

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089735.D
 Acq On : 17 Aug 2016 1:23
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

umangi
 8/17/2016 5:58:26 AM

Quant Time: Aug 17 04:29:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	668371	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2673416	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1312640	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	2434142	20.00	ng	0.01
75) Chrysene-d12	13.87	240	1983422	20.00	ng	-0.02
86) Perylene-d12	15.34	264	1713950	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	3284949	82.00	ng	0.00
7) Phenol-d6	6.34	99	4043013	79.35	ng	0.01
23) Nitrobenzene-d5	7.27	82	3524422	80.50	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	916027	72.13	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	5204952	63.63	ng	0.00
78) Terphenyl-d14	12.81	244	5098599	76.80	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.20	88	754535	36.49	ng	98
3) Pyridine	2.84	79	1970605	36.98	ng	99
4) n-Nitrosodimethylamine	2.81	42	810628	37.90	ng	# 89
6) Aniline	6.36	93	2669060	38.97	ng	99
8) 2-Chlorophenol	6.48	128	1748587	36.70	ng	97
9) Benzaldehyde	6.24	77	1243587	36.82	ng	93
10) Phenol	6.35	94	2540621	40.06	ng	99
11) bis(2-Chloroethyl)ether	6.44	93	1923414	40.93	ng	98
12) 1,3-Dichlorobenzene	6.64	146	1871236	36.74	ng	98
13) 1,4-Dichlorobenzene	6.72	146	1998134	38.73	ng	99
14) 1,2-Dichlorobenzene	6.88	146	1837164	37.34	ng	99
15) Benzyl Alcohol	6.84	79	1257725	36.94	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2290594	37.15	ng	94
17) 2-Methylphenol	6.96	107	1527253	40.34	ng	99
18) Hexachloroethane	7.22	117	754345	39.89	ng	97
19) n-Nitroso-di-n-propylamine	7.13	70	1204512	36.10	ng	96
20) 3+4-Methylphenols	7.12	107	1648912	34.01	ng	96
22) Acetophenone	7.12	105	2344108	37.72	ng	92
24) Nitrobenzene	7.29	77	2039787	41.42	ng	95
25) Isophorone	7.53	82	3431029	39.17	ng	100
26) 2-Nitrophenol	7.61	139	999199	43.12	ng	98
27) 2,4-Dimethylphenol	7.66	122	1908166	43.44	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	1949807	36.63	ng	99
29) 2,4-Dichlorophenol	7.85	162	1563161	42.74	ng	99
30) 1,2,4-Trichlorobenzene	7.93	180	1501978	38.26	ng	99
31) Naphthalene	8.01	128	4490964	37.43	ng	95
32) Benzoic acid	7.78	122	1378746	40.37	ng	98
33) 4-Chloroaniline	8.07	127	2193868	39.51	ng	98
34) Hexachlorobutadiene	8.14	225	794931	38.54	ng	98
35) Caprolactam	8.44	113	438903	38.94	ng	85
36) 4-Chloro-3-methylphenol	8.55	107	1636801	41.11	ng	95
37) 2-Methylnaphthalene	8.71	142	3363298	41.18	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1440663	34.14	ng	98
40) Hexachlorocyclopentadiene	8.87	237	743517	39.54	ng	97

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089735.D
 Acq On : 17 Aug 2016 1:23
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

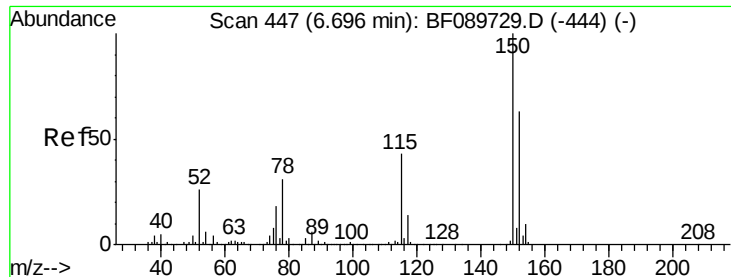
Manual Integrations
 APPROVED

umangi
 8/17/2016 5:58:26 AM

Quant Time: Aug 17 04:29:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	1094639m	40.16	ng	
43) 2,4,5-Trichlorophenol	9.02	196	1076430m	41.41	ng	
45) 1,1'-Biphenyl	9.18	154	4016968	36.95	ng	94
46) 2-Chloronaphthalene	9.19	162	2911920	35.75	ng	98
47) 2-Nitroaniline	9.28	65	936427	37.72	ng	96
48) Acenaphthylene	9.60	152	4587406	36.58	ng	97
49) Dimethylphthalate	9.48	163	3778631	39.78	ng	# 99
50) 2,6-Dinitrotoluene	9.53	165	762924	35.49	ng	86
51) Acenaphthene	9.77	154	3244480	38.34	ng	99
52) 3-Nitroaniline	9.70	138	1060334	42.42	ng	# 68
53) 2,4-Dinitrophenol	9.79	184	325764	34.96	ng	# 80
54) Dibenzofuran	9.94	168	3778238	36.28	ng	99
55) 4-Nitrophenol	9.85	139	737469	38.35	ng	# 82
56) 2,4-Dinitrotoluene	9.93	165	1112692	40.27	ng	# 70
57) Fluorene	10.28	166	2916948	34.67	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.07	232	782635	38.55	ng	97
59) Diethylphthalate	10.18	149	3815718	39.62	ng	96
60) 4-Chlorophenyl-phenylether	10.28	204	1344259	32.54	ng	95
61) 4-Nitroaniline	10.31	138	918686	37.86	ng	94
62) Azobenzene	10.44	77	3592473	39.48	ng	97
64) 4,6-Dinitro-2-methylphenol	10.33	198	511591	36.20	ng	75
65) n-Nitrosodiphenylamine	10.41	169	3125793	40.92	ng	99
66) 4-Bromophenyl-phenylether	10.78	248	1034118	41.02	ng	# 88
67) Hexachlorobenzene	10.83	284	1092991	39.00	ng	# 86
68) Atrazine	10.94	200	850710	36.76	ng	96
69) Pentachlorophenol	11.03	266	698776	40.03	ng	99
70) Phenanthrene	11.24	178	4841881	40.47	ng	93
71) Anthracene	11.29	178	4440161	35.52	ng	97
72) Carbazole	11.45	167	4691988	39.61	ng	96
73) Di-n-butylphthalate	11.79	149	5559118	38.59	ng	98
74) Fluoranthene	12.42	202	4330179	36.02	ng	91
76) Benzidine	12.55	184	2500454	35.12	ng	98
77) Pyrene	12.65	202	4767042	36.73	ng	92
79) Butylbenzylphthalate	13.29	149	2315761	35.56	ng	# 79
80) Benzo(a)anthracene	13.86	228	4394611	38.14	ng	97
81) 3,3'-Dichlorobenzidine	13.83	252	1595805	38.01	ng	97
82) Chrysene	13.90	228	3659757	35.29	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	3317779	38.50	ng	# 97
84) Di-n-octyl phthalate	14.55	149	4987740	37.24	ng	99
85) Indeno(1,2,3-cd)pyrene	16.64	276	3438018	38.91	ng	99
87) Benzo(b)fluoranthene	14.95	252	3667836	33.77	ng	97
88) Benzo(k)fluoranthene	14.98	252	3860808m	43.19	ng	
89) Benzo(a)pyrene	15.28	252	3528206	39.35	ng	96
90) Dibenzo(a,h)anthracene	16.66	278	2827153	40.04	ng	97
91) Benzo(g,h,i)perylene	17.03	276	2825671	39.33	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

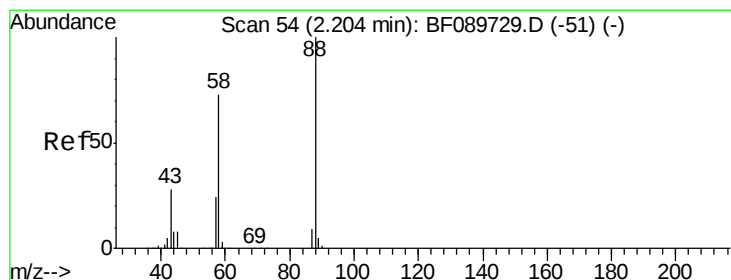
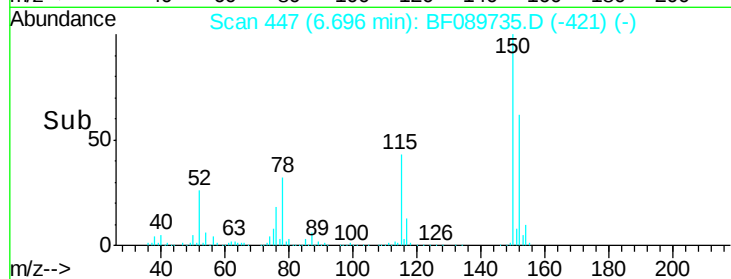
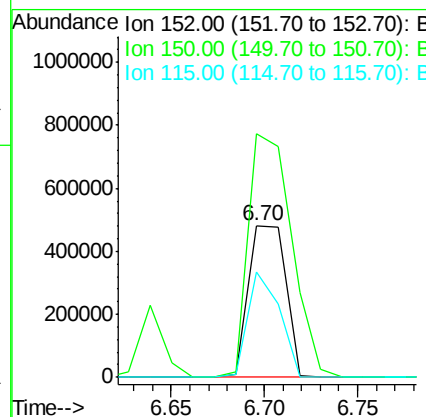
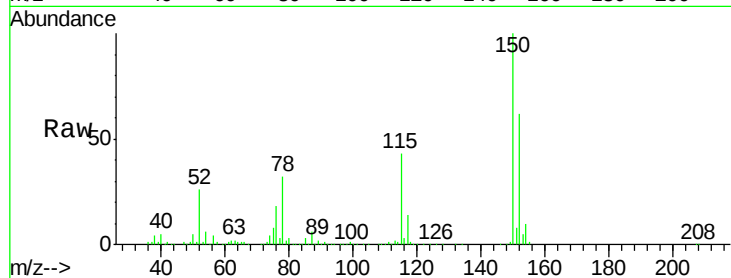
ClientSampleId :

SSTDCCC040

Tgt Ion:	152	Resp:	668371
Ion Ratio	Lower	Upper	
152	100		
150	160.2	125.3	187.9
115	69.0	40.9	61.3#

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



#2

1,4-Dioxane

Concen: 36.49 ng

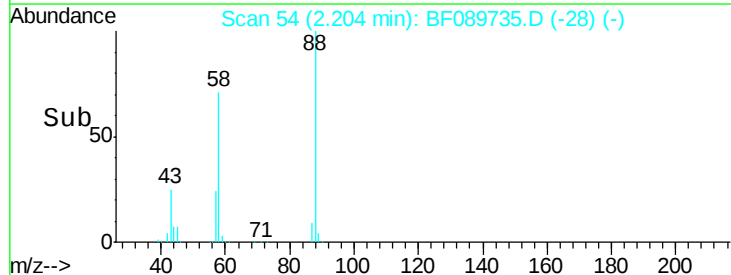
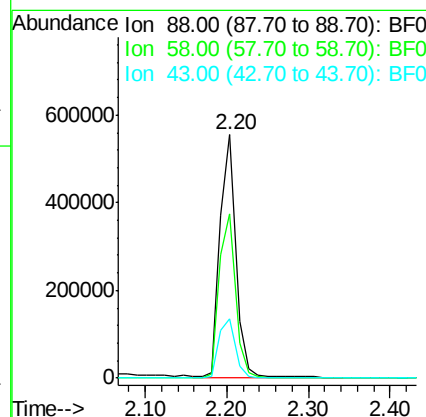
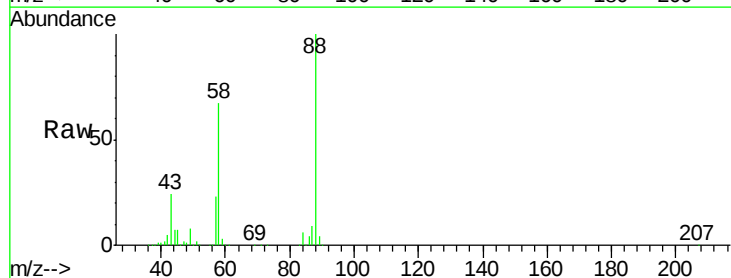
RT: 2.20 min Scan# 54

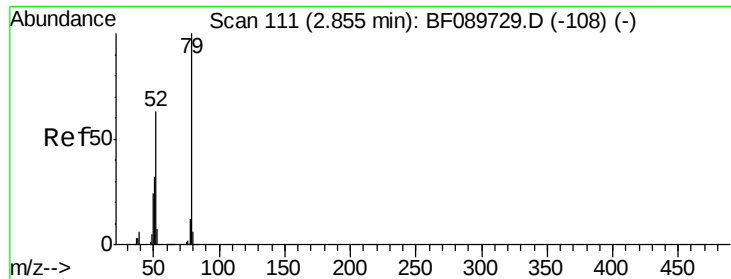
Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	88	Resp:	754535
Ion Ratio	Lower	Upper	
88	100		
58	69.4	57.0	85.4
43	25.9	21.8	32.8





#3

Pyridine

Concen: 36.98 ng

RT: 2.84 min Scan# 110

Delta R.T. -0.01 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 1970605

Ion Ratio Lower Upper

79 100

52 66.2 53.6 80.4

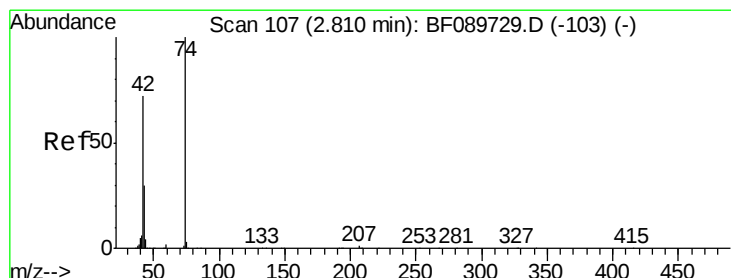
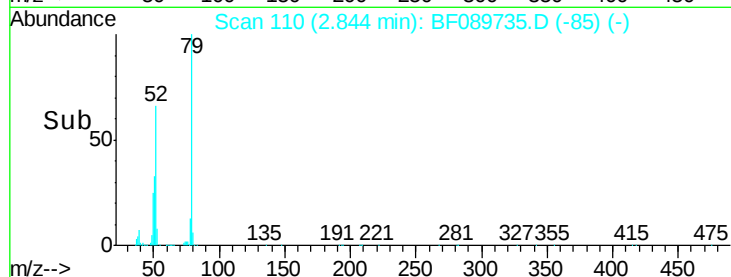
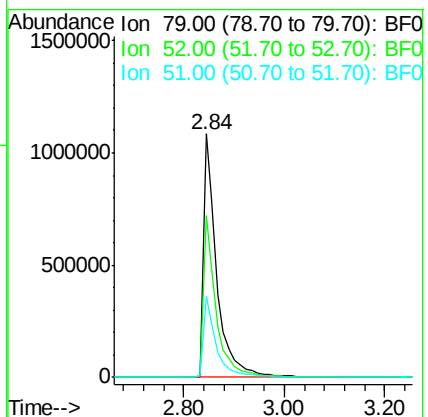
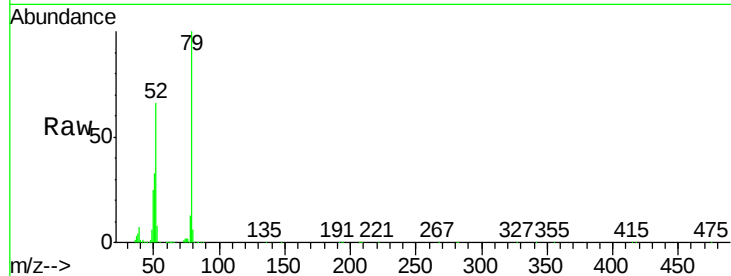
51 33.0 26.6 39.8

Manual Integrations

APPROVED

umangi

8/17/2016 5:58:26 AM



#4

n-Nitrosodimethylamine

Concen: 37.90 ng

RT: 2.81 min Scan# 107

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

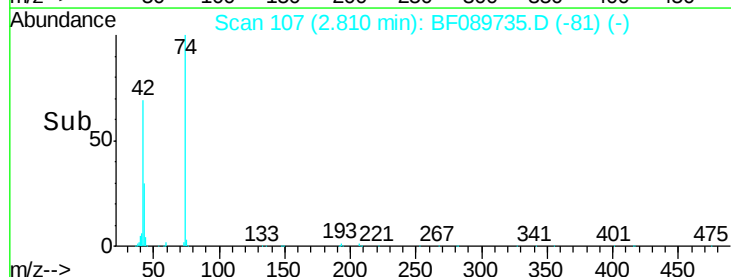
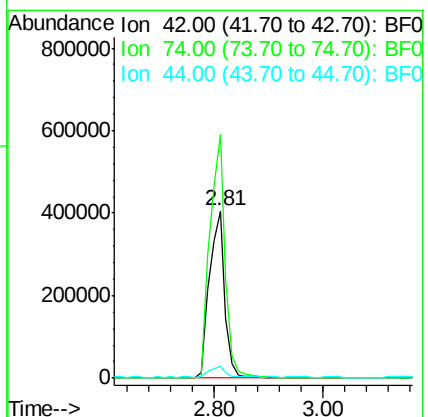
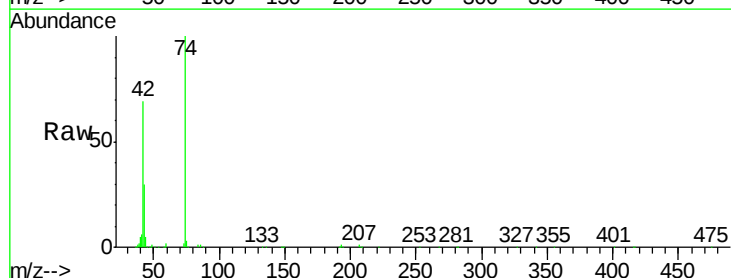
Tgt Ion: 42 Resp: 810628

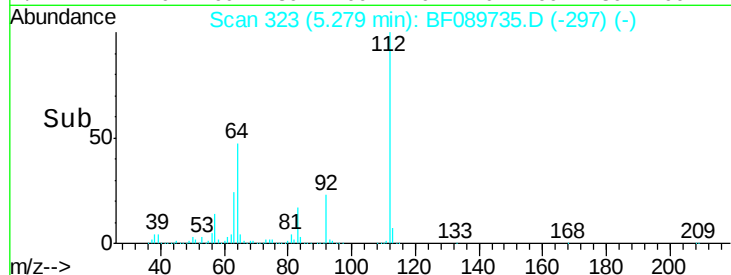
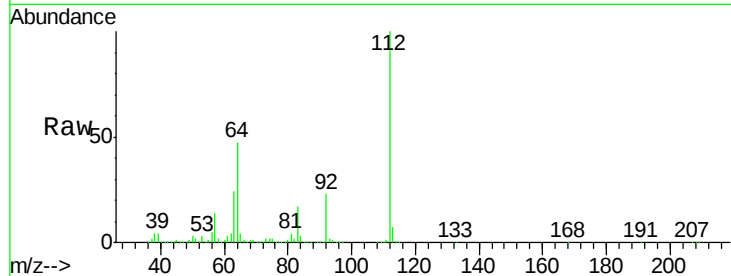
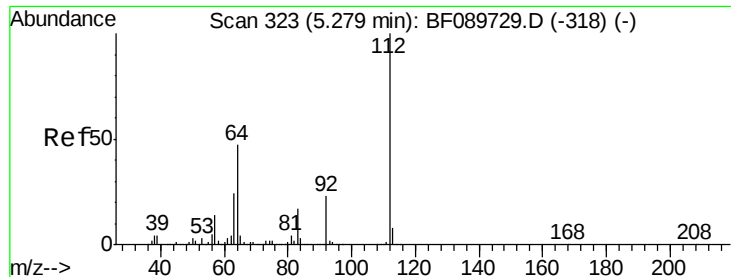
Ion Ratio Lower Upper

42 100

74 145.8 106.2 159.2

44 6.9 6.9 10.3#





#5

2-Fluorophenol

Concen: 82.00 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	112	Resp:	3284949
Ion	Ratio	Lower	Upper
112	100		
64	47.1	45.0	67.4
63	24.4	23.1	34.7

Instrument :

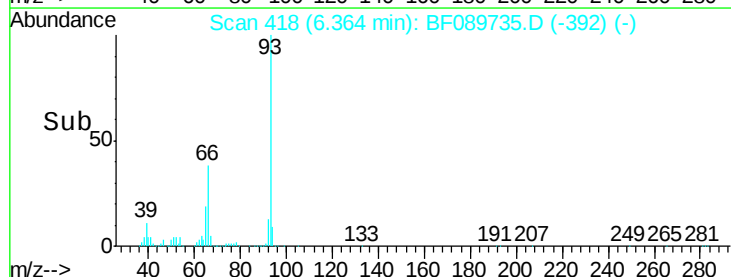
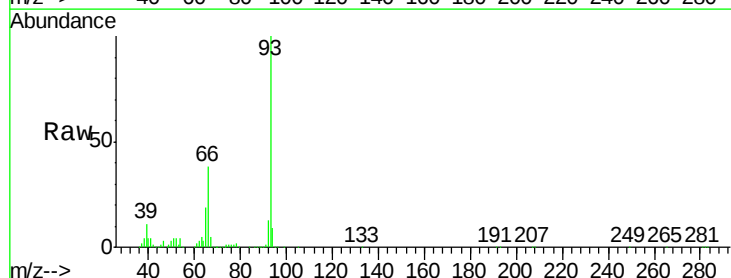
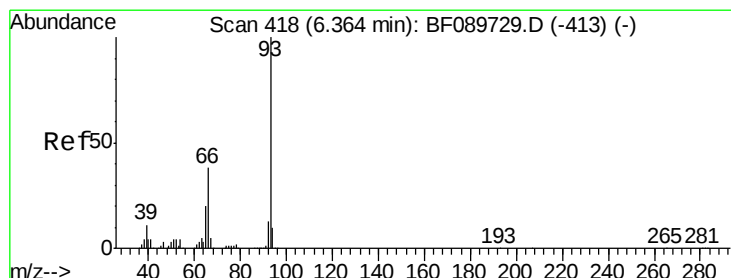
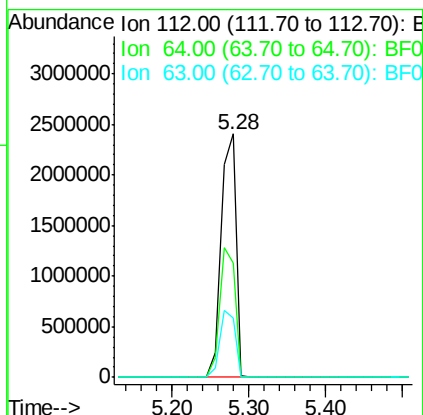
BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



#6

Aniline

Concen: 38.97 ng

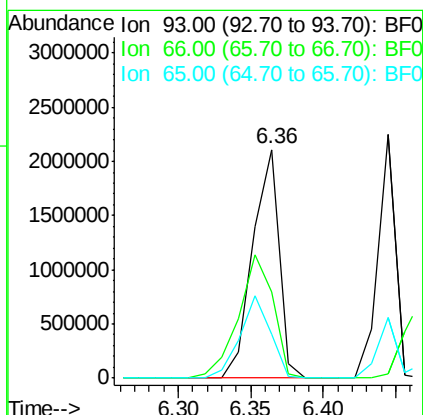
RT: 6.36 min Scan# 418

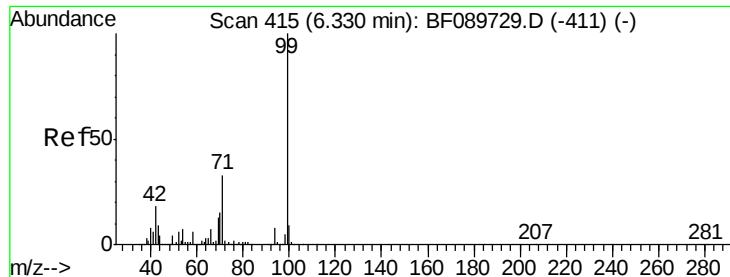
Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	93	Resp:	2669060
Ion	Ratio	Lower	Upper
93	100		
66	37.9	30.6	46.0
65	19.5	15.4	23.2





#7

Phenol-d6

Concen: 79.35 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 4043013

Ion Ratio Lower Upper

99 100

42 13.2 12.2 18.4

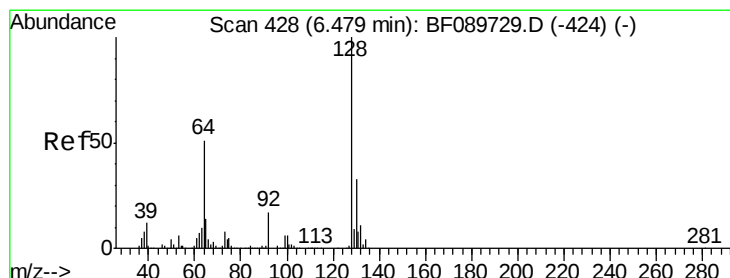
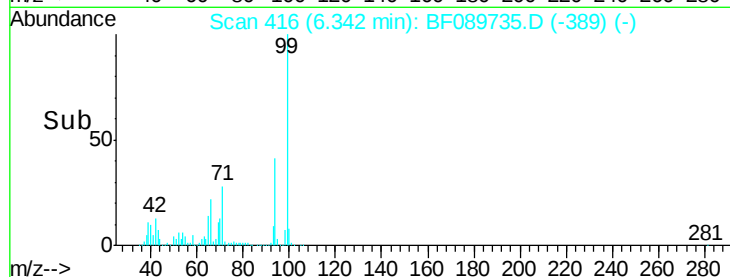
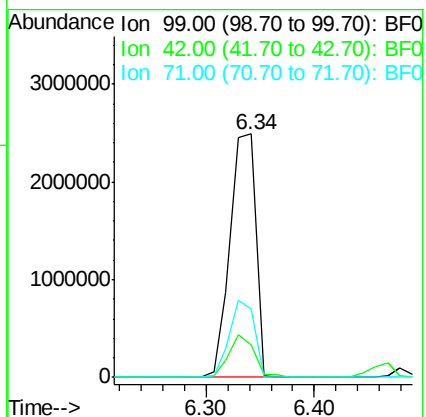
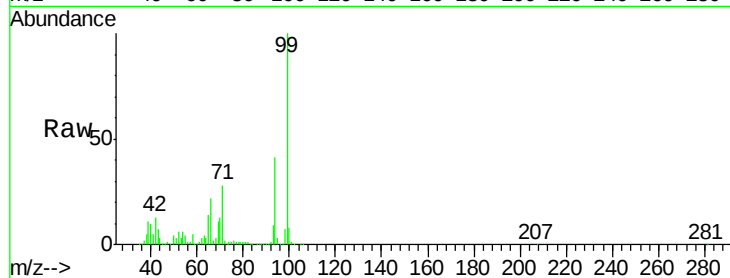
71 28.0 23.8 35.8

Manual Integrations

APPROVED

umangi

8/17/2016 5:58:26 AM



#8

2-Chlorophenol

Concen: 36.70 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

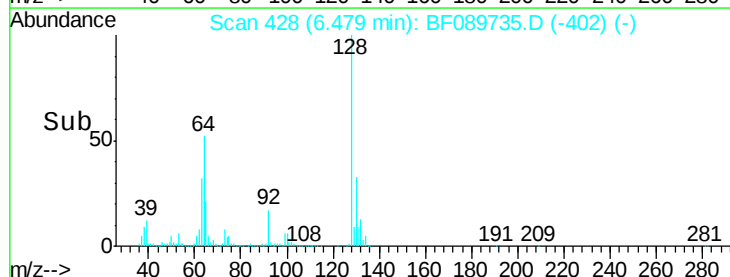
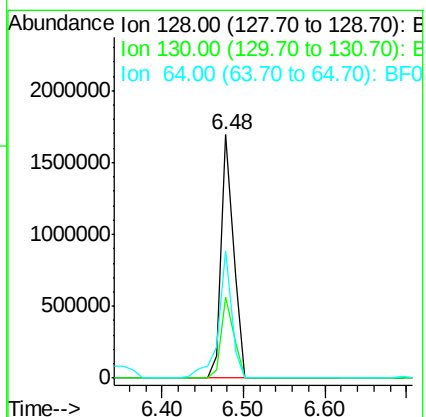
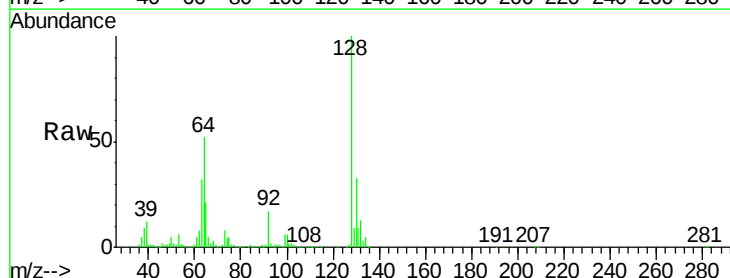
Tgt Ion: 128 Resp: 1748587

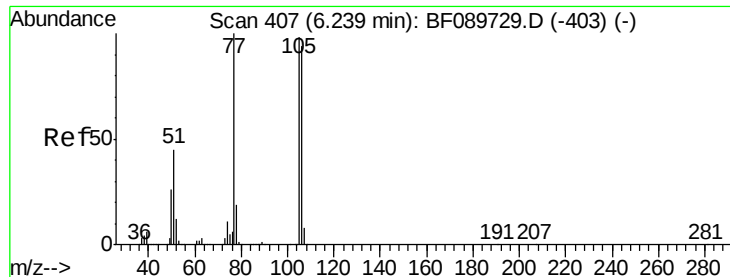
Ion Ratio Lower Upper

128 100

130 33.2 12.0 52.0

64 52.1 35.1 75.1





#9

Benzaldehyde

Concen: 36.82 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

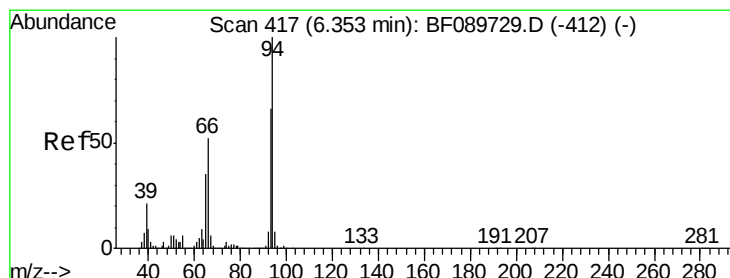
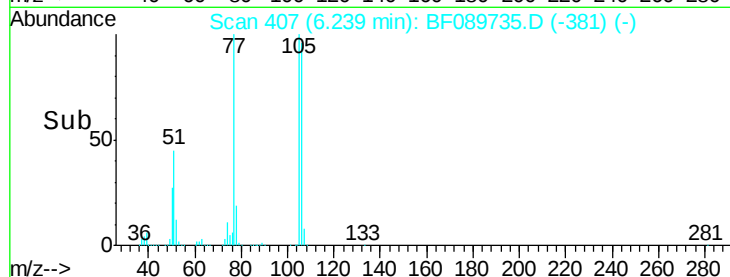
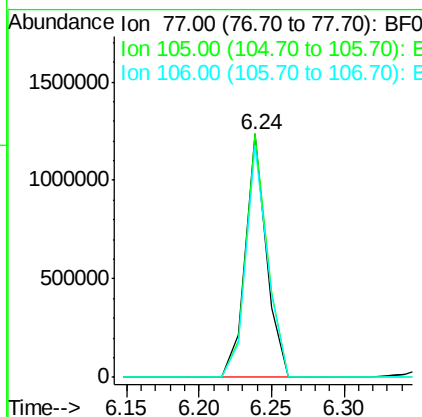
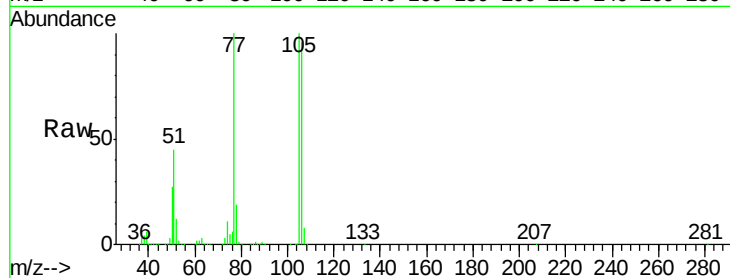
ClientSampleId :

