

Data File : BF111495.D
Acq On : 16 Dec 2018 5:08
Operator : JU/SJ
Sample : J6199-06MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Quant Time: Dec 17 00:59:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	141550	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	521577	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	198493	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	305683	20.00	ng	0.00
76) Chrysene-d12	13.95	240	266446	20.00	ng	0.00
87) Perylene-d12	15.39	264	178375	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1031969	121.32	ng	0.02
7) Phenol-d6	6.44	99	1150791	101.71	ng	0.00
23) Nitrobenzene-d5	7.36	82	872919	99.66	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	225022	126.55	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1478115	115.02	ng	0.00
79) Terphenyl-d14	12.90	244	1199950	105.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	130071	31.660	ng	# 82
3) Pyridine	3.36	79	301927	29.261	ng	93
4) n-Nitrosodimethylamine	3.27	42	200972	42.880	ng	82
6) Aniline	6.46	93	119496	8.514	ng	# 1
8) 2-Chlorophenol	6.59	128	394921	38.856	ng	96
9) Benzaldehyde	6.34	77	116095	16.916	ng	98
10) Phenol	6.45	94	378075	29.995	ng	95
11) bis(2-Chloroethyl)ether	6.53	93	375678	38.021	ng	98
12) 1,3-Dichlorobenzene	6.74	146	424362	37.930	ng	98
13) 1,4-Dichlorobenzene	6.82	146	429082	37.784	ng	97
14) 1,2-Dichlorobenzene	6.97	146	406187	38.020	ng	98
15) Benzyl Alcohol	6.94	79	320505	37.227	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	745497	38.642	ng	99
17) 2-Methylphenol	7.06	107	296052	36.194	ng	96
18) Hexachloroethane	7.31	117	140263	33.189	ng	92
19) n-Nitroso-di-n-propylamine	7.21	70	275361	36.887	ng	94
20) 3+4-Methylphenols	7.21	107	369372	36.000	ng	# 79
22) Acetophenone	7.20	105	554398	47.615	ng	# 90
24) Nitrobenzene	7.37	77	393004	43.985	ng	98
25) Isophorone	7.62	82	707218	47.720	ng	100
26) 2-Nitrophenol	7.69	139	170264	36.745	ng	98
27) 2,4-Dimethylphenol	7.73	122	326021	48.533	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	469270	45.867	ng	99
29) 2,4-Dichlorophenol	7.94	162	303012	42.255	ng	97
30) 1,2,4-Trichlorobenzene	8.02	180	313184	41.720	ng	97
31) Naphthalene	8.10	128	1119970	45.909	ng	97
32) Benzoic acid	7.83	122	110791	19.086	ng	93
33) 4-Chloroaniline	8.15	127	67607	6.232	ng	96
34) Hexachlorobutadiene	8.22	225	172039	41.597	ng	98
35) Caprolactam	8.50	113	60207	22.614	ng	99
36) 4-Chloro-3-methylphenol	8.64	107	292373	37.041	ng	94
37) 2-Methylnaphthalene	8.79	142	705724	42.751	ng	99
38) 1-Methylnaphthalene	8.89	142	657522	41.230	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	269726	49.550	ng	97

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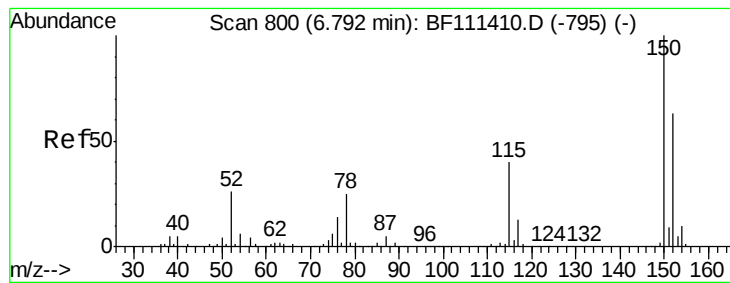
Quant Time: Dec 17 00:59:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	46913	16.786	ng	96
43) 2,4,6-Trichlorophenol	9.07	196	175727	45.612	ng	97
44) 2,4,5-Trichlorophenol	9.12	196	182362	44.482	ng	96
46) 1,1'-Biphenyl	9.25	154	789223	46.925	ng	94
47) 2-Chloronaphthalene	9.28	162	601753	47.070	ng	93
48) 2-Nitroaniline	9.37	65	187511	45.174	ng	98
49) Acenaphthylene	9.69	152	903457	47.610	ng	95
50) Dimethylphthalate	9.55	163	709804	49.654	ng	97
51) 2,6-Dinitrotoluene	9.61	165	133701	41.552	ng #	89
52) Acenaphthene	9.86	154	517925	43.183	ng	98
53) 3-Nitroaniline	9.78	138	87248	22.324	ng	90
54) 2,4-Dinitrophenol	9.89	184	3727	3.045	ng #	79
55) Dibenzofuran	10.03	168	767293	44.073	ng	97
56) 4-Nitrophenol	9.95	139	172647	63.832	ng	99
57) 2,4-Dinitrotoluene	10.02	165	162333	38.438	ng	95
58) Fluorene	10.38	166	577285	45.716	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	131334	41.001	ng	99
60) Diethylphthalate	10.25	149	658595	45.483	ng	97
61) 4-Chlorophenyl-phenylether	10.37	204	265293	42.941	ng	96
62) 4-Nitroaniline	10.39	138	145729	37.666	ng	94
63) Azobenzene	10.53	77	578583	40.530	ng	95
65) 4,6-Dinitro-2-methylphenol	10.42	198	6025	3.491	ng	97
66) n-Nitrosodiphenylamine	10.49	169	508430	48.232	ng	96
67) 4-Bromophenyl-phenylether	10.86	248	150186	45.585	ng	96
68) Hexachlorobenzene	10.93	284	144933	42.765	ng #	90
69) Atrazine	11.02	200	147023	48.261	ng	97
70) Pentachlorophenol	11.12	266	107333	51.636	ng	94
71) Phenanthrene	11.34	178	763918	48.499	ng	93
72) Anthracene	11.39	178	802545	49.821	ng	94
73) Carbazole	11.54	167	747567	44.878	ng	95
74) Di-n-butylphthalate	11.88	149	933191	50.302	ng #	95
75) Fluoranthene	12.53	202	822438	53.372	ng	96
77) Benzidine	12.64	184	362891	37.050	ng	97
78) Pyrene	12.76	202	854921	45.510	ng	95
80) Butylbenzylphthalate	13.37	149	416822	45.522	ng	91
81) Benzo(a)anthracene	13.94	228	692731	47.815	ng	97
82) 3,3'-Dichlorobenzidine	13.90	252	144368	24.512	ng	97
83) Chrysene	13.98	228	700227	45.880	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	584718	49.996	ng	98
85) Di-n-octyl phthalate	14.54	149	1045241	52.985	ng	98
86) Indeno(1,2,3-cd)pyrene	16.81	276	442855	40.205	ng	94
88) Benzo(b)fluoranthene	14.97	252	545367	52.442	ng	97
89) Benzo(k)fluoranthene	15.00	252	475177	47.819	ng	97
90) Benzo(a)pyrene	15.33	252	460002	49.052	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	375821	50.803	ng #	93
92) Benzo(g,h,i)perylene	17.23	276	370898	51.078	ng #	93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

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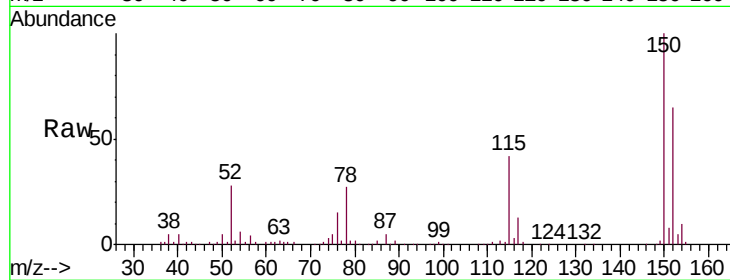
Tgt Ion:152 Resp: 141550

Ion Ratio Lower Upper

152 100

150 153.6 126.6 189.8

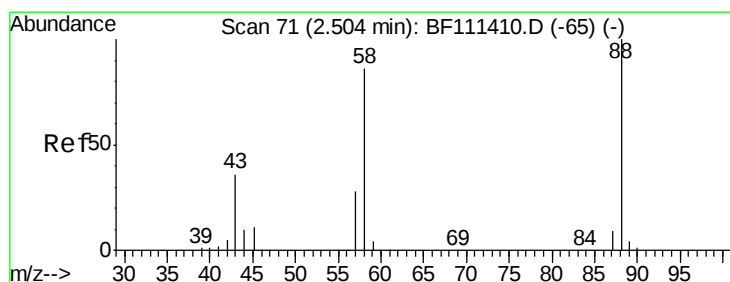
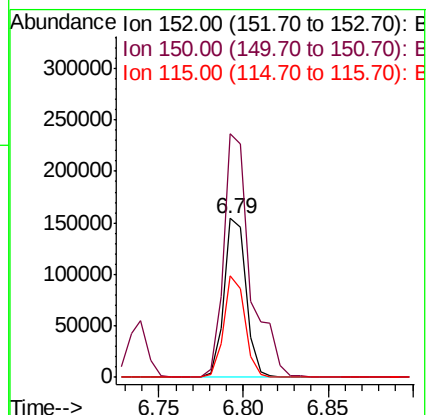
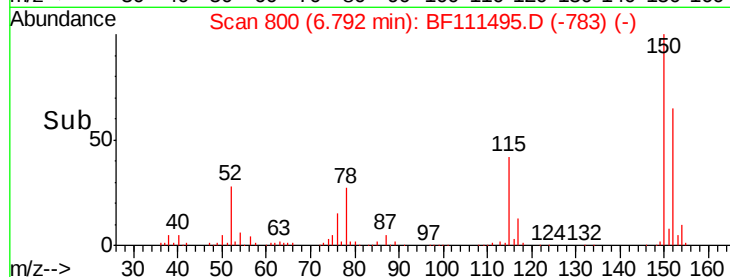
115 64.0 50.7 76.1



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: 31.660 ng

RT: 2.66 min Scan# 97

Delta R.T. 0.15 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

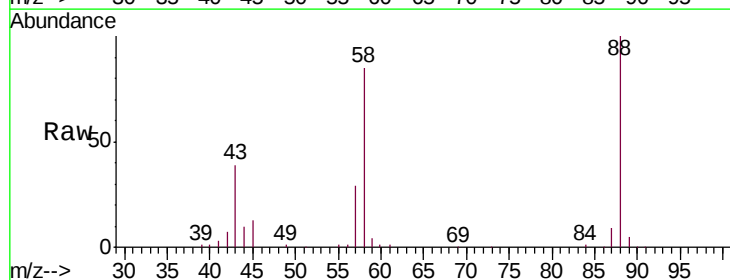
Tgt Ion: 88 Resp: 130071

Ion Ratio Lower Upper

88 100

58 89.0 68.9 103.3

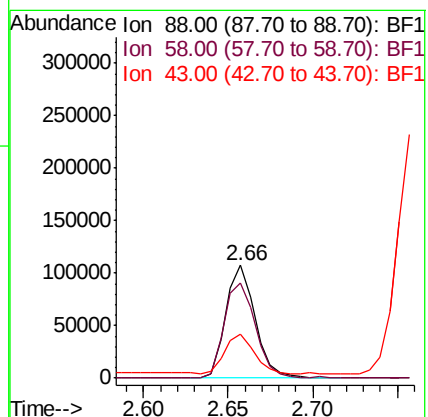
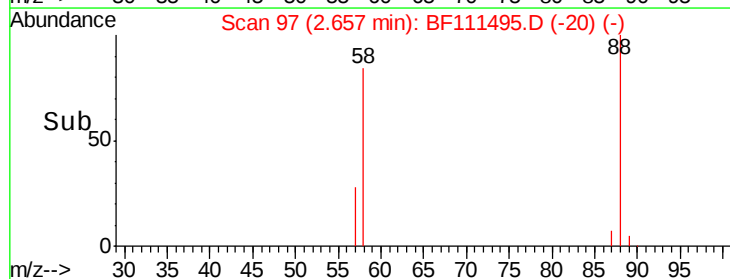
43 0.0 25.8 38.6#

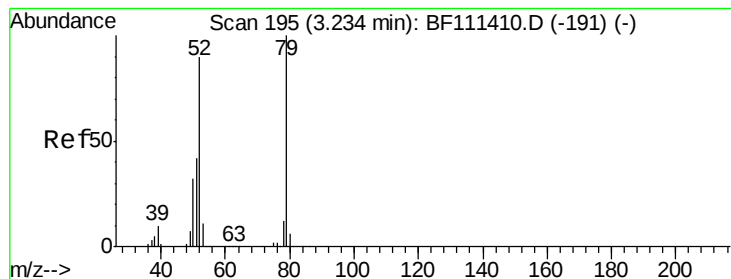


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 29.261 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.13 min

Lab File: BF111495.D

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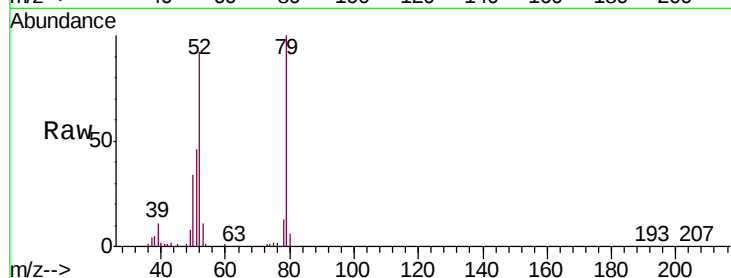
Tgt Ion: 79 Resp: 301927

