

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121716\
 Data File : BF091713.D
 Acq On : 17 Dec 2016 14:20
 Operator : UM/SJ
 Sample : SSTDICC025
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Manual Integrations
 APPROVED

umangi
 12/20/2016 11:40:02 AM

Quant Time: Dec 17 22:31:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:15:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	318610	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	1239212	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	692656	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	1070135	20.00	ng	0.00
75) Chrysene-d12	13.93	240	910106	20.00	ng	0.00
86) Perylene-d12	15.33	264	925553	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	914821	48.02	ng	-0.01
7) Phenol-d6	6.41	99	1153240	48.39	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1127286	50.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	318174	55.05	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	2008182	51.08	ng	0.00
78) Terphenyl-d14	12.88	244	1724045	43.25	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.30	88	229572	22.92	ng	98
3) Pyridine	2.99	79	774322	28.22	ng	98
4) n-Nitrosodimethylamine	2.94	42	282113	24.33	ng	97
6) Aniline	6.43	93	772150	24.82	ng	# 56
8) 2-Chlorophenol	6.56	128	553794	25.93	ng	90
9) Benzaldehyde	6.32	77	379424	23.31	ng	93
10) Phenol	6.42	94	613063	21.60	ng	96
11) bis(2-Chloroethyl)ether	6.51	93	564435	27.32	ng	94
12) 1,3-Dichlorobenzene	6.70	146	568525m	24.18	ng	
13) 1,4-Dichlorobenzene	6.78	146	575272	24.84	ng	99
14) 1,2-Dichlorobenzene	6.94	146	539445	25.97	ng	96
15) Benzyl Alcohol	6.91	79	464069	24.68	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.06	45	836934	26.03	ng	99
17) 2-Methylphenol	7.04	107	449184	25.35	ng	98
18) Hexachloroethane	7.29	117	217480	24.19	ng	92
19) n-Nitroso-di-n-propylamine	7.18	70	385093	26.01	ng	96
20) 3+4-Methylphenols	7.20	107	542725	24.67	ng	# 75
22) Acetophenone	7.18	105	771368	25.75	ng	# 98
24) Nitrobenzene	7.36	77	640195	27.70	ng	95
25) Isophorone	7.60	82	1021397	25.44	ng	95
26) 2-Nitrophenol	7.68	139	316258	30.17	ng	# 87
27) 2,4-Dimethylphenol	7.72	122	511870	27.71	ng	96
28) bis(2-Chloroethoxy)methane	7.81	93	658956	28.52	ng	99
29) 2,4-Dichlorophenol	7.92	162	418755	26.26	ng	89
30) 1,2,4-Trichlorobenzene	8.00	180	454047	24.94	ng	# 95
31) Naphthalene	8.08	128	1464317	25.10	ng	100
32) Benzoic acid	7.84	122	351976	27.93	ng	97
33) 4-Chloroaniline	8.13	127	707865	28.11	ng	95
34) Hexachlorobutadiene	8.20	225	274455	26.66	ng	99
35) Caprolactam	8.50	113	138910	28.58	ng	# 72
36) 4-Chloro-3-methylphenol	8.61	107	452868	25.29	ng	93
37) 2-Methylnaphthalene	8.77	142	1023280	27.07	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	416027	21.75	ng	99
40) Hexachlorocyclopentadiene	8.92	237	181104	21.44	ng	96

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121716\
 Data File : BF091713.D
 Acq On : 17 Dec 2016 14:20
 Operator : UM/SJ
 Sample : SSTDICC025
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

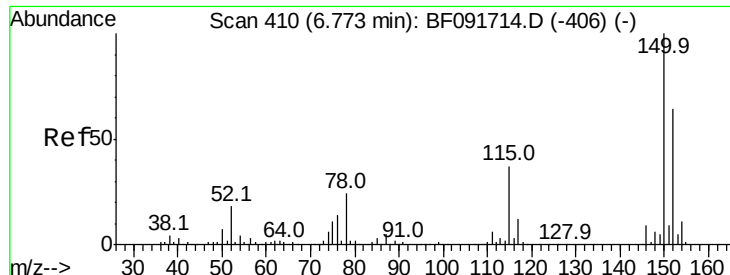
Manual Integrations
 APPROVED

umangi
 12/20/2016 11:40:02 AM

Quant Time: Dec 17 22:31:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:15:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	293260	24.00	nq	96
43) 2,4,5-Trichlorophenol	9.09	196	321932	25.41	nq	# 89
45) 1,1'-Biphenyl	9.23	154	1193237	23.27	nq	96
46) 2-Chloronaphthalene	9.25	162	894738	22.71	nq	93
47) 2-Nitroaniline	9.36	65	352126	27.26	nq	89
48) Acenaphthylene	9.68	152	1489765	25.01	nq	98
49) Dimethylphthalate	9.54	163	1097648	24.70	nq	99
50) 2,6-Dinitrotoluene	9.60	165	228216	23.29	nq	# 70
51) Acenaphthene	9.85	154	1017351	24.61	nq	99
52) 3-Nitroaniline	9.77	138	329936	28.93	nq	90
53) 2,4-Dinitrophenol	9.87	184	130709	33.79	nq	# 72
54) Dibenzofuran	10.02	168	1304303	25.45	nq	92
55) 4-Nitrophenol	9.94	139	211885	25.63	nq	# 62
56) 2,4-Dinitrotoluene	10.00	165	295077	24.28	nq	89
57) Fluorene	10.36	166	963284	24.01	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.13	232	256553	26.19	nq	98
59) Diethylphthalate	10.24	149	1117855	26.33	nq	98
60) 4-Chlorophenyl-phenylether	10.35	204	452002	24.99	nq	95
61) 4-Nitroaniline	10.37	138	275148	24.08	nq	99
62) Azobenzene	10.51	77	1240935	26.15	nq	95
64) 4,6-Dinitro-2-methylphenol	10.41	198	192005	33.56	nq	73
65) n-Nitrosodiphenylamine	10.46	169	874108	26.74	nq	99
66) 4-Bromophenyl-phenylether	10.84	248	316954	28.69	nq	# 87
67) Hexachlorobenzene	10.90	284	308065	26.25	nq	# 74
68) Atrazine	11.00	200	309425	30.05	nq	97
69) Pentachlorophenol	11.09	266	176290	26.65	nq	98
70) Phenanthrene	11.31	178	1429677	26.11	nq	99
71) Anthracene	11.37	178	1613361	28.46	nq	98
72) Carbazole	11.53	167	1425180	27.79	nq	97
73) Di-n-butylphthalate	11.86	149	1723152	29.27	nq	99
74) Fluoranthene	12.50	202	1545942	27.88	nq	97
76) Benzidine	12.63	184	729202	25.88	nq	98
77) Pyrene	12.73	202	1656647	23.26	nq	100
79) Butylbenzylphthalate	13.36	149	802851	27.95	nq	89
80) Benzo(a)anthracene	13.92	228	1344421	25.21	nq	100
81) 3,3'-Dichlorobenzidine	13.88	252	527014	26.89	nq	# 96
82) Chrysene	13.95	228	1121426	20.07	nq	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	948637	25.98	nq	99
84) Di-n-octyl phthalate	14.53	149	1879974	29.68	nq	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	1350209	26.42	nq	99
87) Benzo(b)fluoranthene	14.93	252	1323028m	23.33	nq	
88) Benzo(k)fluoranthene	14.96	252	1213148m	25.43	nq	
89) Benzo(a)pyrene	15.28	252	1278350	25.57	nq	# 96
90) Dibenzo(a,h)anthracene	16.69	278	1152929	25.68	nq	98
91) Benzo(g,h,i)perylene	17.08	276	1144753	24.95	nq	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

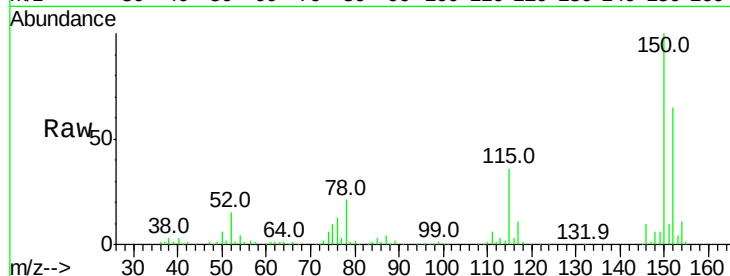
ClientSampleId :

SSTDIC025

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.9	187.3
115	55.2	46.0	69.0

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM

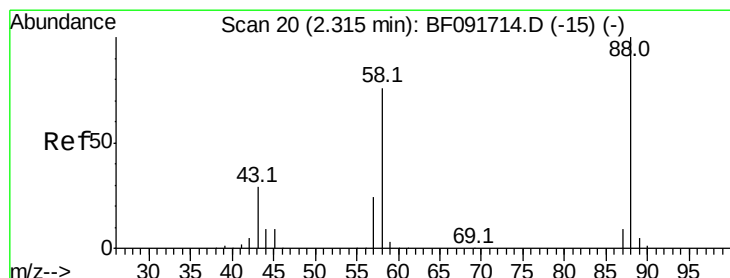
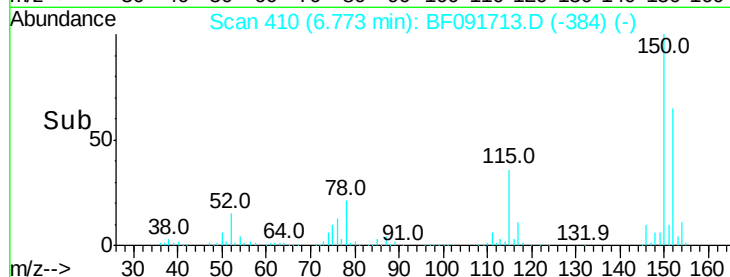
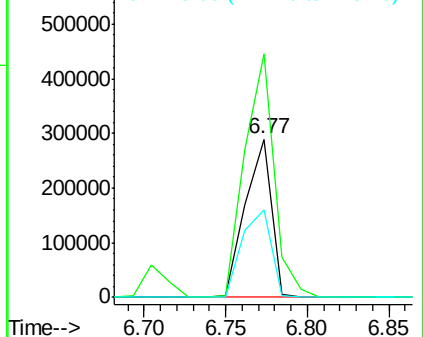


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 22.92 ng

RT: 2.30 min Scan# 19

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

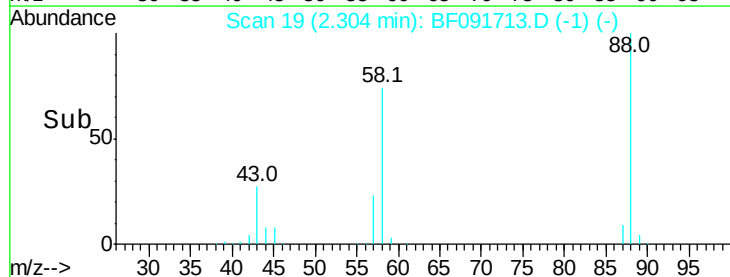
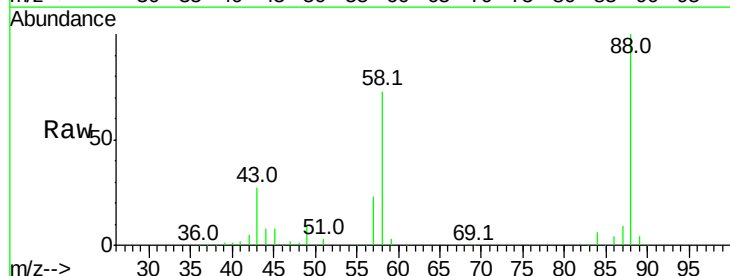
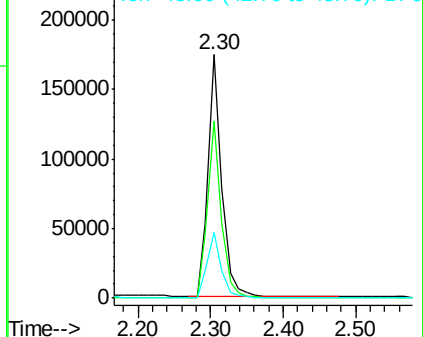
Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.8	57.8	86.8
43	28.6	22.3	33.5

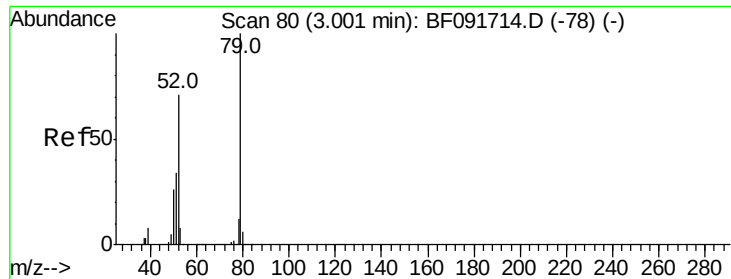
Abundance

Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





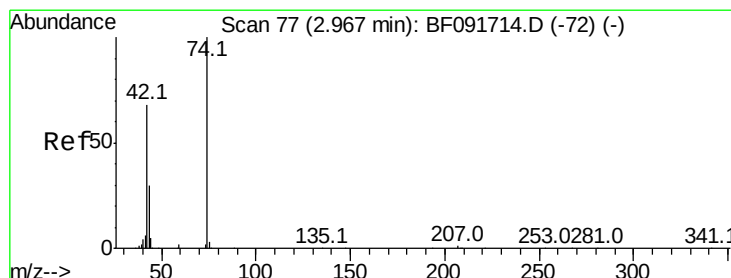
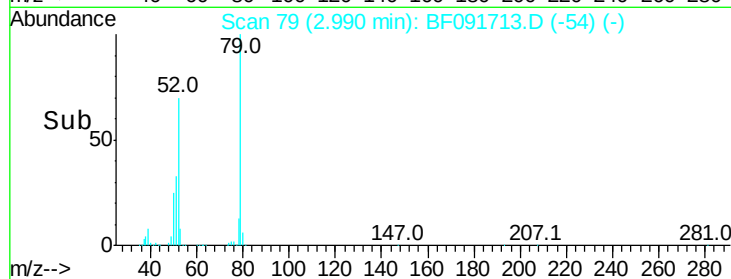
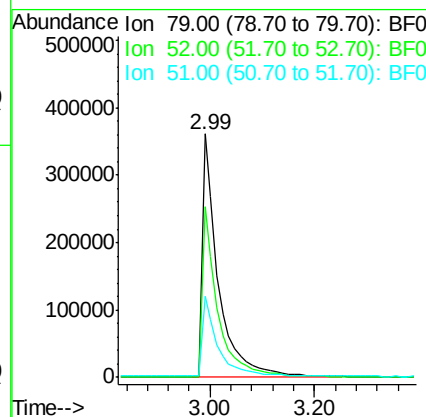
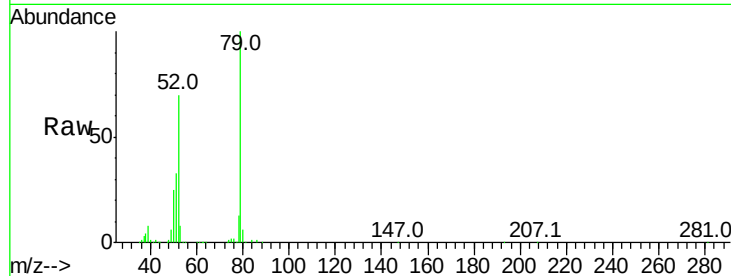
#3
 Pvridine
 Concen: 28.22 ng
 RT: 2.99 min Scan# 79
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Lower	Upper
79	100		
52	69.9	57.1	85.7
51	33.4	27.3	40.9

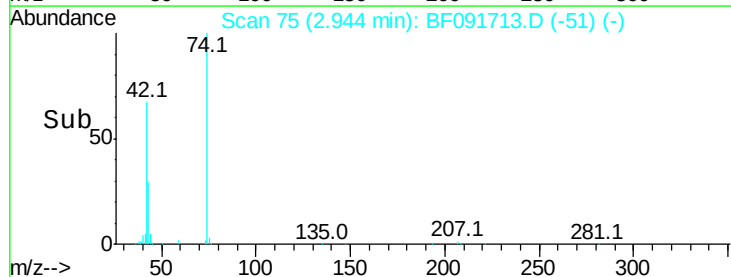
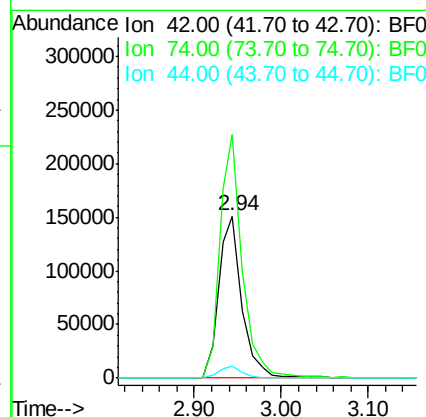
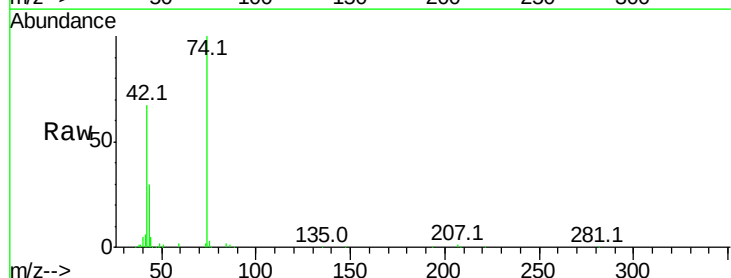
Manual Integrations
 APPROVED

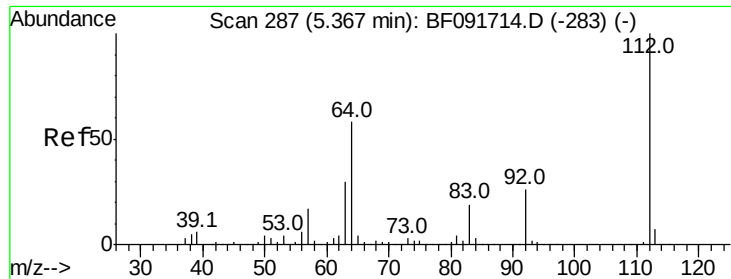
umangi
 12/20/2016 11:40:02 AM



#4
 n-Nitrosodimethylamine
 Concen: 24.33 ng
 RT: 2.94 min Scan# 75
 Delta R.T. -0.02 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
42	100		
74	150.3	117.0	175.4
44	7.3	5.5	8.3





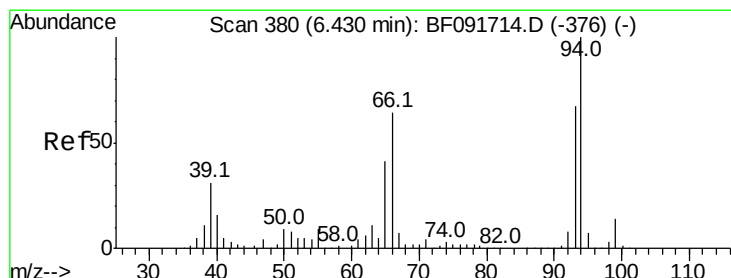
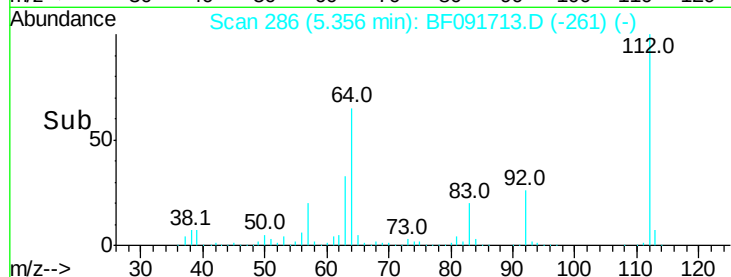
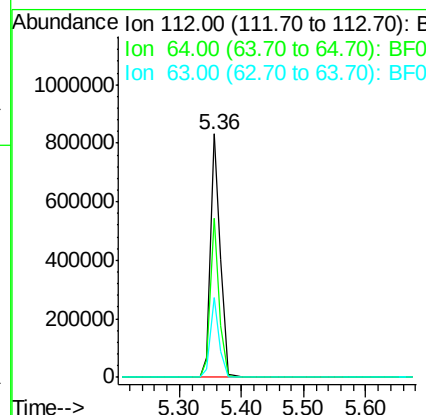
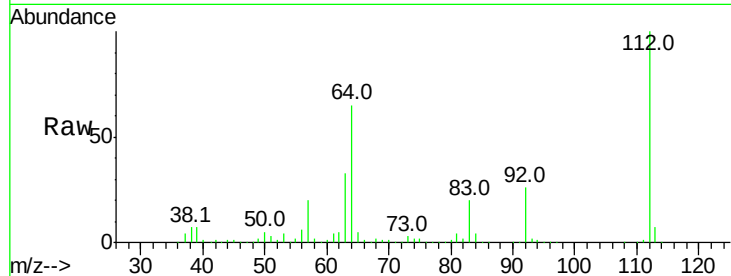
#5
 2-Fluorophenol
 Concen: 48.02 ng
 RT: 5.36 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion:	112	Resp:	914821
Ion Ratio	Lower	Upper	
112	100		
64	65.4	46.1	69.1
63	32.9	23.8	35.6

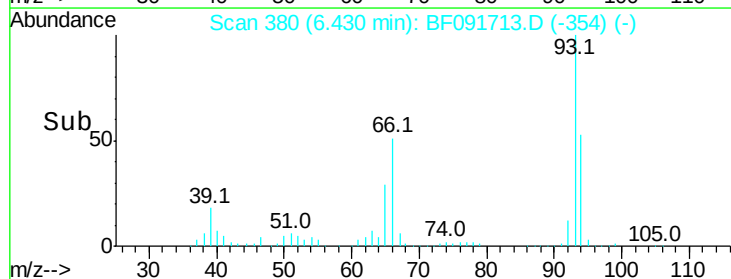
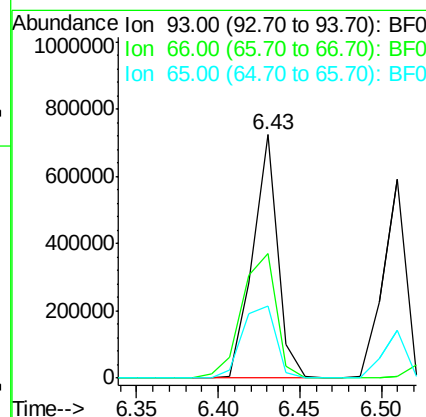
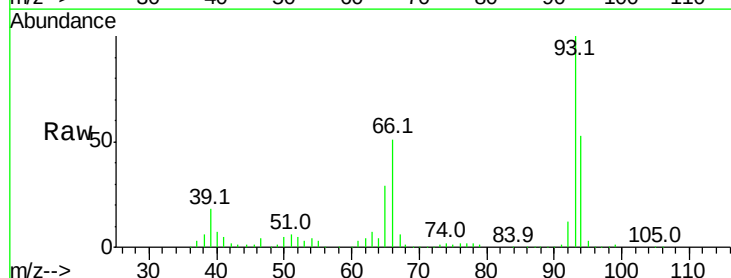
Manual Integrations
 APPROVED

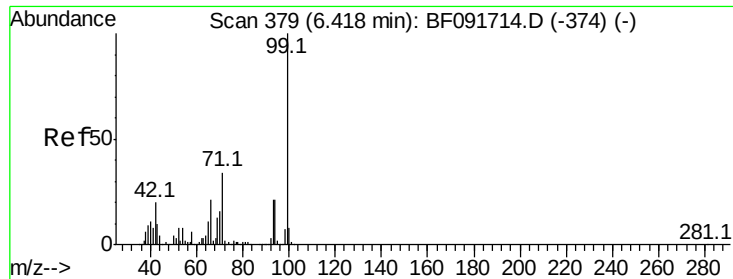
umangi
 12/20/2016 11:40:02 AM



#6
 Aniline
 Concen: 24.82 ng
 RT: 6.43 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion:	93	Resp:	772150
Ion Ratio	Lower	Upper	
93	100		
66	50.9	76.2	114.2#
65	29.3	49.3	73.9#





#7

Phenol-d6

Concen: 48.39 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

Tot Ion: 99 Resp: 1153240

Ion Ratio Lower Upper

99 100

42 19.4 15.6 23.4

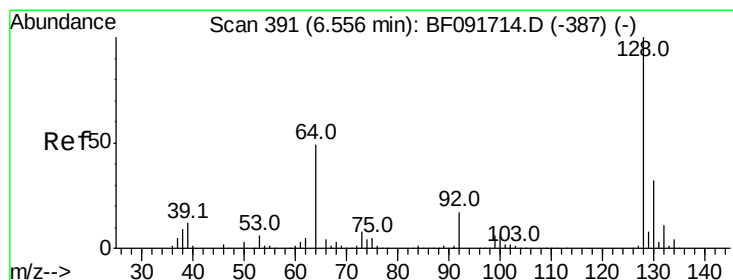
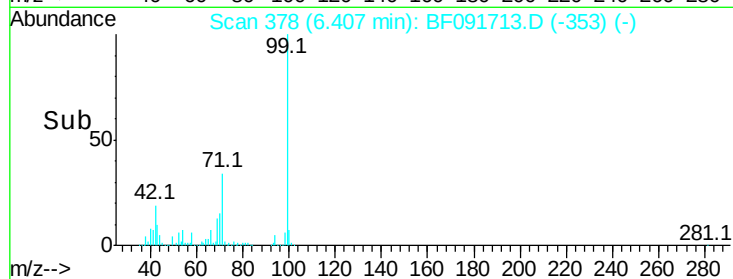
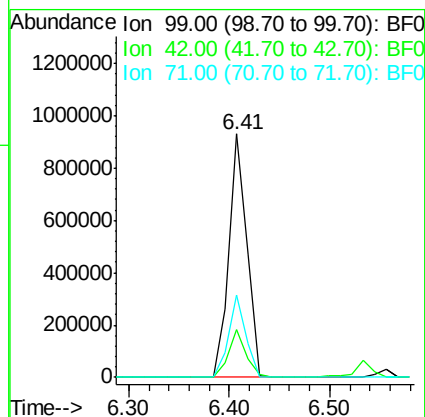
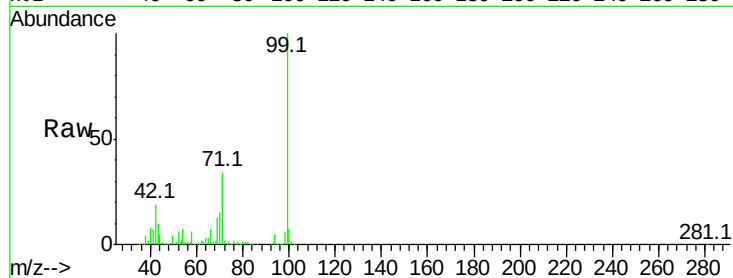
71 33.8 27.5 41.3

Manual Integrations

APPROVED

umangi

12/20/2016 11:40:02 AM



#8

2-Chlorophenol

Concen: 25.93 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

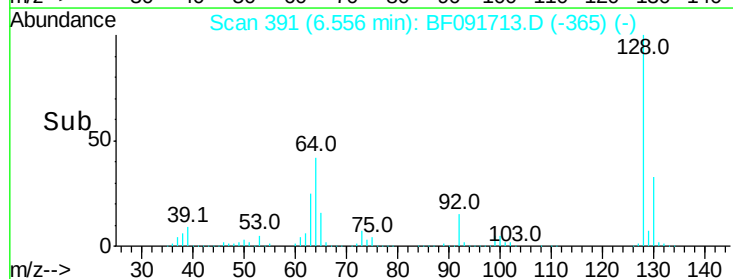
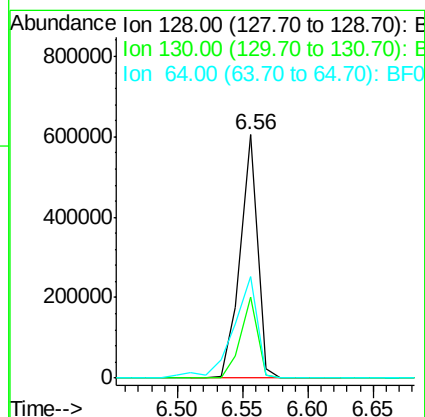
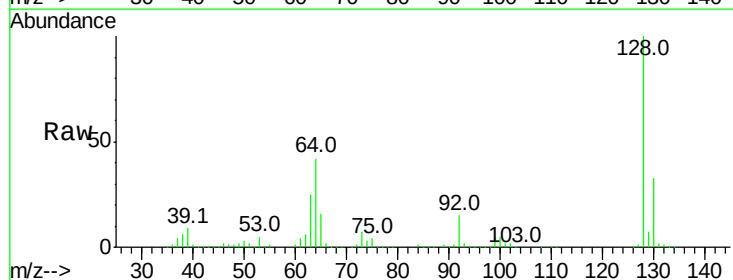
Tgt Ion: 128 Resp: 553794

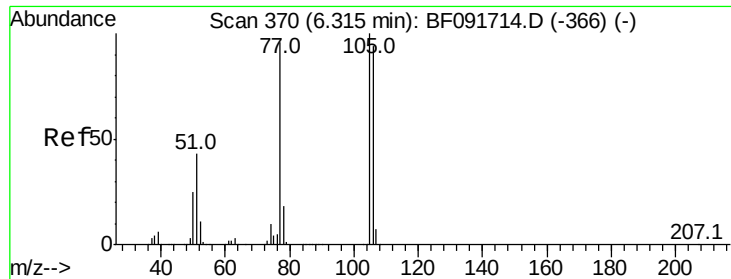
Ion Ratio Lower Upper

128 100

130 33.4 12.3 52.3

64 41.5 32.2 72.2





#9

Benzaldehyde

Concen: 23.31 ng

RT: 6.32 min Scan# 370

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

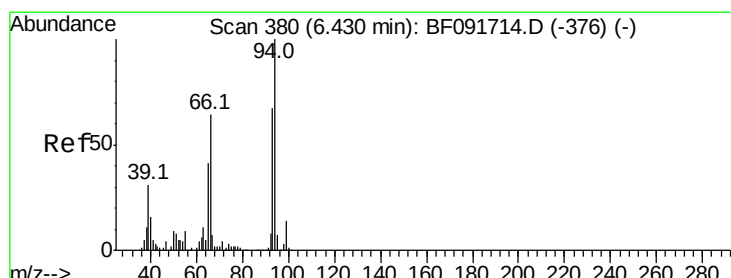
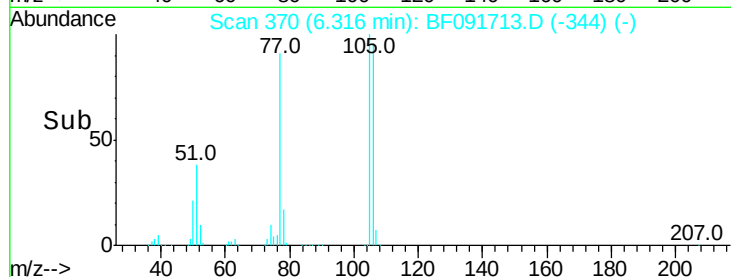
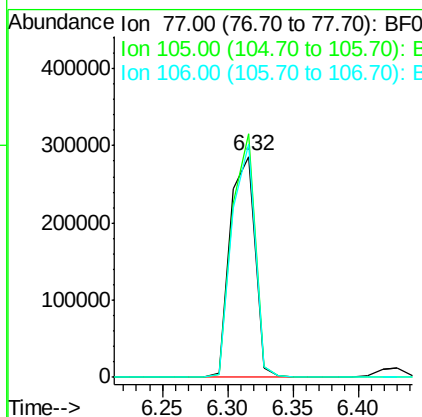
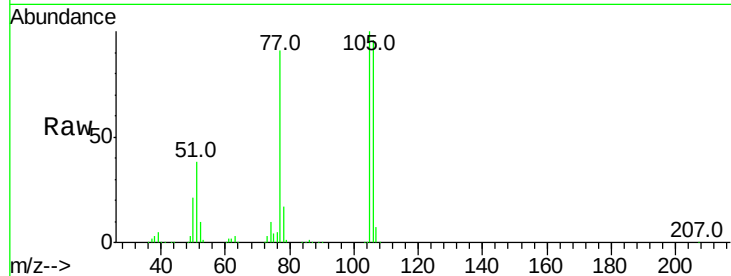
ClientSampleId :

