

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089643.D
 Acq On : 5 Aug 2016 22:15
 Operator : UM/SJ
 Sample : H4346-04MSD
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:19:39 AM

Quant Time: Aug 06 00:16:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	44367	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	178930	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	73995	20.00	ng	0.00
63) Phenanthrene-d10	14.70	188	112371	20.00	ng	0.00
75) Chrysene-d12	18.39	240	86539	20.00	ng	0.00
86) Perylene-d12	20.05	264	75704	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	401453	151.66	ng	0.04
7) Phenol-d6	7.00	99	516586	143.86	ng	0.02
23) Nitrobenzene-d5	8.36	82	327859	101.35	ng	0.00
41) 2,4,6-Tribromophenol	13.60	330	80780	132.29	ng	0.01
44) 2-Fluorobiphenyl	11.26	172	530895	93.25	ng	0.00
78) Terphenyl-d14	17.05	244	313390	71.49	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.82	88	50197	33.08	ng	# 89
3) Pyridine	2.38	79	134297	48.16	ng	98
4) n-Nitrosodimethylamine	2.35	42	59368	48.67	ng	97
6) Aniline	6.95	93	119795	25.74	ng	98
8) 2-Chlorophenol	7.13	128	161494	49.69	ng	97
9) Benzaldehyde	6.74	77	62916	48.29	ng	93
10) Phenol	7.02	94	199289	54.06	ng	99
11) bis(2-Chloroethyl)ether	7.10	93	151398	47.80	ng	99
12) 1,3-Dichlorobenzene	7.35	146	160372	45.44	ng	99
13) 1,4-Dichlorobenzene	7.47	146	162056	46.03	ng	100
14) 1,2-Dichlorobenzene	7.70	146	159141	42.89	ng	99
15) Benzyl Alcohol	7.74	79	136909	58.15	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.95	45	181327	44.96	ng	96
17) 2-Methylphenol	7.95	107	123102	52.45	ng	94
18) Hexachloroethane	8.23	117	58496	39.43	ng	98
19) n-Nitroso-di-n-propylamine	8.17	70	121204	46.72	ng	96
20) 3+4-Methylphenols	8.22	107	157477	53.15	ng	98
22) Acetophenone	8.12	105	193049	45.26	ng	96
24) Nitrobenzene	8.39	77	160647	52.28	ng	100
25) Isophorone	8.79	82	312508	50.45	ng	99
26) 2-Nitrophenol	8.89	139	75735	53.71	ng	96
27) 2,4-Dimethylphenol	9.04	122	130705	51.56	ng	98
28) bis(2-Chloroethoxy)methane	9.18	93	192052	51.25	ng	99
29) 2,4-Dichlorophenol	9.31	162	120016	50.03	ng	96
30) 1,2,4-Trichlorobenzene	9.40	180	128738	46.99	ng	99
31) Naphthalene	9.51	128	450671	47.39	ng	99
32) Benzoic acid	9.29	122	11291	7.09	ng	89
33) 4-Chloroaniline	9.66	127	35527	9.95	ng	98
34) Hexachlorobutadiene	9.74	225	69585	44.11	ng	97
35) Caprolactam	10.27	113	36145m	51.70	ng	
36) 4-Chloro-3-methylphenol	10.51	107	135181	48.48	ng	93
37) 2-Methylnaphthalene	10.64	142	275228	47.06	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	103829	37.33	ng	99
40) Hexachlorocyclopentadiene	10.89	237	11959	20.07	ng	97

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089643.D
 Acq On : 5 Aug 2016 22:15
 Operator : UM/SJ
 Sample : H4346-04MSD
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

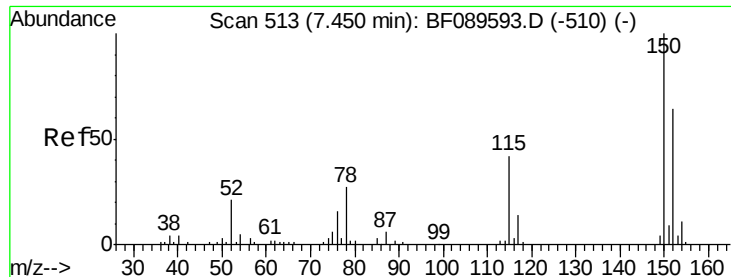
Manual Integrations
 APPROVED

umangi
 8/8/2016 9:19:39 AM

Quant Time: Aug 06 00:16:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.13	196	75678	55.17	ng	97
43) 2,4,5-Trichlorophenol	11.21	196	82405	56.21	ng	97
45) 1,1'-Biphenyl	11.41	154	291449	43.68	ng	99
46) 2-Chloronaphthalene	11.42	162	243497	48.67	ng	99
47) 2-Nitroaniline	11.63	65	78809	48.87	ng	# 84
48) Acenaphthylene	12.07	152	382743	46.44	ng	100
49) Dimethylphthalate	11.97	163	546175	94.17	ng	99
50) 2,6-Dinitrotoluene	12.05	165	62965	54.60	ng	# 80
51) Acenaphthene	12.35	154	222995	46.84	ng	99
52) 3-Nitroaniline	12.31	138	40066	29.05	ng	96
53) 2,4-Dinitrophenol	12.53	184	6807	21.78	ng	# 81
54) Dibenzofuran	12.64	168	332848	50.86	ng	100
55) 4-Nitrophenol	12.69	139	64377m	102.02	ng	
56) 2,4-Dinitrotoluene	12.71	165	78327	48.29	ng	87
57) Fluorene	13.19	166	257560	46.05	ng	99
58) 2,3,4,6-Tetrachlorophenol	12.88	232	53188m	47.79	ng	
59) Diethylphthalate	13.11	149	295369	49.25	ng	99
60) 4-Chlorophenyl-phenylether	13.22	204	117864	45.95	ng	95
61) 4-Nitroaniline	13.31	138	45606	36.78	ng	99
62) Azobenzene	13.49	77	304446	52.48	ng	99
64) 4,6-Dinitro-2-methylphenol	13.37	198	12459	21.45	ng	86
65) n-Nitrosodiphenylamine	13.44	169	220142	58.00	ng	99
66) 4-Bromophenyl-phenylether	14.01	248	62444	57.45	ng	99
67) Hexachlorobenzene	14.08	284	57134	47.78	ng	# 80
68) Atrazine	14.35	200	64377	60.75	ng	99
69) Pentachlorophenol	14.42	266	49098	95.09	ng	98
70) Phenanthrene	14.73	178	302471	49.50	ng	99
71) Anthracene	14.81	178	316867	48.37	ng	99
72) Carbazole	15.11	167	282063	51.66	ng	100
73) Di-n-butylphthalate	15.70	149	391022	52.95	ng	100
74) Fluoranthene	16.49	202	277691	44.21	ng	99
76) Benzidine	16.73	184	136503	52.04	ng	99
77) Pyrene	16.80	202	285592	37.33	ng	98
79) Butylbenzylphthalate	17.73	149	138032	42.39	ng	94
80) Benzo(a)anthracene	18.38	228	237132	47.69	ng	99
81) 3,3'-Dichlorobenzidine	18.37	252	81636	52.11	ng	96
82) Chrysene	18.42	228	248250	47.59	ng	99
83) Bis(2-ethylhexyl)phthalate	18.48	149	200188	44.41	ng	# 96
84) Di-n-octyl phthalate	19.25	149	349820	53.93	ng	99
85) Indeno(1,2,3-cd)pyrene	21.23	276	175165	44.22	ng	99
87) Benzo(b)fluoranthene	19.65	252	211738m	45.48	ng	
88) Benzo(k)fluoranthene	19.68	252	240436m	51.19	ng	
89) Benzo(a)pyrene	20.00	252	205997	47.25	ng	97
90) Dibenzo(a,h)anthracene	21.25	278	147631	36.25	ng	98
91) Benzo(g,h,i)perylene	21.57	276	138134	33.13	ng	99

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



#1

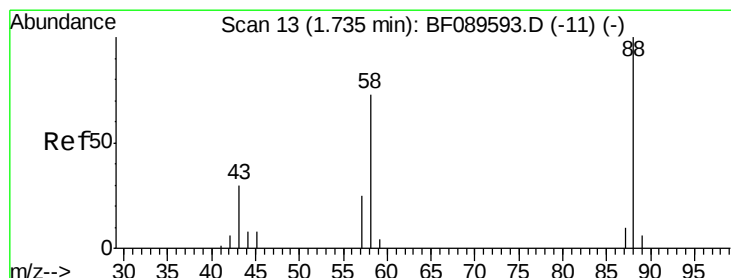
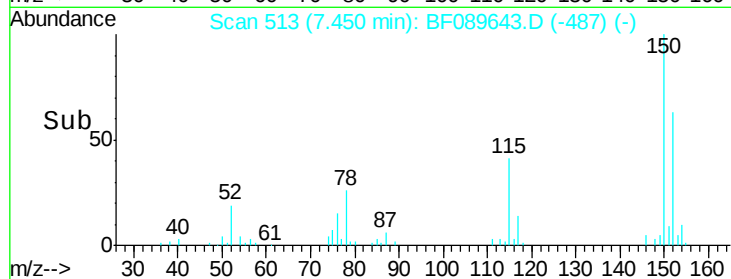
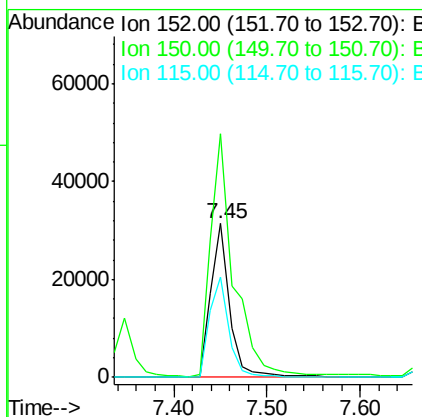
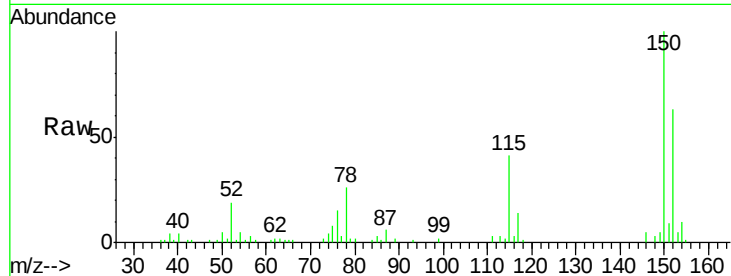
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.45 min Scan# 513
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.5	188.3
115	65.1	52.0	78.0

Manual Integrations
APPROVED

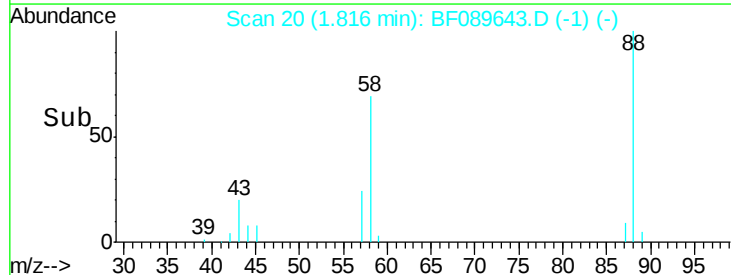
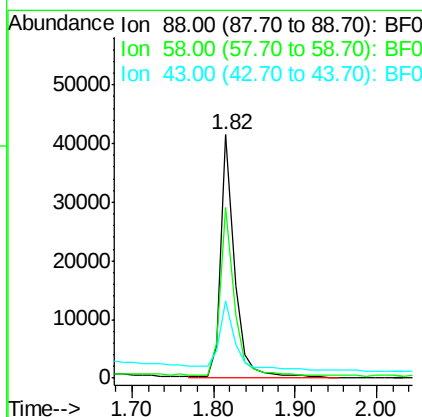
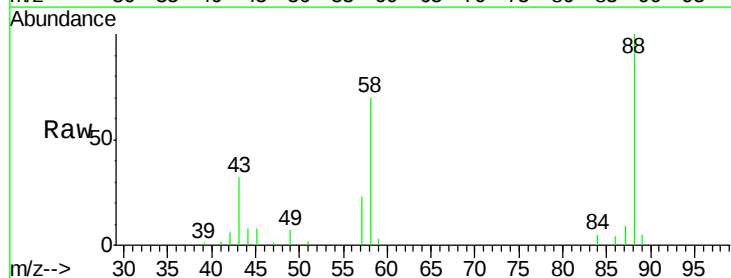
umangi
8/8/2016 9:19:39 AM

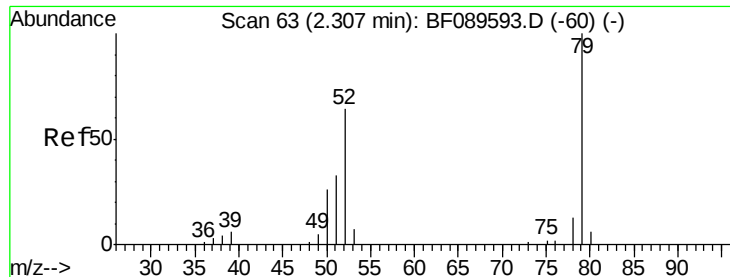


#2

1,4-Dioxane
Concen: 33.08 ng
RT: 1.82 min Scan# 20
Delta R.T. 0.08 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.0	49.8	74.8
43	34.9	20.1	30.1





#3

Pyridine

Concen: 48.16 ng

RT: 2.38 min Scan# 69

Delta R.T. 0.07 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

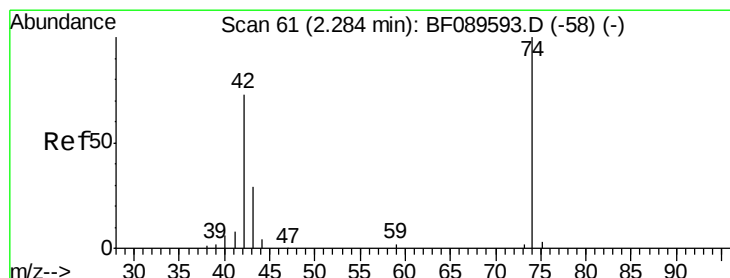
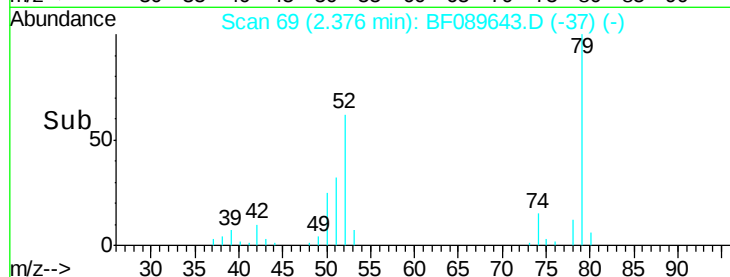
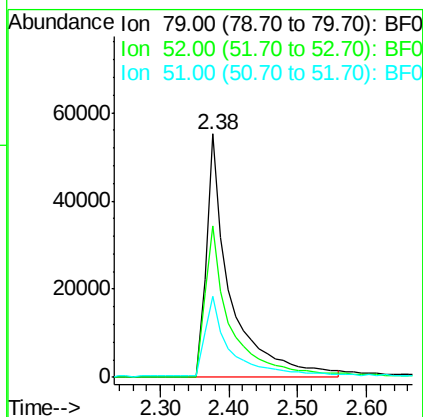
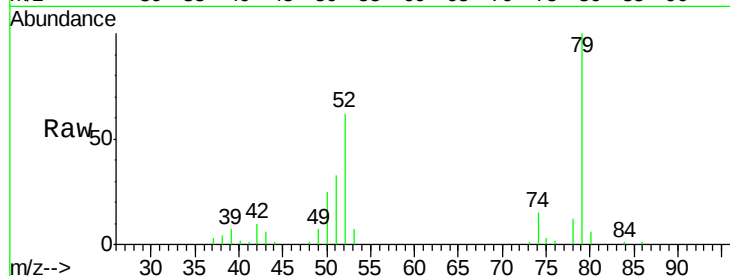
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:	79	Resp:	134297
Ion	Ratio	Lower	Upper
79	100		
52	62.3	51.0	76.4
51	33.2	27.9	41.9

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#4

n-Nitrosodimethylamine

Concen: 48.67 ng

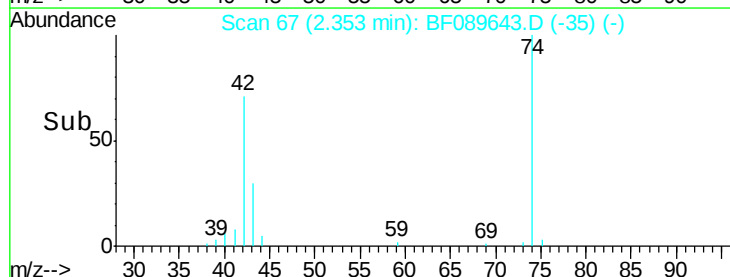
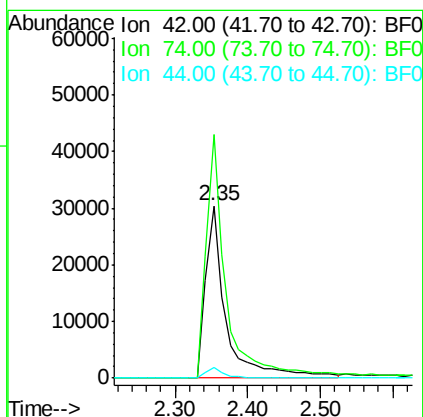
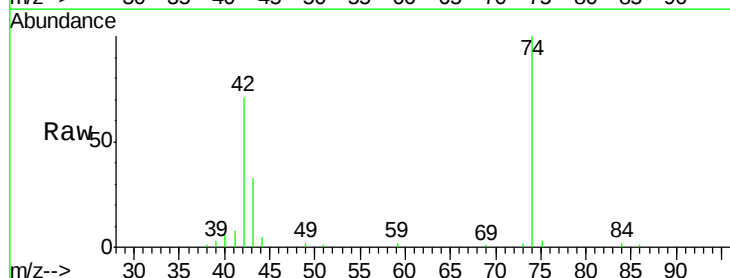
RT: 2.35 min Scan# 67

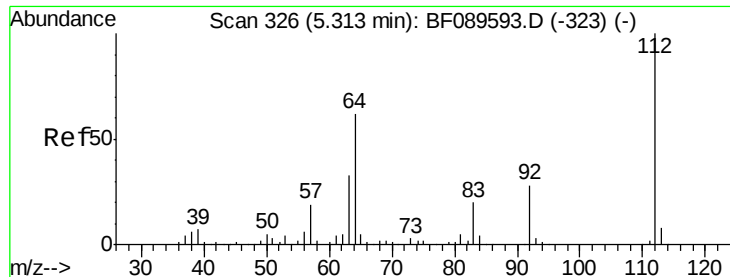
Delta R.T. 0.07 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	42	Resp:	59368
Ion	Ratio	Lower	Upper
42	100		
74	141.5	110.0	165.0
44	6.6	4.8	7.2





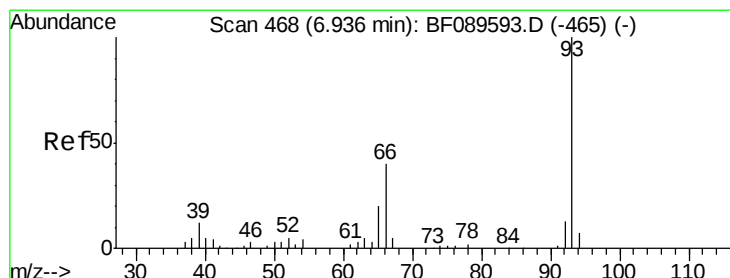
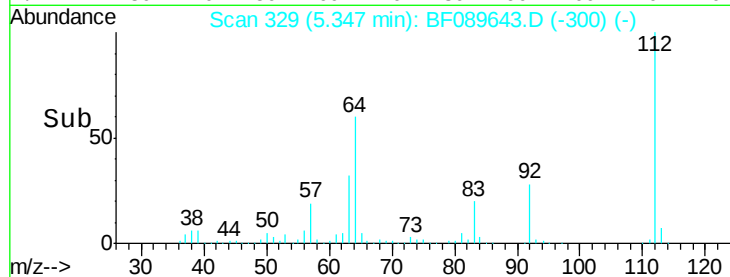
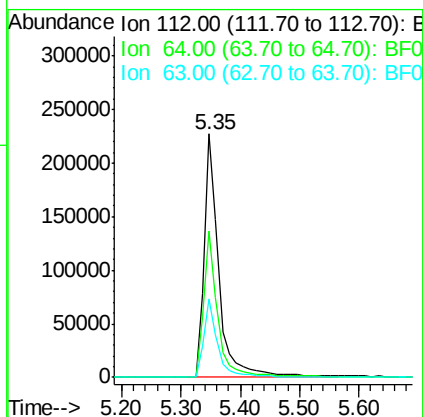
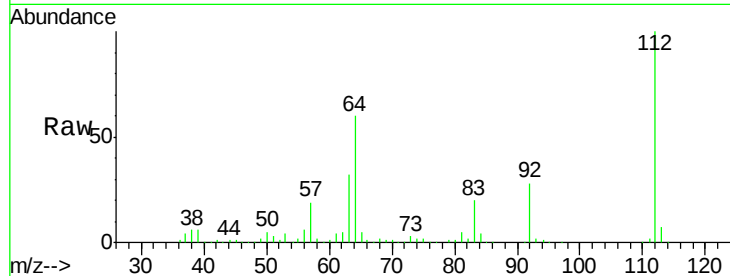
#5
2-Fluorophenol
Concen: 151.66 ng
RT: 5.35 min Scan# 329
Delta R.T. 0.04 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	60.0	49.9	74.9
63	32.1	26.1	39.1

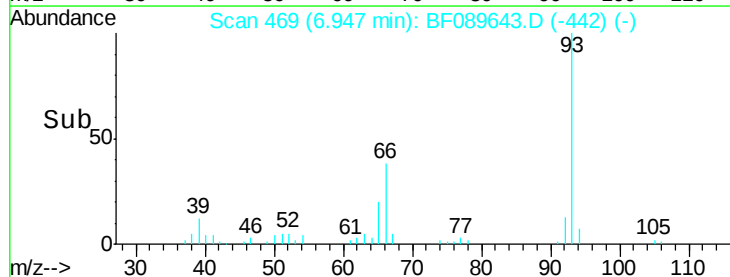
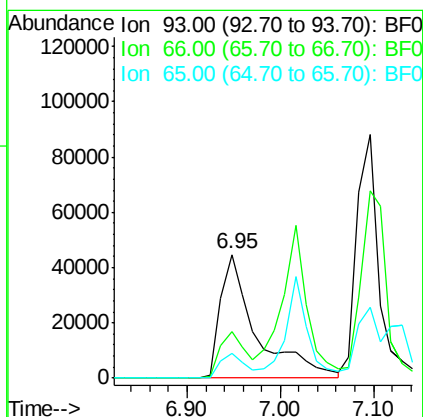
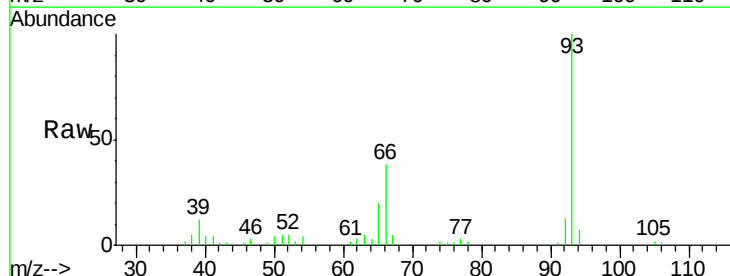
Manual Integrations
APPROVED

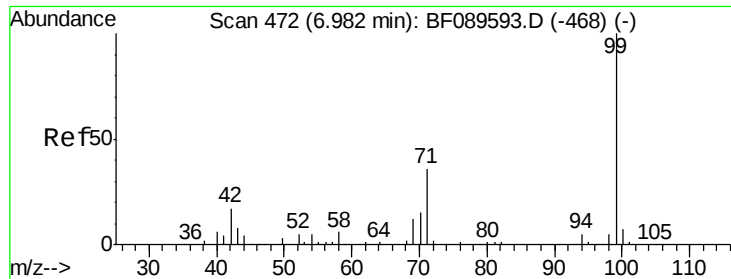
umangi
8/8/2016 9:19:39 AM



#6
Aniline
Concen: 25.74 ng
RT: 6.95 min Scan# 469
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	38.1	32.2	48.2
65	19.9	15.8	23.8





#7

Phenol-d6

Concen: 143.86 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.02 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

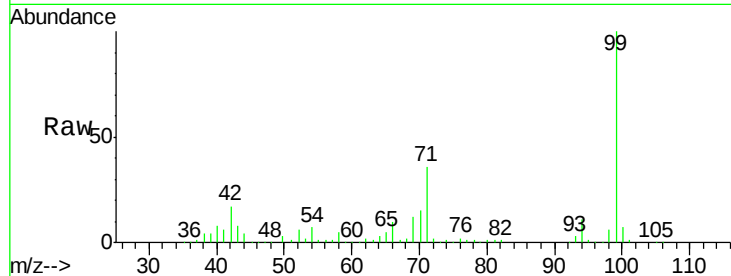
ClientSampleId :

LOCATION-46D-9-11MSD

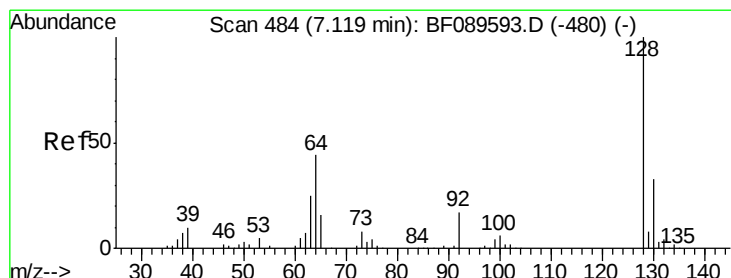
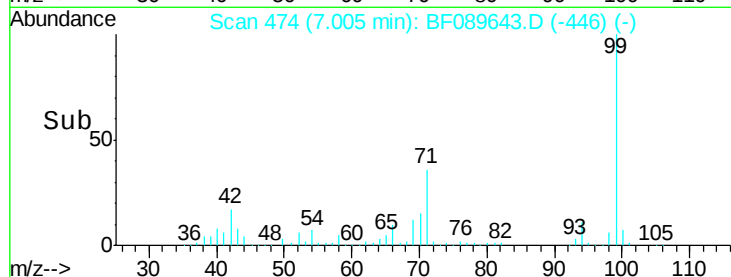
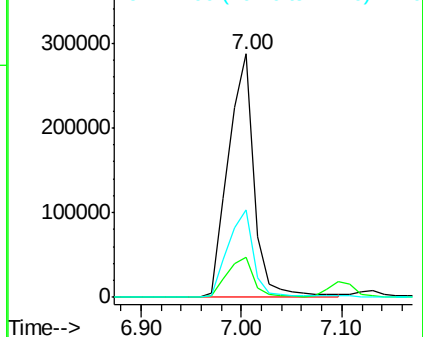
Tgt Ion:	99	Resp:	516586
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.7	20.5
71	35.9	29.0	43.4

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 49.69 ng

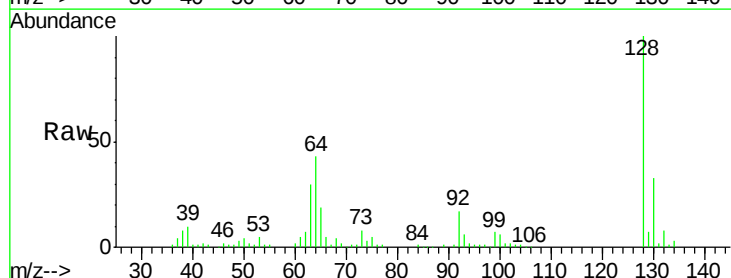
RT: 7.13 min Scan# 485

Delta R.T. 0.01 min

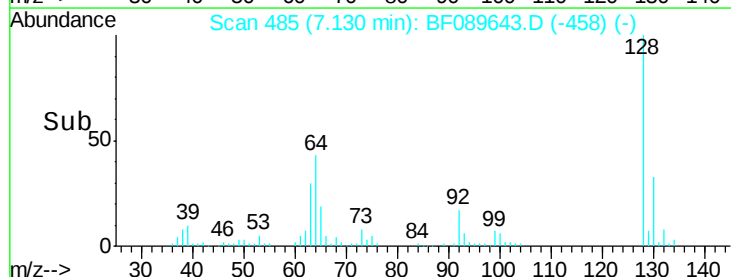
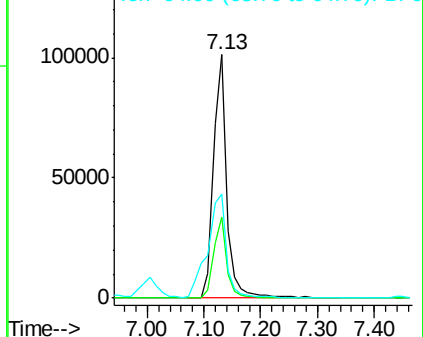
Lab File: BF089643.D

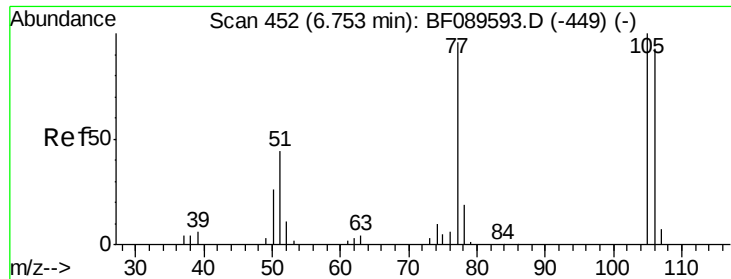
Acq: 5 Aug 2016 22:15

Tgt Ion:	128	Resp:	161494
Ion Ratio	Lower	Upper	
128	100		
130	33.3	12.6	52.6
64	42.5	25.3	65.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 48.29 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

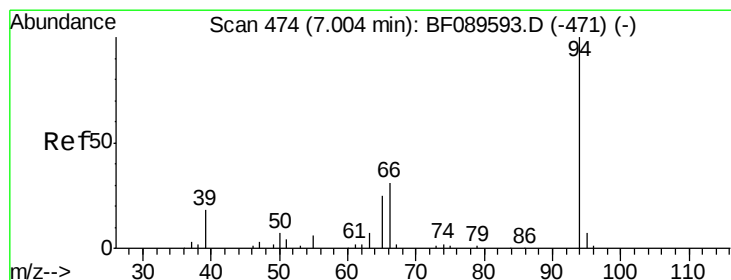
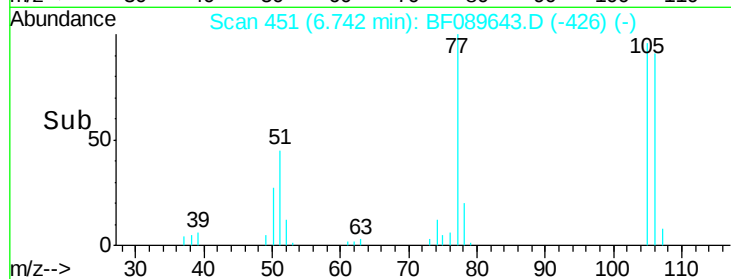
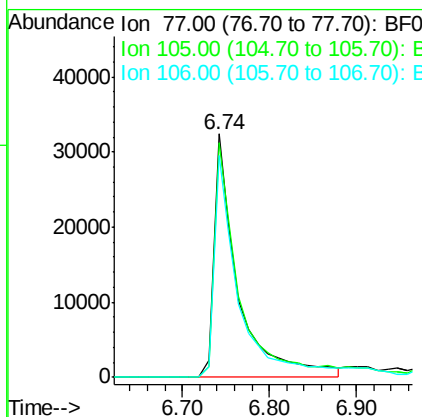
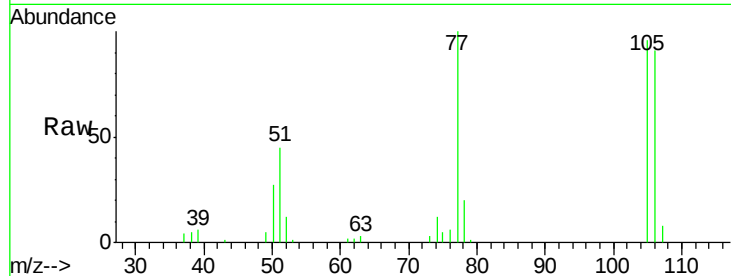
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:	77	Resp:	62916
Ion	Ratio	Lower	Upper
77	100		
105	96.3	84.7	124.7
106	91.0	77.1	117.1