SSTDCCC040

Tgt Ion:	77	Resp:	1243587
Ion	Ratio	Lower	Upper
77	100		
105	99.9	73.3	113.3
106	95.5	68.6	108.6

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



#10

Phenol

Concen: 40.06 ng

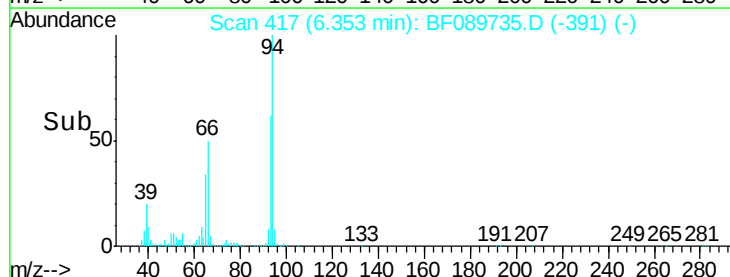
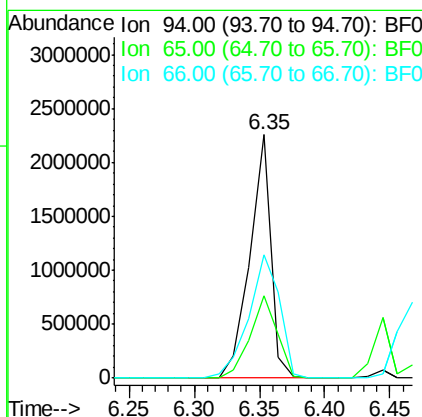
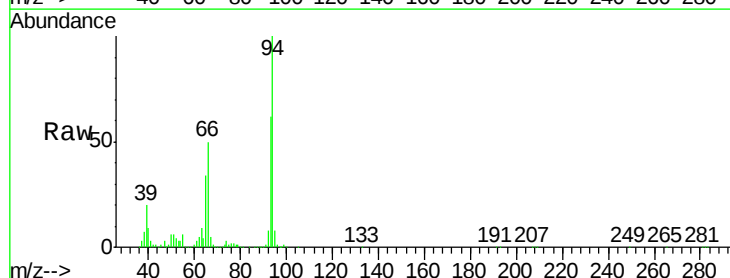
RT: 6.35 min Scan# 417

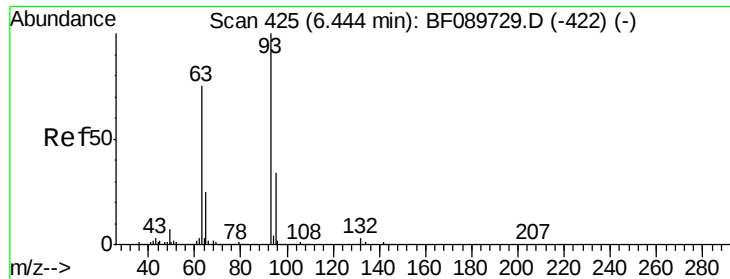
Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	94	Resp:	2540621
Ion	Ratio	Lower	Upper
94	100		
65	33.6	14.0	54.0
66	50.4	31.2	71.2





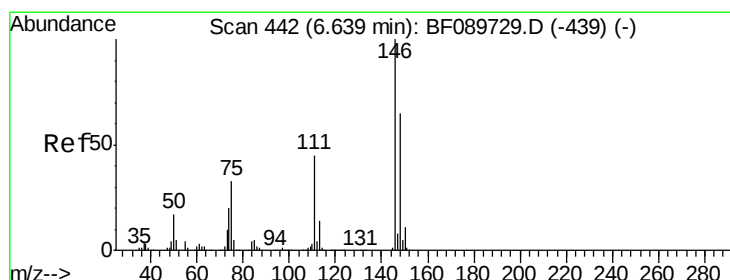
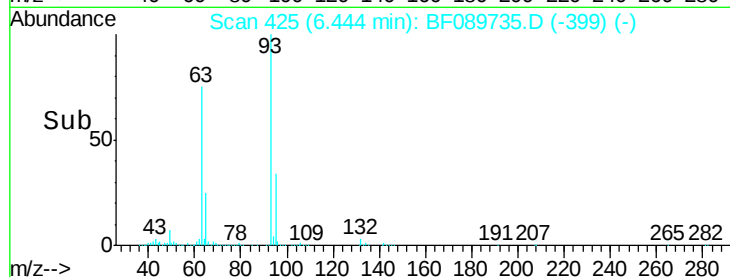
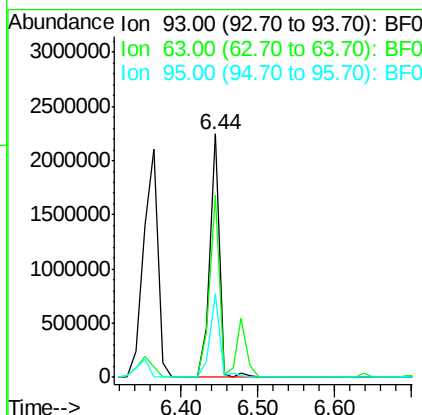
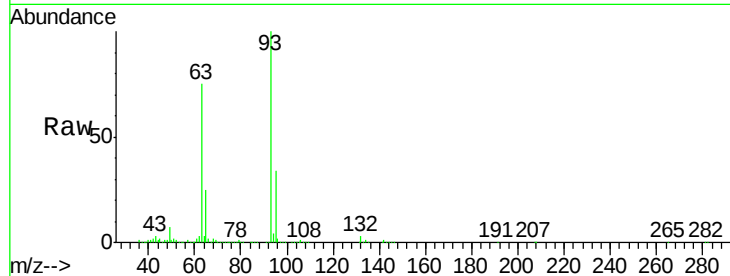
#11
bis(2-Chloroethyl)ether
Concen: 40.93 ng
RT: 6.44 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 1923414
Ion Ratio Lower Upper
93 100
63 74.8 55.8 95.8
95 34.3 13.0 53.0

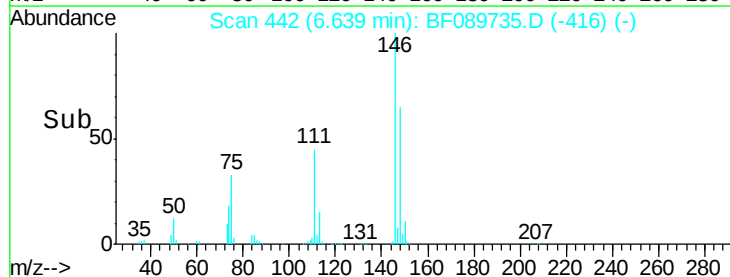
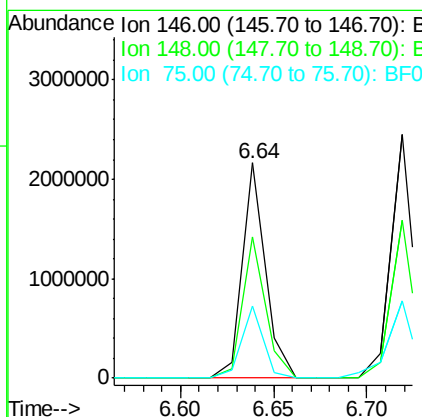
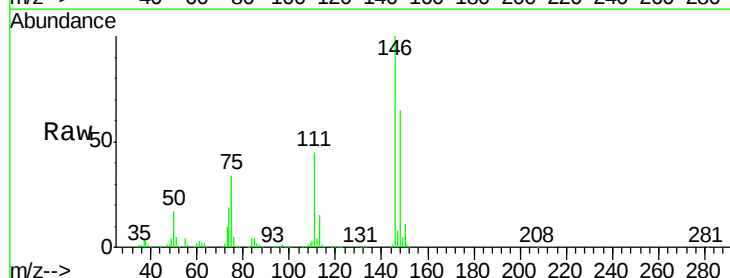
Manual Integrations
APPROVED

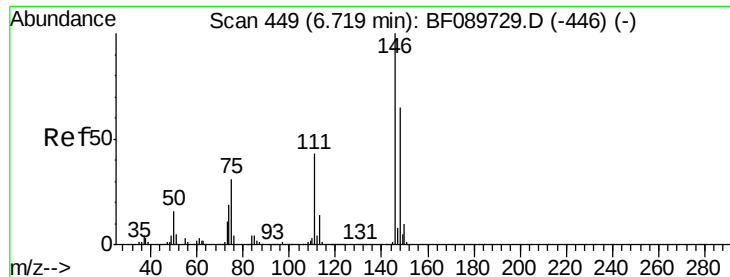
umangi
8/17/2016 5:58:26 AM



#12
1,3-Dichlorobenzene
Concen: 36.74 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion: 146 Resp: 1871236
Ion Ratio Lower Upper
146 100
148 65.4 51.0 76.4
75 33.6 27.0 40.6





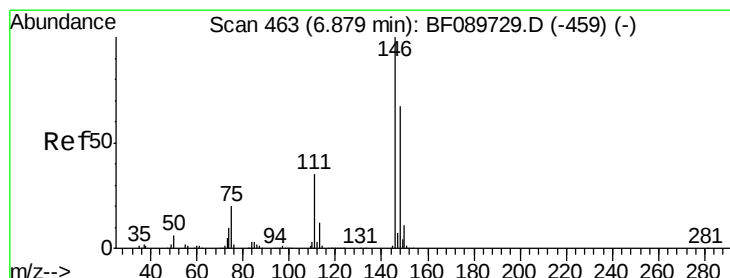
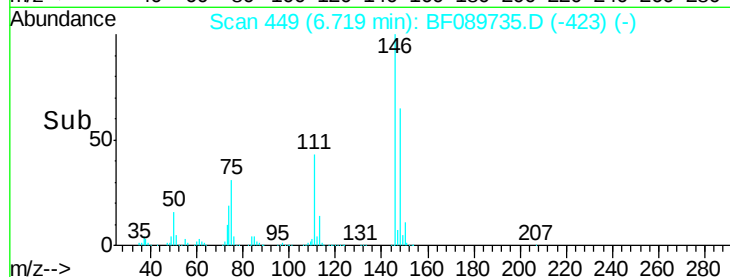
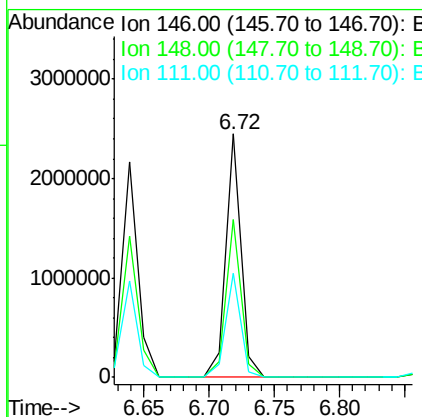
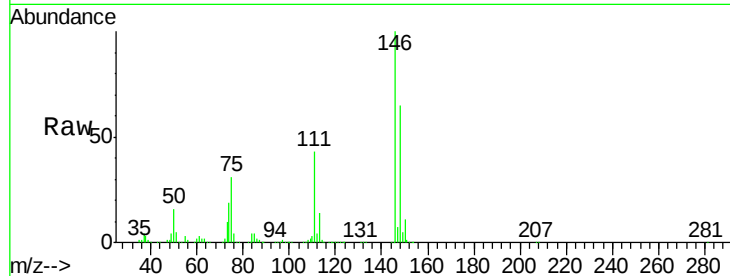
#13
 1,4-Dichlorobenzene
 Concen: 38.73 ng
 RT: 6.72 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion:146 Resp: 1998134
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.0 76.6
 111 42.7 34.6 52.0

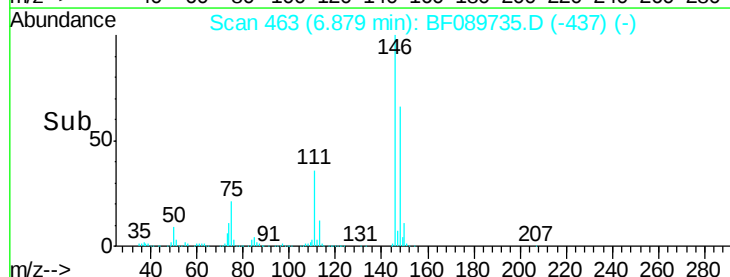
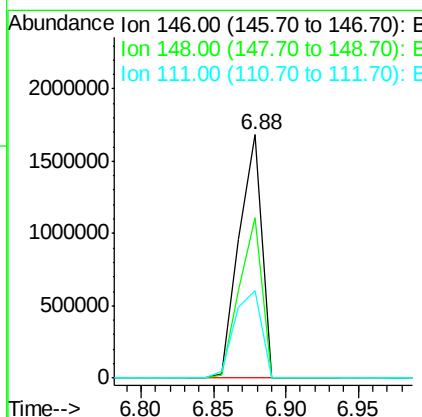
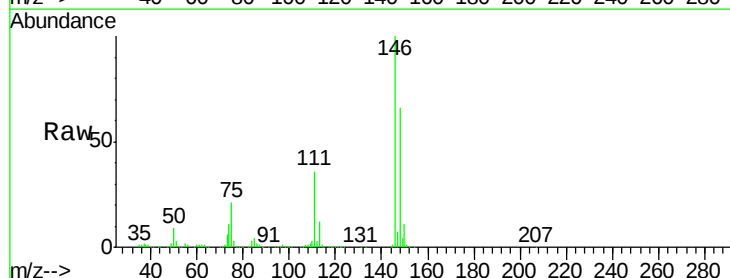
Manual Integrations
 APPROVED

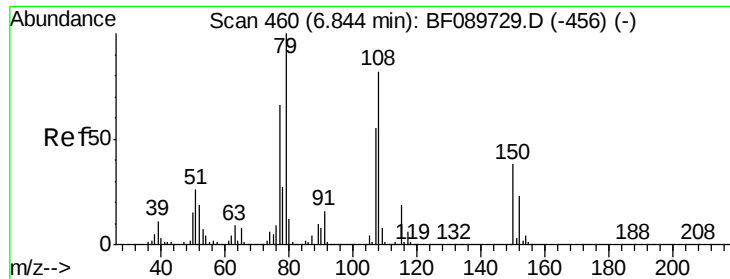
umangi
 8/17/2016 5:58:26 AM



#14
 1,2-Dichlorobenzene
 Concen: 37.34 ng
 RT: 6.88 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion:146 Resp: 1837164
 Ion Ratio Lower Upper
 146 100
 148 65.7 52.2 78.2
 111 36.0 29.8 44.6





#15

Benzyl Alcohol

Concen: 36.94 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 1257725

Ion Ratio Lower Upper

79 100

108 81.3 62.5 93.7

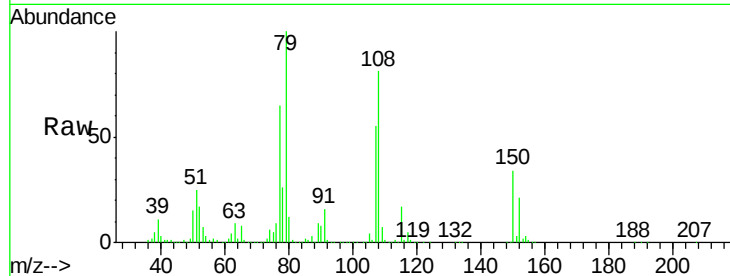
77 64.9 51.5 77.3

Manual Integrations

APPROVED

umangi

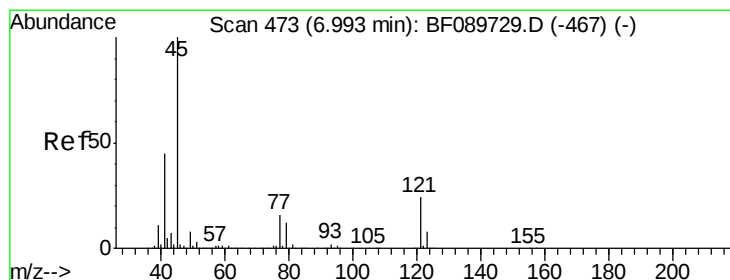
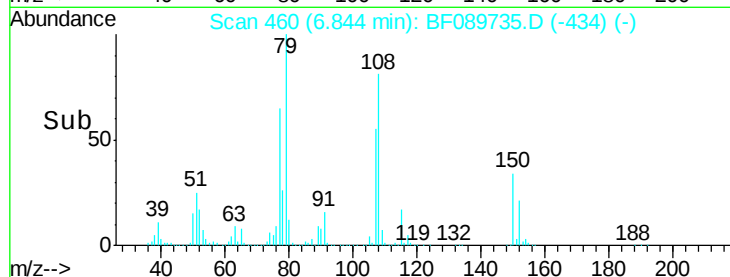
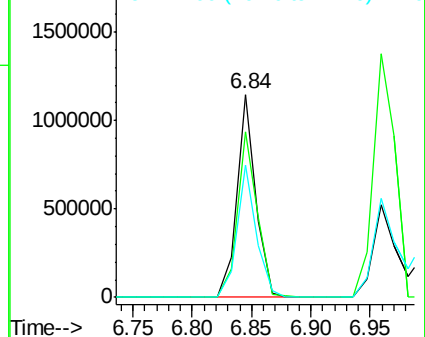
8/17/2016 5:58:26 AM



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.15 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

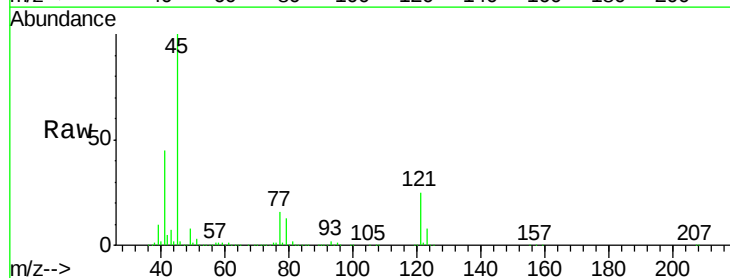
Tgt Ion: 45 Resp: 2290594

Ion Ratio Lower Upper

45 100

77 16.1 0.0 33.5

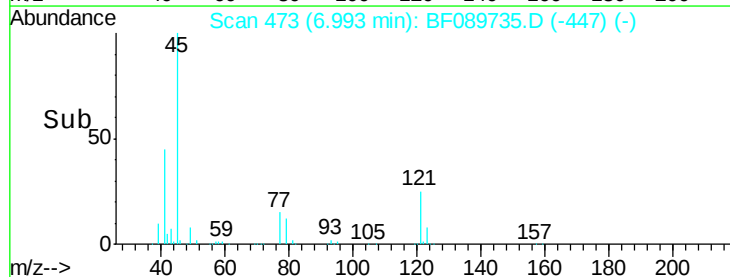
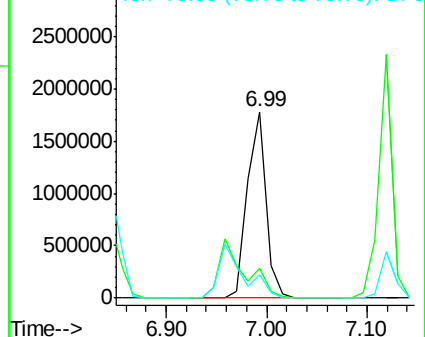
79 12.5 0.0 30.7

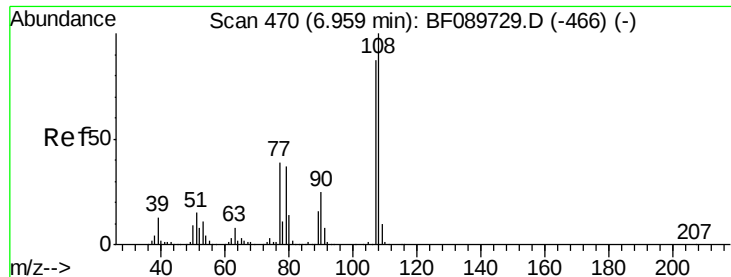


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 40.34 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 1527253

Ion Ratio Lower Upper

107 100

108 114.2 91.0 136.4

77 46.5 37.4 56.0

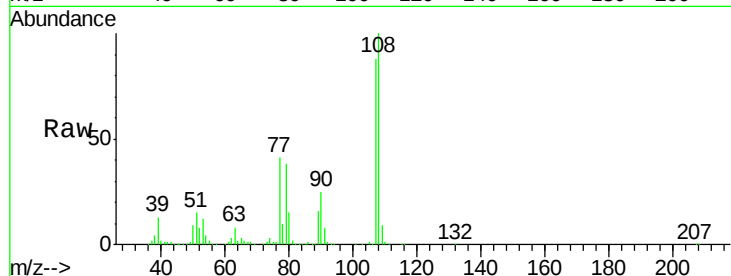
79 43.2 36.6 55.0

Manual Integrations

APPROVED

umangi

8/17/2016 5:58:26 AM

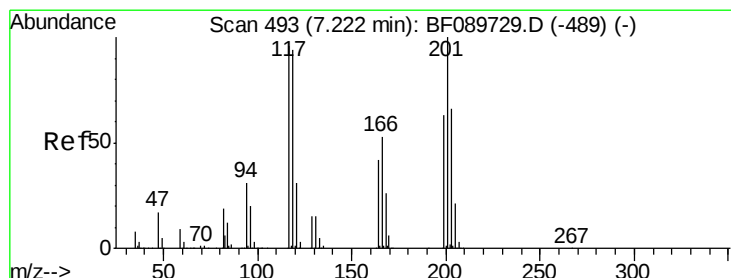
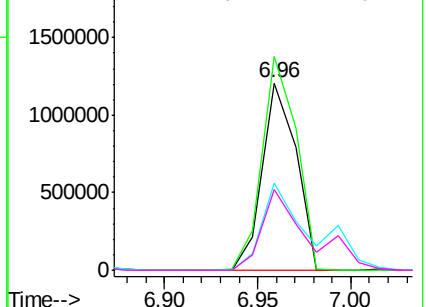
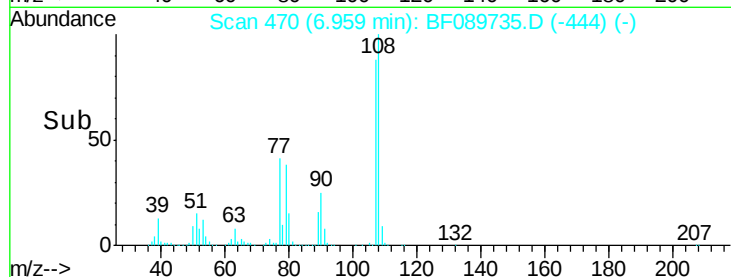


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 39.89 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

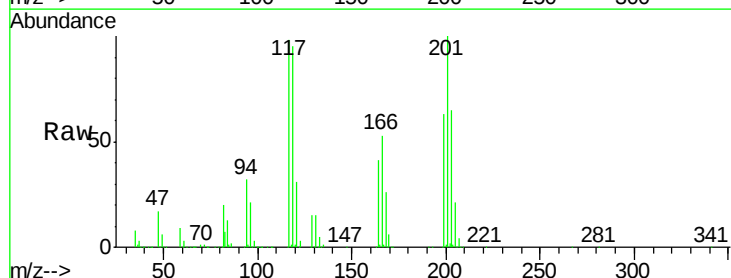
Tgt Ion:117 Resp: 754345

Ion Ratio Lower Upper

117 100

119 96.7 77.1 115.7

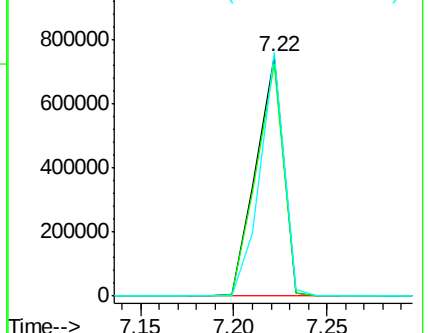
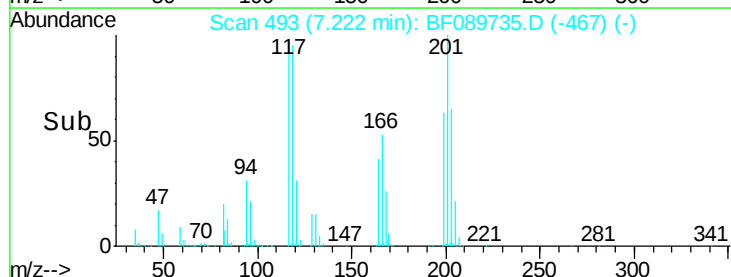
201 101.6 76.9 115.3

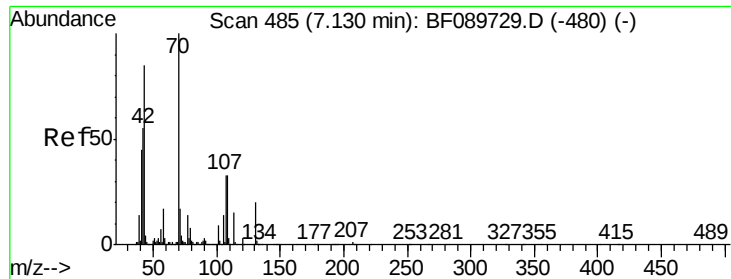


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





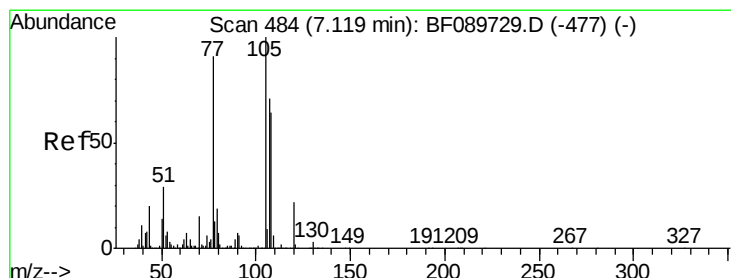
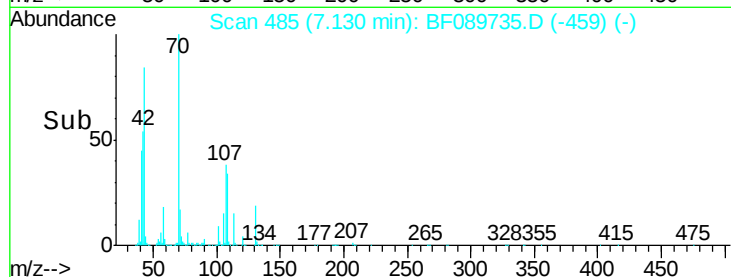
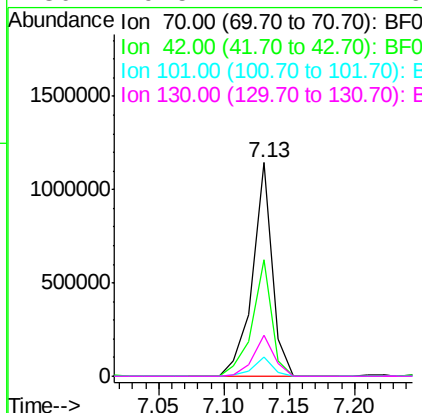
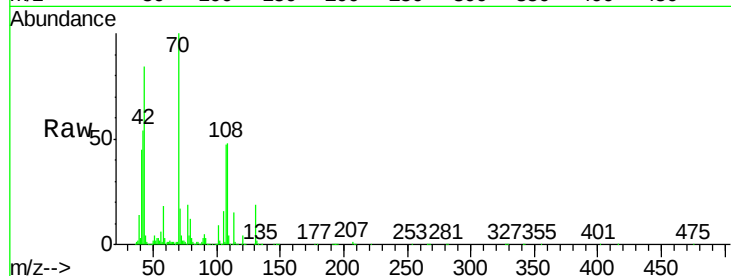
#19
n-Nitroso-di-n-propylamine
Concen: 36.10 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
70	100		
42	54.3	46.3	69.5
101	9.2	7.0	10.6
130	19.5	14.4	21.6

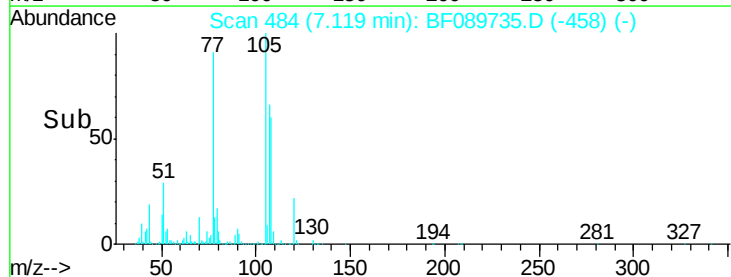
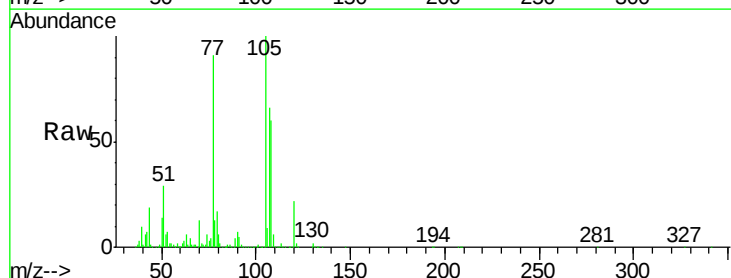
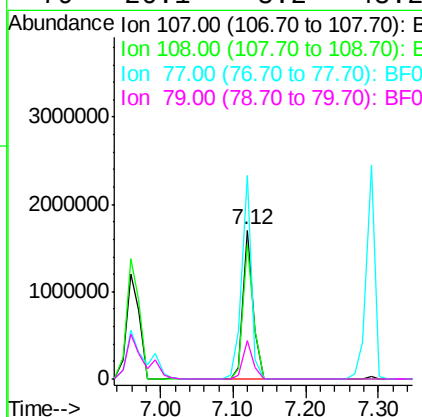
Manual Integrations
APPROVED

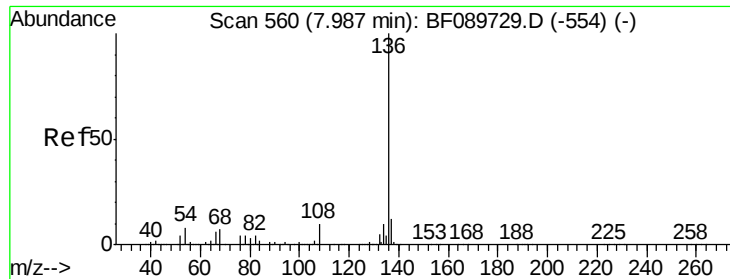
umangi
8/17/2016 5:58:26 AM



#20
3+4-Methylphenols
Concen: 34.01 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.2	68.2	108.2
77	136.7	122.3	162.3
79	26.1	8.2	48.2