SSTDICC025

Tot Ion	Ratio	Lower	Upper
77	100		
105	110.3	83.9	123.9
106	105.7	77.6	117.6

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



#10

Phenol

Concen: 21.60 ng

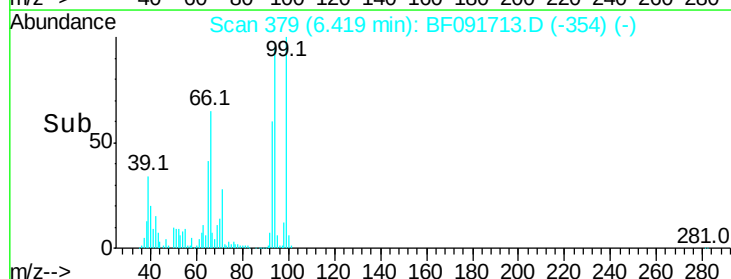
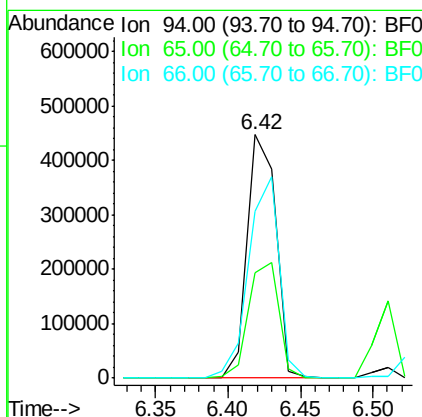
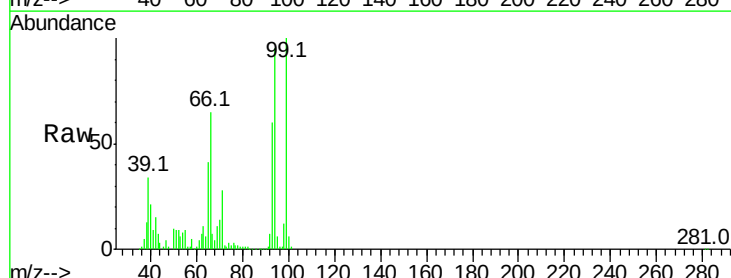
RT: 6.42 min Scan# 379

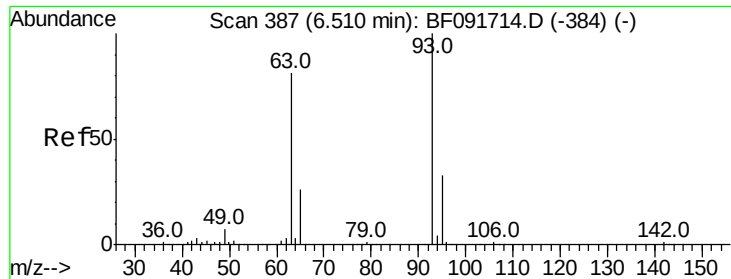
Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
94	100		
65	43.1	21.4	61.4
66	68.4	44.0	84.0





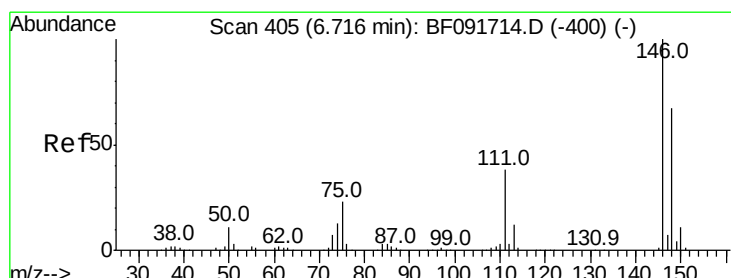
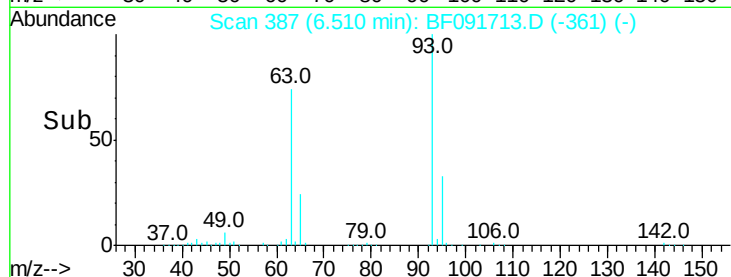
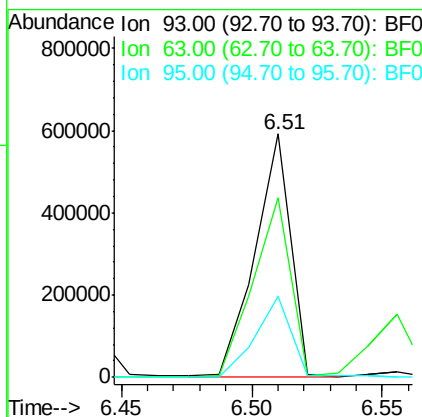
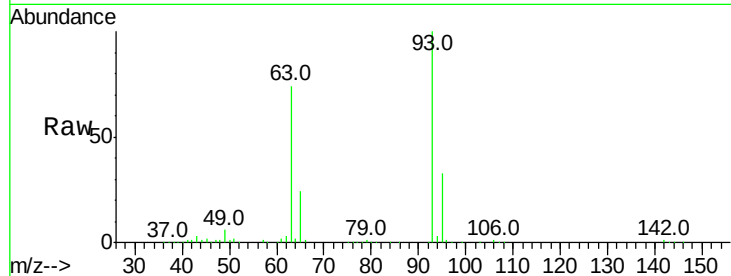
#11
bis(2-Chloroethyl)ether
Concen: 27.32 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.9	60.4	100.4
95	33.5	12.8	52.8

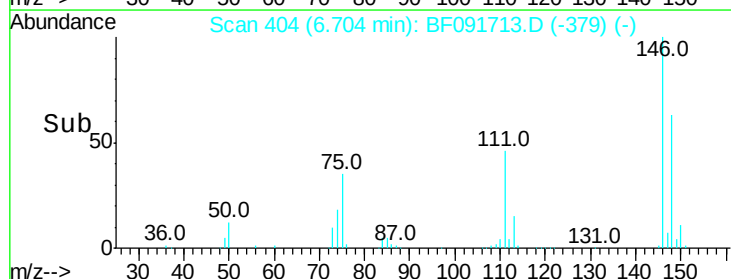
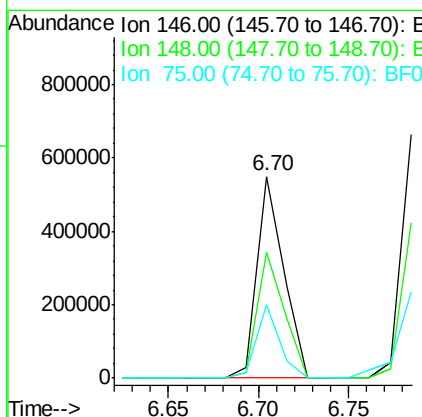
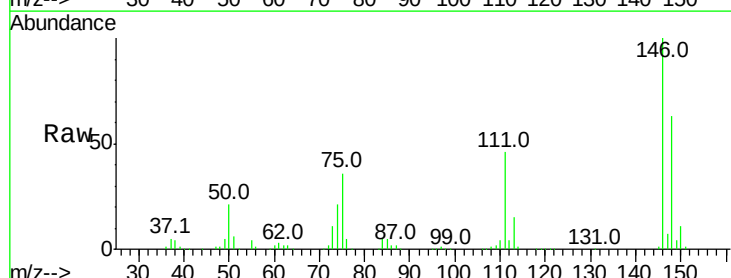
Manual Integrations
APPROVED

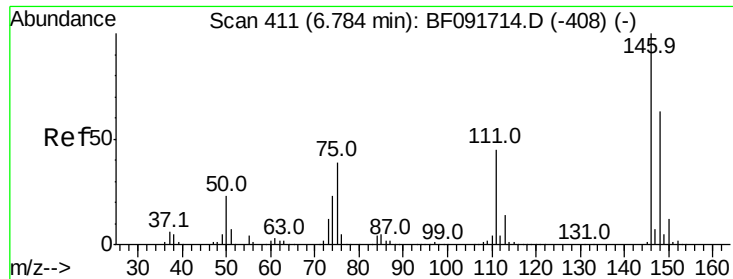
umangi
12/20/2016 11:40:02 AM



#12
1,3-Dichlorobenzene
Concen: 24.18 ng m
RT: 6.70 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	53.4	80.0
75	36.3	18.5	27.7





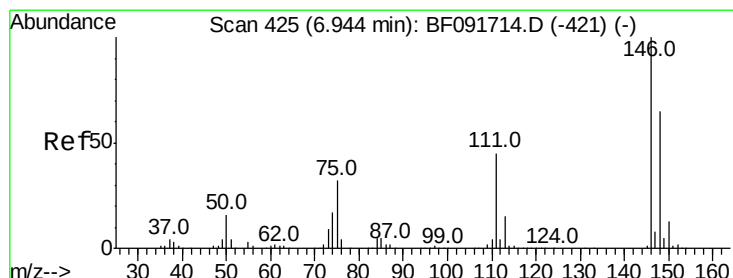
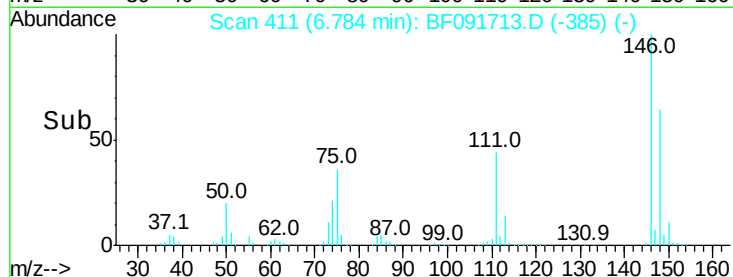
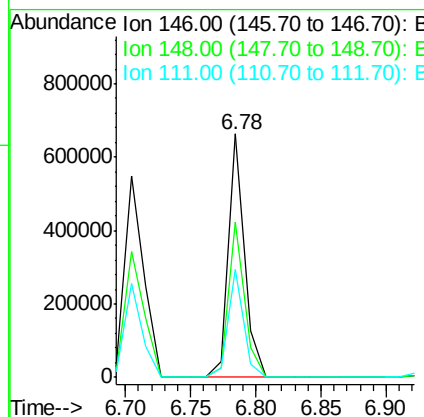
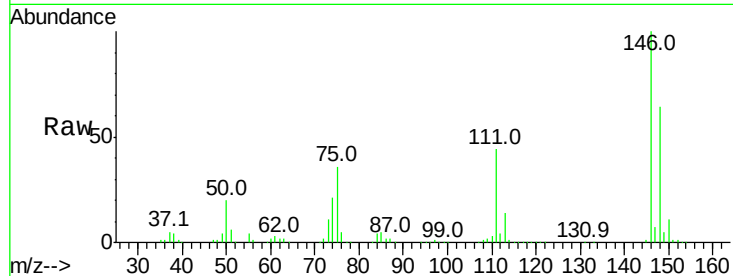
#13
 1,4-Dichlorobenzene
 Concen: 24.84 ng
 RT: 6.78 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
111	44.1	36.2	54.4

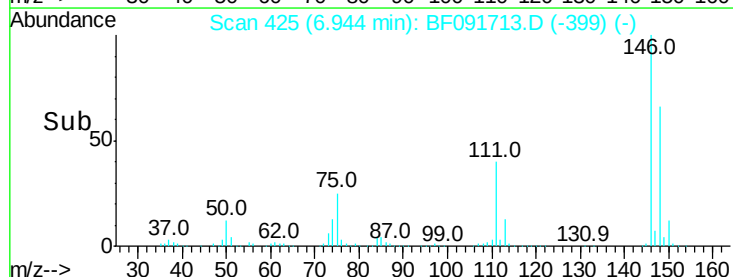
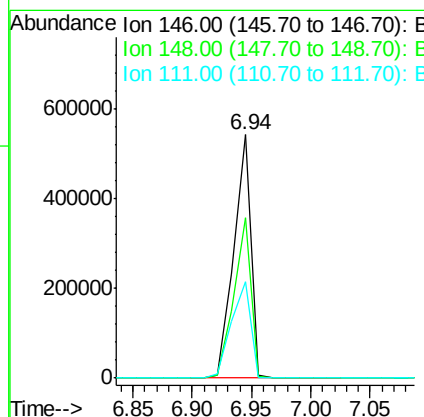
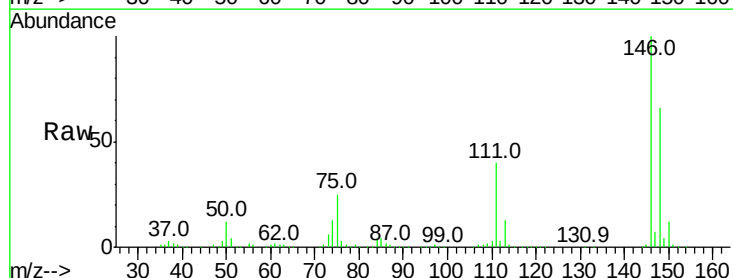
Manual Integrations
 APPROVED

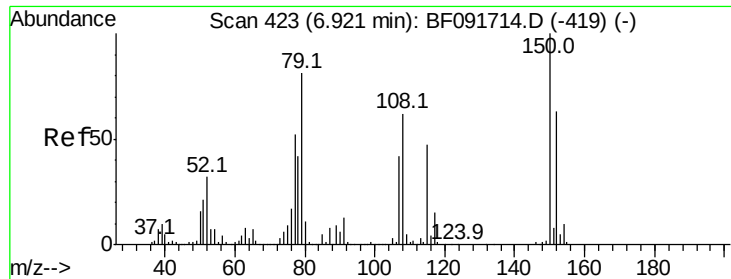
umangi
 12/20/2016 11:40:02 AM



#14
 1,2-Dichlorobenzene
 Concen: 25.97 ng
 RT: 6.94 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.2	78.2
111	39.8	36.2	54.2





#15

Benzyl Alcohol

Concen: 24.68 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

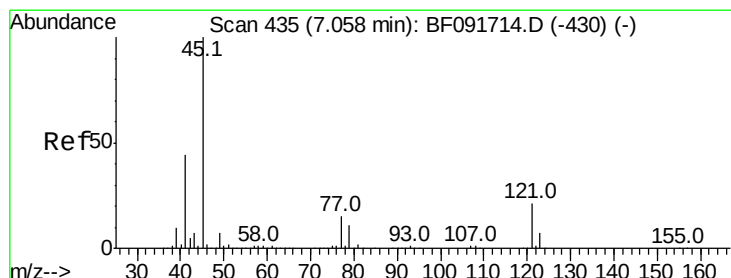
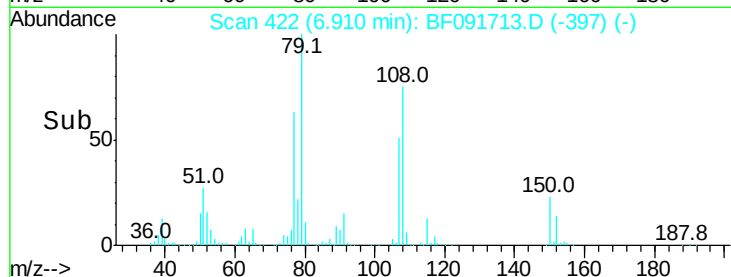
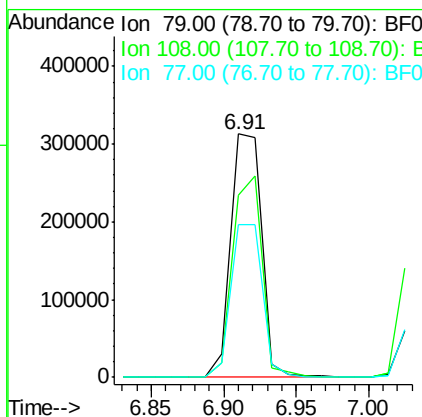
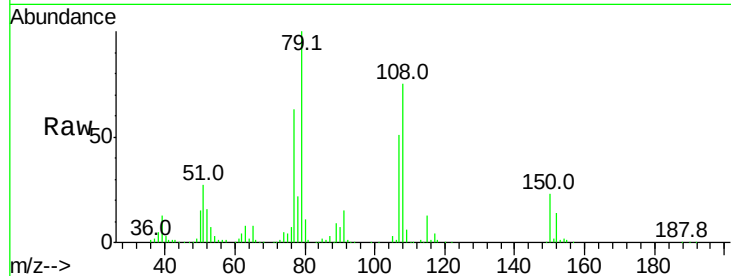
ClientSampleId :

SSTDIC025

Tot Ion:	79	Resp:	464069
Ion Ratio	Lower	Upper	
79	100		
108	74.8	61.4	92.0
77	62.5	50.9	76.3

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 26.03 ng

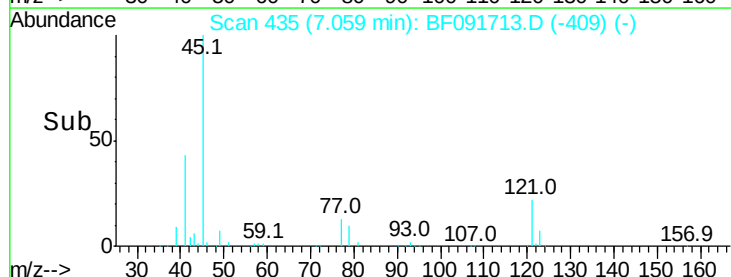
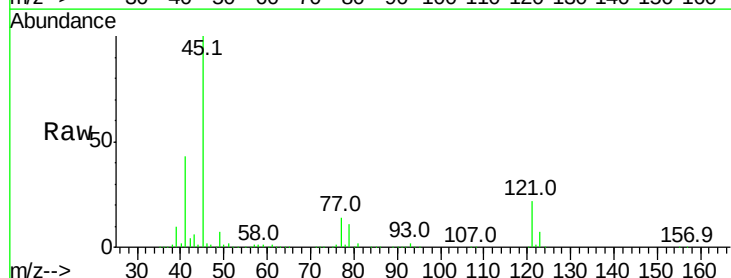
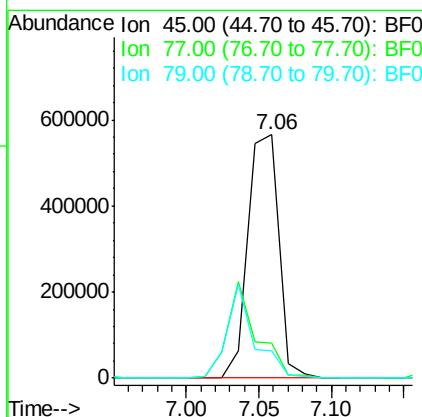
RT: 7.06 min Scan# 435

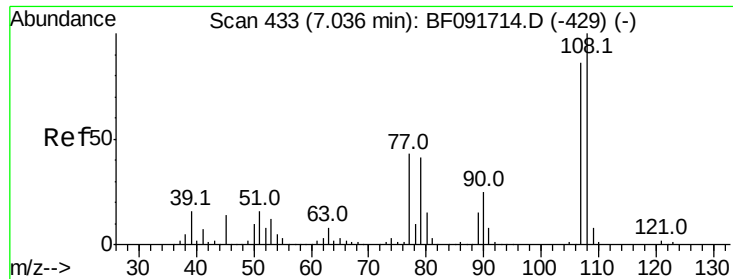
Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Tgt Ion:	45	Resp:	836934
Ion Ratio	Lower	Upper	
45	100		
77	14.1	0.0	34.6
79	11.4	0.0	31.2





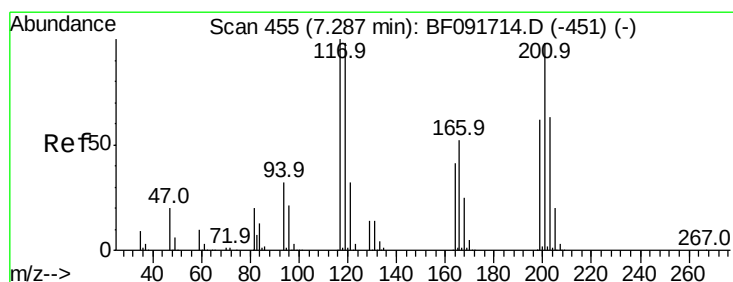
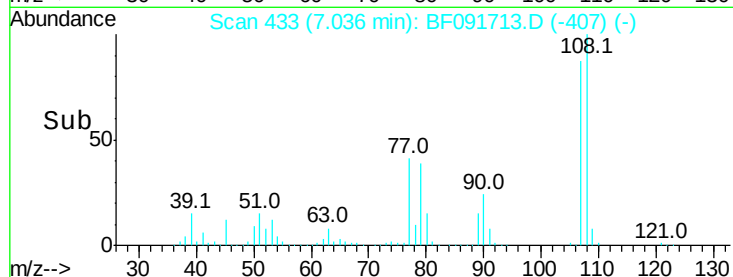
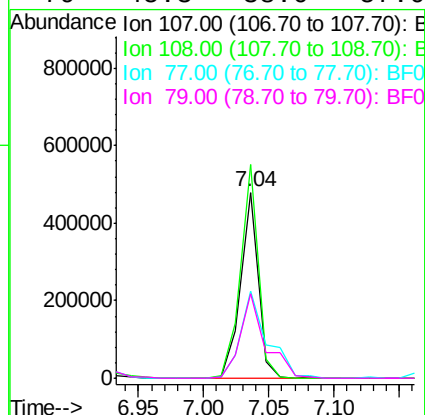
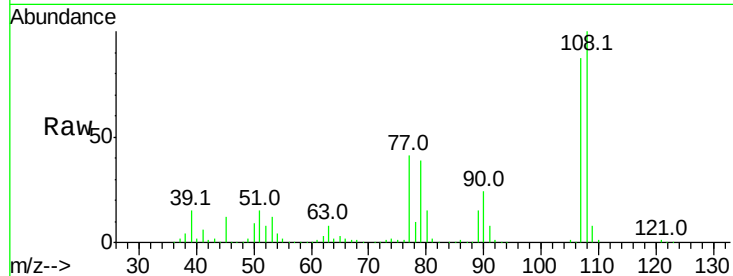
#17
2-Methylphenol
Concen: 25.35 ng
RT: 7.04 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion:	107	Resp:	449184
Ion Ratio	Lower	Upper	
107	100		
108	115.0	93.0	139.6
77	46.9	39.8	59.8
79	45.3	38.0	57.0

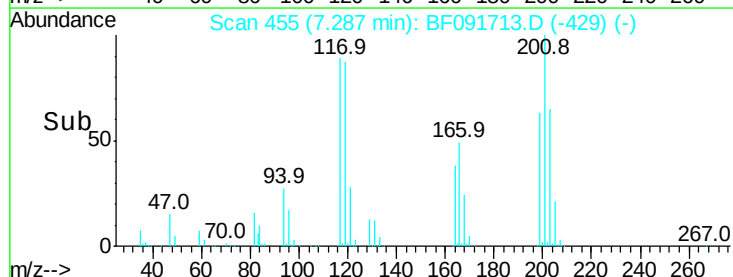
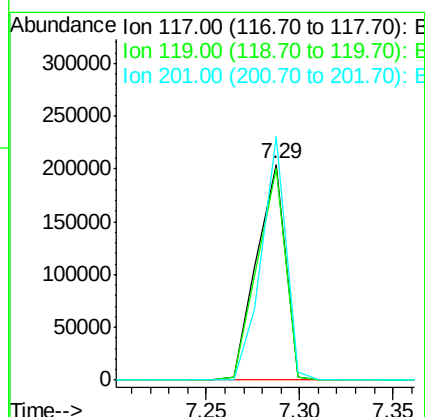
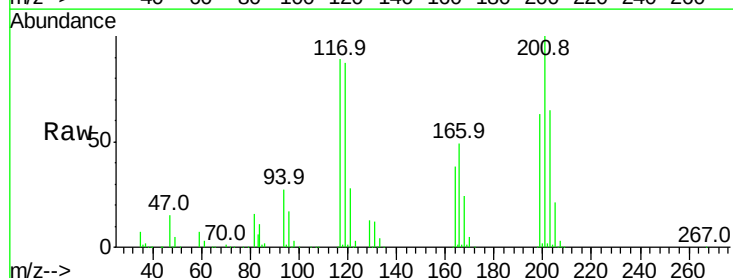
Manual Integrations
APPROVED

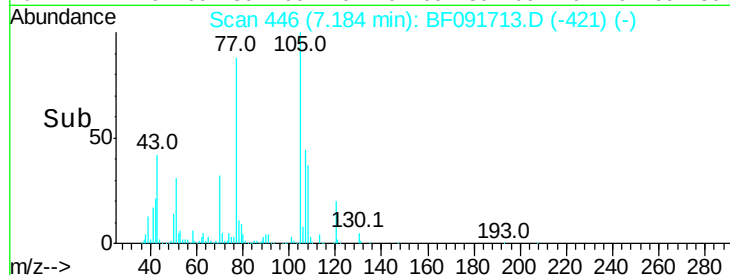
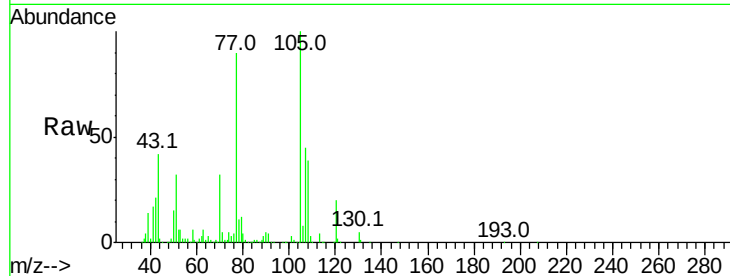
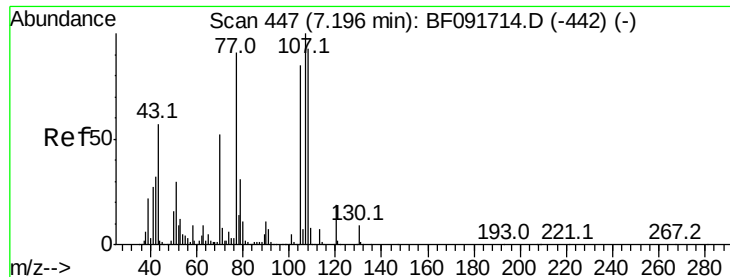
umangi
12/20/2016 11:40:02 AM



#18
Hexachloroethane
Concen: 24.19 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion:	117	Resp:	217480
Ion Ratio	Lower	Upper	
117	100		
119	98.1	78.1	117.1
201	112.8	78.6	117.8





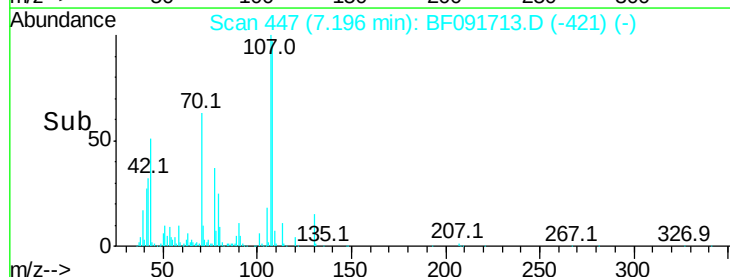
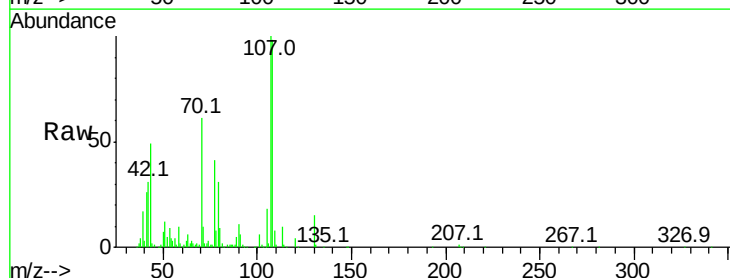
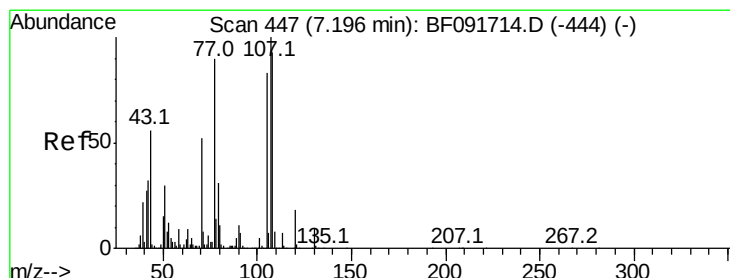
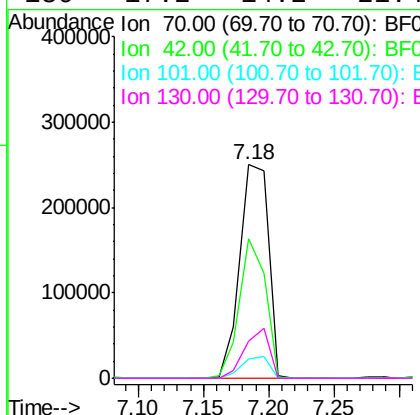
#19
n-Nitroso-di-n-propylamine
Concen: 26.01 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion	Ratio	Lower	Upper
70	100		
42	65.5	49.4	74.0
101	8.9	7.4	11.2
130	17.2	14.2	21.4

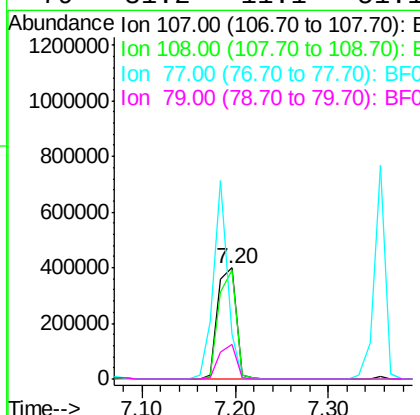
Manual Integrations
APPROVED

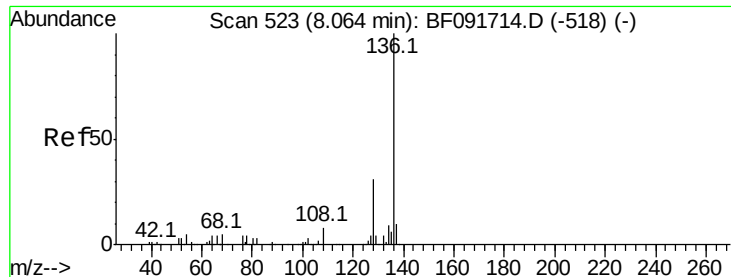
umangi
12/20/2016 11:40:02 AM



#20
3+4-Methylphenols
Concen: 24.67 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	98.2	73.0	113.0
77	40.9	71.3	111.3
79	31.2	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