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#10

Phenol

Concen: 54.06 ng

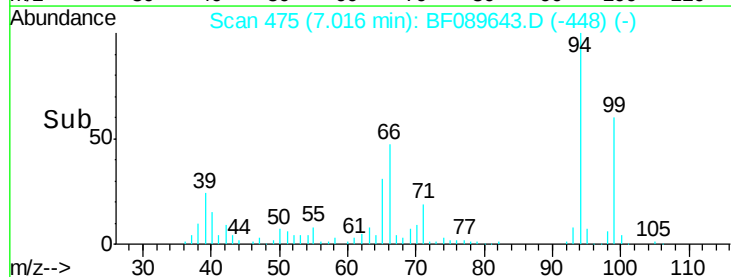
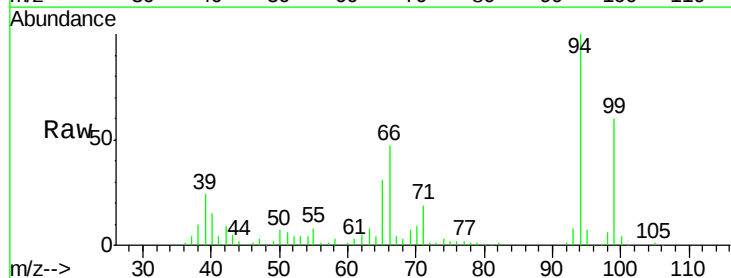
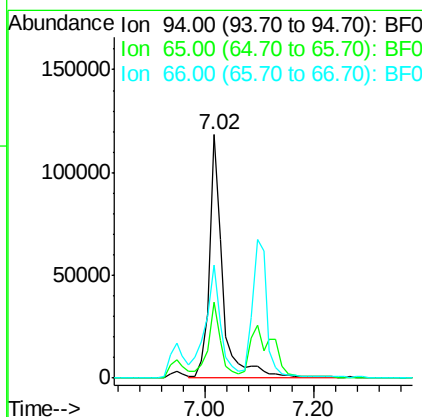
RT: 7.02 min Scan# 475

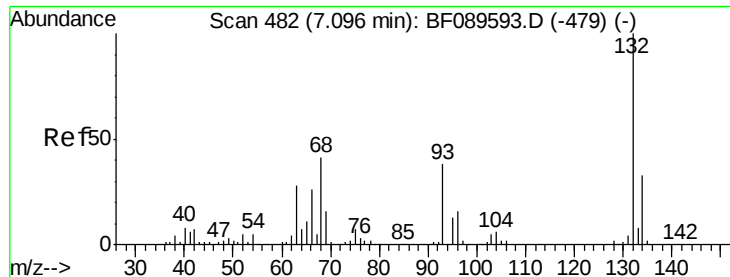
Delta R.T. 0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	94	Resp:	199289
Ion	Ratio	Lower	Upper
94	100		
65	31.0	11.0	51.0
66	46.5	27.4	67.4





#11

bis(2-Chloroethyl)ether

Concen: 47.80 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion: 93 Resp: 151398

Ion Ratio Lower Upper

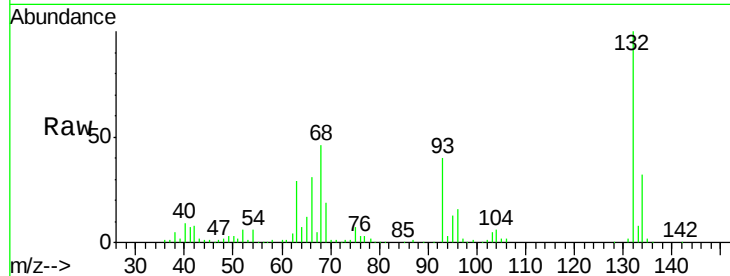
93 100

63 72.5 52.2 92.2

95 32.5 13.1 53.1

Manual Integrations
APPROVED

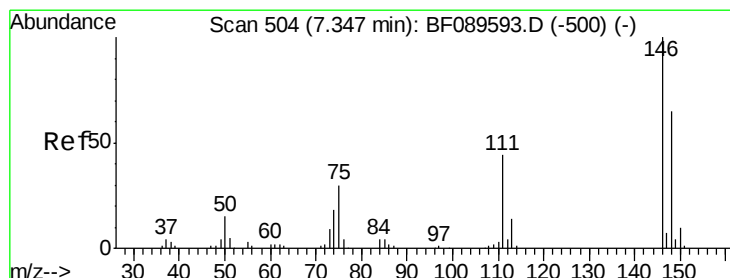
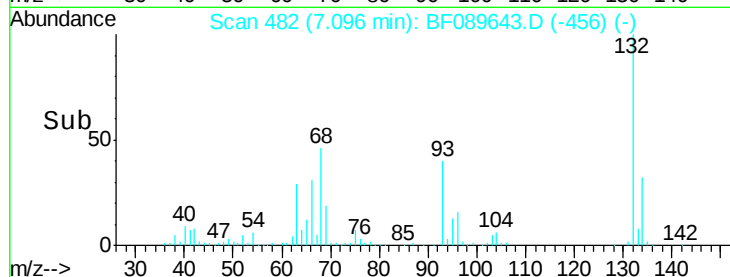
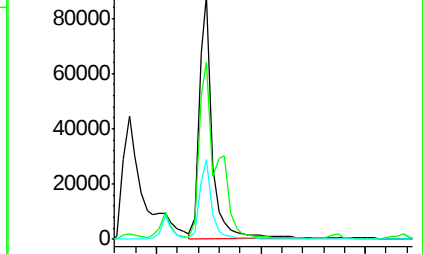
umangi
8/8/2016 9:19:39 AM



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 45.44 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

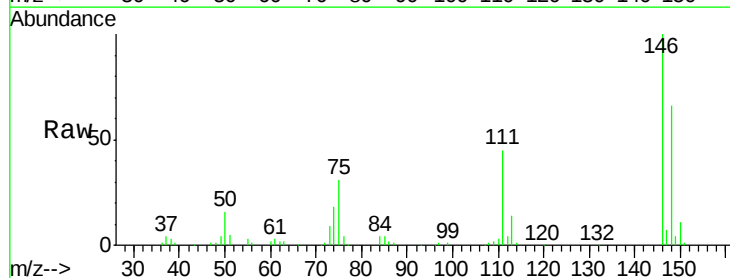
Tgt Ion: 146 Resp: 160372

Ion Ratio Lower Upper

146 100

148 65.7 52.1 78.1

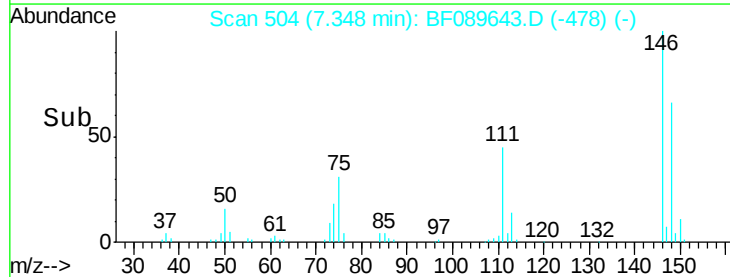
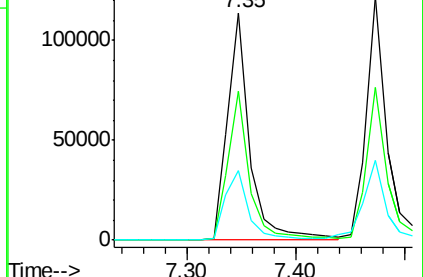
75 30.9 24.1 36.1

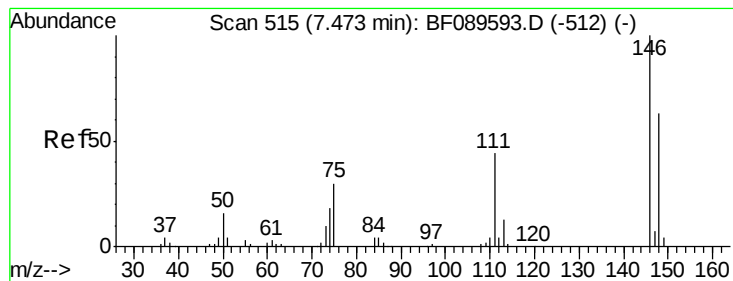


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 46.03 ng

RT: 7.47 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

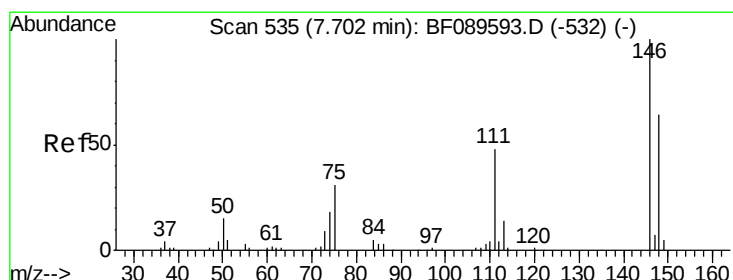
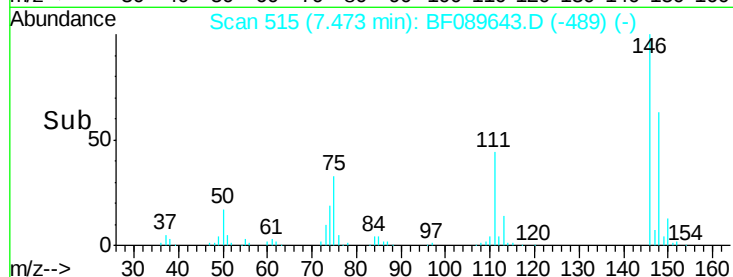
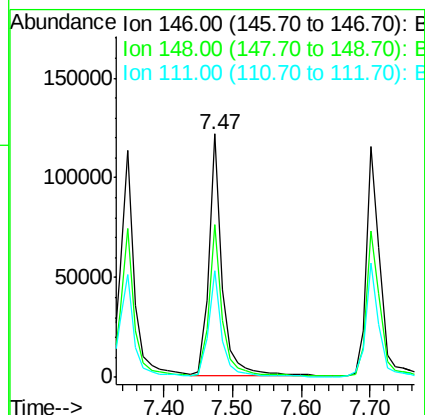
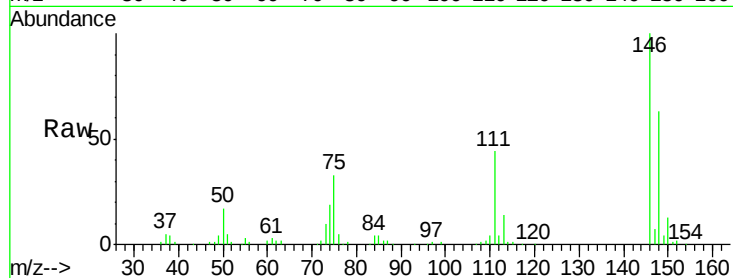
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:	146	Resp:	162056
Ion Ratio	Lower	Upper	
146	100		
148	62.5	50.4	75.6
111	43.9	35.0	52.4

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#14

1,2-Dichlorobenzene

Concen: 42.89 ng

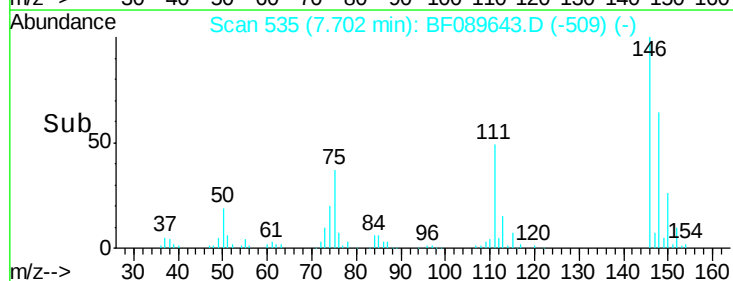
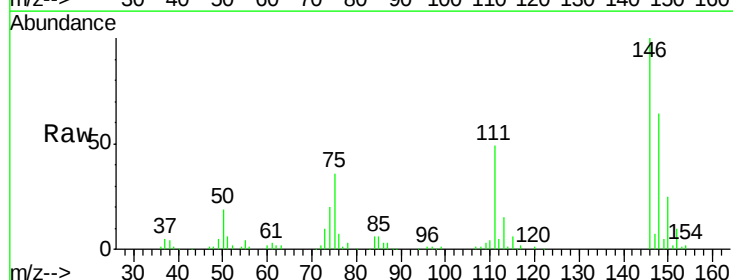
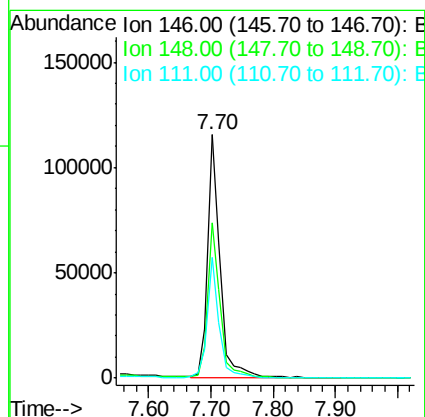
RT: 7.70 min Scan# 535

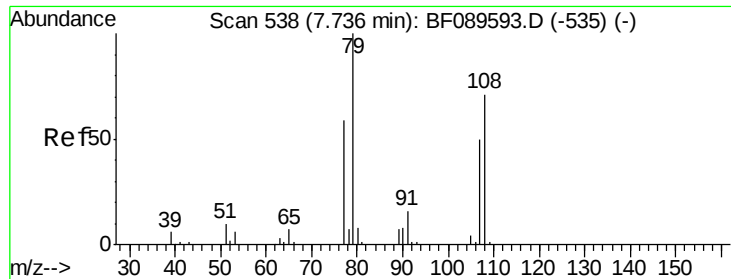
Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	146	Resp:	159141
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.0	76.6
111	49.3	38.5	57.7





#15

Benzyl Alcohol

Concen: 58.15 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

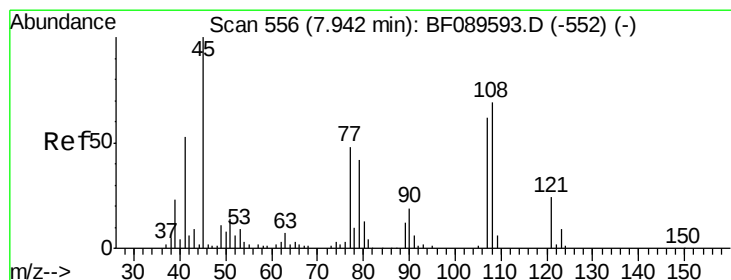
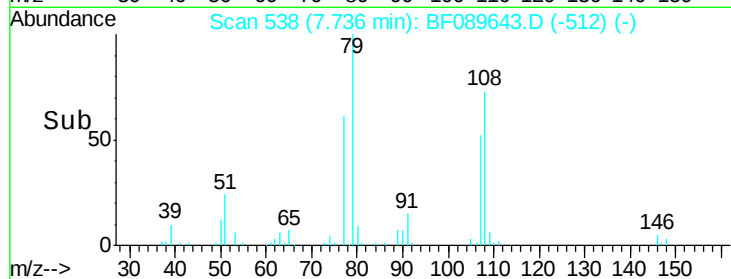
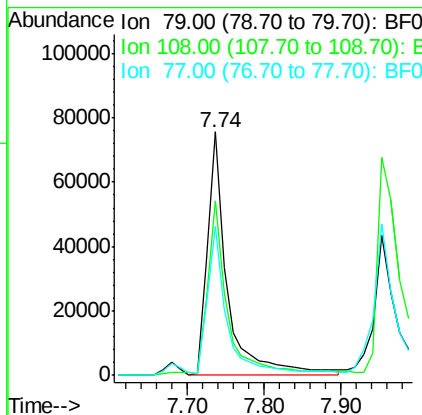
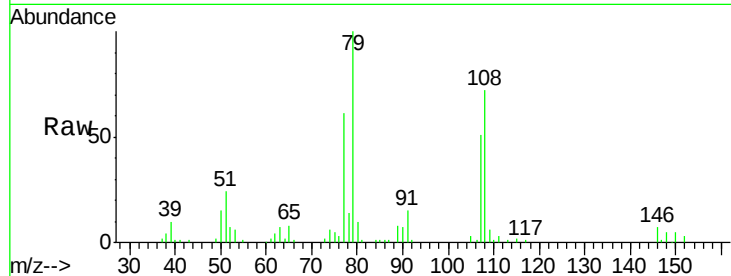
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:	79	Resp:	136909
Ion Ratio	Lower	Upper	
79	100		
108	71.8	58.3	87.5
77	61.4	48.7	73.1

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.96 ng

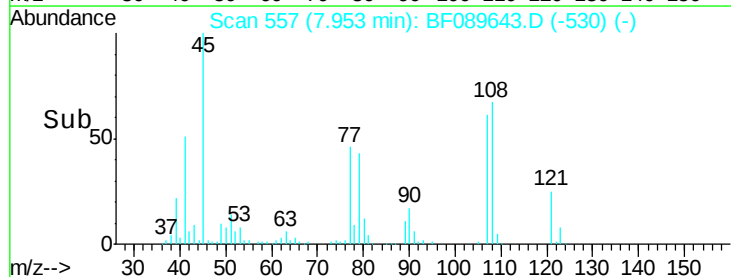
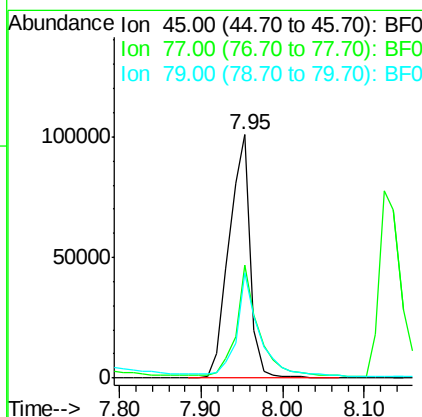
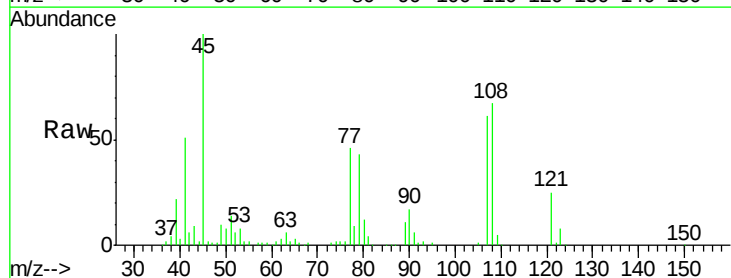
RT: 7.95 min Scan# 557

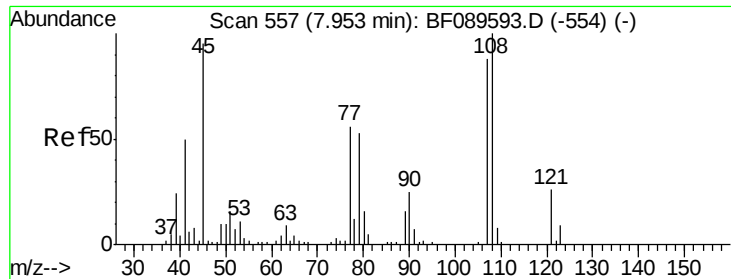
Delta R.T. 0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	45	Resp:	181327
Ion Ratio	Lower	Upper	
45	100		
77	46.5	30.1	70.1
79	43.1	25.5	65.5





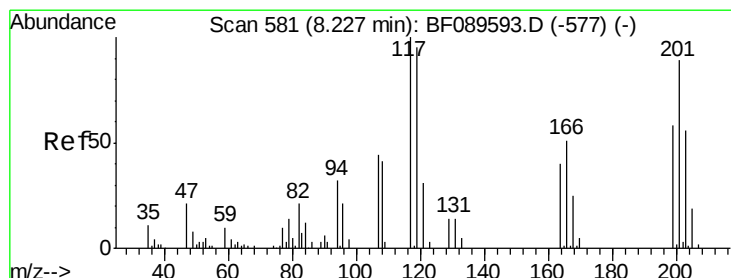
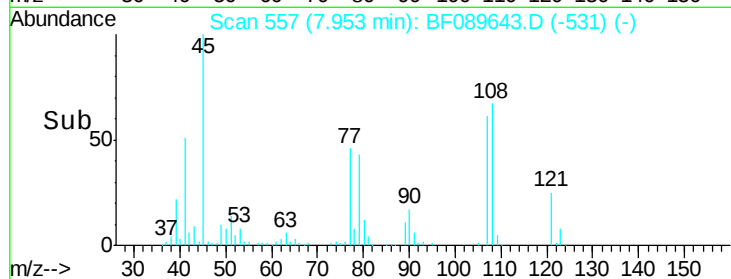
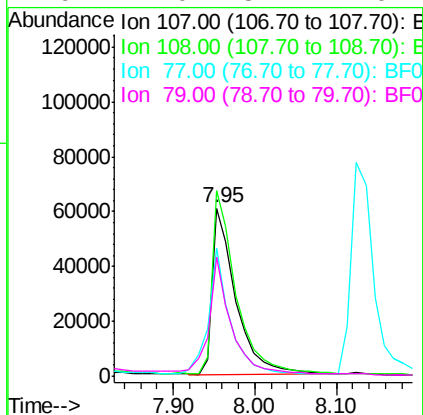
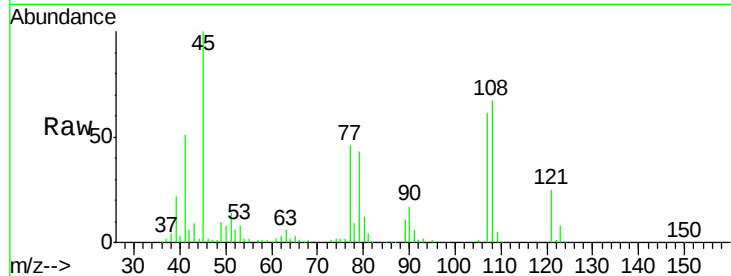
#17
2-Methylphenol
Concen: 52.45 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.6	91.2	136.8	
77	76.5	54.6	82.0	
79	71.0	52.7	79.1	

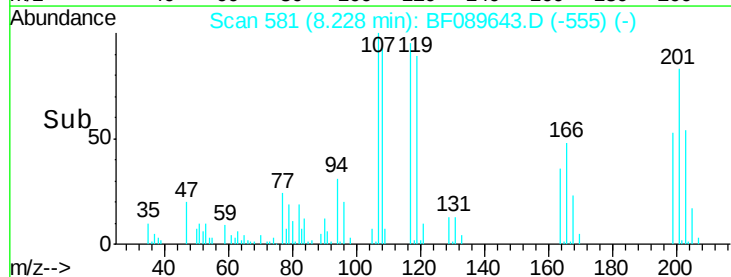
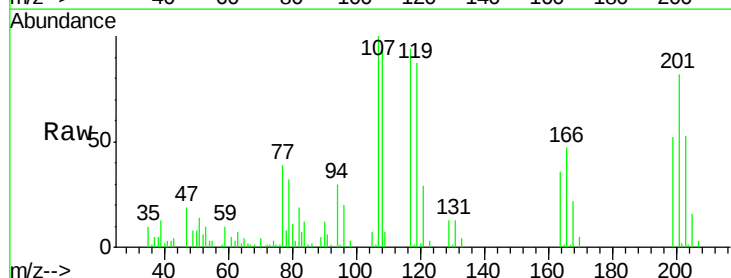
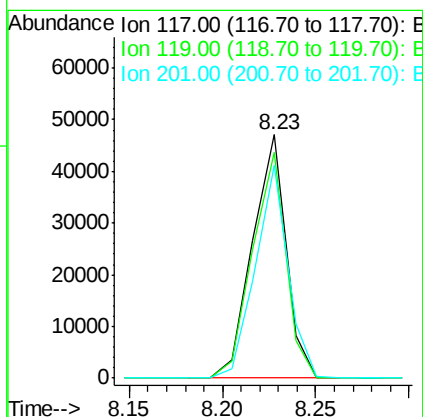
Manual Integrations
APPROVED

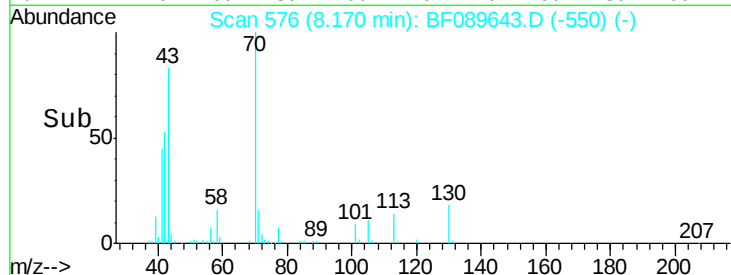
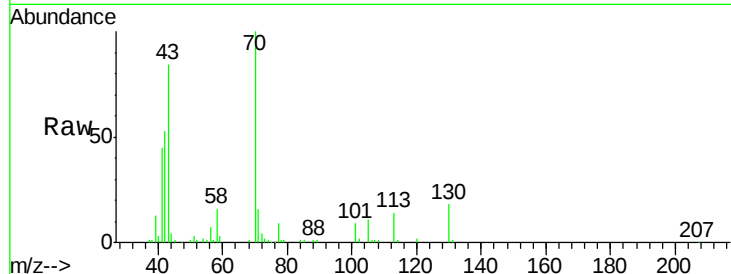
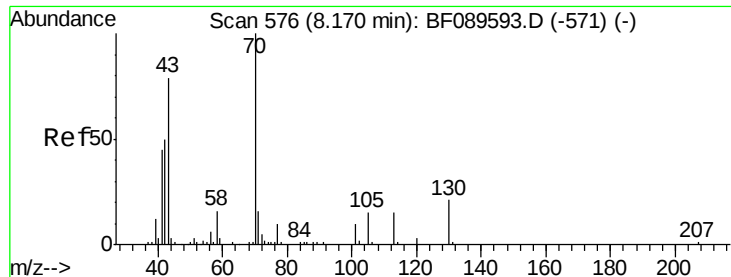
umangi
8/8/2016 9:19:39 AM



#18
Hexachloroethane
Concen: 39.43 ng
RT: 8.23 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.8	75.7	113.5	
201	87.3	71.6	107.4	





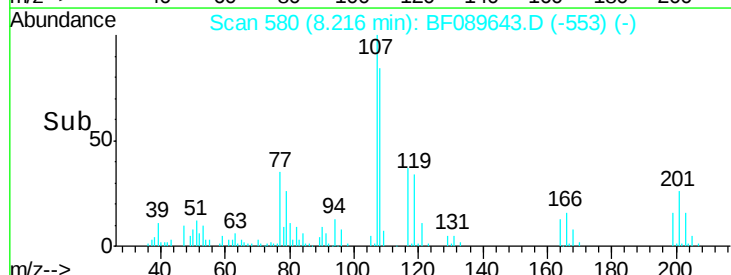
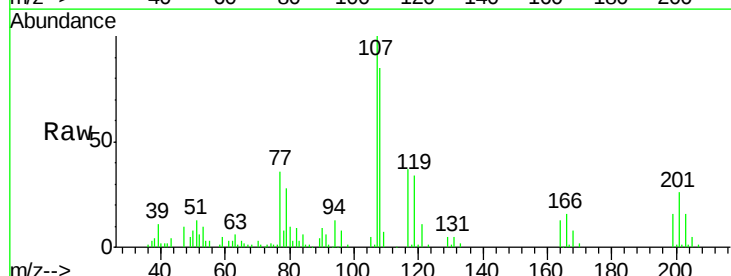
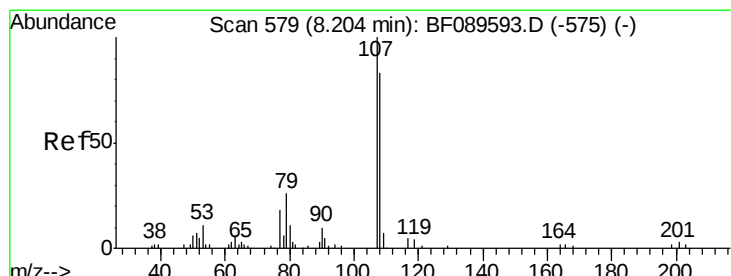
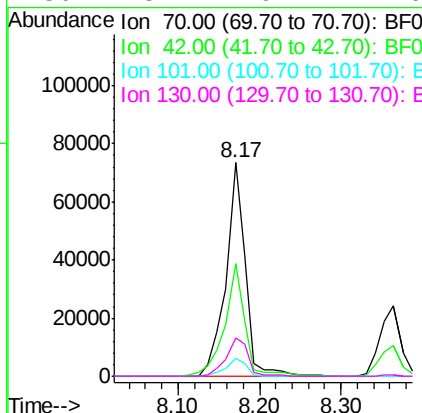
#19
n-Nitroso-di-n-propylamine
Concen: 46.72 ng
RT: 8.17 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	52.6	40.2	60.2
101	8.5	7.8	11.6
130	18.1	16.4	24.6

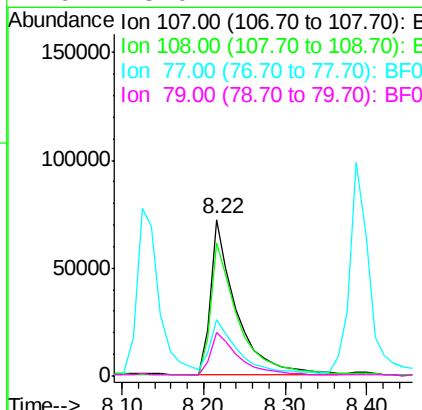
Manual Integrations
APPROVED

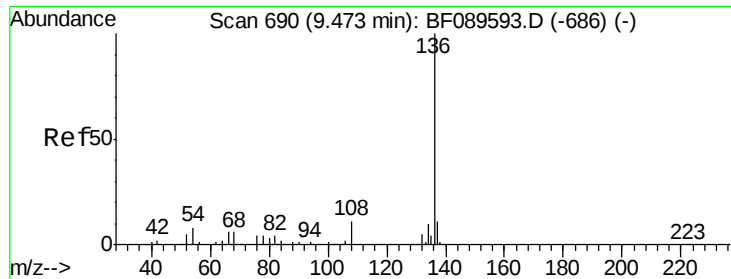
umangi
8/8/2016 9:19:39 AM



#20
3+4-Methylphenols
Concen: 53.15 ng
RT: 8.22 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.8	63.8	103.8
77	36.0	19.5	59.5
79	28.0	7.1	47.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

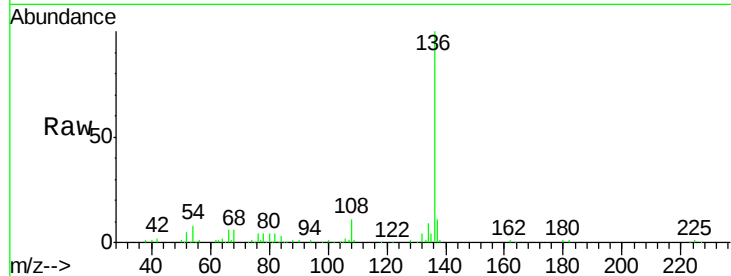
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	178930		
137	10.8	8.6	12.8	
54	7.7	6.0	9.0	
68	6.0	4.6	6.8	