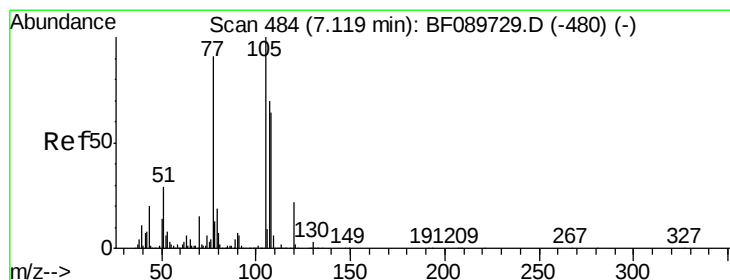
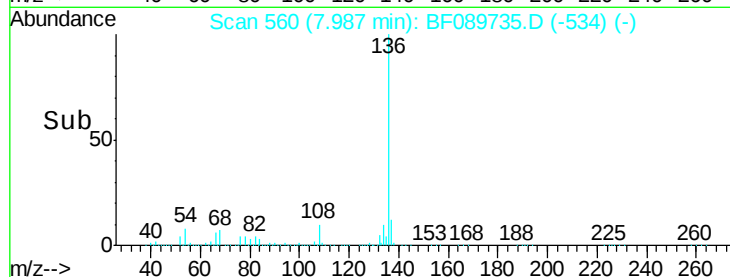
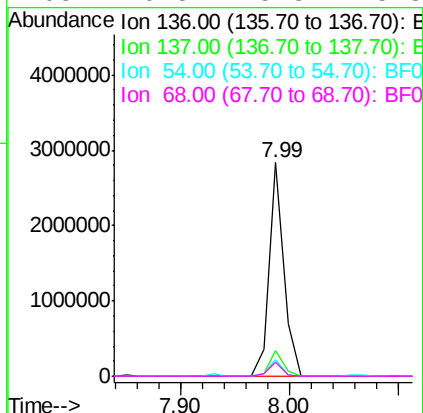
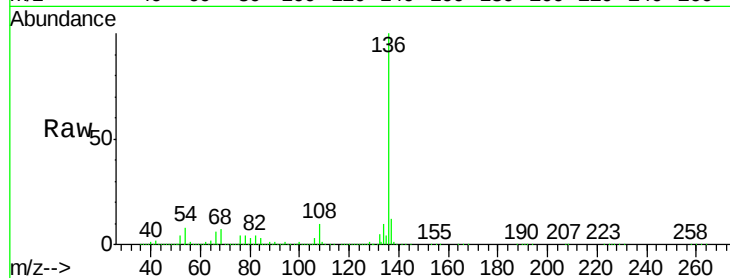
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:	136	Resp:	2673416
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	7.9	7.2	10.8
68	6.8	5.8	8.8

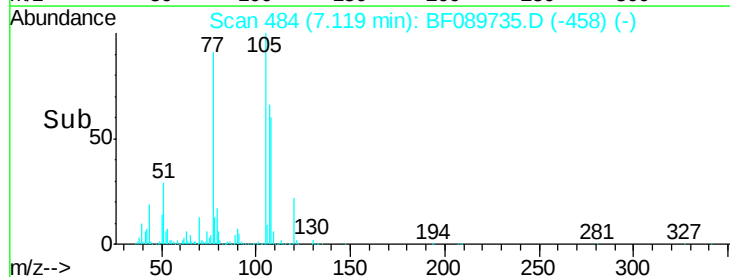
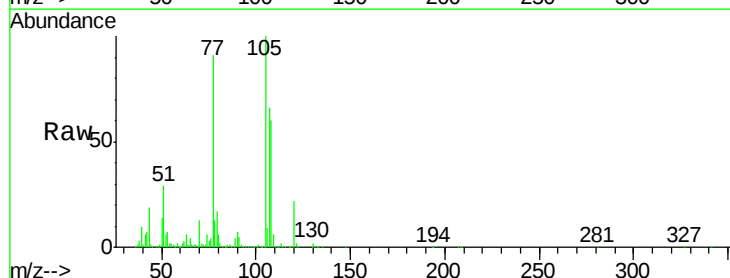
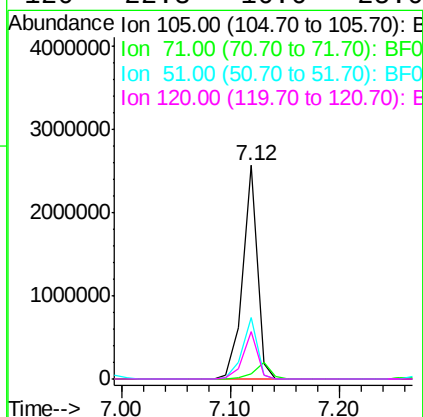
Manual Integrations
APPROVED

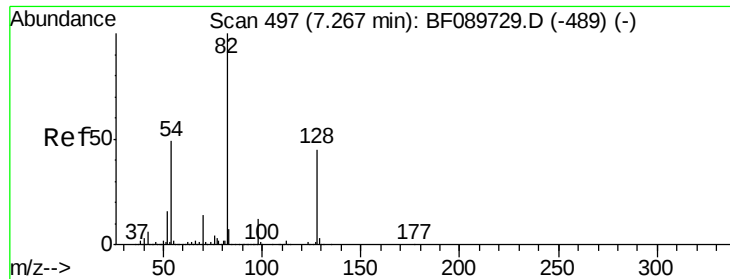
umangi
8/17/2016 5:58:26 AM



#22
Acetophenone
Concen: 37.72 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion:	105	Resp:	2344108
Ion	Ratio	Lower	Upper
105	100		
71	2.2	1.9	2.9
51	28.9	28.5	42.7
120	22.3	16.6	25.0





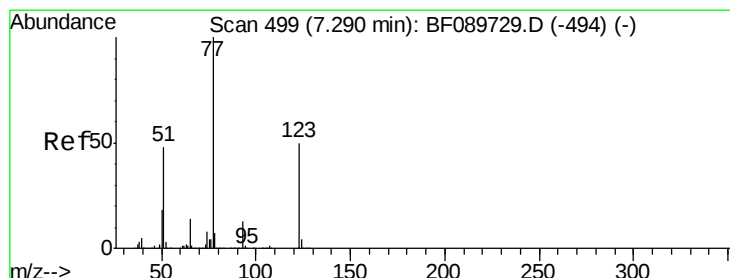
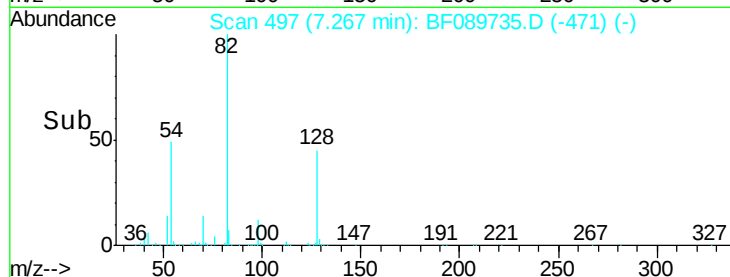
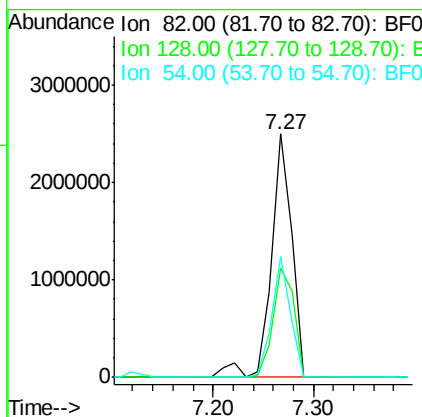
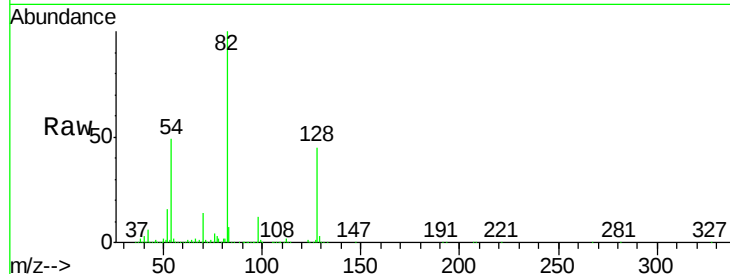
#23
 Nitrobenzene-d5
 Concen: 80.50 ng
 RT: 7.27 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion: 82 Resp: 3524422
 Ion Ratio Lower Upper
 82 100
 128 44.9 34.4 51.6
 54 49.5 40.3 60.5

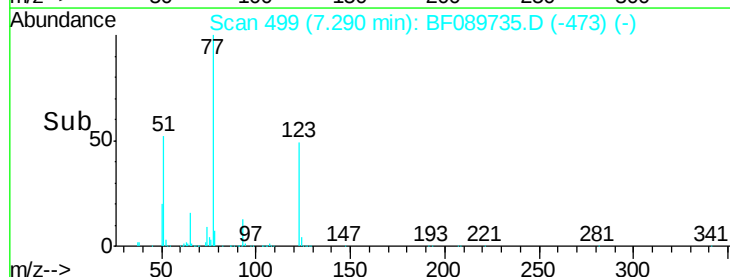
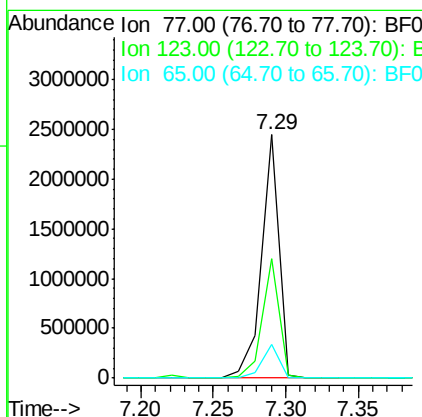
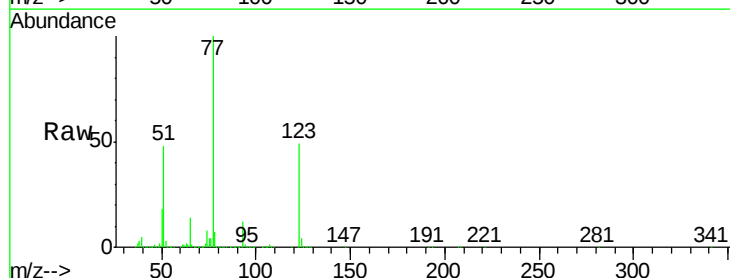
Manual Integrations
 APPROVED

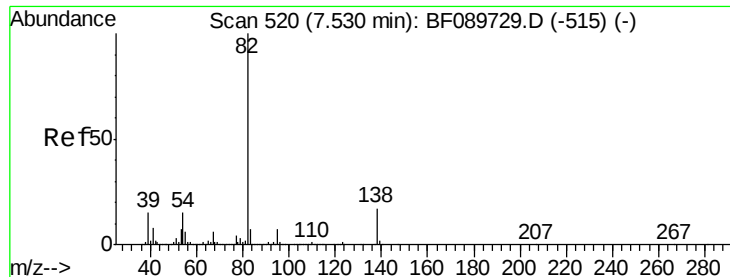
umangi
 8/17/2016 5:58:26 AM



#24
 Nitrobenzene
 Concen: 41.42 ng
 RT: 7.29 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion: 77 Resp: 2039787
 Ion Ratio Lower Upper
 77 100
 123 48.9 36.2 54.2
 65 13.9 10.6 15.8





#25

Isophorone

Concen: 39.17 ng

RT: 7.53 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 3431029

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

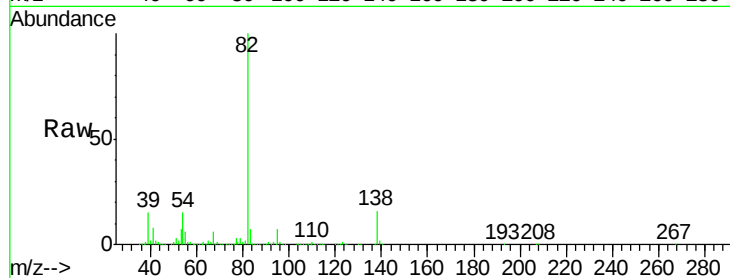
138 16.1 13.0 19.4

Manual Integrations

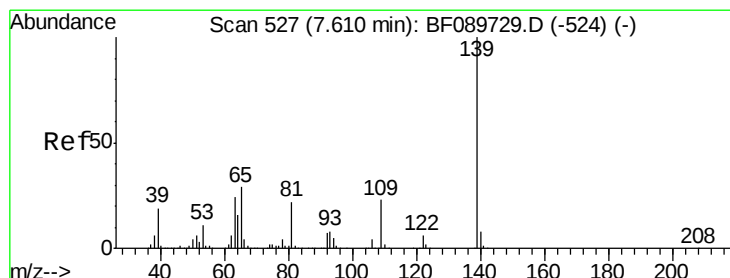
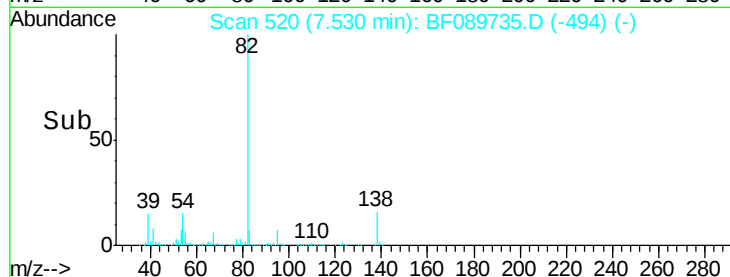
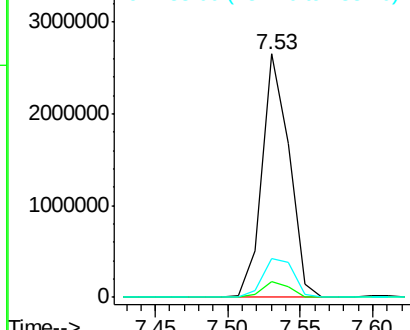
APPROVED

umangi

8/17/2016 5:58:26 AM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 43.12 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

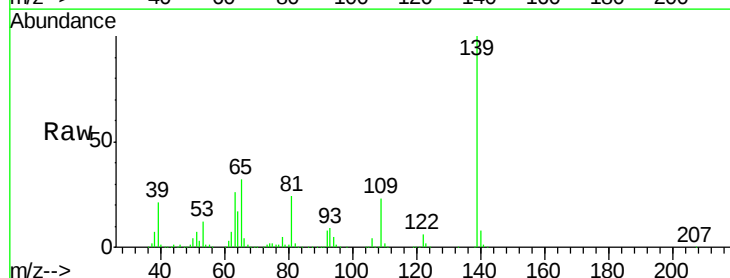
Tgt Ion: 139 Resp: 999199

Ion Ratio Lower Upper

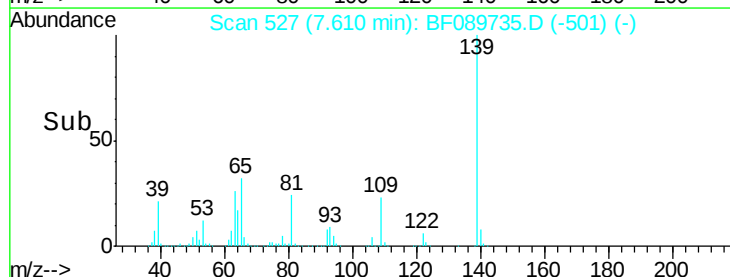
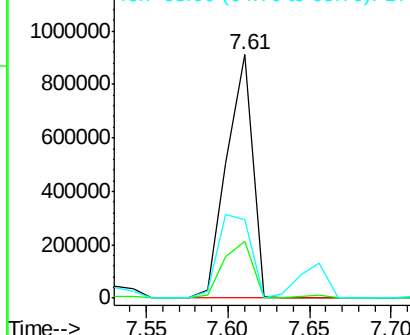
139 100

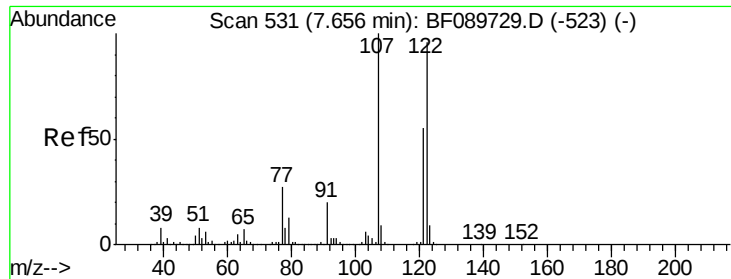
109 23.4 19.5 29.3

65 32.1 26.5 39.7



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





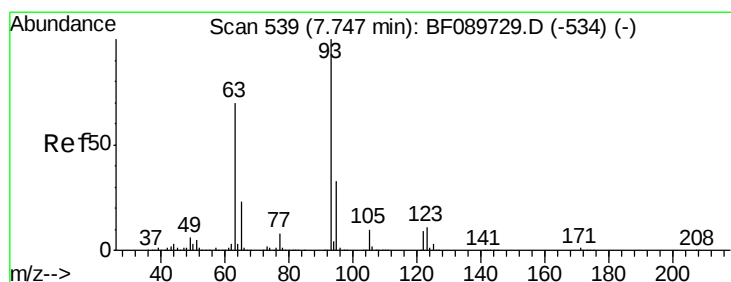
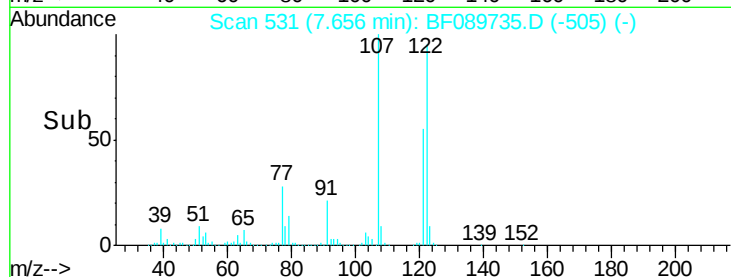
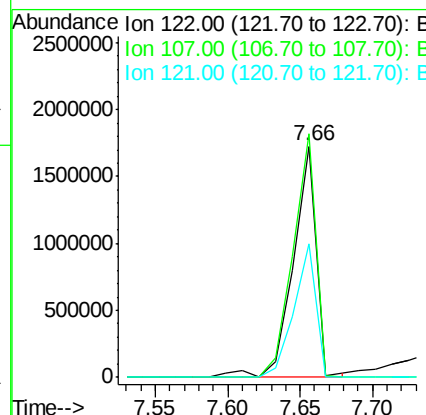
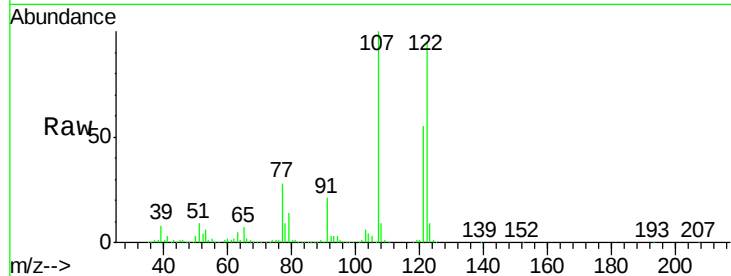
#27
 2,4-Dimethylphenol
 Concen: 43.44 ng
 RT: 7.66 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
122	100		
107	105.4	84.8	127.2
121	57.9	47.0	70.6

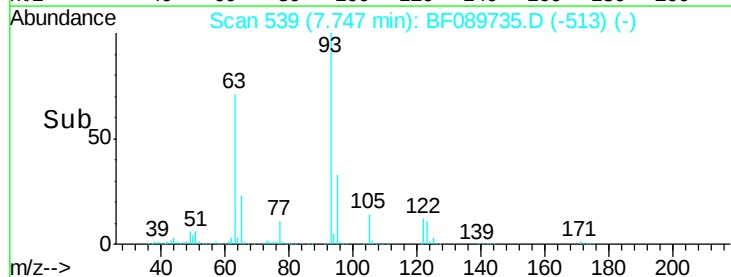
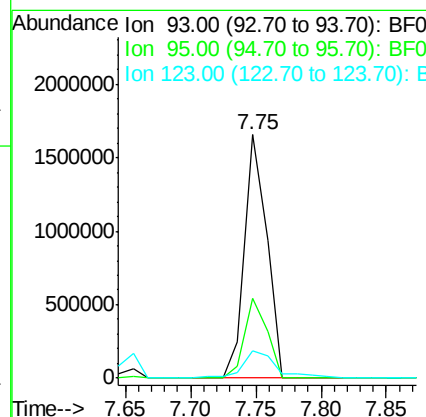
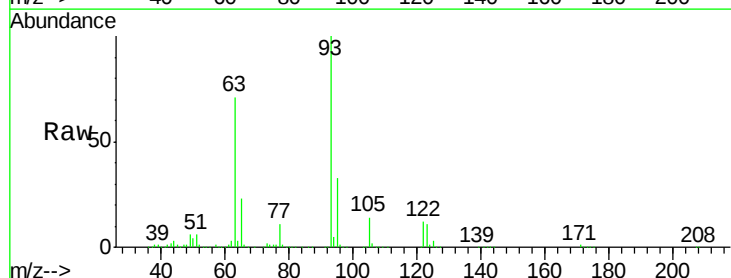
Manual Integrations
 APPROVED

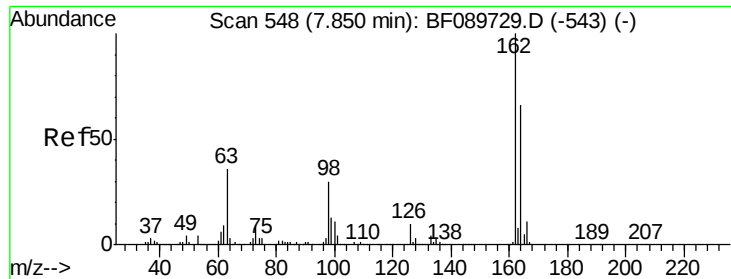
umangi
 8/17/2016 5:58:26 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.63 ng
 RT: 7.75 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.5	38.3
123	11.2	8.5	12.7





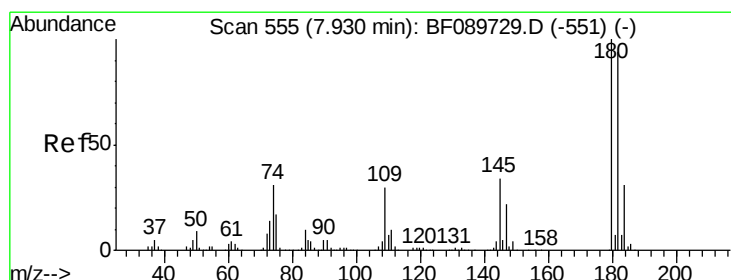
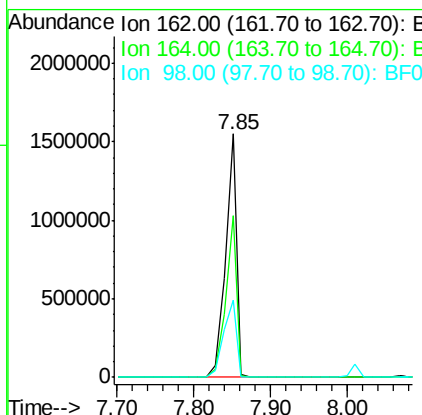
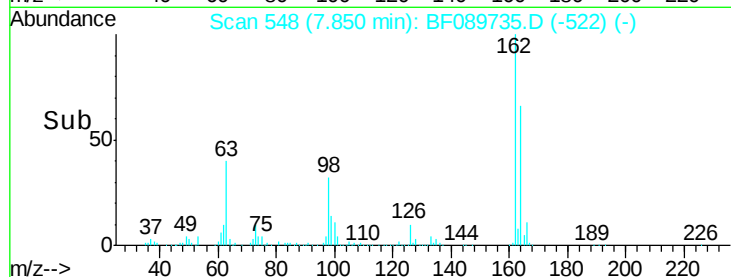
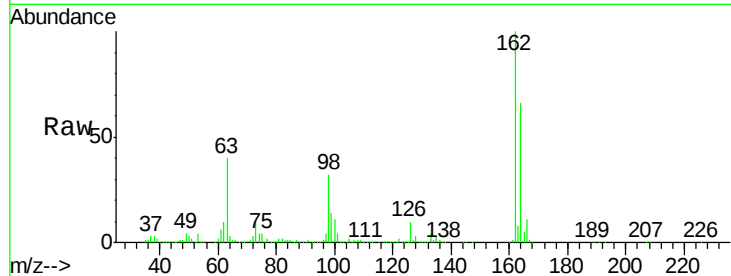
#29
2,4-Dichlorophenol
Concen: 42.74 ng
RT: 7.85 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.4	45.5	85.5
98	31.9	12.4	52.4

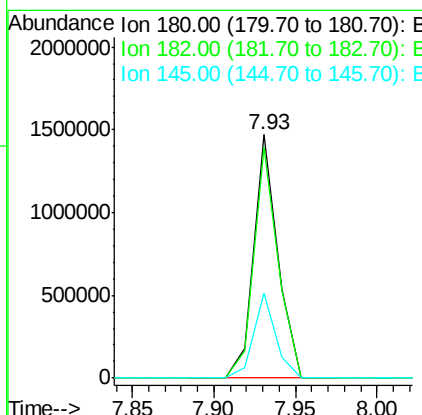
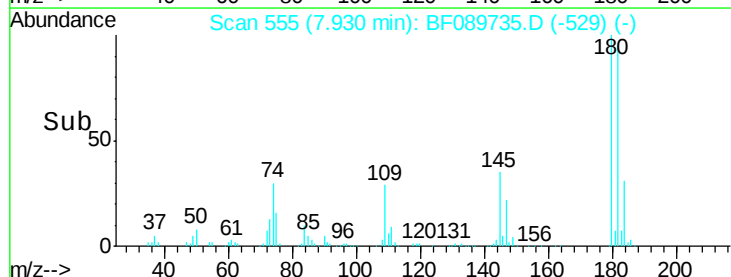
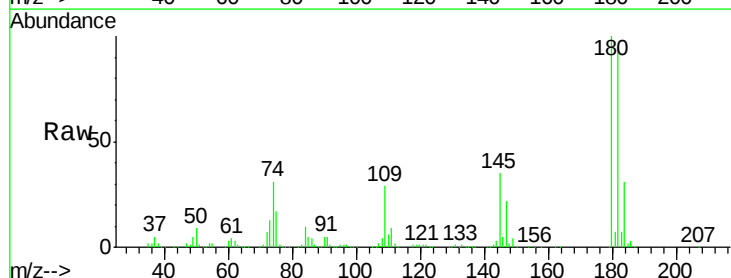
Manual Integrations
APPROVED

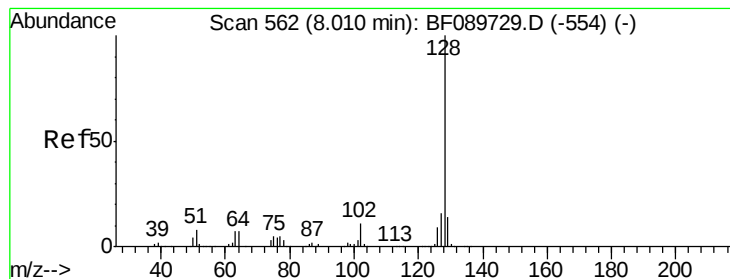
umangi
8/17/2016 5:58:26 AM



#30
1,2,4-Trichlorobenzene
Concen: 38.26 ng
RT: 7.93 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.5	113.3
145	34.7	28.7	43.1





#31

Naphthalene

Concen: 37.43 ng

RT: 8.01 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 4490964

Ion Ratio Lower Upper

128 100

129 13.8 9.5 14.3

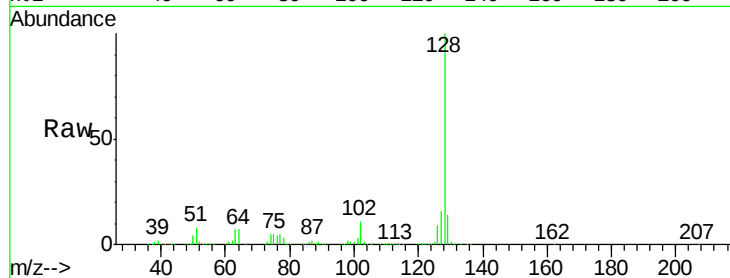
127 15.9 11.3 16.9

Manual Integrations

APPROVED

umangi

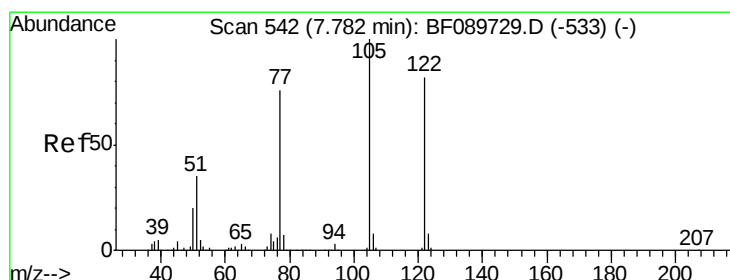
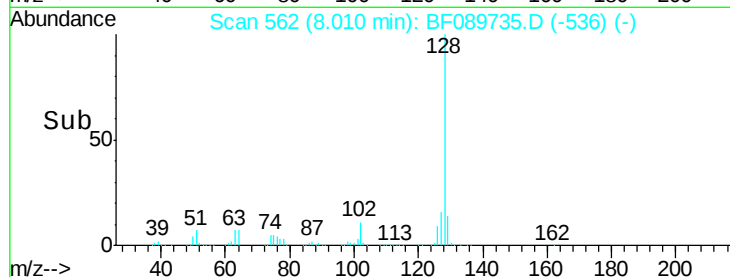
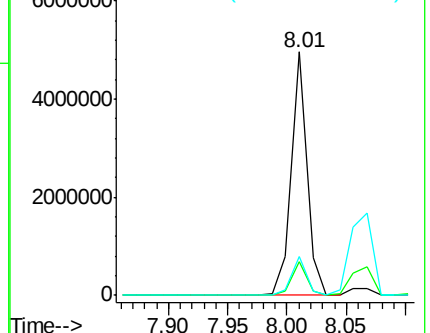
8/17/2016 5:58:26 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.37 ng

RT: 7.78 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

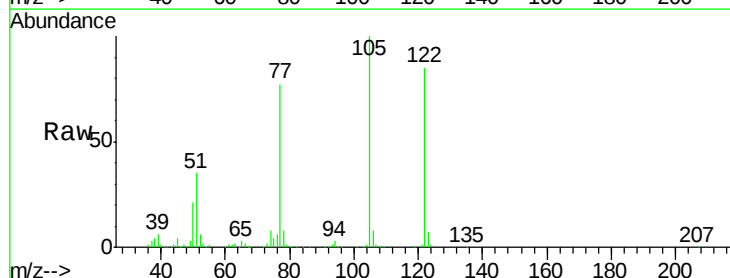
Tgt Ion:122 Resp: 1378746

Ion Ratio Lower Upper

122 100

105 117.6 100.8 140.8

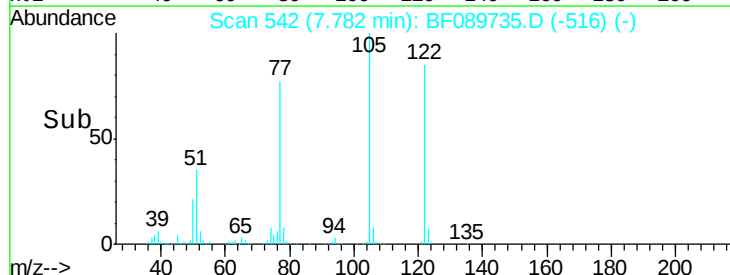
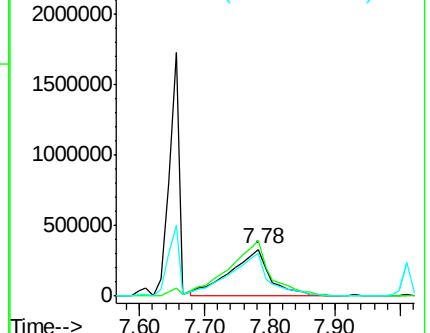
77 90.4 72.1 112.1