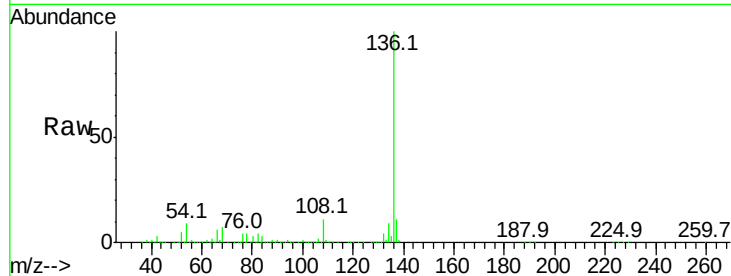
SSTDIC025

Tot Ion:136 Resp: 1239212

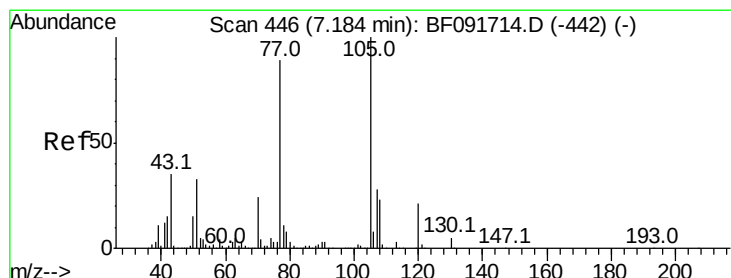
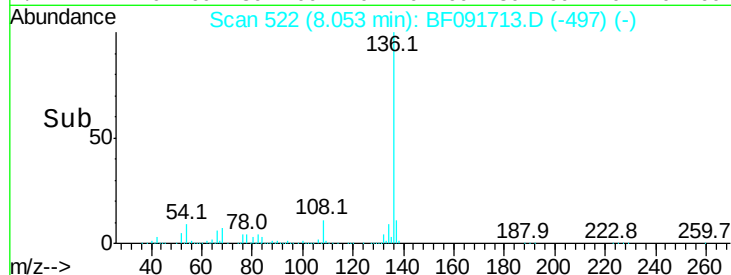
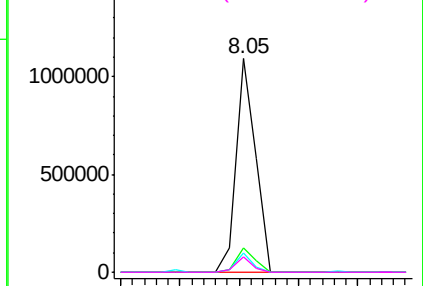
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.3	4.5	6.7#
68	7.2	3.6	5.4#

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



Abundance Ion 136.00 (135.70 to 136.70): E



#22

Acetophenone

Concen: 25.75 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

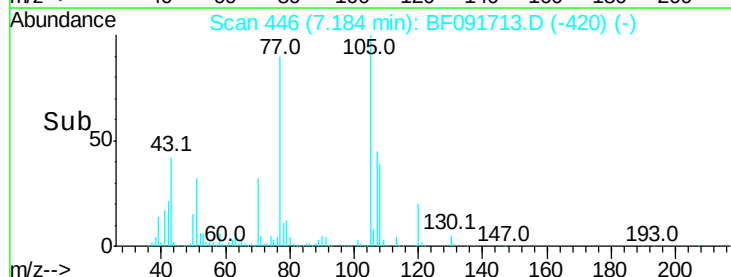
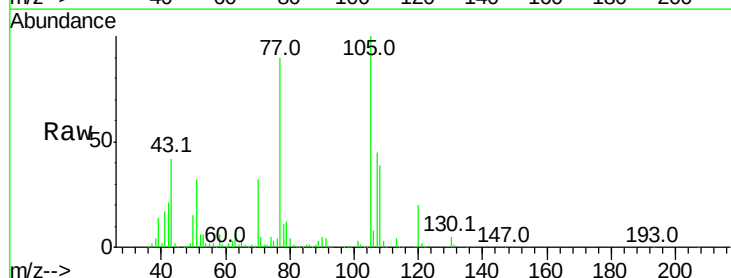
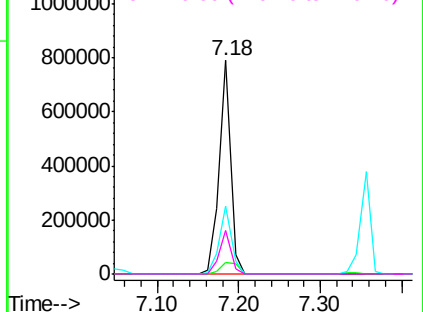
Lab File: BF091713.D

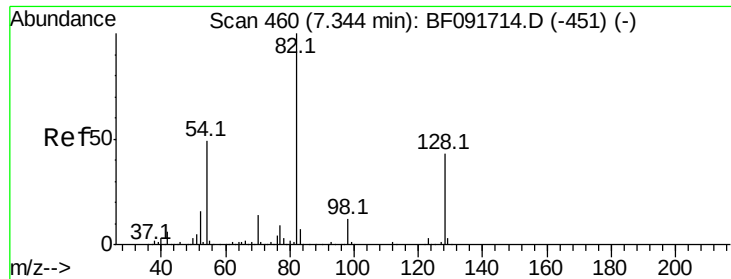
Acq: 17 Dec 2016 14:20

Tgt Ion:105 Resp: 771368

Ion	Ratio	Lower	Upper
105	100		
71	5.4	3.2	4.8#
51	31.8	26.2	39.4
120	20.4	16.6	24.8

Abundance Ion 105.00 (104.70 to 105.70): E





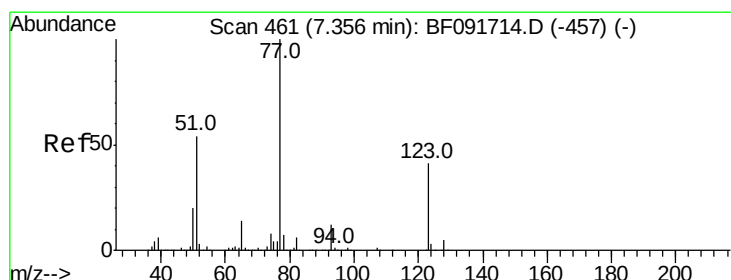
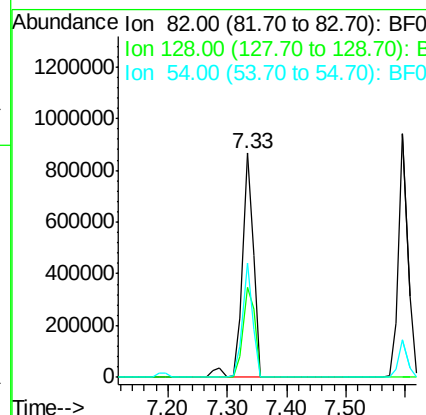
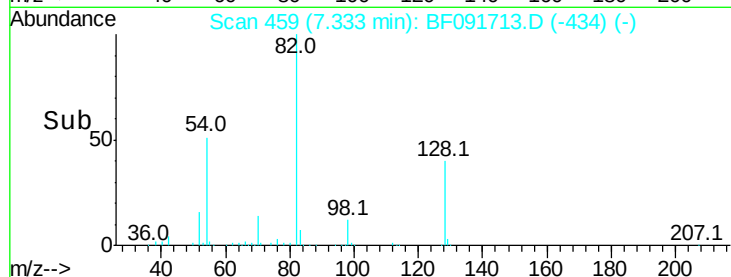
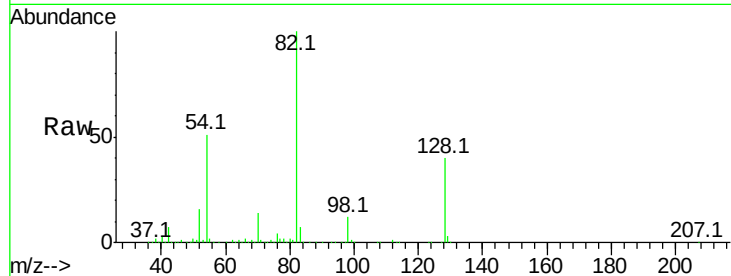
#23
Nitrobenzene-d5
Concen: 50.17 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion: 82 Resp: 1127286
Ion Ratio Lower Upper
82 100
128 40.2 34.6 52.0
54 51.2 39.5 59.3

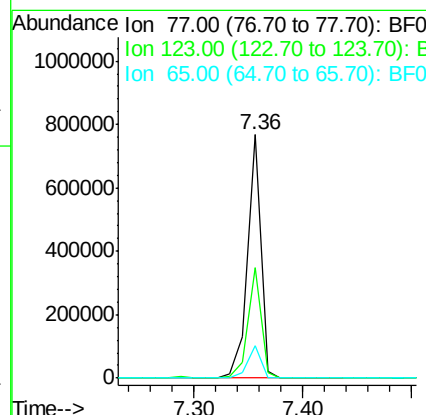
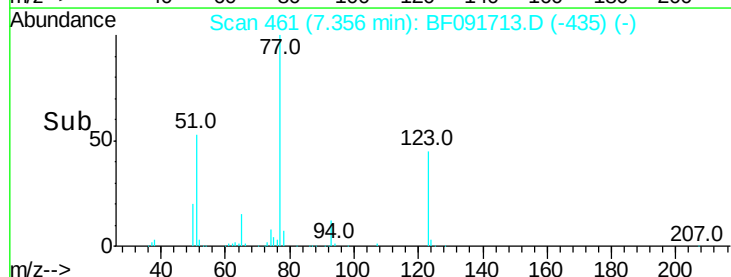
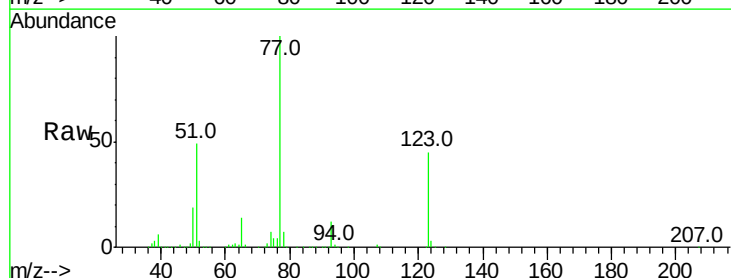
Manual Integrations
APPROVED

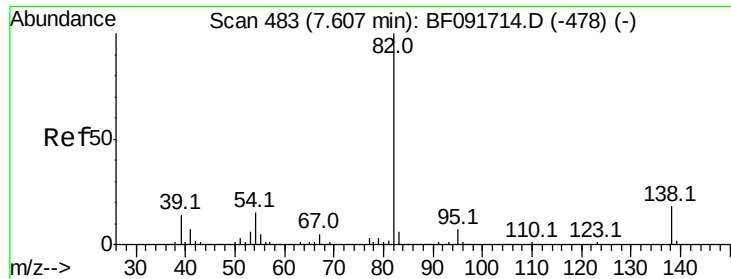
umangi
12/20/2016 11:40:02 AM



#24
Nitrobenzene
Concen: 27.70 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion: 77 Resp: 640195
Ion Ratio Lower Upper
77 100
123 45.4 33.0 49.4
65 13.5 11.2 16.8





#25

Isophorone

Concen: 25.44 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

Tot Ion: 82 Resp: 1021397

Ion Ratio Lower Upper

82 100

95 6.5 5.6 8.4

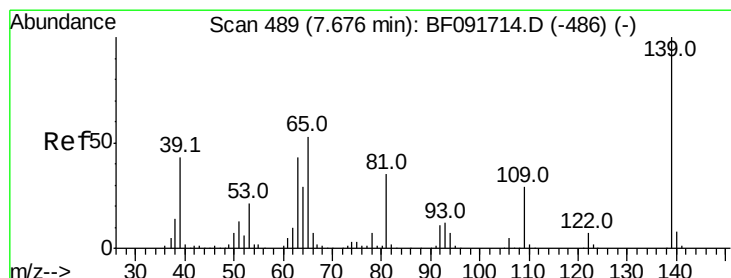
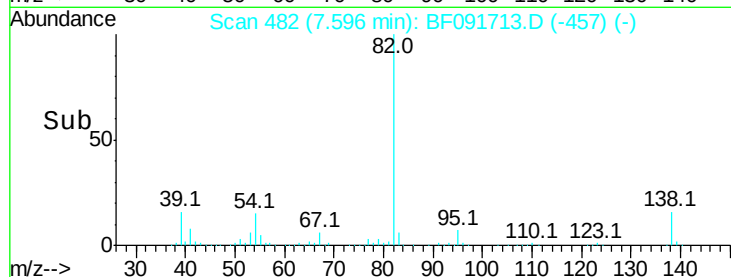
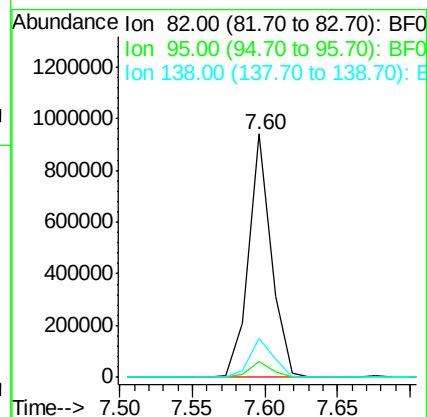
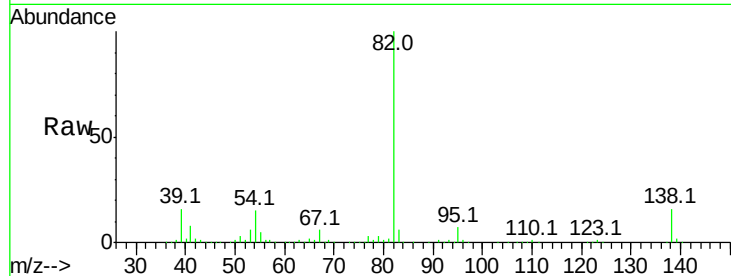
138 15.7 14.6 22.0

Manual Integrations

APPROVED

umangi

12/20/2016 11:40:02 AM



#26

2-Nitrophenol

Concen: 30.17 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

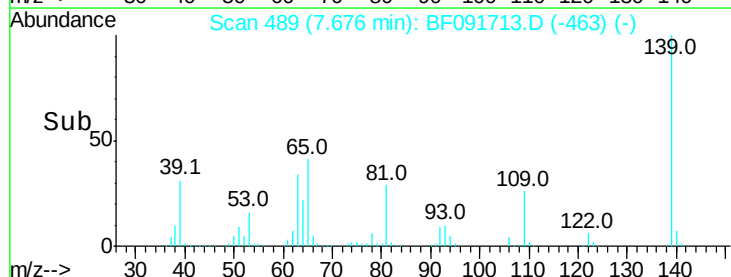
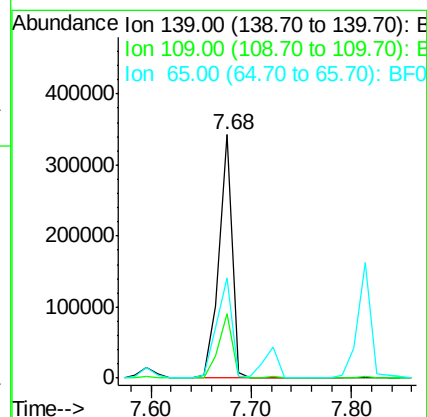
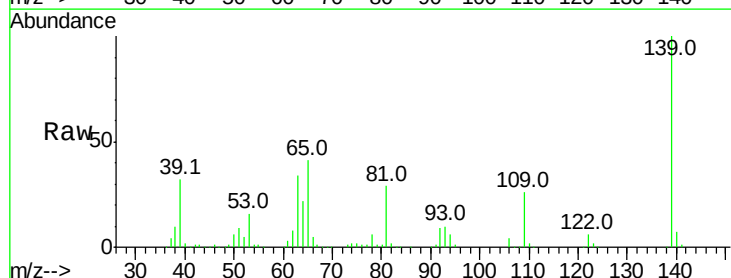
Tgt Ion: 139 Resp: 316258

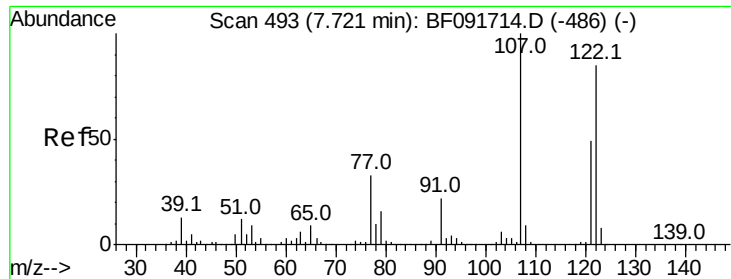
Ion Ratio Lower Upper

139 100

109 26.5 23.3 34.9

65 41.0 42.7 64.1#





#27

2,4-Dimethylphenol

Concen: 27.71 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

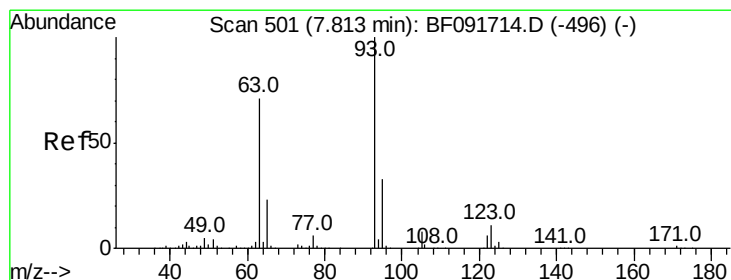
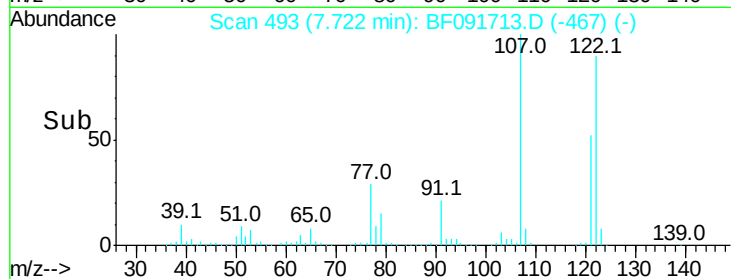
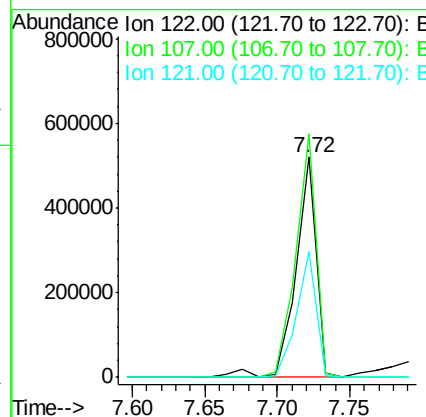
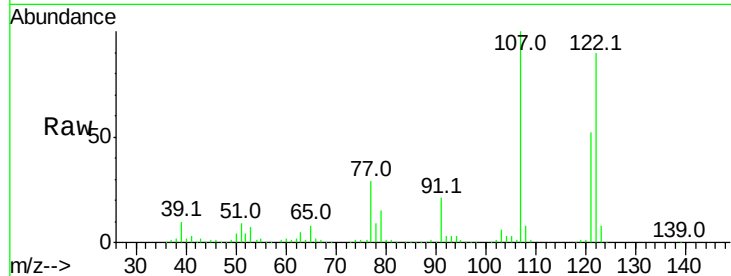
ClientSampleId :

SSTDIC025

Tot Ion:	122	Resp:	511870
Ion Ratio	Lower	Upper	
122	100		
107	110.6	94.1	141.1
121	57.2	46.0	69.0

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



#28

bis(2-Chloroethoxy)methane

Concen: 28.52 ng

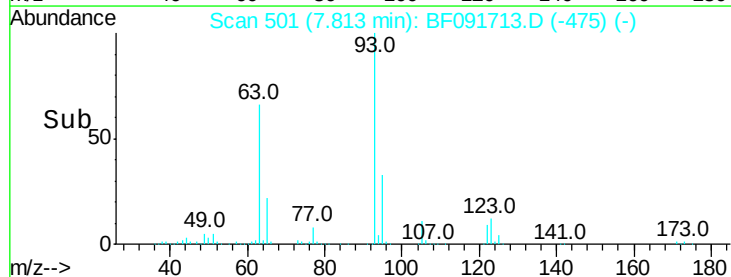
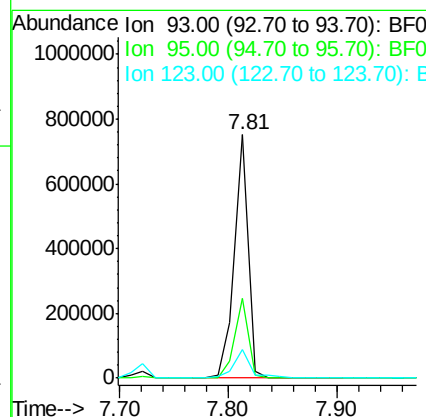
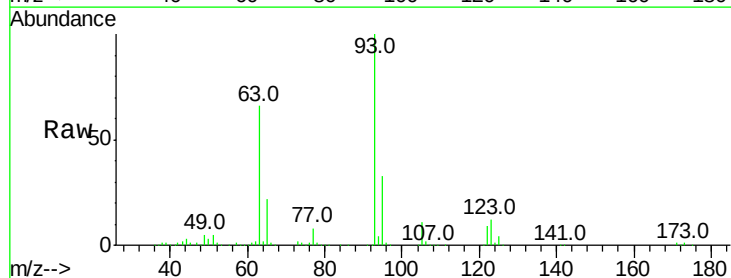
RT: 7.81 min Scan# 501

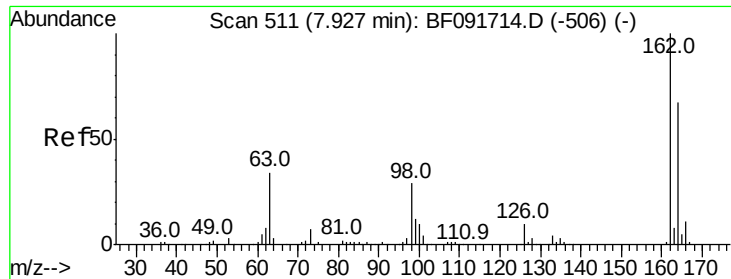
Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Tgt Ion:	93	Resp:	658956
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.5	39.7
123	11.9	8.6	13.0





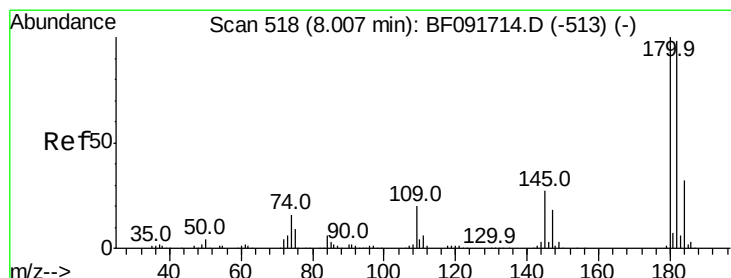
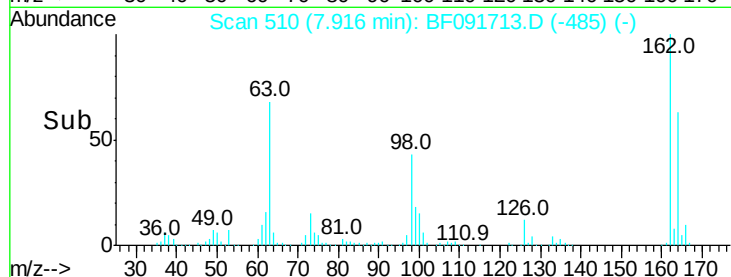
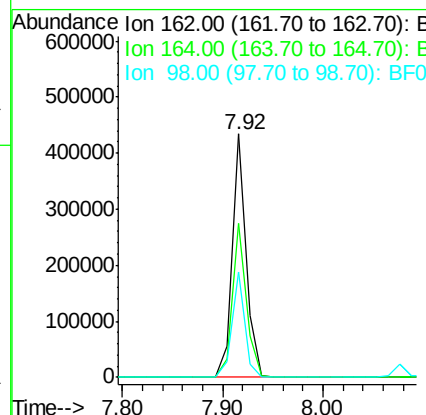
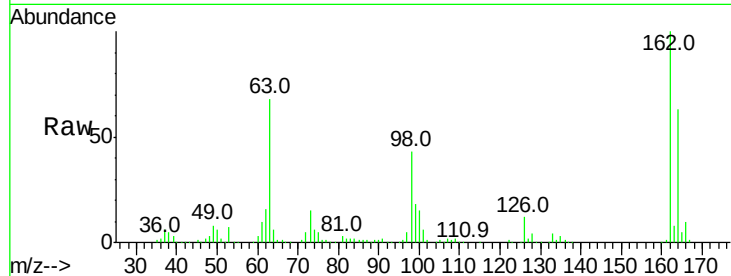
#29
 2,4-Dichlorophenol
 Concen: 26.26 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.2	46.8	86.8
98	43.2	9.1	49.1

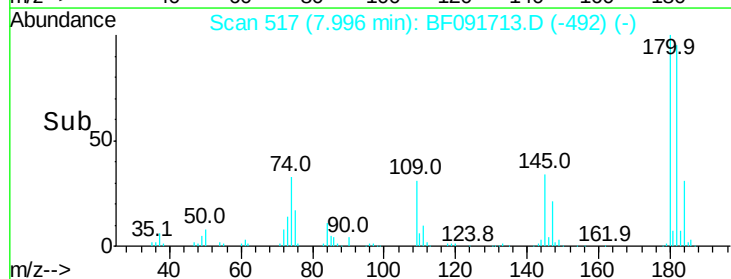
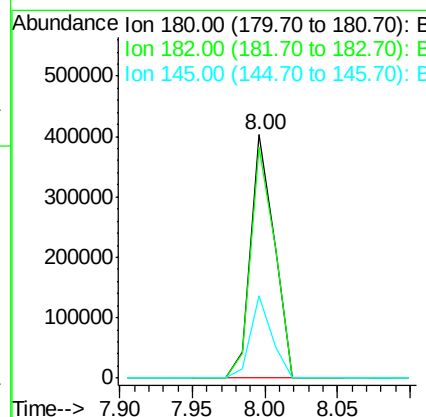
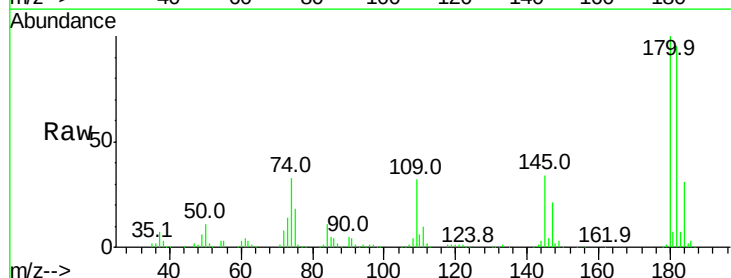
Manual Integrations
 APPROVED

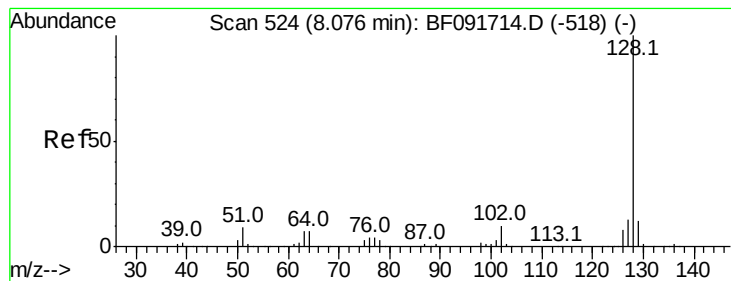
umangi
 12/20/2016 11:40:02 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 24.94 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.0	78.2	117.4
145	34.0	21.6	32.4





#31

Naphthalene

Concen: 25.10 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

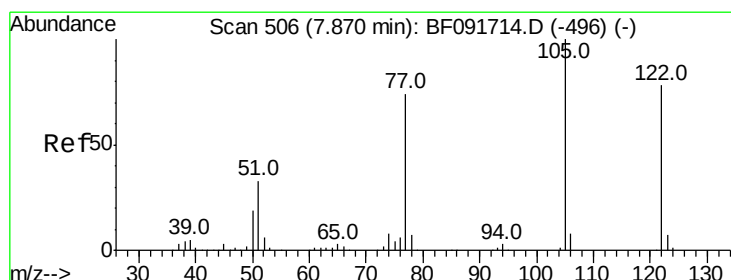
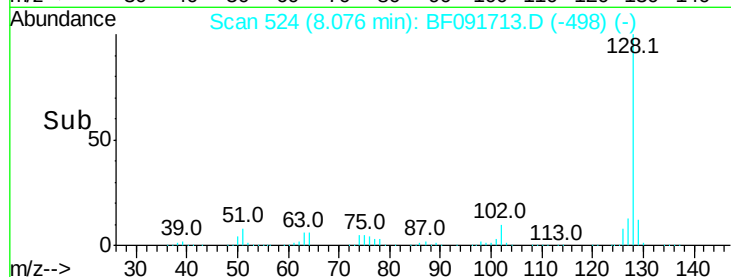
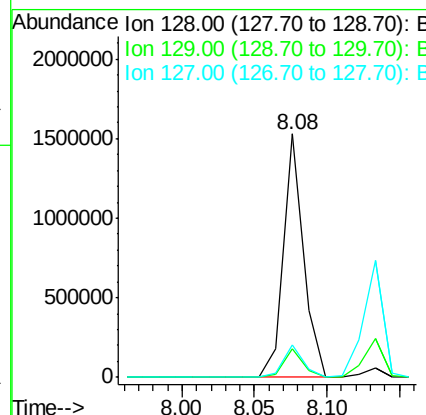
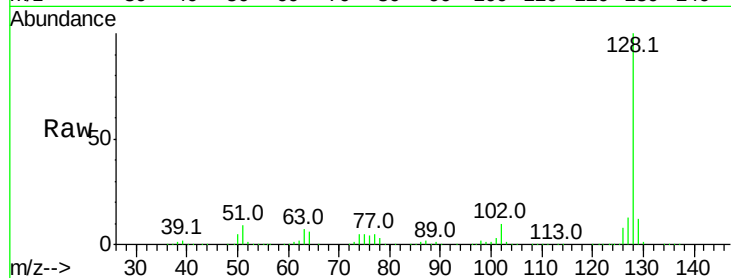
ClientSampleId :

SSTDICC025

Tot Ion:	128	Resp:	1464317
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.5	14.3
127	13.5	10.8	16.2

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



#32

Benzoic acid

Concen: 27.93 ng

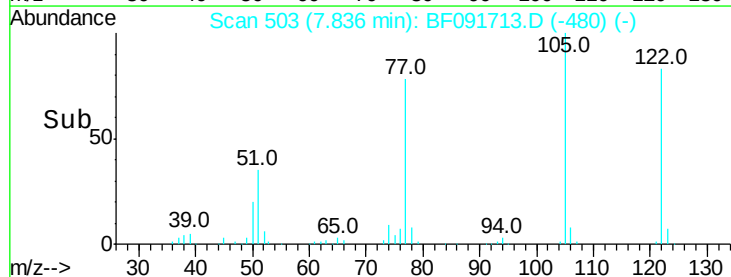
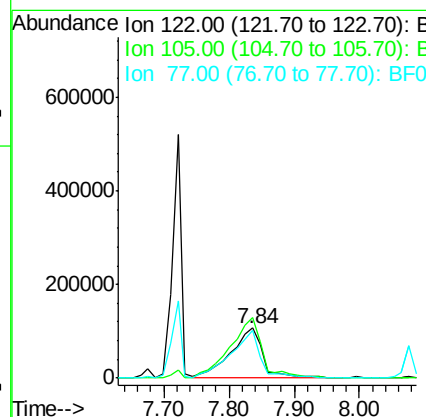
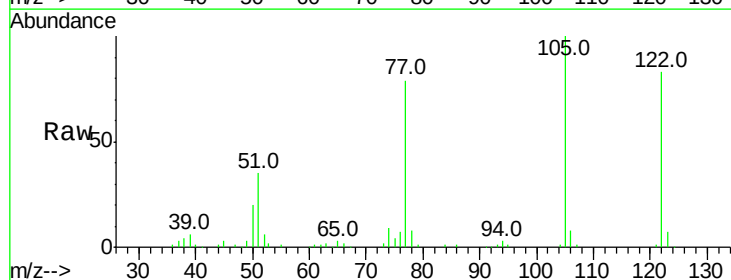
RT: 7.84 min Scan# 503