Ion Ratio Lower Upper

79 100

52 91.6 68.3 102.5

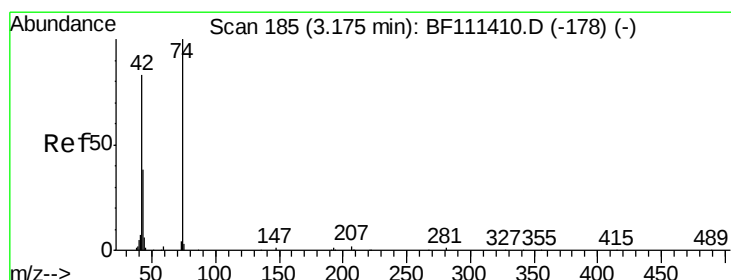
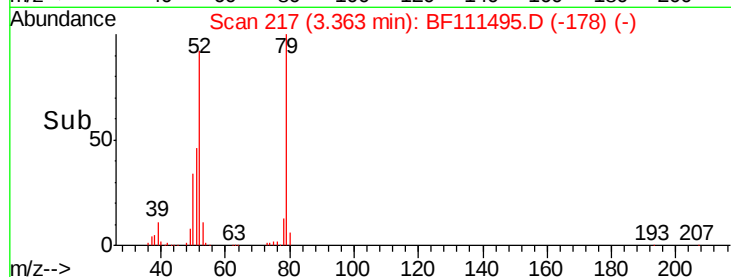
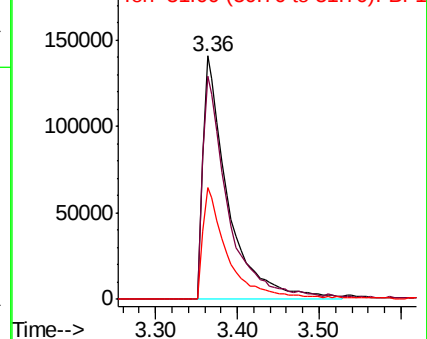
51 46.2 32.6 49.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 42.880 ng

RT: 3.27 min Scan# 202

Delta R.T. 0.10 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

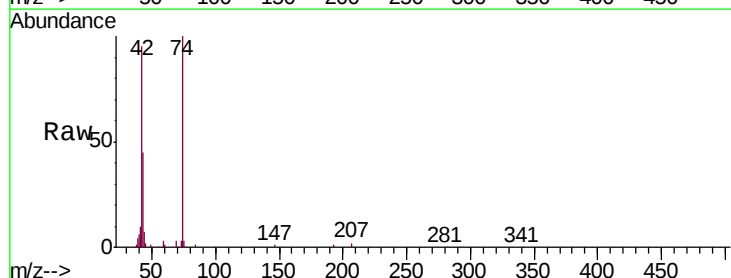
Tgt Ion: 42 Resp: 200972

Ion Ratio Lower Upper

42 100

74 105.5 101.5 152.3

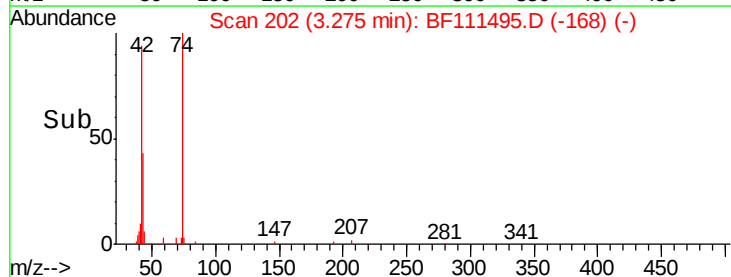
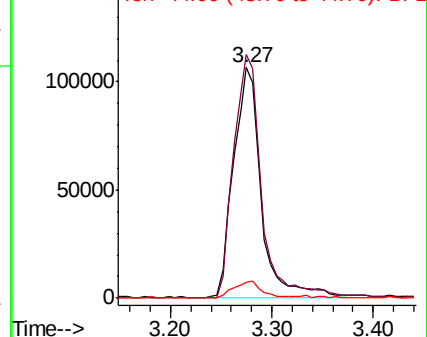
44 7.0 6.0 9.0

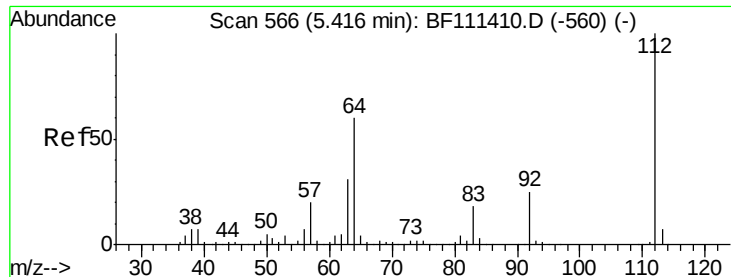


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 121.318 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF111495.D

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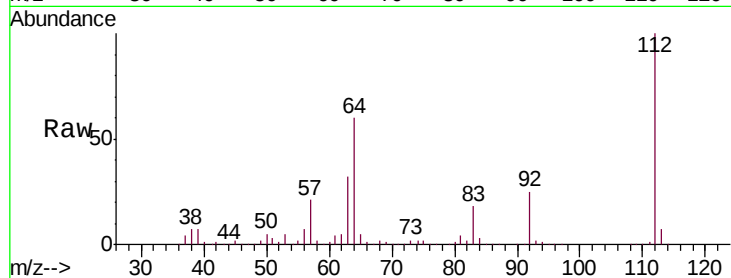
Tgt Ion: 112 Resp: 1031969

Ion Ratio Lower Upper

112 100

64 60.3 51.8 77.6

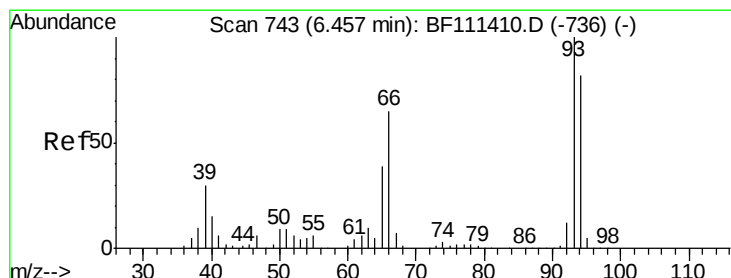
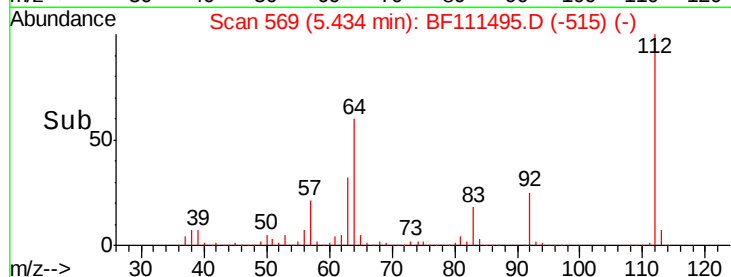
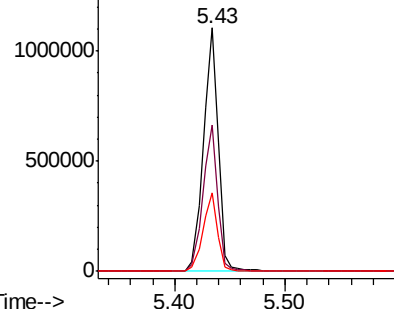
63 32.3 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.514 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

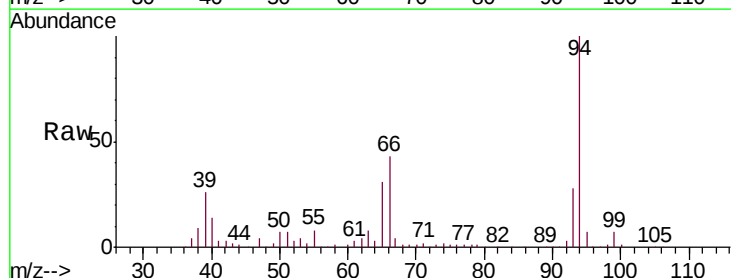
Tgt Ion: 93 Resp: 119496

Ion Ratio Lower Upper

93 100

66 156.3 33.2 49.8#

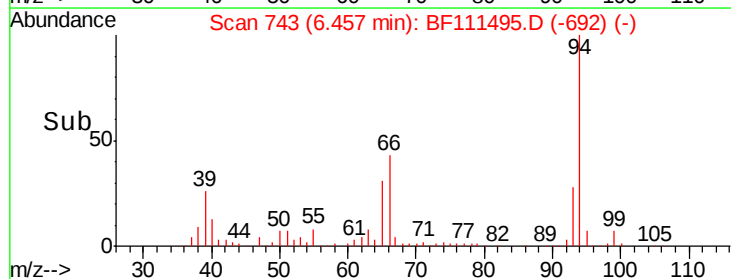
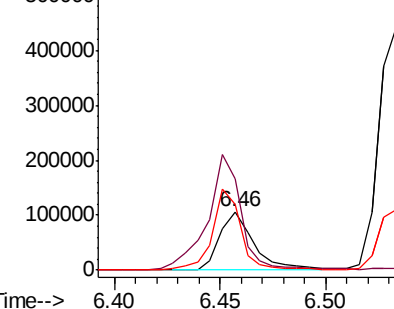
65 113.0 17.0 25.4#

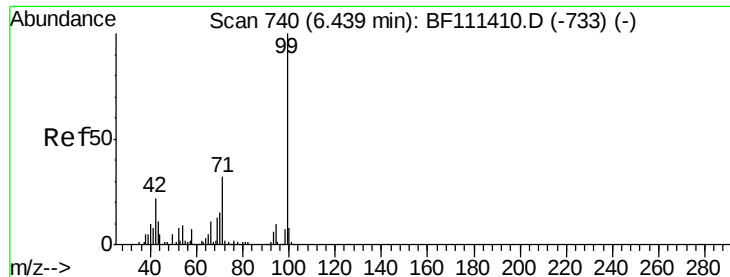


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 101.706 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

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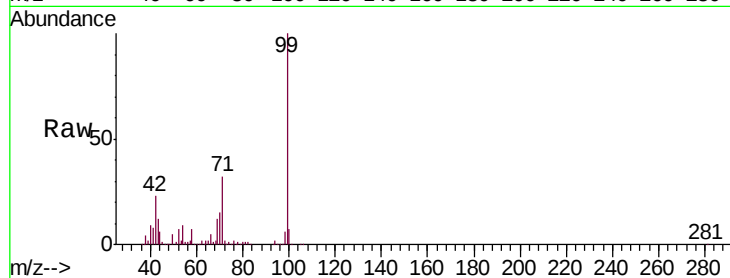
Tgt Ion: 99 Resp: 1150791

Ion Ratio Lower Upper

99 100

42 22.7 17.4 26.0

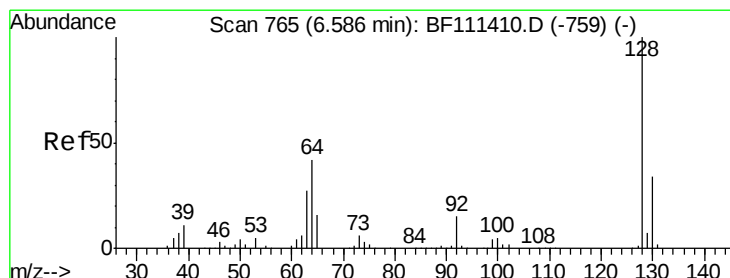
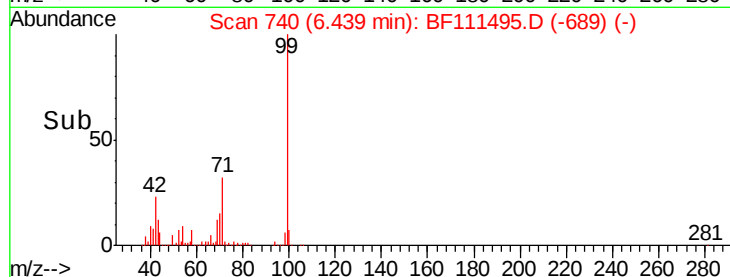
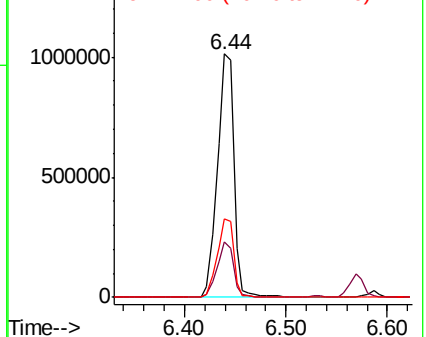
71 32.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.856 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

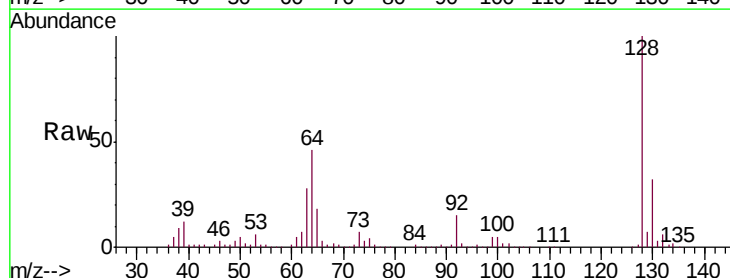
Tgt Ion: 128 Resp: 394921

Ion Ratio Lower Upper

128 100

130 31.8 12.7 52.7

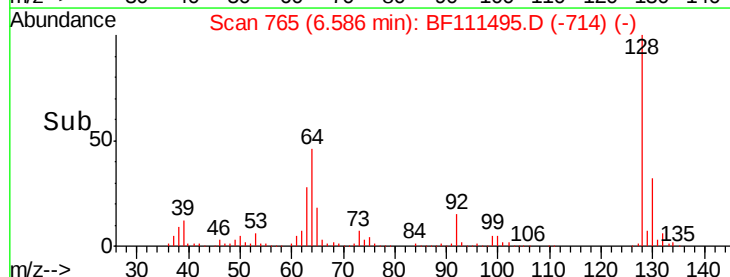
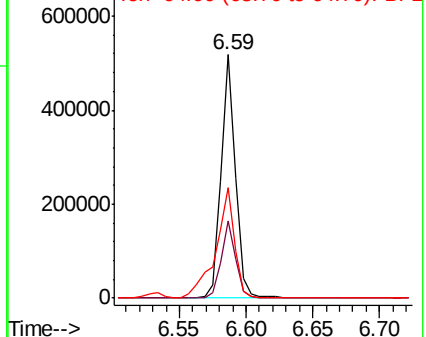
64 45.6 30.0 70.0