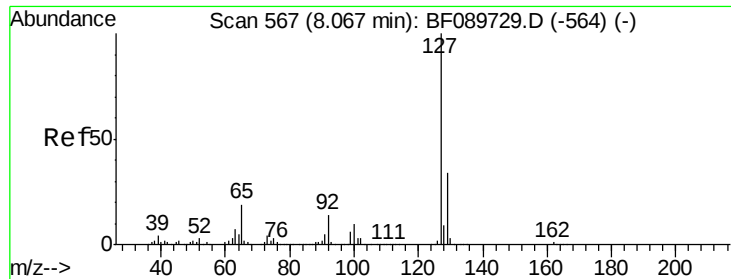


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





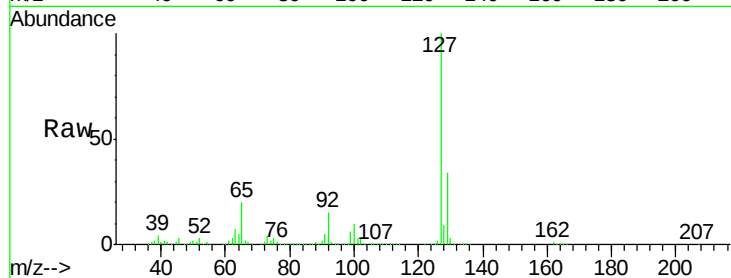
#33
4-Chloroaniline
Concen: 39.51 ng
RT: 8.07 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

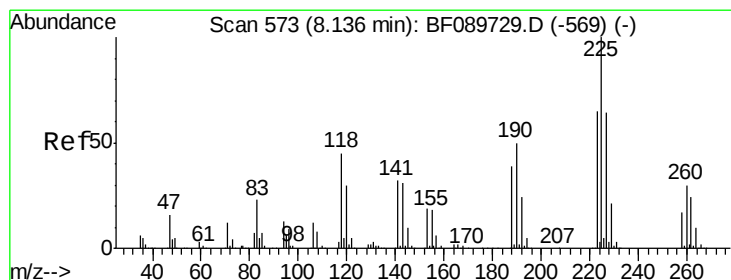
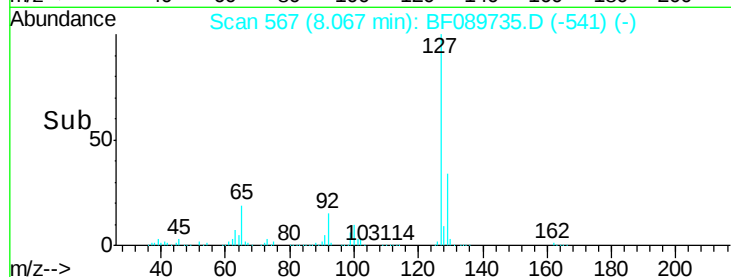
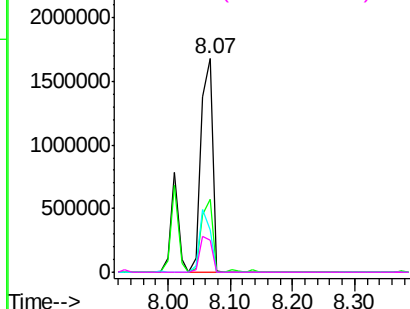
Tgt Ion	Ratio	Lower	Upper
127	100		
129	34.4	27.0	40.6
65	19.7	14.7	22.1
92	15.2	11.7	17.5

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM

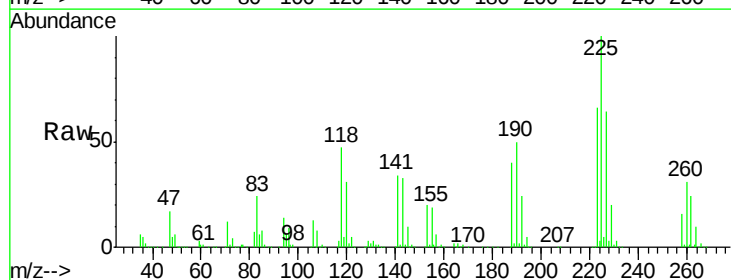


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

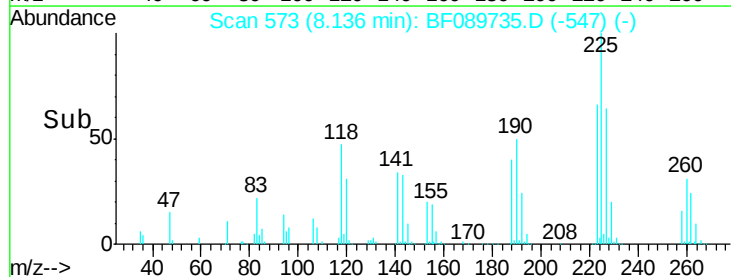
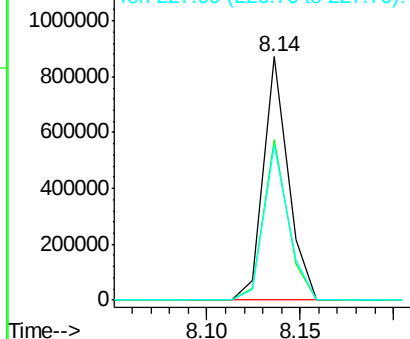


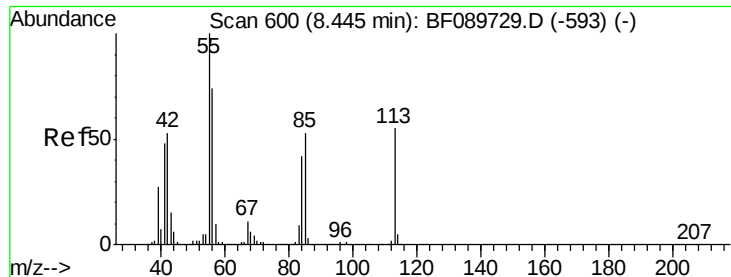
#34
Hexachlorobutadiene
Concen: 38.54 ng
RT: 8.14 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	51.0	76.6
227	63.7	49.8	74.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





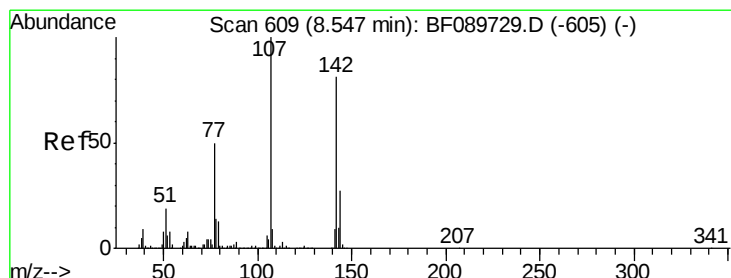
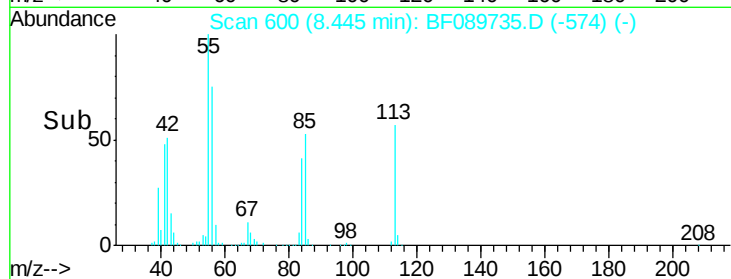
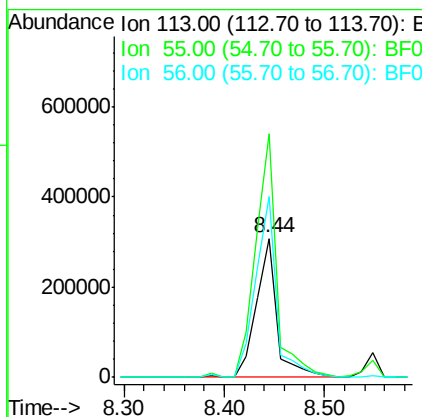
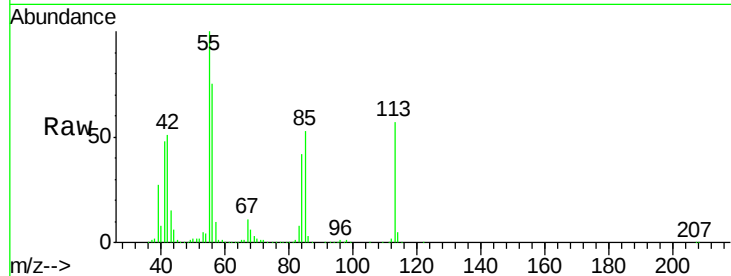
#35
 Caprolactam
 Concen: 38.94 ng
 RT: 8.44 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
113	100		
55	174.9	135.9	175.9
56	130.4	93.9	133.9

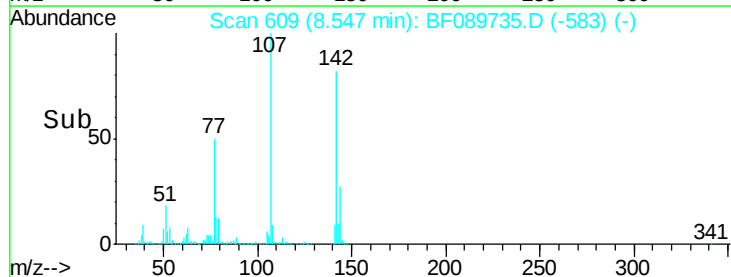
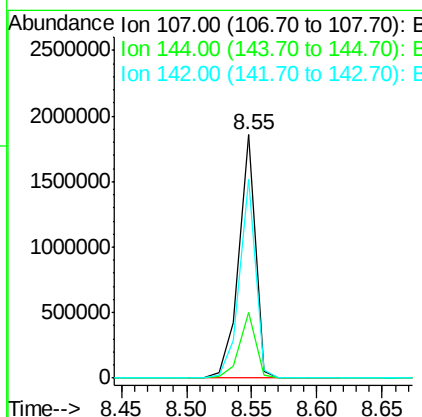
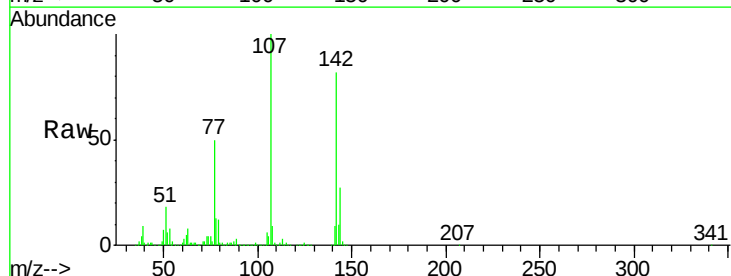
Manual Integrations
 APPROVED

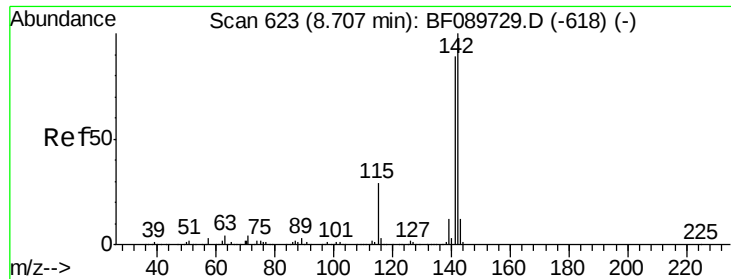
umangi
 8/17/2016 5:58:26 AM



#36
 4-Chloro-3-methylphenol
 Concen: 41.11 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	22.6	34.0
142	81.7	69.3	103.9





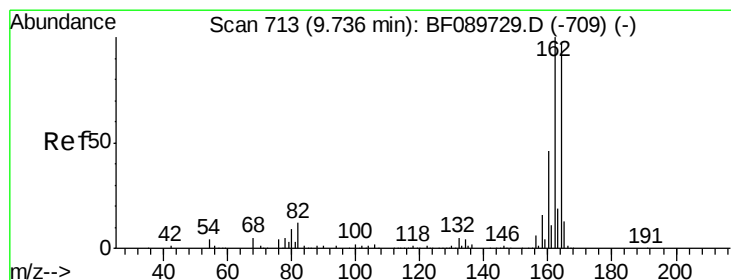
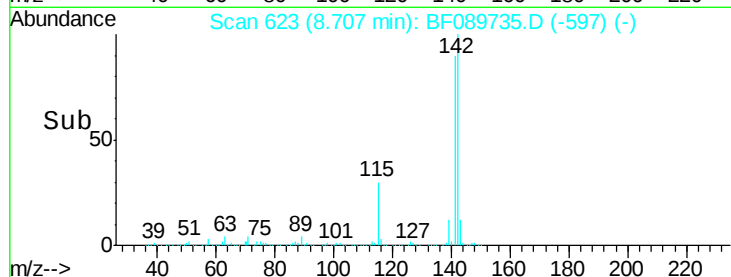
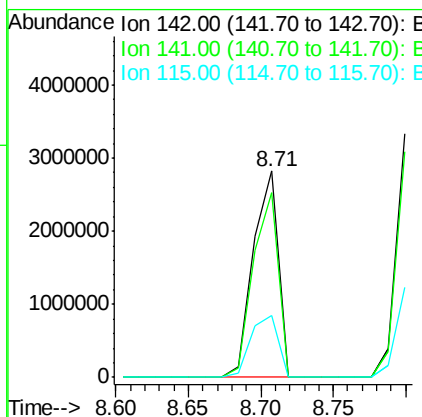
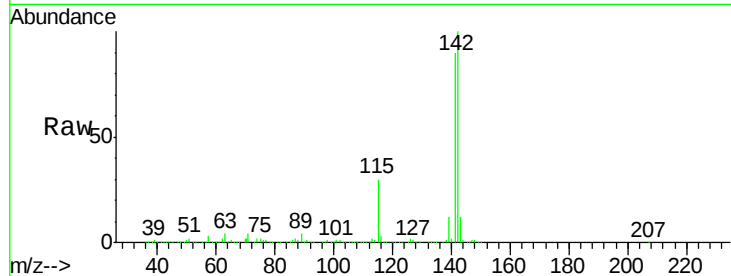
#37
2-Methylnaphthalene
Concen: 41.18 ng
RT: 8.71 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 3363298
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.2
115 29.8 22.7 34.1

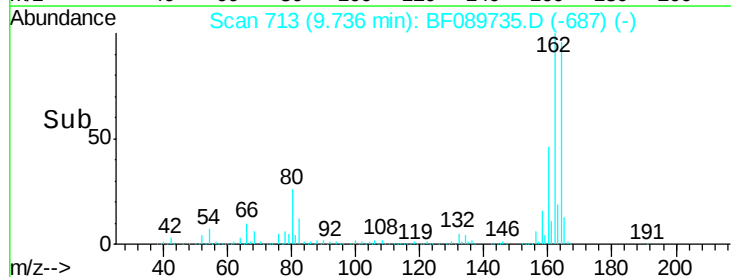
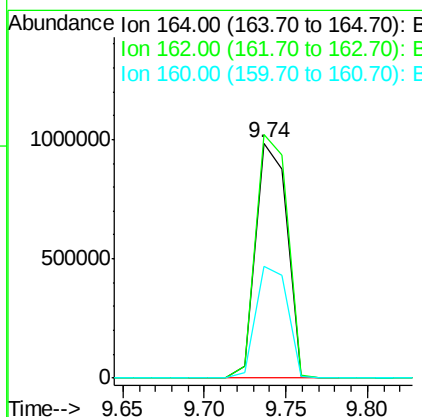
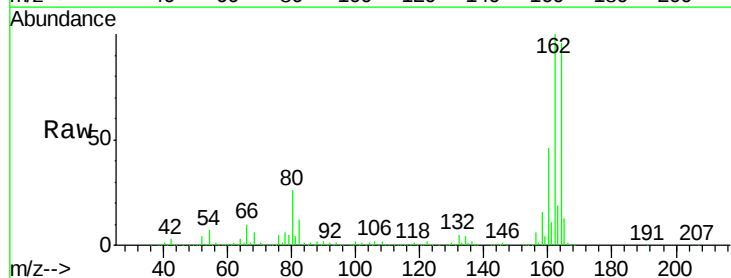
Manual Integrations
APPROVED

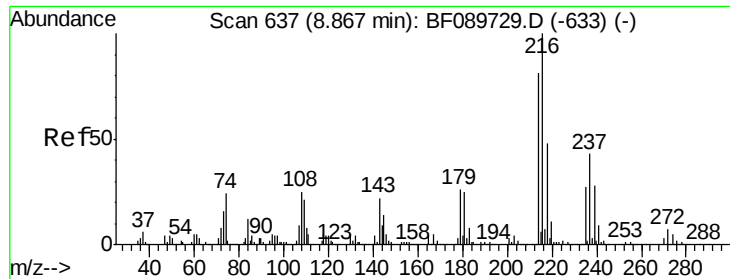
umangi
8/17/2016 5:58:26 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion:164 Resp: 1312640
Ion Ratio Lower Upper
164 100
162 103.7 81.4 122.2
160 47.4 37.8 56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.14 ng

RT: 8.87 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:216 Resp: 1440663

Ion Ratio Lower Upper

216 100

214 80.8 63.5 95.3

179 23.7 19.9 29.9

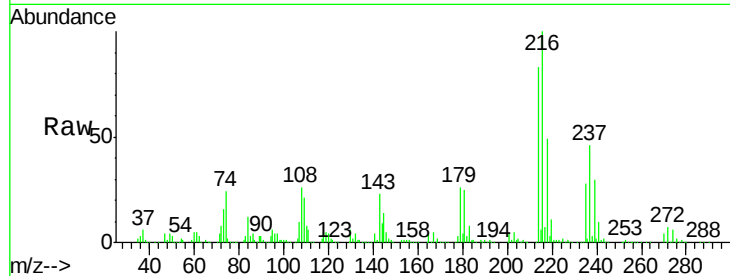
108 23.6 19.9 29.9

Manual Integrations

APPROVED

umangi

8/17/2016 5:58:26 AM

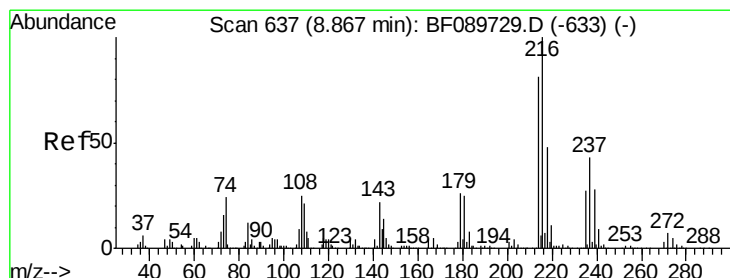
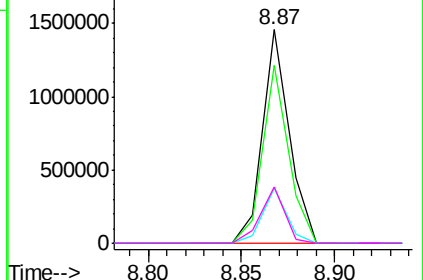
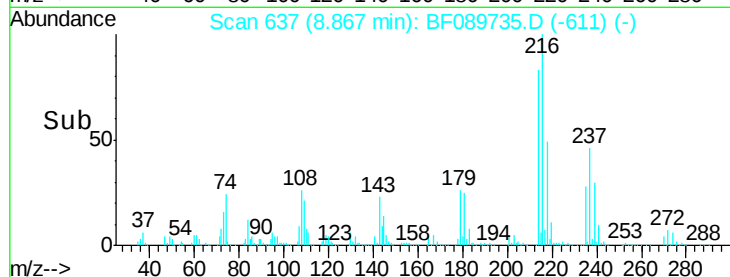


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 39.54 ng

RT: 8.87 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

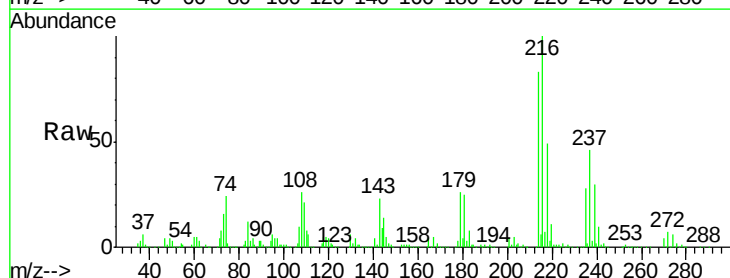
Tgt Ion:237 Resp: 743517

Ion Ratio Lower Upper

237 100

235 62.2 43.7 83.7

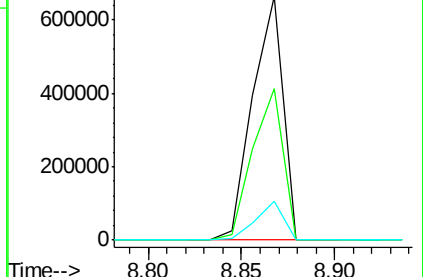
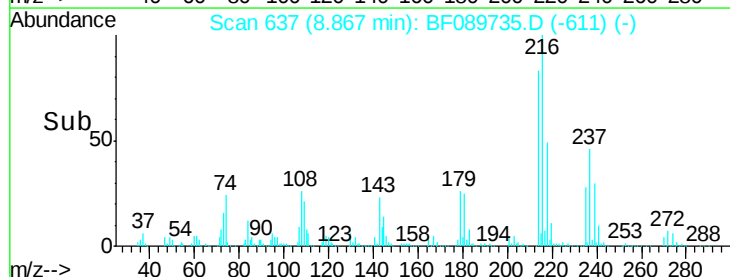
272 16.0 0.0 31.6

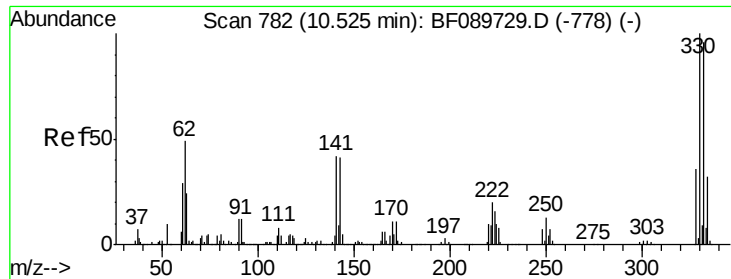


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





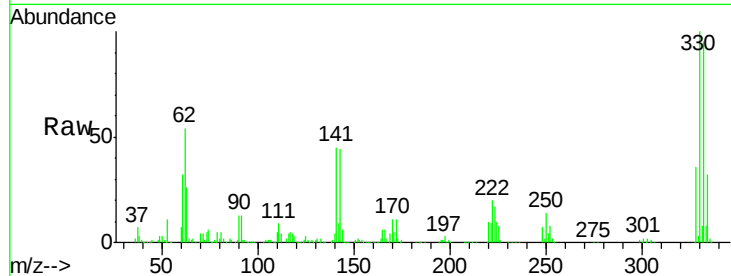
#41
 2,4,6-Tribromophenol
 Concen: 72.13 ng
 RT: 10.52 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampled :
 SSTDCCC040

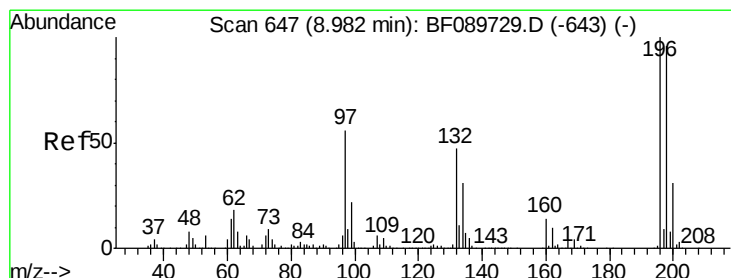
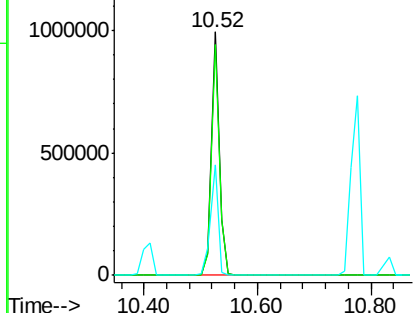
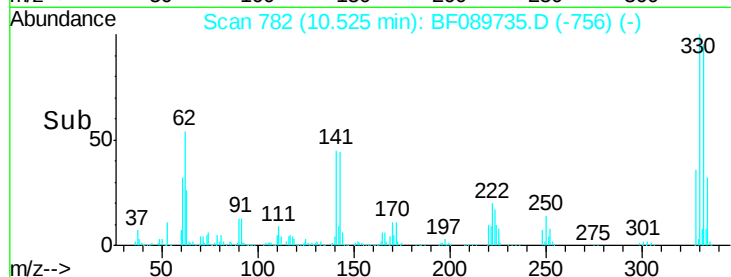
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	916027		
332	95.5	76.7	115.1	
141	43.6	30.2	45.2	

Manual Integrations
 APPROVED

umangi
 8/17/2016 5:58:26 AM

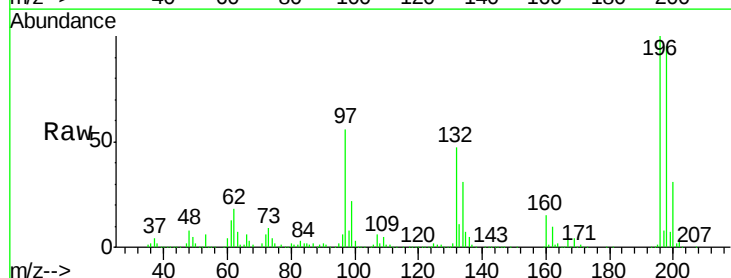


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

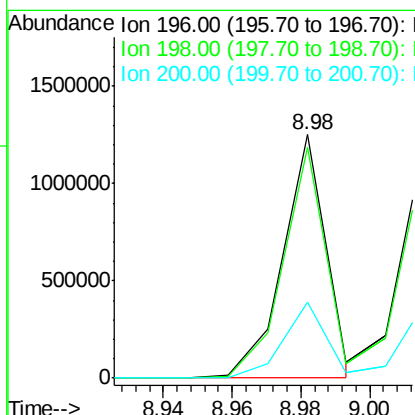
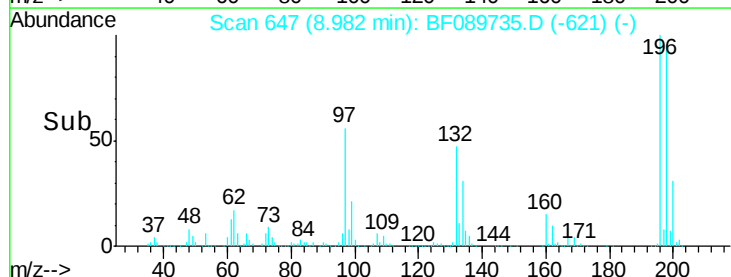


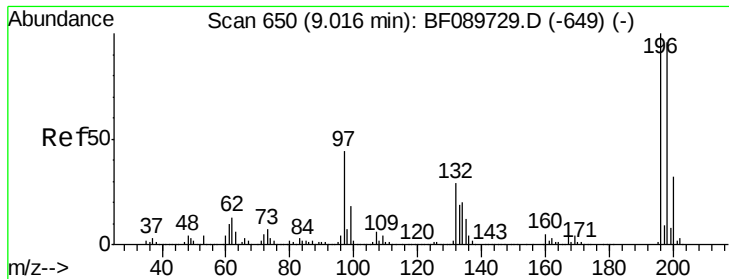
#42
 2,4,6-Trichlorophenol
 Concen: 40.16 ng m
 RT: 8.98 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	1094639		
198	94.8	76.3	114.5	
200	31.3	24.6	36.8	



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





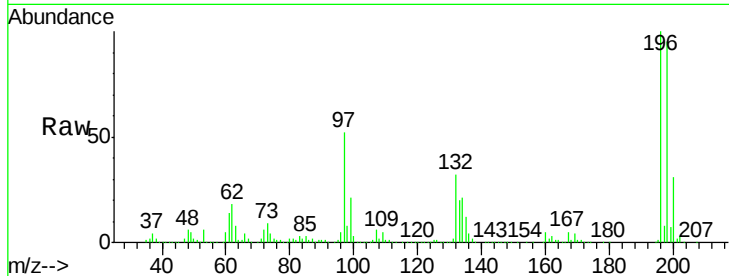
#43
 2,4,5-Trichlorophenol
 Concen: 41.41 ng m
 RT: 9.02 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.6	114.8
97	52.2	35.8	53.8
132	31.9	23.5	35.3

Manual Integrations
 APPROVED

umangi
 8/17/2016 5:58:26 AM



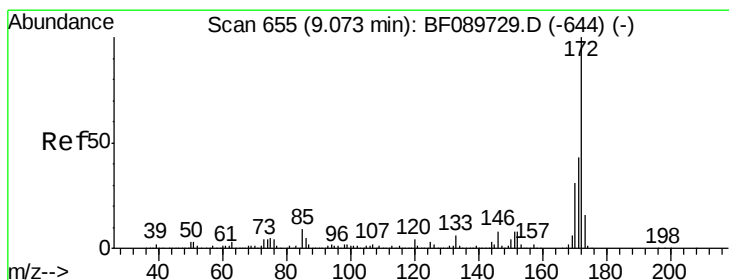
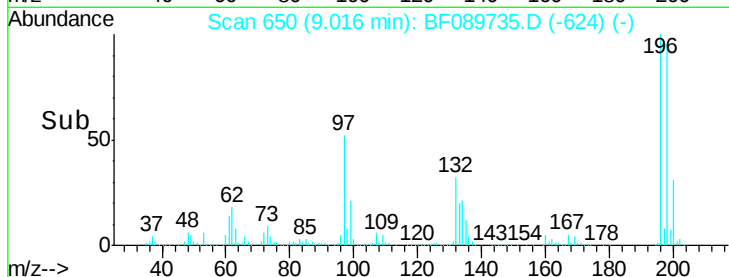
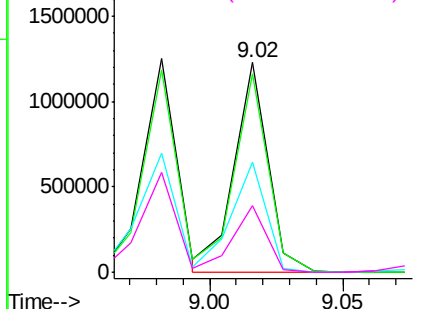
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.63 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

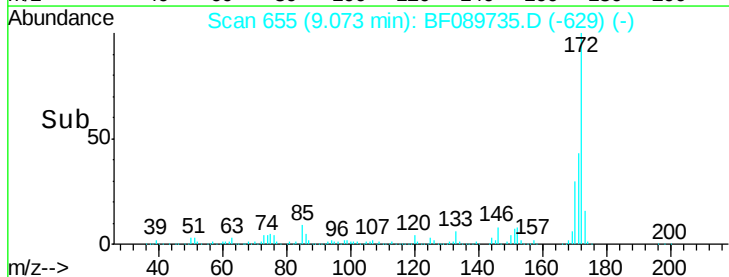
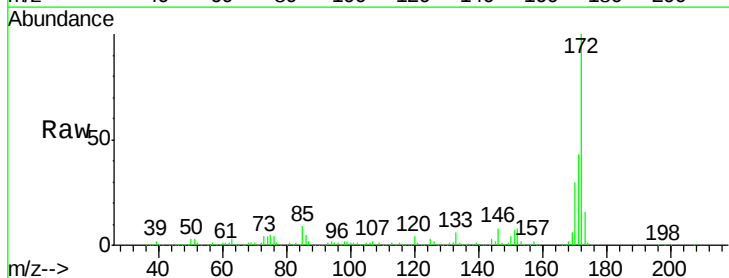
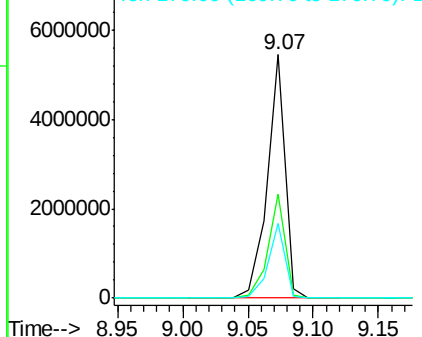
Tgt Ion	Ratio	Lower	Upper
172	100		
171	43.0	30.5	45.7
170	30.4	20.6	31.0