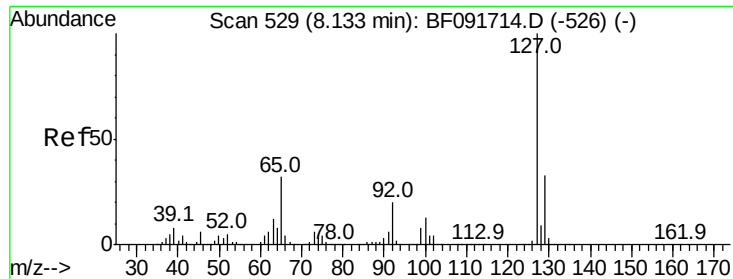
Delta R.T. -0.03 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Tgt Ion:	122	Resp:	351976
Ion	Ratio	Lower	Upper
122	100		
105	121.1	107.2	147.2
77	95.3	74.5	114.5





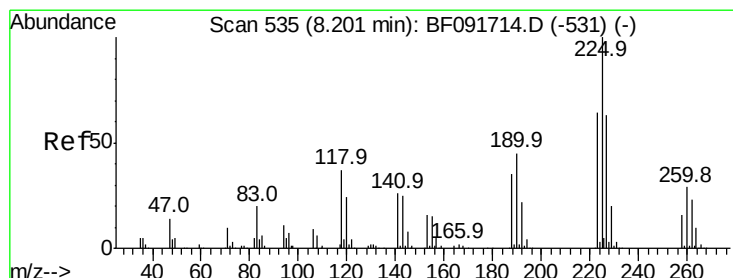
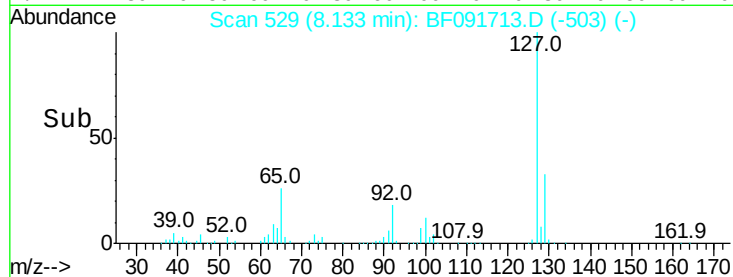
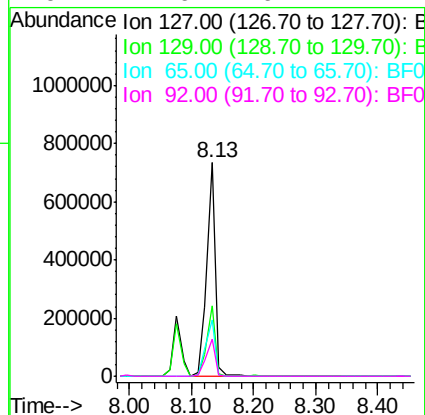
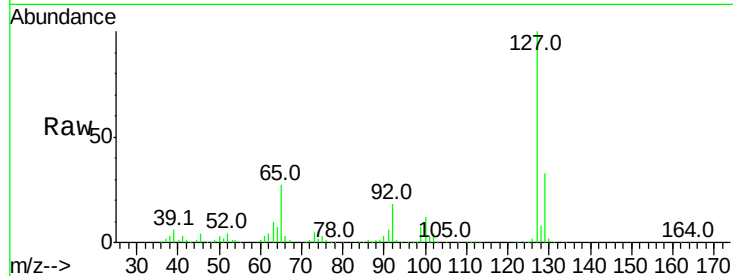
#33
4-Chloroaniline
Concen: 28.11 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC025

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.0	26.3	39.5		
65	26.6	25.8	38.8		
92	17.6	16.1	24.1		

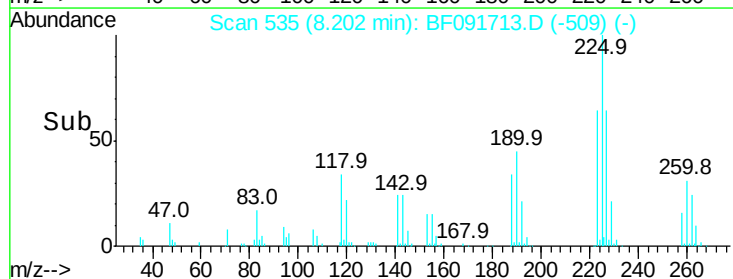
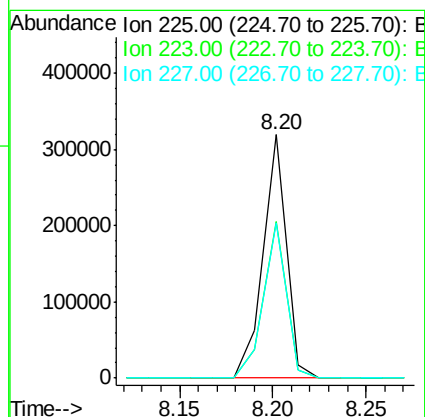
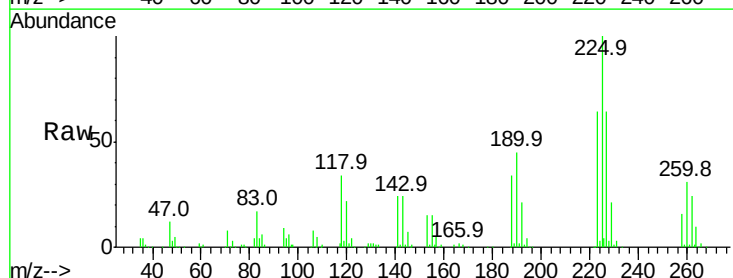
Manual Integrations
APPROVED

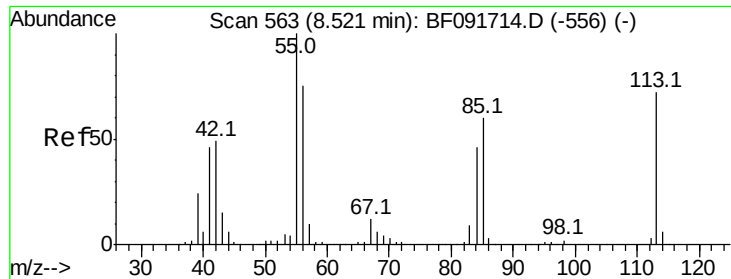
umangi
12/20/2016 11:40:02 AM



#34
Hexachlorobutadiene
Concen: 26.66 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.2	51.0	76.6		
227	64.0	50.6	76.0		





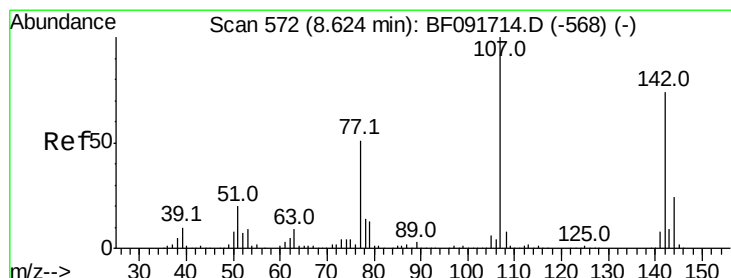
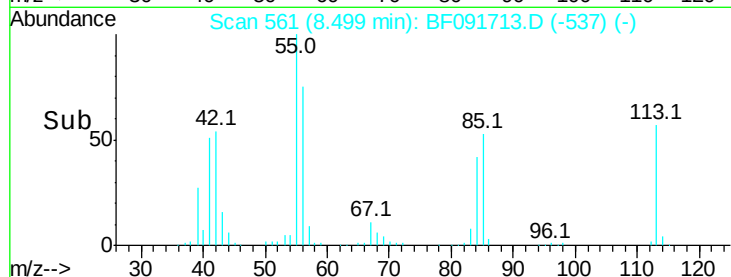
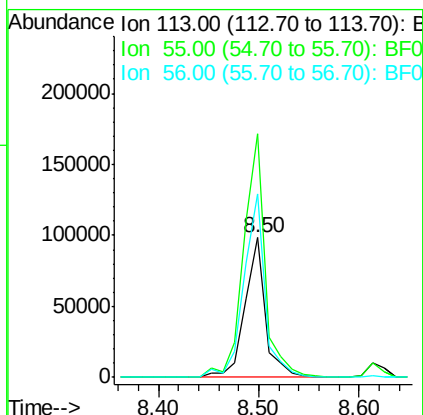
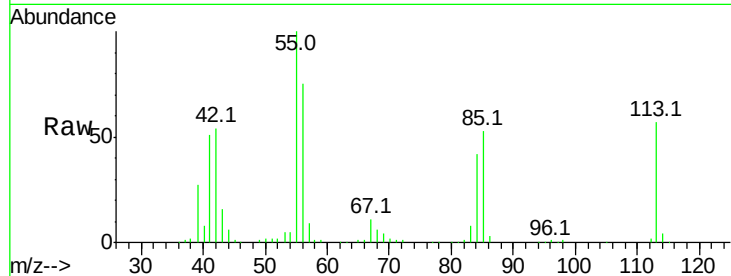
#35
 Caprolactam
 Concen: 28.58 ng
 RT: 8.50 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Lower	Upper
113	100		
55	174.4	119.2	159.2#
56	131.6	83.8	123.8#

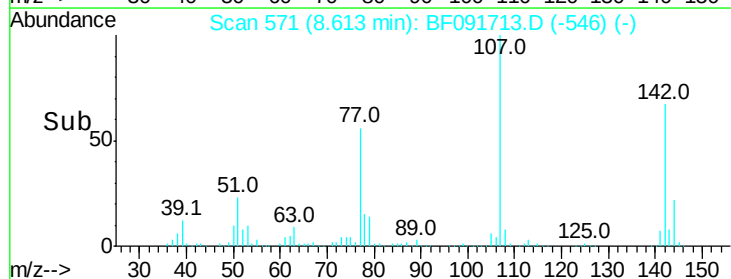
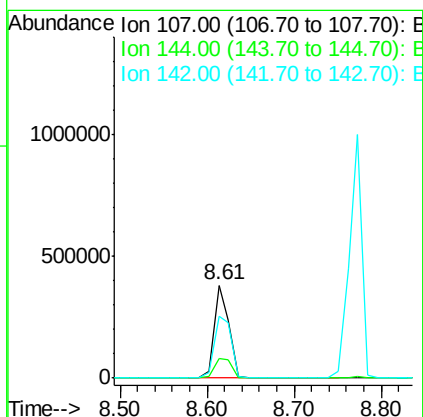
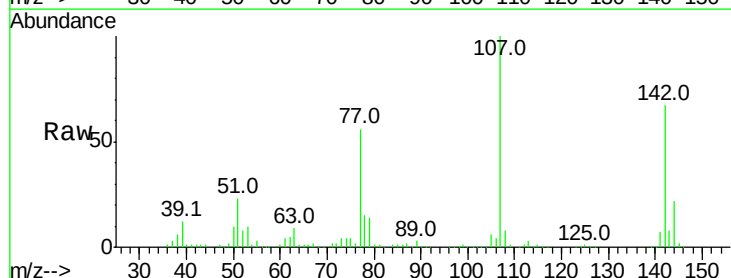
Manual Integrations
 APPROVED

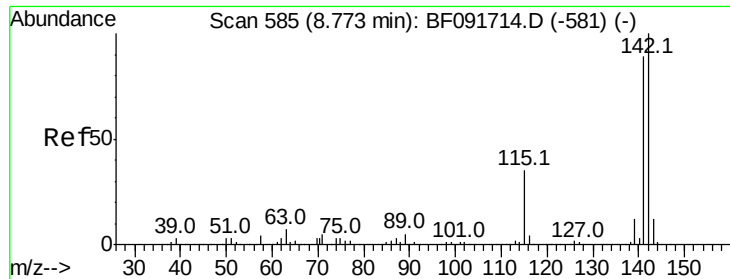
umangi
 12/20/2016 11:40:02 AM



#36
 4-Chloro-3-methylphenol
 Concen: 25.29 ng
 RT: 8.61 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.8	19.3	28.9
142	67.4	59.0	88.6





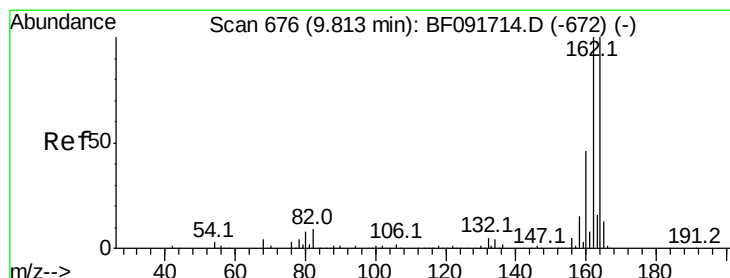
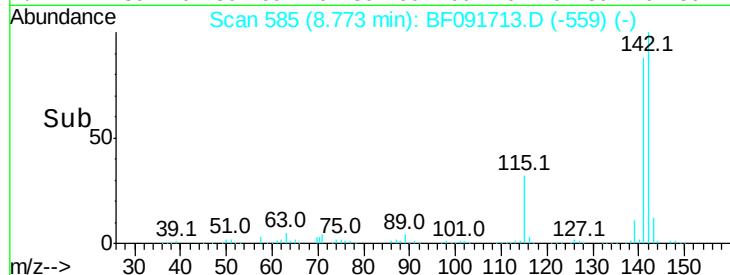
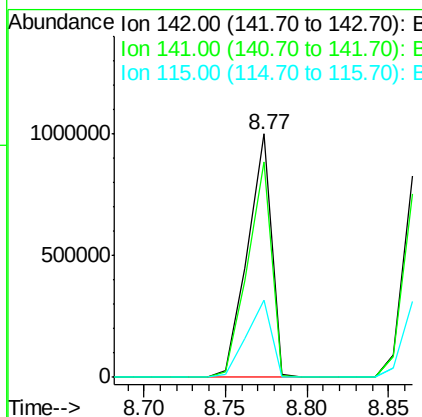
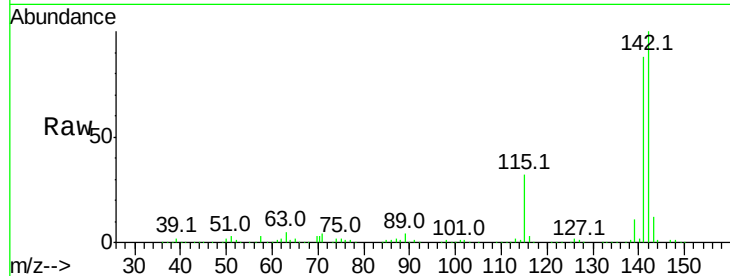
#37
2-Methylnaphthalene
Concen: 27.07 ng
RT: 8.77 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion:142 Resp: 1023280
Ion Ratio Lower Upper
142 100
141 88.3 71.0 106.6
115 31.9 28.3 42.5

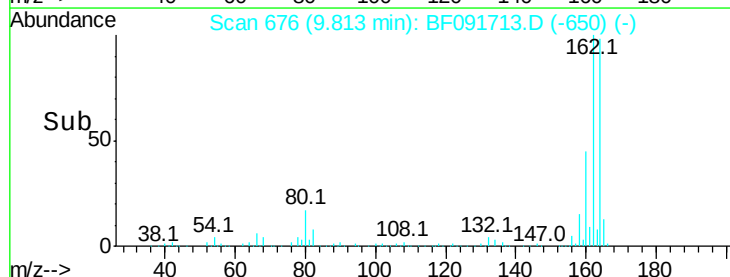
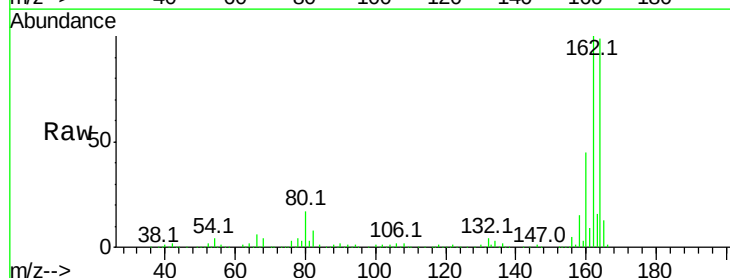
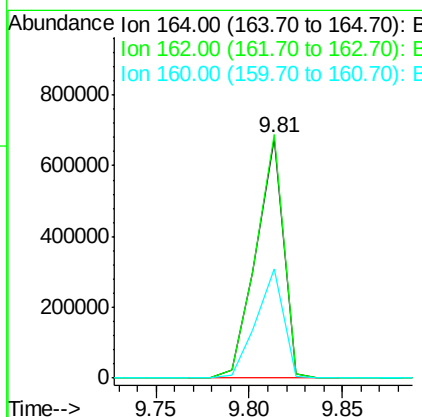
Manual Integrations
APPROVED

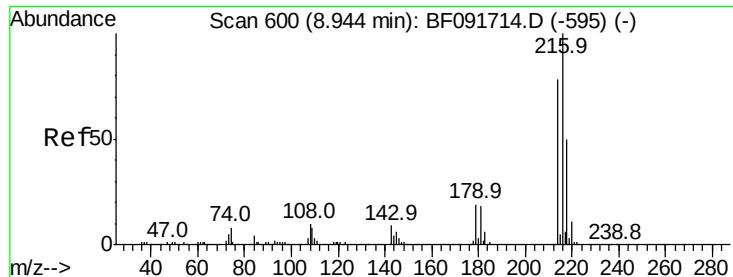
umangi
12/20/2016 11:40:02 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion:164 Resp: 692656
Ion Ratio Lower Upper
164 100
162 101.5 80.2 120.2
160 45.6 36.9 55.3





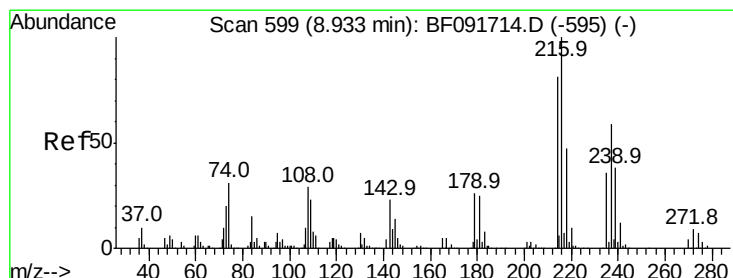
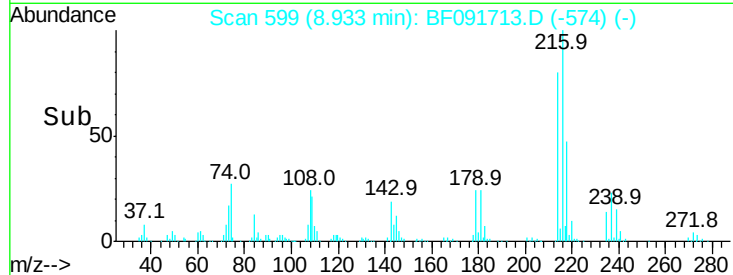
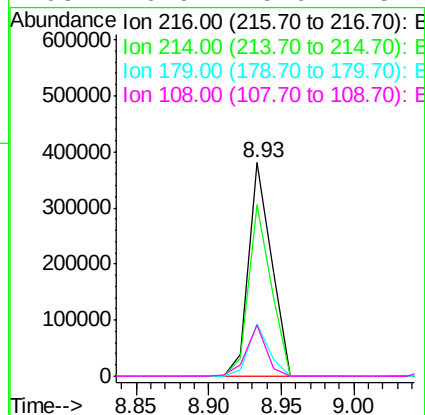
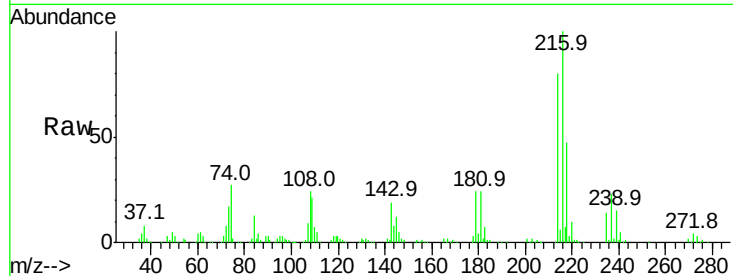
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 21.75 ng
 RT: 8.93 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion:	216	Resp:	416027
Ion Ratio		Lower	Upper
216	100		
214	78.7	63.4	95.0
179	22.0	17.4	26.2
108	20.9	15.6	23.4

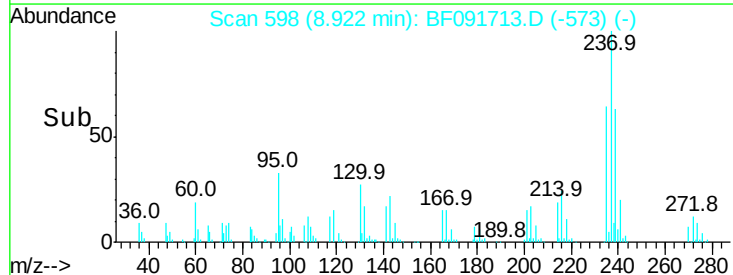
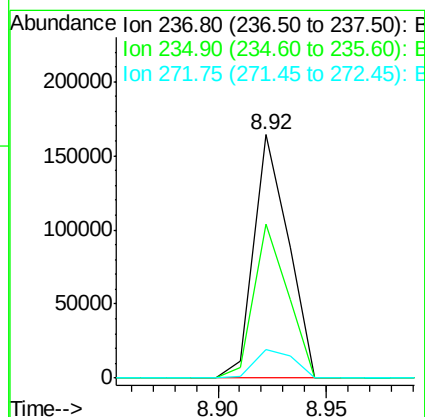
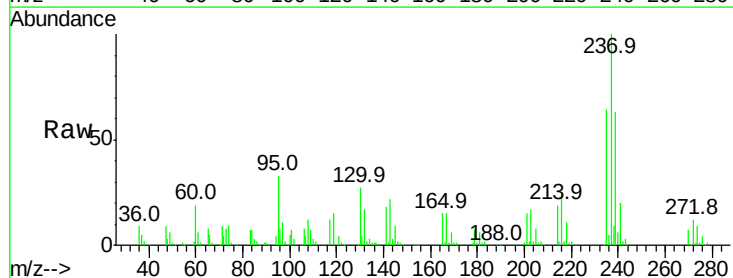
Manual Integrations
 APPROVED

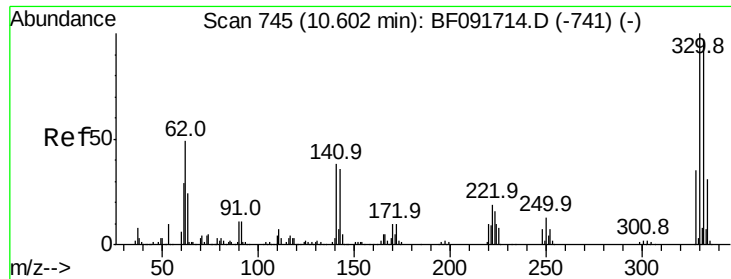
umangi
 12/20/2016 11:40:02 AM



#40
 Hexachlorocyclopentadiene
 Concen: 21.44 ng
 RT: 8.92 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion:	237	Resp:	181104
Ion Ratio		Lower	Upper
237	100		
235	63.5	41.2	81.2
272	11.9	0.0	35.4





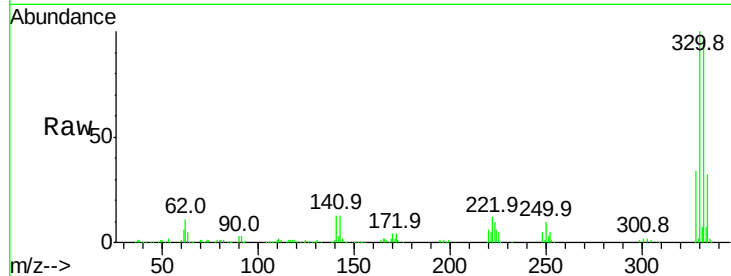
#41
 2,4,6-Tribromophenol
 Concen: 55.05 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

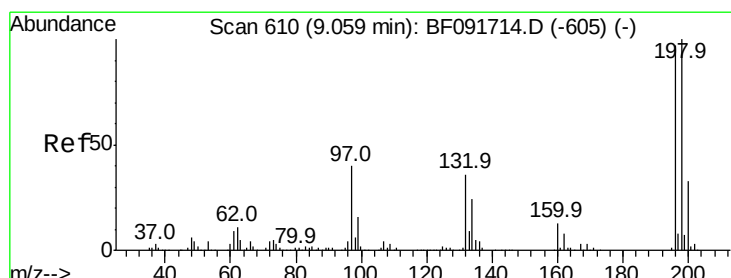
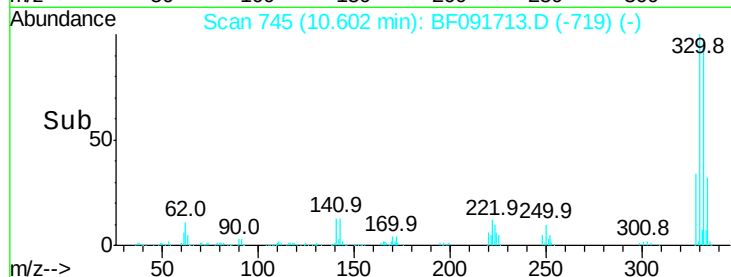
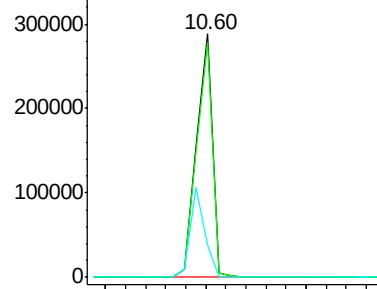
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.4	116.2	
141	33.9	34.1	51.1#	

Manual Integrations
 APPROVED

umangi
 12/20/2016 11:40:02 AM



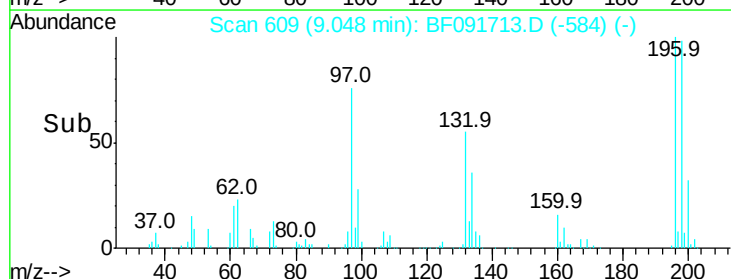
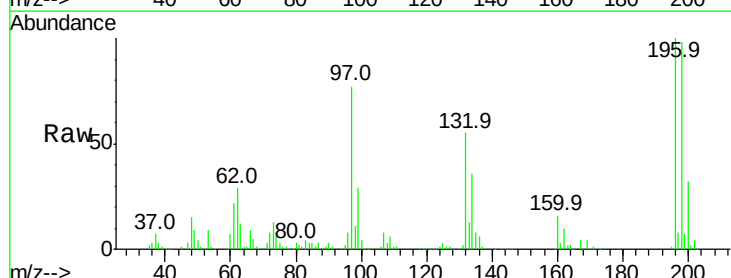
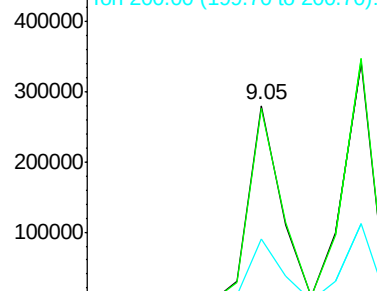
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

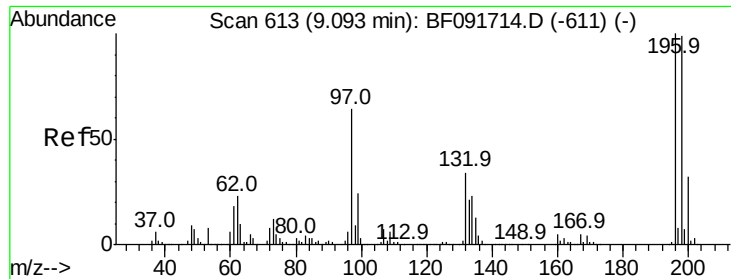


#42
 2,4,6-Trichlorophenol
 Concen: 24.00 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	98.5	82.1	123.1	
200	31.9	27.0	40.4	

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





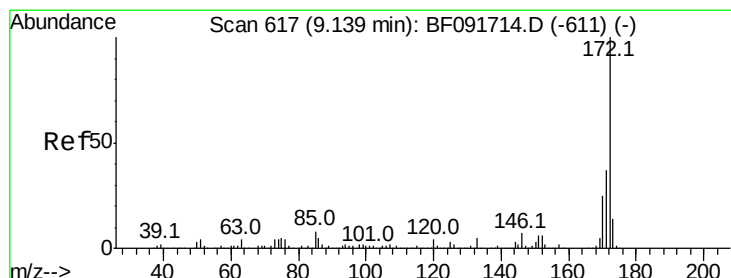
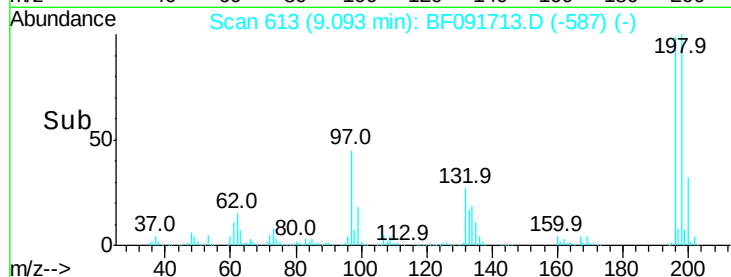
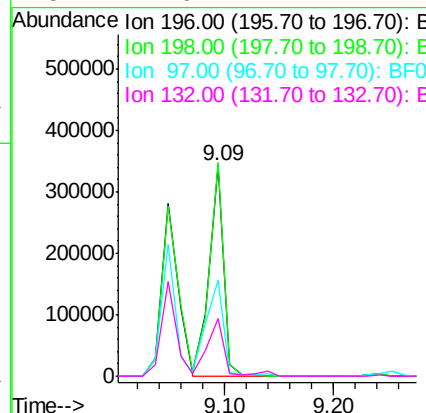
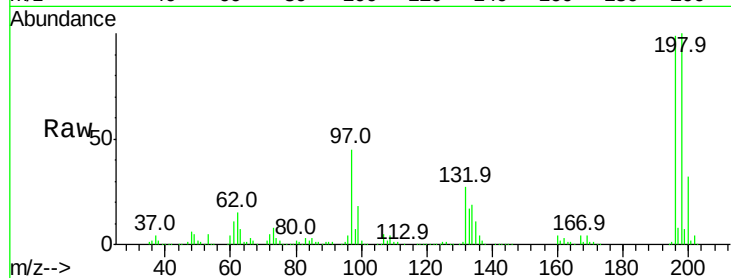
#43
 2,4,5-Trichlorophenol
 Concen: 25.41 ng
 RT: 9.09 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Resp	Lower	Upper
196	100	321932		
198	101.3	79.4	119.2	
97	45.7	51.5	77.3	
132	27.6	27.4	41.2	