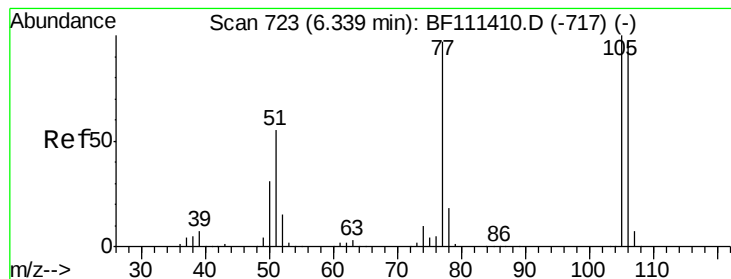


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 16.916 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF111495.D

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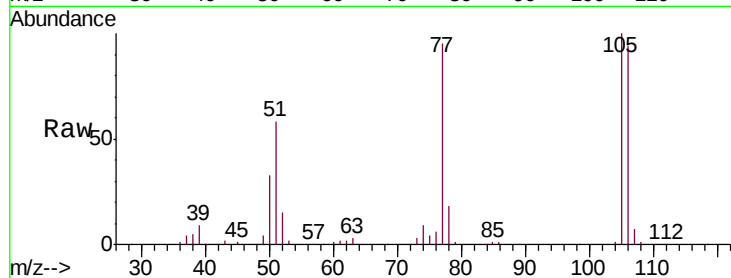
Tgt Ion: 77 Resp: 116095

Ion Ratio Lower Upper

77 100

105 105.4 81.4 121.4

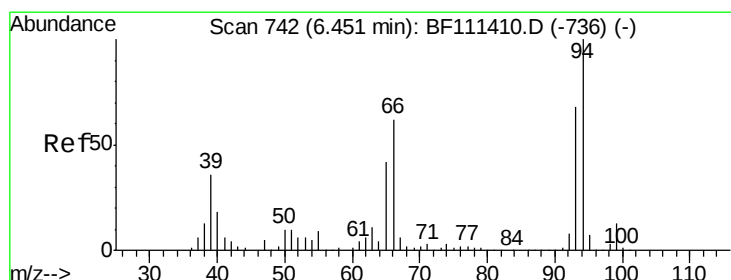
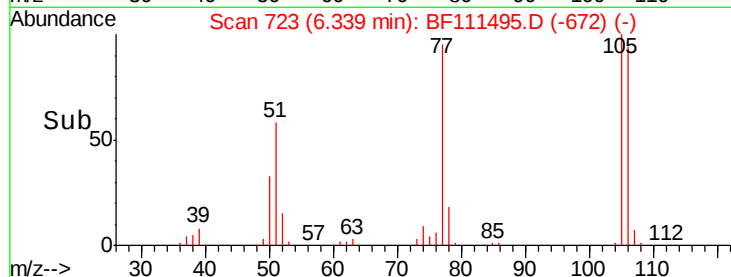
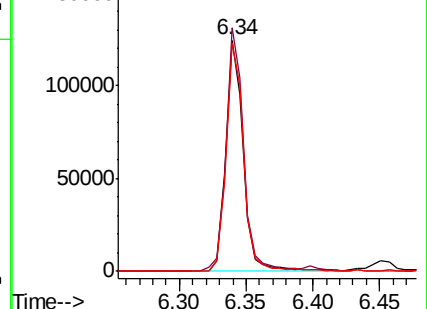
106 98.8 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 29.995 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

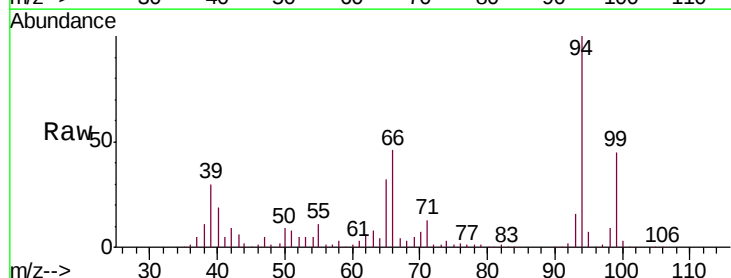
Tgt Ion: 94 Resp: 378075

Ion Ratio Lower Upper

94 100

65 32.0 11.7 51.7

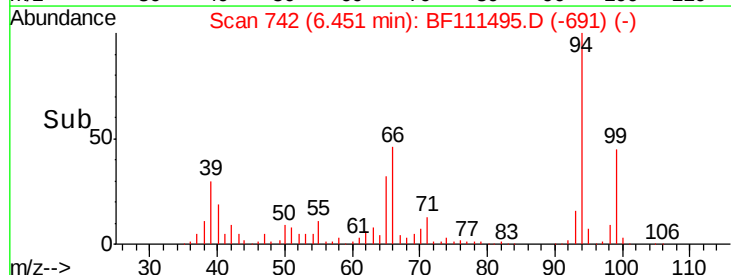
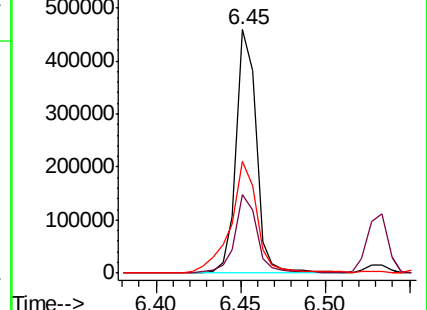
66 45.9 21.0 61.0

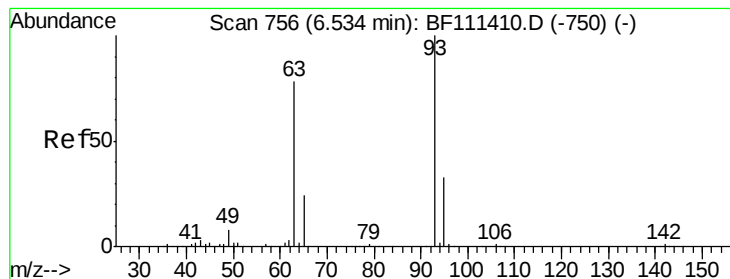


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 38.021 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

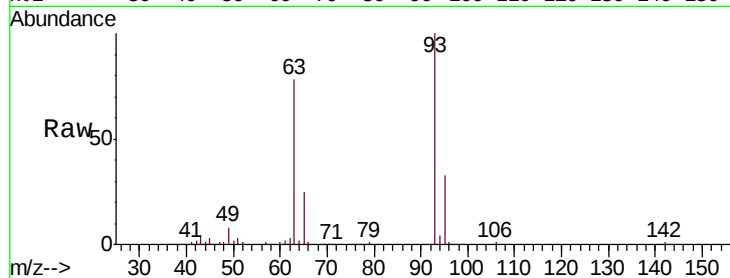
Tgt Ion: 93 Resp: 375678

Ion Ratio Lower Upper

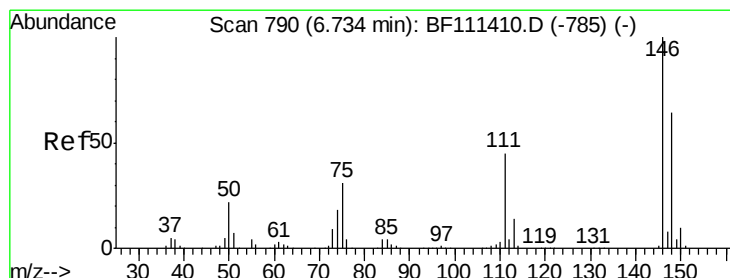
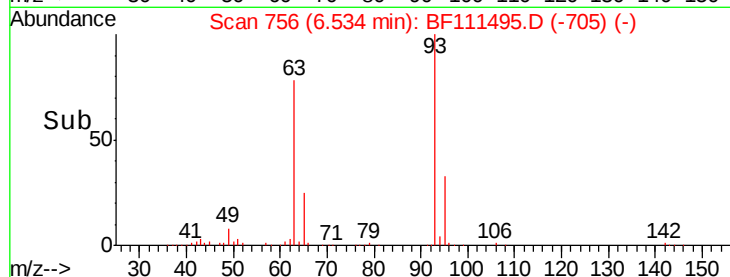
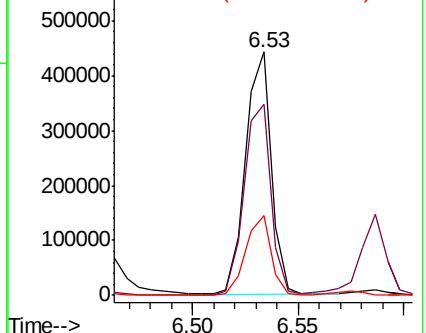
93 100

63 78.2 60.0 100.0

95 32.7 13.4 53.4



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 37.930 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

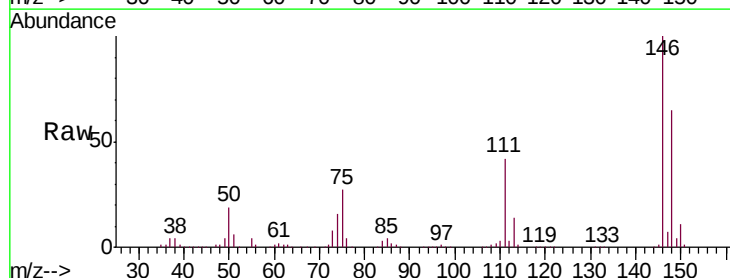
Tgt Ion: 146 Resp: 424362

Ion Ratio Lower Upper

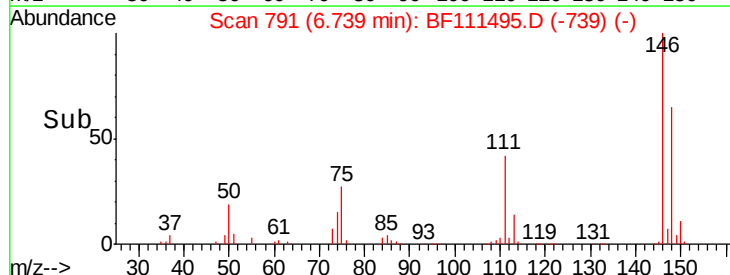
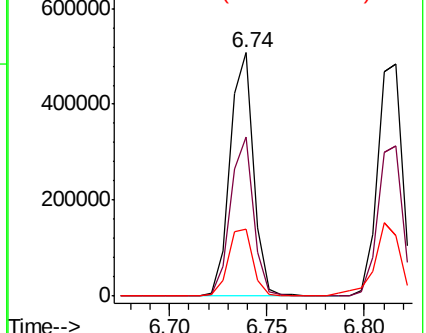
146 100

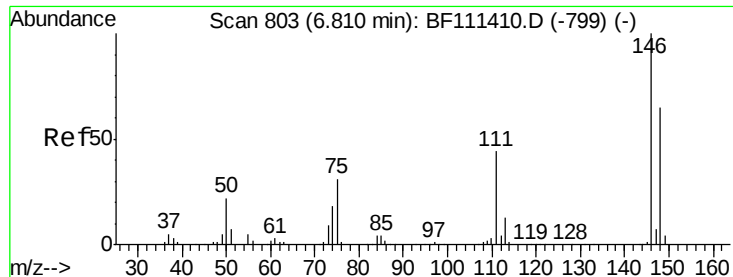
148 65.4 52.1 78.1

75 27.5 23.9 35.9



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

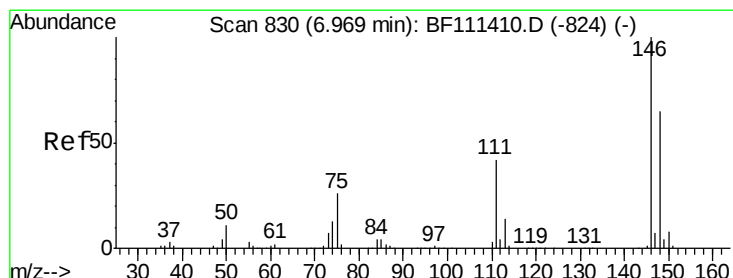
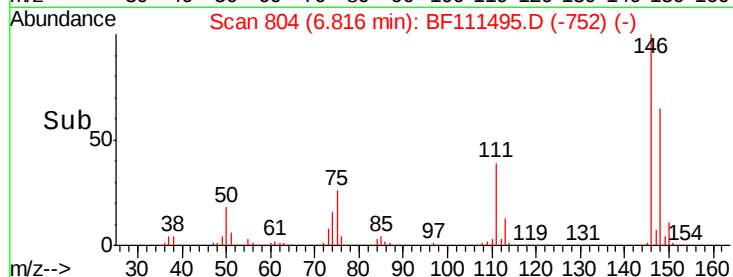
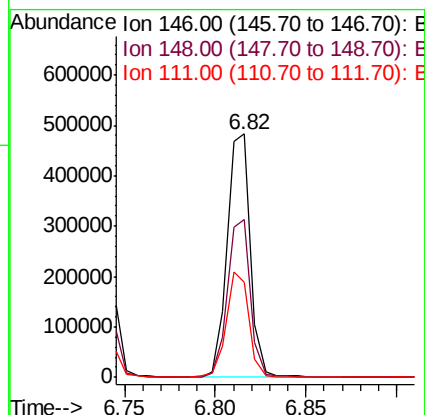
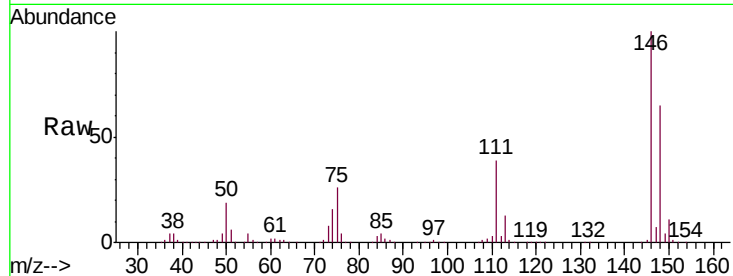