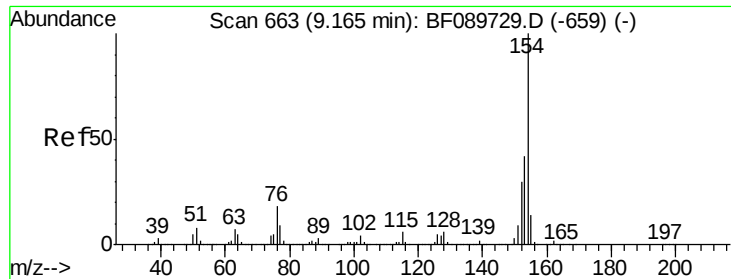
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





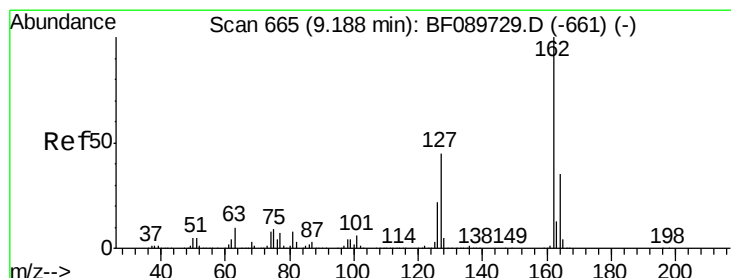
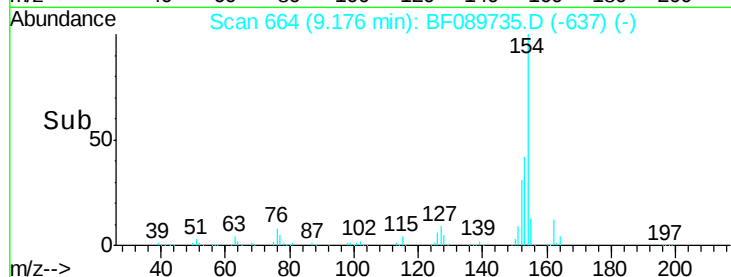
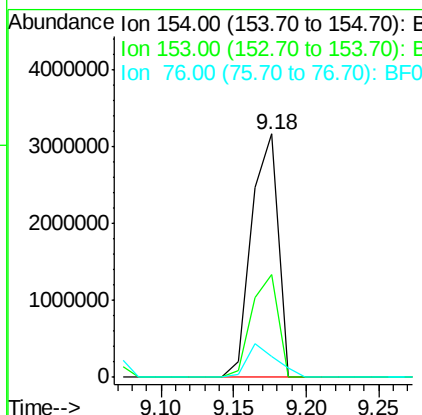
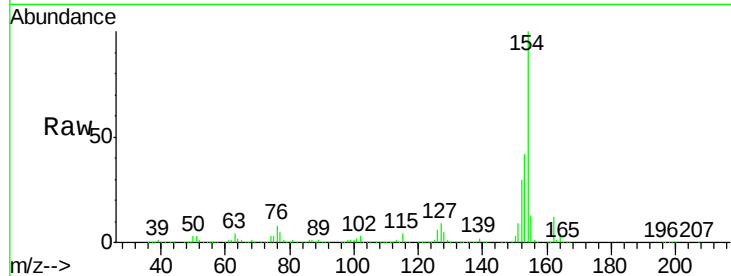
#45
 1,1'-Biphenyl
 Concen: 36.95 ng
 RT: 9.18 min Scan# 664
 Delta R.T. 0.01 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion:154 Resp: 4016968
 Ion Ratio Lower Upper
 154 100
 153 42.1 21.5 61.5
 76 8.4 0.0 36.7

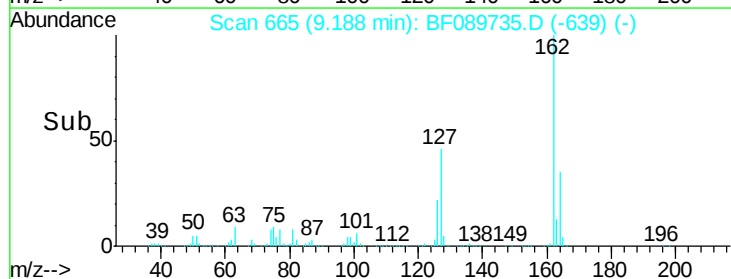
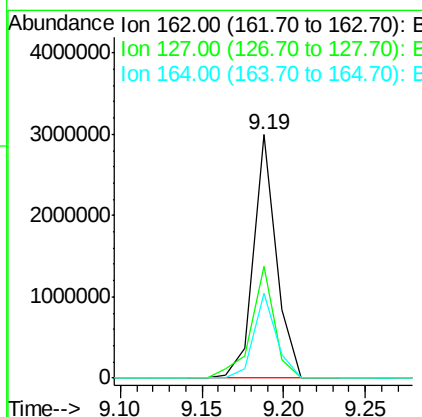
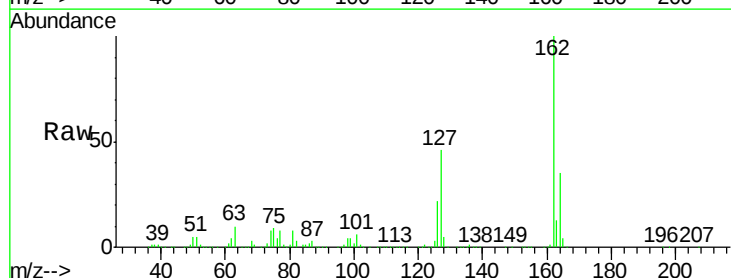
Manual Integrations
 APPROVED

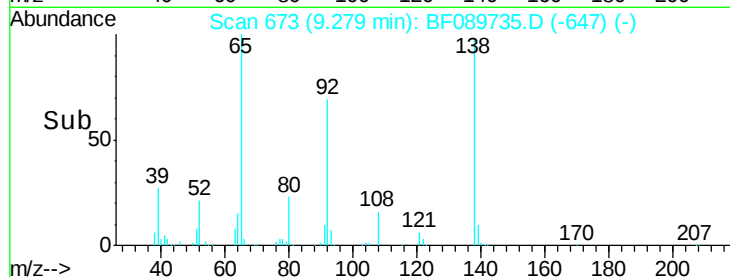
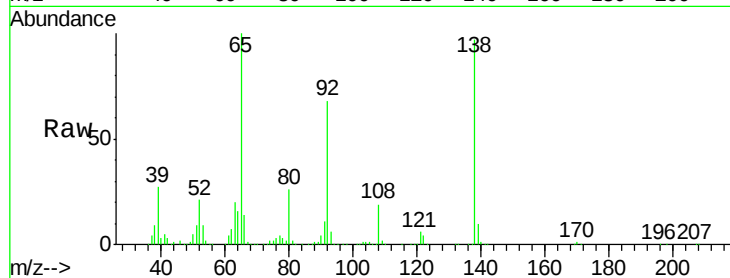
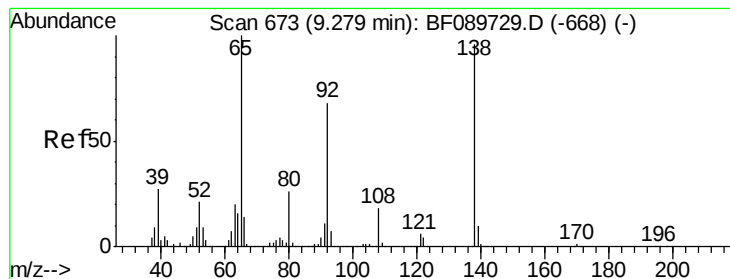
umangi
 8/17/2016 5:58:26 AM



#46
 2-Chloronaphthalene
 Concen: 35.75 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion:162 Resp: 2911920
 Ion Ratio Lower Upper
 162 100
 127 45.7 35.5 53.3
 164 35.1 26.6 40.0





#47

2-Nitroaniline

Concen: 37.72 ng

RT: 9.28 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	65	Resp:	936427
Ion Ratio	Lower	Upper	
65	100		
92	68.1	56.3	84.5
138	96.8	81.8	122.8

Instrument :

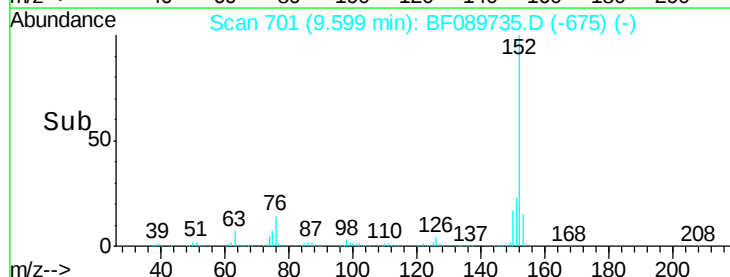
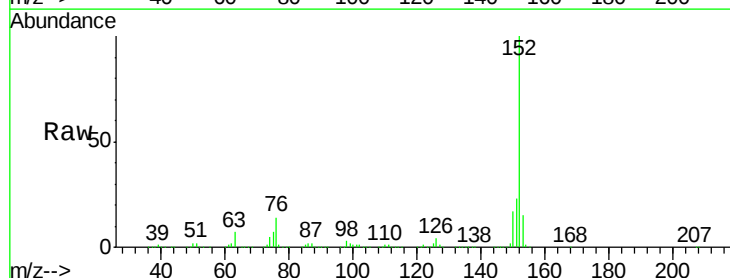
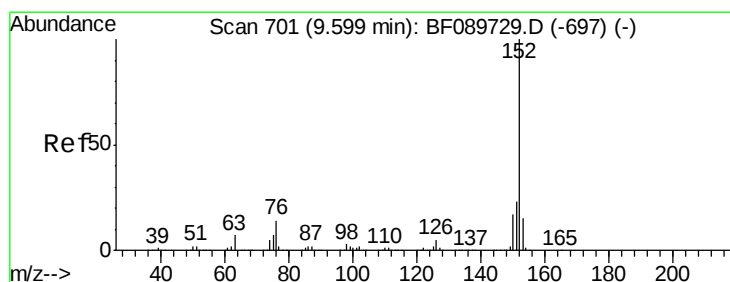
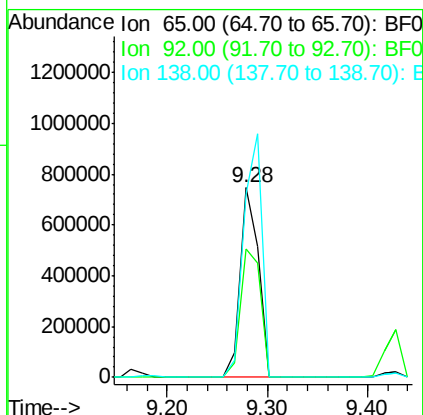
BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



#48

Acenaphthylene

Concen: 36.58 ng

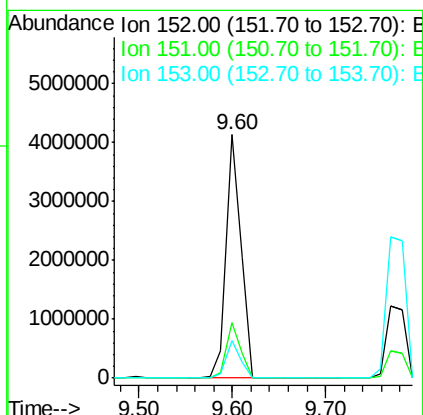
RT: 9.60 min Scan# 701

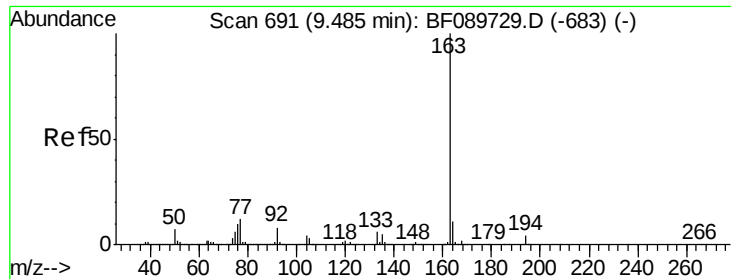
Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	152	Resp:	4587406
Ion Ratio	Lower	Upper	
152	100		
151	22.9	17.1	25.7
153	15.4	11.2	16.8





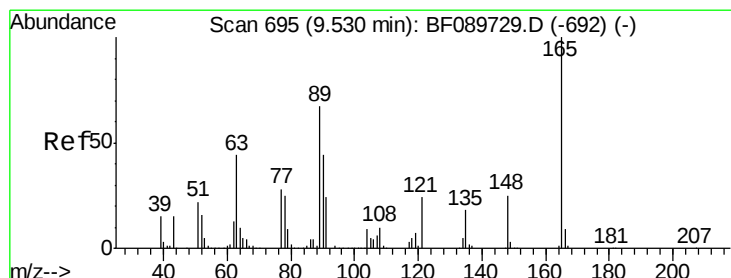
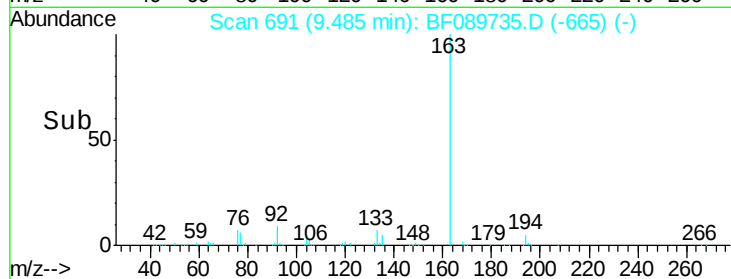
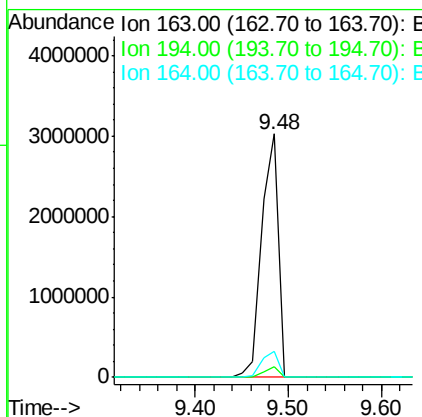
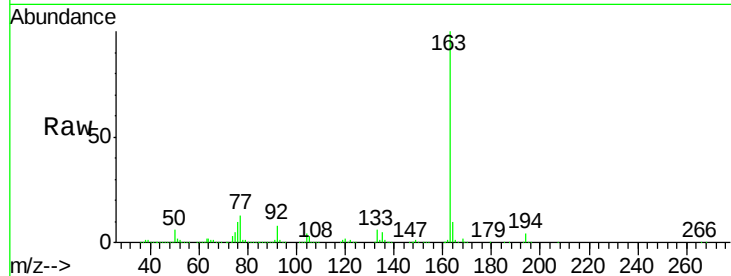
#49
Dimethylphthalate
Concen: 39.78 ng
RT: 9.48 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:163 Resp: 3778631
Ion Ratio Lower Upper
163 100
194 4.2 2.6 3.8#
164 10.4 8.6 12.8

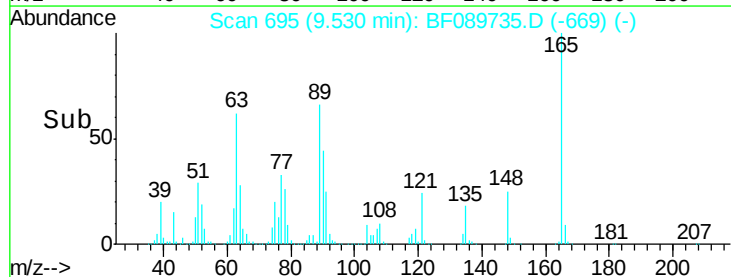
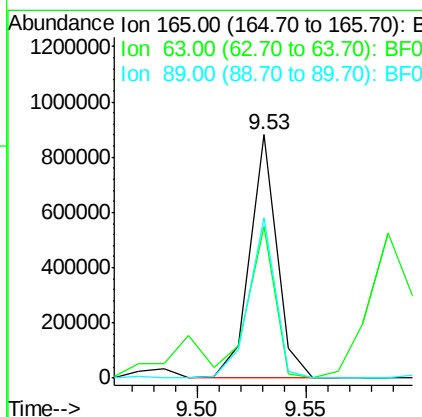
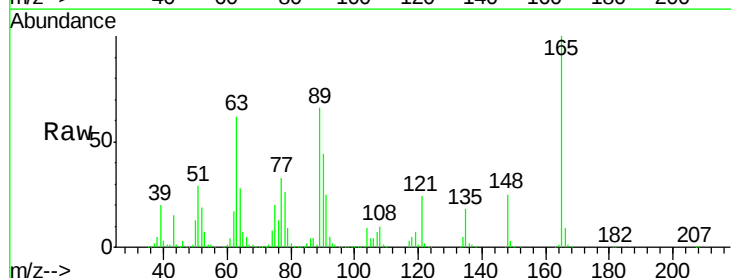
Manual Integrations
APPROVED

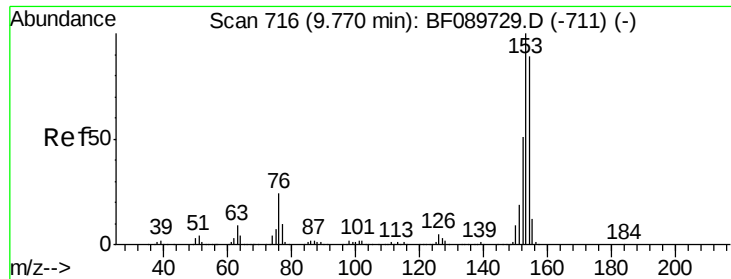
umangi
8/17/2016 5:58:26 AM



#50
2,6-Dinitrotoluene
Concen: 35.49 ng
RT: 9.53 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion:165 Resp: 762924
Ion Ratio Lower Upper
165 100
63 62.1 41.7 62.5
89 65.7 44.6 67.0





#51

Acenaphthene

Concen: 38.34 ng

RT: 9.77 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:154 Resp: 3244480

Ion Ratio Lower Upper

154 100

153 111.6 90.5 135.7

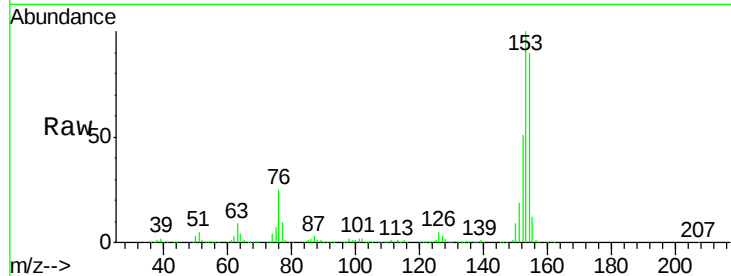
152 56.4 44.6 67.0

Manual Integrations

APPROVED

umangi

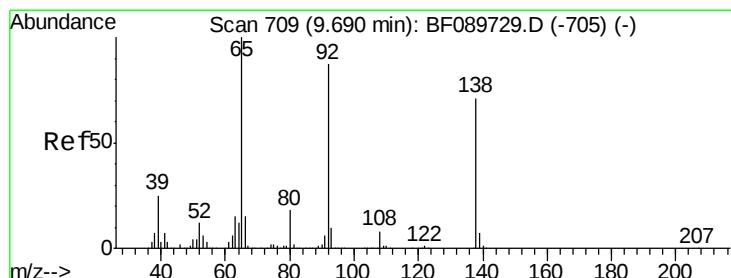
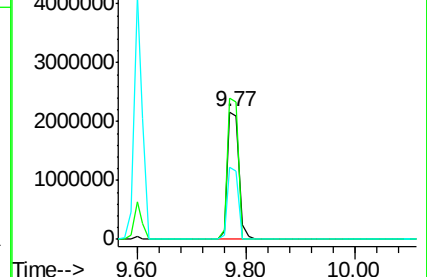
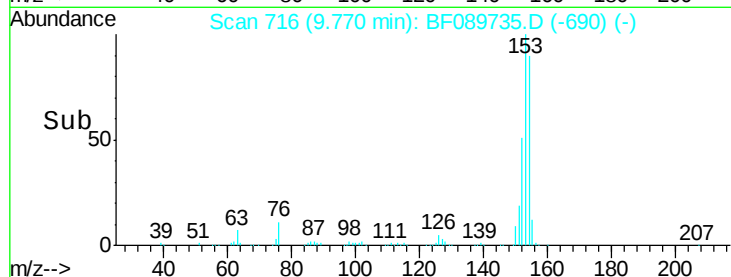
8/17/2016 5:58:26 AM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 42.42 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

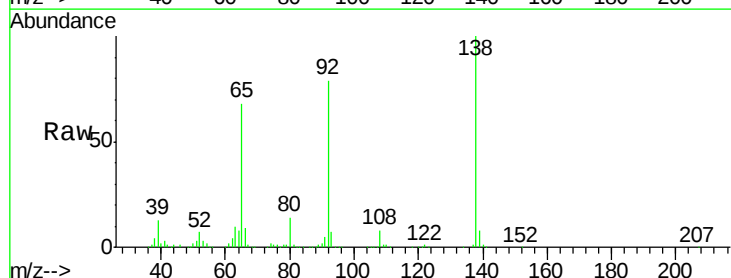
Tgt Ion:138 Resp: 1060334

Ion Ratio Lower Upper

138 100

108 7.9 8.1 12.1#

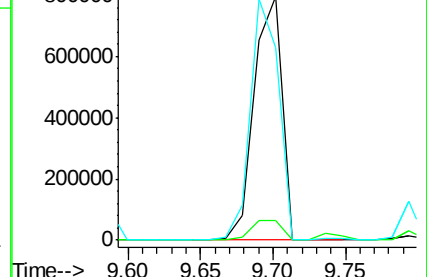
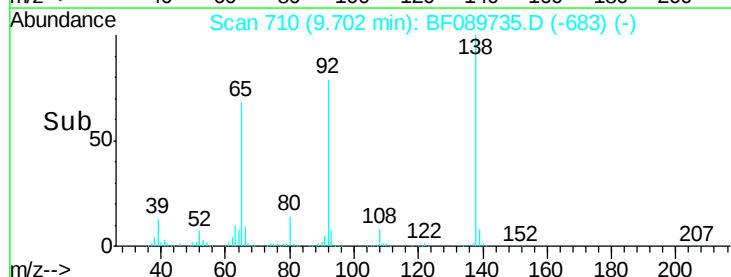
92 78.8 92.7 139.1#

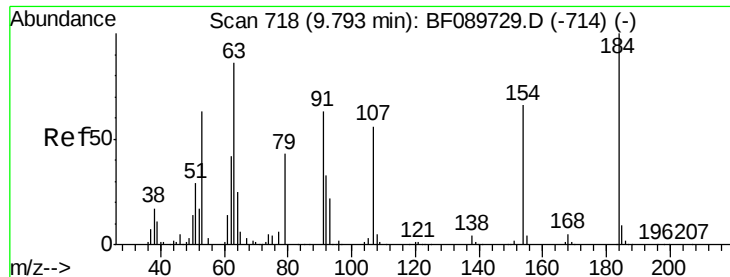


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





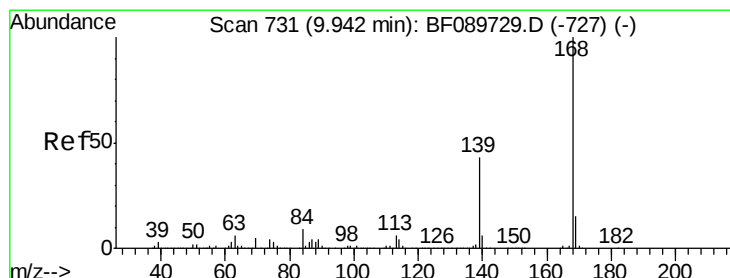
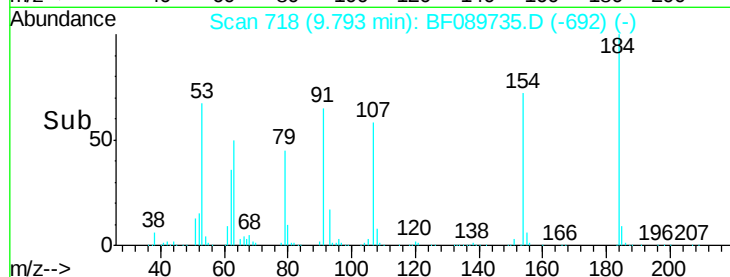
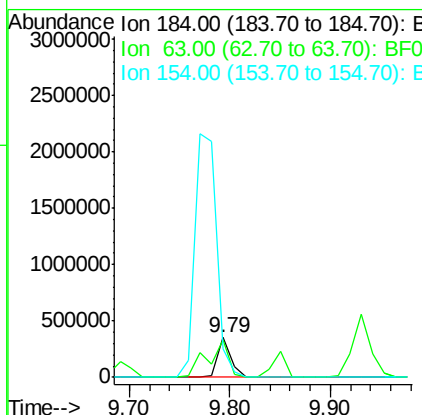
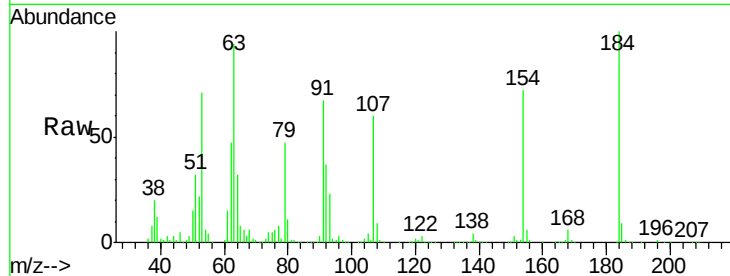
#53
2,4-Dinitrophenol
Concen: 34.96 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	325764		
63	94.0	54.2	81.4#	
154	72.0	52.7	79.1	

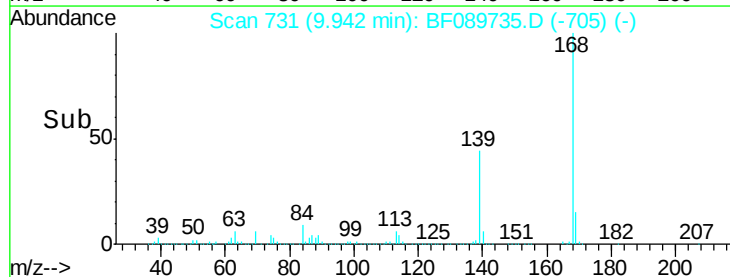
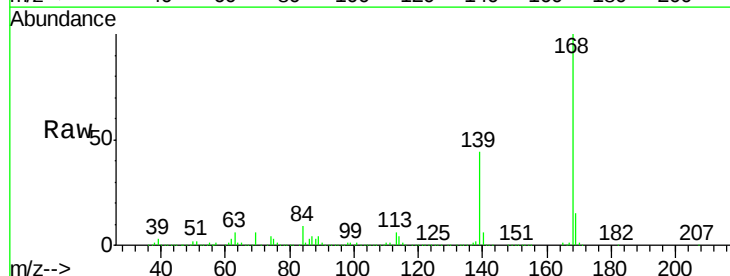
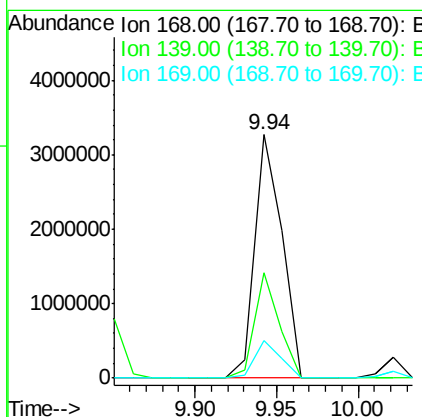
Manual Integrations
APPROVED

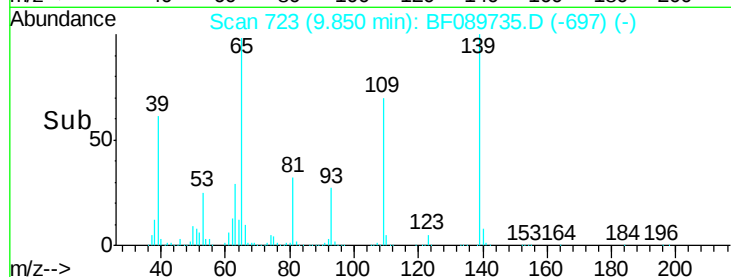
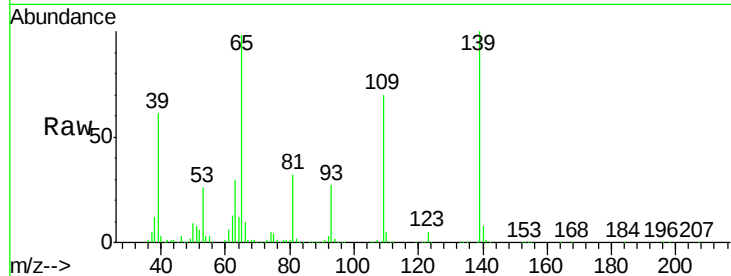
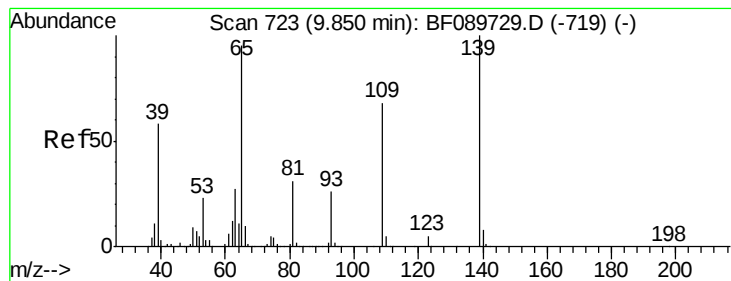
umangi
8/17/2016 5:58:26 AM



#54
Dibenzofuran
Concen: 36.28 ng
RT: 9.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	3778238		
139	43.5	34.6	52.0	
169	15.3	11.5	17.3	





#55

4-Nitrophenol

Concen: 38.35 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	139	Resp:	737469
Ion Ratio	Lower	Upper	
139	100		
109	69.9	43.0	83.0
65	98.0	55.7	95.7#

Instrument :

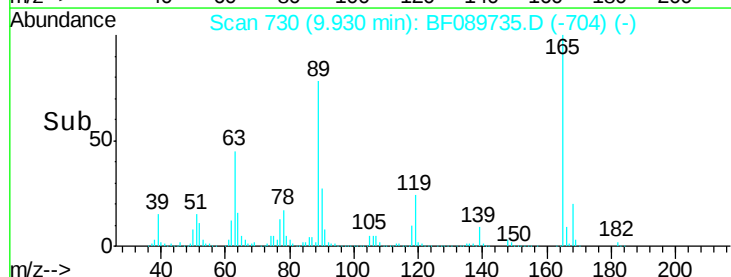
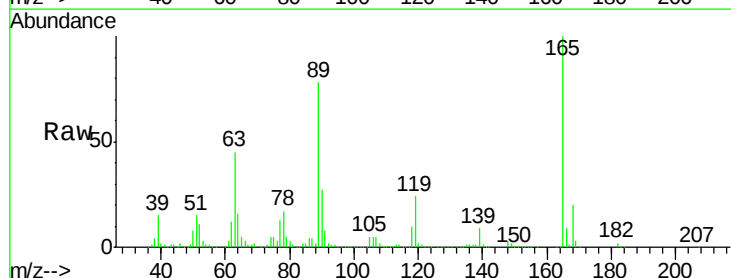
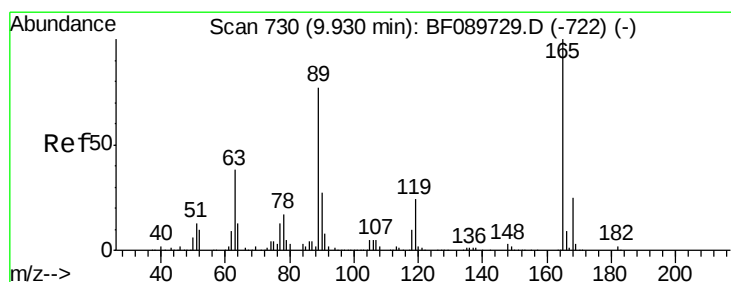
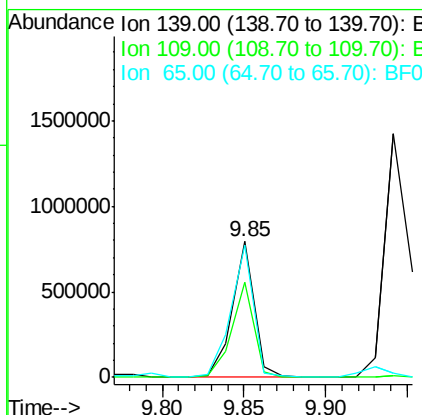
BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