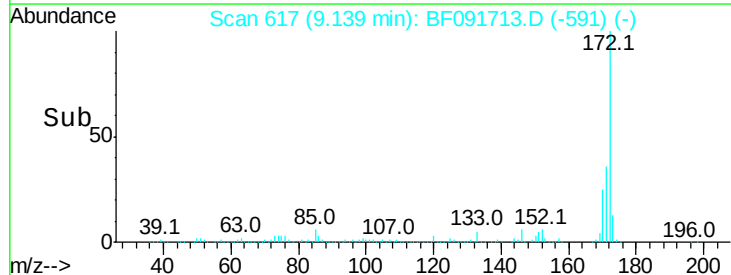
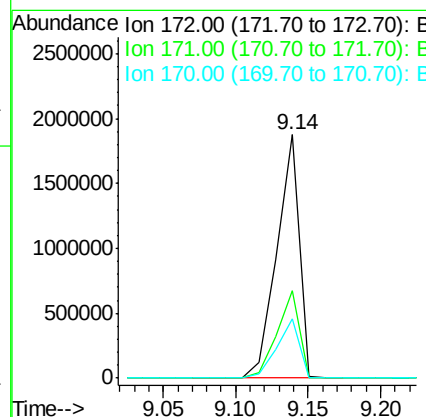
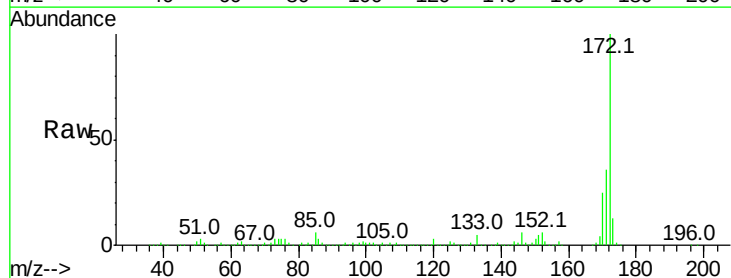
Manual Integrations
 APPROVED

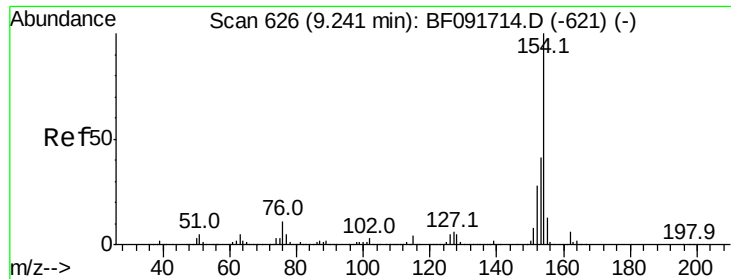
umangi
 12/20/2016 11:40:02 AM



#44
 2-Fluorobiphenyl
 Concen: 51.08 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2008182		
171	36.0	29.4	44.0	
170	24.6	20.2	30.4	





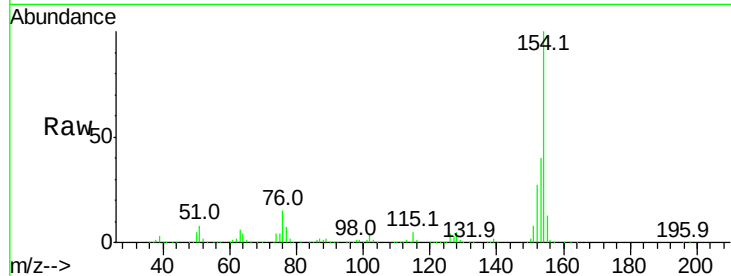
#45
 1,1'-Biphenyl
 Concen: 23.27 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

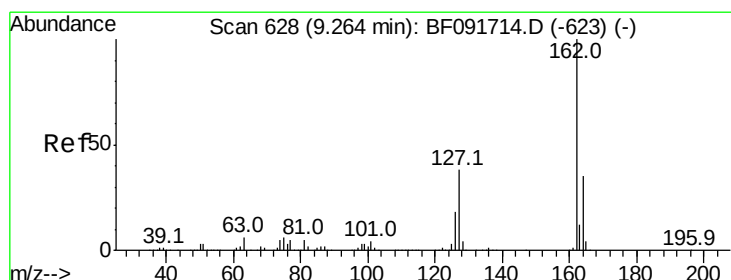
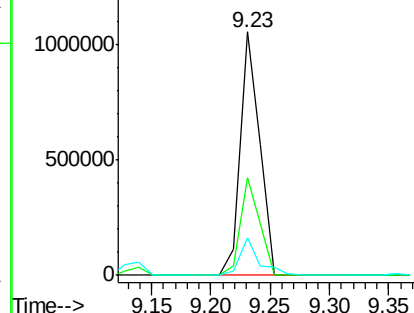
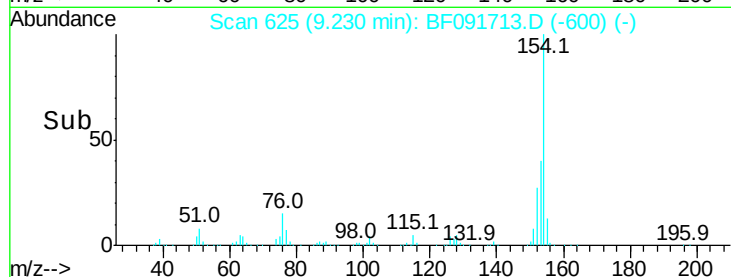
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.9	60.9
76	15.2	0.0	30.5

Manual Integrations
 APPROVED

umangi
 12/20/2016 11:40:02 AM

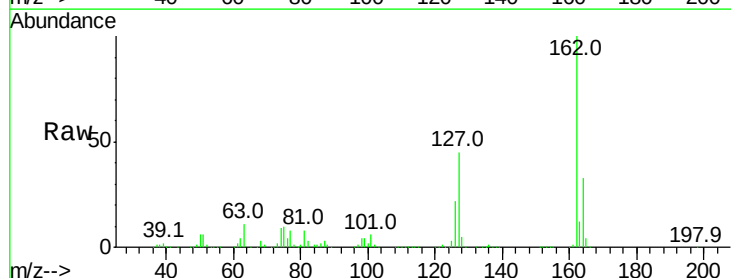


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

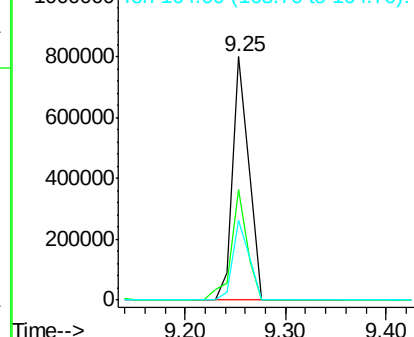
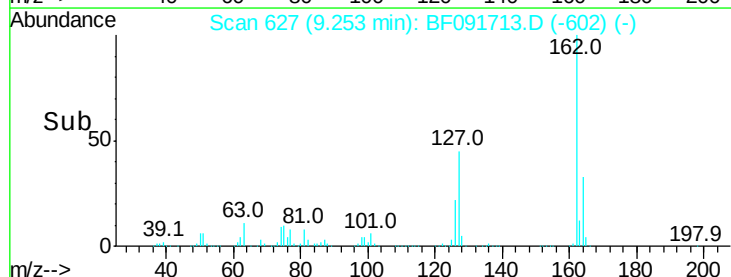


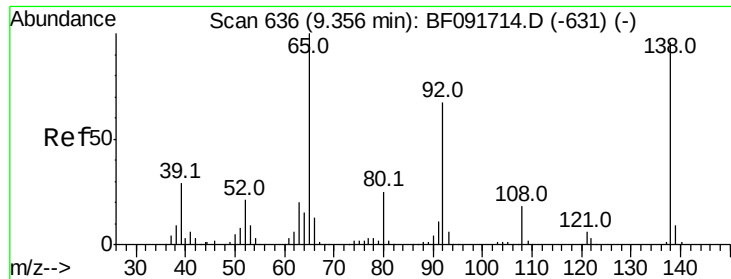
#46
 2-Chloronaphthalene
 Concen: 22.71 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
162	100		
127	45.3	30.7	46.1
164	32.9	27.6	41.4



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





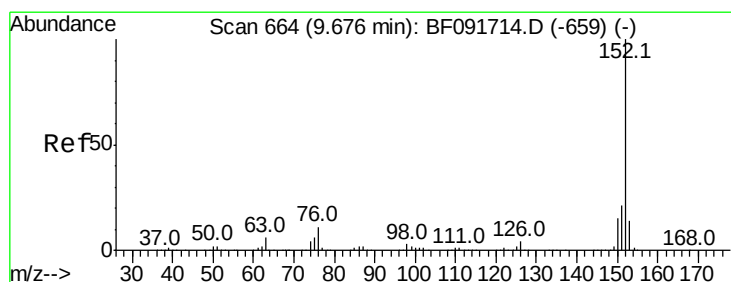
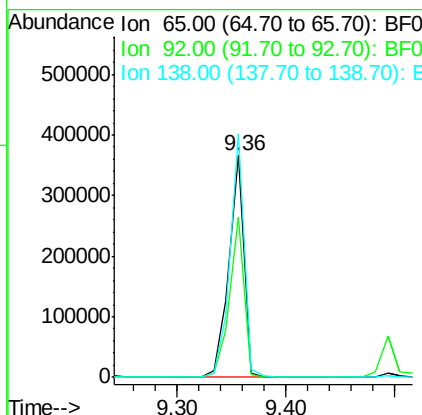
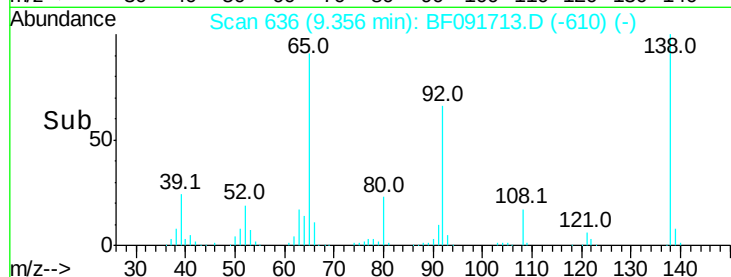
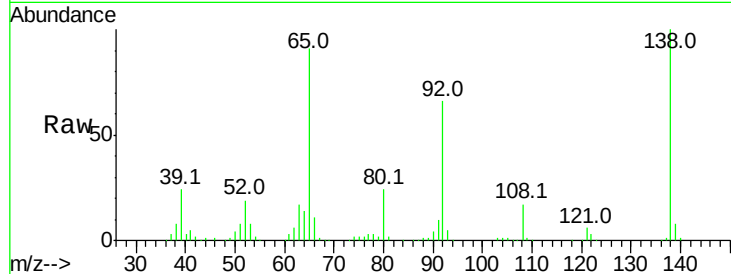
#47
 2-Nitroaniline
 Concen: 27.26 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion:	65	Resp:	352126
Ion Ratio	Lower	Upper	
65	100		
92	72.4	53.9	80.9
138	109.8	76.8	115.2

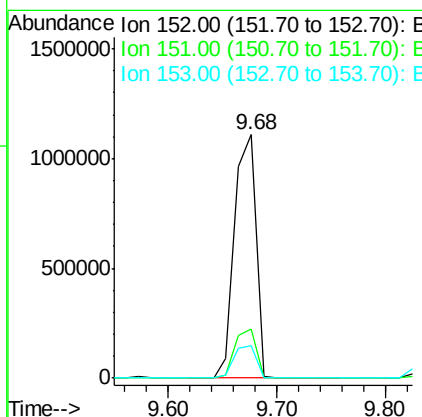
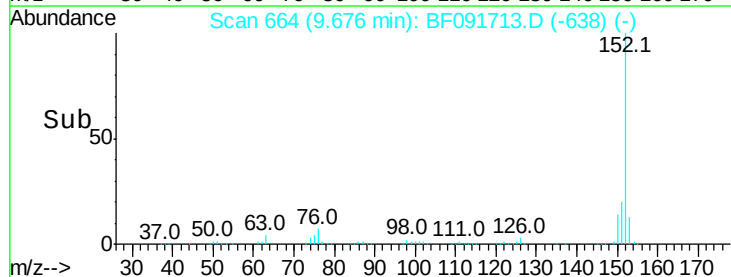
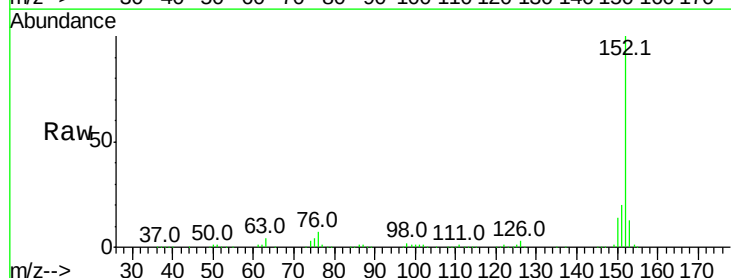
Manual Integrations
 APPROVED

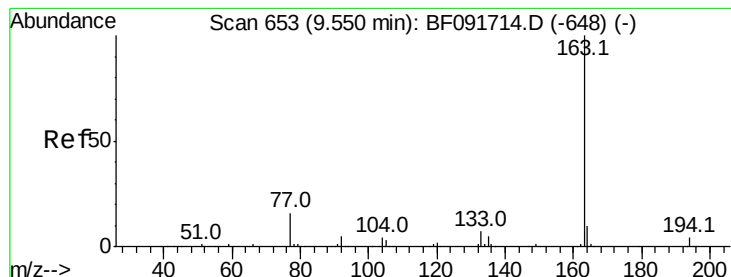
umangi
 12/20/2016 11:40:02 AM



#48
 Acenaphthylene
 Concen: 25.01 ng
 RT: 9.68 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion:	152	Resp:	1489765
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.9	25.3
153	13.4	11.4	17.2





#49

Dimethylphthalate

Concen: 24.70 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

Tot Ion:163 Resp: 1097648

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

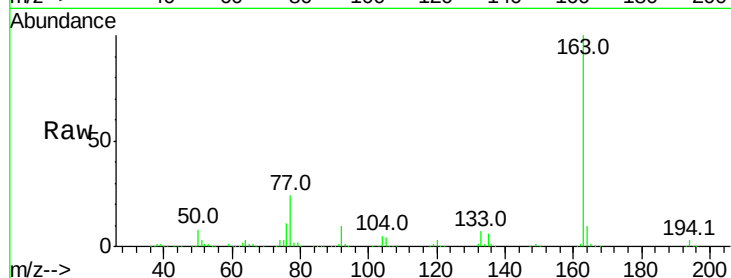
164 10.4 8.0 12.0

Manual Integrations

APPROVED

umangi

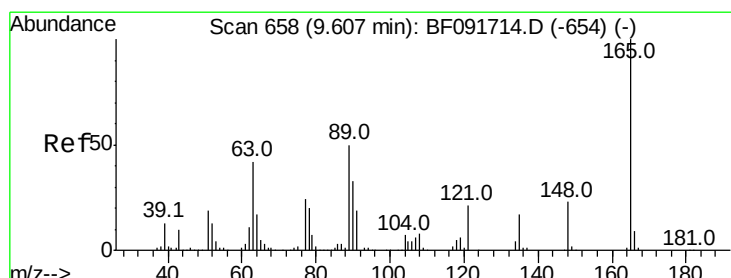
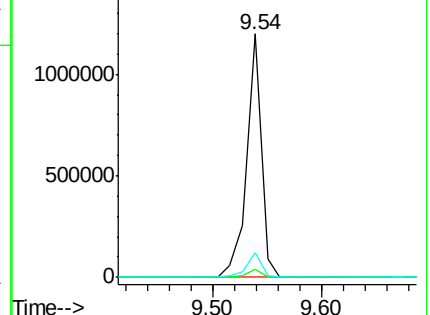
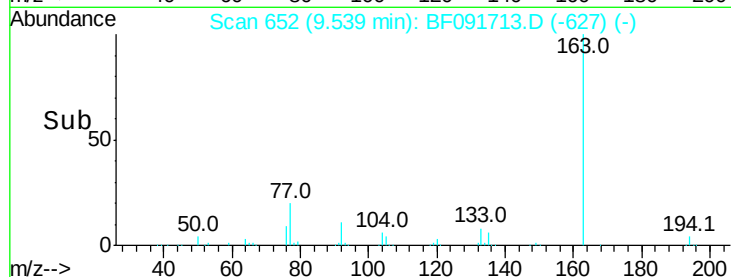
12/20/2016 11:40:02 AM



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 23.29 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

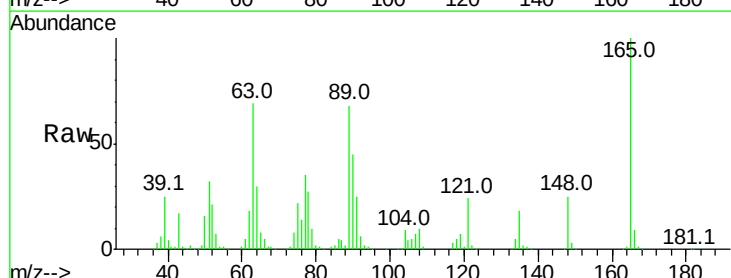
Tgt Ion:165 Resp: 228216

Ion Ratio Lower Upper

165 100

63 68.6 36.2 54.4#

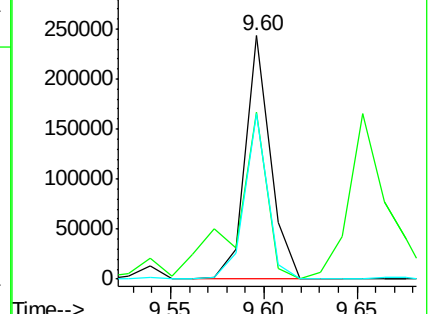
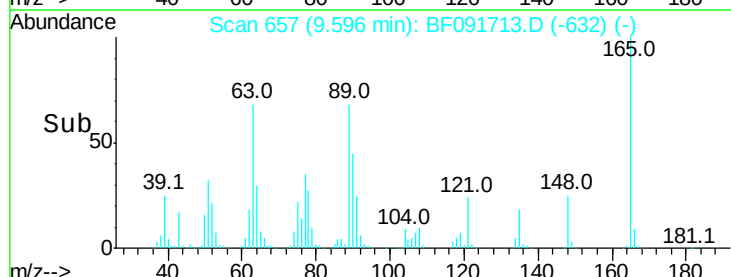
89 68.0 40.2 60.4#

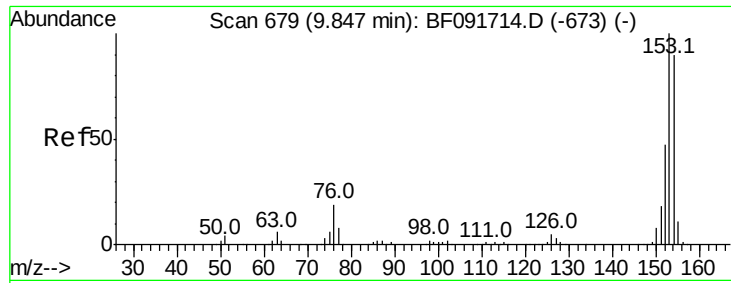


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





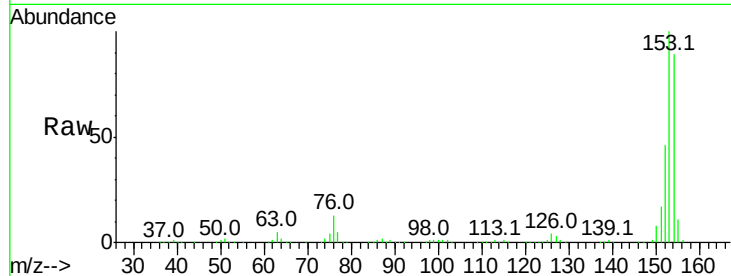
#51
Acenaphthene
Concen: 24.61 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

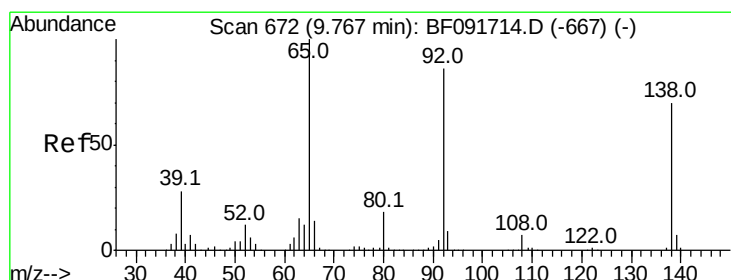
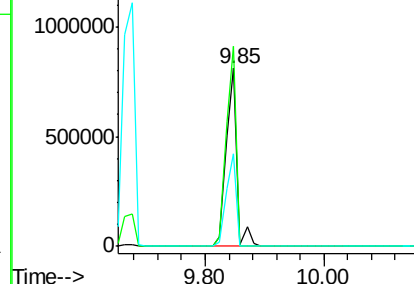
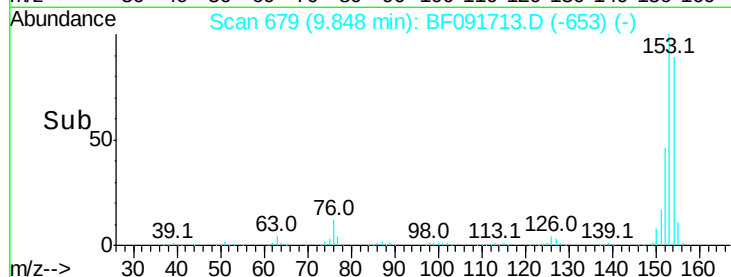
Tot Ion	Ratio	Lower	Upper
154	100		
153	112.8	88.6	133.0
152	52.2	41.6	62.4

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM

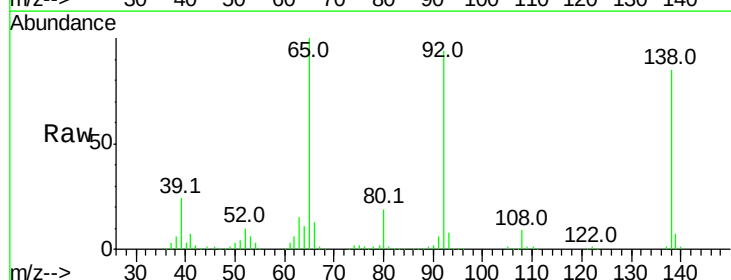


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

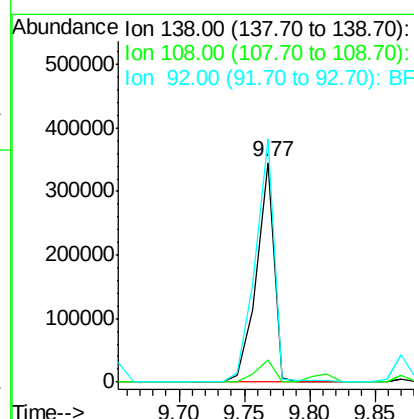
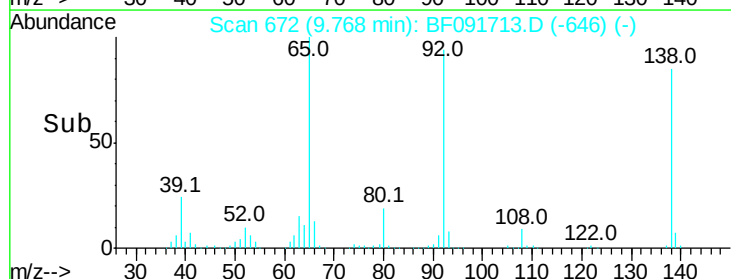


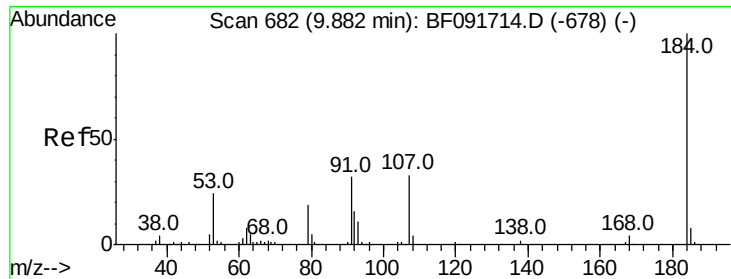
#52
3-Nitroaniline
Concen: 28.93 ng
RT: 9.77 min Scan# 672
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.5	12.7
92	110.7	97.8	146.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





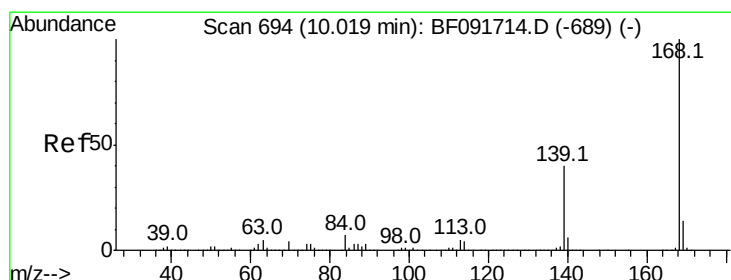
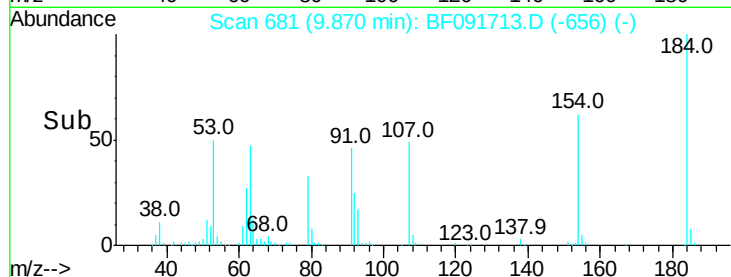
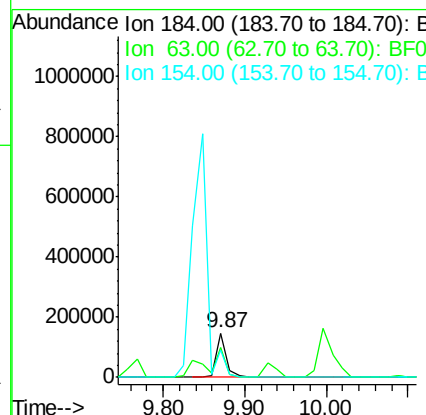
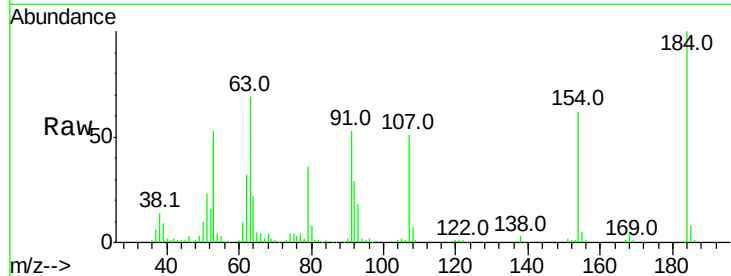
#53
 2,4-Dinitrophenol
 Concen: 33.79 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	68.7	28.4	42.6	#
154	62.1	44.3	66.5	

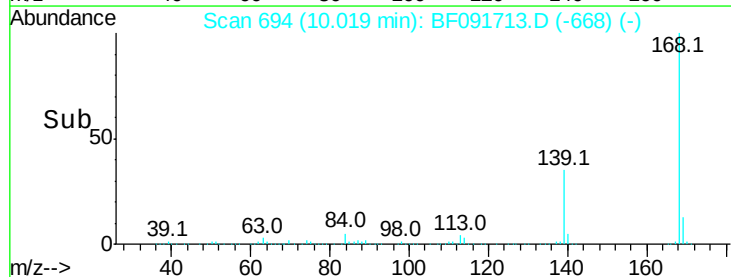
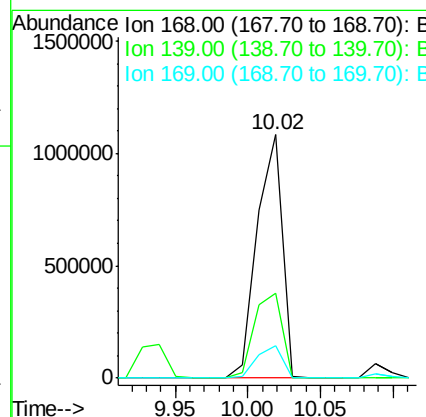
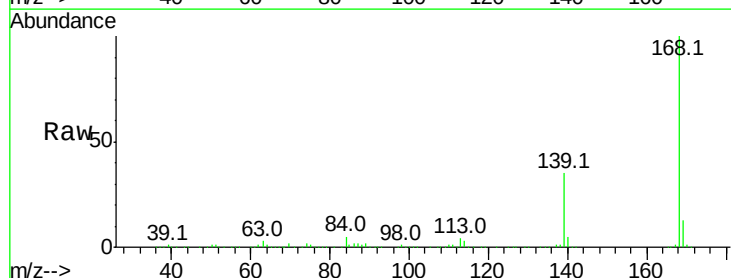
Manual Integrations
 APPROVED

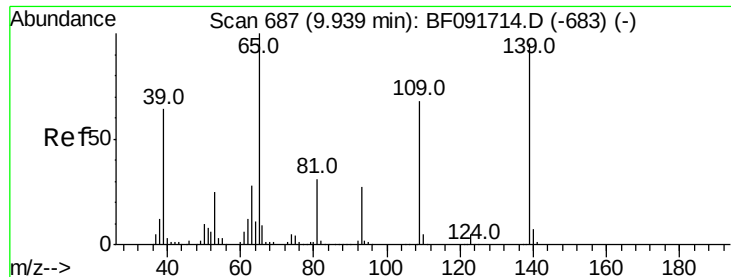
umangi
 12/20/2016 11:40:02 AM



#54
 Dibenzofuran
 Concen: 25.45 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	34.8	32.6	49.0	
169	13.1	11.3	16.9	





#55

4-Nitrophenol

Concen: 25.63 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC025

Tot Ion:139 Resp: 211885

Ion Ratio Lower Upper

139 100

109 52.8 52.2 92.2

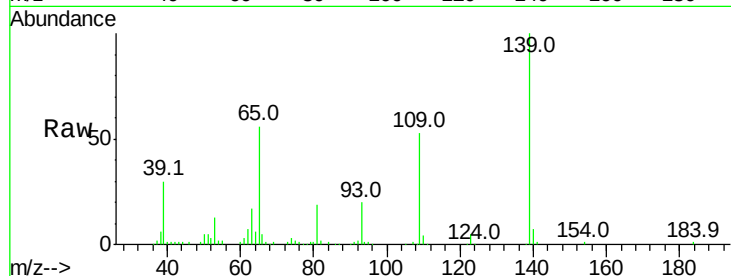
65 56.0 85.8 125.8#

Manual Integrations

APPROVED

umangi

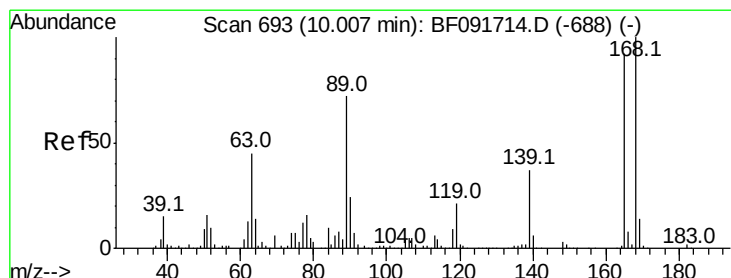
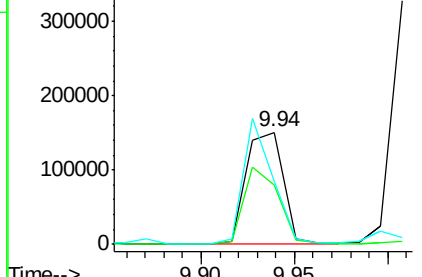
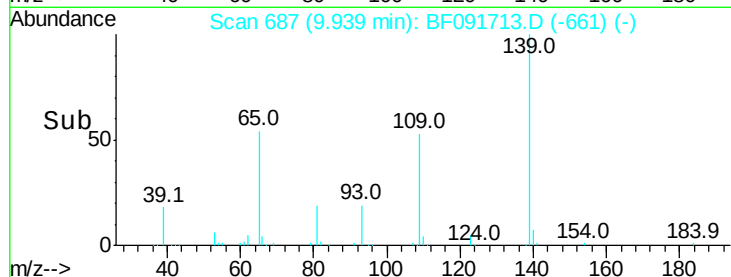
12/20/2016 11:40:02 AM



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: 24.28 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Tgt Ion:165 Resp: 295077