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM

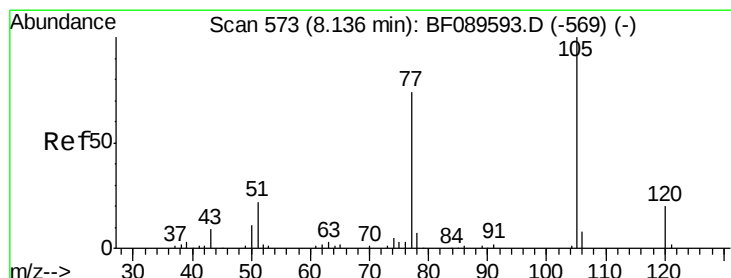
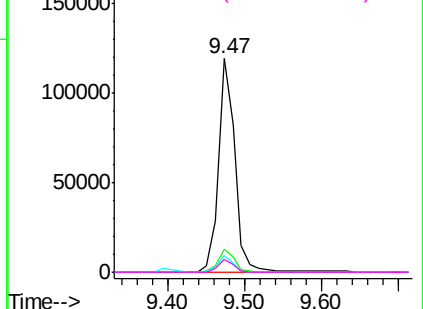
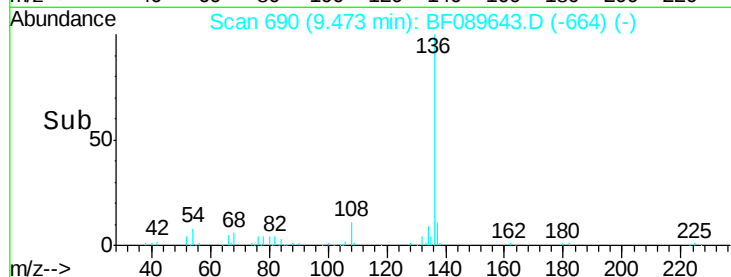


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 45.26 ng

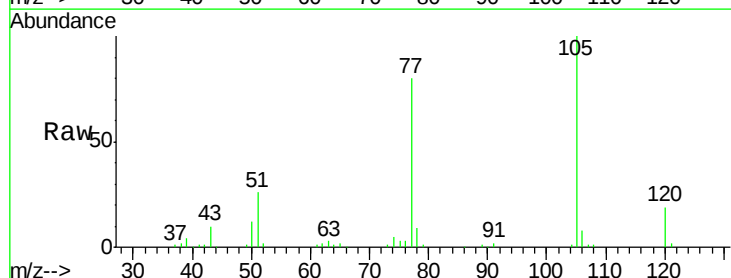
RT: 8.12 min Scan# 572

Delta R.T. -0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193049		
71	0.0	0.0	0.0	
51	26.1	18.2	27.2	
120	19.1	15.7	23.5	

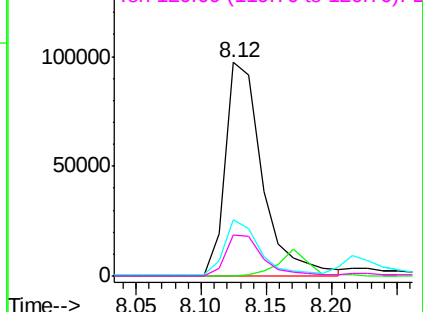
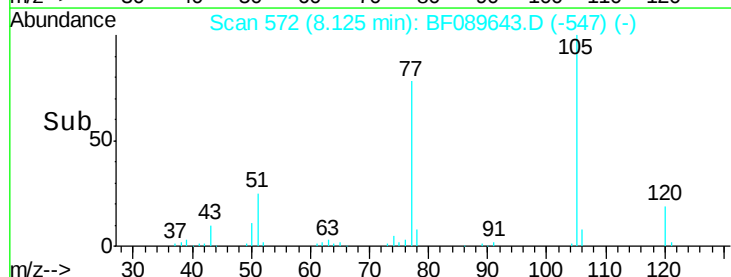


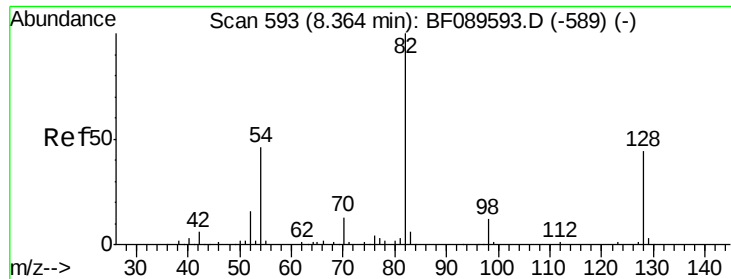
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





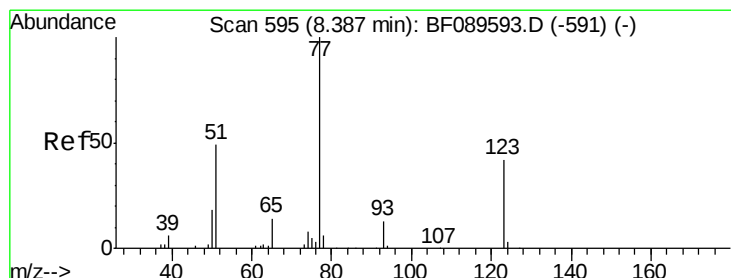
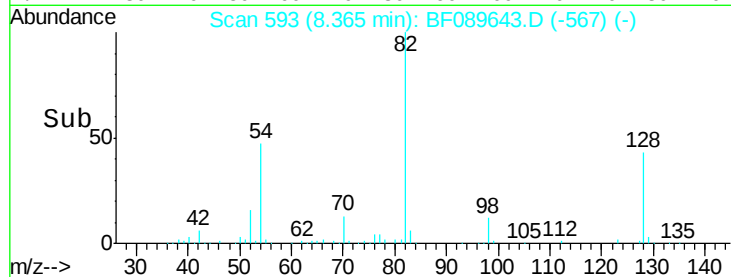
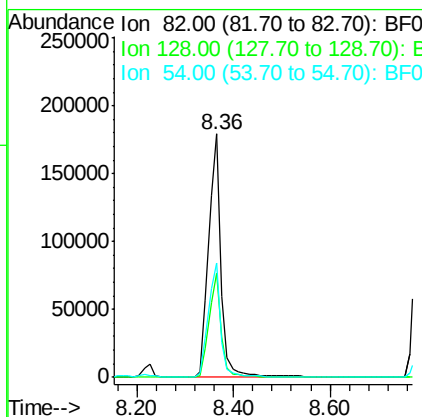
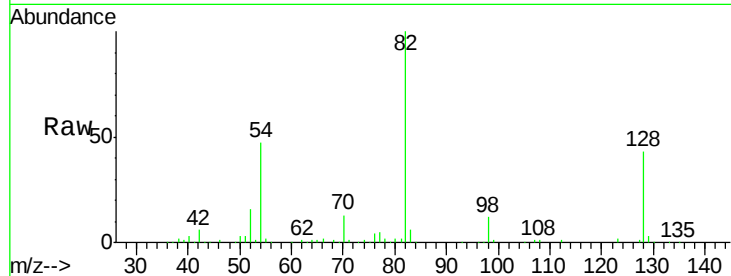
#23
 Nitrobenzene-d5
 Concen: 101.35 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	327859		
128	42.8		35.4	53.0
54	46.7		36.4	54.6

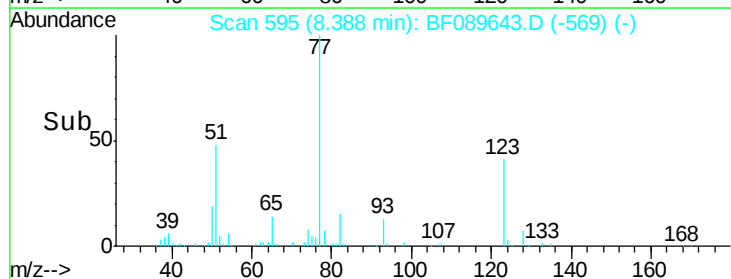
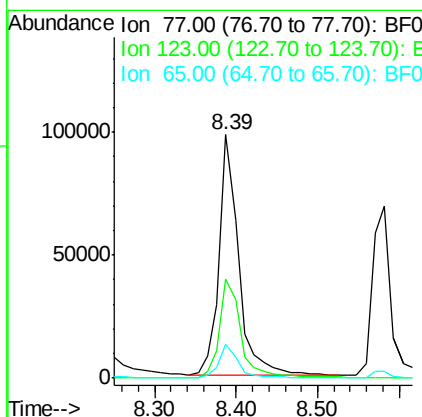
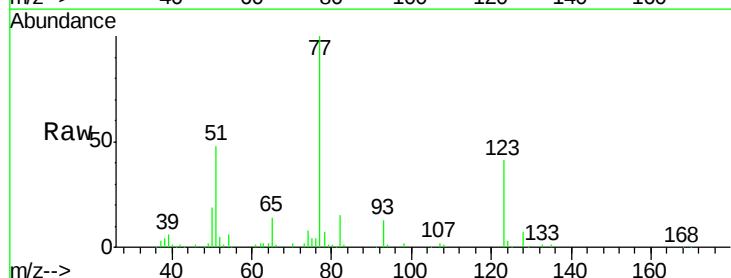
Manual Integrations
 APPROVED

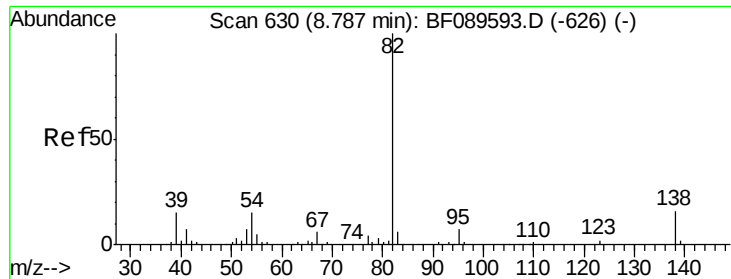
umangi
 8/8/2016 9:19:39 AM



#24
 Nitrobenzene
 Concen: 52.28 ng
 RT: 8.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	160647		
123	40.5		32.6	49.0
65	13.7		11.0	16.6





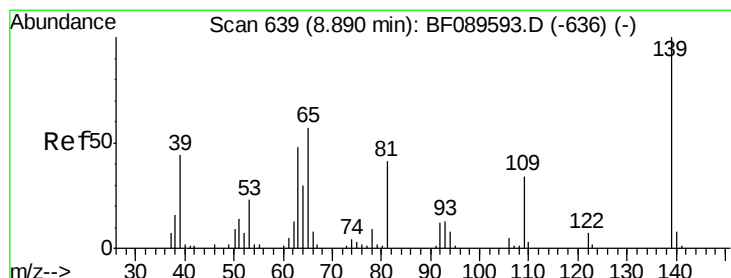
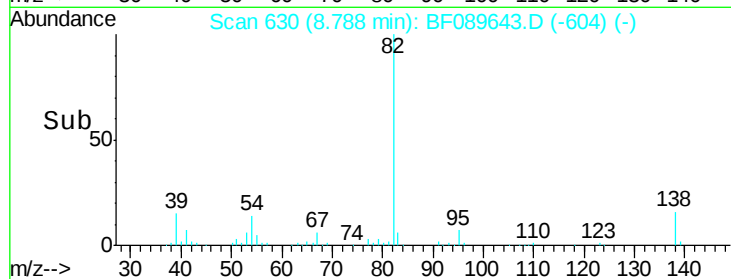
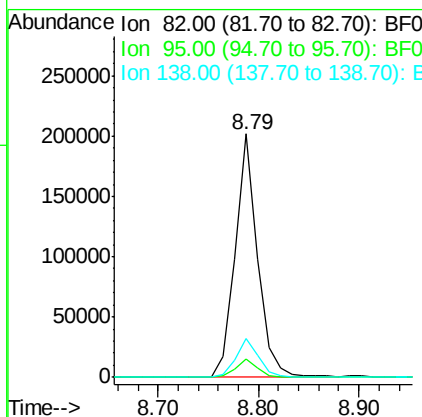
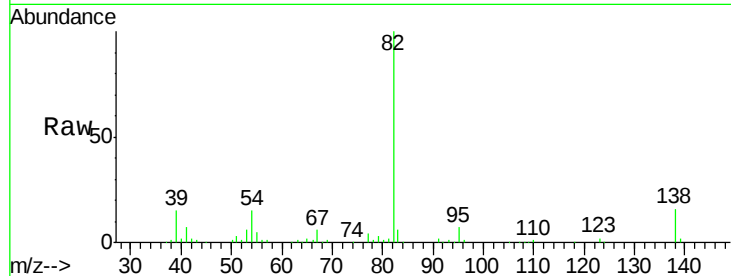
#25
Isophorone
Concen: 50.45 ng
RT: 8.79 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	312508		
95	7.4	5.8	8.8	
138	16.1	12.6	18.8	

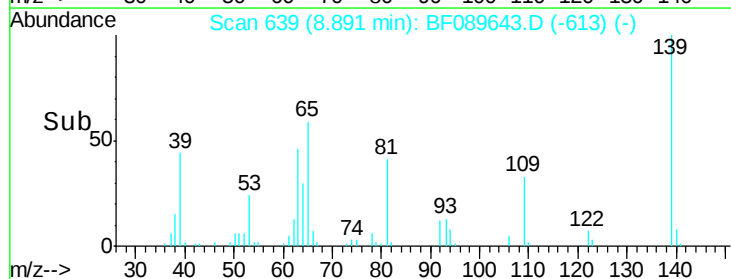
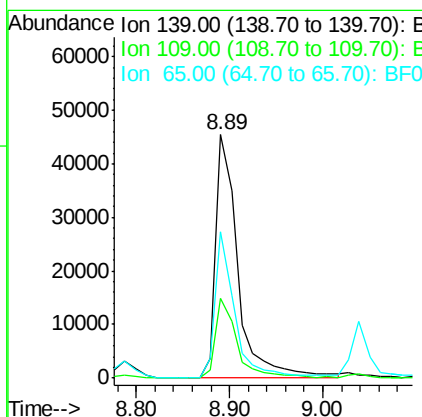
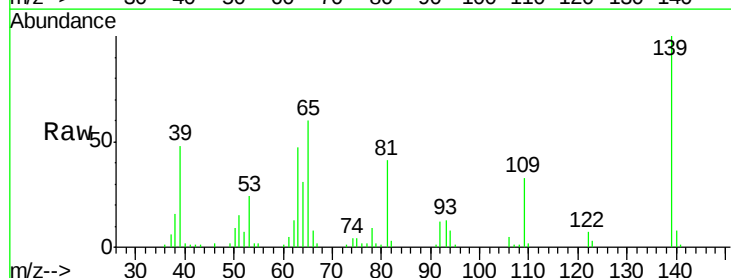
Manual Integrations
APPROVED

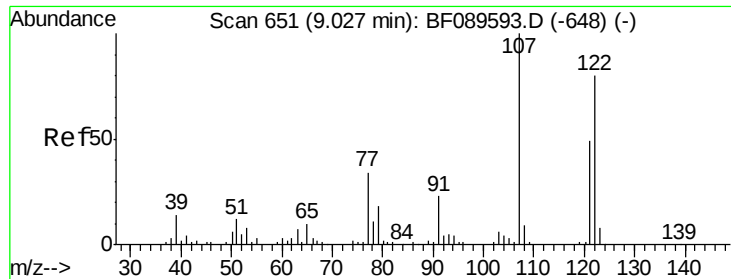
umangi
8/8/2016 9:19:39 AM



#26
2-Nitrophenol
Concen: 53.71 ng
RT: 8.89 min Scan# 639
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	75735		
109	32.7	27.5	41.3	
65	60.0	45.7	68.5	





#27

2,4-Dimethylphenol

Concen: 51.56 ng

RT: 9.04 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

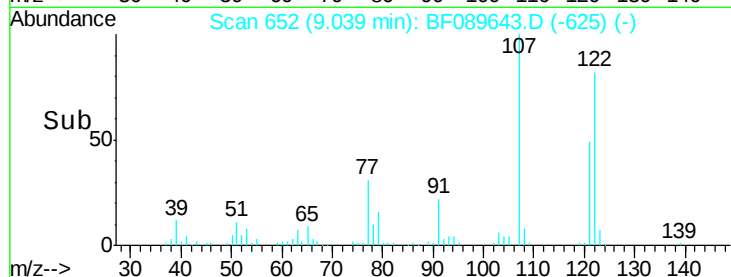
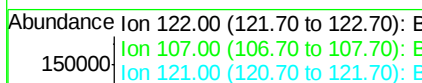
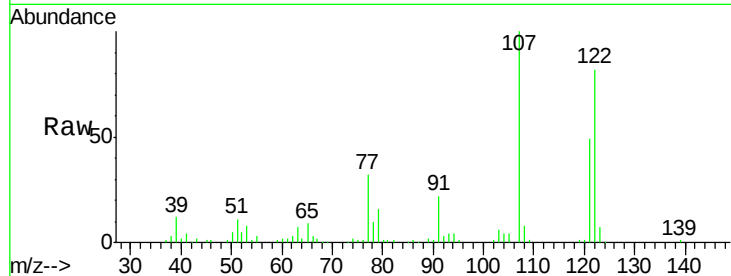
ClientSampleId :

LOCATION-46D-9-11MSD

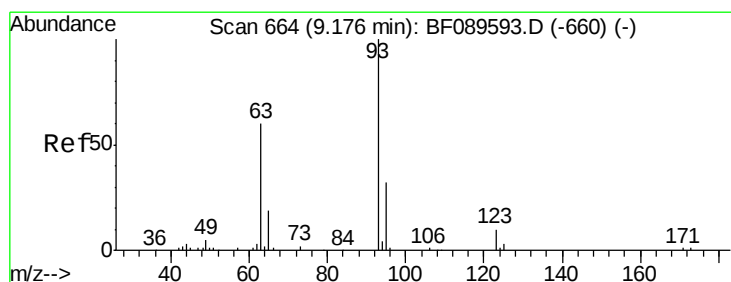
Tgt Ion:	122	Resp:	130705
Ion Ratio	Lower	Upper	
122	100		
107	121.3	99.5	149.3
121	59.3	48.5	72.7

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 51.25 ng

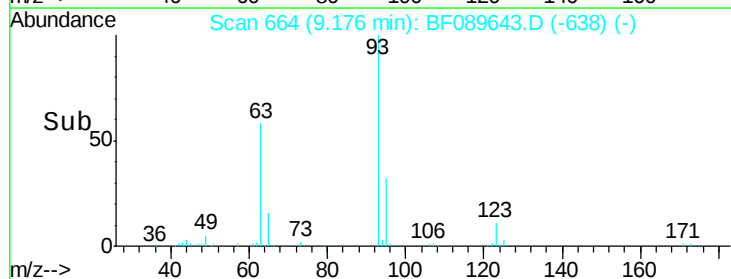
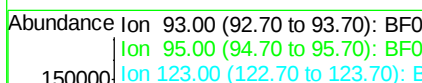
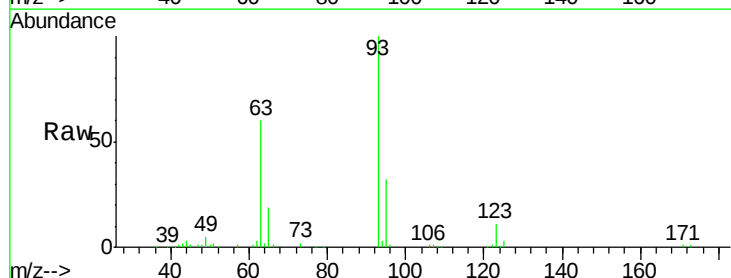
RT: 9.18 min Scan# 664

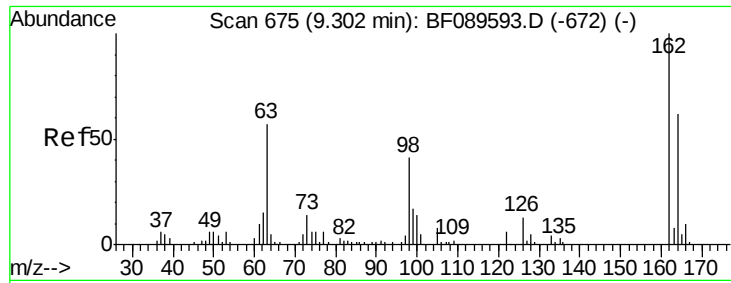
Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	93	Resp:	192052
Ion Ratio	Lower	Upper	
93	100		
95	32.0	25.8	38.8
123	10.5	8.0	12.0





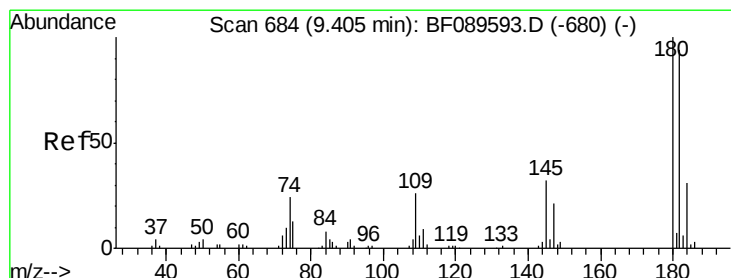
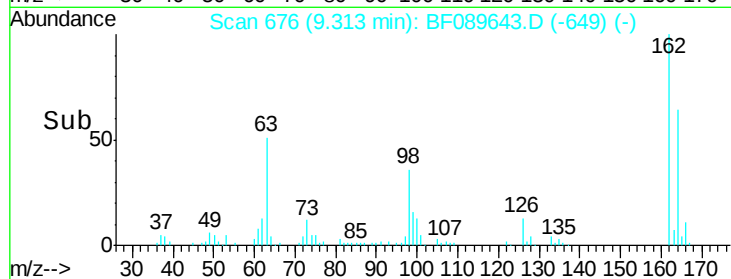
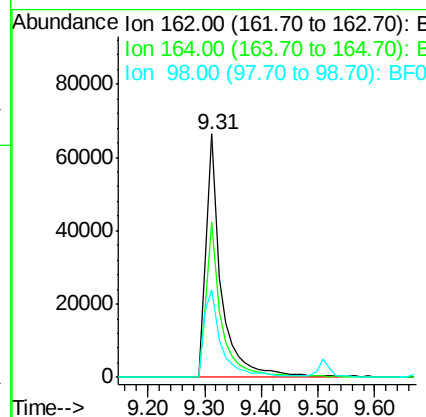
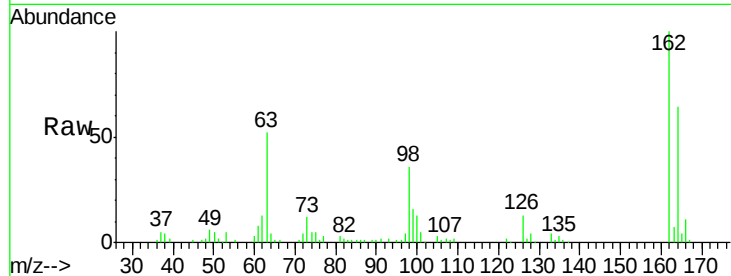
#29
2,4-Dichlorophenol
Concen: 50.03 ng
RT: 9.31 min Scan# 676
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.7	42.3	82.3
98	36.0	21.2	61.2

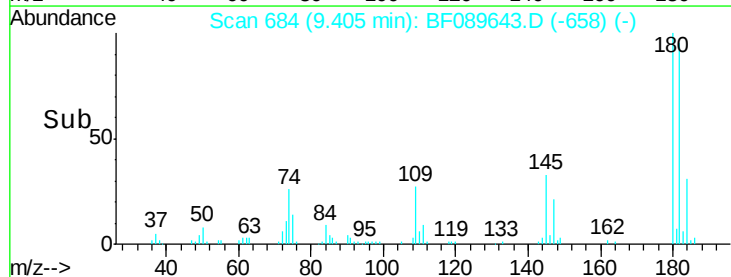
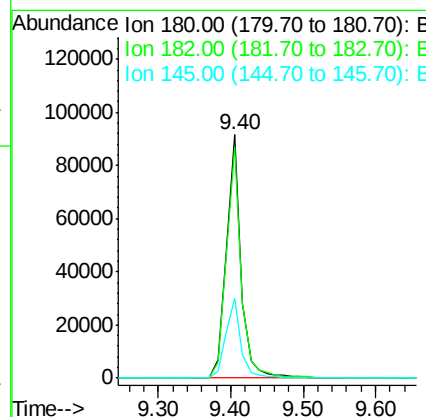
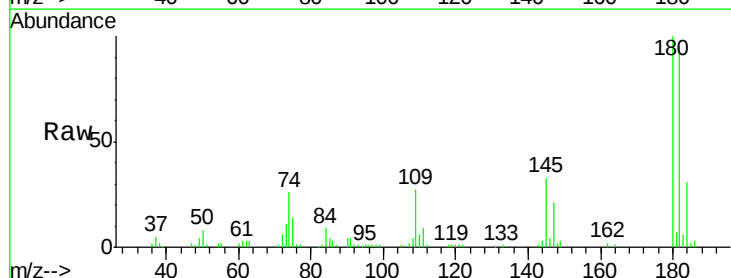
Manual Integrations
APPROVED

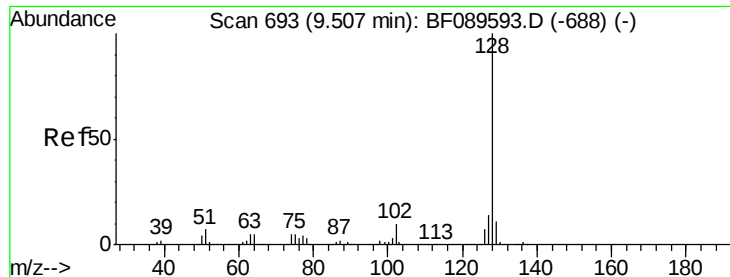
umangi
8/8/2016 9:19:39 AM



#30
1,2,4-Trichlorobenzene
Concen: 46.99 ng
RT: 9.40 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.9	75.0	112.6
145	32.9	25.6	38.4





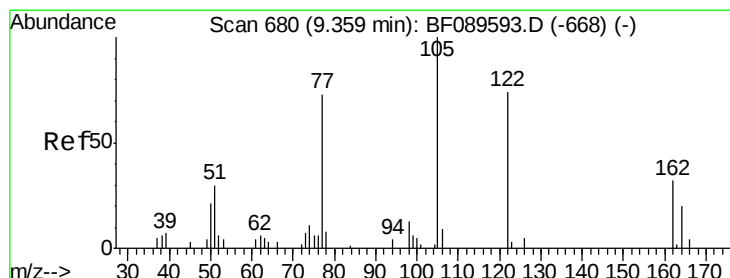
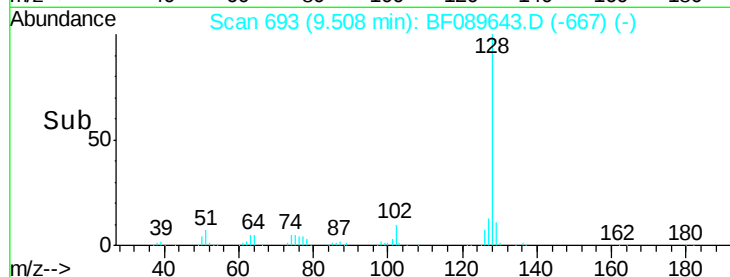
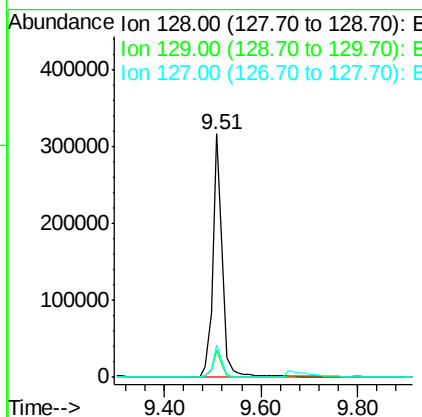
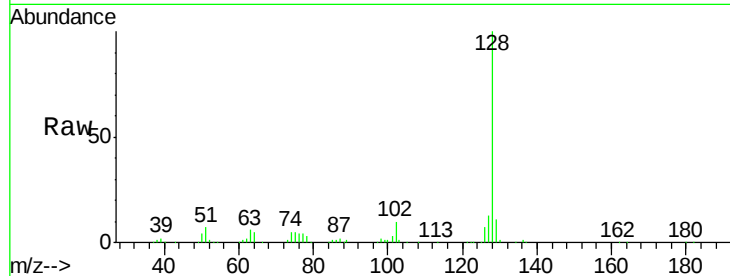
#31
Naphthalene
Concen: 47.39 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.3	10.9	16.3

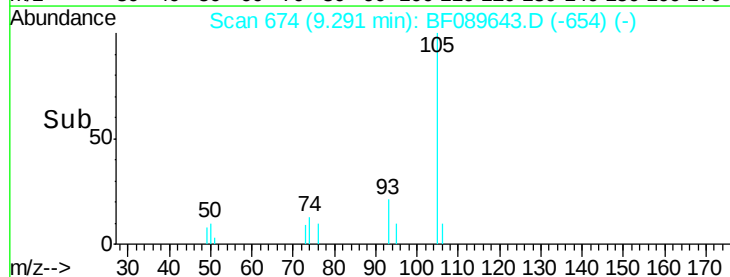
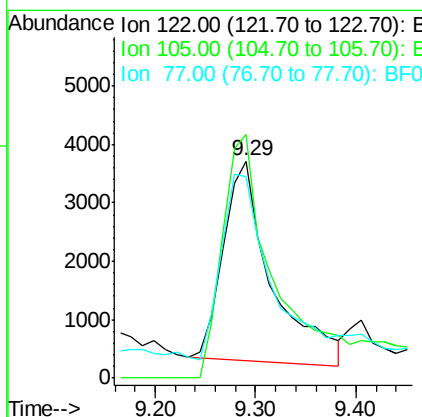
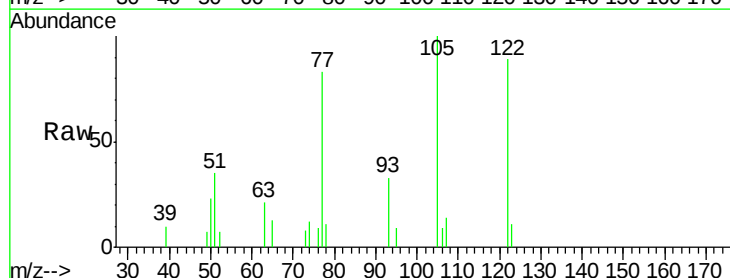
Manual Integrations
APPROVED

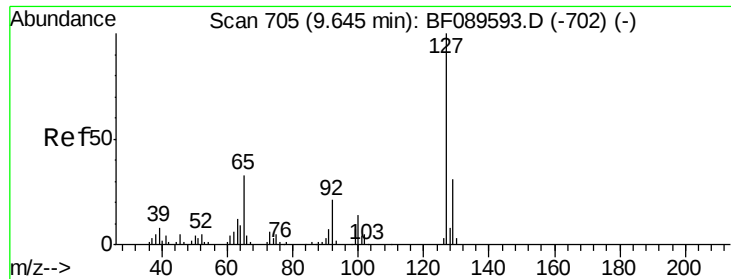
umangi
8/8/2016 9:19:39 AM



#32
Benzoic acid
Concen: 7.09 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.07 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
122	100		
105	112.3	109.9	149.9
77	92.9	77.5	117.5





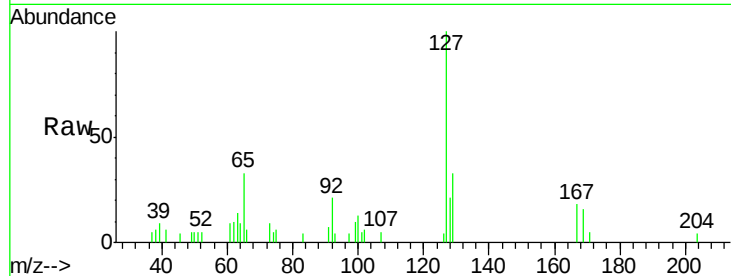
#33
4-Chloroaniline
Concen: 9.95 ng
RT: 9.66 min Scan# 706
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