#56

2,4-Dinitrotoluene

Concen: 40.27 ng

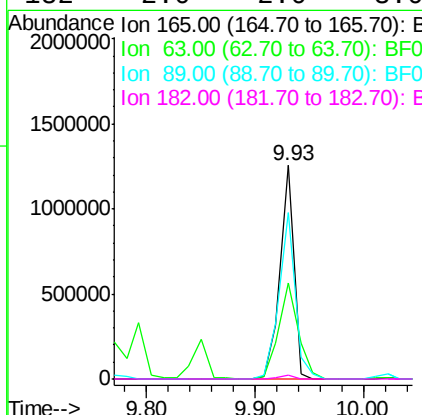
RT: 9.93 min Scan# 730

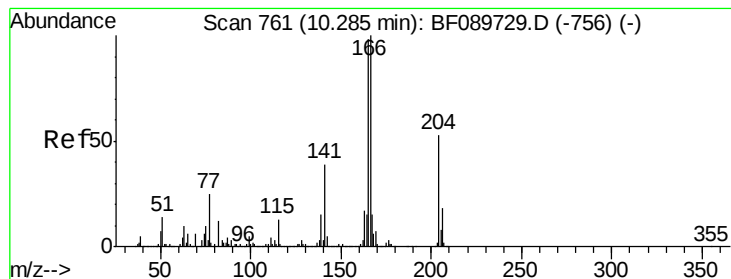
Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:	165	Resp:	1112692
Ion Ratio	Lower	Upper	
165	100		
63	44.9	23.7	35.5#
89	78.0	44.0	66.0#
182	2.0	2.0	3.0#





#57

Fluorene

Concen: 34.67 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:166 Resp: 2916948

Ion Ratio Lower Upper

166 100

165 98.3 80.2 120.4

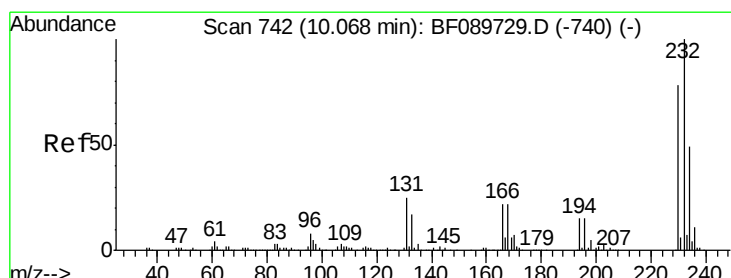
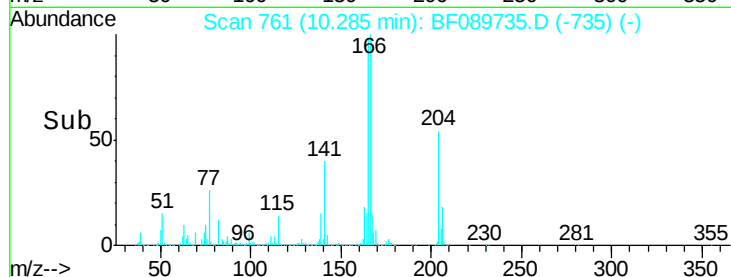
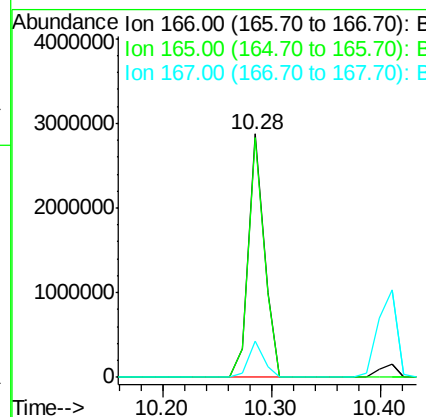
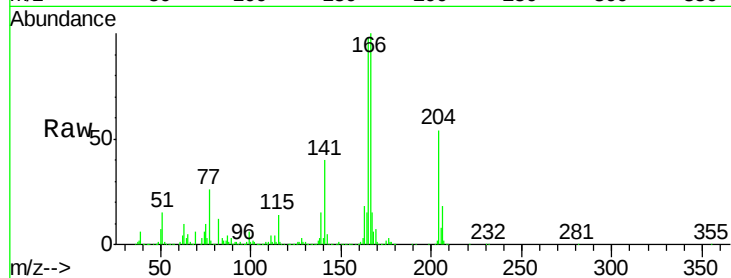
167 14.7 11.3 16.9

Manual Integrations

APPROVED

umangi

8/17/2016 5:58:26 AM



#58

2,3,4,6-Tetrachlorophenol

Concen: 38.55 ng

RT: 10.07 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion:232 Resp: 782635

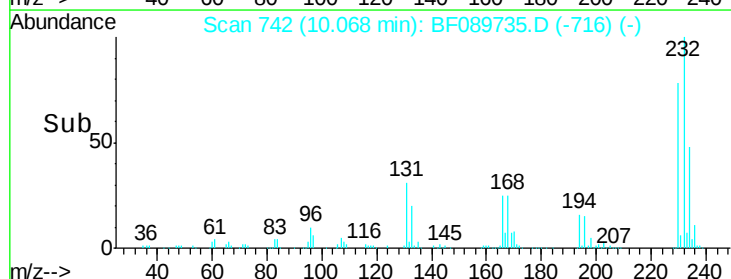
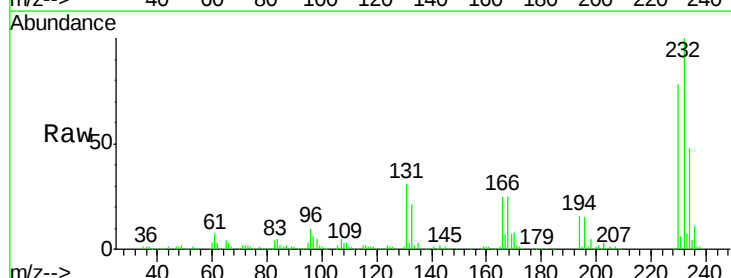
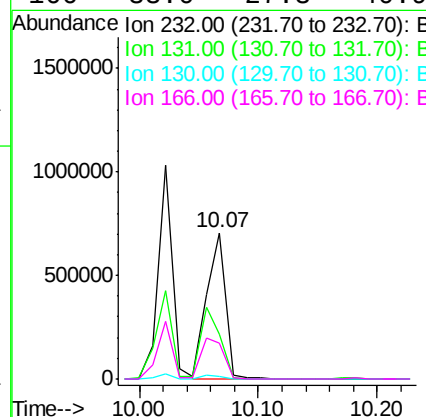
Ion Ratio Lower Upper

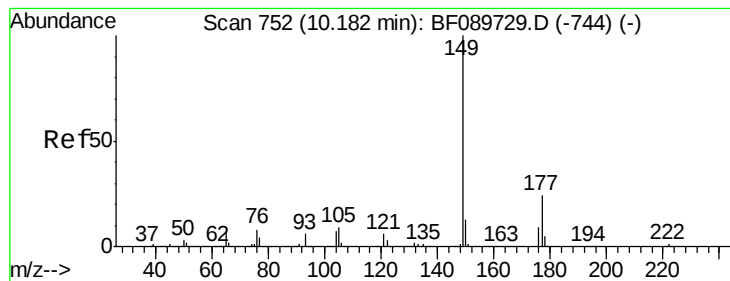
232 100

131 50.1 42.5 63.7

130 2.4 2.2 3.4

166 33.0 27.3 40.9





#59

Diethylphthalate

Concen: 39.62 ng

RT: 10.18 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 3815718

Ion Ratio Lower Upper

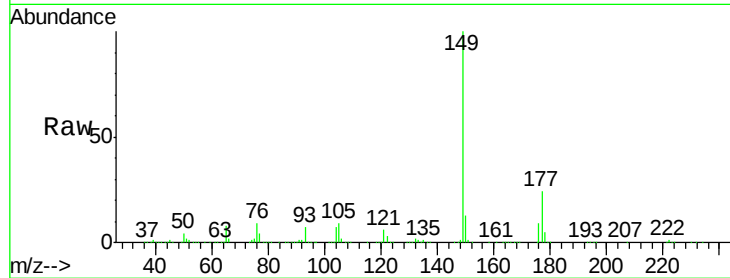
149 100

177 23.8 16.6 25.0

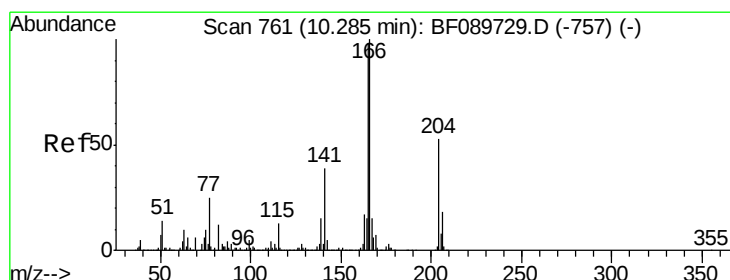
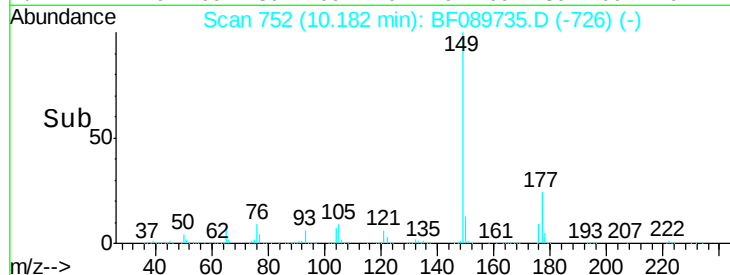
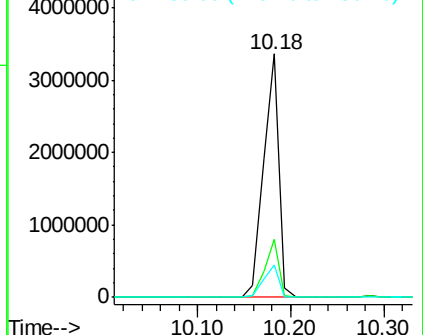
150 13.4 10.5 15.7

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 32.54 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

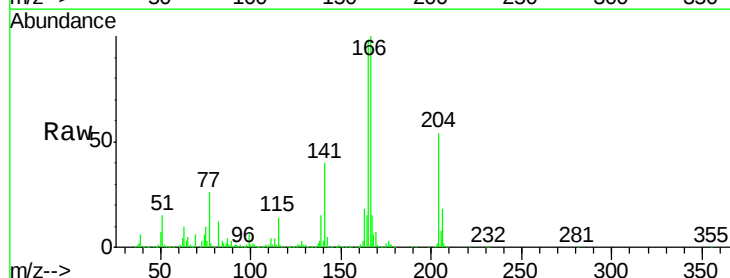
Tgt Ion:204 Resp: 1344259

Ion Ratio Lower Upper

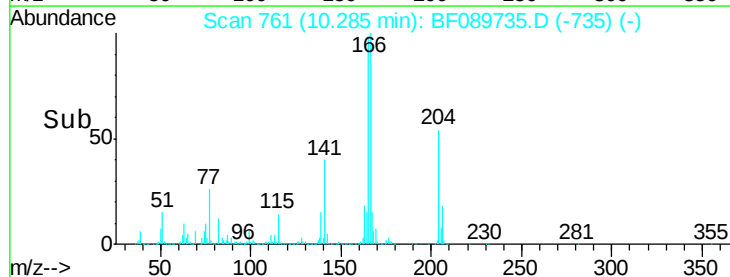
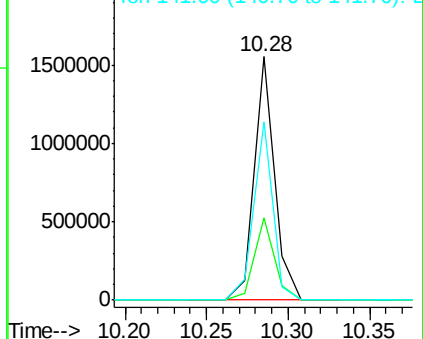
204 100

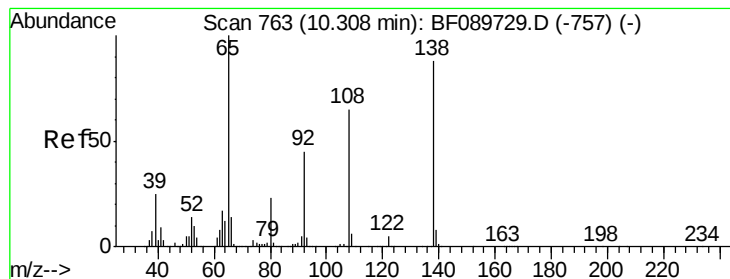
206 33.9 26.5 39.7

141 73.5 54.1 81.1



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





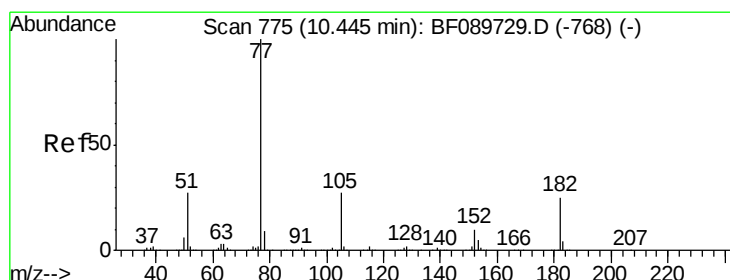
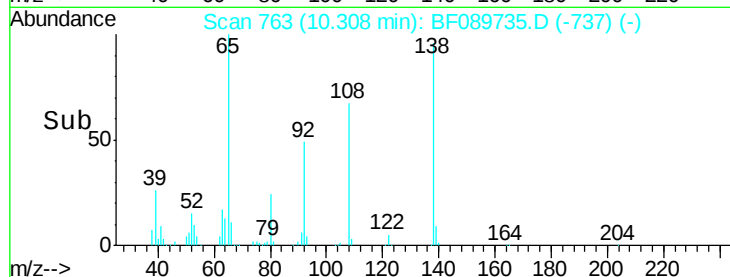
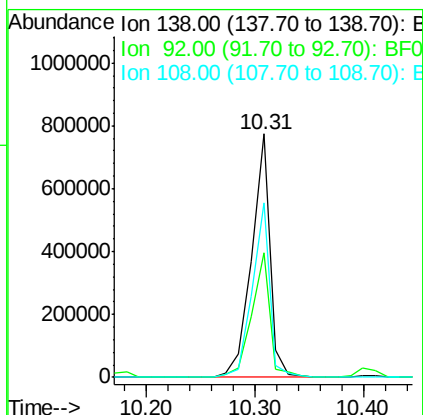
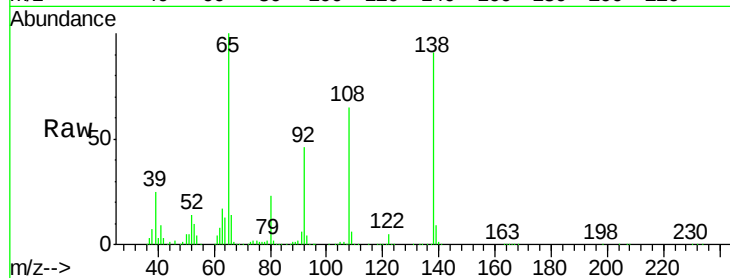
#61
4-Nitroaniline
Concen: 37.86 ng
RT: 10.31 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.0	26.4	66.4
108	71.8	47.0	87.0

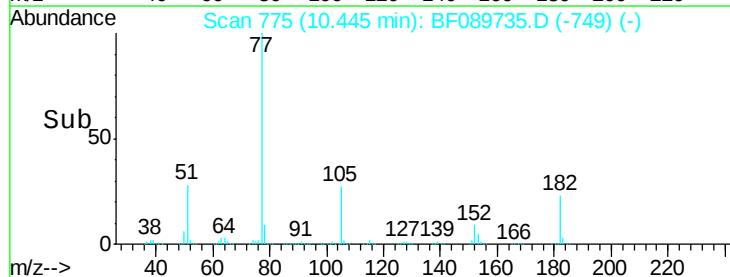
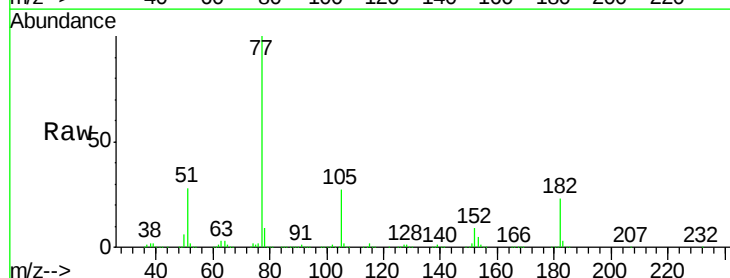
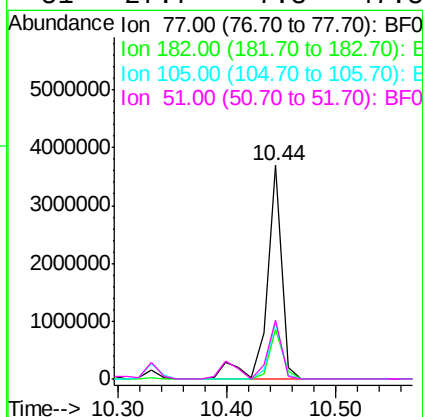
Manual Integrations
APPROVED

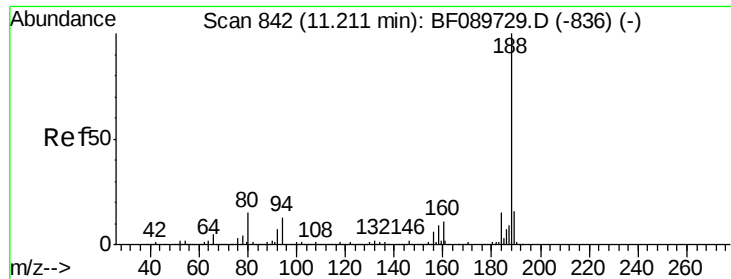
umangi
8/17/2016 5:58:26 AM



#62
Azobenzene
Concen: 39.48 ng
RT: 10.44 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.1	5.6	45.6
105	26.6	4.0	44.0
51	27.7	7.8	47.8





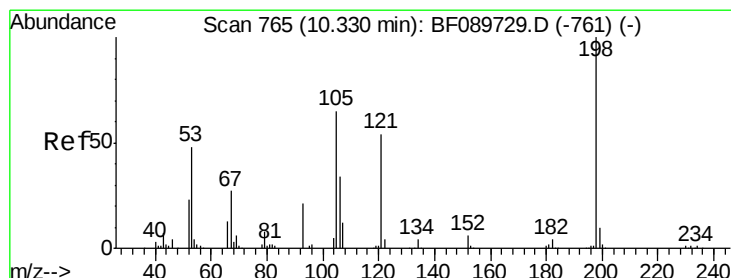
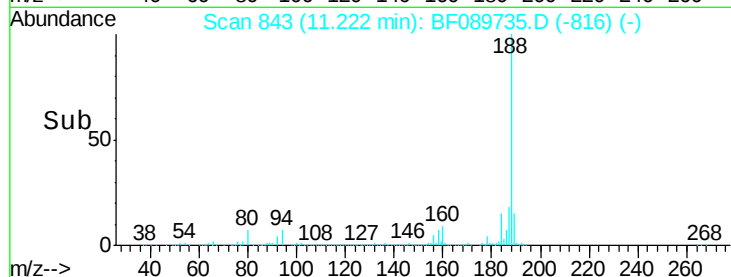
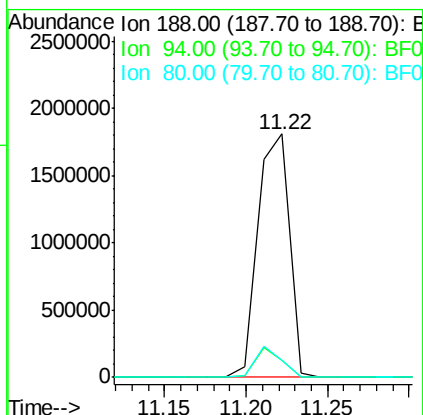
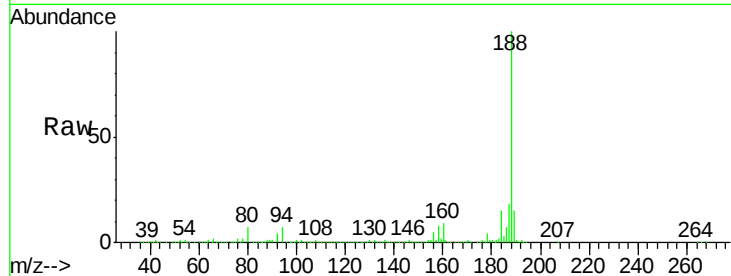
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.01 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	10.2	15.2#
80	6.9	10.9	16.3#

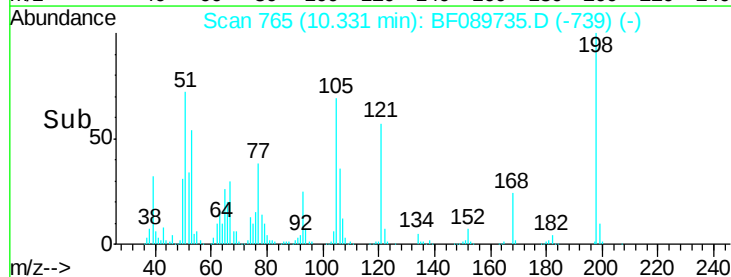
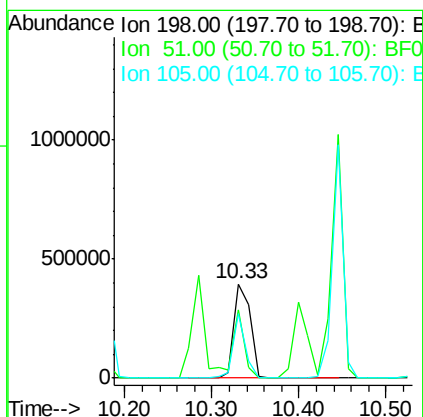
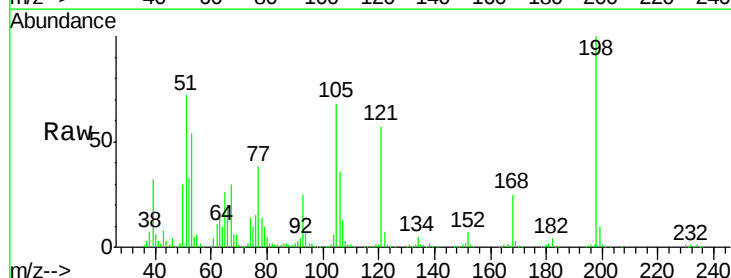
Manual Integrations
APPROVED

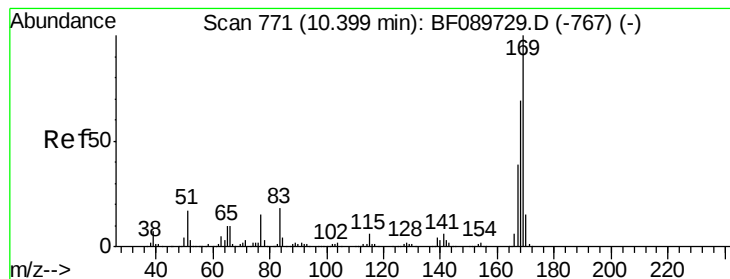
umangi
8/17/2016 5:58:26 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 36.20 ng
RT: 10.33 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
198	100		
51	72.2	32.3	72.3
105	68.3	32.9	72.9





#65

n-Nitrosodiphenylamine

Concen: 40.92 ng

RT: 10.41 min Scan# 772

Delta R.T. 0.01 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:169 Resp: 3125793

Ion Ratio Lower Upper

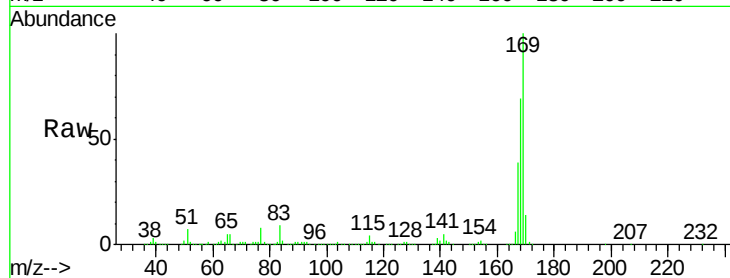
169 100

168 68.9 54.6 82.0

167 39.3 30.6 45.8

Manual Integrations
APPROVED

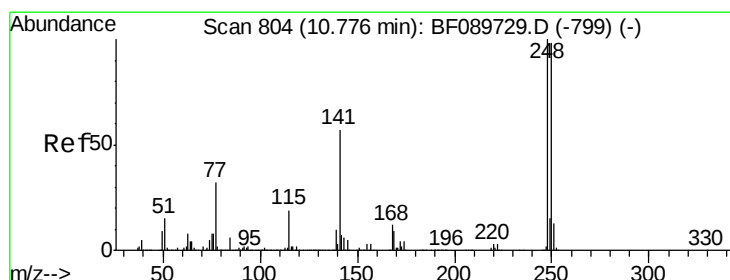
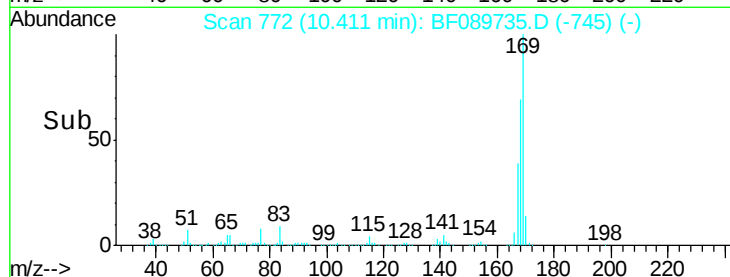
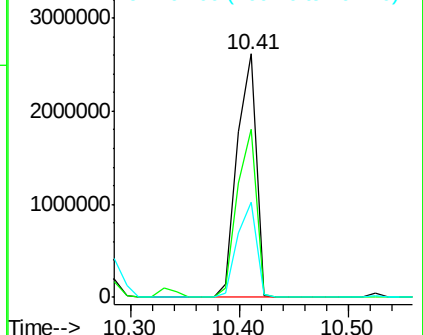
umangi
8/17/2016 5:58:26 AM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 41.02 ng

RT: 10.78 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

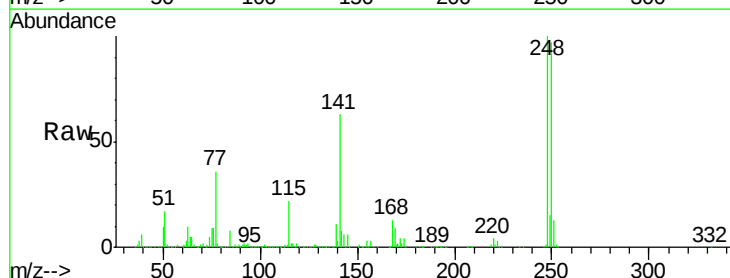
Tgt Ion:248 Resp: 1034118

Ion Ratio Lower Upper

248 100

250 96.8 78.6 117.8

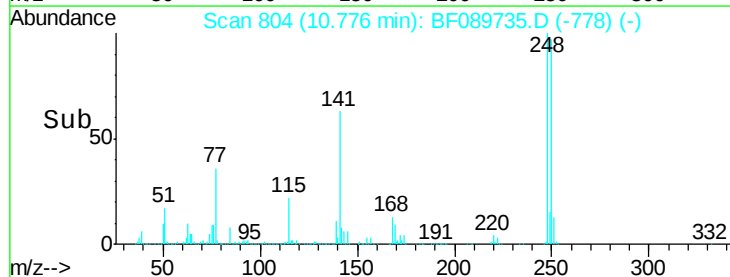
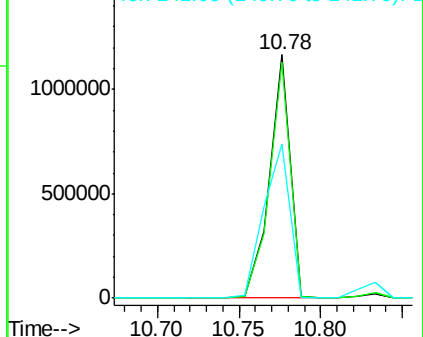
141 63.0 31.4 47.2#

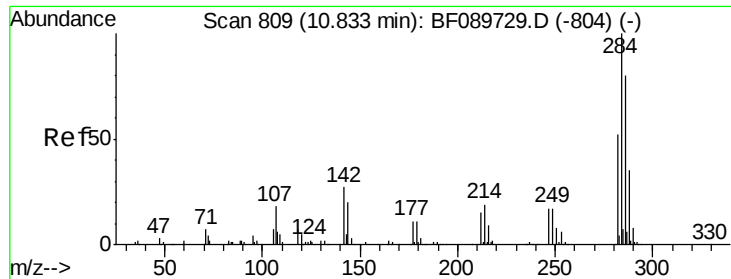


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 39.00 ng

RT: 10.83 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

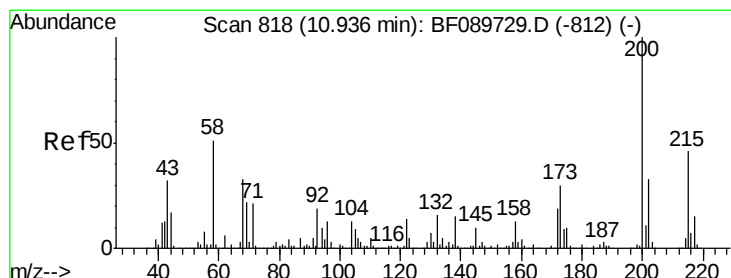
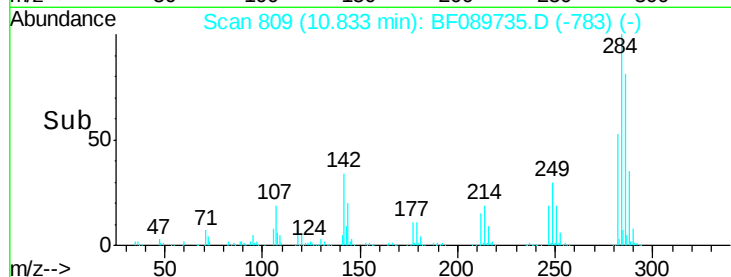
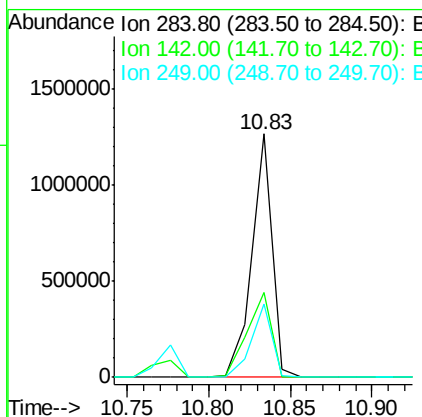
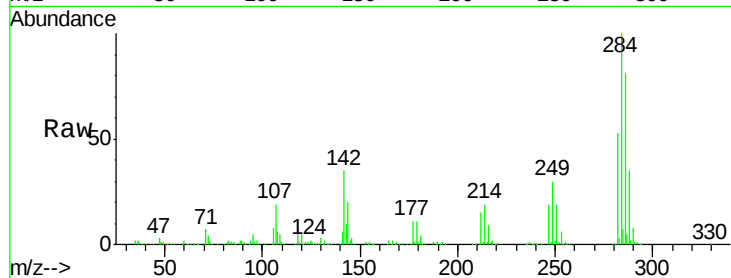
ClientSampleId :

SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.6	17.4	26.2
249	30.3	22.8	34.2

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



#68

Atrazine

Concen: 36.76 ng

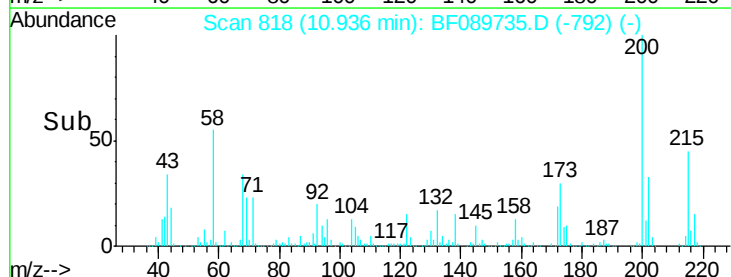
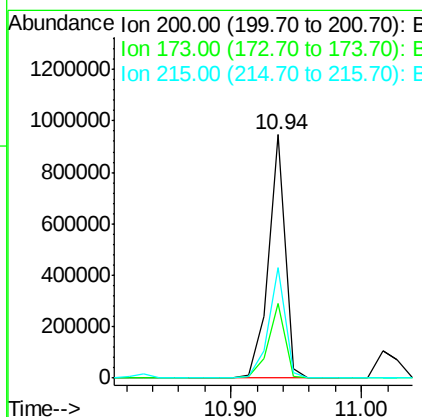
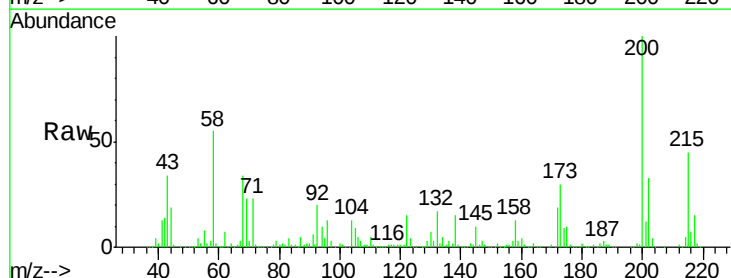
RT: 10.94 min Scan# 818

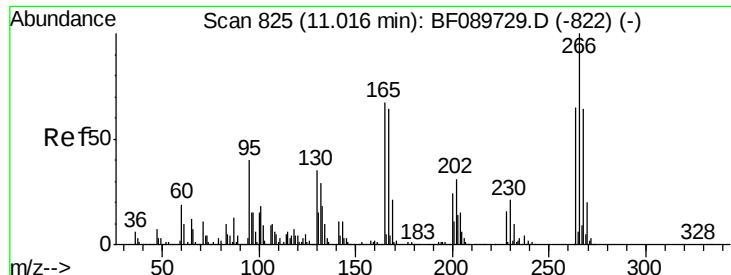
Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.4	6.6	46.6
215	45.5	24.7	64.7





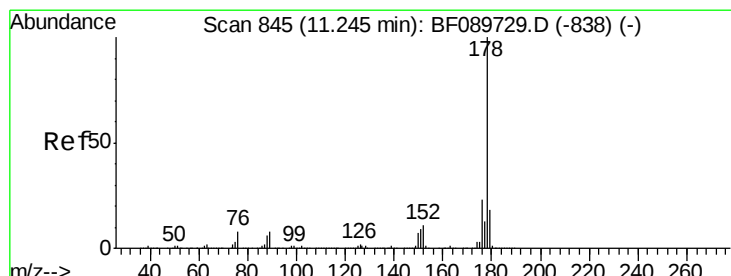
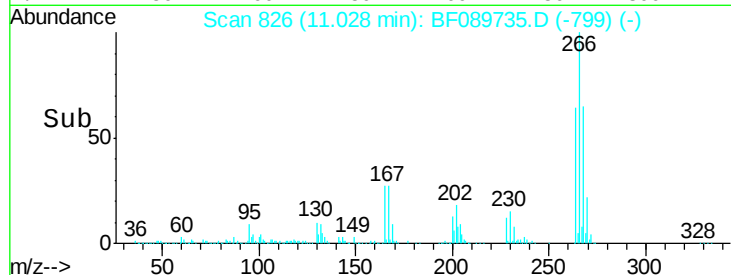
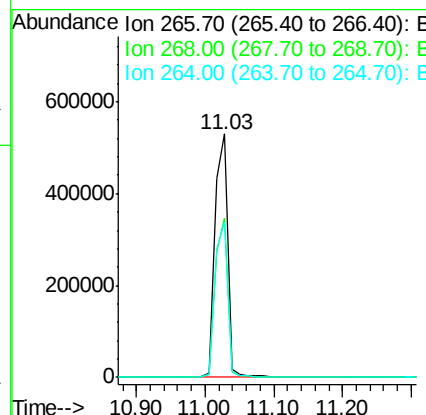
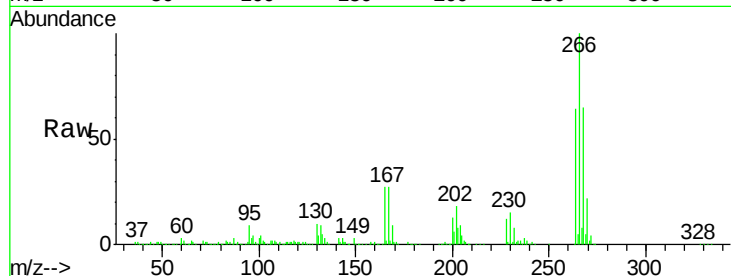
#69
 Pentachlorophenol
 Concen: 40.03 ng
 RT: 11.03 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.5	53.2	79.8
264	63.6	51.1	76.7

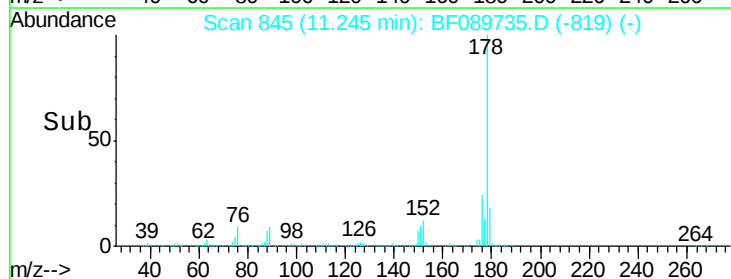
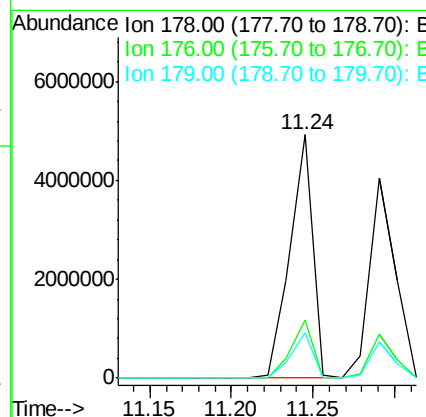
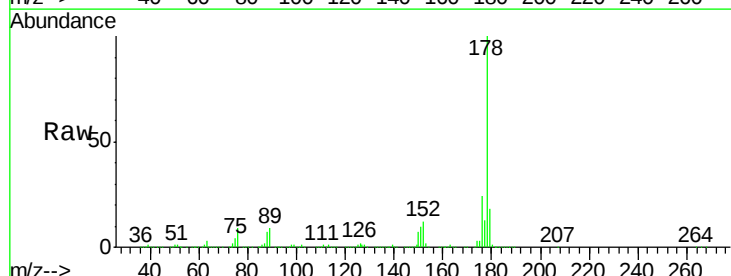
Manual Integrations
 APPROVED

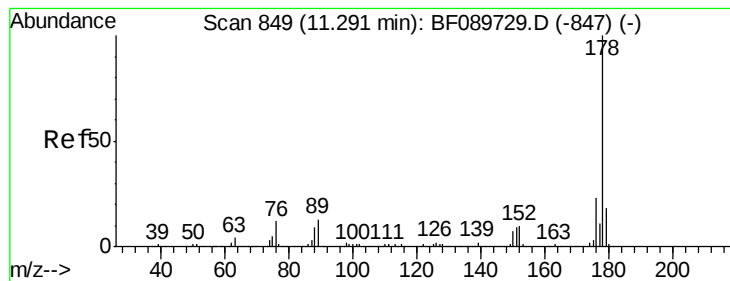
umangi
 8/17/2016 5:58:26 AM



#70
 Phenanthrene
 Concen: 40.47 ng
 RT: 11.24 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.9	16.4	24.6
179	18.3	12.5	18.7





#71

Anthracene

Concen: 35.52 ng

RT: 11.29 min Scan# 849

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 4440161

Ion Ratio Lower Upper

178 100

176 21.8 16.4 24.6

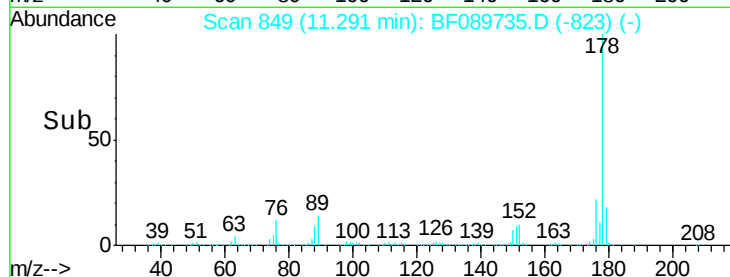
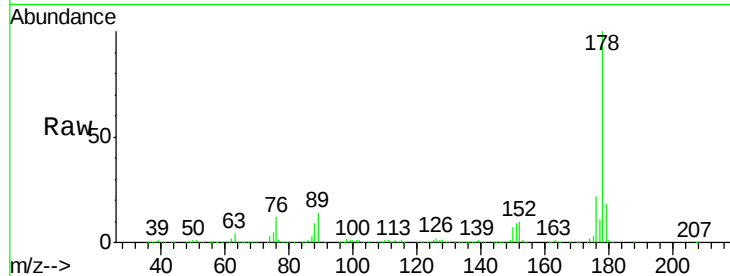
179 18.0 13.1 19.7

Manual Integrations

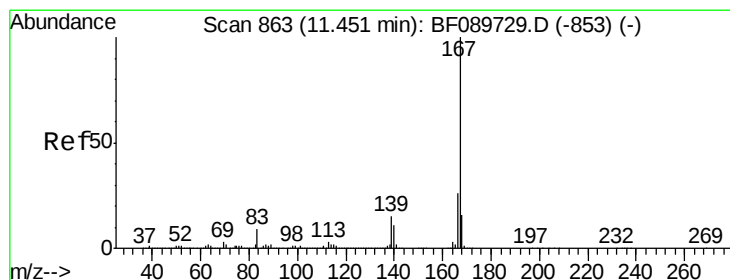
APPROVED

umangi

8/17/2016 5:58:26 AM



Time--> 11.20 11.30 11.40



#72

Carbazole

Concen: 39.61 ng

RT: 11.45 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

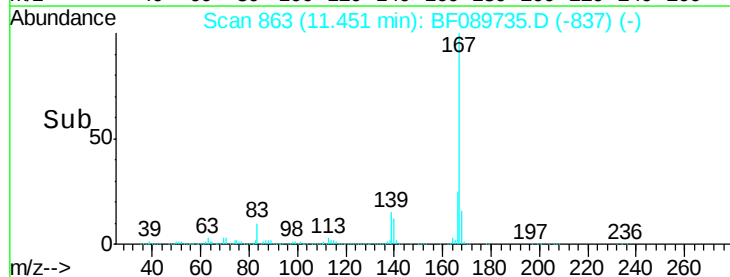
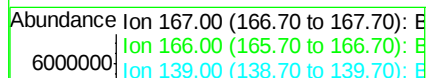
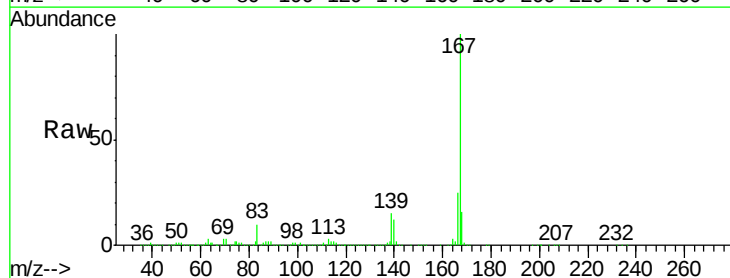
Tgt Ion:167 Resp: 4691988

Ion Ratio Lower Upper

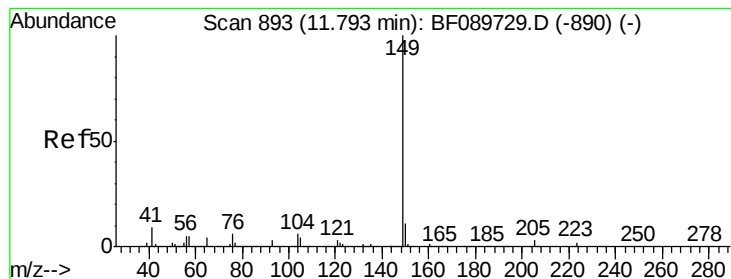
167 100

166 25.4 17.9 26.9

139 15.3 12.4 18.6



Time--> 11.20 11.40 11.60



#73

Di-n-butylphthalate

Concen: 38.59 ng

RT: 11.79 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 5559118

Ion Ratio Lower Upper

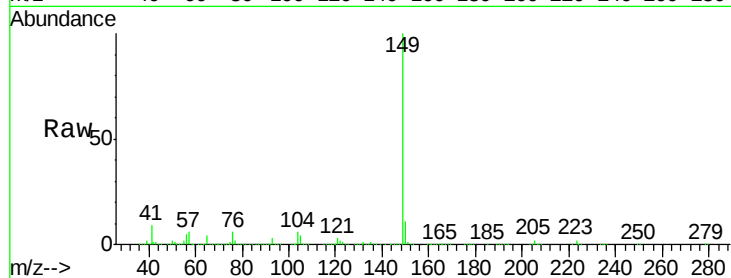
149 100

150 10.8 7.9 11.9

104 6.2 4.3 6.5

Manual Integrations
APPROVED

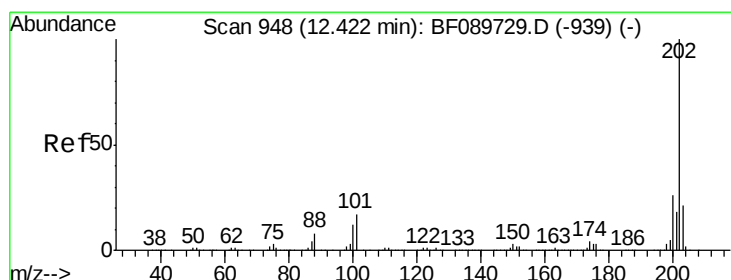
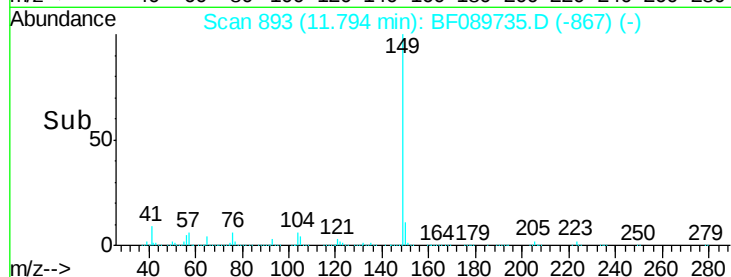
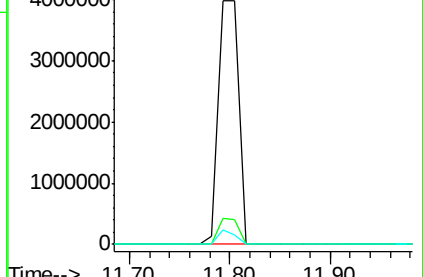
umangi
8/17/2016 5:58:26 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 36.02 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

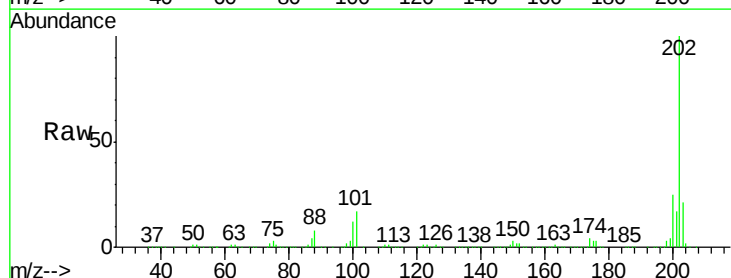
Tgt Ion:202 Resp: 4330179

Ion Ratio Lower Upper

202 100

101 16.7 0.0 31.2

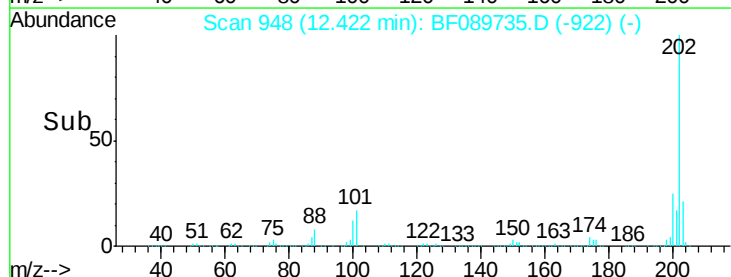
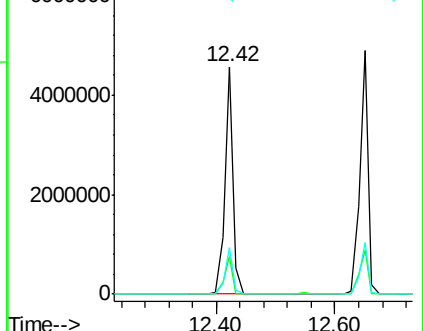
203 20.6 0.0 38.1

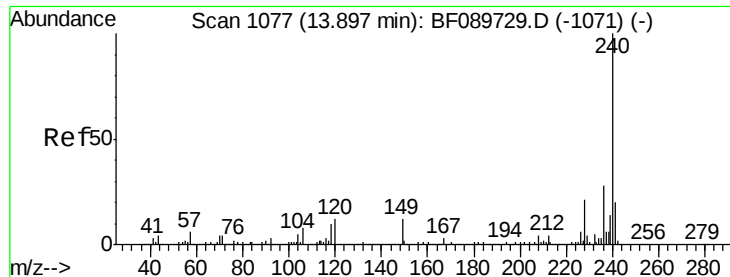


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.02 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:240 Resp: 1983422

Ion Ratio Lower Upper

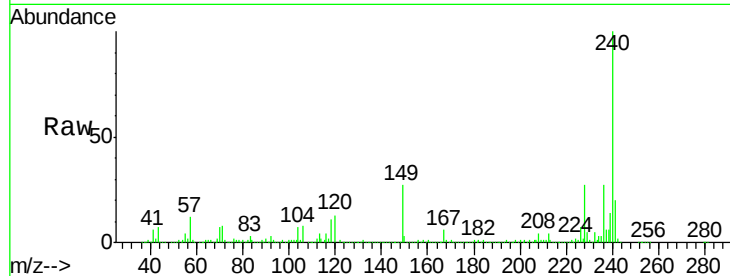
240 100

120 12.8 8.3 12.5#

236 27.4 21.3 31.9

Manual Integrations
APPROVED

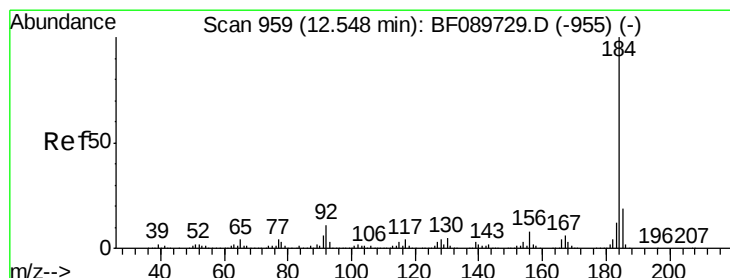
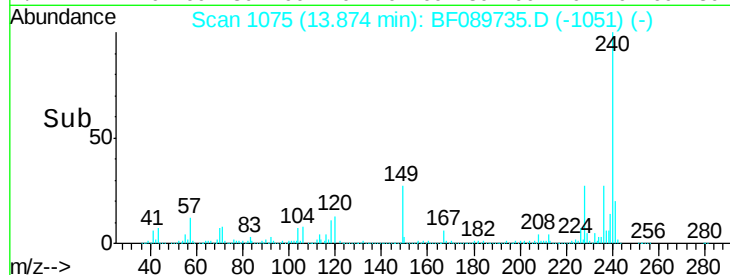
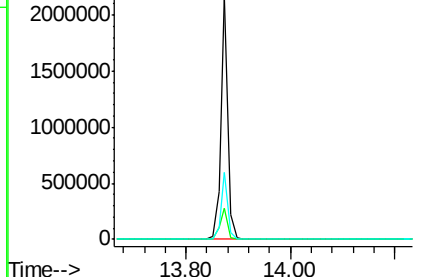
umangi
8/17/2016 5:58:26 AM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 35.12 ng

RT: 12.55 min Scan# 959

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

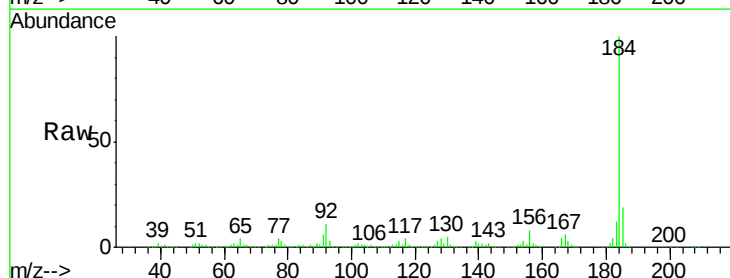
Tgt Ion:184 Resp: 2500454

Ion Ratio Lower Upper

184 100

185 18.8 13.8 20.8

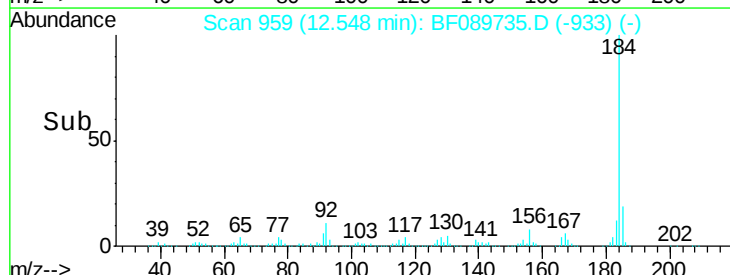
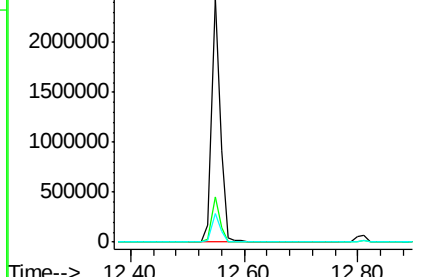
183 12.0 9.7 14.5

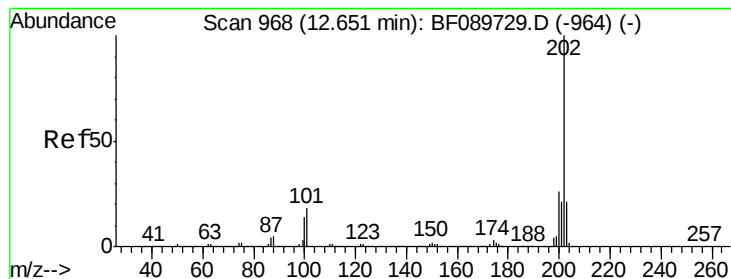


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 36.73 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 4767042

Ion Ratio Lower Upper

202 100

200 26.3 17.8 26.6

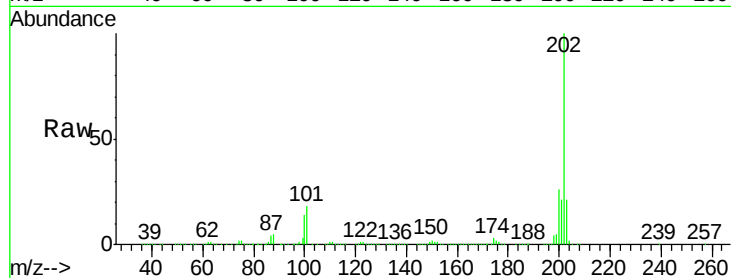
203 21.1 14.2 21.4

Manual Integrations

APPROVED

umangi

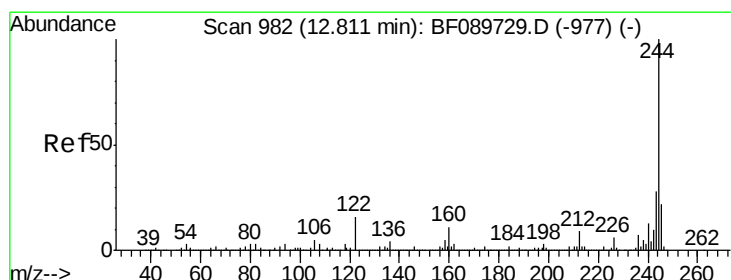
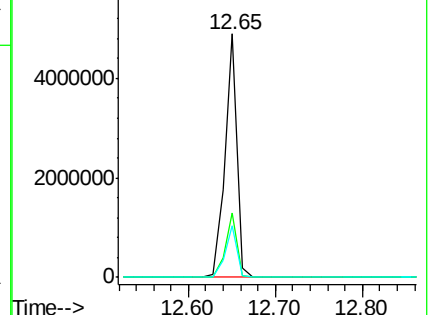
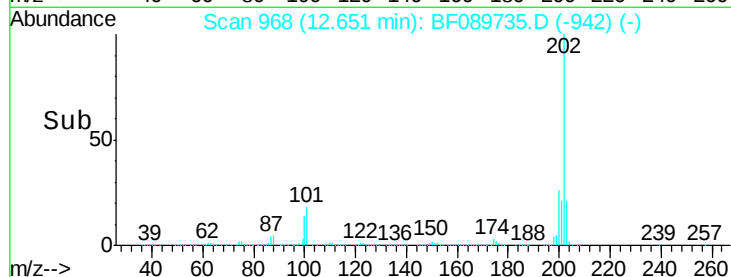
8/17/2016 5:58:26 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.80 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

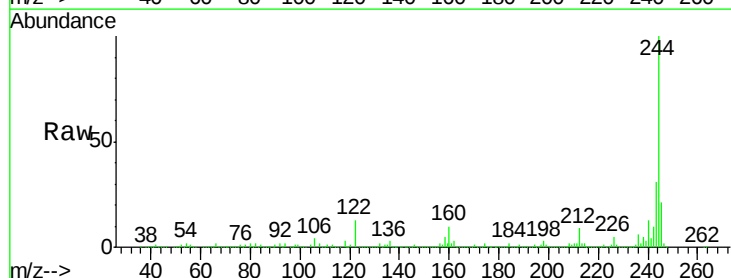
Tgt Ion:244 Resp: 5098599

Ion Ratio Lower Upper

244 100

212 8.9 6.3 9.5

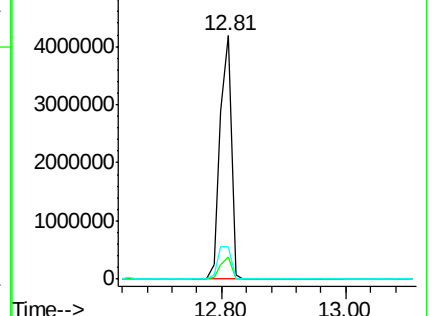
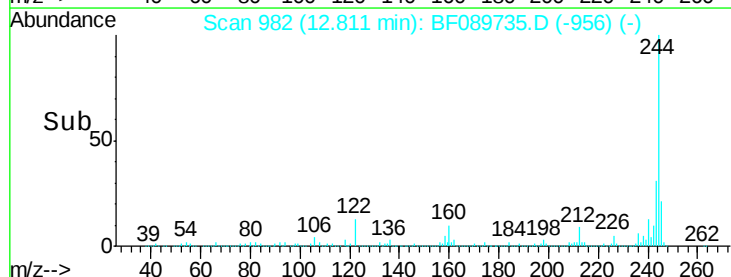
122 13.2 12.0 18.0

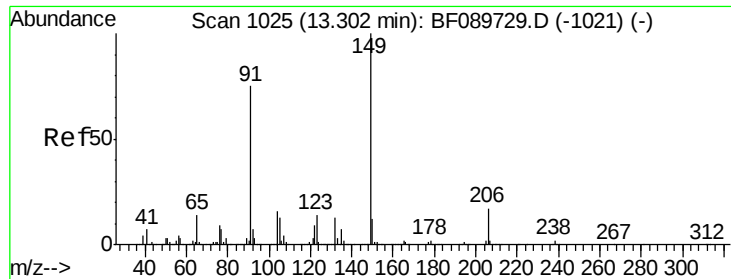


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





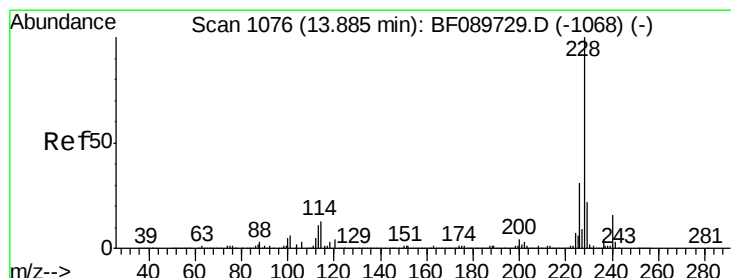
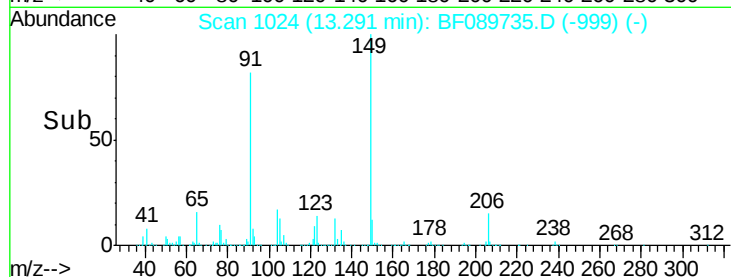
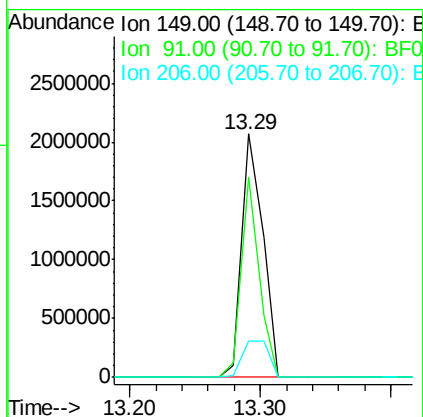
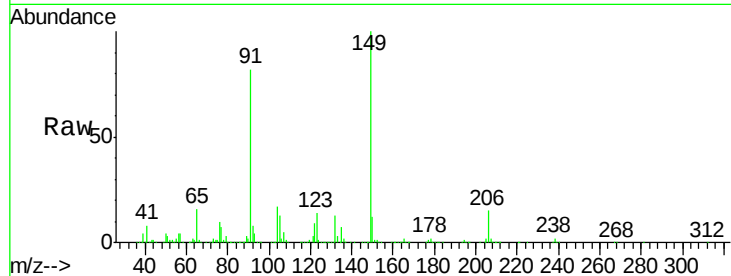
#79
Butylbenzylphthalate
Concen: 35.56 ng
RT: 13.29 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2315761
Ion Ratio Lower Upper
149 100
91 82.3 50.7 76.1#
206 15.0 15.5 23.3#