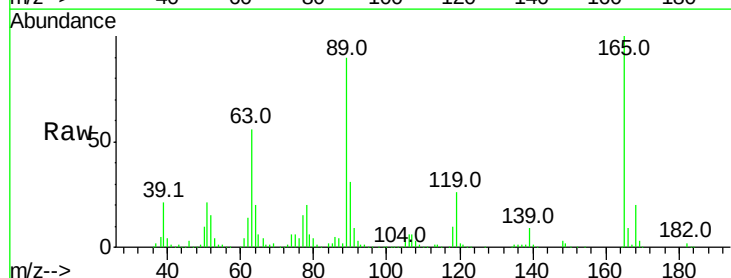
Ion Ratio Lower Upper

165 100

63 56.1 40.2 60.4

89 89.6 62.5 93.7

182 2.2 1.8 2.8

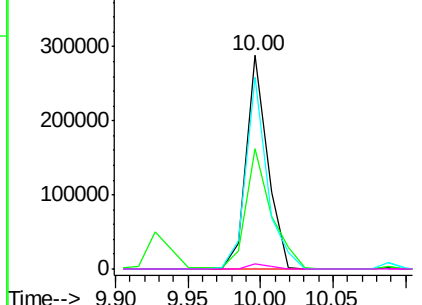
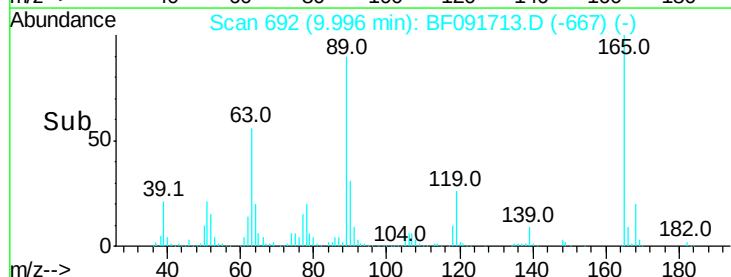


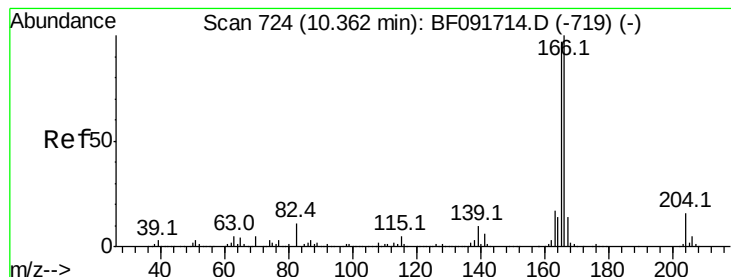
Abundance Ion 165.00 (164.70 to 165.70): E

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: 24.01 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

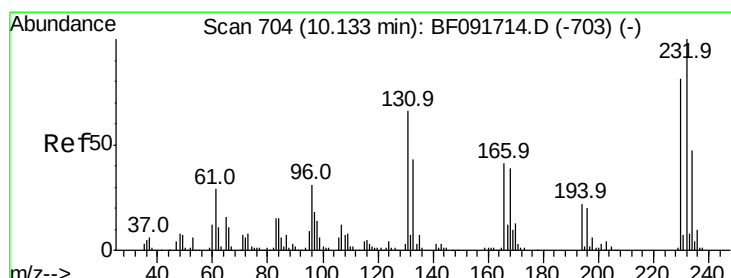
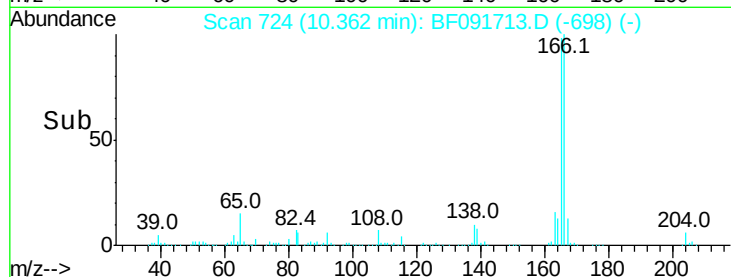
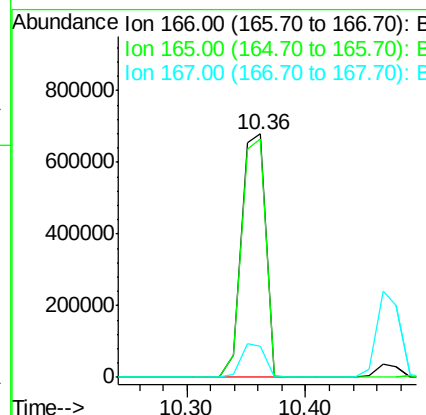
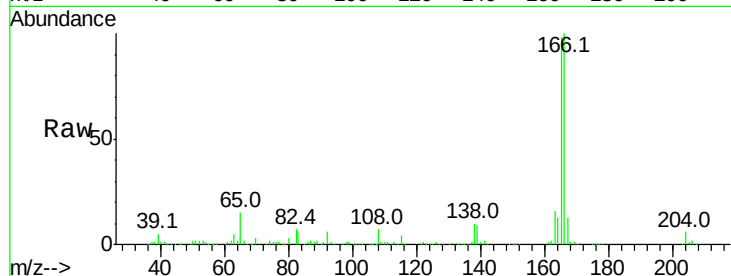
ClientSampleId :

SSTDICC025

Tot Ion:	166	Resp:	963284
Ion Ratio	Lower	Upper	
166	100		
165	98.0	77.8	116.8
167	12.9	10.8	16.2

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



#58

2,3,4,6-Tetrachlorophenol

Concen: 26.19 ng

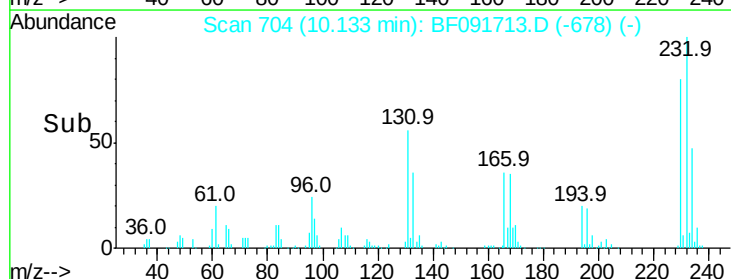
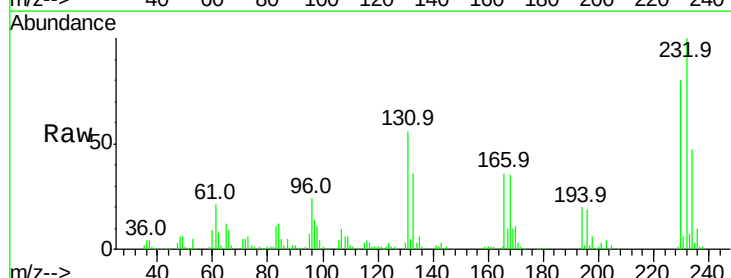
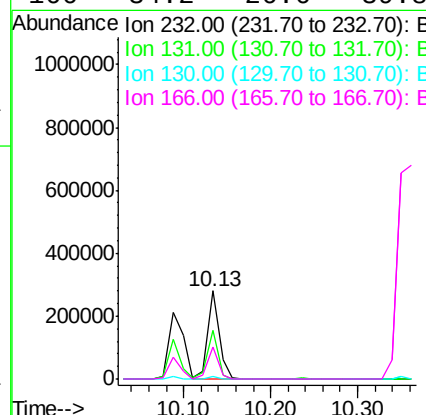
RT: 10.13 min Scan# 704

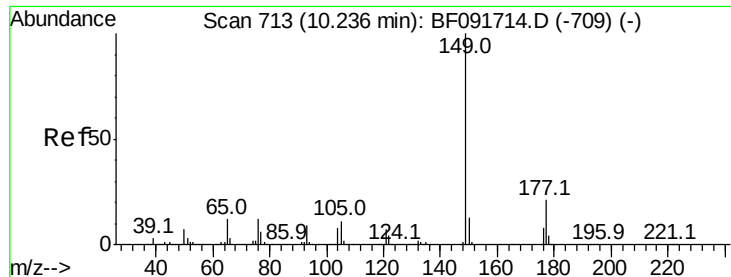
Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Tgt Ion:	232	Resp:	256553
Ion Ratio	Lower	Upper	
232	100		
131	51.9	40.1	60.1
130	2.6	1.8	2.8
166	34.2	26.6	39.8





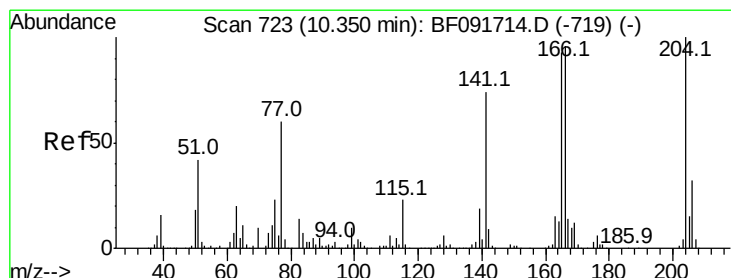
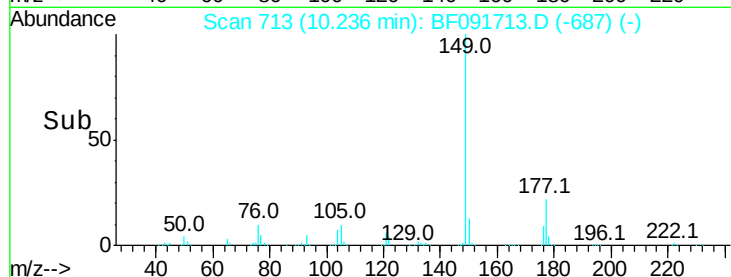
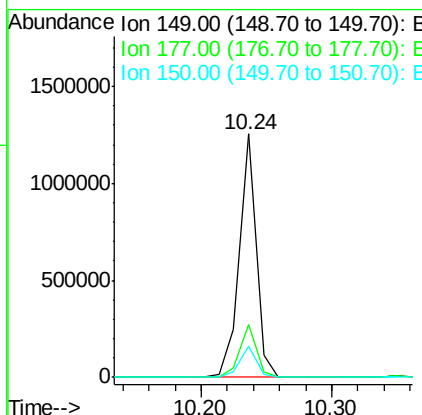
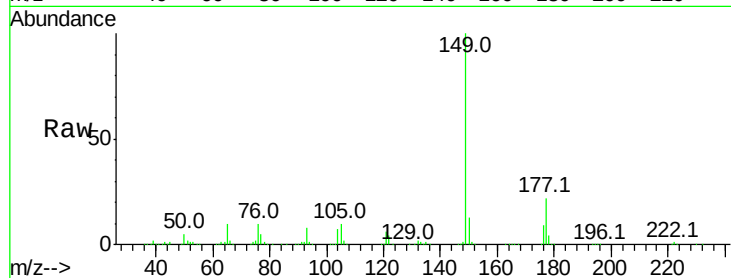
#59
Diethylphthalate
Concen: 26.33 ng
RT: 10.24 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.8	16.6	25.0
150	12.6	10.4	15.6

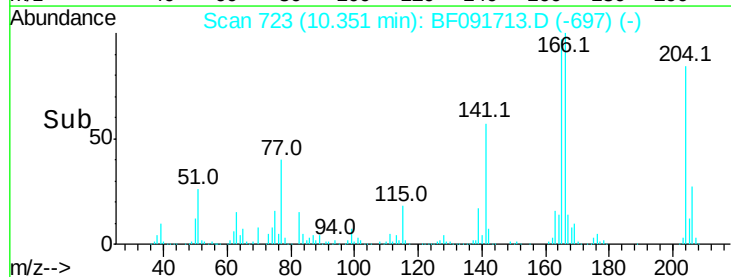
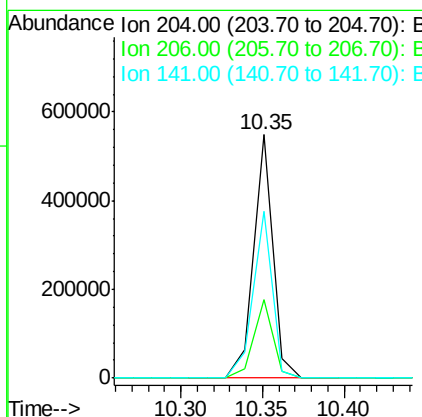
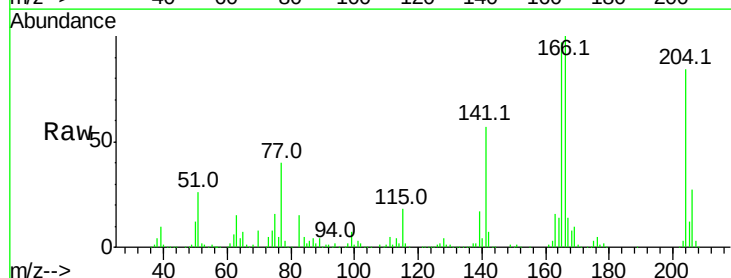
Manual Integrations
APPROVED

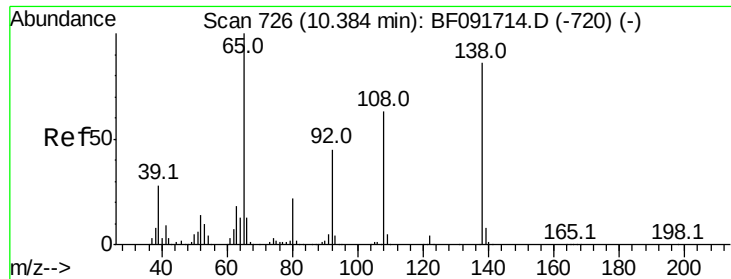
umangi
12/20/2016 11:40:02 AM



#60
4-Chlorophenyl-phenylether
Concen: 24.99 ng
RT: 10.35 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.6
141	68.5	59.4	89.0





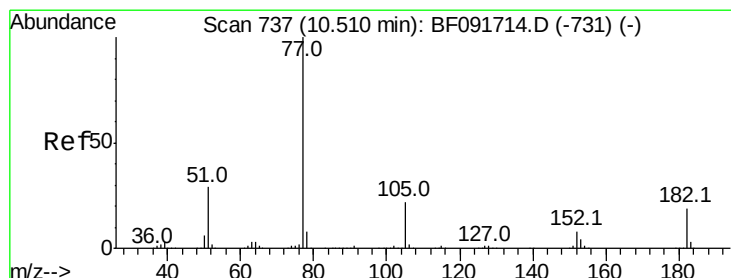
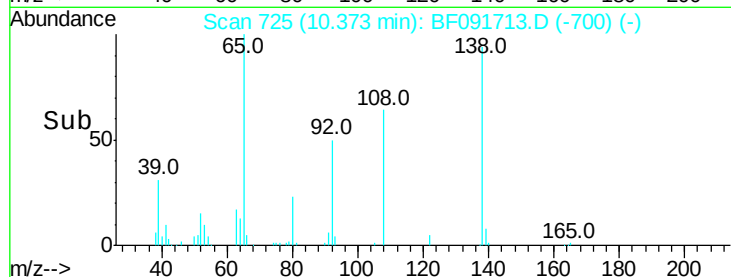
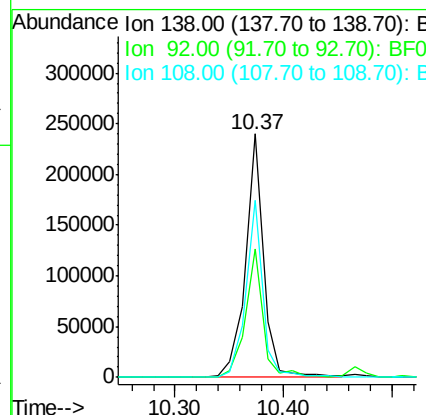
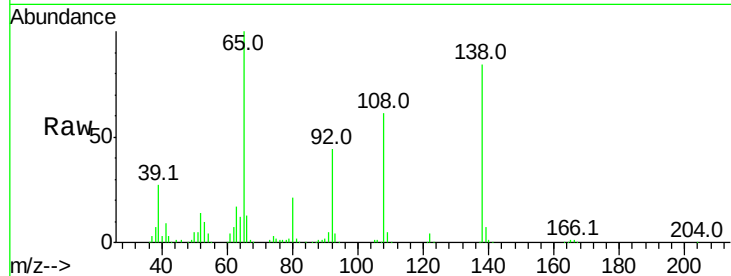
#61
4-Nitroaniline
Concen: 24.08 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion	Ratio	Lower	Upper
138	100		
92	52.8	31.7	71.7
108	72.6	52.6	92.6

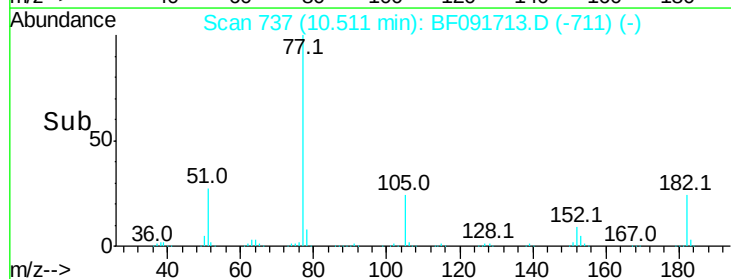
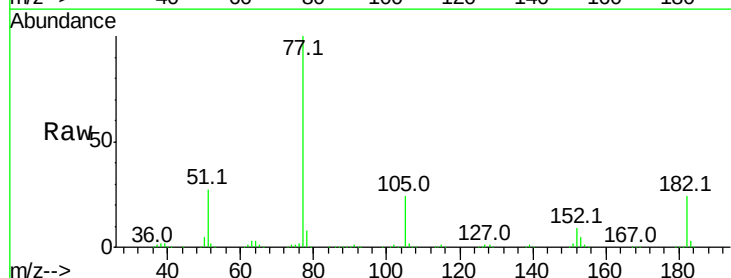
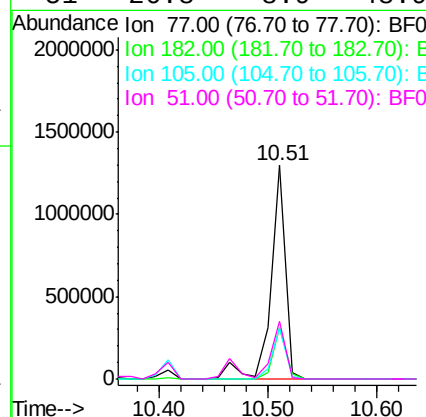
Manual Integrations
APPROVED

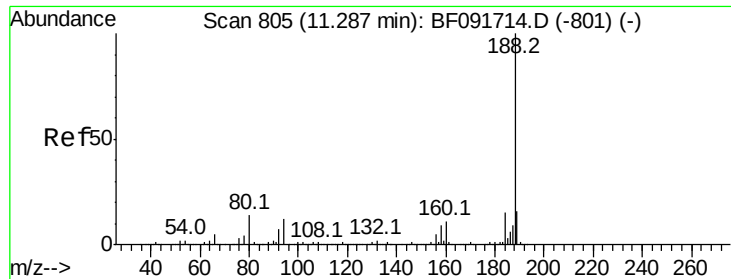
umangi
12/20/2016 11:40:02 AM



#62
Azobenzene
Concen: 26.15 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.7	0.0	39.3
105	23.9	2.3	42.3
51	26.8	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

Tot Ion:188 Resp: 1070135

Ion Ratio Lower Upper

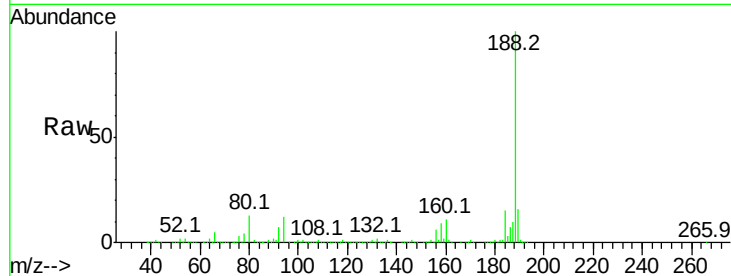
188 100

94 11.8 10.0 15.0

80 12.8 11.2 16.8

Manual Integrations
APPROVED

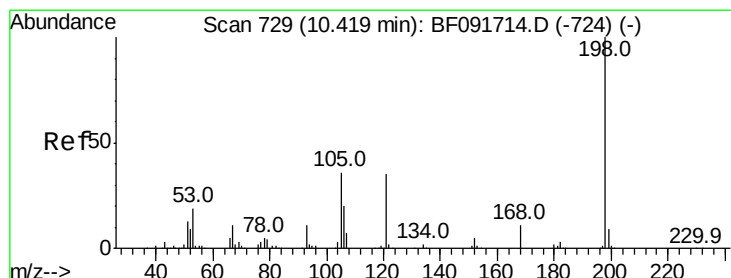
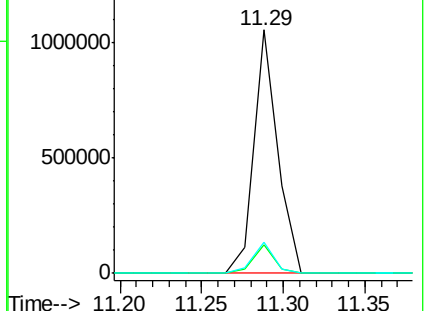
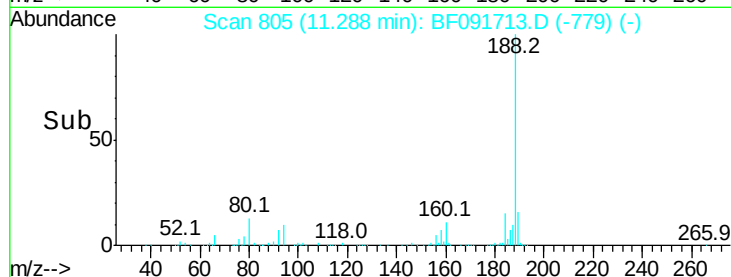
umangi
12/20/2016 11:40:02 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 33.56 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

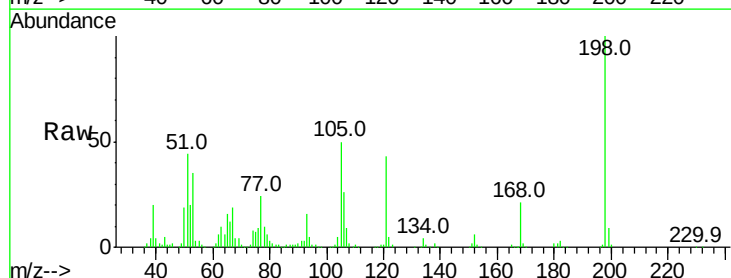
Tgt Ion:198 Resp: 192005

Ion Ratio Lower Upper

198 100

51 43.9 6.7 46.7

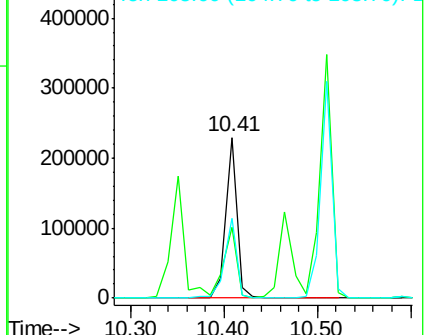
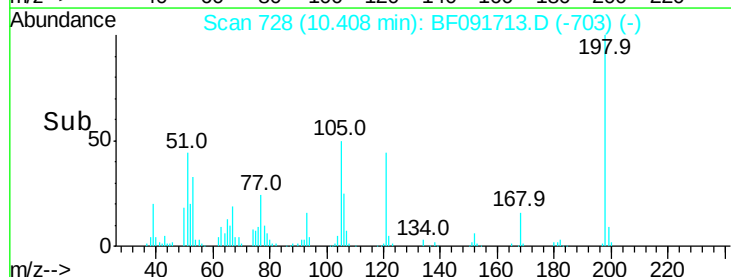
105 49.7 16.6 56.6

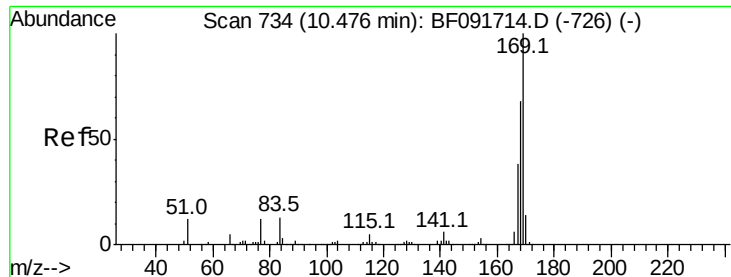


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 26.74 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

Tot Ion:169 Resp: 874108

Ion Ratio Lower Upper

169 100

168 67.1 54.2 81.2

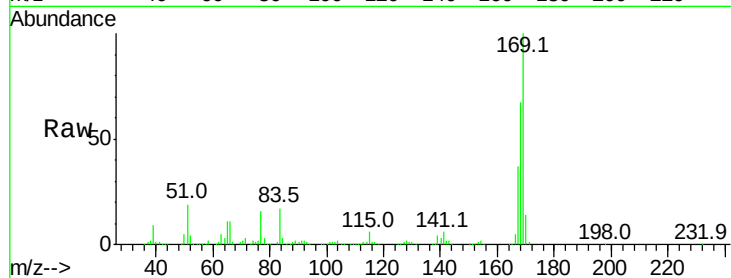
167 37.3 30.2 45.4

Manual Integrations

APPROVED

umangi

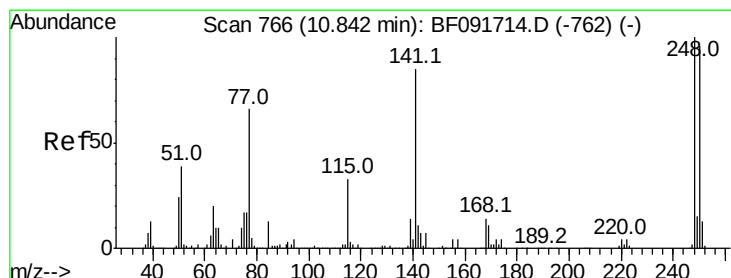
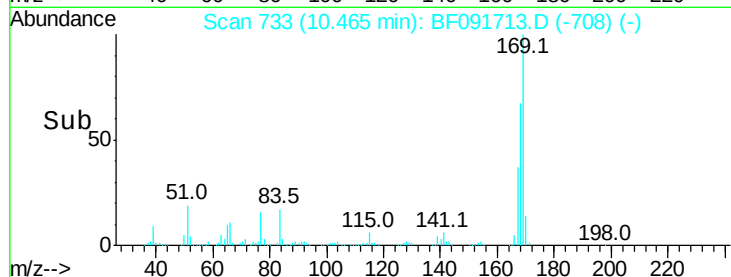
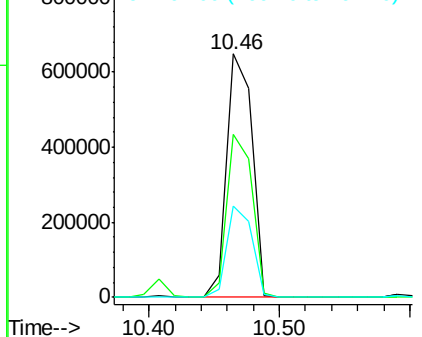
12/20/2016 11:40:02 AM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 28.69 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

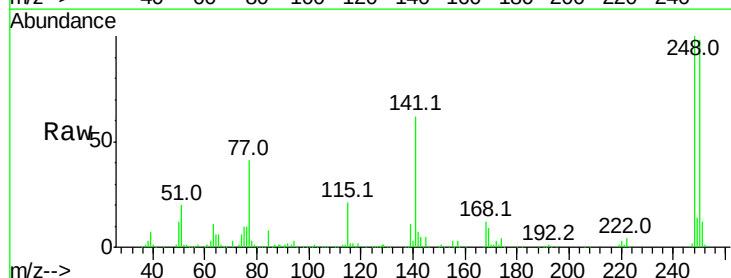
Tgt Ion:248 Resp: 316954

Ion Ratio Lower Upper

248 100

250 97.9 76.9 115.3

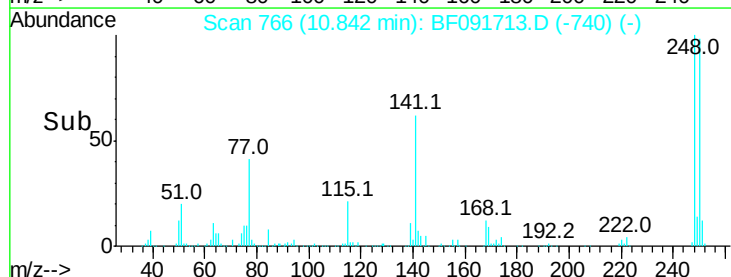
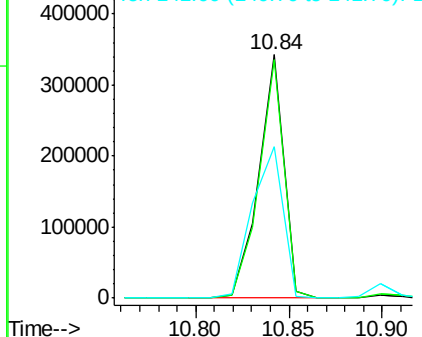
141 62.4 68.2 102.4#

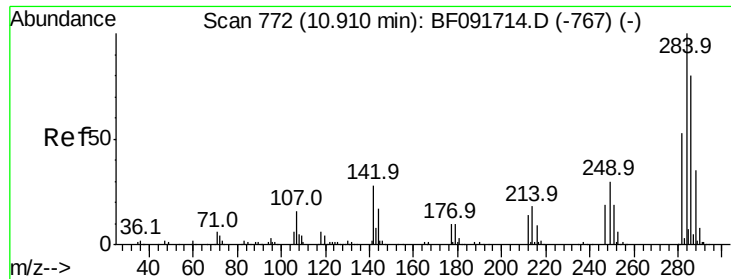


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 26.25 ng

RT: 10.90 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

Tot Ion:284 Resp: 308065

Ion Ratio Lower Upper

284 100

142 53.4 22.6 33.8#

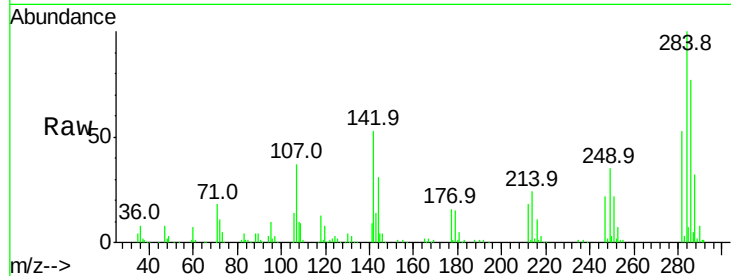
249 35.3 25.4 38.0

Manual Integrations

APPROVED

umangi

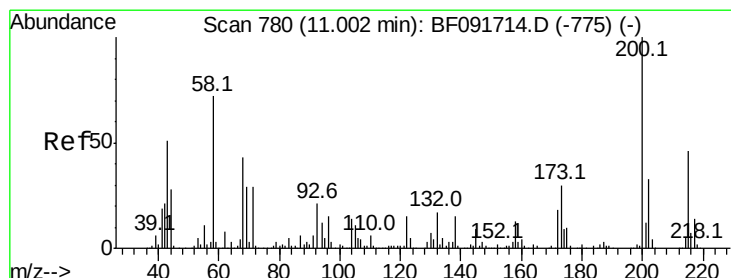
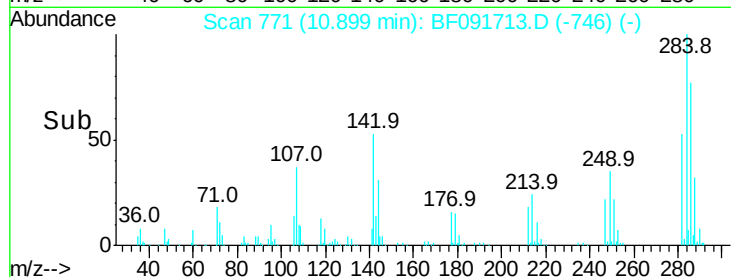
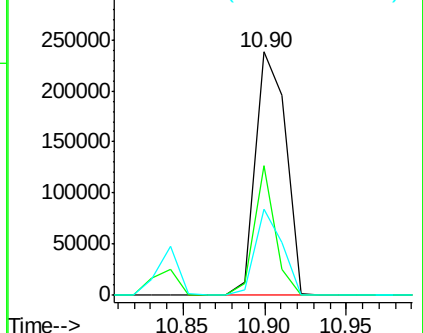
12/20/2016 11:40:02 AM