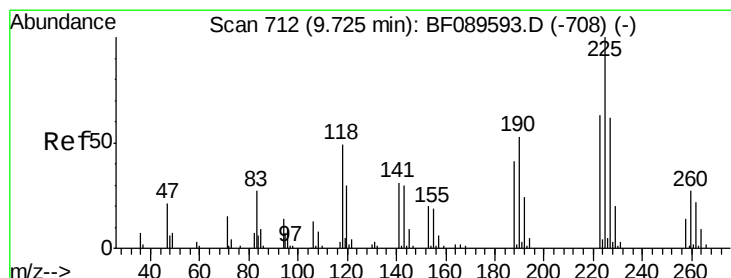
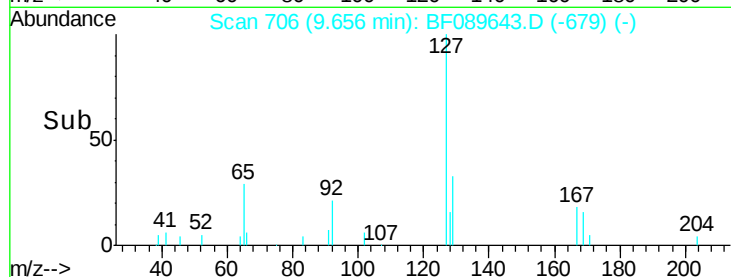
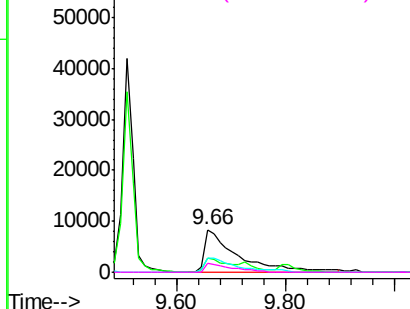
Tgt Ion:	127	Resp:	35527
Ion Ratio	Lower	Upper	
127	100		
129	33.3	25.1	37.7
65	33.0	26.2	39.2
92	20.6	16.9	25.3

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



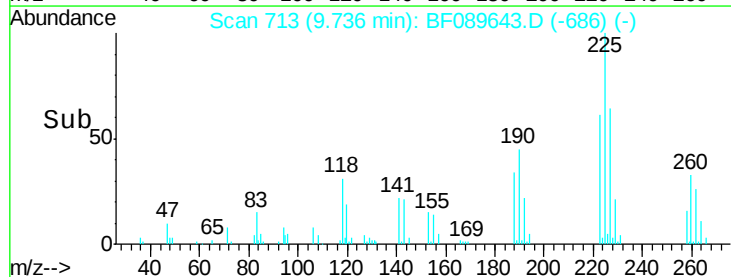
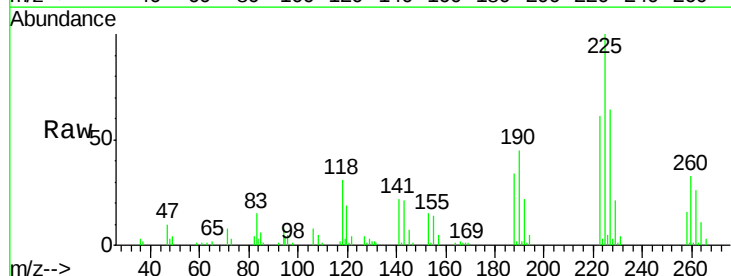
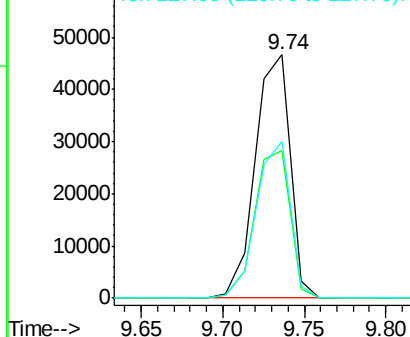
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

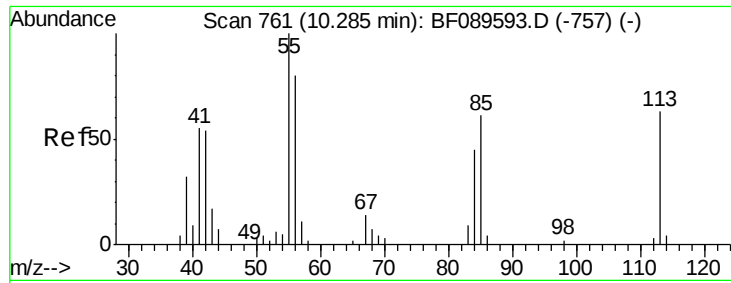


#34
Hexachlorobutadiene
Concen: 44.11 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion:	225	Resp:	69585
Ion Ratio	Lower	Upper	
225	100		
223	60.8	50.7	76.1
227	64.2	49.4	74.0

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: 51.70 ng m

RT: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

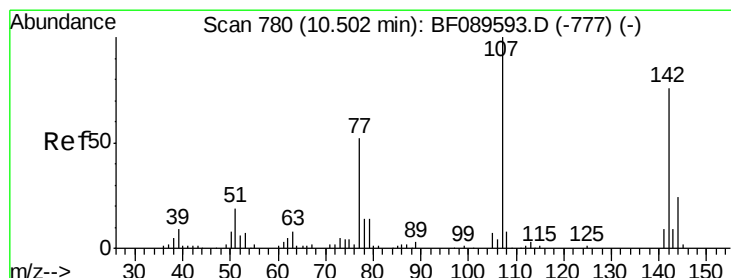
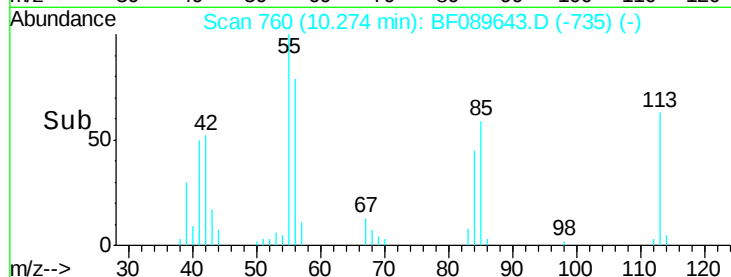
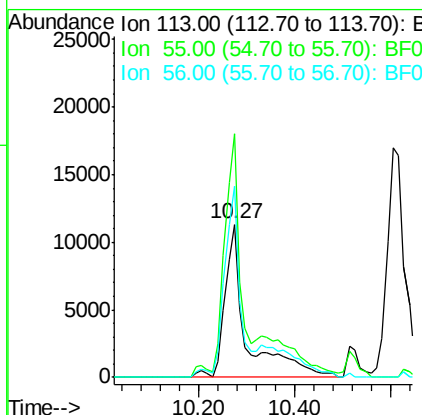
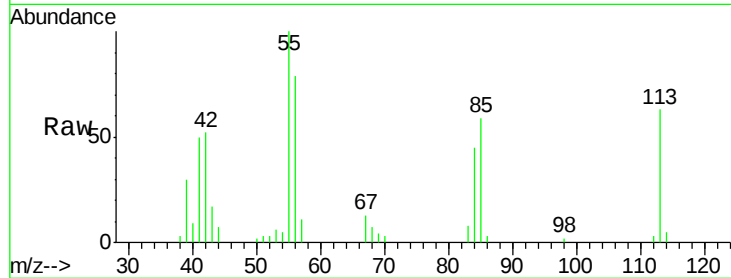
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:113 Resp: 36145
 Ion Ratio Lower Upper
 113 100
 55 158.8 139.6 179.6
 56 124.8 108.2 148.2

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:19:39 AM



#36

4-Chloro-3-methylphenol

Concen: 48.48 ng

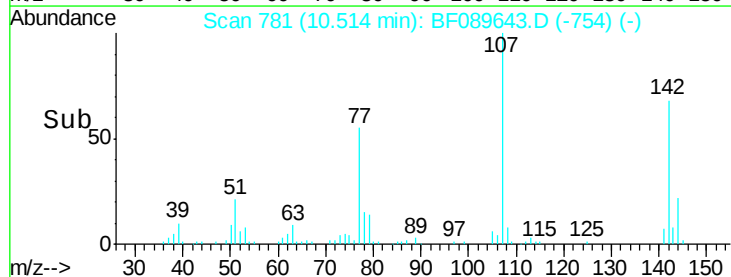
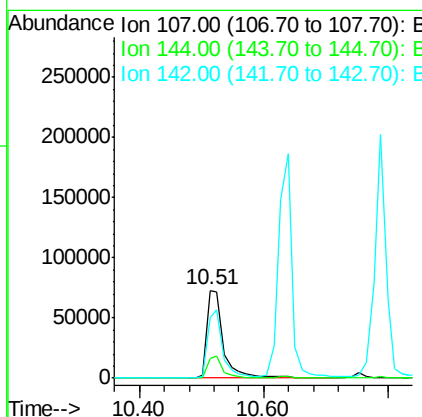
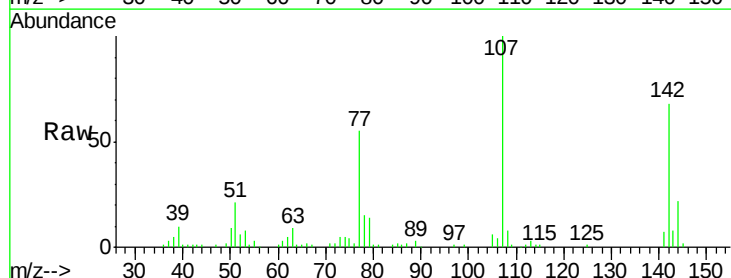
RT: 10.51 min Scan# 781

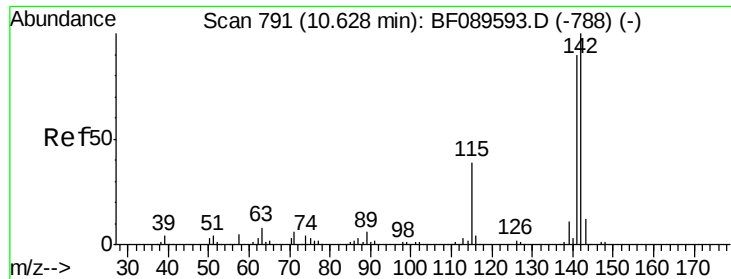
Delta R.T. 0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:107 Resp: 135181
 Ion Ratio Lower Upper
 107 100
 144 21.8 18.9 28.3
 142 68.4 60.4 90.6





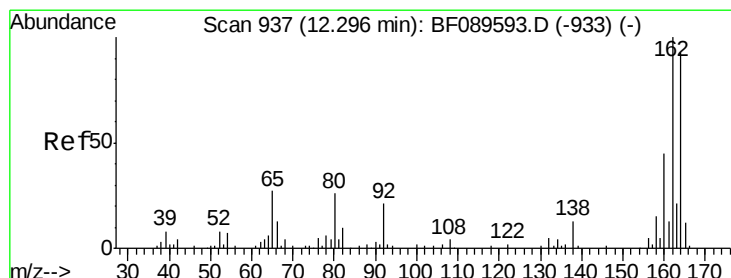
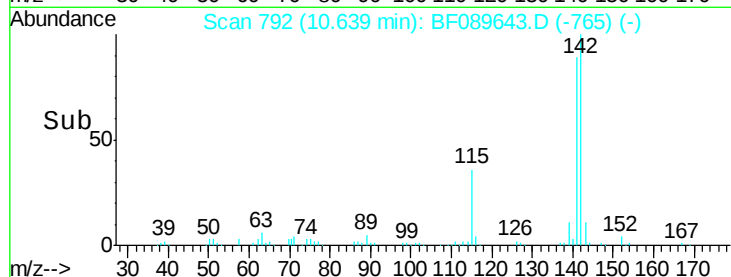
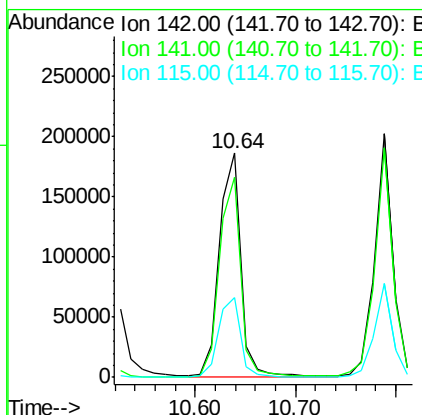
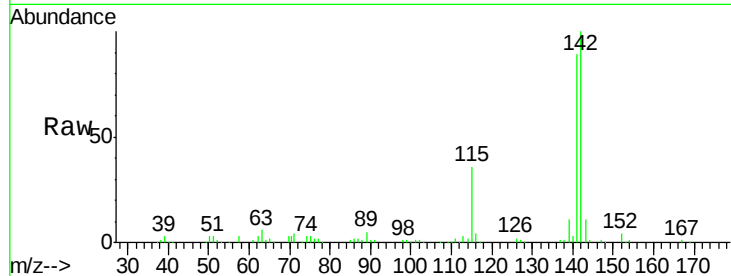
#37
2-Methylnaphthalene
Concen: 47.06 ng
RT: 10.64 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	275228		
141	89.3	71.8	107.6	
115	35.6	31.0	46.4	

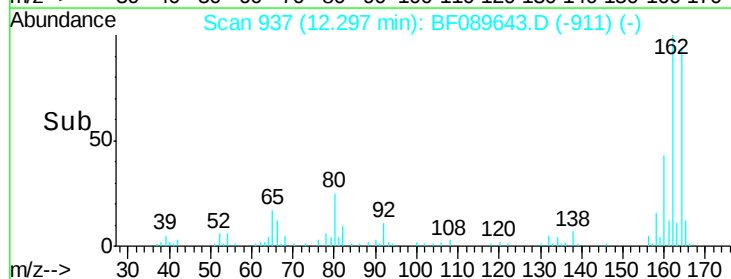
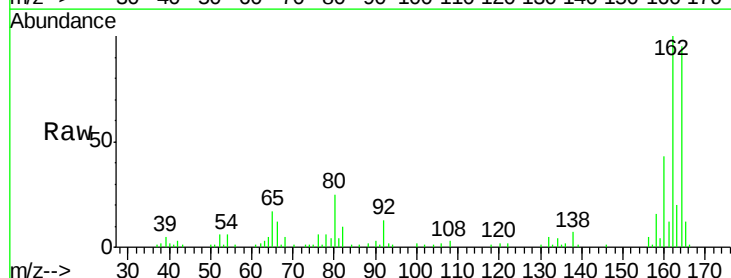
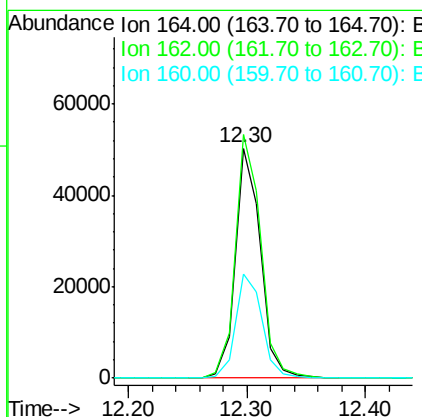
Manual Integrations
APPROVED

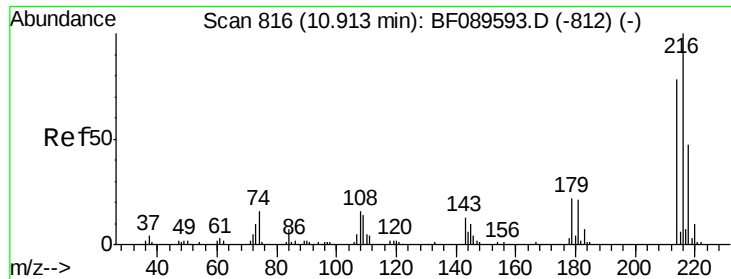
umangi
8/8/2016 9:19:39 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73995		
162	105.8	85.7	128.5	
160	45.5	38.2	57.4	





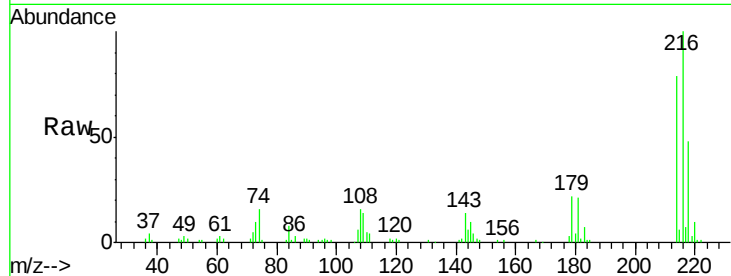
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 37.33 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

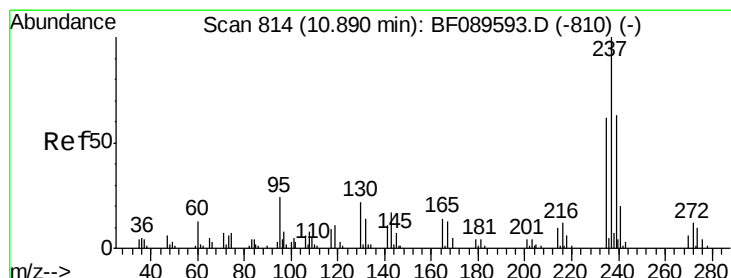
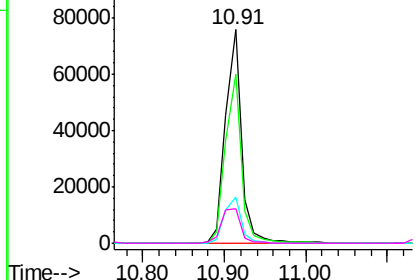
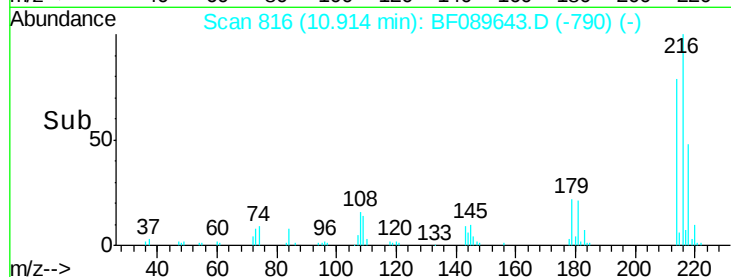
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	103829		
214	78.4	62.6	94.0	
179	22.5	17.8	26.8	
108	19.4	16.3	24.5	

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:19:39 AM

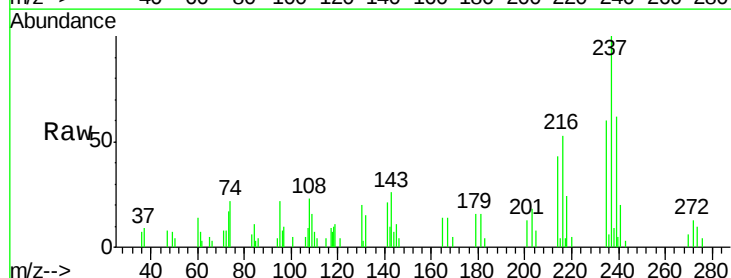


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

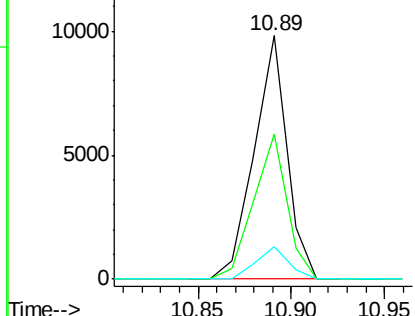
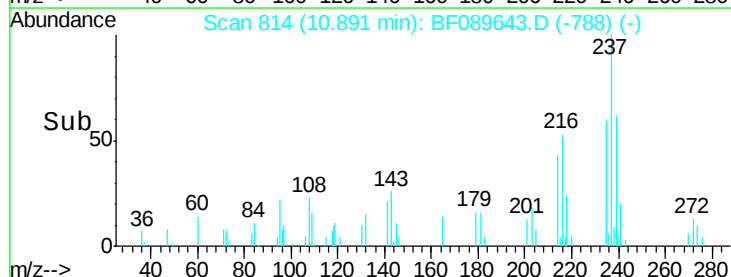


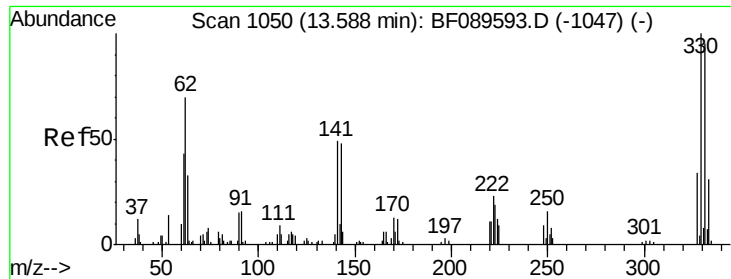
#40
 Hexachlorocyclopentadiene
 Concen: 20.07 ng
 RT: 10.89 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	11959		
235	59.8	41.9	81.9	
272	13.3	0.0	32.4	



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





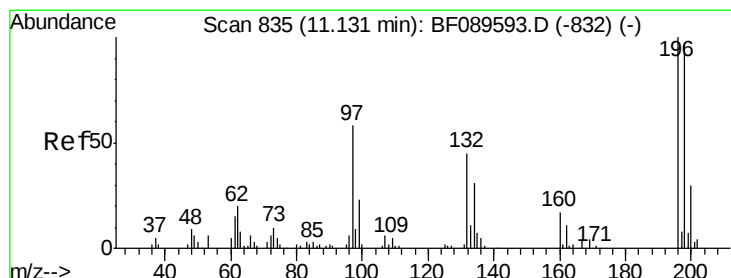
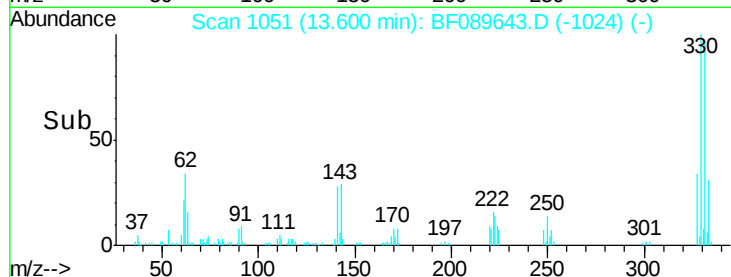
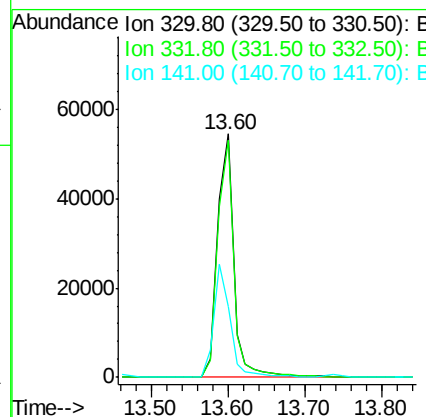
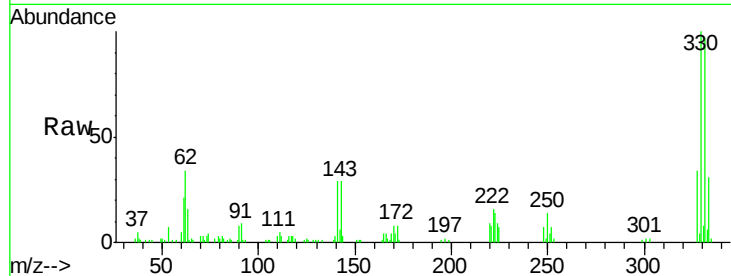
#41
 2,4,6-Tribromophenol
 Concen: 132.29 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	45.7	38.6	57.8

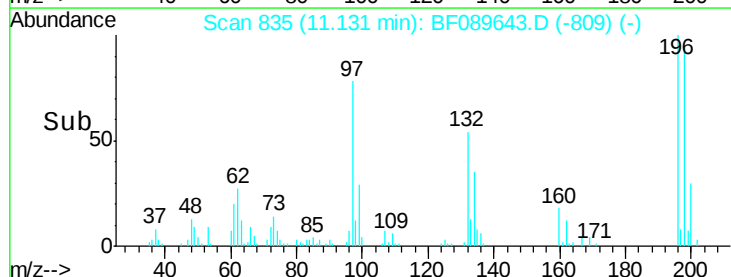
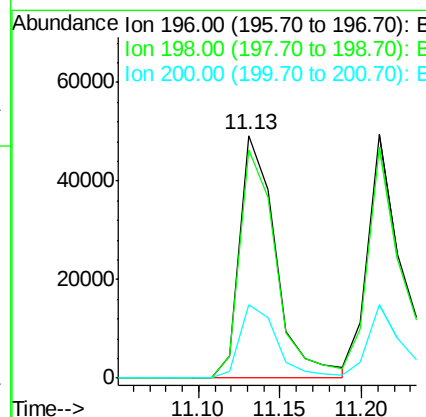
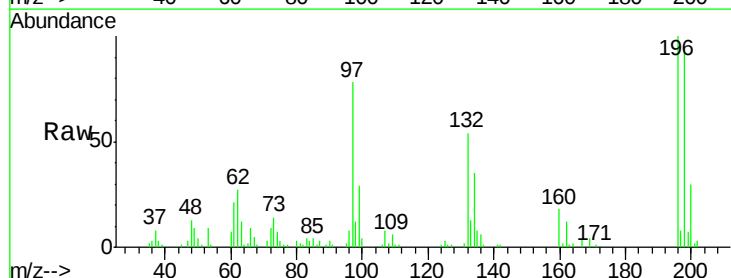
Manual Integrations
 APPROVED

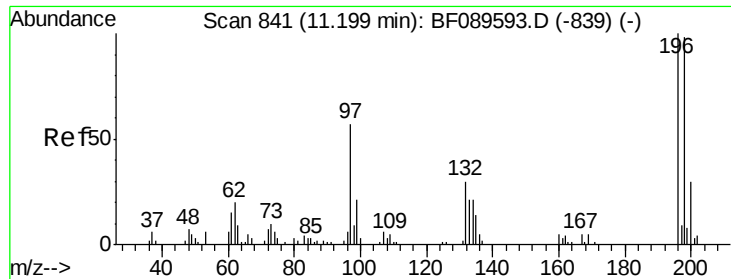
umangi
 8/8/2016 9:19:39 AM



#42
 2,4,6-Trichlorophenol
 Concen: 55.17 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.0	77.6	116.4
200	30.4	23.8	35.8





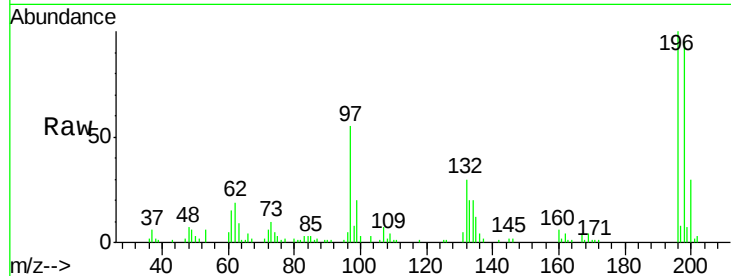
#43
 2,4,5-Trichlorophenol
 Concen: 56.21 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.01 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	82405		
198	94.6	77.8	116.6	
97	54.6	45.8	68.6	
132	30.4	25.1	37.7	

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:19:39 AM



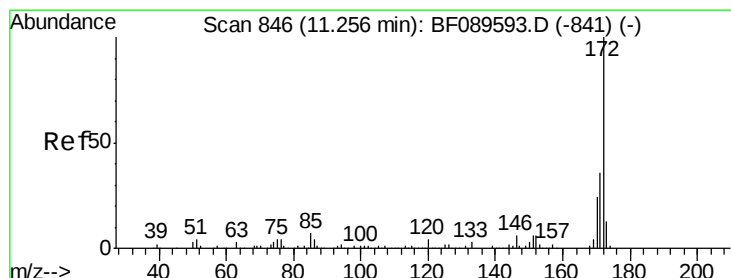
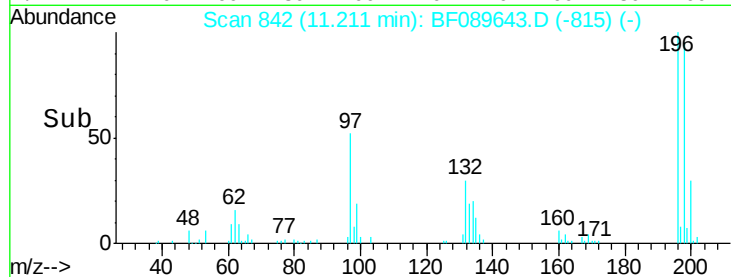
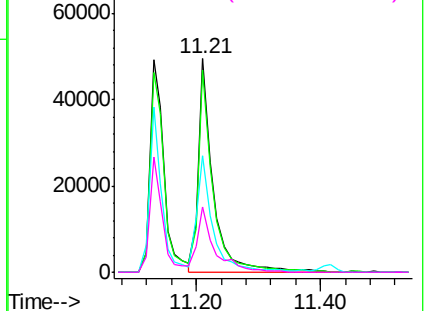
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

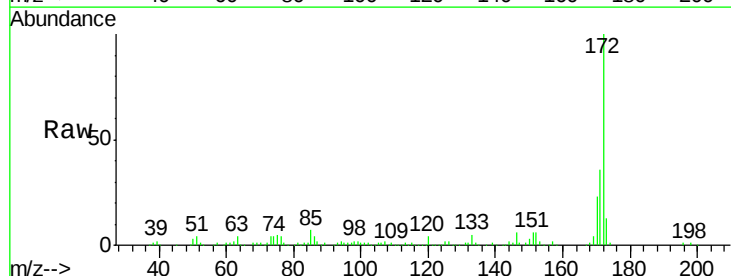
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 93.25 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	530895		
171	35.7	28.9	43.3	
170	23.5	19.0	28.6	

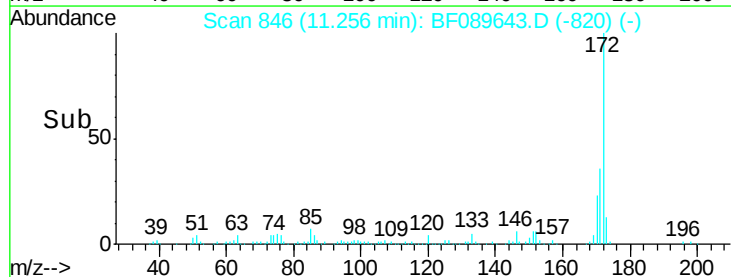
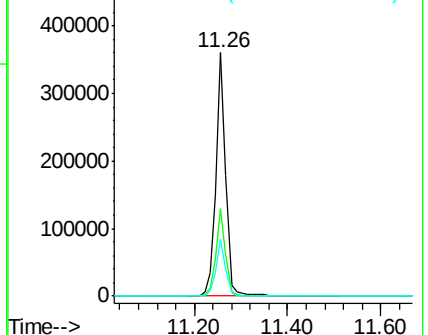