#13
 1,4-Dichlorobenzene
 Concen: 37.784 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

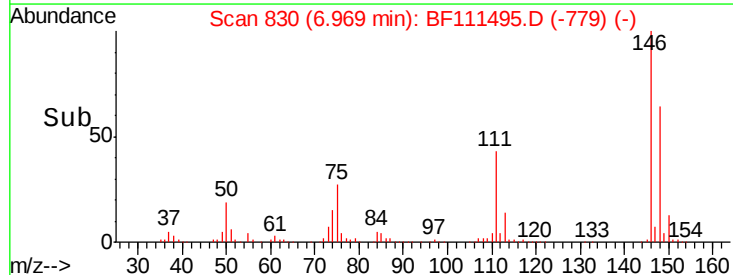
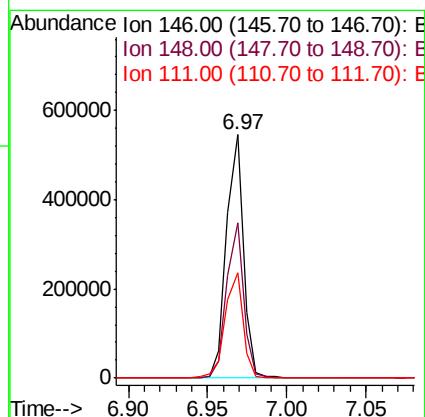
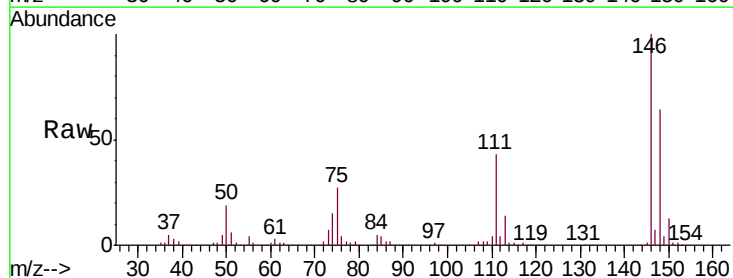
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

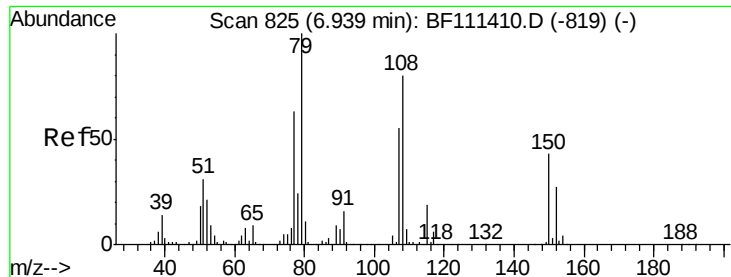
Tgt Ion:146 Resp: 429082
 Ion Ratio Lower Upper
 146 100
 148 64.7 52.8 79.2
 111 39.1 33.4 50.0



#14
 1,2-Dichlorobenzene
 Concen: 38.020 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion:146 Resp: 406187
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.9 77.9
 111 43.3 36.2 54.4





#15

Benzyl Alcohol

Concen: 37.227 ng

RT: 6.94 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

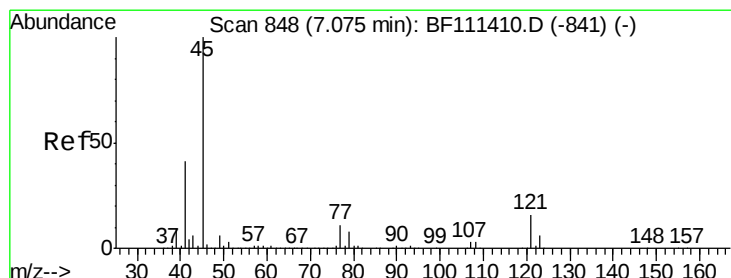
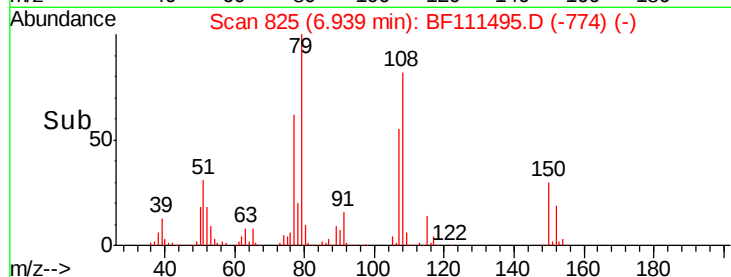
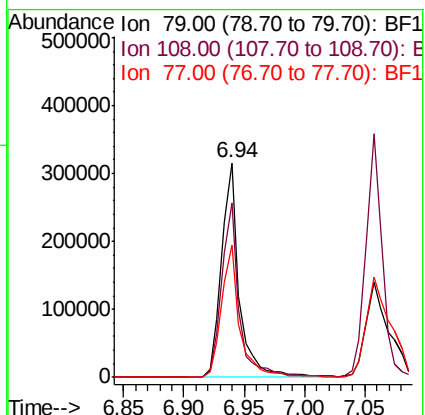
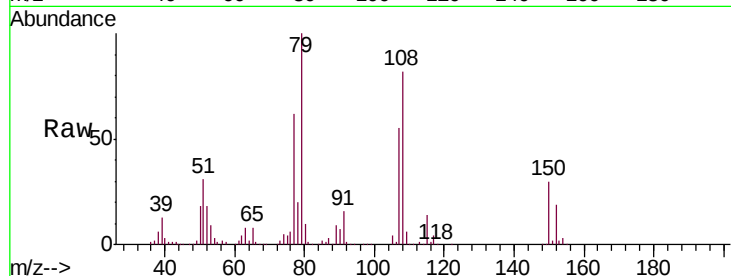
Tgt Ion: 79 Resp: 320505

Ion Ratio Lower Upper

79 100

108 81.7 69.4 104.2

77 62.0 49.7 74.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.642 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

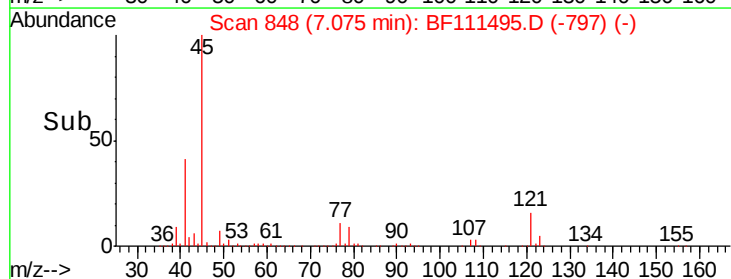
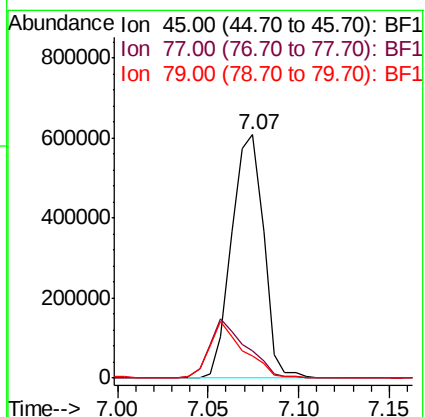
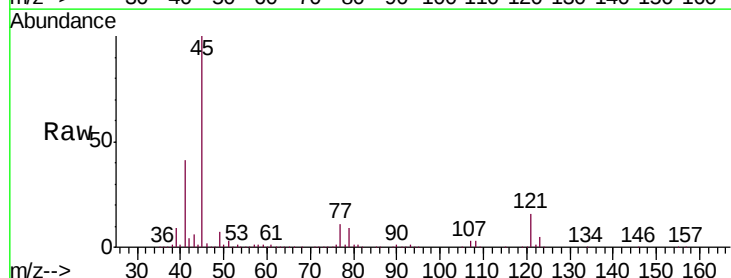
Tgt Ion: 45 Resp: 745497

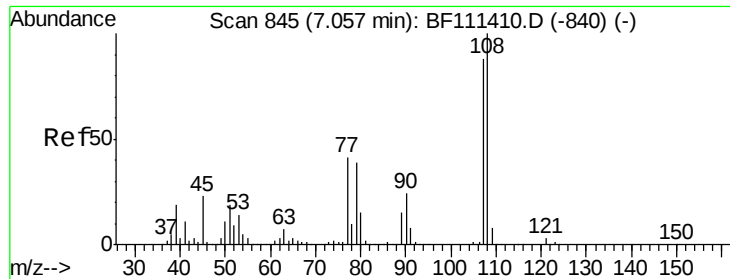
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.5

79 9.0 0.0 28.9

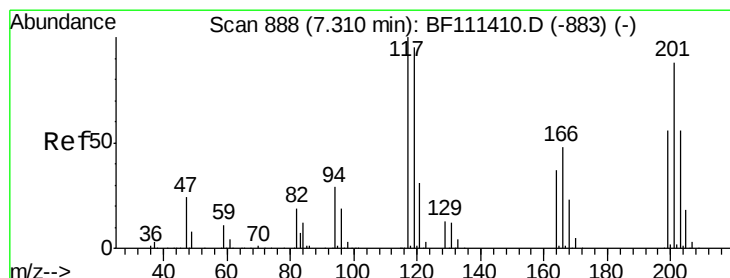
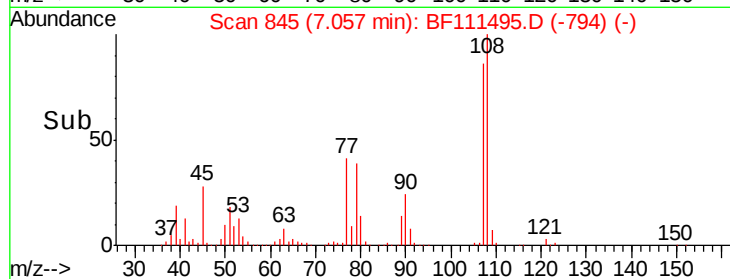
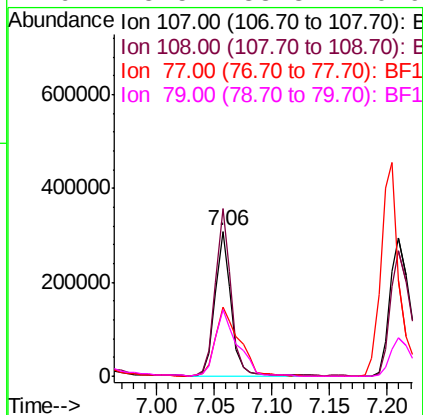
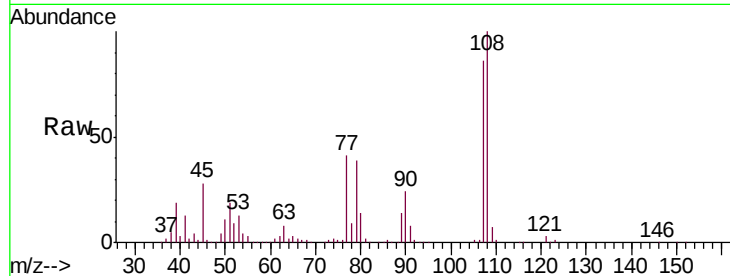




#17
2-Methylphenol
Concen: 36.194 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

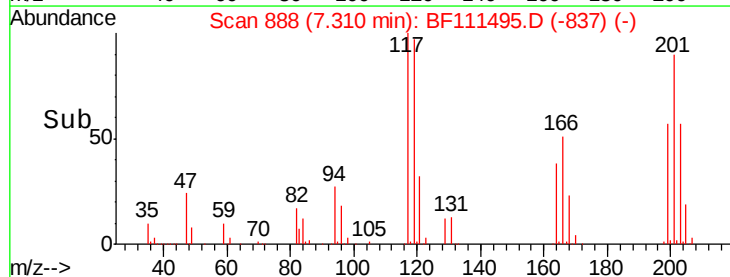
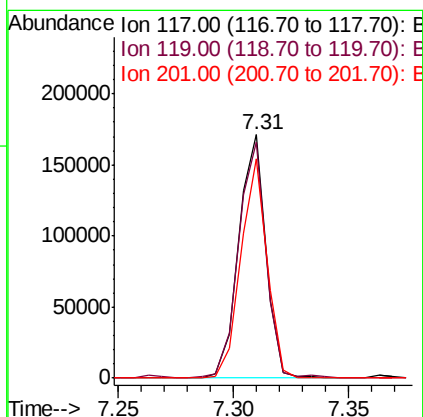
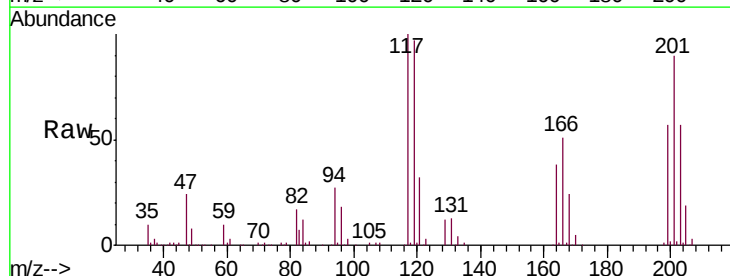
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