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 30.05 ng

RT: 11.00 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

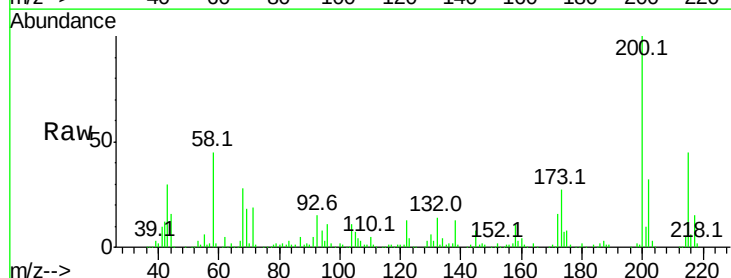
Tgt Ion:200 Resp: 309425

Ion Ratio Lower Upper

200 100

173 26.6 9.6 49.6

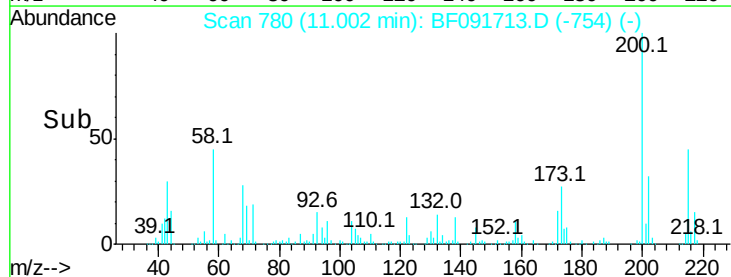
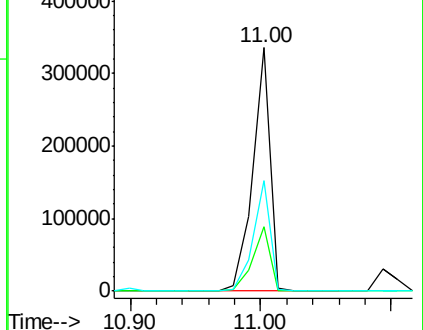
215 45.3 25.7 65.7

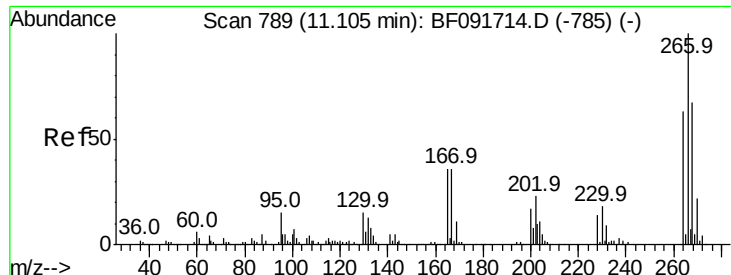


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





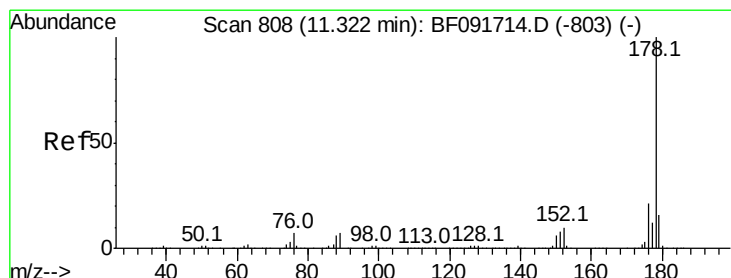
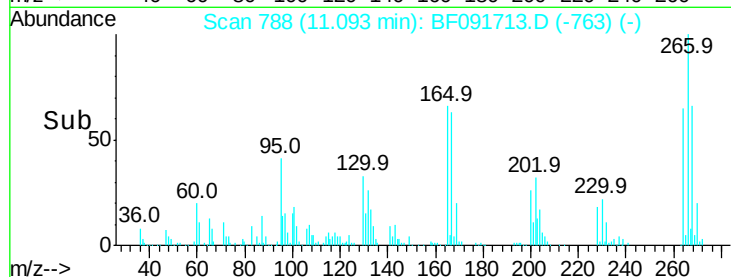
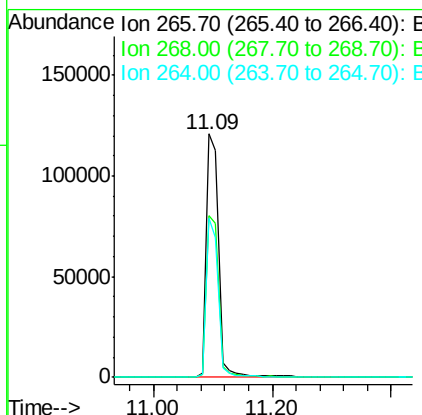
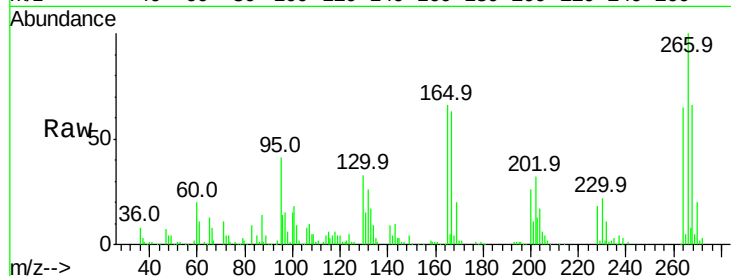
#69
 Pentachlorophenol
 Concen: 26.65 ng
 RT: 11.09 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Resp	Lower	Upper
266	100	176290		
268	66.4	53.3	79.9	
264	65.5	50.3	75.5	

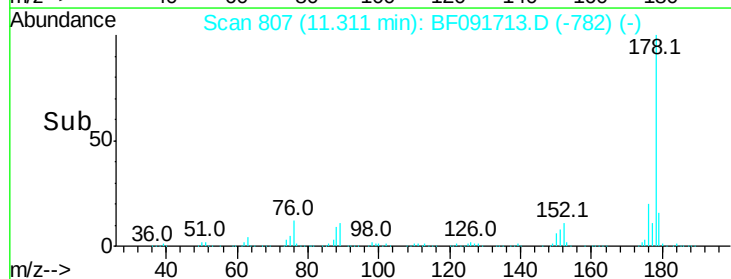
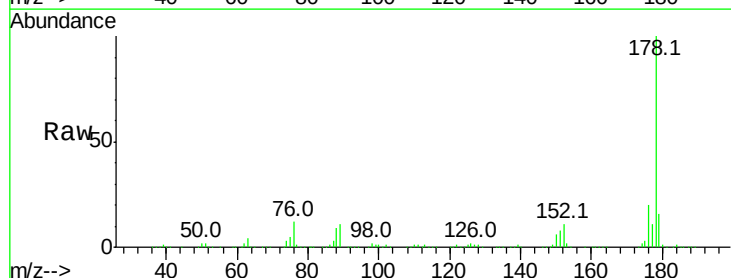
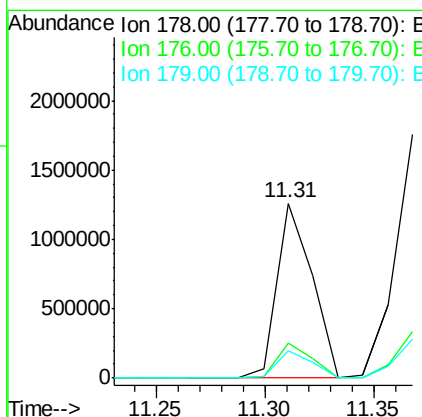
Manual Integrations
 APPROVED

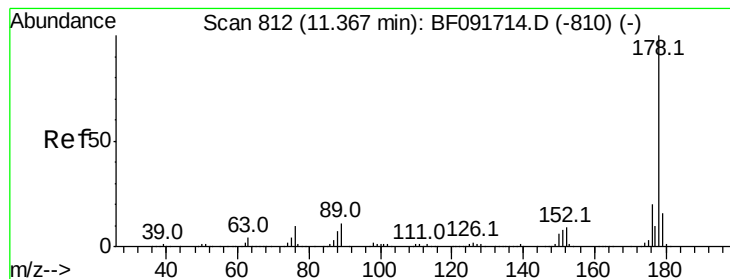
umangi
 12/20/2016 11:40:02 AM



#70
 Phenanthrene
 Concen: 26.11 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1429677		
176	19.9	16.6	25.0	
179	15.7	12.8	19.2	





#71

Anthracene

Concen: 28.46 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC025

Tot Ion:178 Resp: 1613361

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

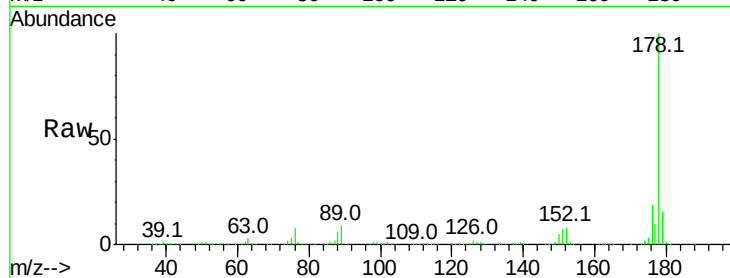
179 15.8 13.2 19.8

Manual Integrations

APPROVED

umangi

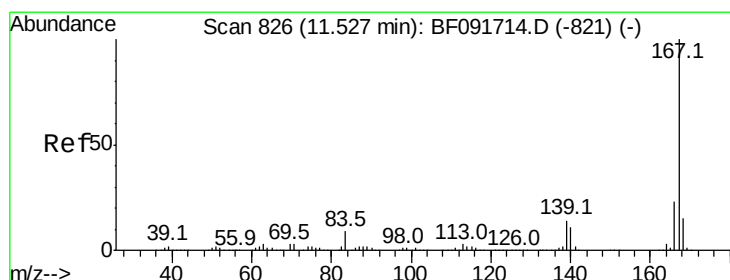
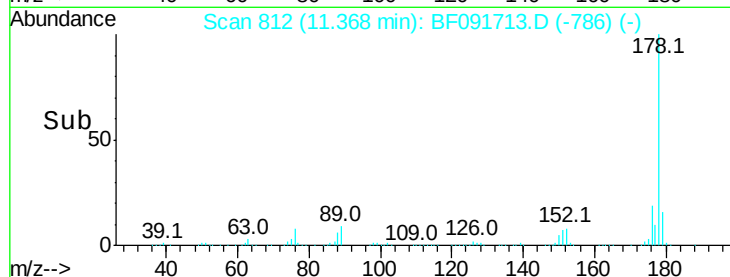
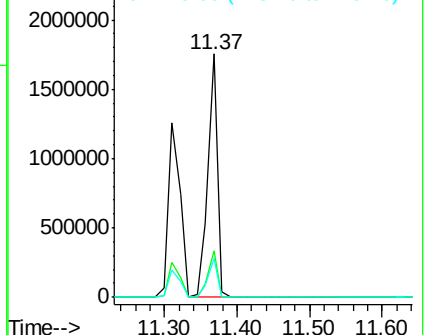
12/20/2016 11:40:02 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 27.79 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

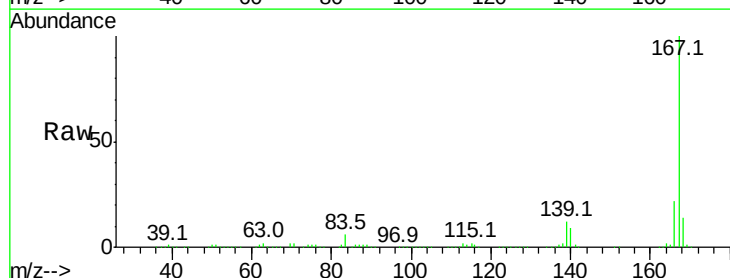
Tgt Ion:167 Resp: 1425180

Ion Ratio Lower Upper

167 100

166 22.0 18.2 27.2

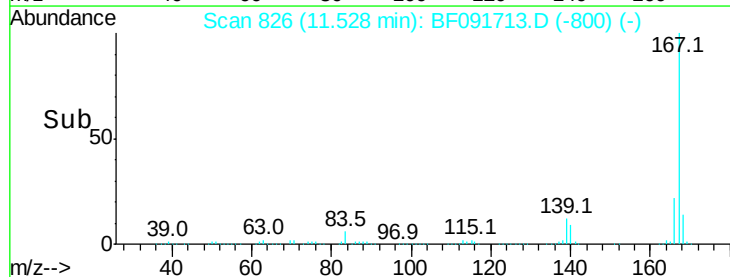
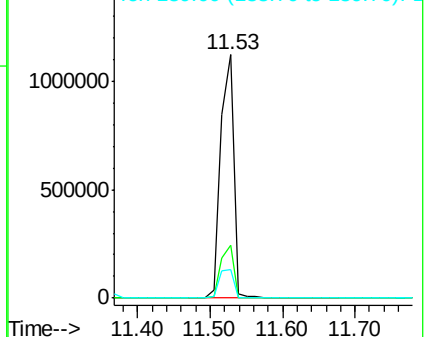
139 11.8 11.4 17.2

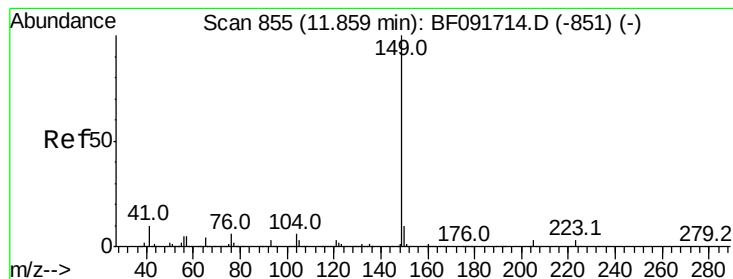


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 29.27 ng

RT: 11.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC025

Tot Ion:149 Resp: 1723152

Ion Ratio Lower Upper

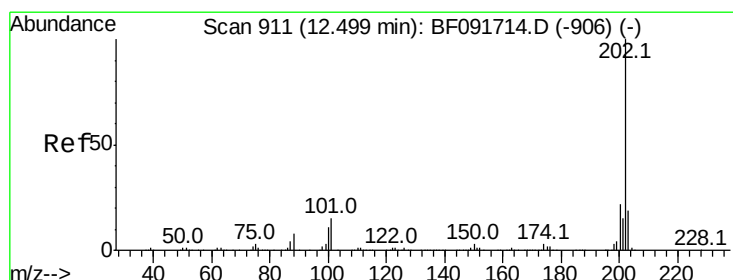
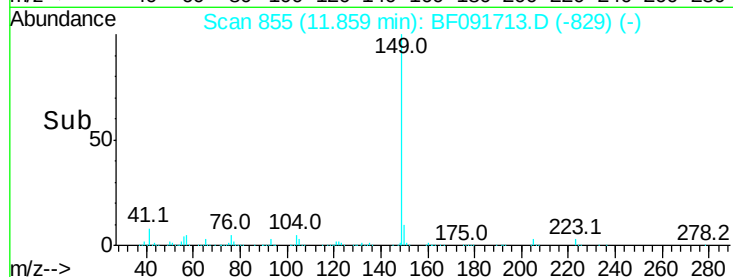
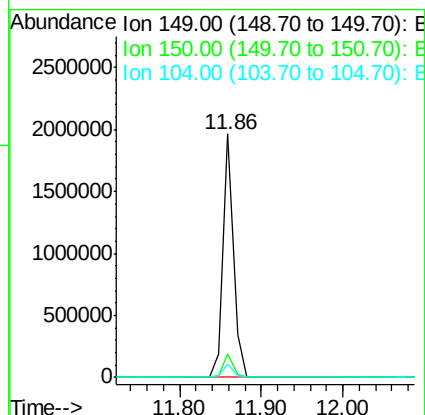
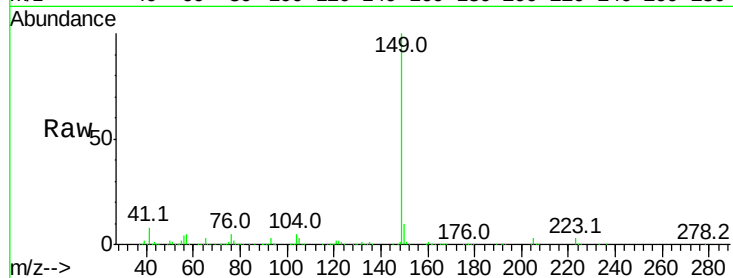
149 100

150 9.8 8.1 12.1

104 5.4 4.6 7.0

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



#74

Fluoranthene

Concen: 27.88 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

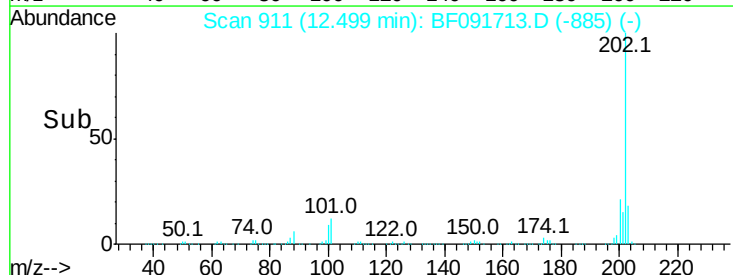
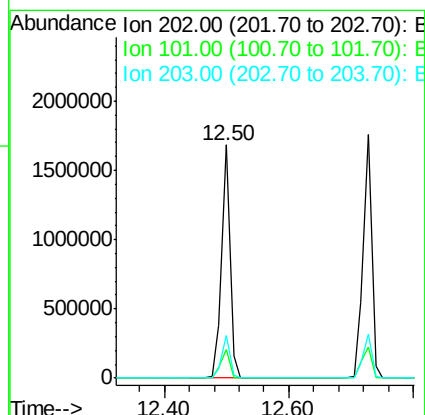
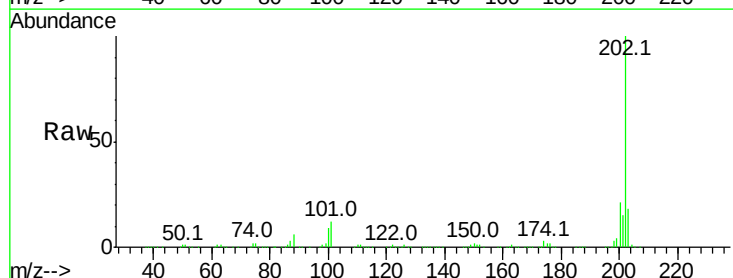
Tgt Ion:202 Resp: 1545942

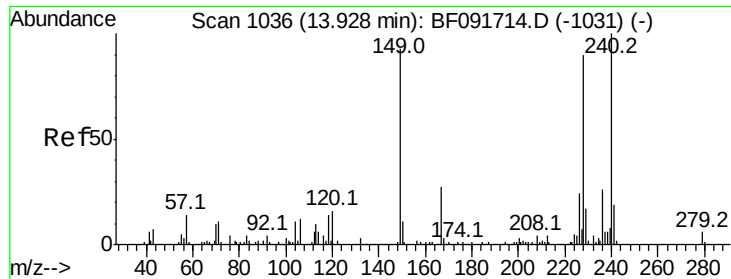
Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.6

203 18.3 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Instrument :

BNA_F

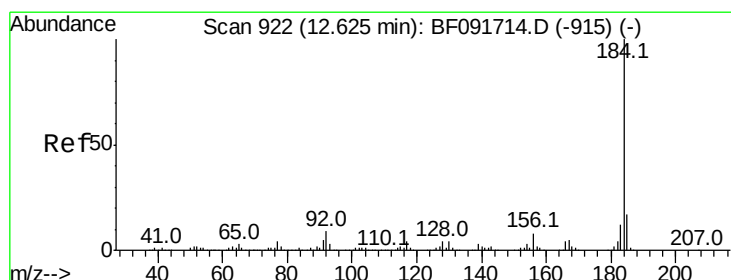
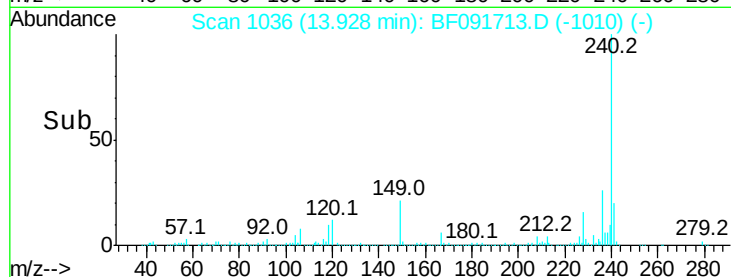
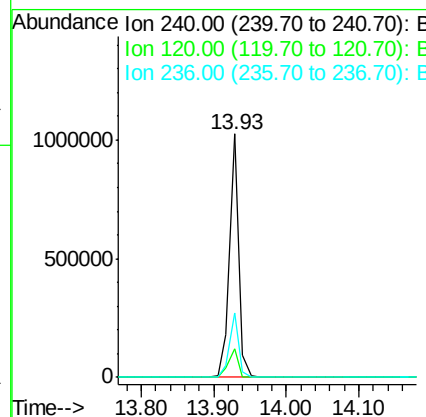
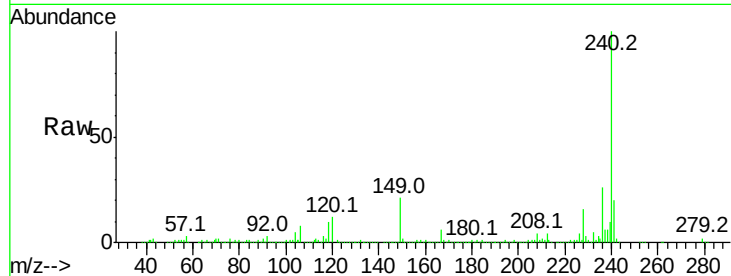
ClientSampleId :

SSTDICC025

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	12.9	19.3#
236	26.5	20.9	31.3

Manual Integrations
APPROVED

umangi
12/20/2016 11:40:02 AM



#76

Benzidine

Concen: 25.88 ng

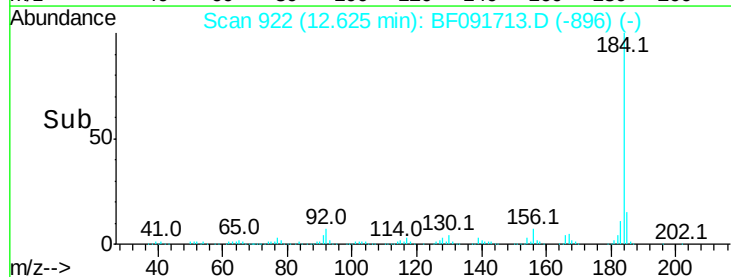
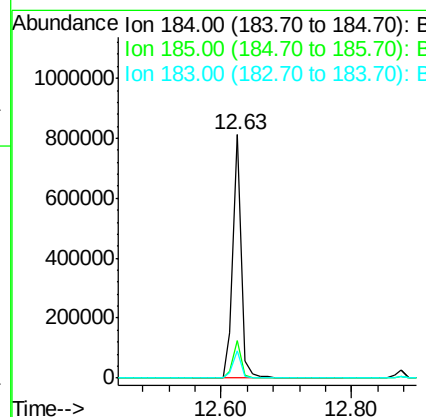
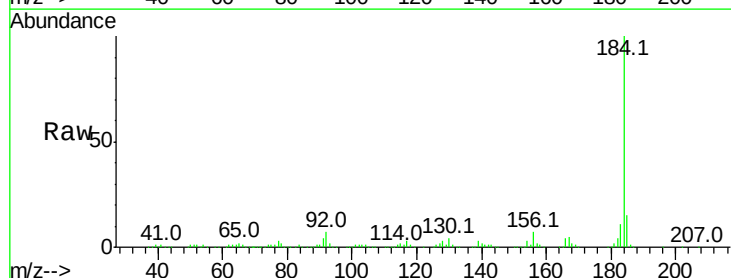
RT: 12.63 min Scan# 922

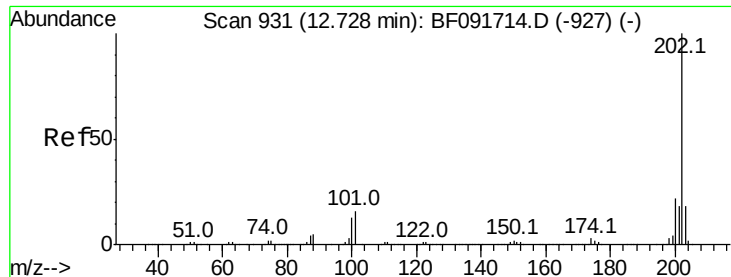
Delta R.T. 0.00 min

Lab File: BF091713.D

Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.3	13.4	20.0
183	11.0	9.2	13.8





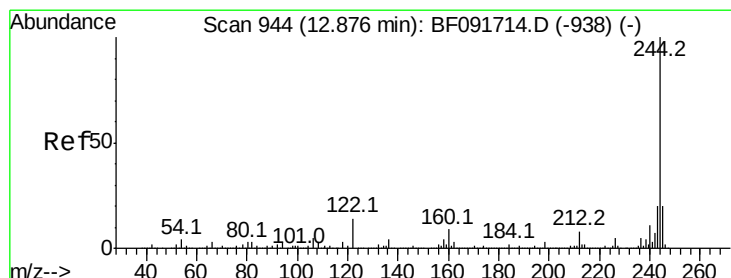
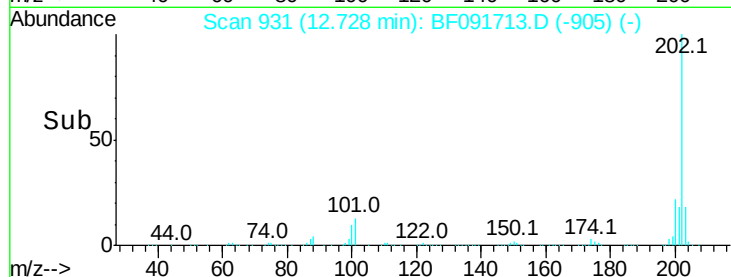
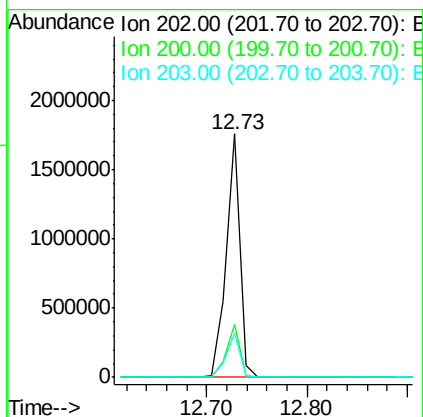
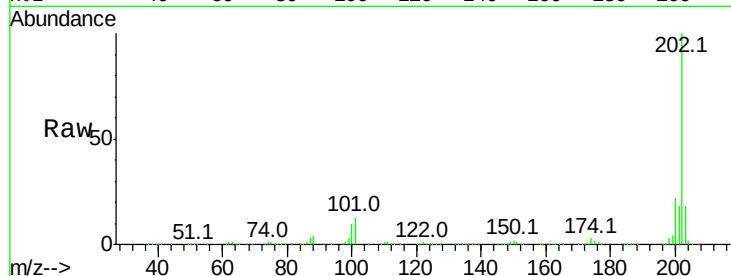
#77
Pvrene
Concen: 23.26 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC025

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	18.1	14.7	22.1

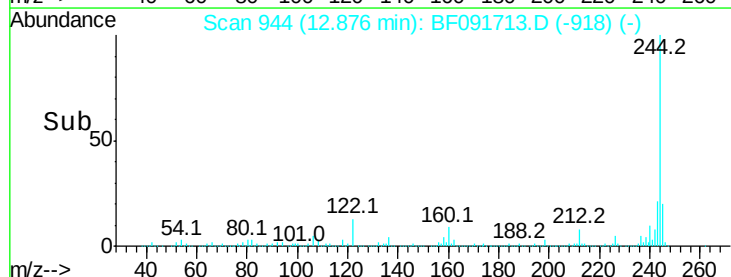
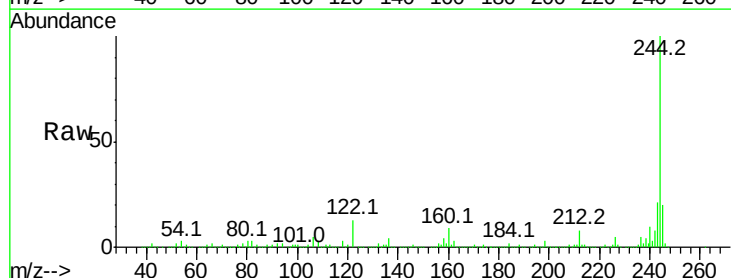
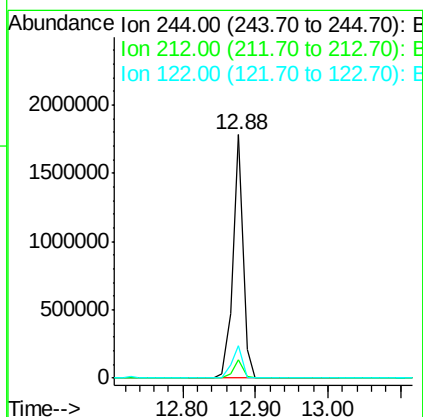
Manual Integrations
APPROVED

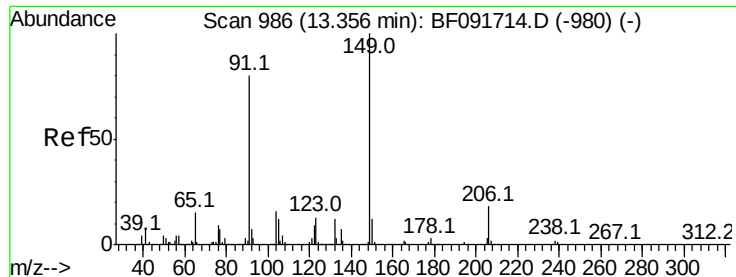
umangi
12/20/2016 11:40:02 AM



#78
Terphenyl-d14
Concen: 43.25 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	13.4	11.4	17.2