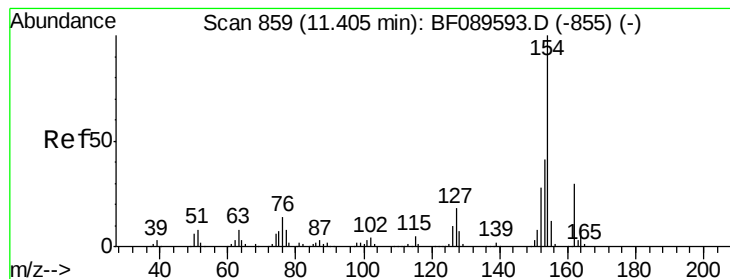
Abundance

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: 43.68 ng

RT: 11.41 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

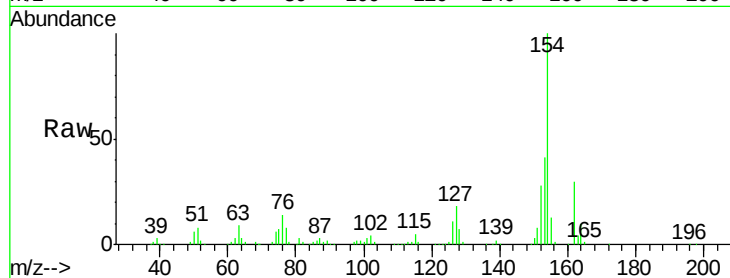
ClientSampleId :

LOCATION-46D-9-11MSD

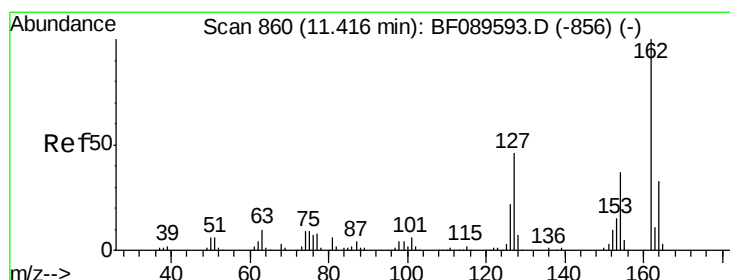
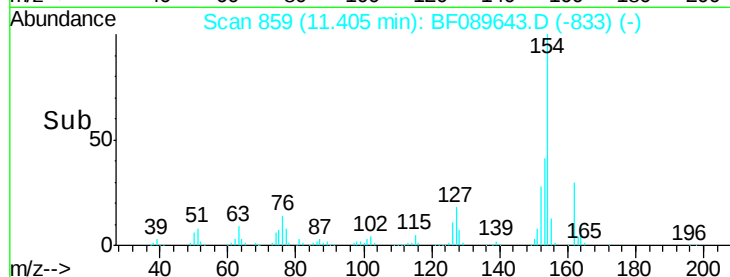
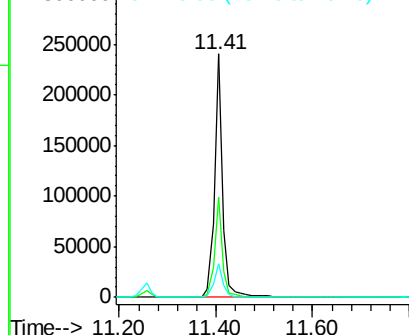
Tgt Ion:	154	Resp:	291449
Ion Ratio	Lower	Upper	
154	100		
153	41.0	20.6	60.6
76	13.9	0.0	33.7

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 48.67 ng

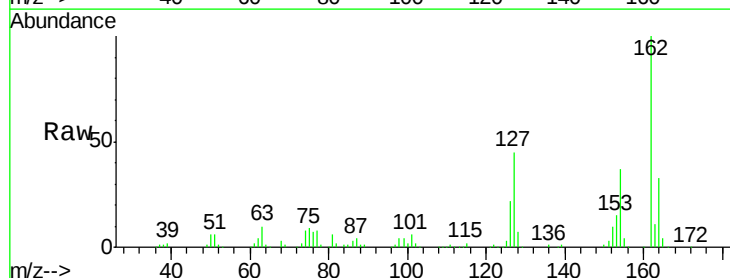
RT: 11.42 min Scan# 860

Delta R.T. 0.00 min

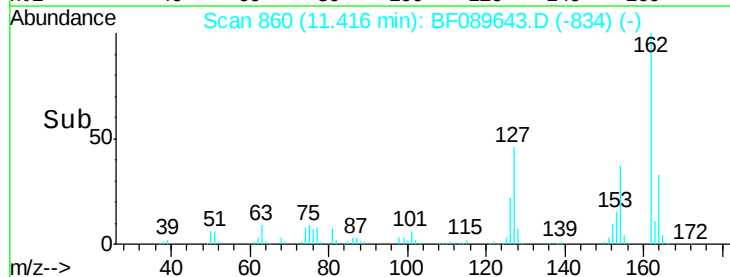
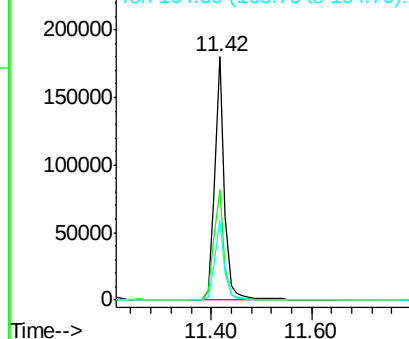
Lab File: BF089643.D

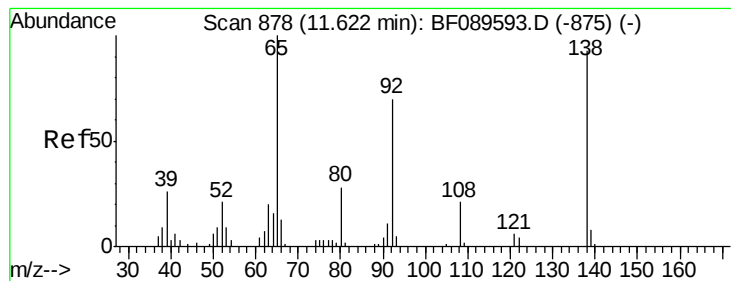
Acq: 5 Aug 2016 22:15

Tgt Ion:	162	Resp:	243497
Ion Ratio	Lower	Upper	
162	100		
127	45.3	36.6	54.8
164	32.8	26.8	40.2



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 48.87 ng

RT: 11.63 min Scan# 879

Delta R.T. 0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion: 65 Resp: 78809

Ion Ratio Lower Upper

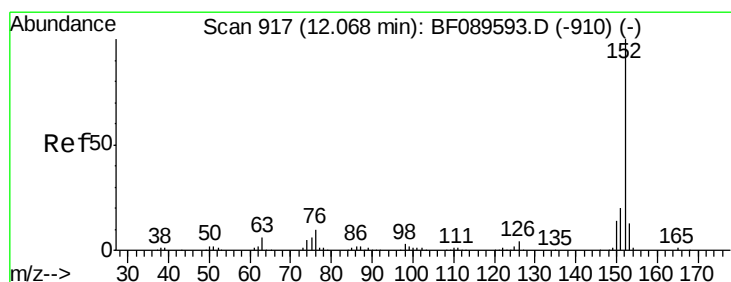
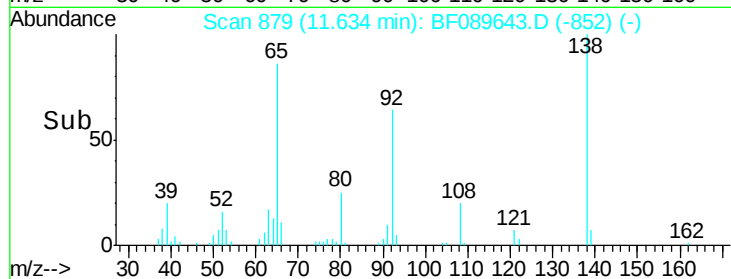
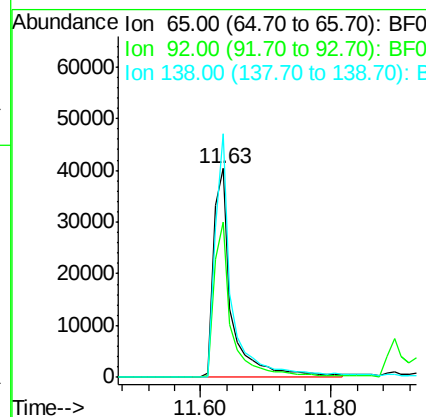
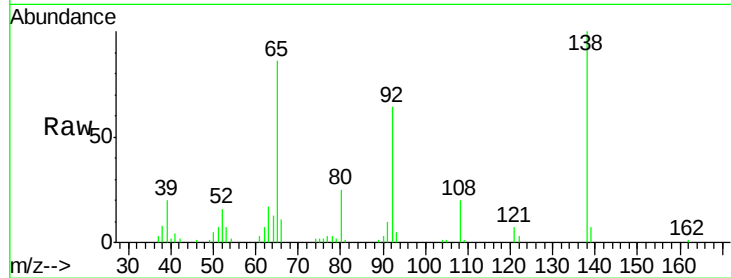
65 100

92 74.4 56.3 84.5

138 116.7 74.3 111.5#

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#48

Acenaphthylene

Concen: 46.44 ng

RT: 12.07 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

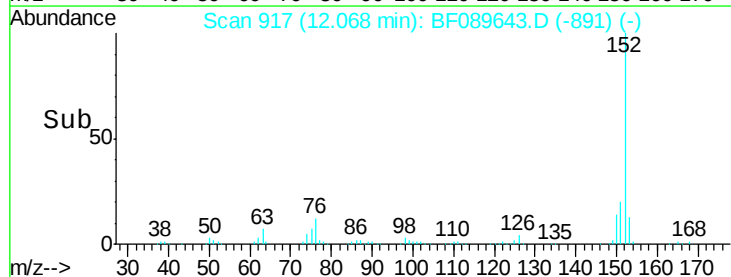
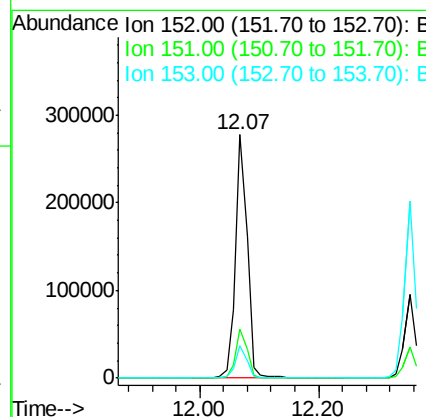
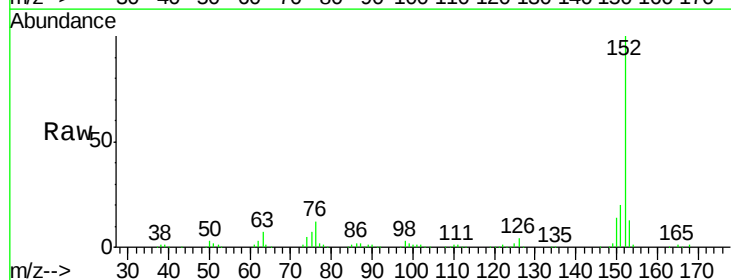
Tgt Ion: 152 Resp: 382743

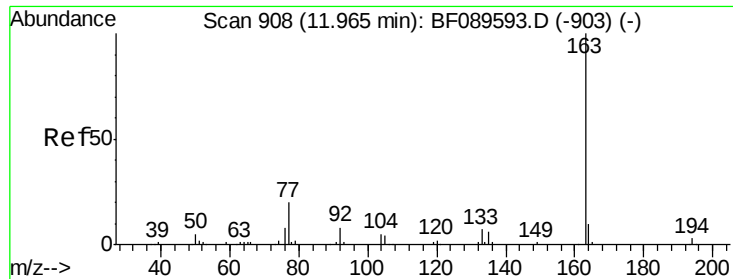
Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 13.3 10.5 15.7





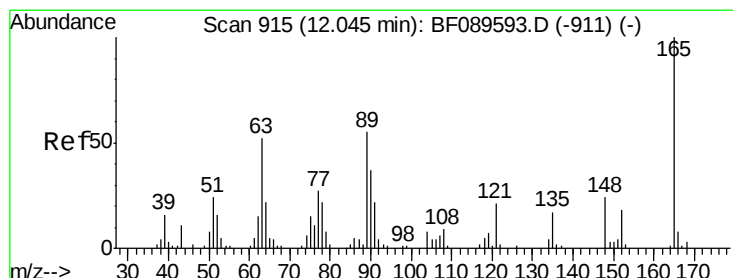
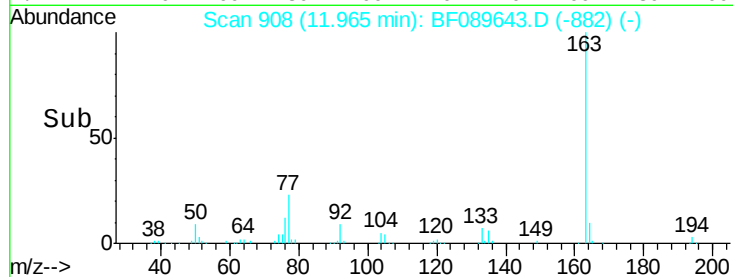
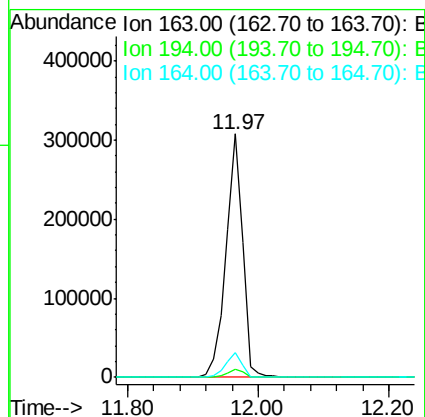
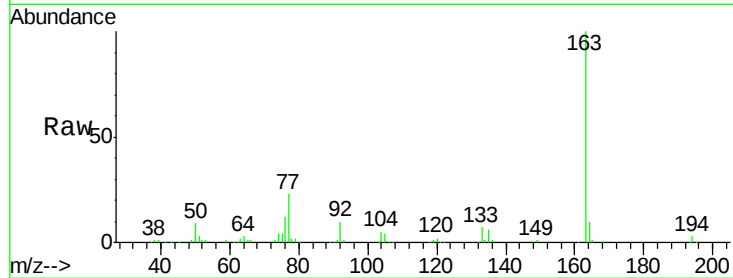
#49
Dimethylphthalate
Concen: 94.17 ng
RT: 11.97 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	546175		
194	3.2	2.7	4.1	
164	9.9	7.8	11.6	

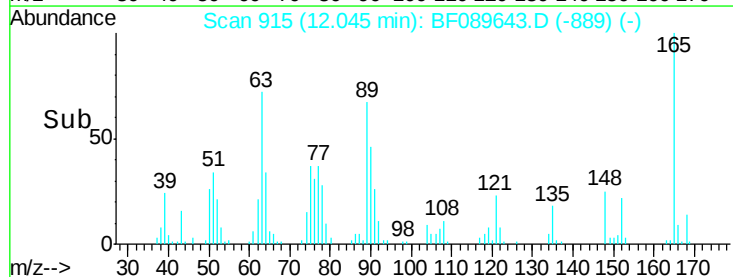
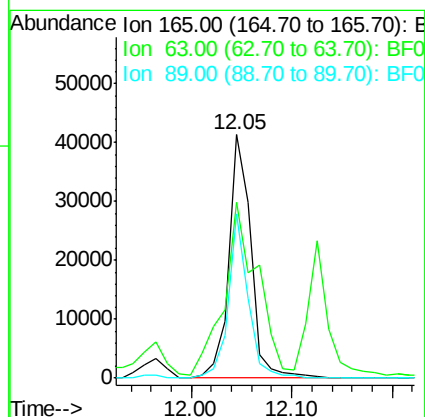
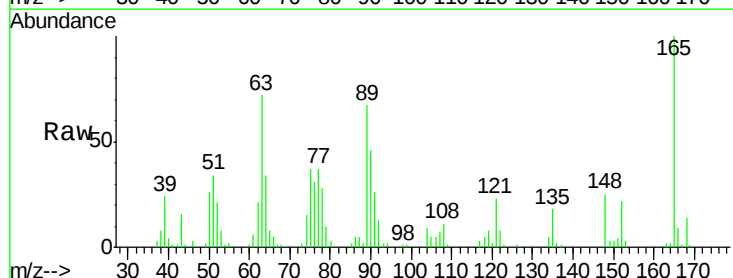
Manual Integrations
APPROVED

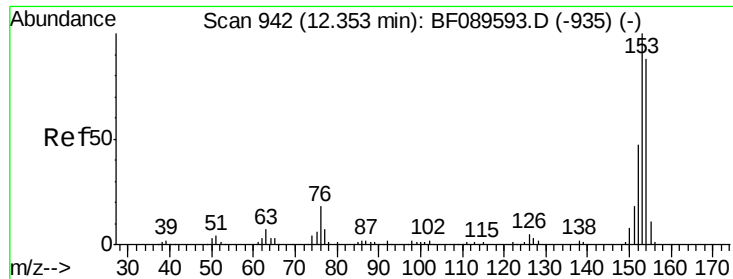
umangi
8/8/2016 9:19:39 AM



#50
2,6-Dinitrotoluene
Concen: 54.60 ng
RT: 12.05 min Scan# 915
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	62965		
63	72.3	44.6	67.0#	
89	67.2	44.2	66.2#	





#51

Acenaphthene

Concen: 46.84 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

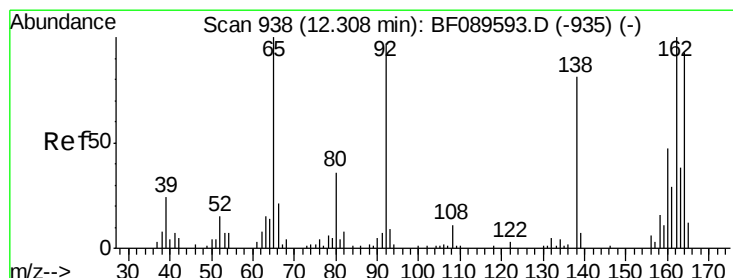
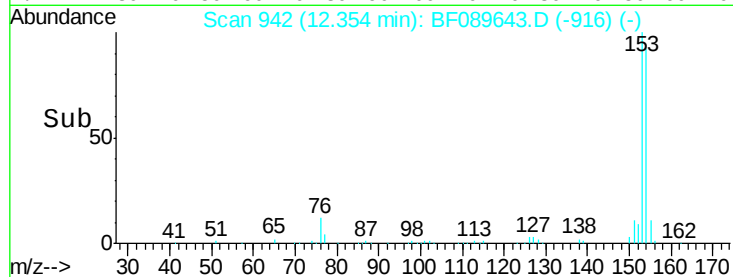
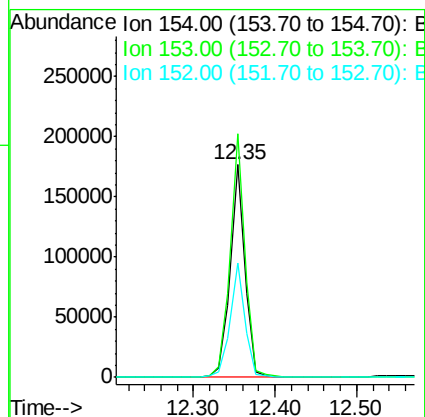
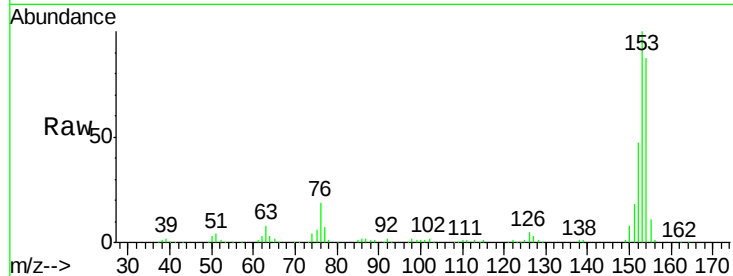
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:	154	Resp:	222995
Ion Ratio	Lower	Upper	
154	100		
153	114.7	91.1	136.7
152	54.0	43.5	65.3

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#52

3-Nitroaniline

Concen: 29.05 ng

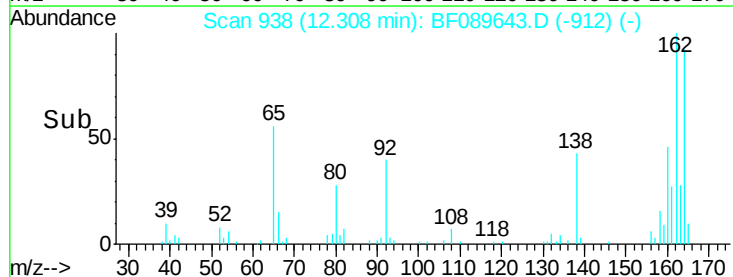
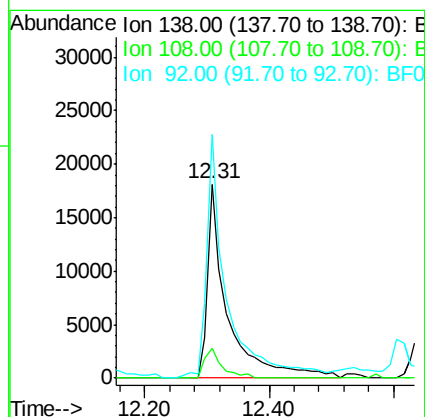
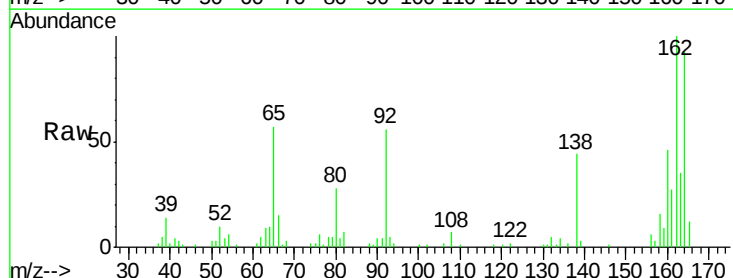
RT: 12.31 min Scan# 938

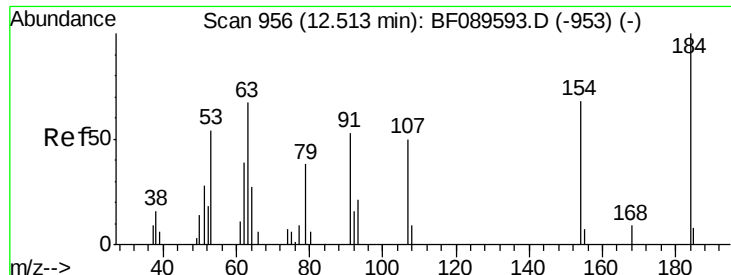
Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	138	Resp:	40066
Ion Ratio	Lower	Upper	
138	100		
108	15.4	10.7	16.1
92	125.4	96.6	145.0





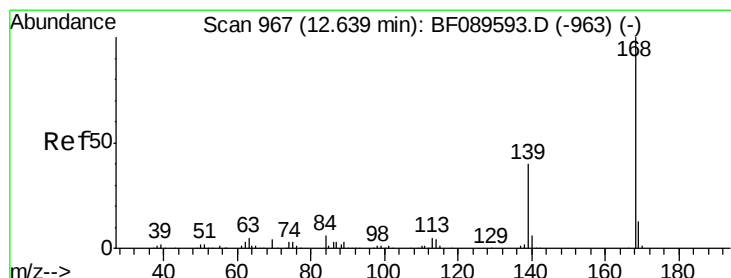
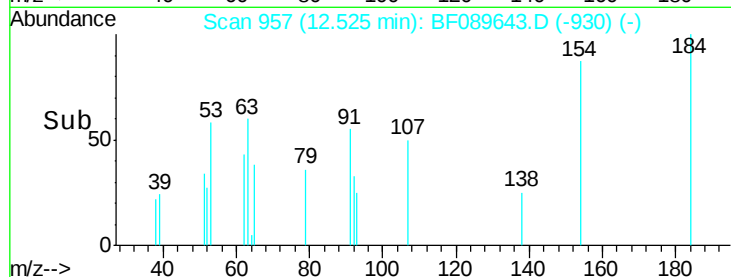
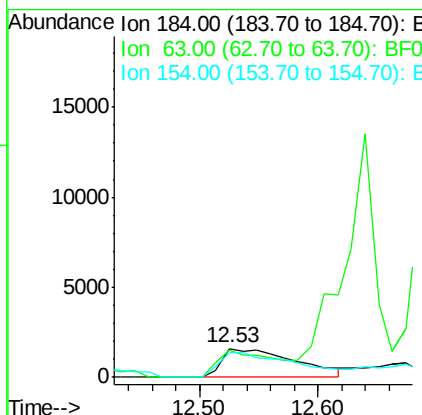
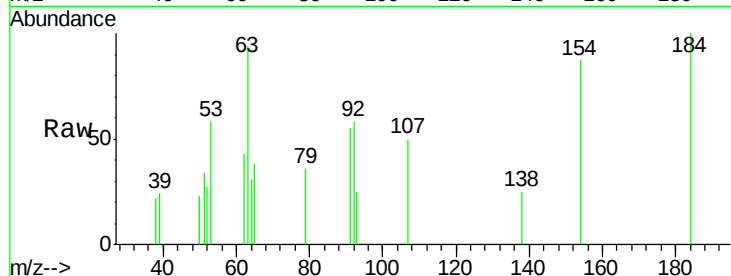
#53
 2,4-Dinitrophenol
 Concen: 21.78 ng
 RT: 12.53 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion:184 Resp: 6807
 Ion Ratio Lower Upper
 184 100
 63 94.2 59.0 88.6#
 154 86.9 60.0 90.0

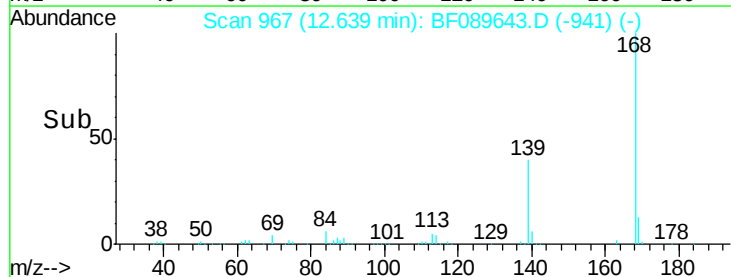
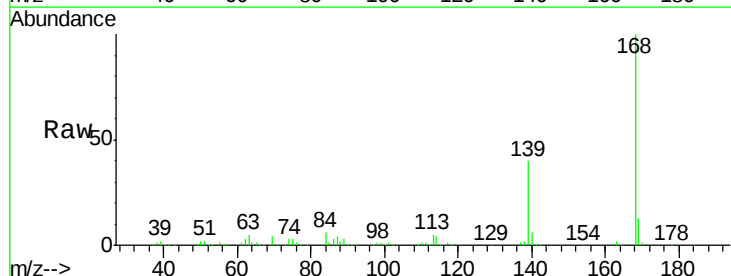
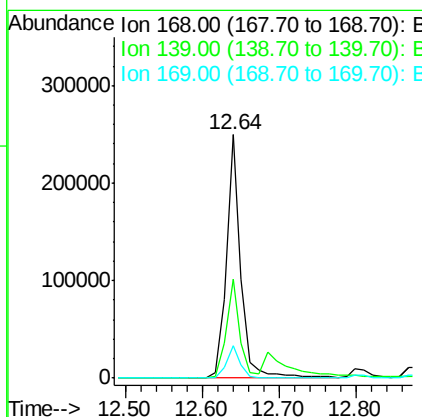
Manual Integrations
 APPROVED

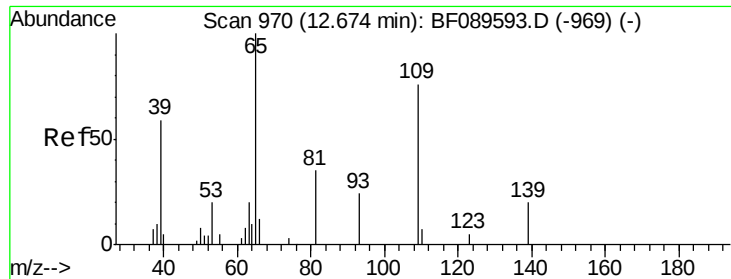
umangi
 8/8/2016 9:19:39 AM



#54
 Dibenzofuran
 Concen: 50.86 ng
 RT: 12.64 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion:168 Resp: 332848
 Ion Ratio Lower Upper
 168 100
 139 40.4 32.3 48.5
 169 13.1 10.6 15.8





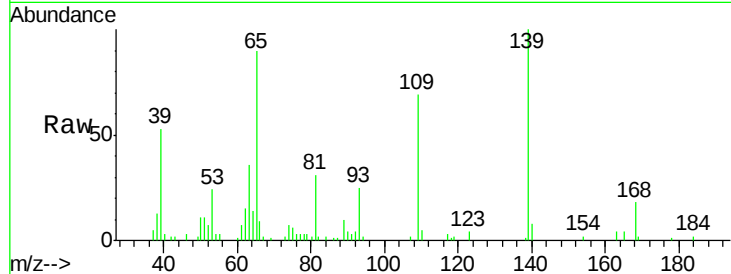
#55
4-Nitrophenol
Concen: 102.02 ng m
RT: 12.69 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

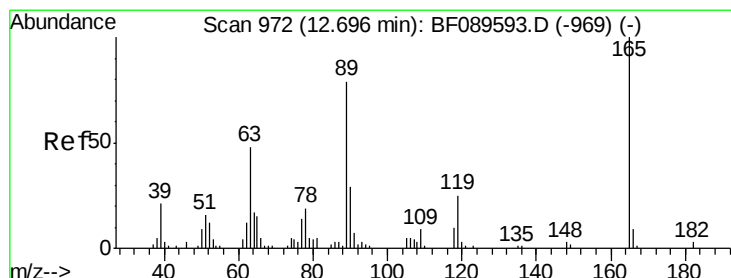
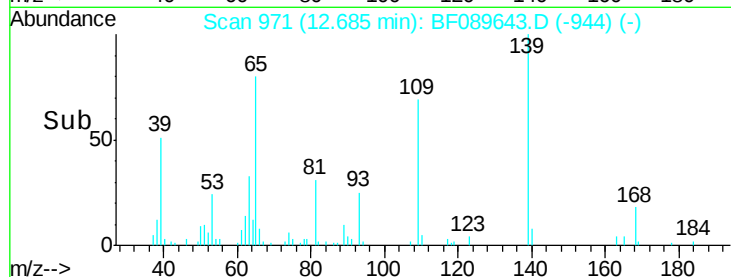
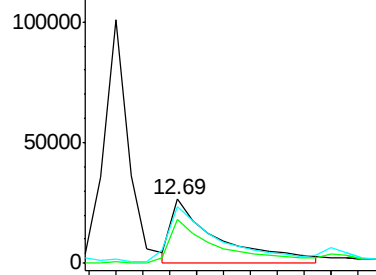
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	64377		
109	69.0	28.9	68.9#	
65	89.7	49.2	89.2#	

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



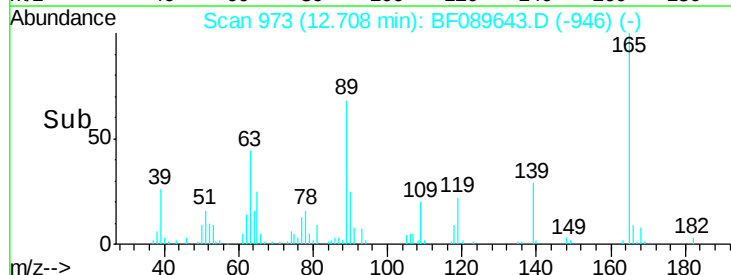
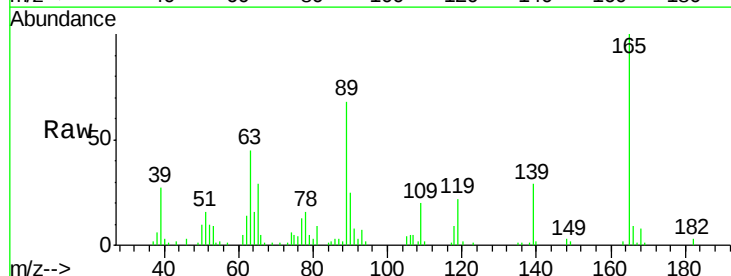
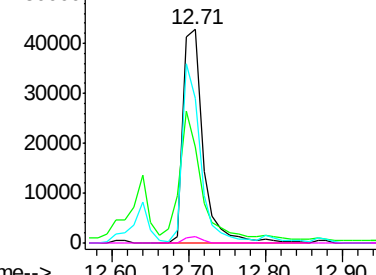
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