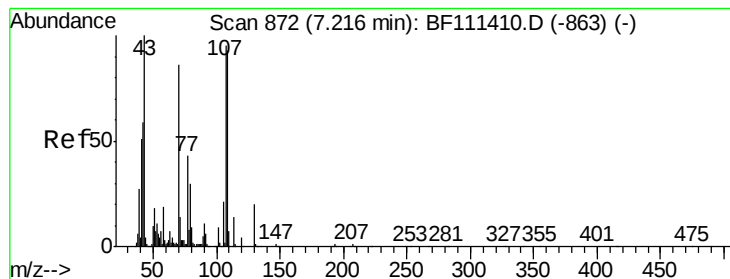
Tgt Ion:	107	Resp:	296052
Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.0	136.4
77	47.6	33.5	50.3
79	45.5	33.3	49.9



#18
Hexachloroethane
Concen: 33.189 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:	117	Resp:	140263
Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.4	113.0
201	89.9	62.4	93.6





#19

n-Nitroso-di-n-propylamine

Concen: 36.887 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

Tgt Ion: 70 Resp: 275361

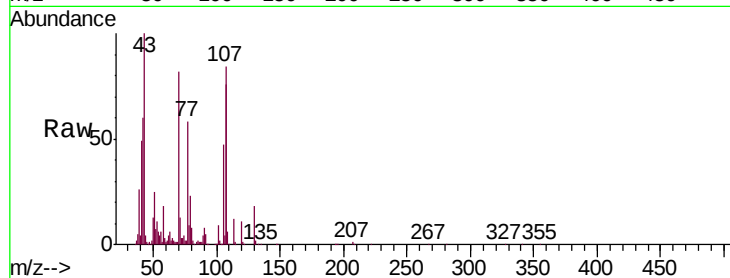
Ion Ratio Lower Upper

70 100

42 73.4 53.2 79.8

101 10.6 8.2 12.4

130 22.3 18.1 27.1

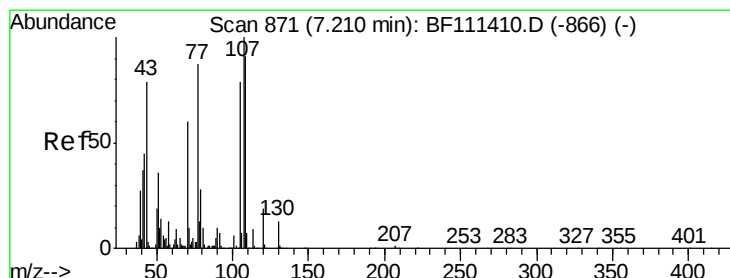
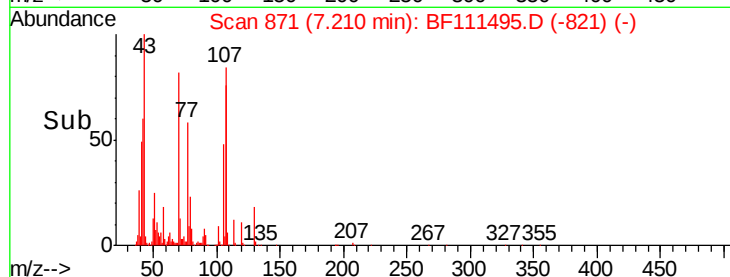
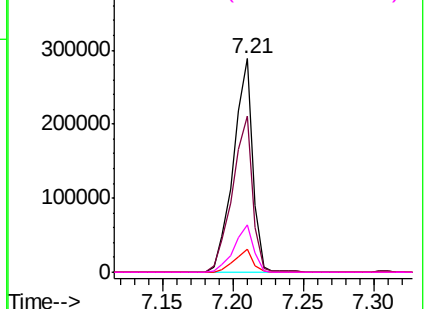


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 36.000 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Tgt Ion: 107 Resp: 369372

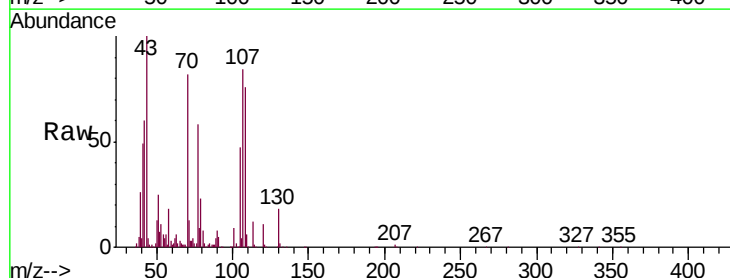
Ion Ratio Lower Upper

107 100

108 91.0 72.1 112.1

77 69.2 94.1 134.1#

79 27.5 9.8 49.8

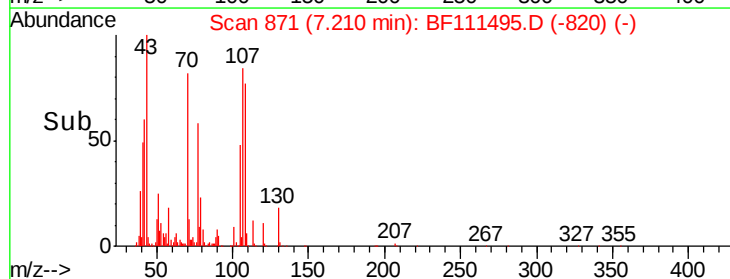
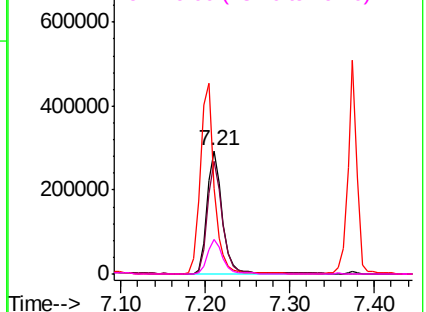


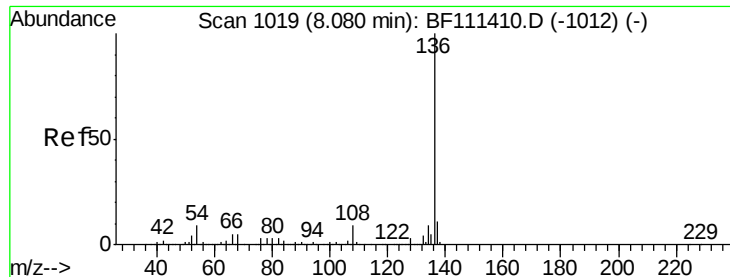
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

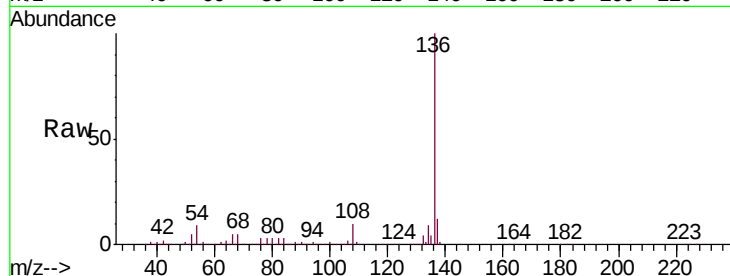




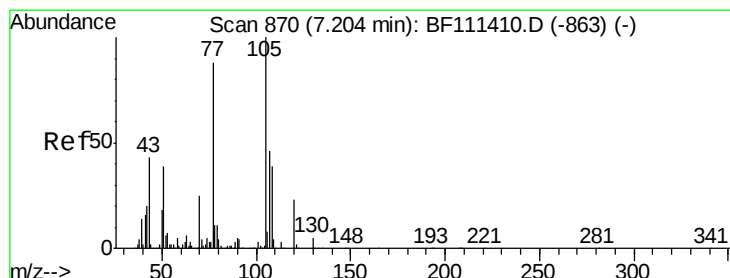
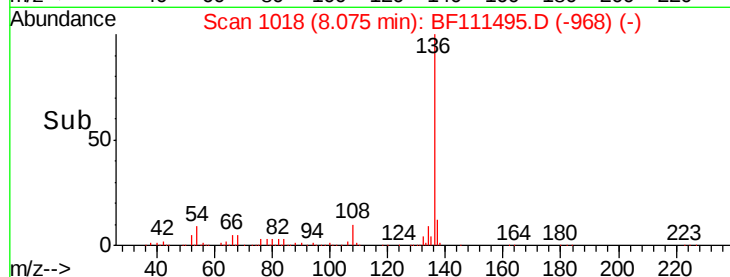
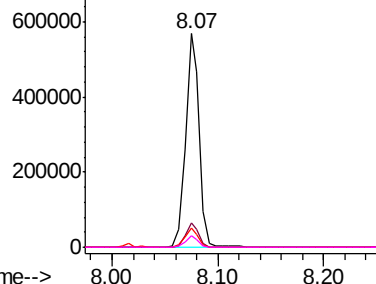
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tgt Ion:	136	Resp:	521577
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	9.3	7.7	11.5
68	5.2	4.9	7.3

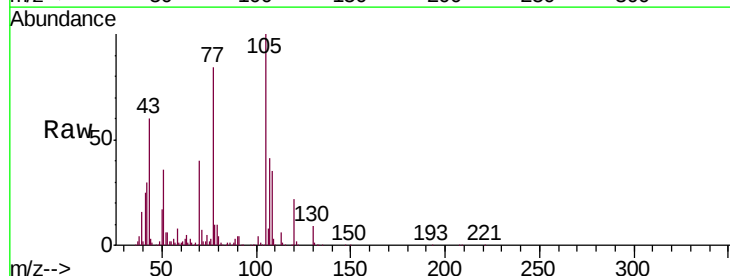


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

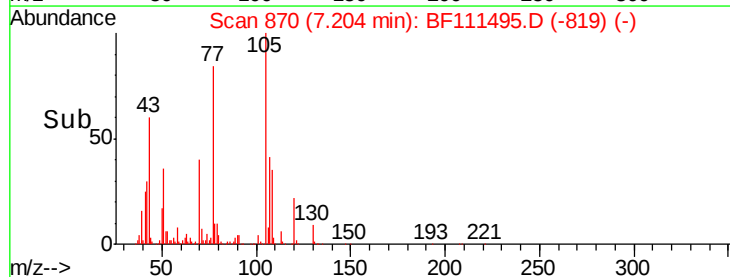
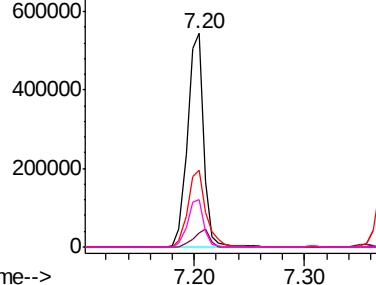


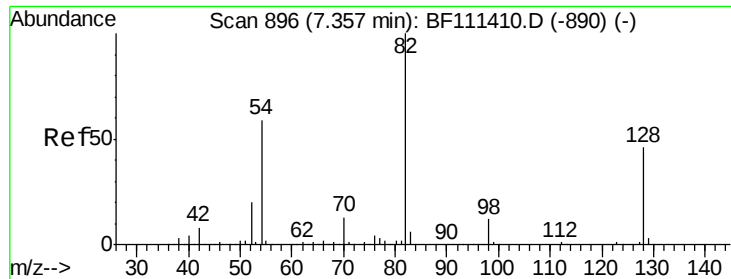
#22
Acetophenone
Concen: 47.615 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:	105	Resp:	554398
Ion	Ratio	Lower	Upper
105	100		
71	6.6	3.1	4.7#
51	35.8	36.6	54.8#
120	22.4	18.2	27.4



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

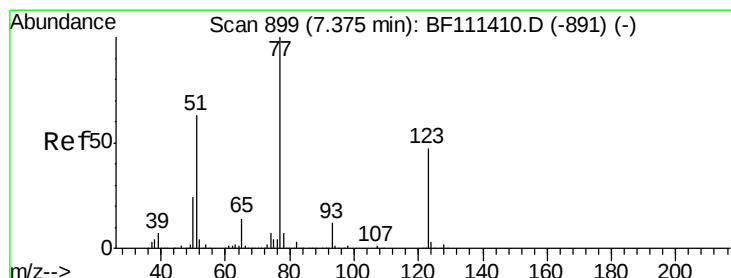
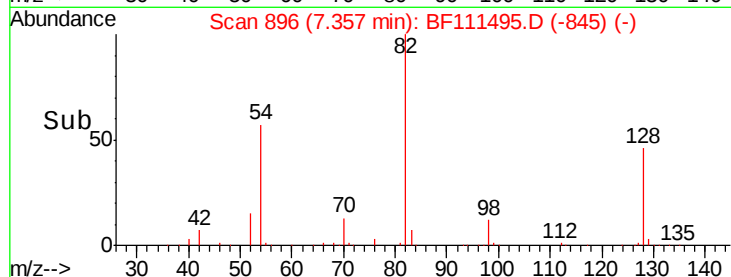
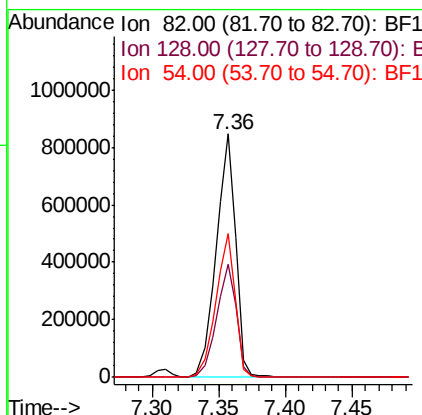
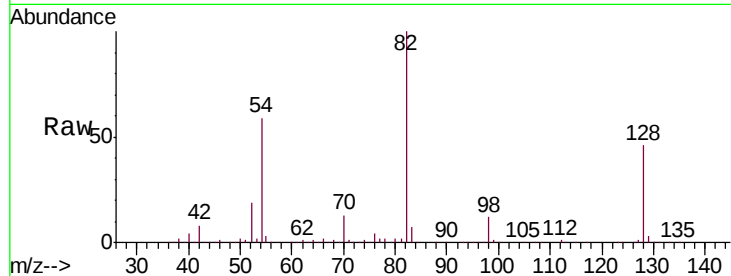




#23
 Nitrobenzene-d5
 Concen: 99.662 ng
 RT: 7.36 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