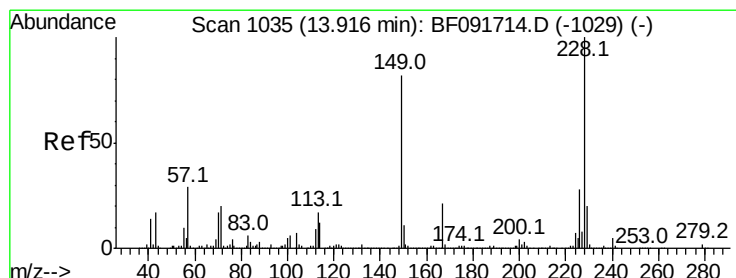
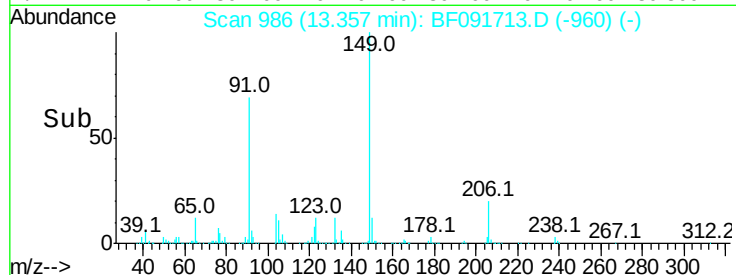
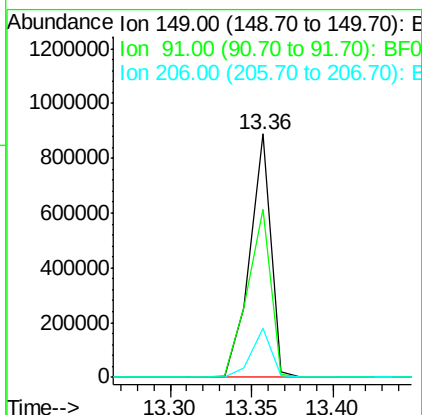
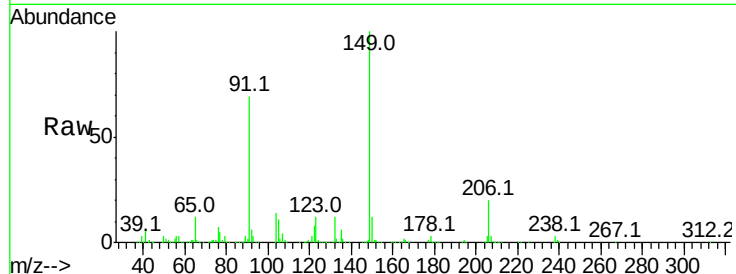
#79
Butylbenzylphthalate
Concen: 27.95 ng
RT: 13.36 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion	Ratio	Resp	Lower	Upper
149	100	802851		
91	69.2		63.9	95.9
206	20.0		14.6	21.8

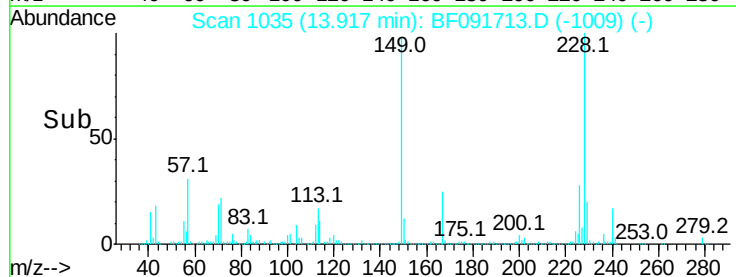
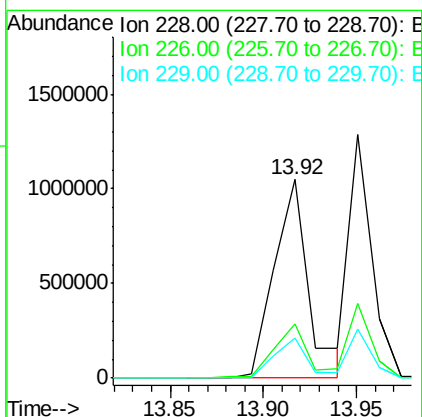
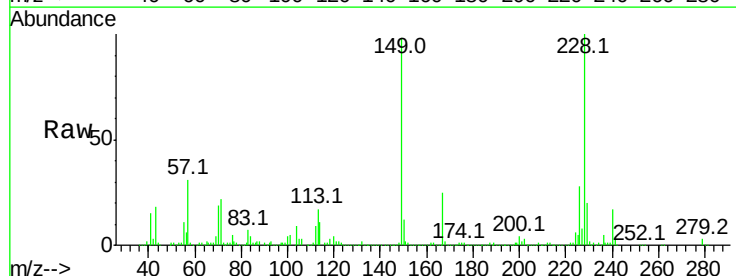
Manual Integrations
APPROVED

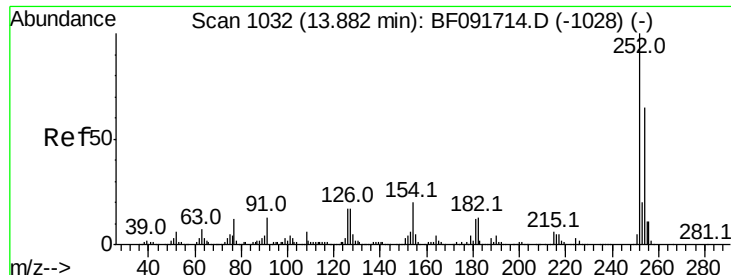
umangi
12/20/2016 11:40:02 AM



#80
Benzo(a)anthracene
Concen: 25.21 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1344421		
226	27.6		22.4	33.6
229	20.3		16.2	24.4





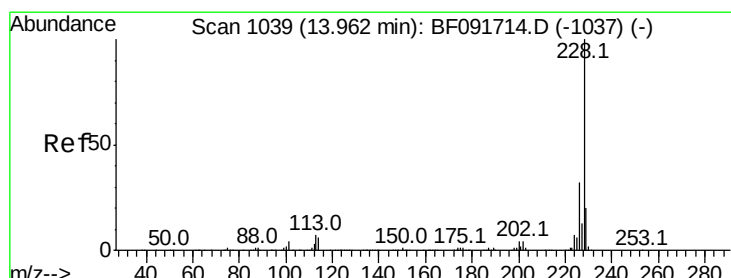
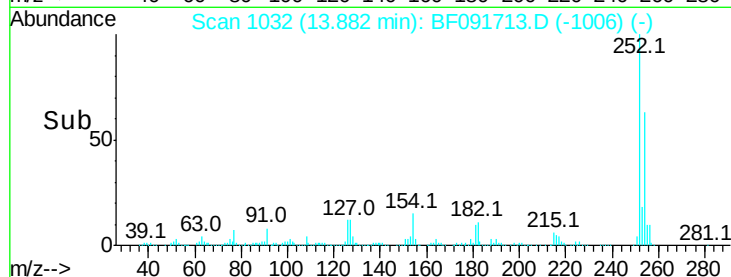
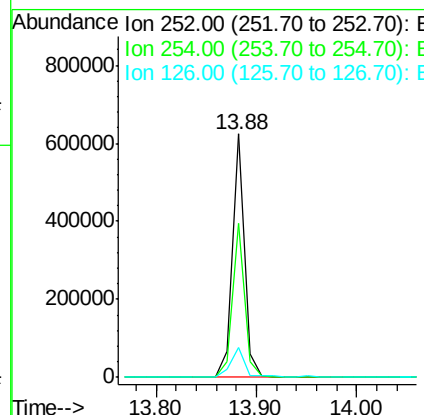
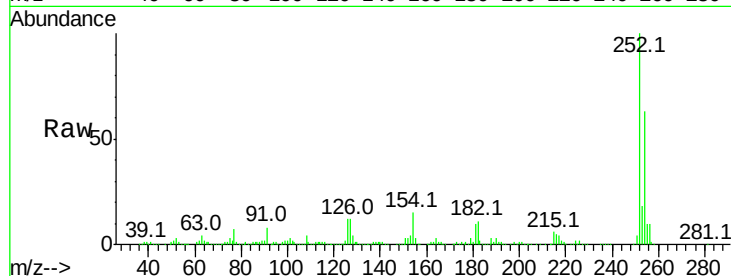
#81
 3,3'-Dichlorobenzidine
 Concen: 26.89 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.3	52.3	78.5
126	12.5	13.6	20.4

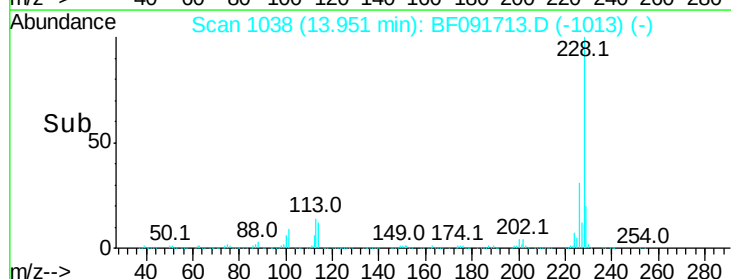
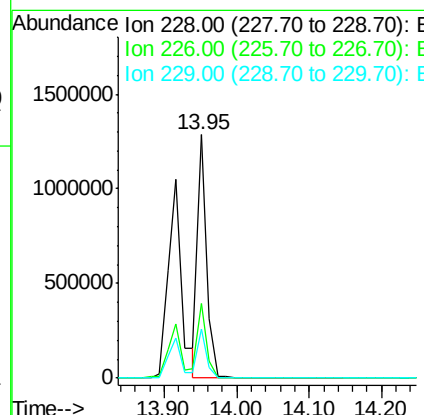
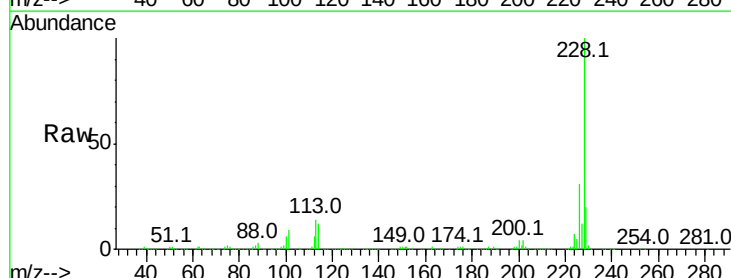
Manual Integrations
 APPROVED

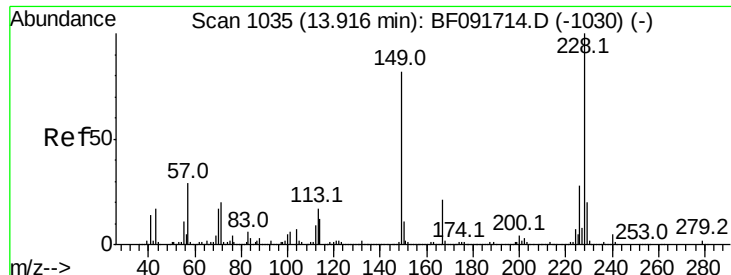
umangi
 12/20/2016 11:40:02 AM



#82
 Chrysene
 Concen: 20.07 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	19.9	16.2	24.2





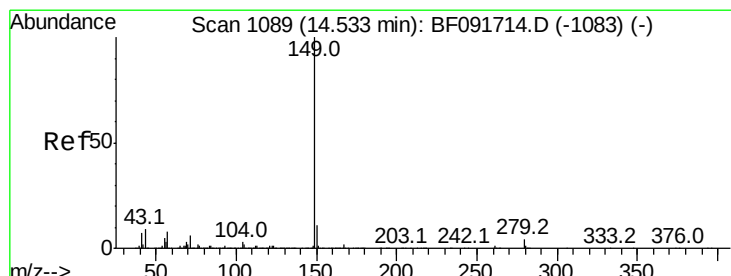
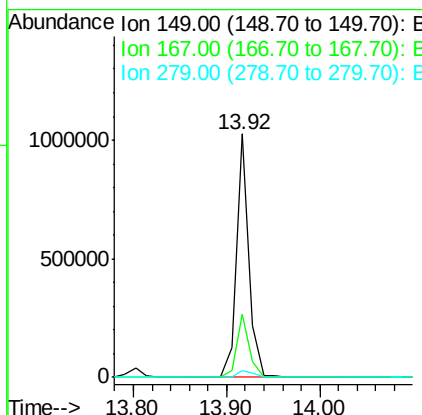
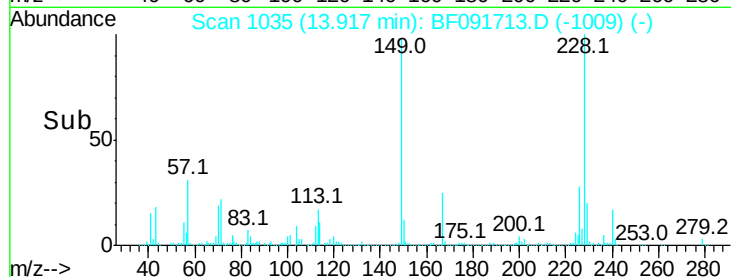
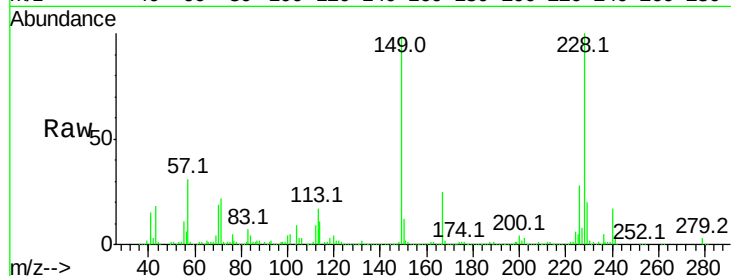
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 25.98 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion:	149	Resp:	948637
Ion Ratio		Lower	Upper
149	100		
167	26.0	20.2	30.4
279	2.6	1.8	2.8

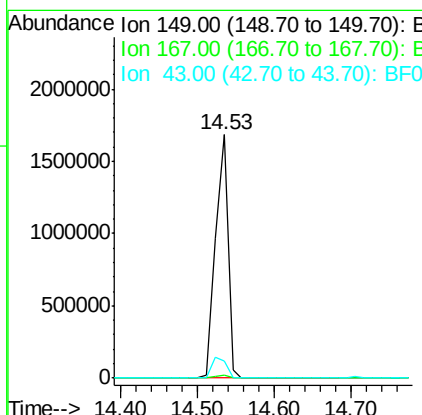
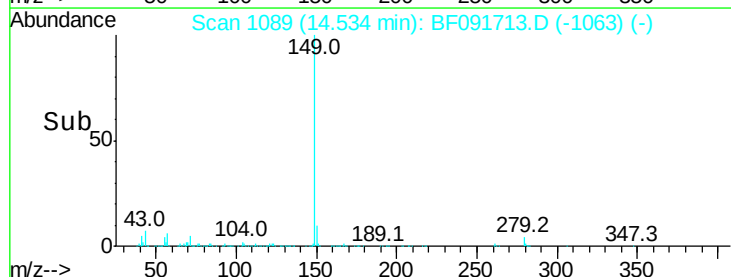
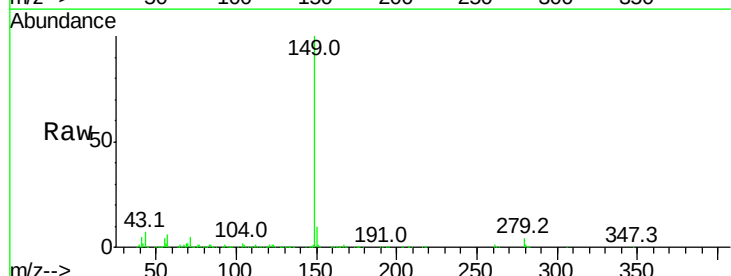
Manual Integrations
 APPROVED

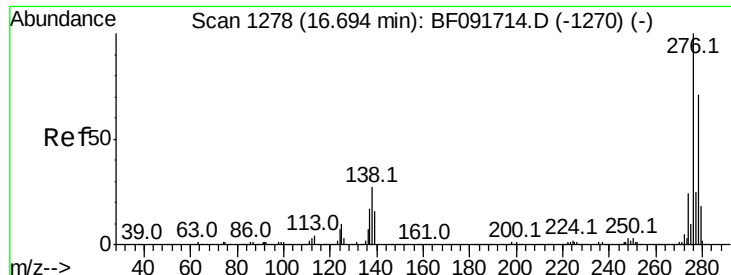
umangi
 12/20/2016 11:40:02 AM



#84
 Di-n-octyl phthalate
 Concen: 29.68 ng
 RT: 14.53 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Tgt Ion:	149	Resp:	1879974
Ion Ratio		Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.0	8.9	13.3





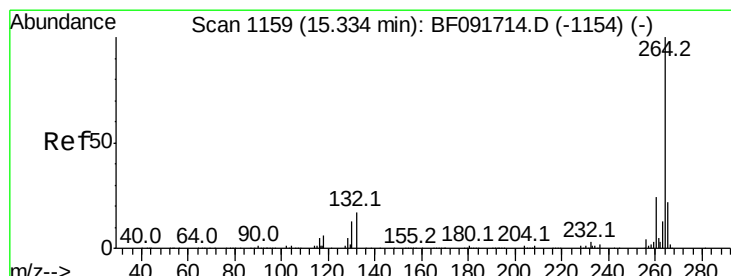
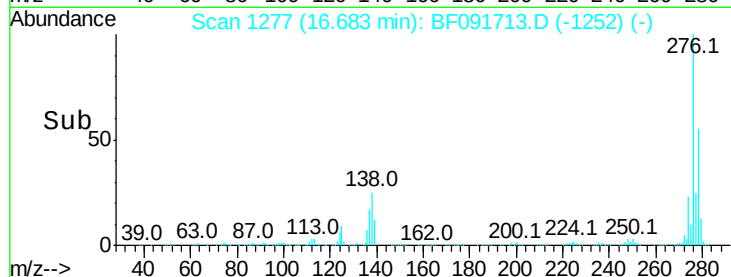
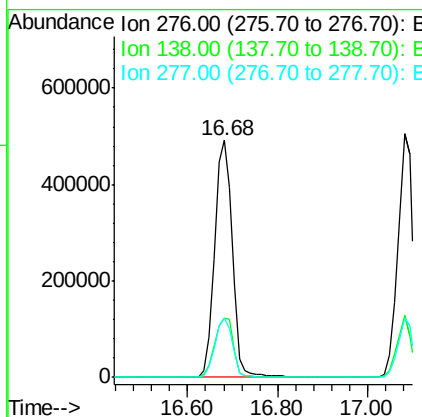
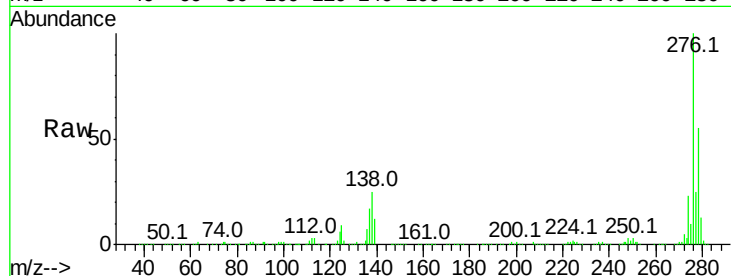
#85
Indeno(1,2,3-cd)pyrene
Concen: 26.42 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC025

Tot Ion:276 Resp: 1350209
Ion Ratio Lower Upper
276 100
138 26.8 21.8 32.6
277 24.9 20.2 30.4

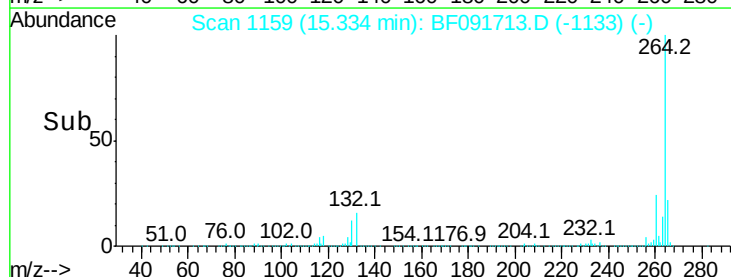
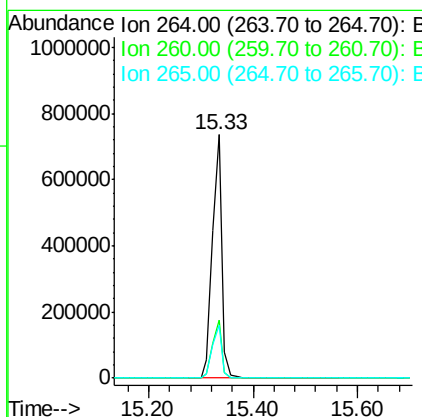
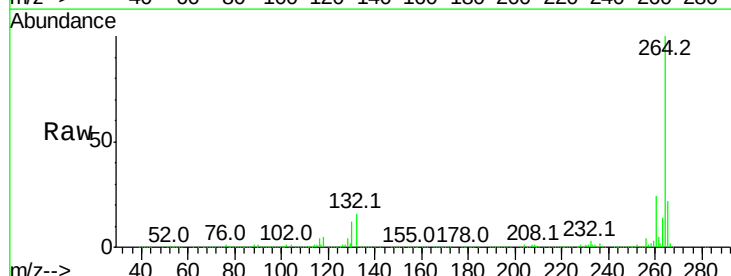
Manual Integrations
APPROVED

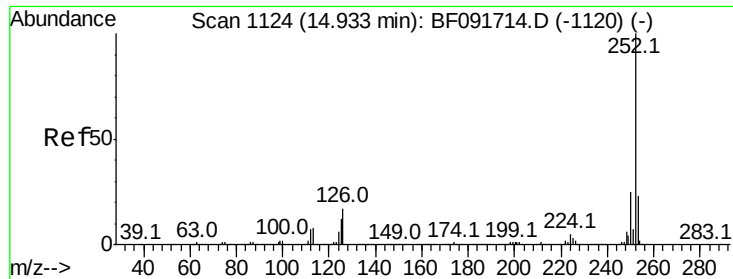
umangi
12/20/2016 11:40:02 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion:264 Resp: 925553
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.6 17.4 26.0





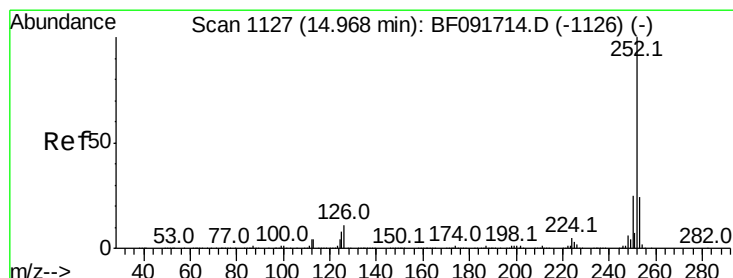
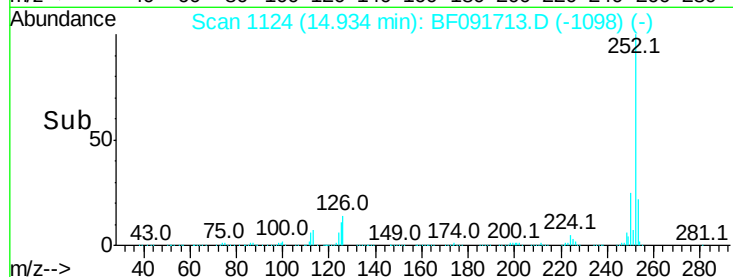
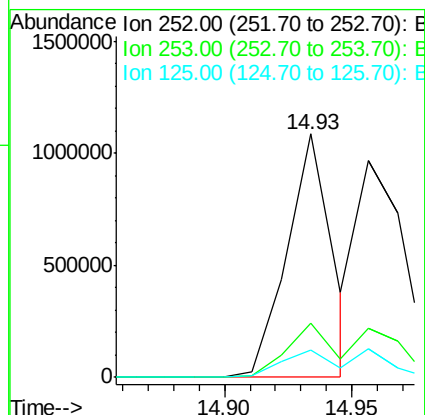
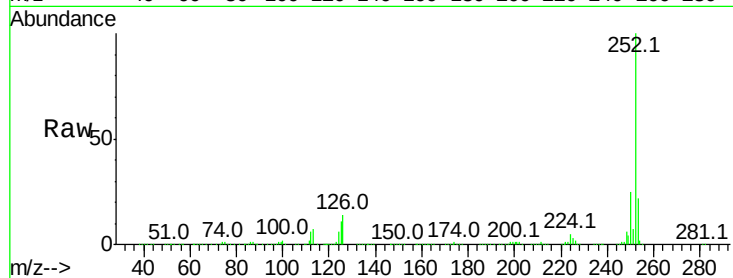
#87
Benzo(b)fluoranthene
Concen: 23.33 ng m
RT: 14.93 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC025

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	11.0	9.8	14.6

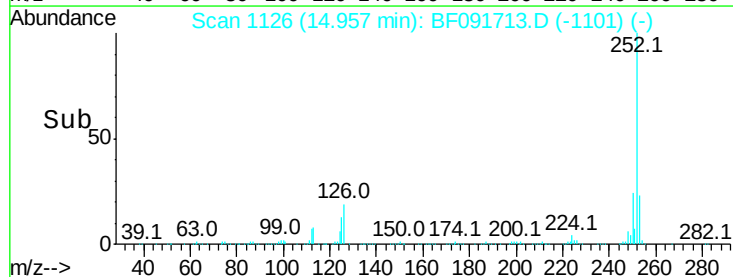
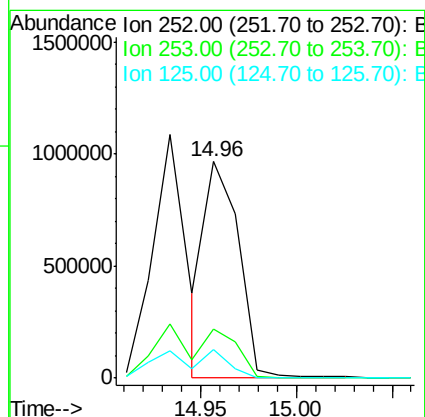
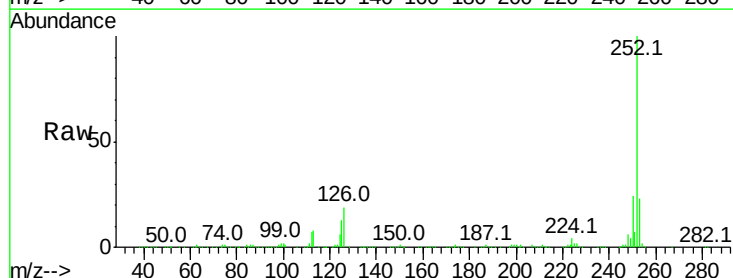
Manual Integrations
APPROVED

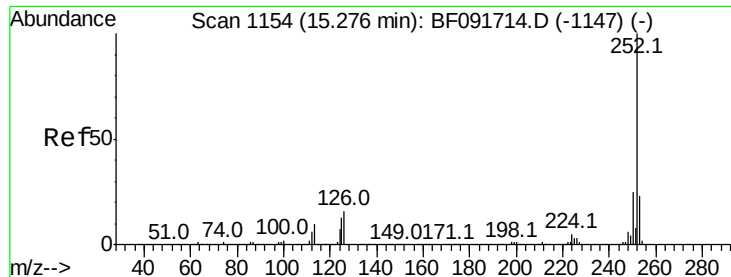
umangi
12/20/2016 11:40:02 AM



#88
Benzo(k)fluoranthene
Concen: 25.43 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	13.5	8.9	13.3#





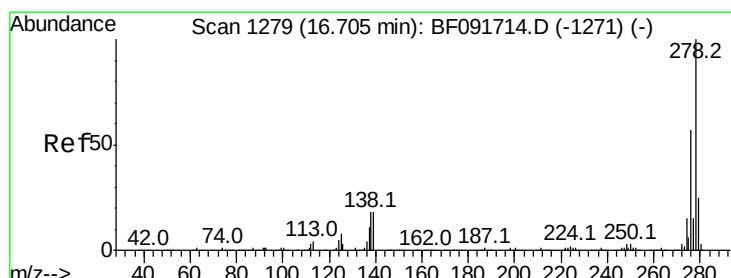
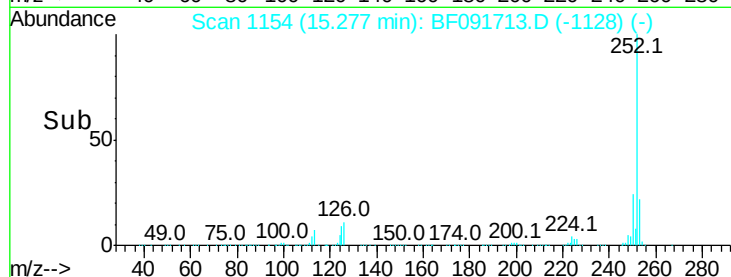
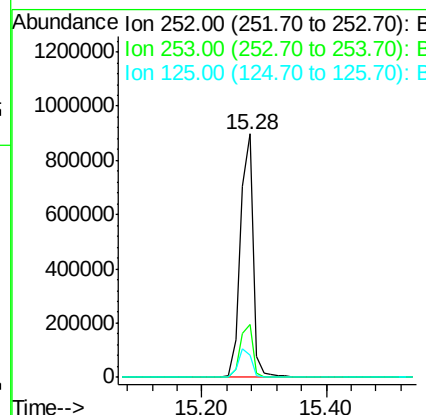
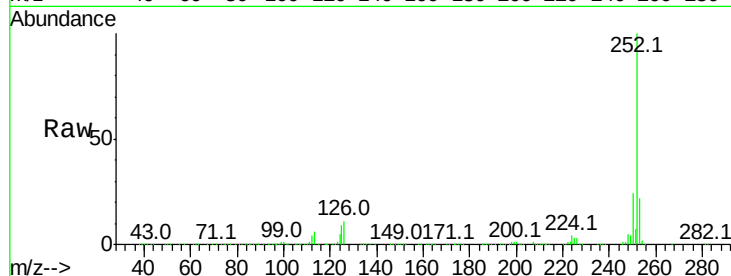
#89
Benzo(a)pyrene
Concen: 25.57 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDIC025

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	8.9	10.0	15.0

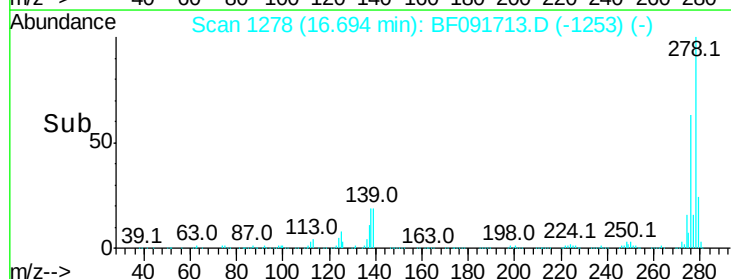
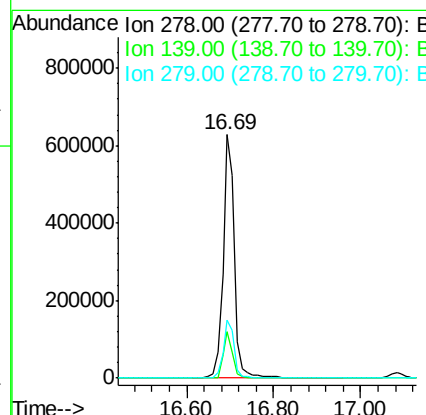
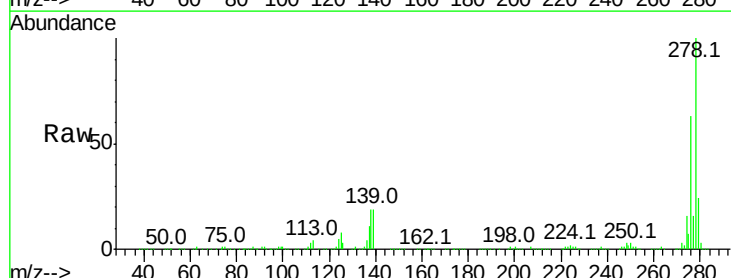
Manual Integrations
APPROVED

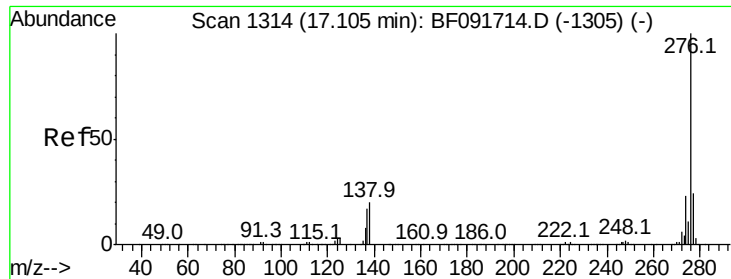
umangi
12/20/2016 11:40:02 AM



#90
Dibenzo(a,h)anthracene
Concen: 25.68 ng
RT: 16.69 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF091713.D
Acq: 17 Dec 2016 14:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	14.8	22.2
279	23.8	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 24.95 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF091713.D
 Acq: 17 Dec 2016 14:20

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC025

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	25.2	16.0	24.0

Manual Integrations
 APPROVED

umangi
 12/20/2016 11:40:02 AM