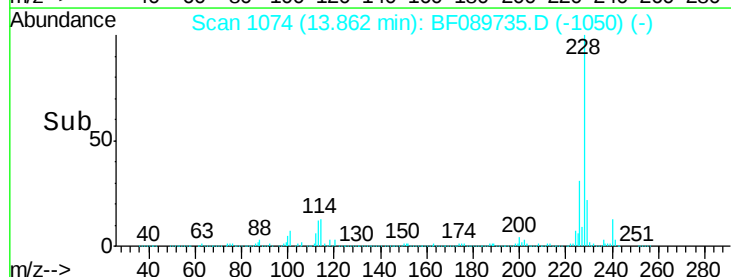
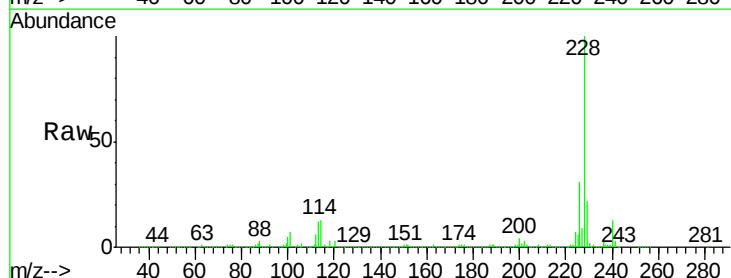
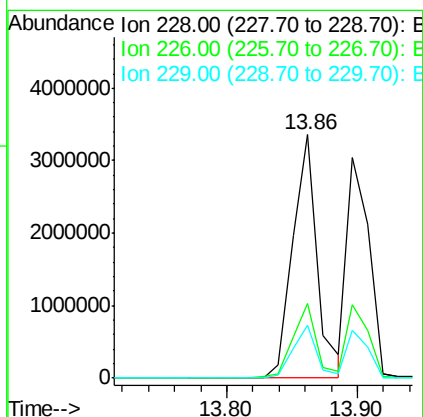
Manual Integrations
APPROVED

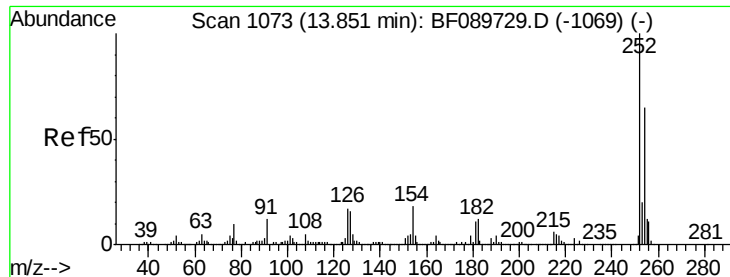
umangi
8/17/2016 5:58:26 AM



#80
Benzo(a)anthracene
Concen: 38.14 ng
RT: 13.86 min Scan# 1074
Delta R.T. -0.02 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion:228 Resp: 4394611
Ion Ratio Lower Upper
228 100
226 30.7 23.2 34.8
229 21.9 16.2 24.4





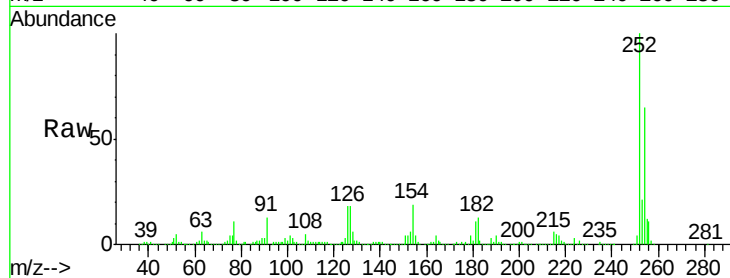
#81
 3,3'-Dichlorobenzidine
 Concen: 38.01 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

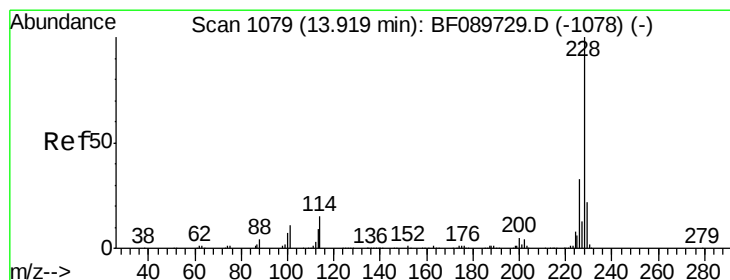
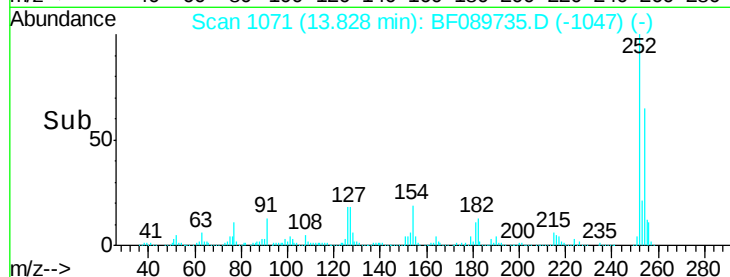
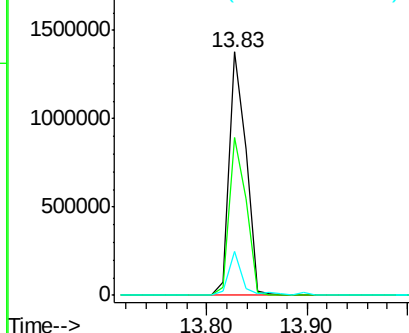
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	75.8
126	18.1	12.6	18.8

Manual Integrations
 APPROVED

umangi
 8/17/2016 5:58:26 AM



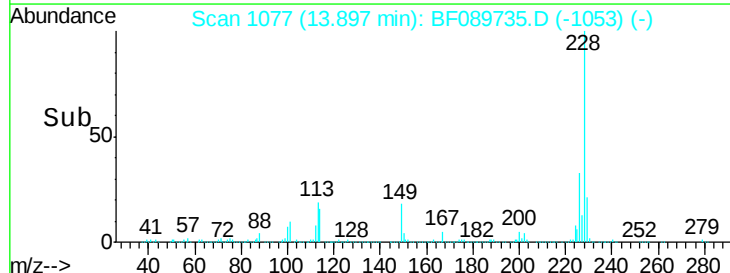
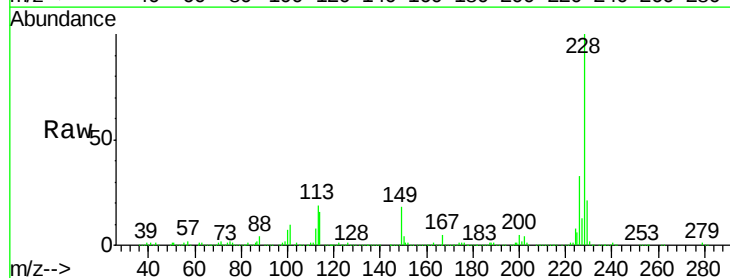
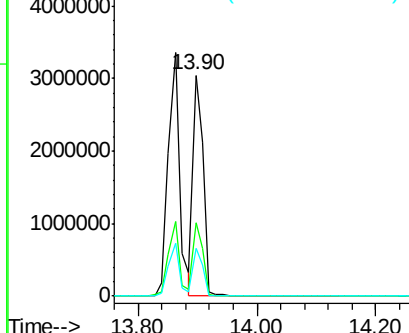
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

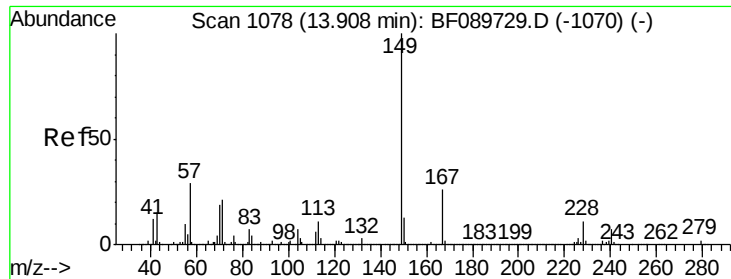


#82
 Chrysene
 Concen: 35.29 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	25.4	38.0
229	21.5	16.5	24.7

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





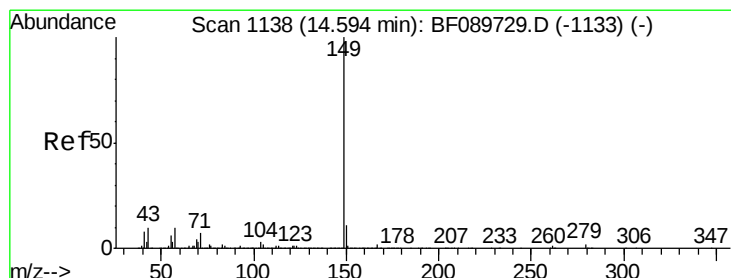
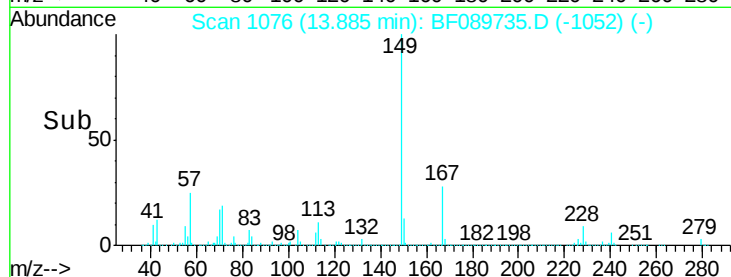
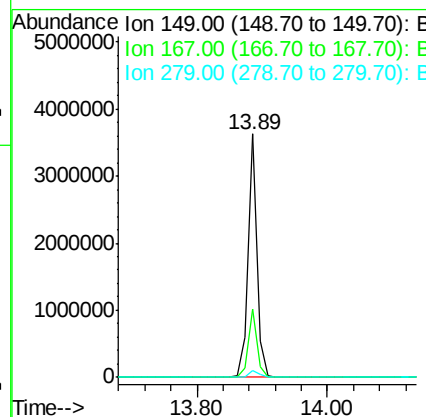
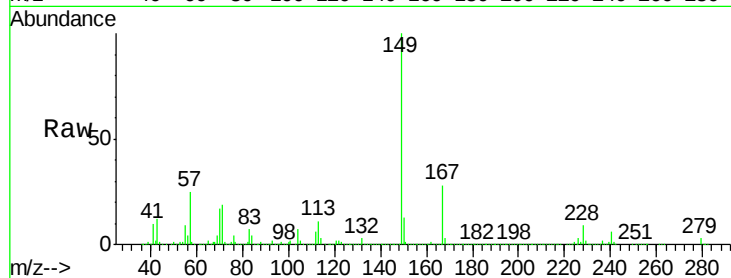
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 38.50 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. -0.02 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion:149 Resp: 3317779
 Ion Ratio Lower Upper
 149 100
 167 27.9 21.2 31.8
 279 2.7 2.9 4.3#

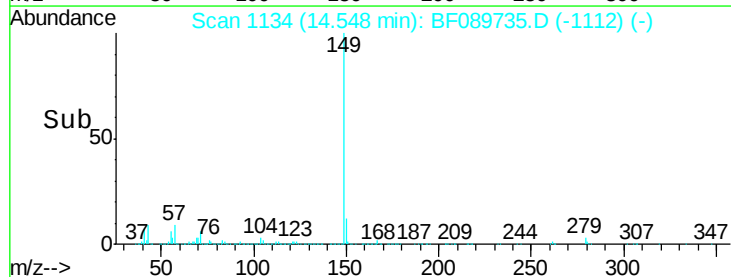
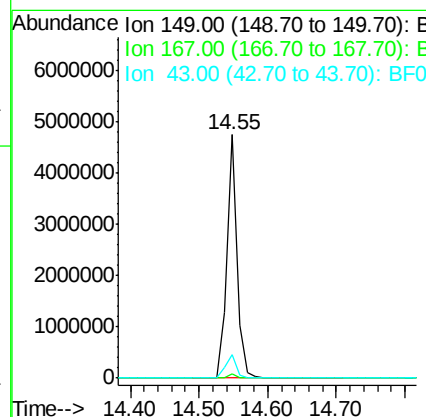
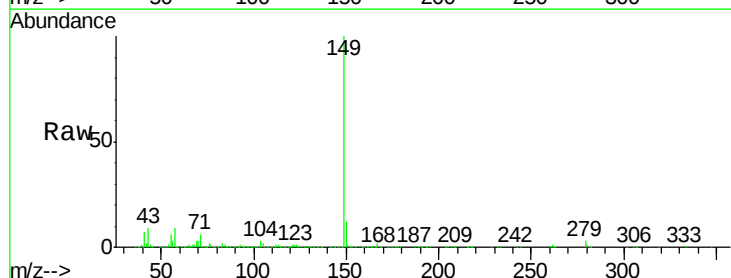
Manual Integrations
 APPROVED

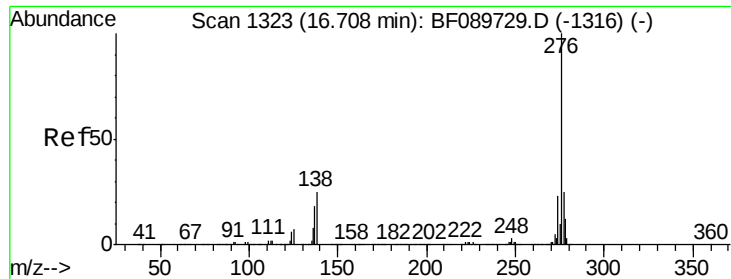
umangi
 8/17/2016 5:58:26 AM



#84
 Di-n-octyl phthalate
 Concen: 37.24 ng
 RT: 14.55 min Scan# 1134
 Delta R.T. -0.04 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion:149 Resp: 4987740
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 9.9 8.4 12.6





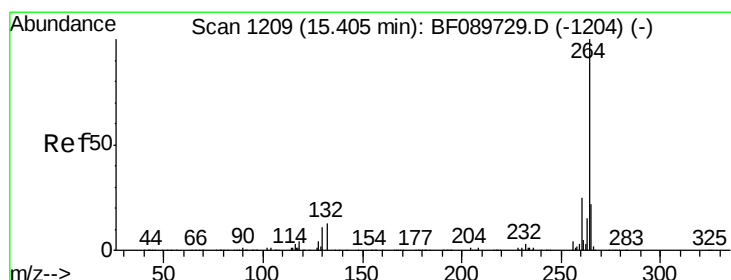
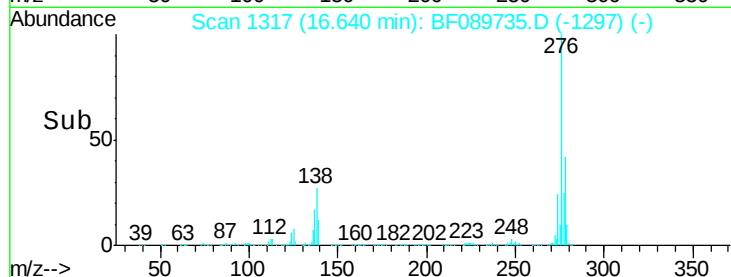
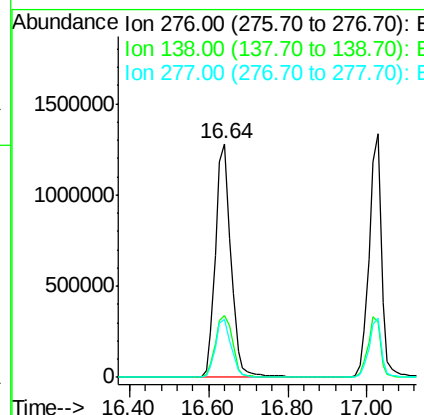
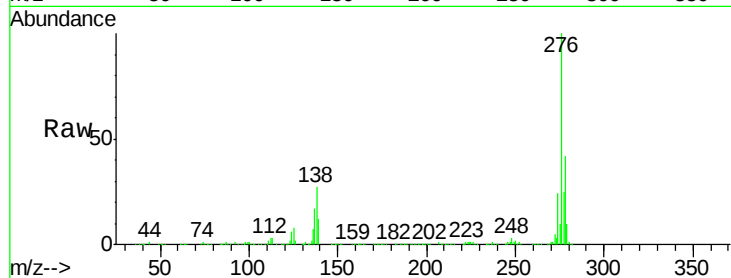
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.91 ng
 RT: 16.64 min Scan# 1317
 Delta R.T. -0.07 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion: 276 Resp: 3438018
 Ion Ratio Lower Upper
 276 100
 138 29.9 24.6 36.8
 277 25.4 20.4 30.6

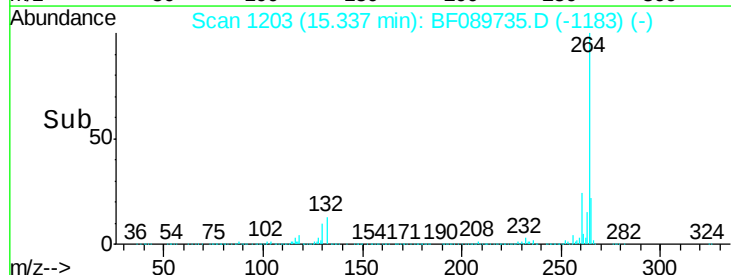
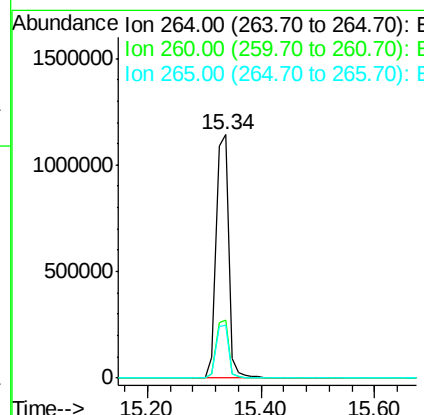
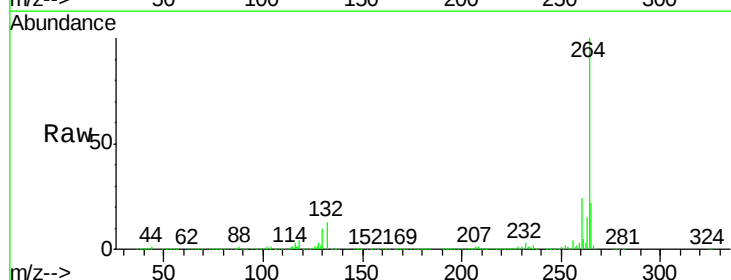
Manual Integrations
 APPROVED

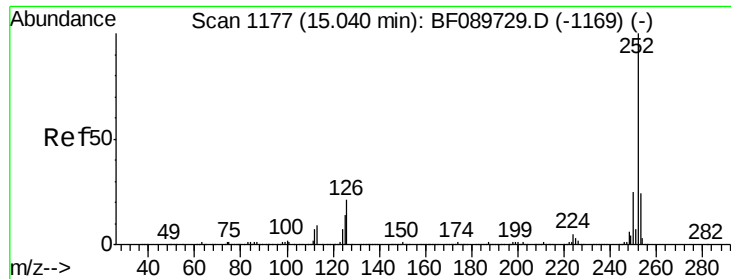
umangi
 8/17/2016 5:58:26 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 1203
 Delta R.T. -0.07 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion: 264 Resp: 1713950
 Ion Ratio Lower Upper
 264 100
 260 24.0 20.2 30.2
 265 21.6 17.4 26.2





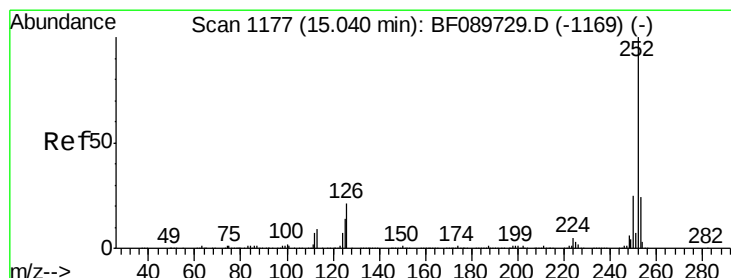
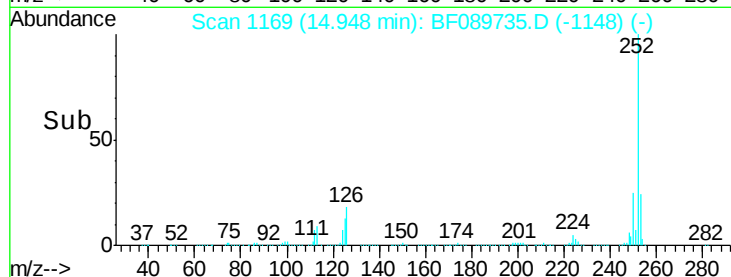
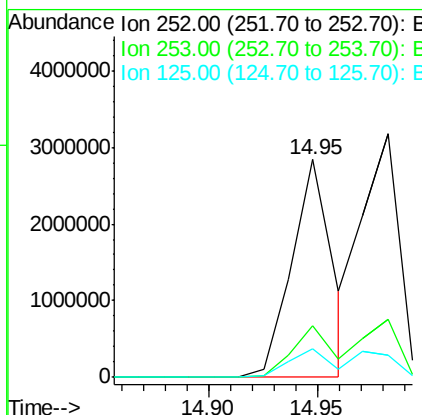
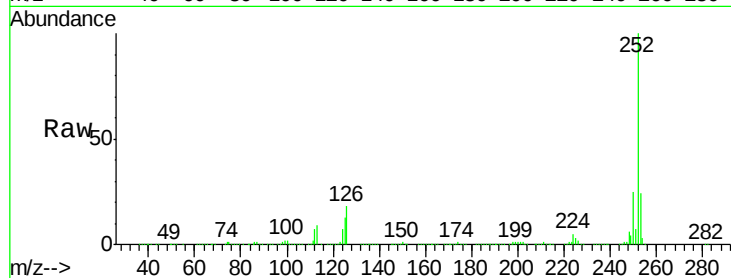
#87
Benzo(b)fluoranthene
Concen: 33.77 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3667836
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 13.3 11.4 17.2

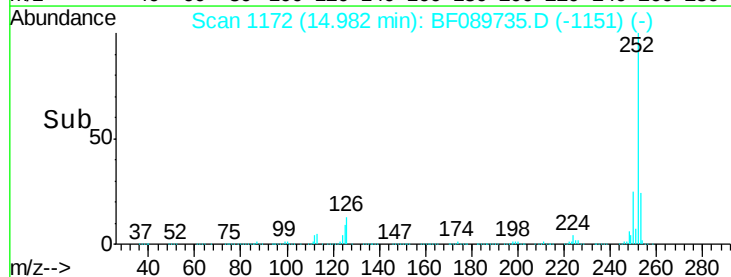
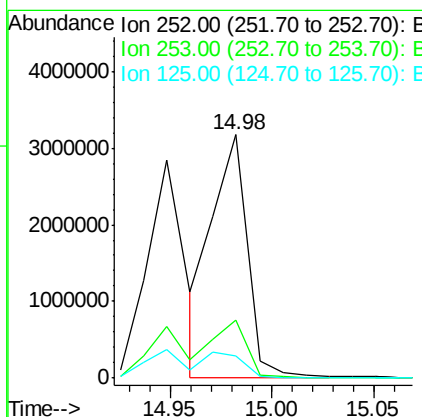
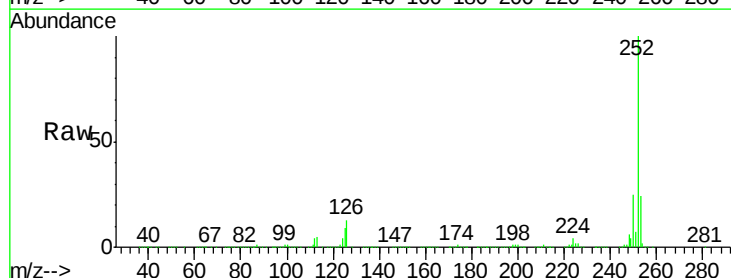
Manual Integrations
APPROVED

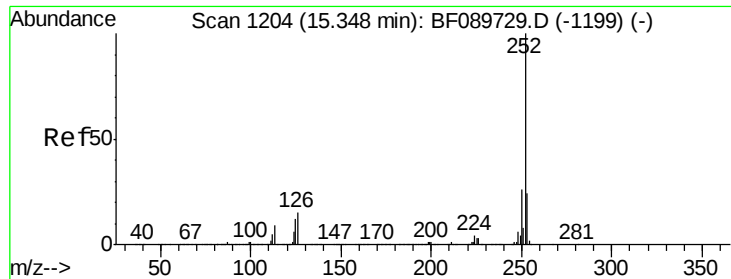
umangi
8/17/2016 5:58:26 AM



#88
Benzo(k)fluoranthene
Concen: 43.19 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.06 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion:252 Resp: 3860808
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 9.0 9.8 14.6#





#89

Benzo(a)pyrene

Concen: 39.35 ng

RT: 15.28 min Scan# 1198

Delta R.T. -0.07 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 3528206

Ion Ratio Lower Upper

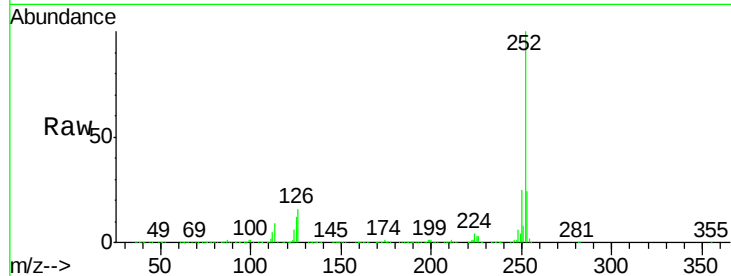
252 100

253 23.5 17.8 26.8

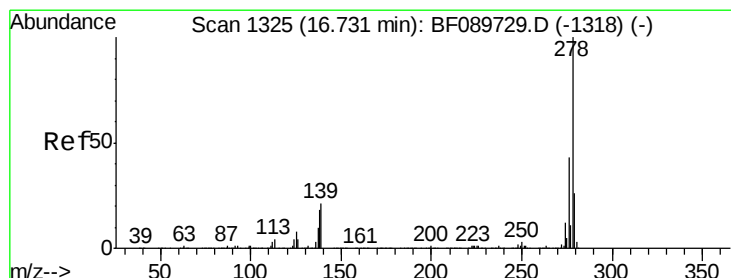
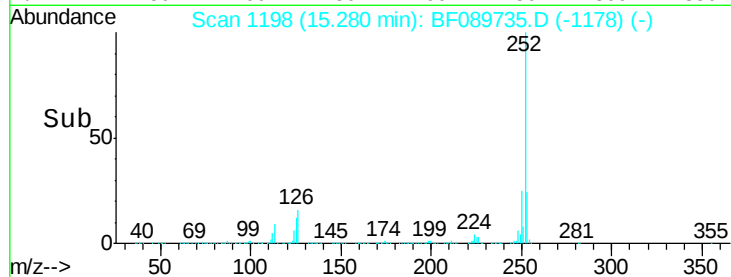
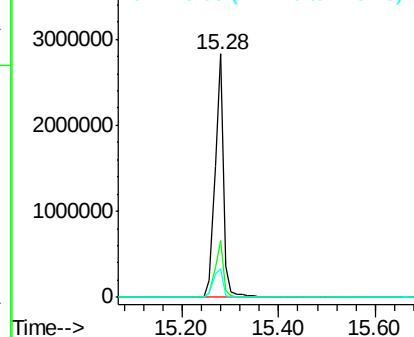
125 12.0 11.7 17.5

Manual Integrations
APPROVED

umangi
8/17/2016 5:58:26 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 40.04 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.07 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

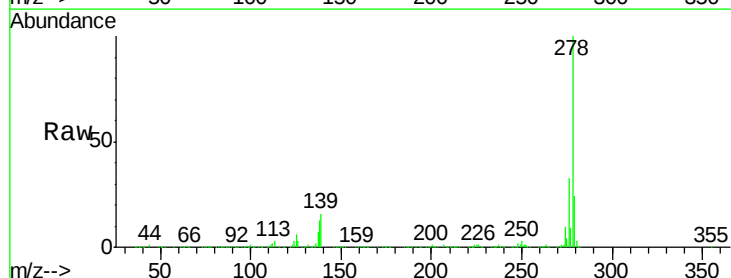
Tgt Ion:278 Resp: 2827153

Ion Ratio Lower Upper

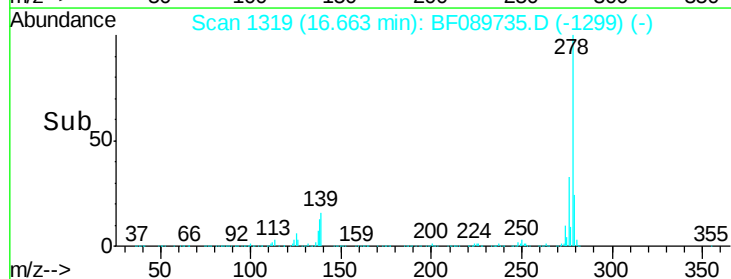
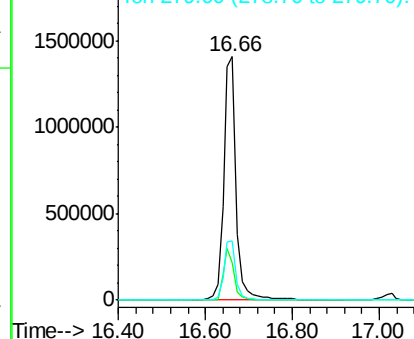
278 100

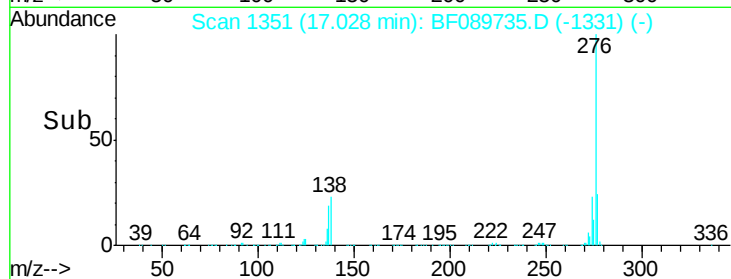
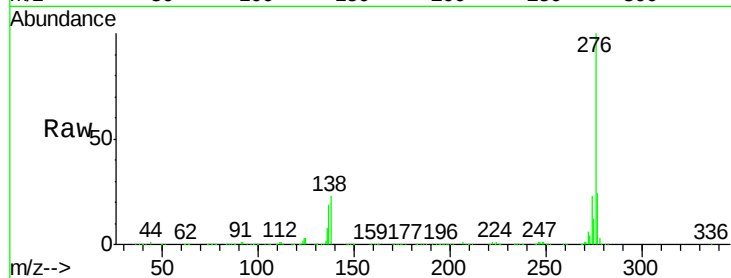
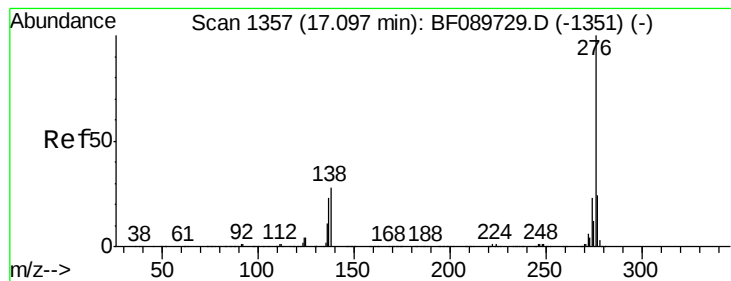
139 15.6 14.9 22.3

279 24.5 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 39.33 ng

RT: 17.03 min Scan# 1351

Delta R.T. -0.07 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Tgt Ion: 276 Resp: 2825671

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 22.6 22.1 33.1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

umangi

8/17/2016 5:58:26 AM