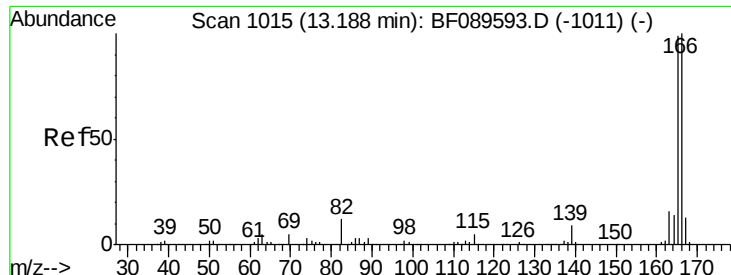


#56
2,4-Dinitrotoluene
Concen: 48.29 ng
RT: 12.71 min Scan# 973
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	78327		
63	45.0	42.2	63.4	
89	67.9	64.4	96.6	
182	2.7	2.1	3.1	

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





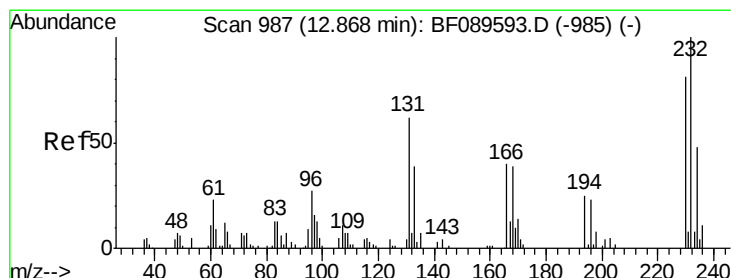
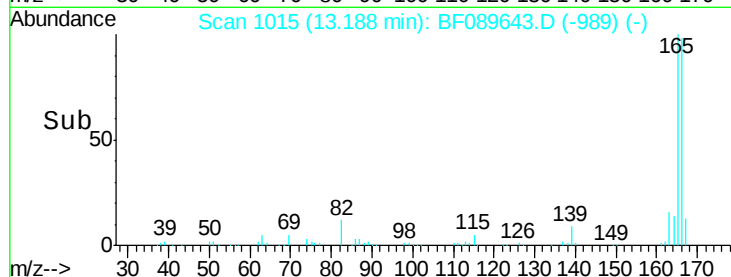
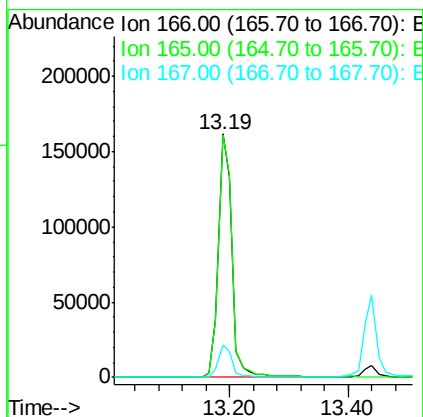
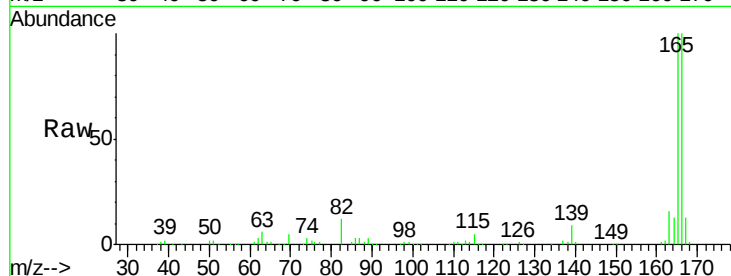
#57
Fluorene
 Concen: 46.05 ng
 RT: 13.19 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.9	118.3
167	13.1	10.4	15.6

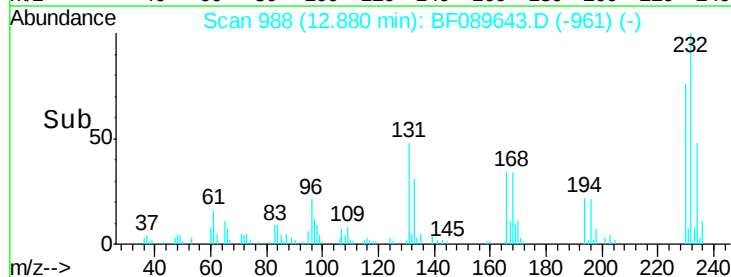
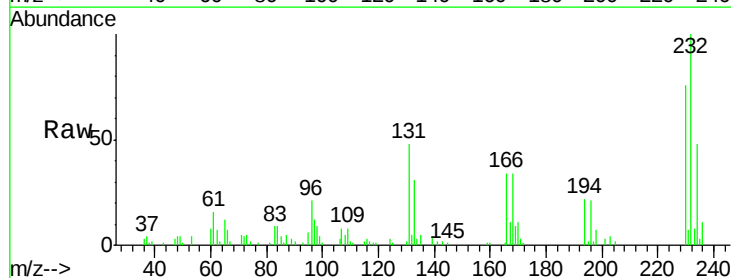
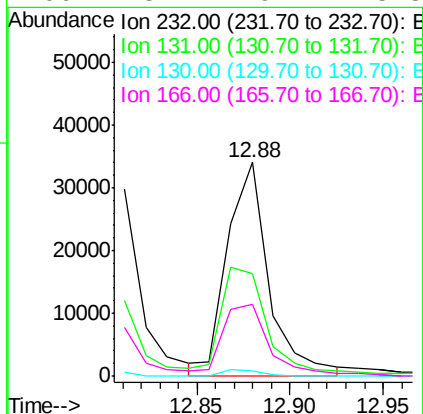
Manual Integrations
 APPROVED

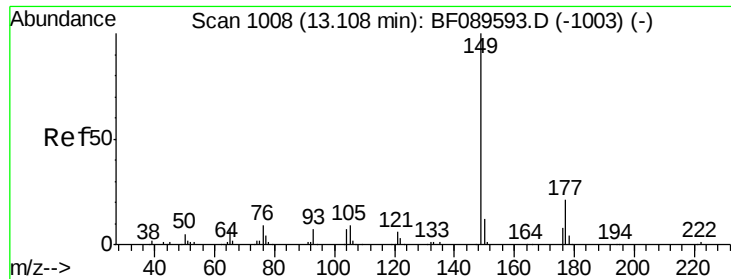
umangi
 8/8/2016 9:19:39 AM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 47.79 ng m
 RT: 12.88 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
232	100		
131	47.3	46.2	69.2
130	2.1	1.7	2.5
166	28.7	29.2	43.8#





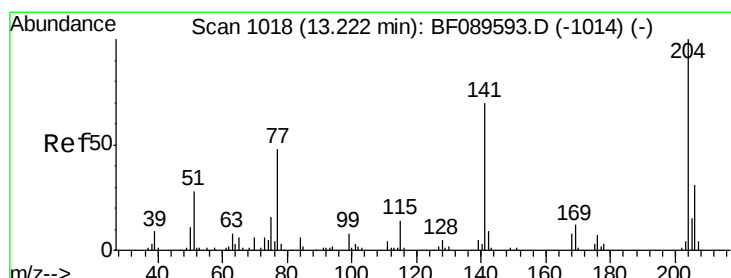
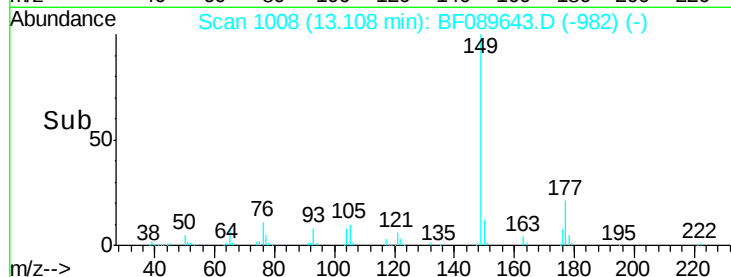
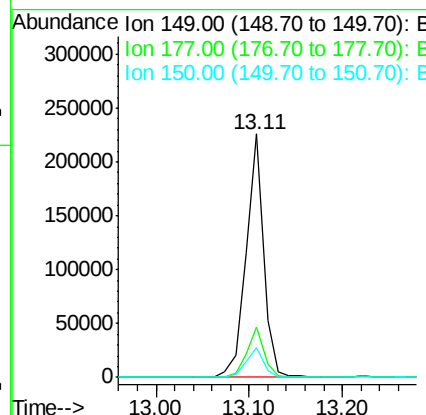
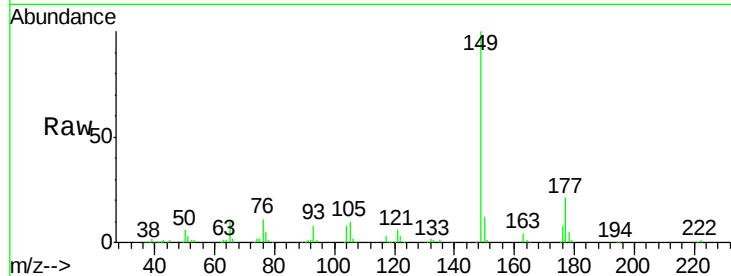
#59
Diethylphthalate
Concen: 49.25 ng
RT: 13.11 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	295369		
177	20.6	16.8	25.2	
150	12.3	9.6	14.4	

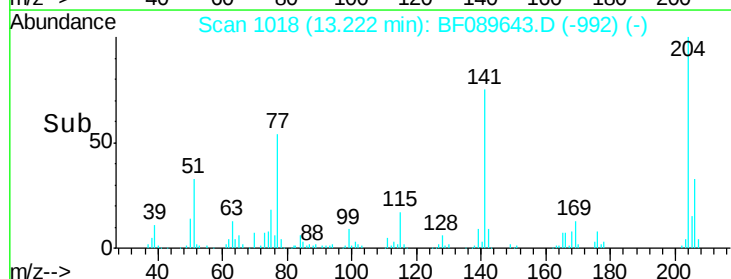
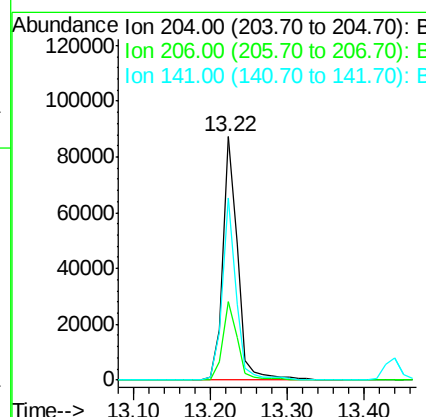
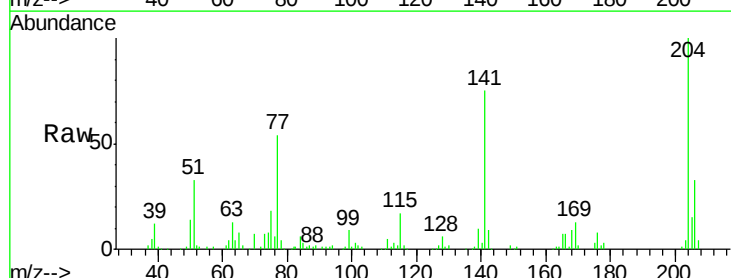
Manual Integrations
APPROVED

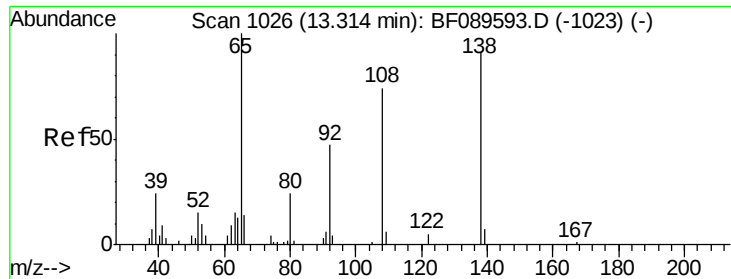
umangi
8/8/2016 9:19:39 AM



#60
4-Chlorophenyl-phenylether
Concen: 45.95 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	117864		
206	32.5	25.0	37.4	
141	74.9	56.2	84.4	





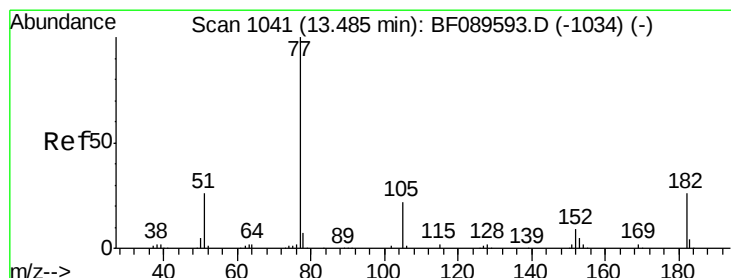
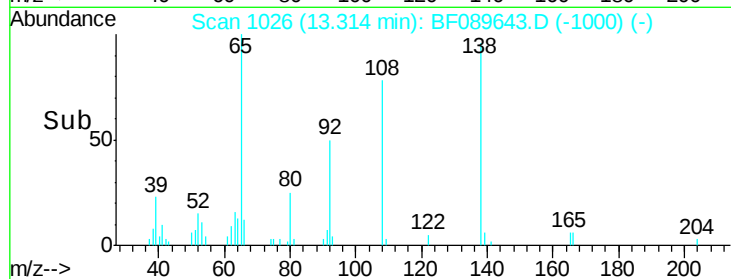
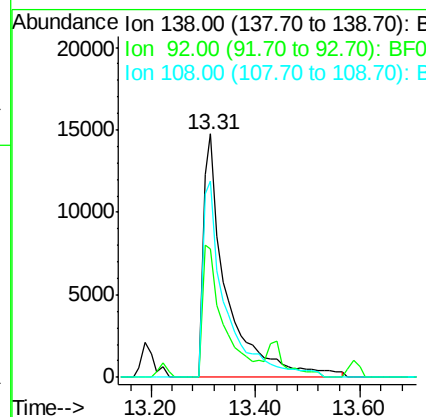
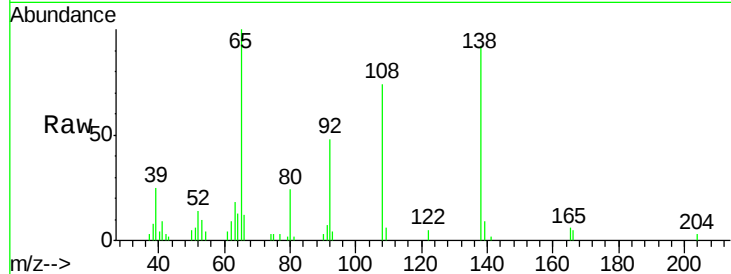
#61
4-Nitroaniline
Concen: 36.78 ng
RT: 13.31 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.5	31.6	71.6
108	80.7	61.5	101.5

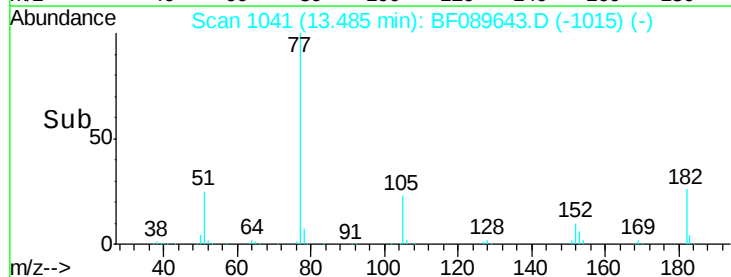
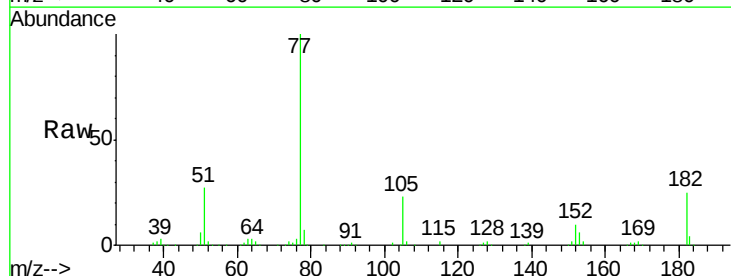
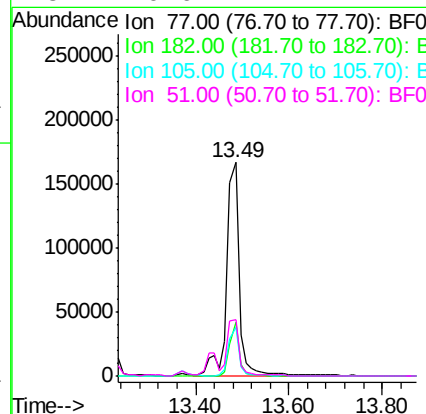
Manual Integrations
APPROVED

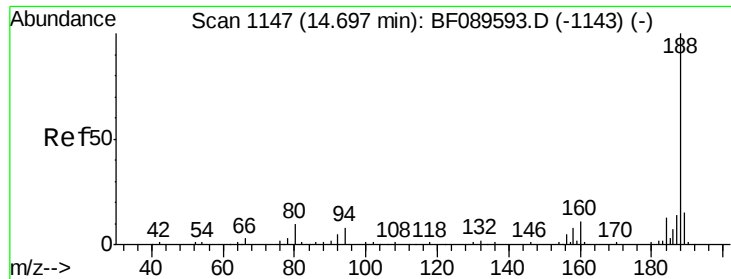
umangi
8/8/2016 9:19:39 AM



#62
Azobenzene
Concen: 52.48 ng
RT: 13.49 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.3	5.8	45.8
105	22.7	2.9	42.9
51	26.6	7.2	47.2





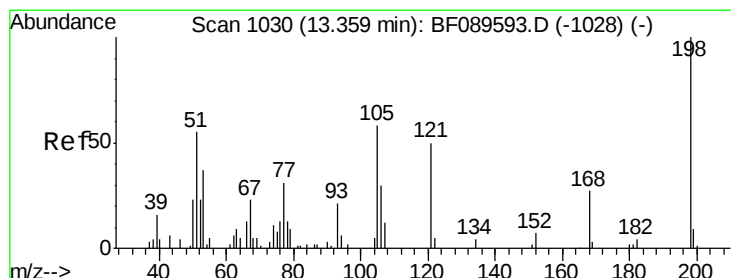
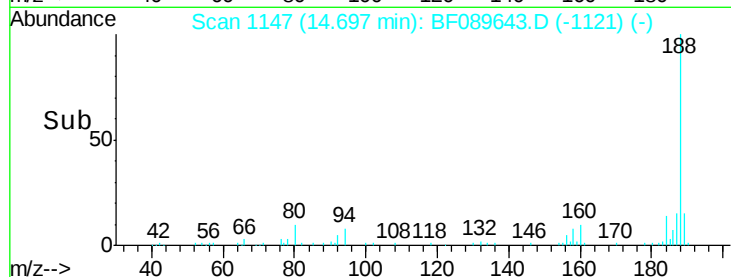
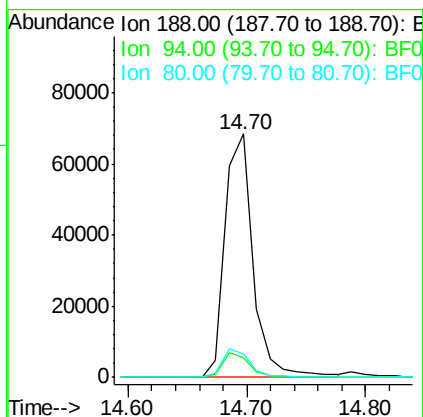
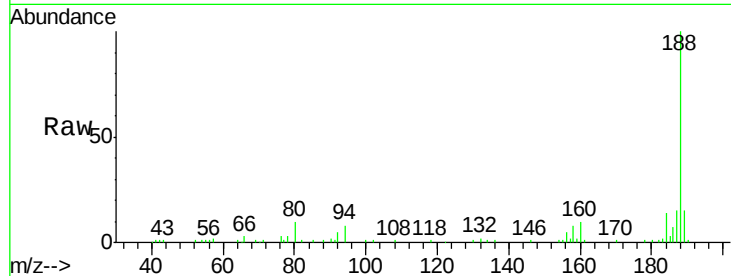
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.70 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.2	6.5	9.7
80	9.7	8.0	12.0

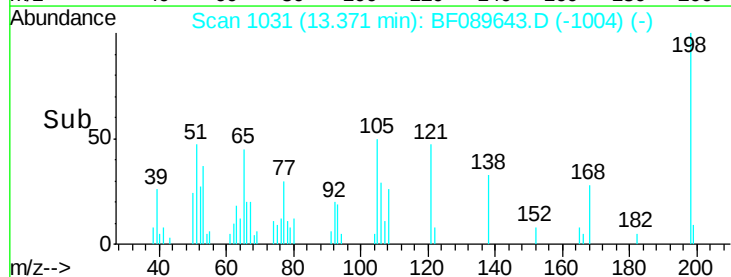
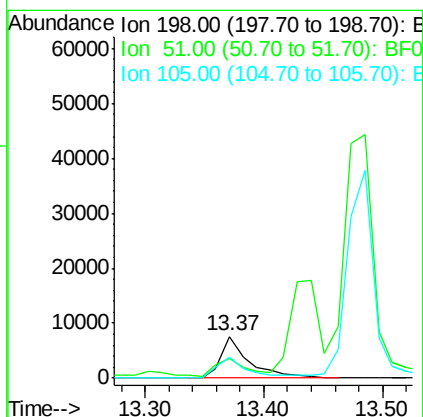
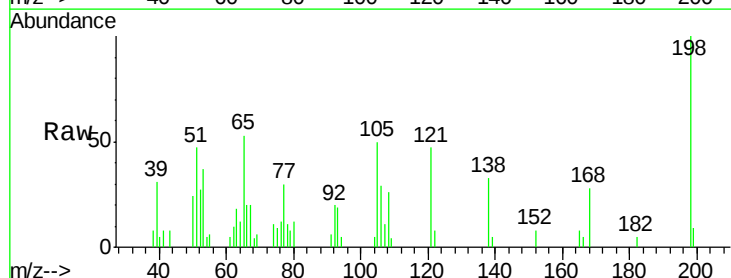
Manual Integrations
 APPROVED

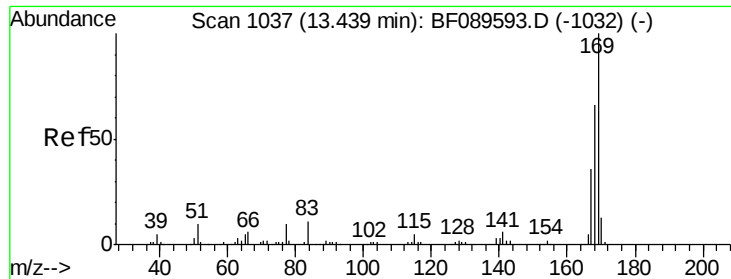
umangi
 8/8/2016 9:19:39 AM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 21.45 ng
 RT: 13.37 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	46.6	38.9	78.9
105	49.8	38.1	78.1





#65

n-Nitrosodiphenylamine

Concen: 58.00 ng

RT: 13.44 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

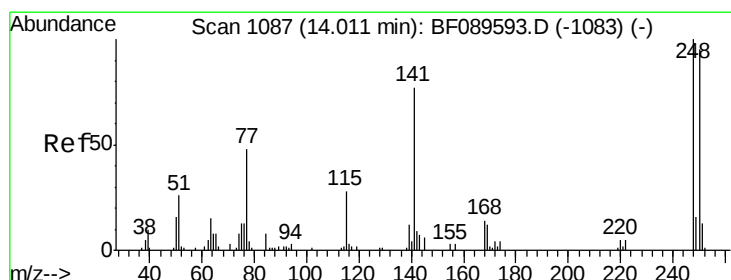
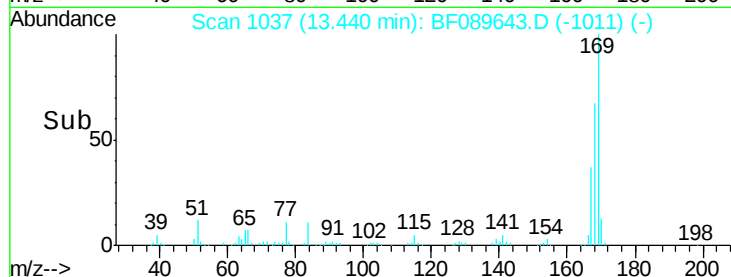
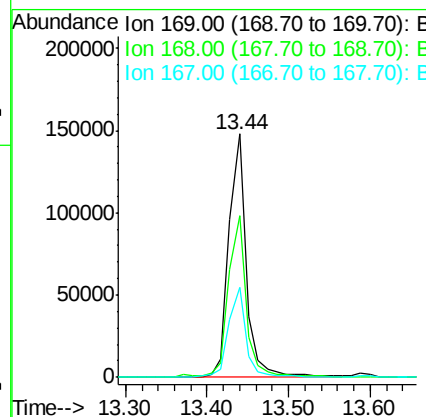
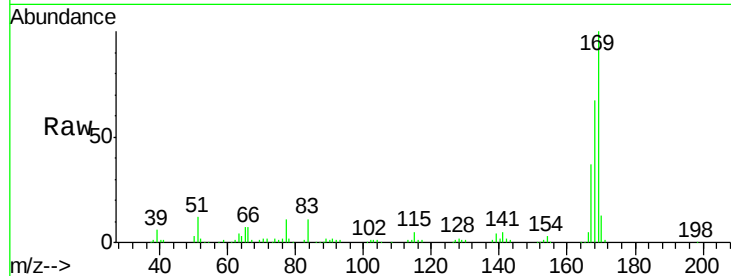
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:	169	Resp:	220142
Ion Ratio		Lower	Upper
169	100		
168	66.5	54.2	81.2
167	37.0	28.9	43.3

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#66

4-Bromophenyl-phenylether

Concen: 57.45 ng

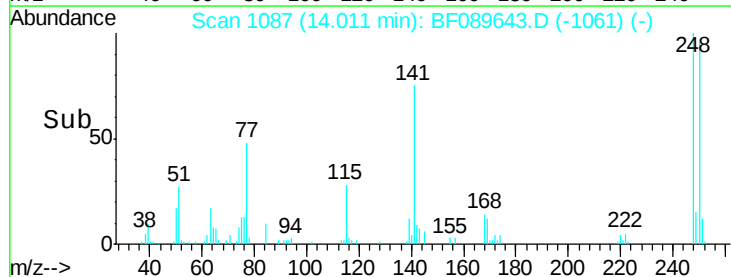
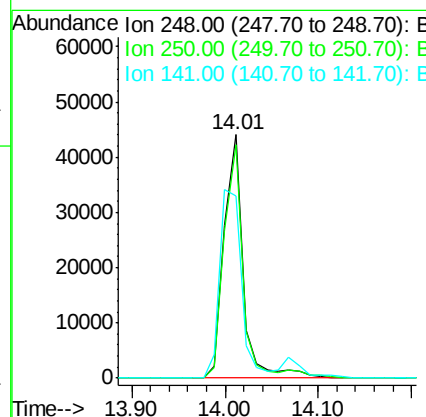
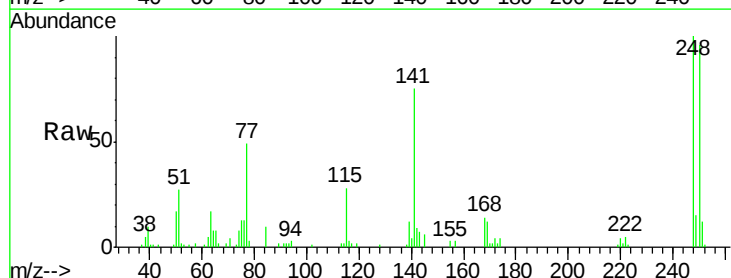
RT: 14.01 min Scan# 1087

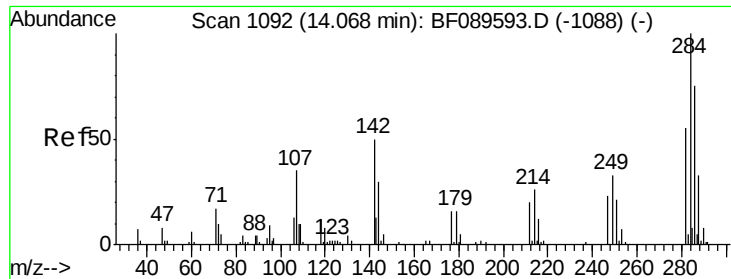
Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	248	Resp:	62444
Ion Ratio		Lower	Upper
248	100		
250	95.7	76.2	114.2
141	75.0	61.3	91.9





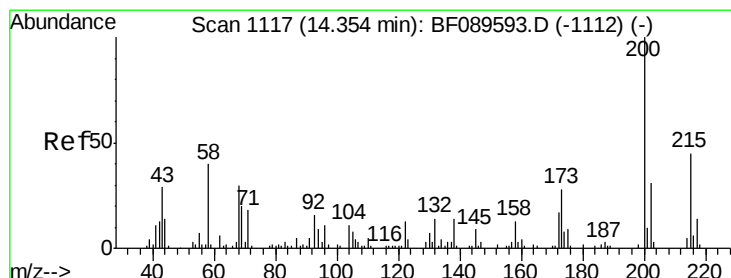
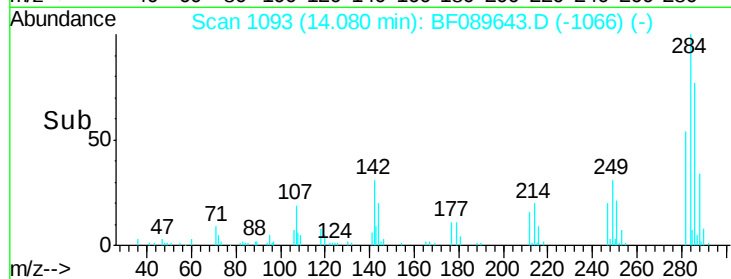
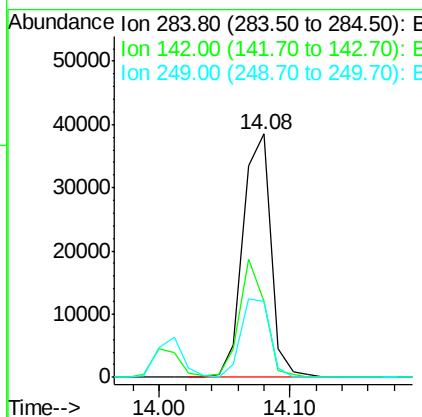
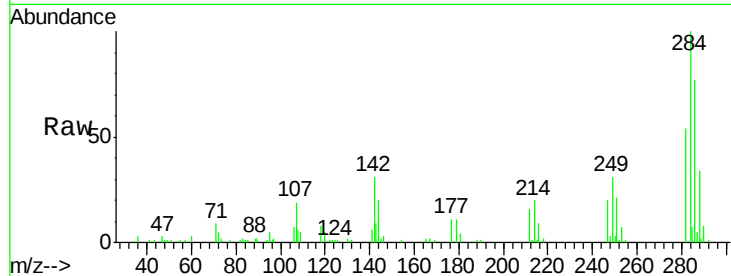
#67
Hexachlorobenzene
Concen: 47.78 ng
RT: 14.08 min Scan# 1093
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	57134		
142	31.2	41.4	62.0	
249	31.4	28.6	43.0	