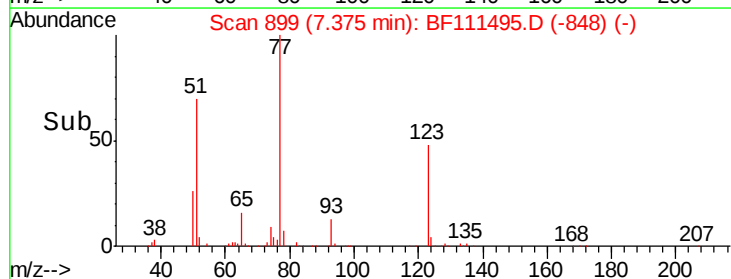
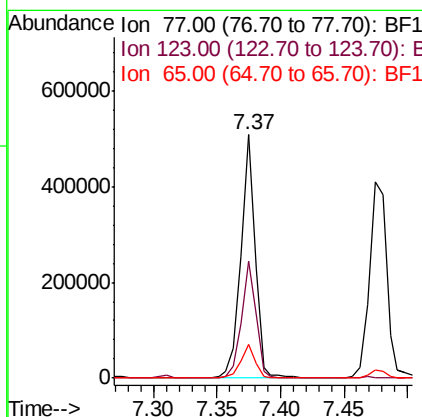
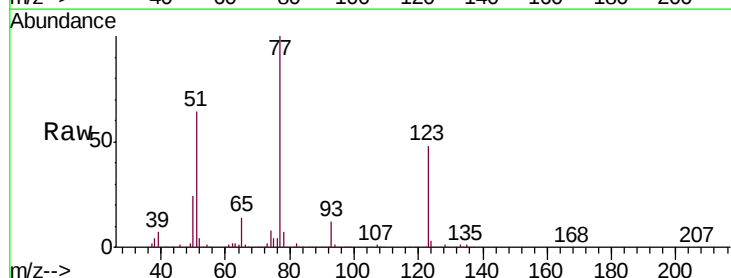
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

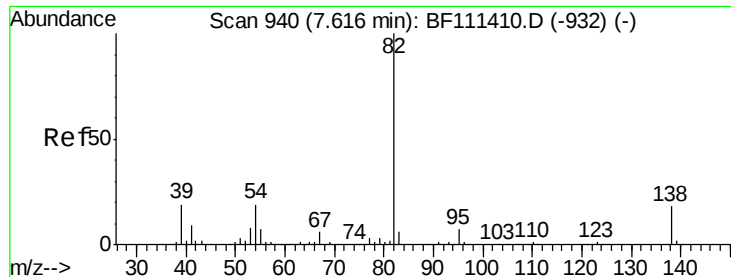
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.2
54	59.2	47.6	71.4



#24
 Nitrobenzene
 Concen: 43.985 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.0	37.2	55.8
65	14.1	11.5	17.3

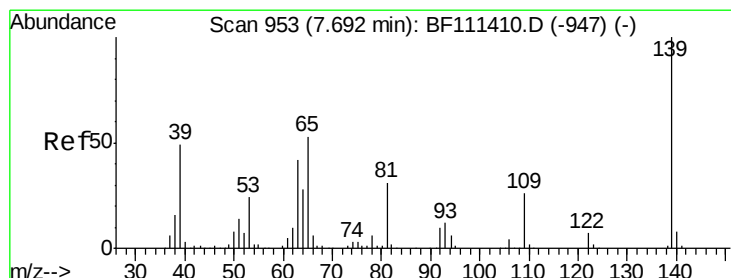
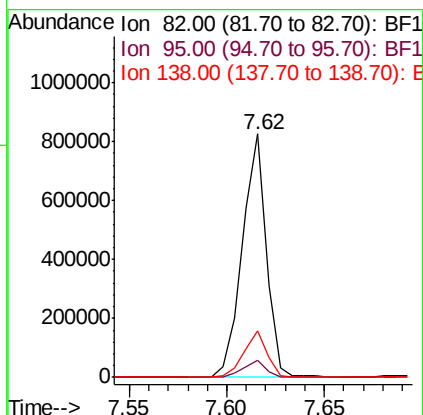
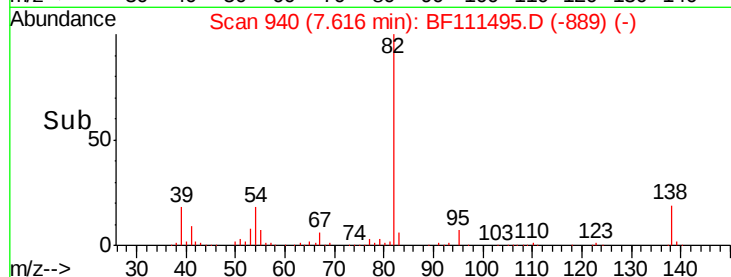
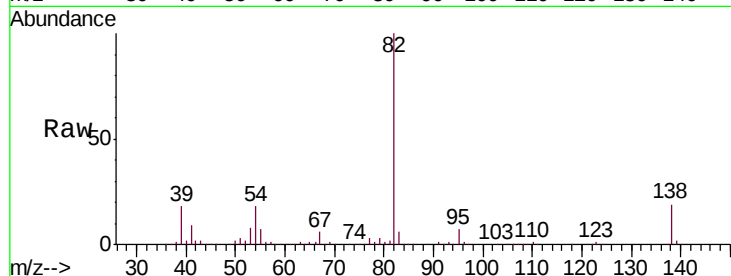




#25
Isophorone
Concen: 47.720 ng
RT: 7.62 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

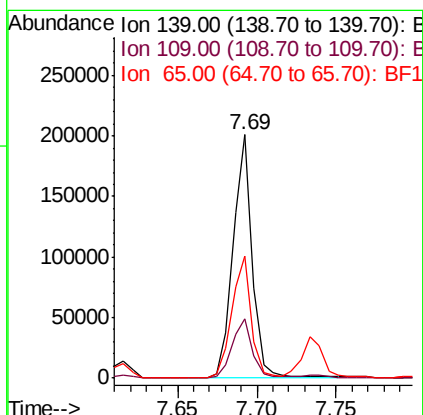
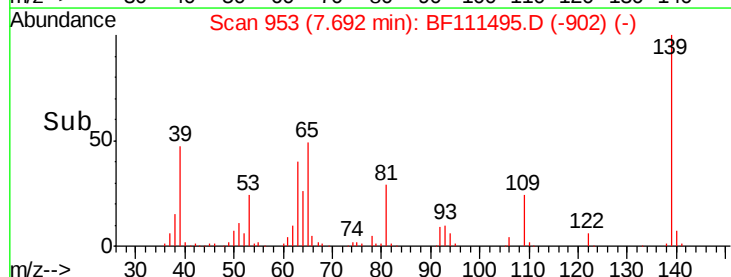
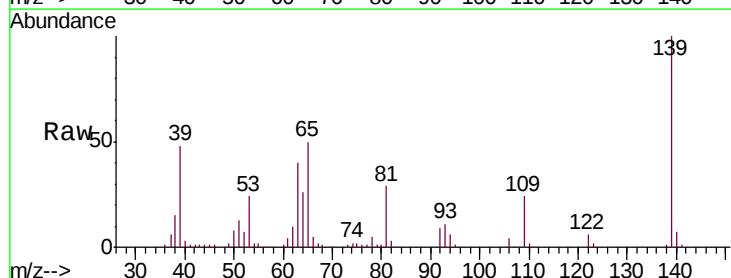
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

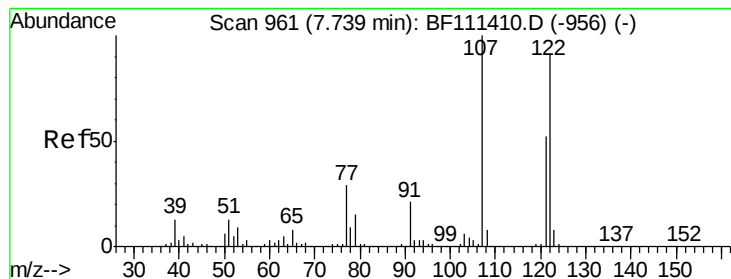
Tgt Ion: 82 Resp: 707218
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 18.8 15.1 22.7



#26
2-Nitrophenol
Concen: 36.745 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion: 139 Resp: 170264
Ion Ratio Lower Upper
139 100
109 24.4 20.2 30.4
65 50.0 40.7 61.1





#27

2,4-Dimethylphenol

Concen: 48.533 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

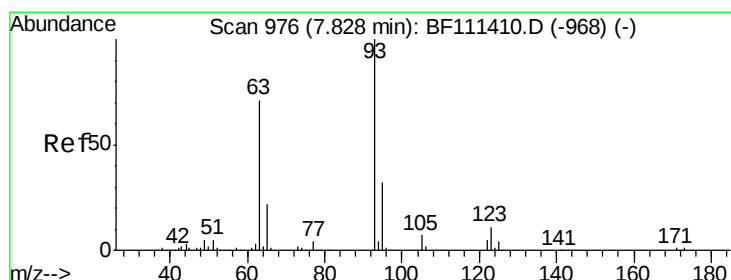
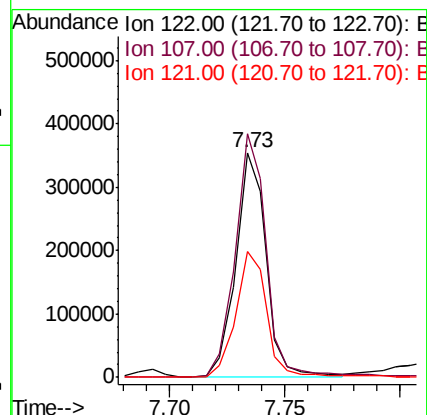
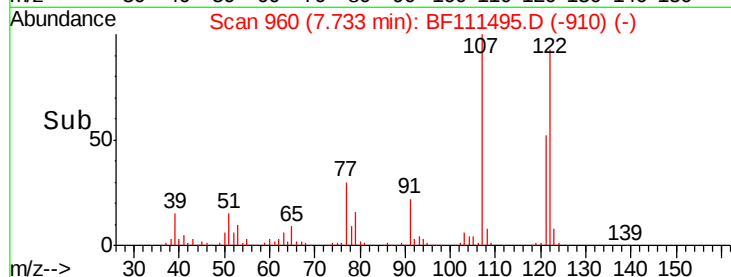
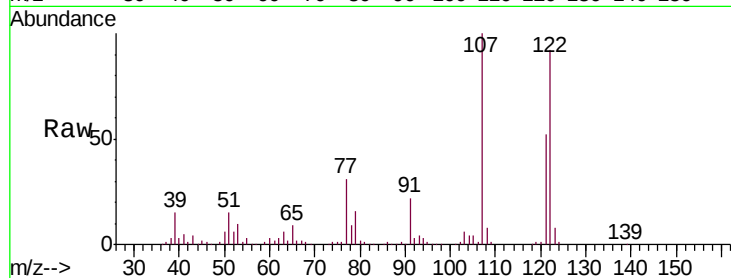
Tgt Ion:122 Resp: 326021

Ion Ratio Lower Upper

122 100

107 108.2 85.5 128.3

121 55.9 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 45.867 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

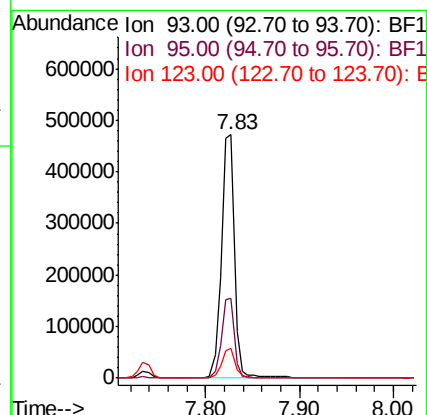
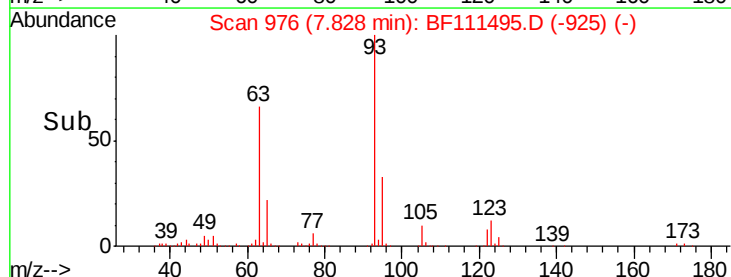
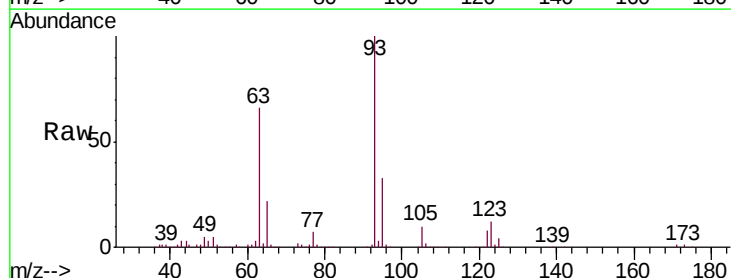
Tgt Ion: 93 Resp: 469270

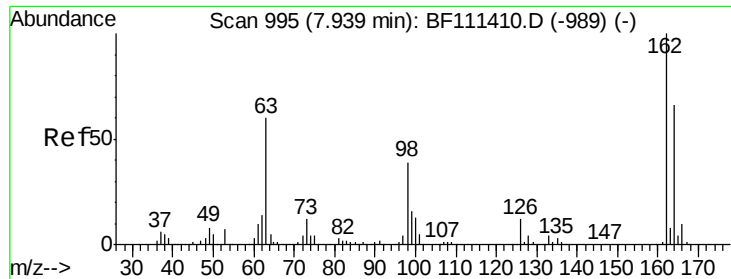
Ion Ratio Lower Upper

93 100

95 33.0 27.1 40.7

123 12.4 9.9 14.9

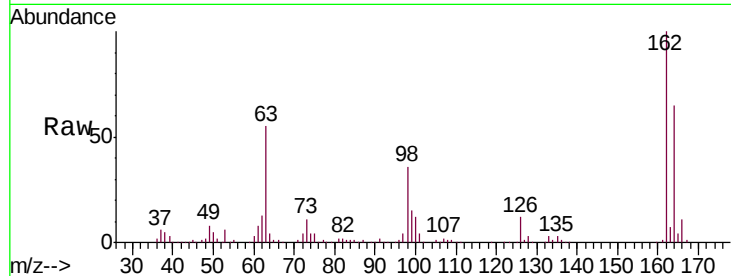




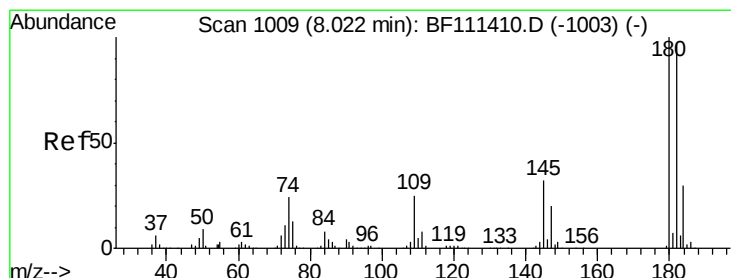
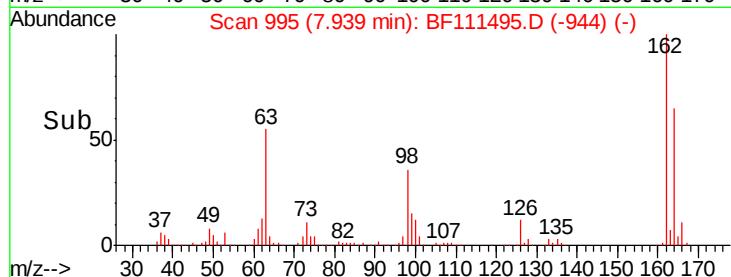
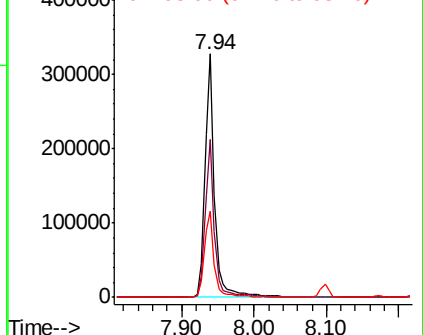
#29
 2,4-Dichlorophenol
 Concen: 42.255 ng
 RT: 7.94 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.4	84.4
98	35.6	20.3	60.3

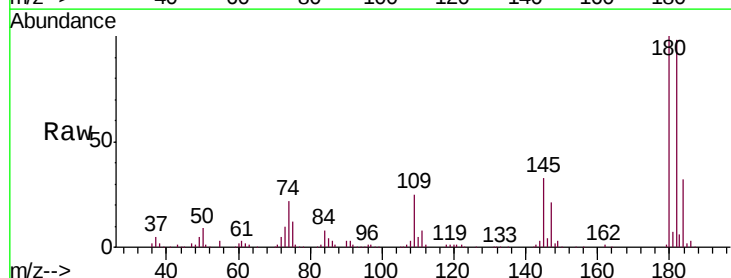


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

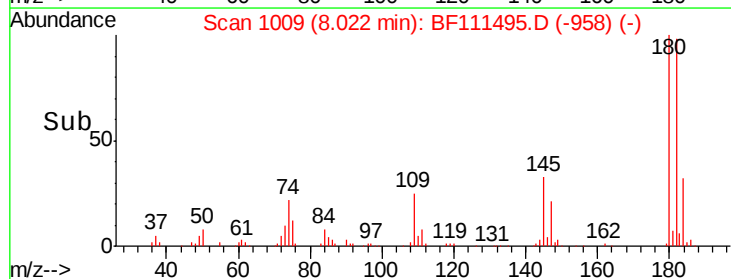
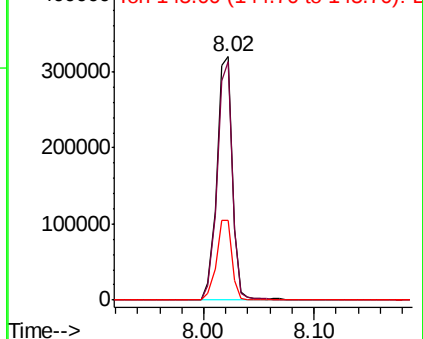


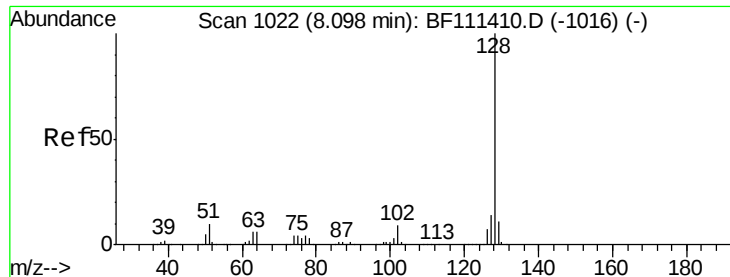
#30
 1,2,4-Trichlorobenzene
 Concen: 41.720 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.6	113.4
145	32.8	26.7	40.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

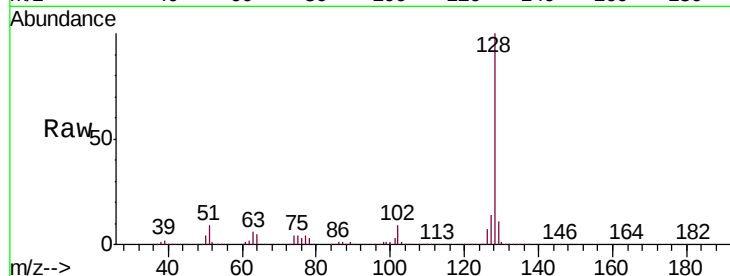




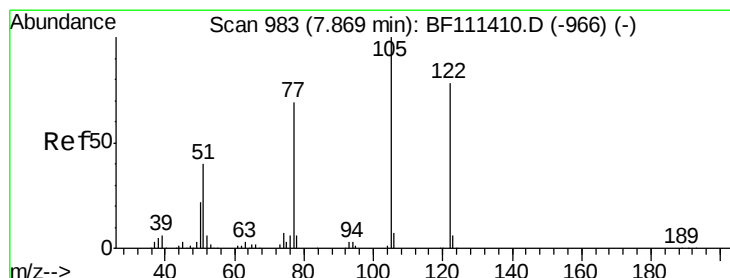
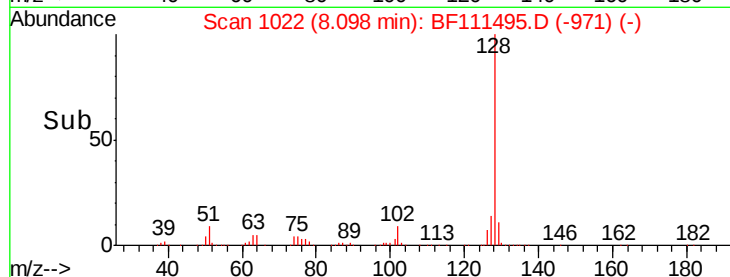
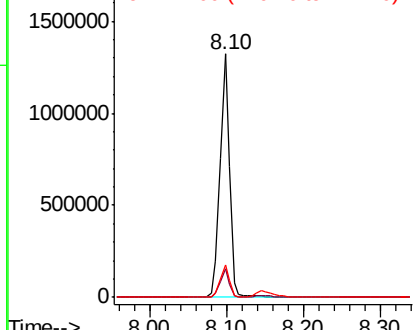
#31
Naphthalene
Concen: 45.909 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tgt Ion:128 Resp: 1119970
Ion Ratio Lower Upper
128 100
129 11.5 9.8 14.8
127 13.5 12.0 18.0

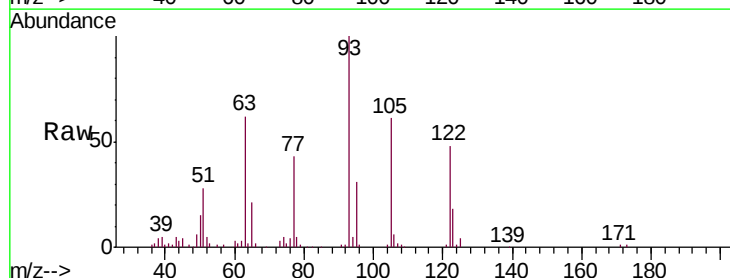


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

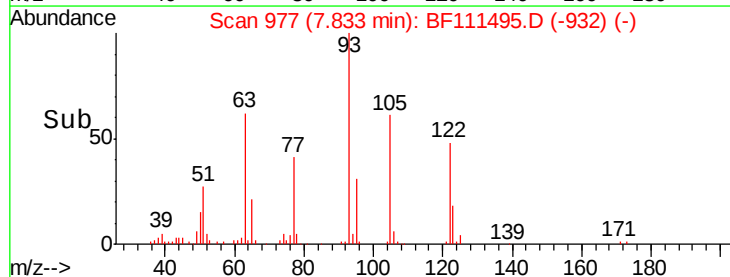
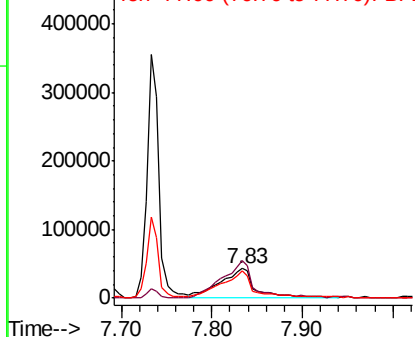


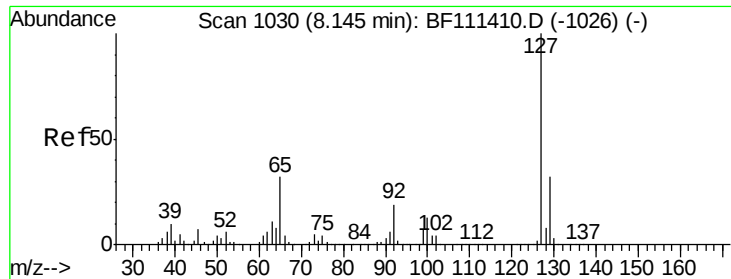
#32
Benzoic acid
Concen: 19.086 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.04 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:122 Resp: 110791
Ion Ratio Lower Upper
122 100
105 126.6 97.0 137.0
77 90.1 65.7 105.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

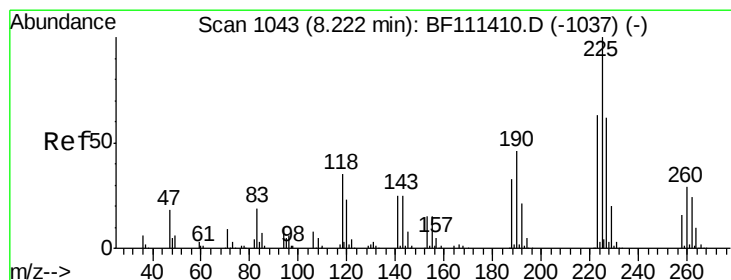
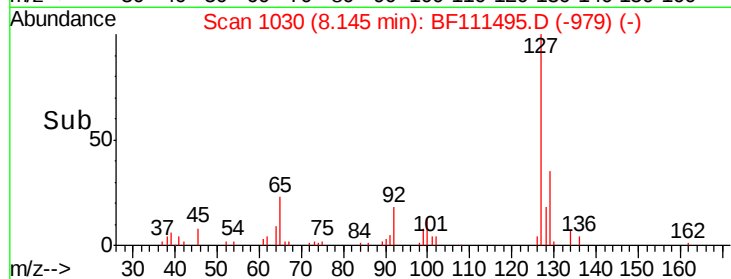
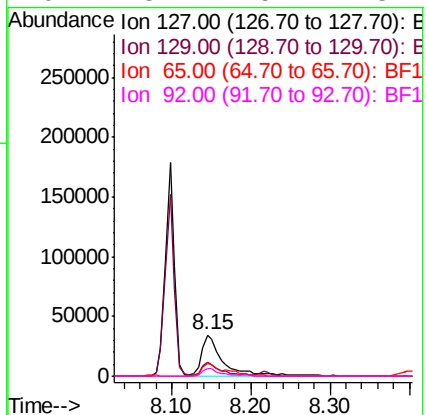
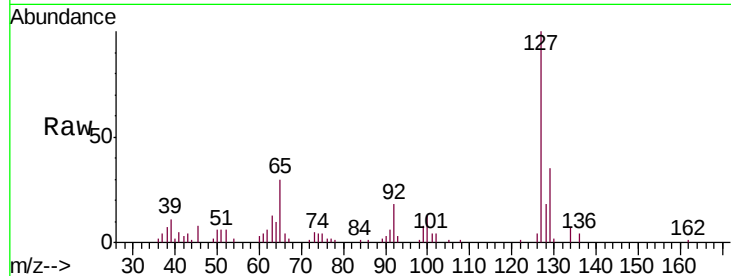




#33
4-Chloroaniline
Concen: 6.232 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