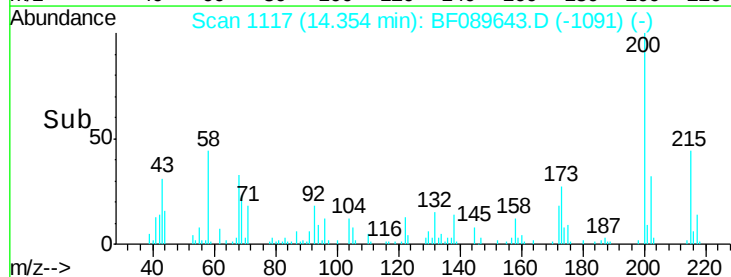
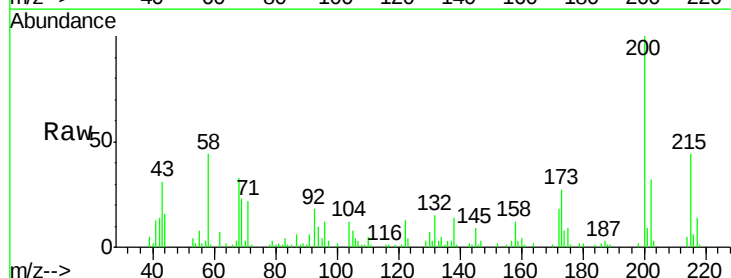
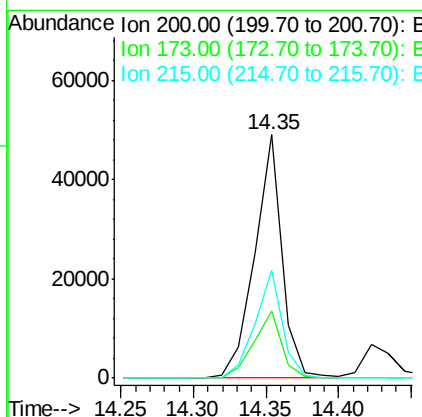
Manual Integrations
APPROVED

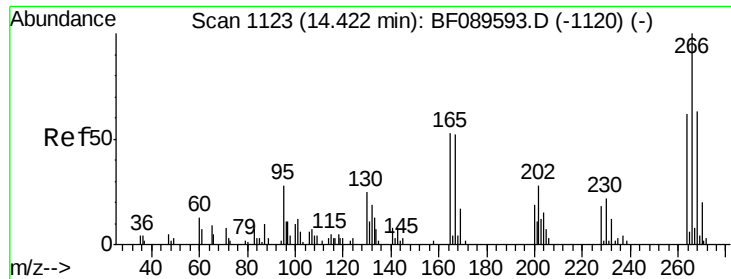
umangi
8/8/2016 9:19:39 AM



#68
Atrazine
Concen: 60.75 ng
RT: 14.35 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	64377		
173	27.5	8.2	48.2	
215	44.5	24.9	64.9	





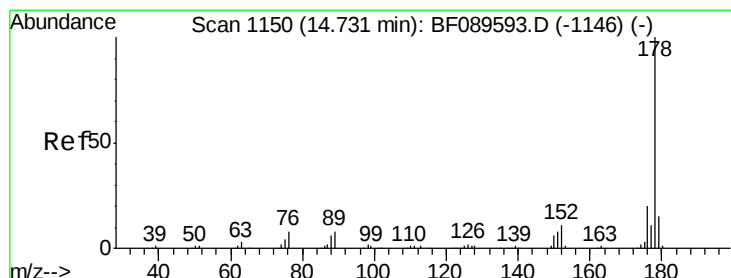
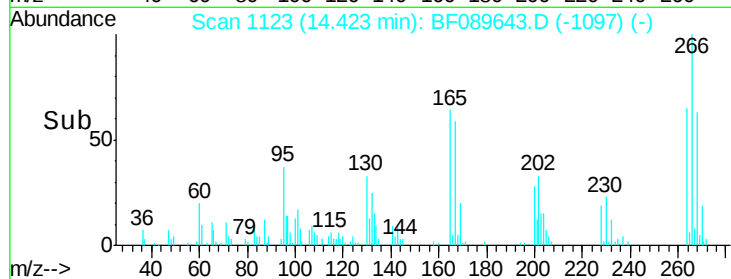
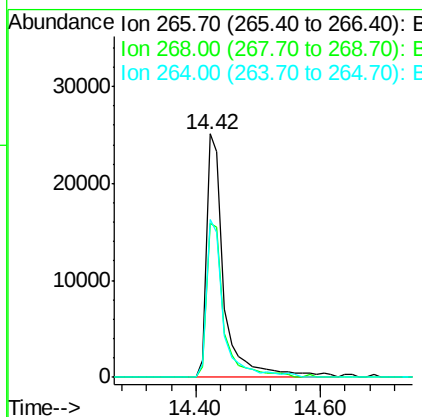
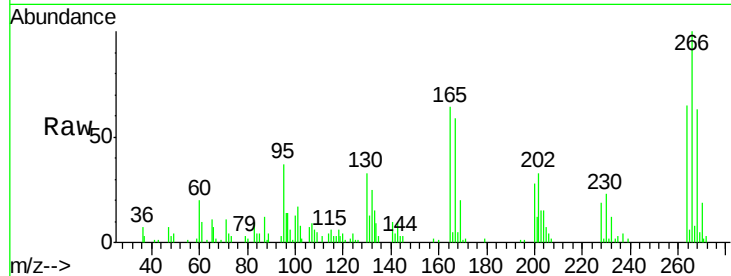
#69
 Pentachlorophenol
 Concen: 95.09 ng
 RT: 14.42 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.6	75.8
264	65.0	49.5	74.3

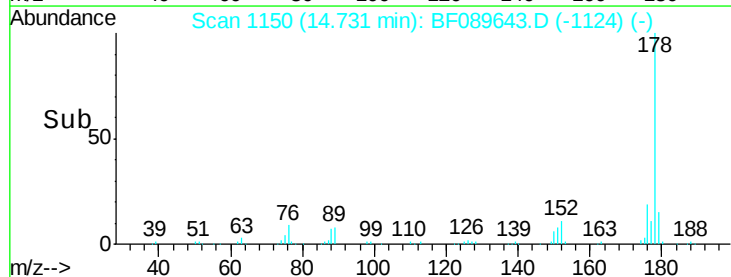
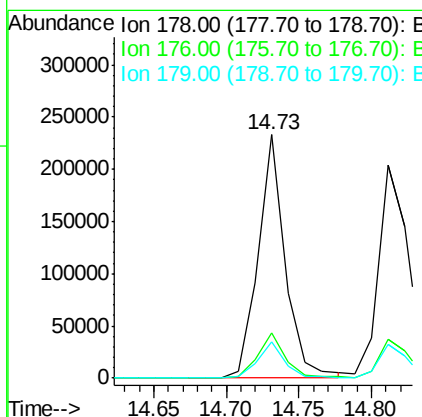
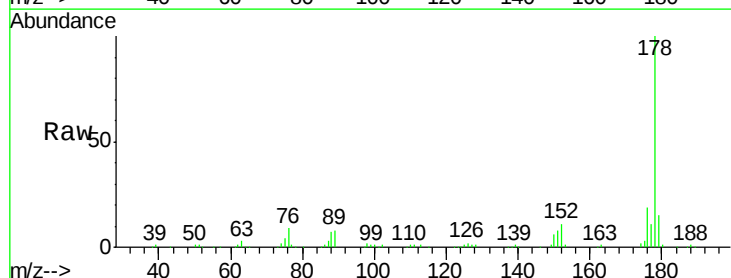
Manual Integrations
 APPROVED

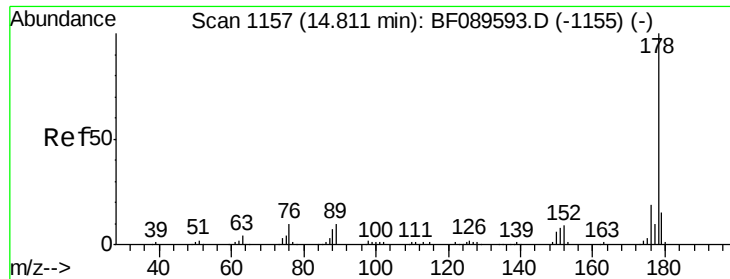
umangi
 8/8/2016 9:19:39 AM



#70
 Phenanthrene
 Concen: 49.50 ng
 RT: 14.73 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	14.9	12.2	18.2





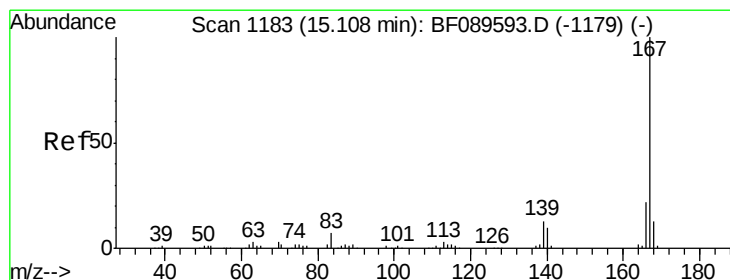
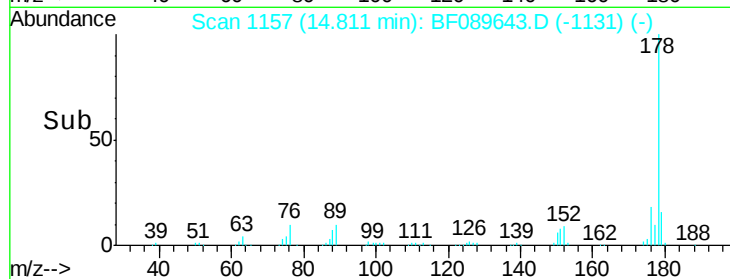
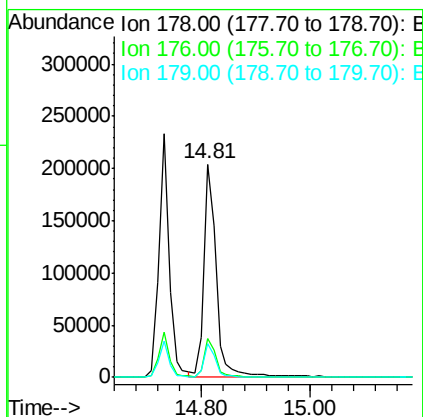
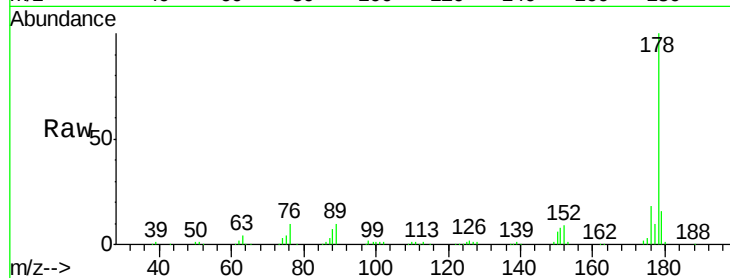
#71
 Anthracene
 Concen: 48.37 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.6	12.4	18.6

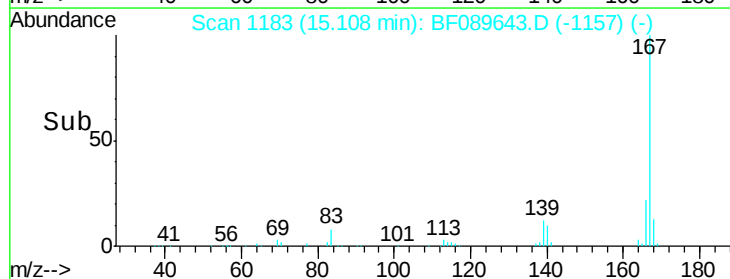
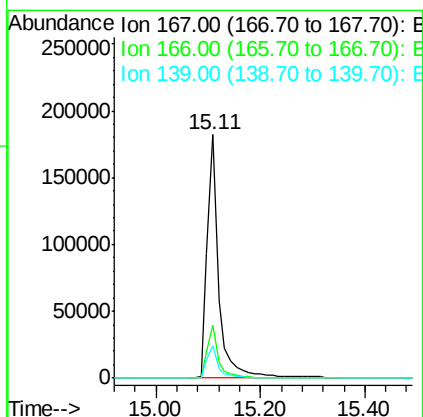
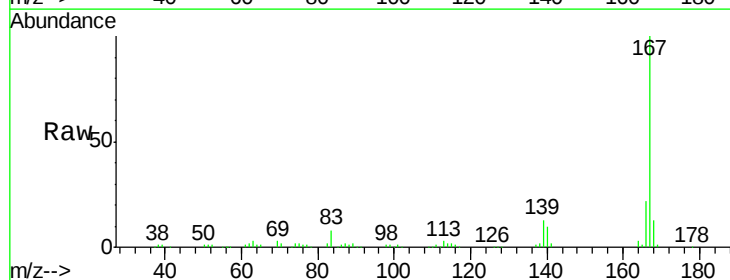
Manual Integrations
 APPROVED

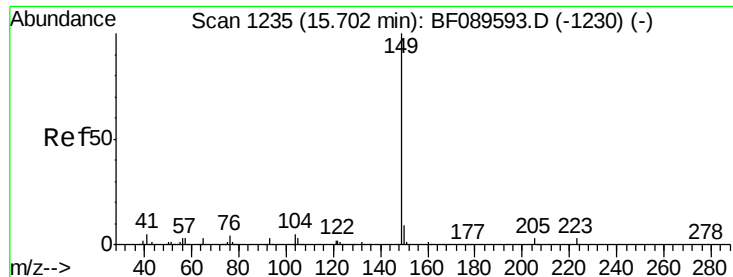
umangi
 8/8/2016 9:19:39 AM



#72
 Carbazole
 Concen: 51.66 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.1	10.4	15.6





#73

Di-n-butylphthalate

Concen: 52.95 ng

RT: 15.70 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

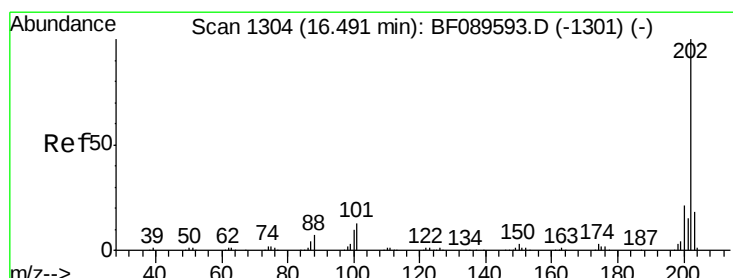
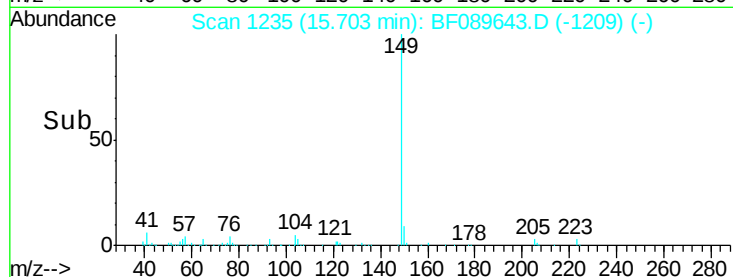
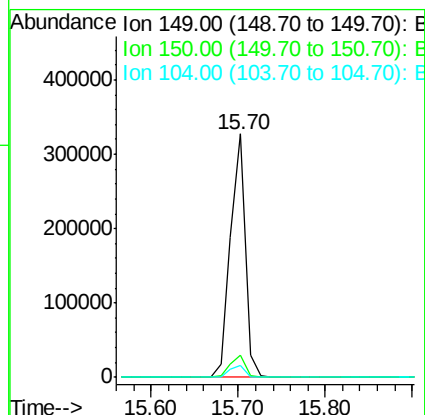
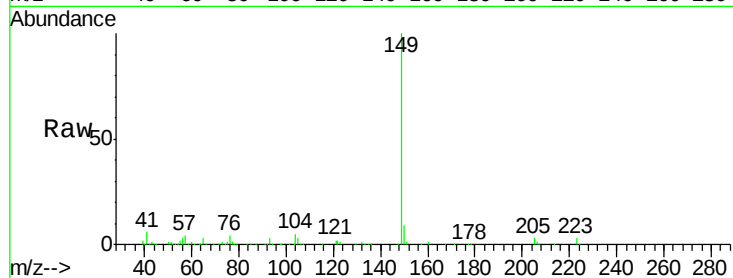
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:	149	Resp:	391022
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.2	10.8
104	4.7	3.8	5.8

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#74

Fluoranthene

Concen: 44.21 ng

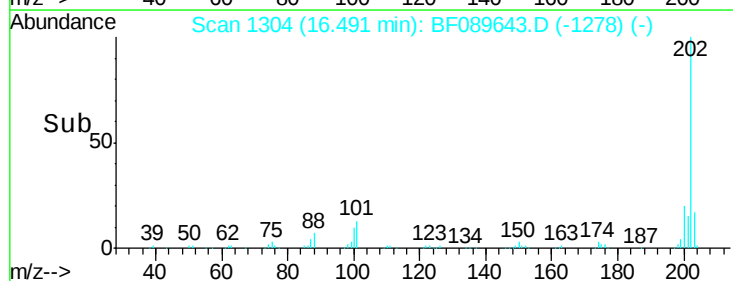
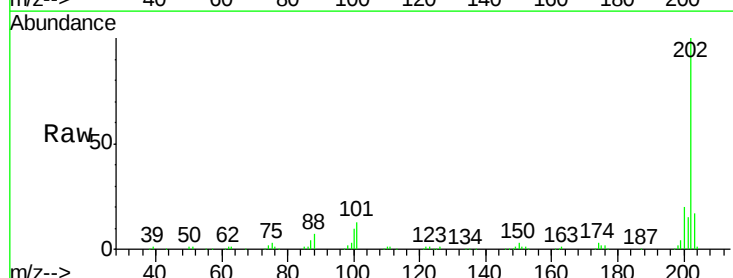
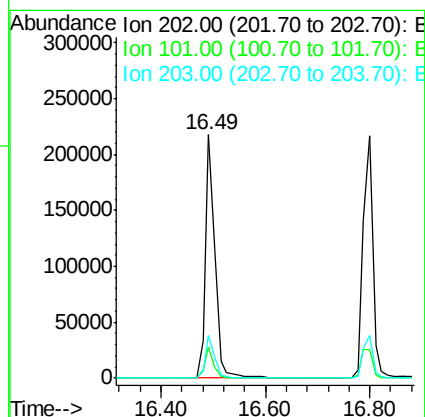
RT: 16.49 min Scan# 1304

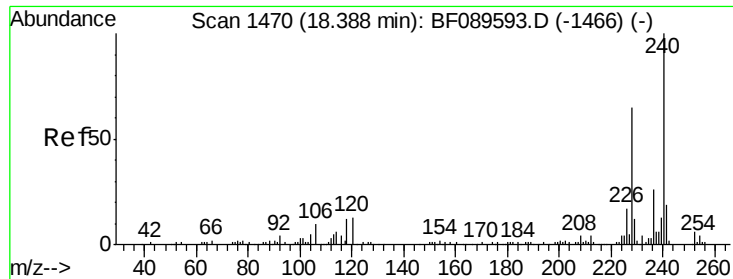
Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion:	202	Resp:	277691
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	32.7
203	17.3	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.39 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

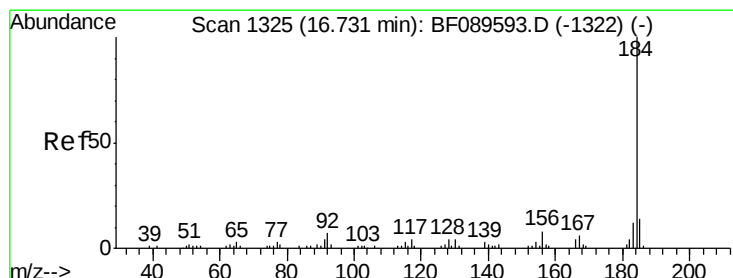
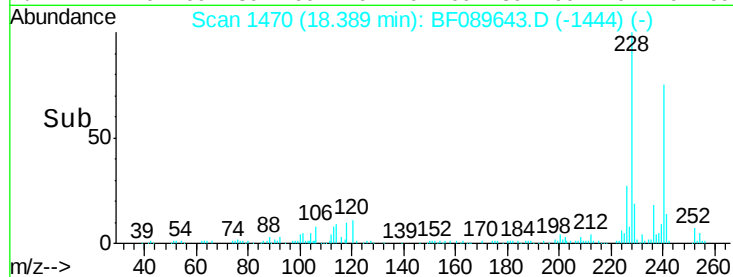
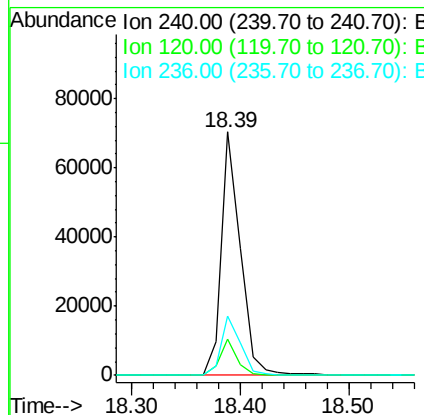
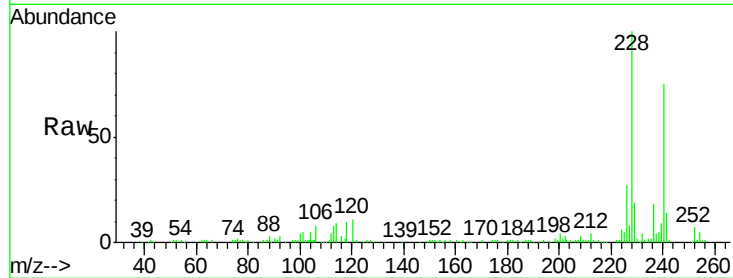
ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	86539		
120	14.7		10.6	15.8
236	24.4		20.6	30.8

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#76

Benzidine

Concen: 52.04 ng

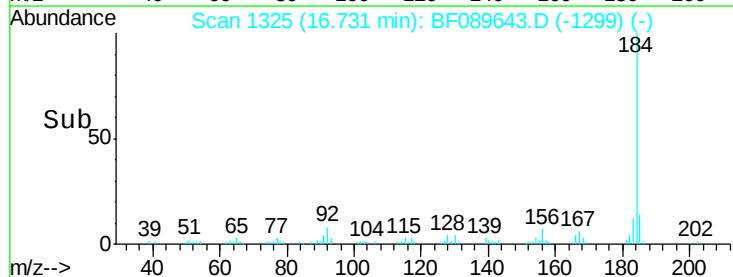
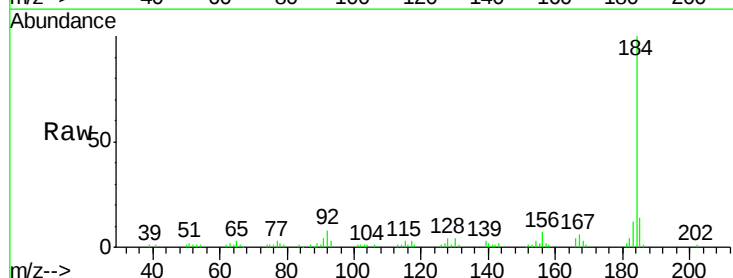
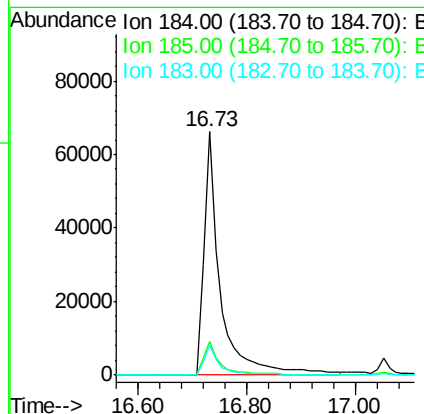
RT: 16.73 min Scan# 1325

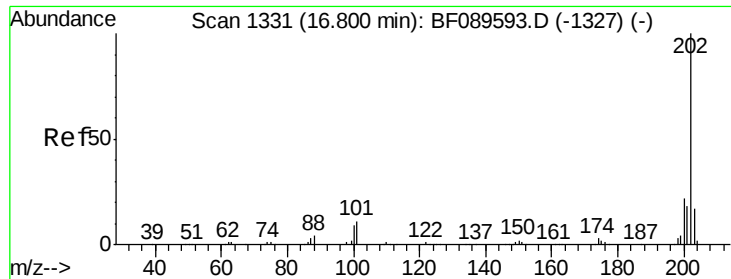
Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	136503		
185	13.7		11.5	17.3
183	12.3		9.8	14.8





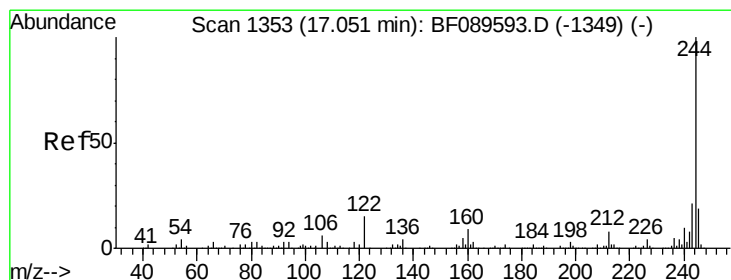
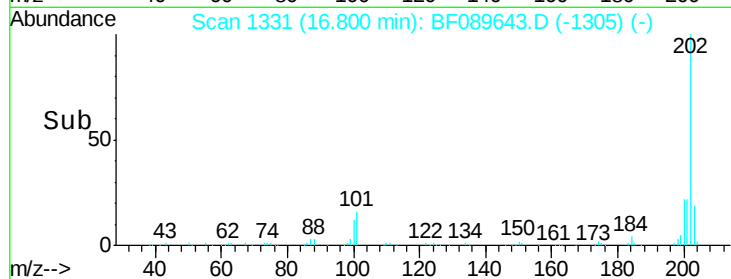
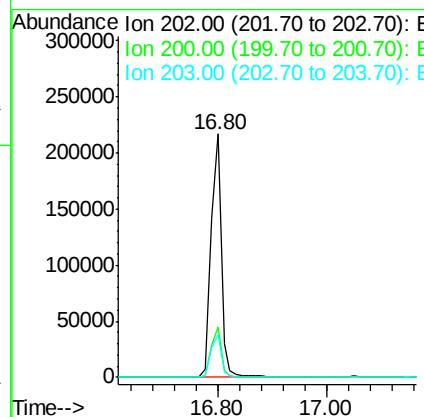
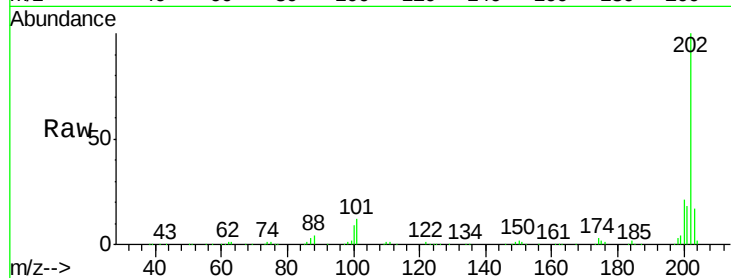
#77
 Pyrene
 Concen: 37.33 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	17.4	26.0
203	17.5	13.6	20.4

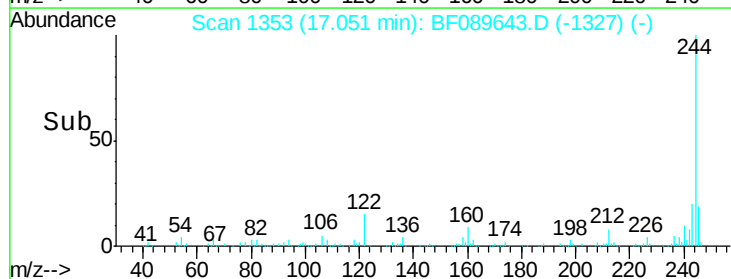
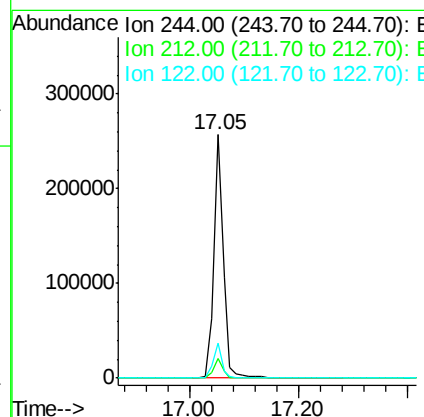
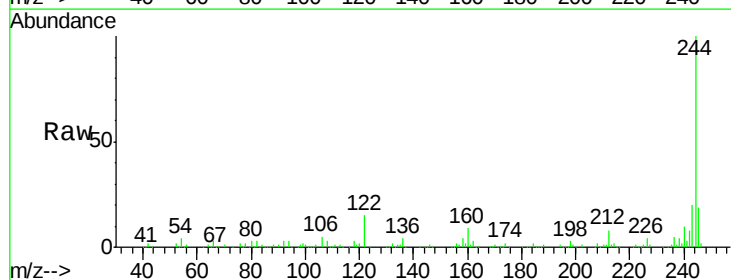
Manual Integrations
 APPROVED

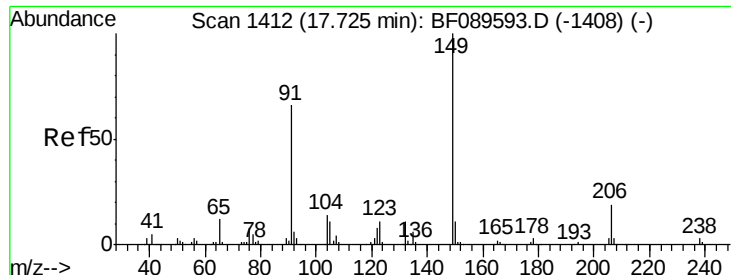
umangi
 8/8/2016 9:19:39 AM



#78
 Terphenyl-d14
 Concen: 71.49 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.3	6.4	9.6
122	14.6	12.2	18.2





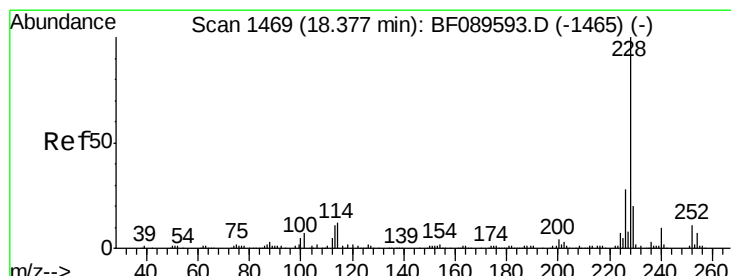
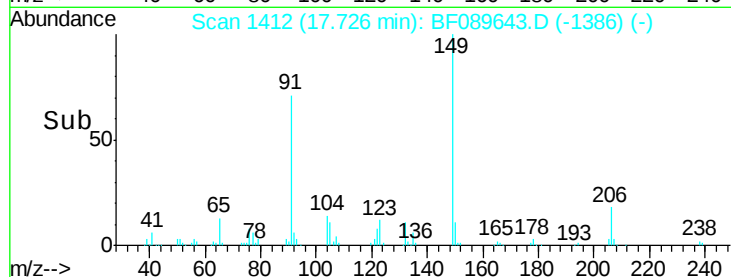
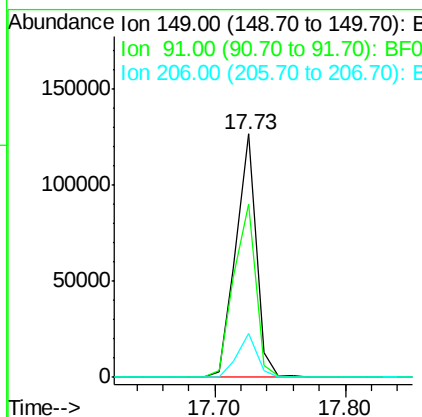
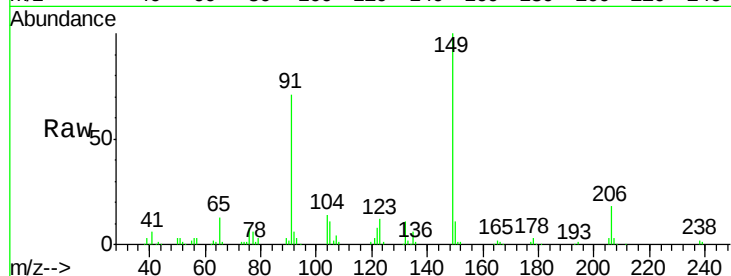
#79
Butylbenzylphthalate
Concen: 42.39 ng
RT: 17.73 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	138032		
91	71.1	52.6	78.8	
206	18.0	15.4	23.0	

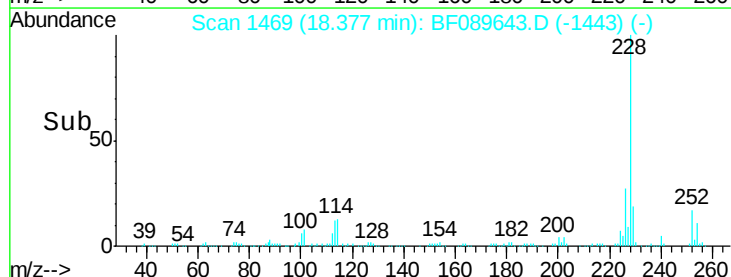
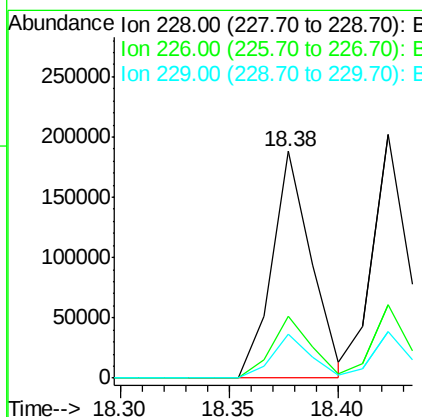
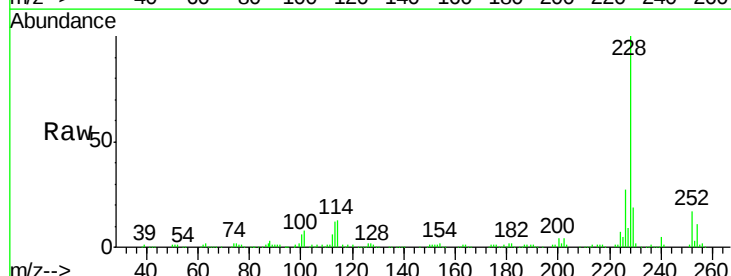
Manual Integrations
APPROVED

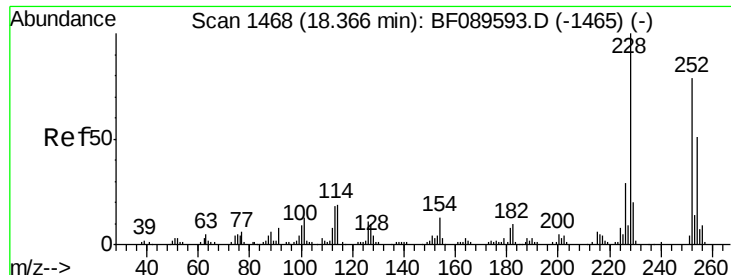
umangi
8/8/2016 9:19:39 AM



#80
Benzo(a)anthracene
Concen: 47.69 ng
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	237132		
226	27.2	22.3	33.5	
229	19.4	15.9	23.9	





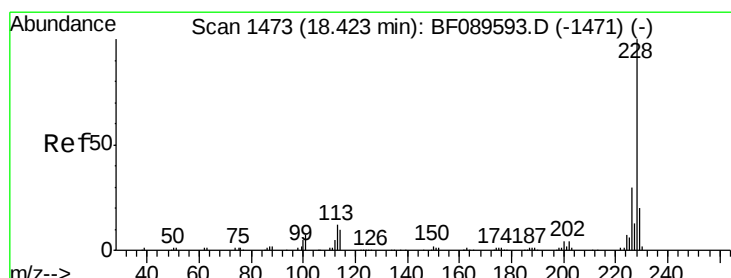
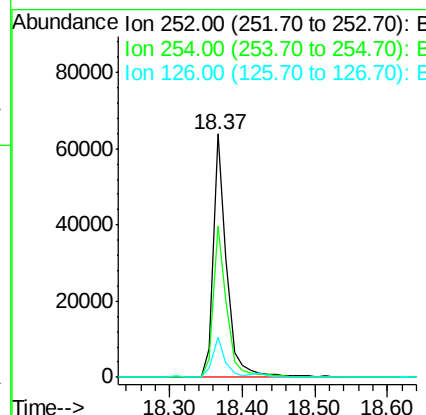
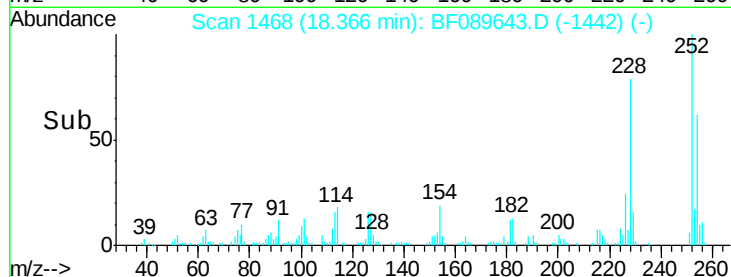
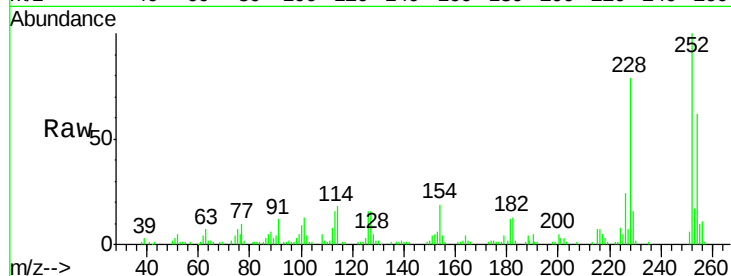
#81
 3,3'-Dichlorobenzidine
 Concen: 52.11 ng
 RT: 18.37 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.7	77.5
126	16.2	11.0	16.4

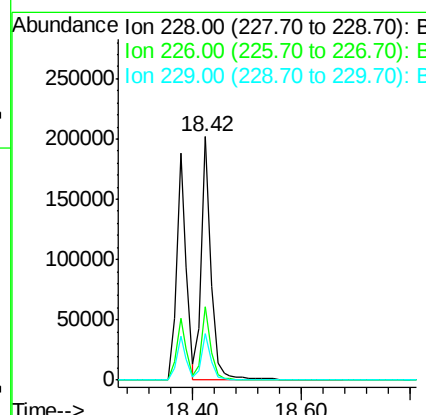
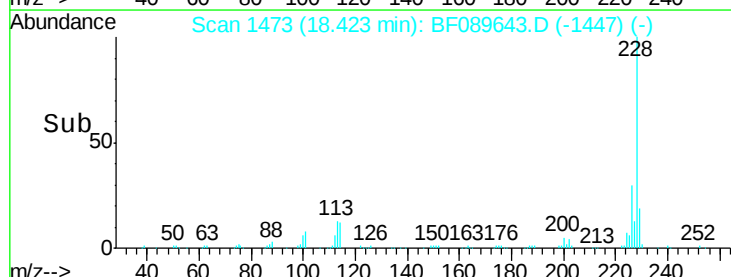
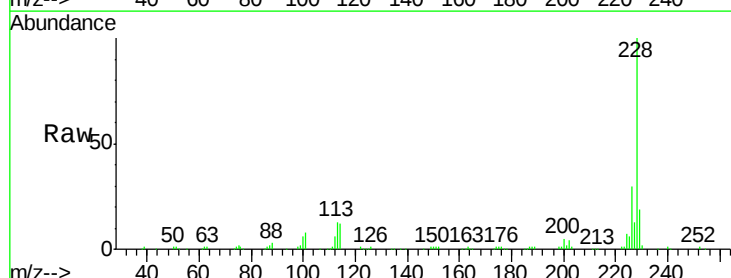
Manual Integrations
 APPROVED

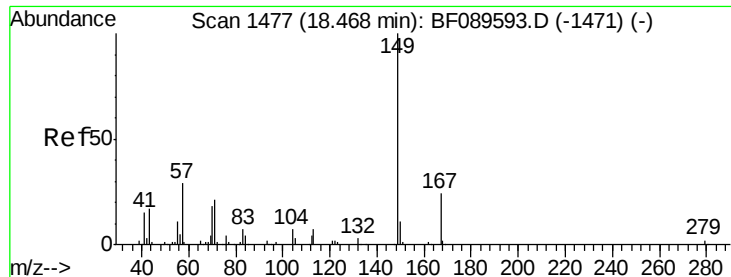
umangi
 8/8/2016 9:19:39 AM



#82
 Chrysene
 Concen: 47.59 ng
 RT: 18.42 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.4	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.41 ng

RT: 18.48 min Scan# 1478

Delta R.T. 0.01 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

Instrument :

BNA_F

ClientSampleId :

LOCATION-46D-9-11MSD

Tgt Ion:149 Resp: 200188

Ion Ratio Lower Upper

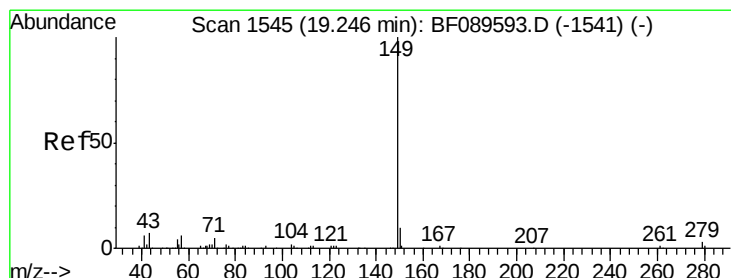
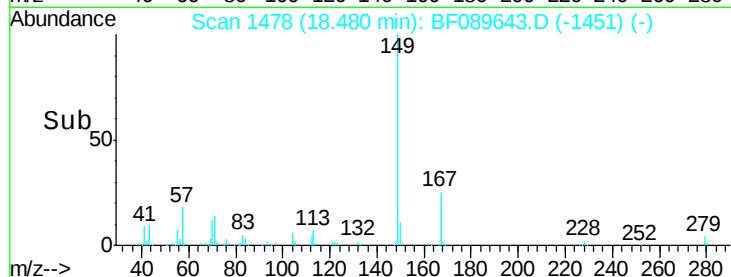
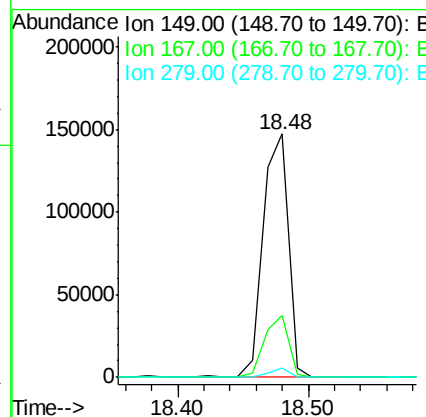
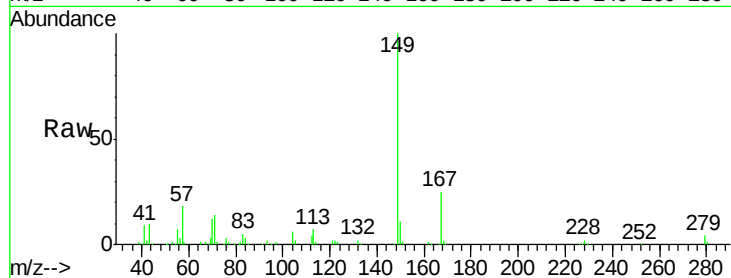
149 100

167 25.5 19.0 28.4

279 3.6 1.8 2.6#

Manual Integrations
APPROVED

umangi
8/8/2016 9:19:39 AM



#84

Di-n-octyl phthalate

Concen: 53.93 ng

RT: 19.25 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BF089643.D

Acq: 5 Aug 2016 22:15

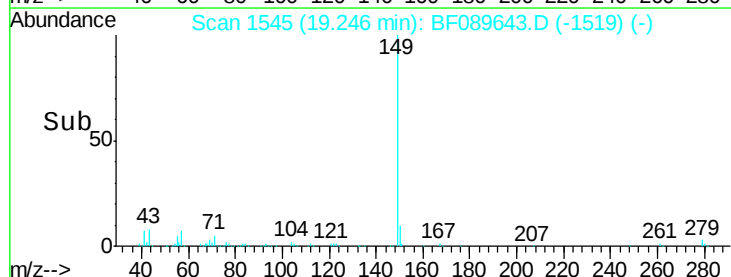
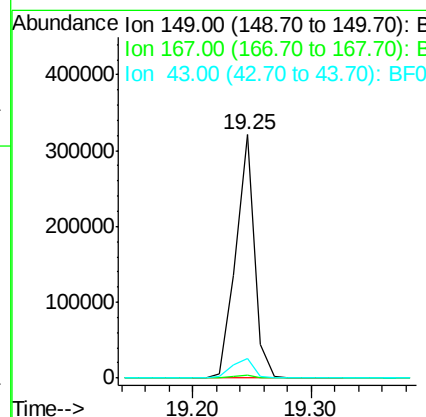
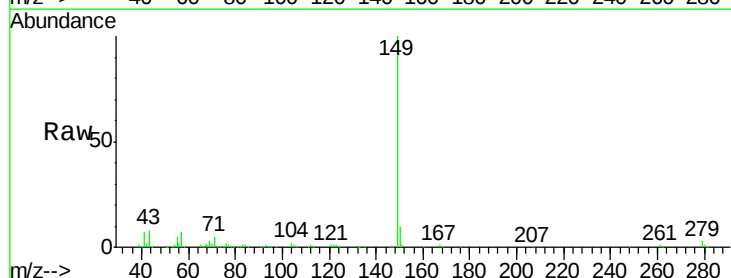
Tgt Ion:149 Resp: 349820

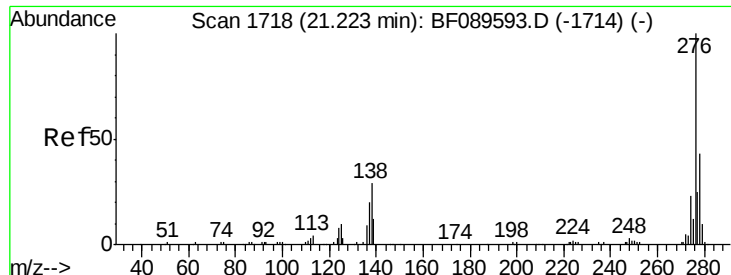
Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 9.3 7.0 10.4





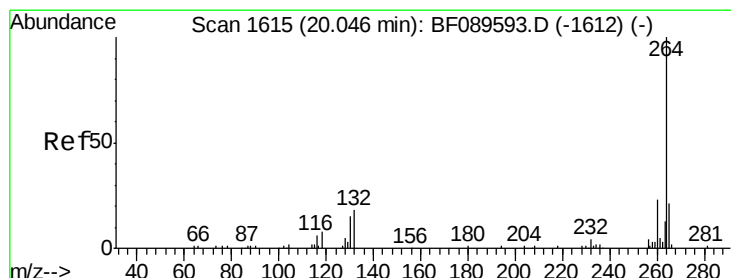
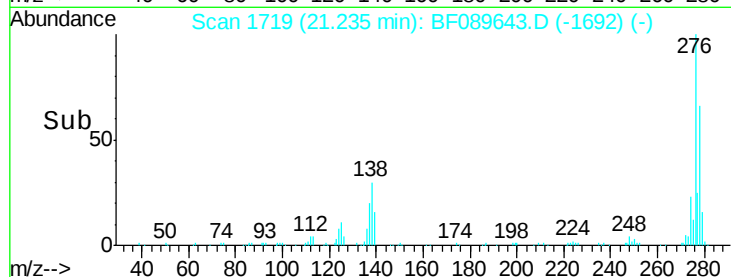
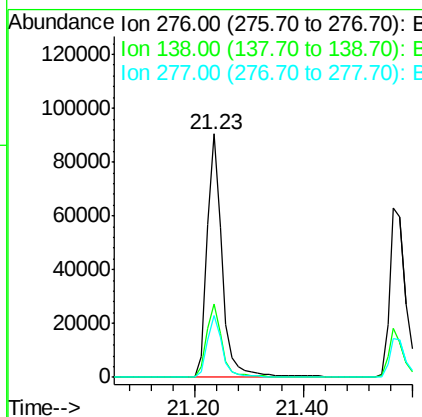
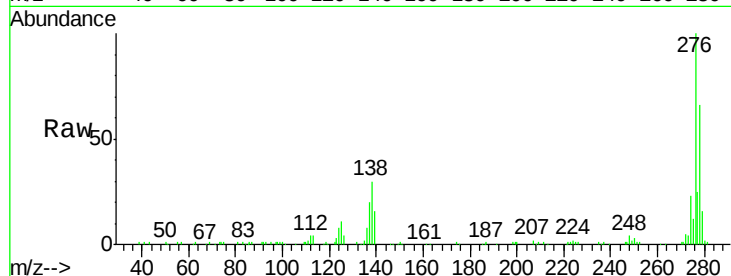
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.22 ng
 RT: 21.23 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.5	23.8	35.8
277	25.5	20.3	30.5

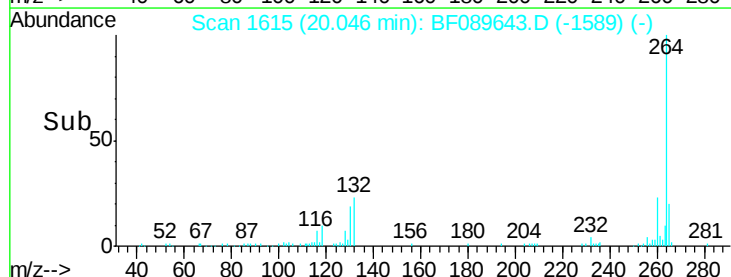
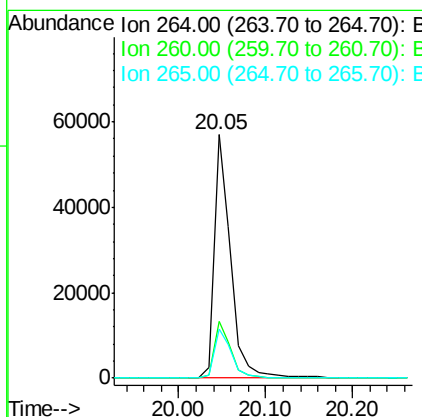
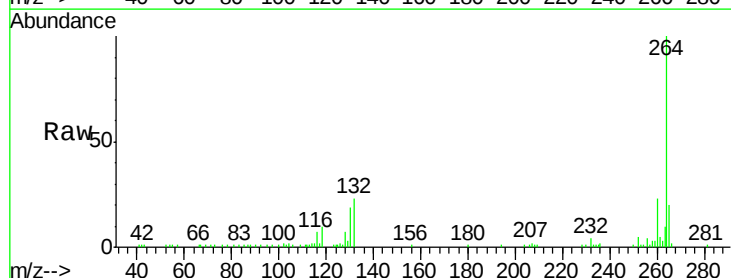
Manual Integrations
 APPROVED

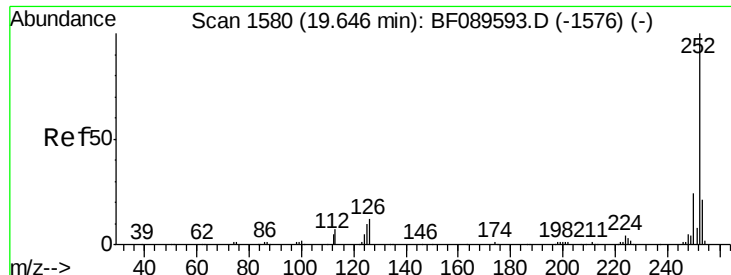
umangi
 8/8/2016 9:19:39 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	20.4	16.5	24.7





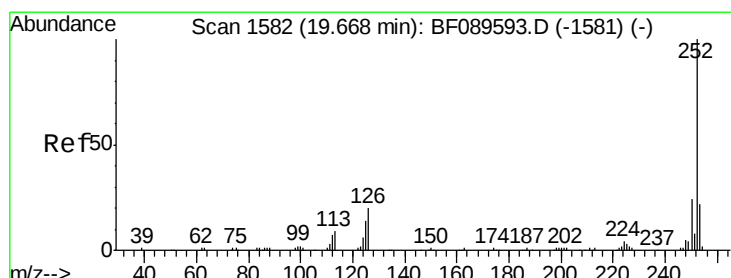
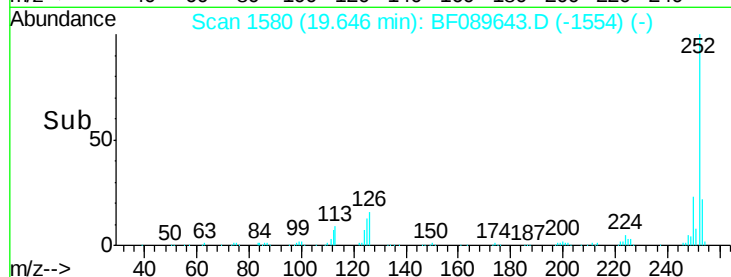
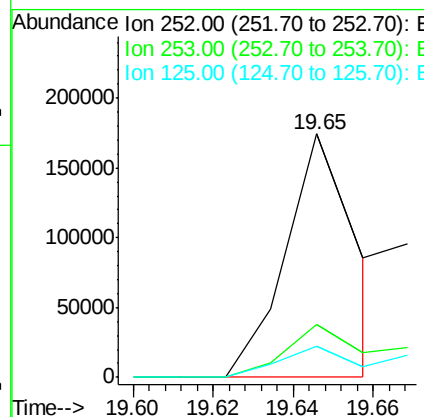
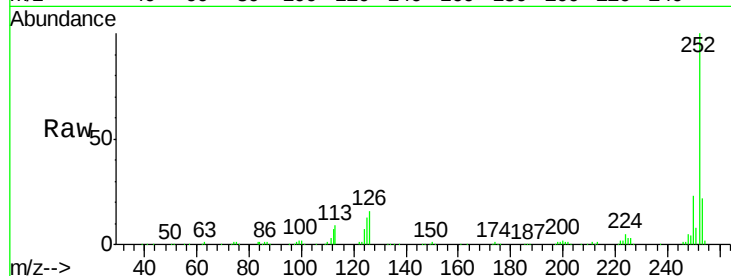
#87
Benzo(b)fluoranthene
Concen: 45.48 ng m
RT: 19.65 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	12.6	7.8	11.8

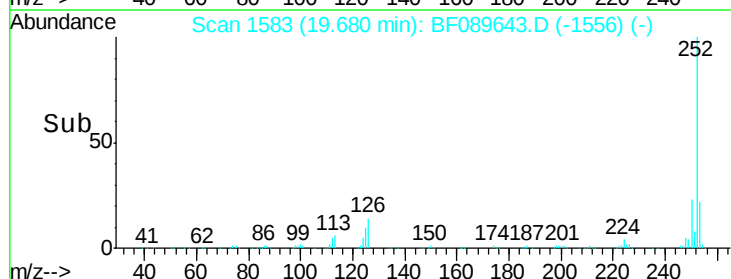
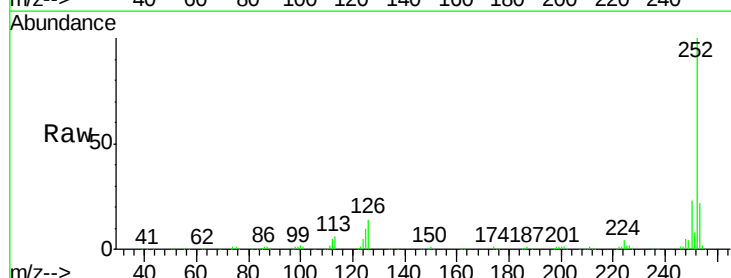
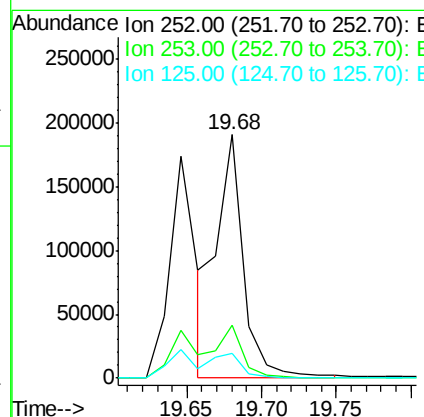
Manual Integrations
APPROVED

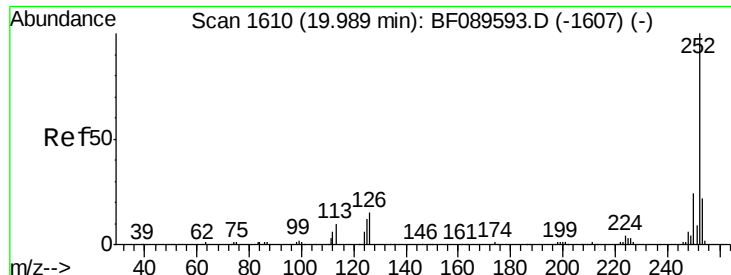
umangi
8/8/2016 9:19:39 AM



#88
Benzo(k)fluoranthene
Concen: 51.19 ng m
RT: 19.68 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.0	11.0	16.6





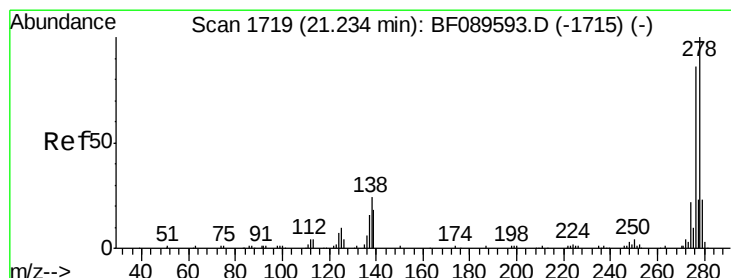
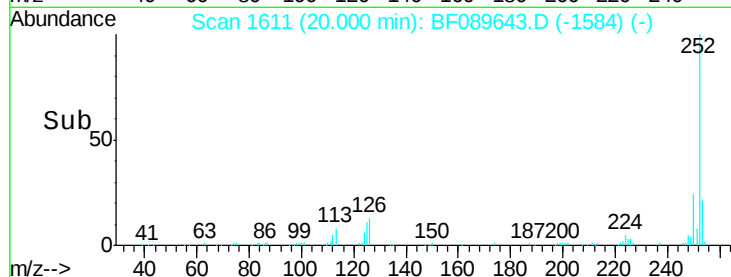
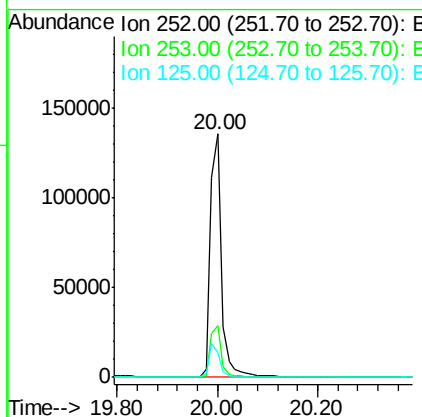
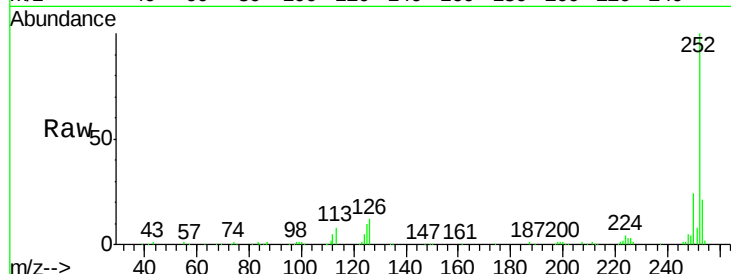
#89
Benzo(a)pyrene
Concen: 47.25 ng
RT: 20.00 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.0
125	10.0	9.9	14.9

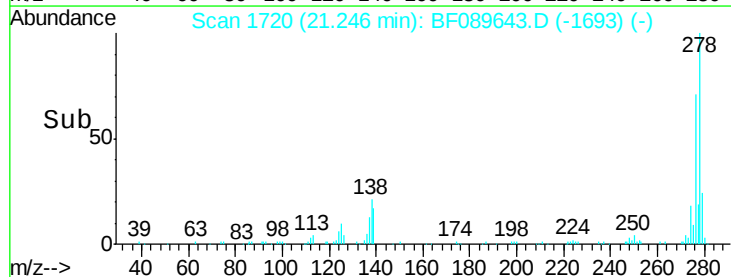
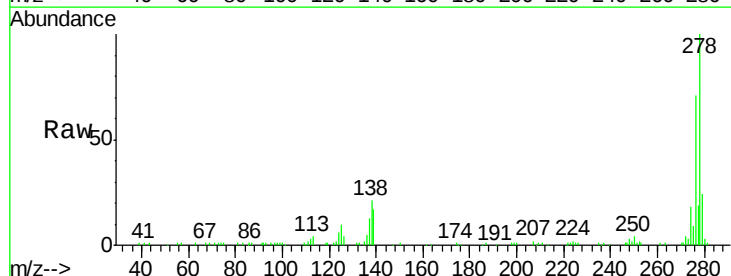
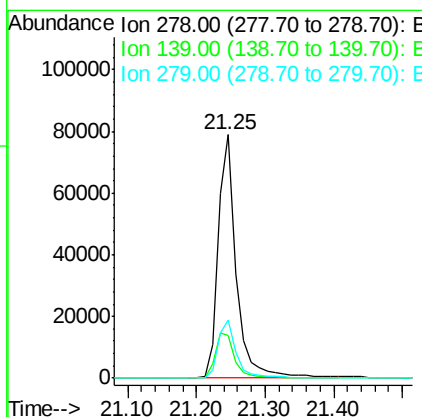
Manual Integrations
APPROVED

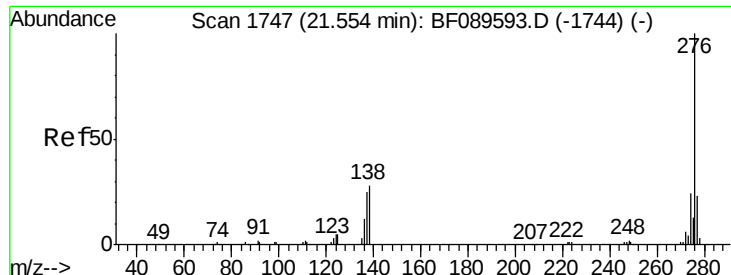
umangi
8/8/2016 9:19:39 AM



#90
Dibenzo(a,h)anthracene
Concen: 36.25 ng
RT: 21.25 min Scan# 1720
Delta R.T. 0.01 min
Lab File: BF089643.D
Acq: 5 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.6	21.8
279	24.0	18.4	27.6





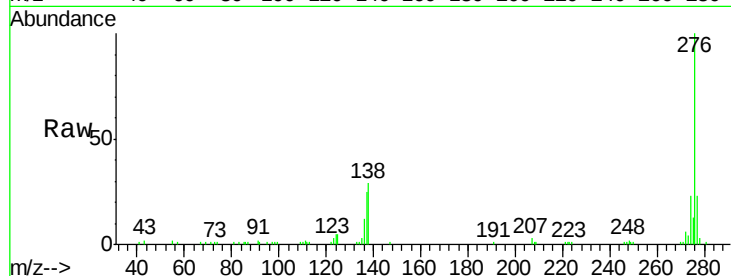
#91
 Benzo(g,h,i)perylene
 Concen: 33.13 ng
 RT: 21.57 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: BF089643.D
 Acq: 5 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46D-9-11MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	29.1	22.6	33.8

Manual Integrations
 APPROVED

umangi
 8/8/2016 9:19:39 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