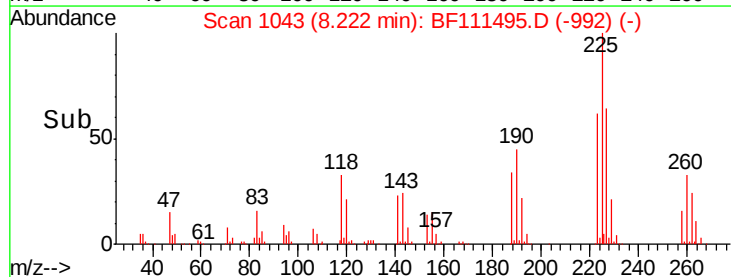
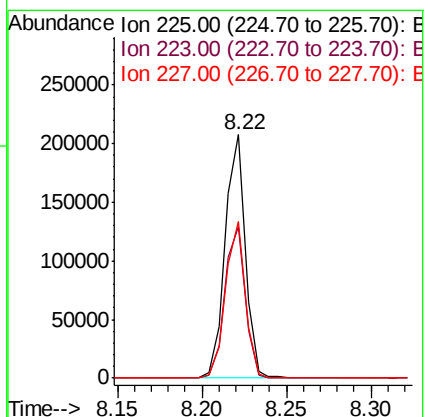
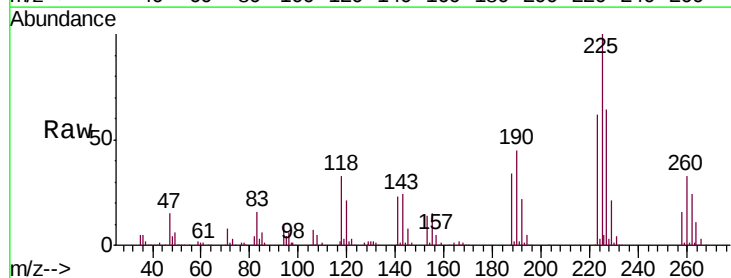
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

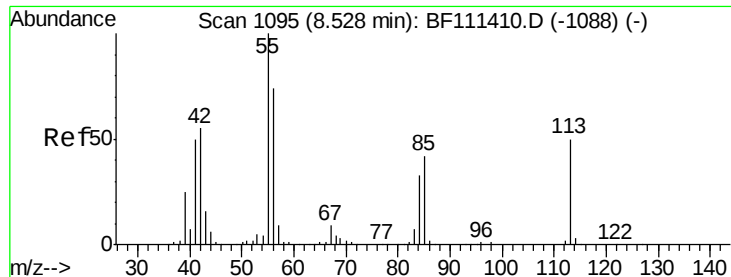
Tgt Ion:	127	Resp:	67607
Ion	Ratio	Lower	Upper
127	100		
129	35.1	26.6	39.8
65	29.7	25.7	38.5
92	18.1	15.4	23.2



#34
Hexachlorobutadiene
Concen: 41.597 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:	225	Resp:	172039
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	64.3	52.6	78.8

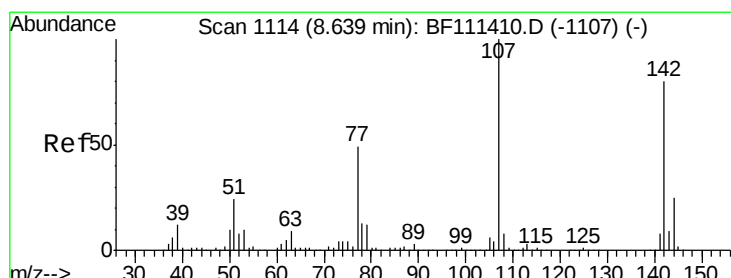
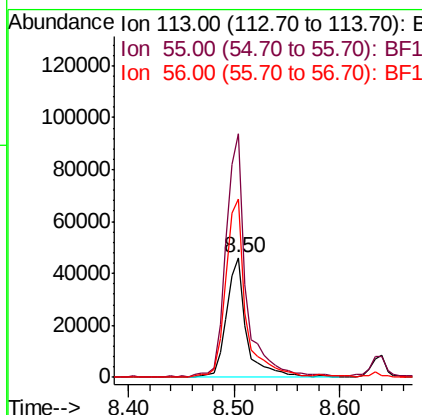
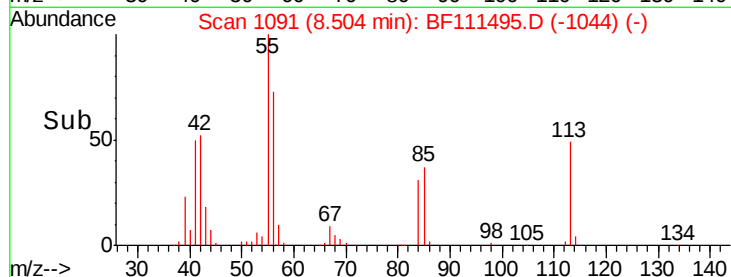
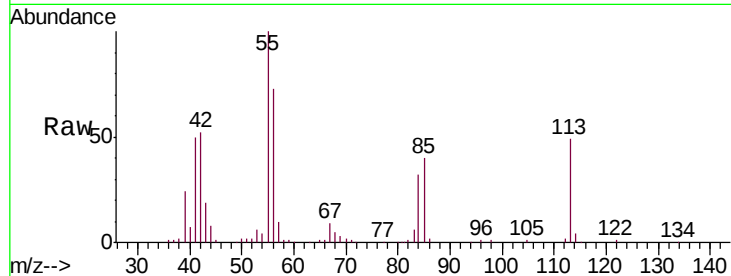




#35
 Caprolactam
 Concen: 22.614 ng
 RT: 8.50 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

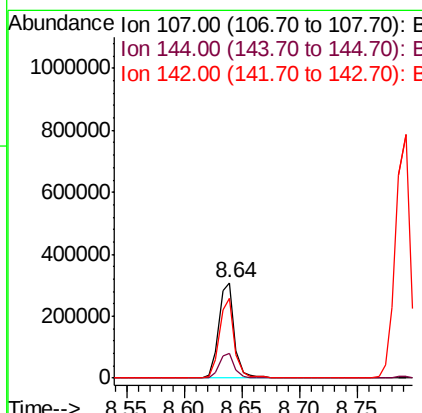
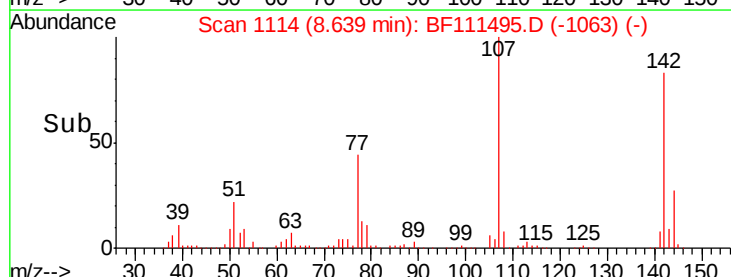
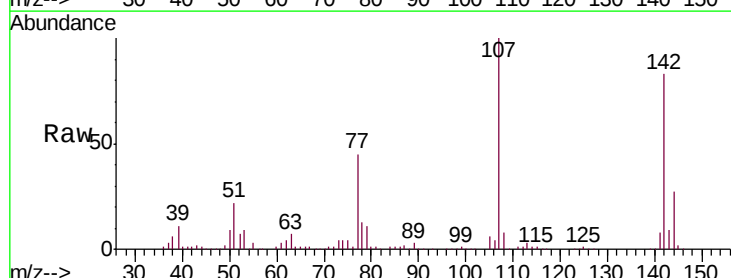
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

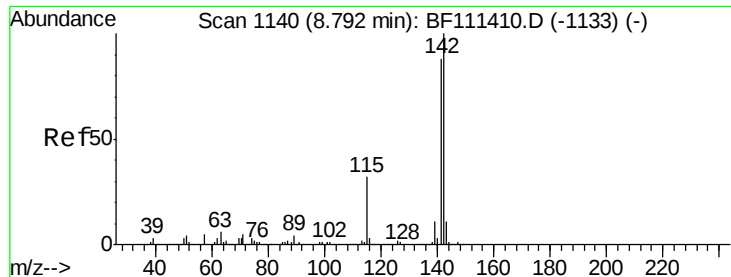
Tgt Ion:113 Resp: 60207
 Ion Ratio Lower Upper
 113 100
 55 203.3 184.1 224.1
 56 148.6 126.0 166.0



#36
 4-Chloro-3-methylphenol
 Concen: 37.041 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion:107 Resp: 292373
 Ion Ratio Lower Upper
 107 100
 144 26.5 19.8 29.6
 142 83.4 62.3 93.5

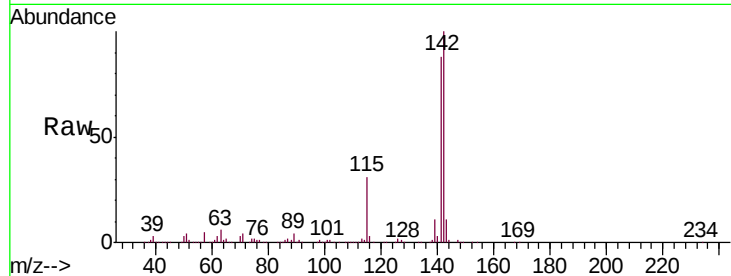




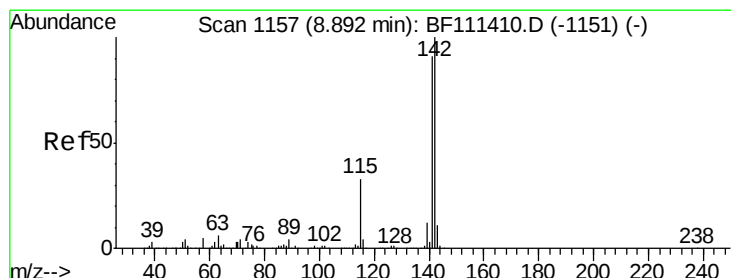
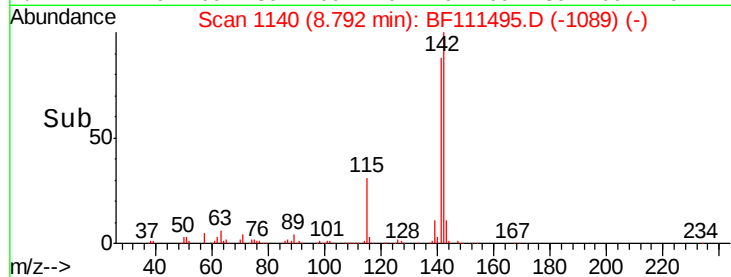
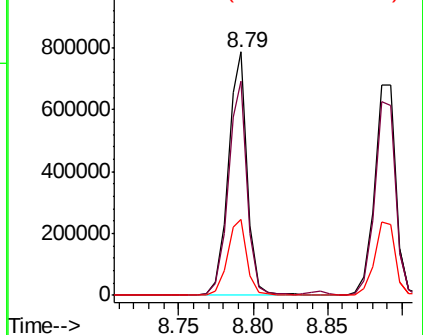
#37
 2-Methylnaphthalene
 Concen: 42.751 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

Tgt Ion:142 Resp: 705724
 Ion Ratio Lower Upper
 142 100
 141 88.1 70.6 105.8
 115 31.4 27.0 40.6

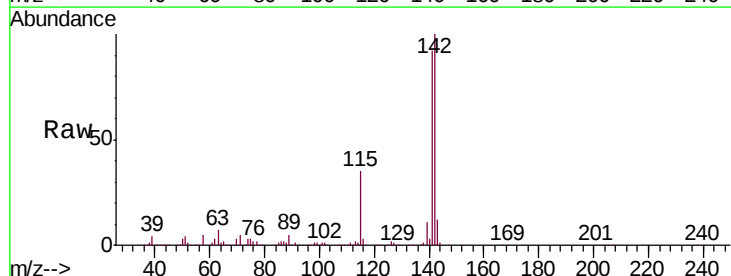


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

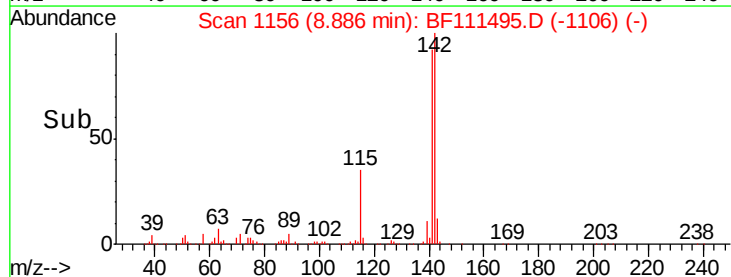
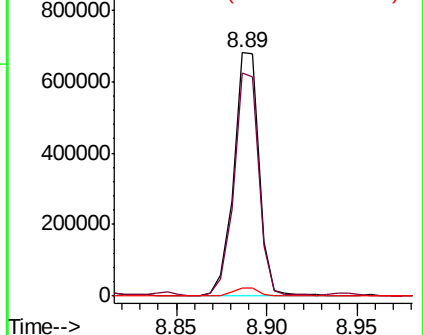


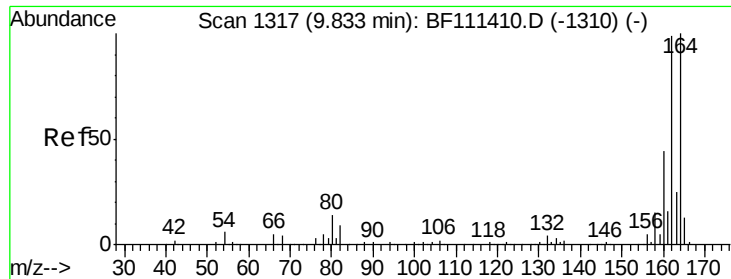
#38
 1-Methylnaphthalene
 Concen: 41.230 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion:142 Resp: 657522
 Ion Ratio Lower Upper
 142 100
 141 91.7 74.2 111.4
 116 3.5 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

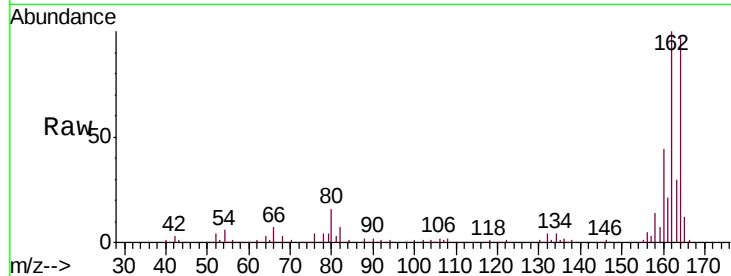
Tgt Ion:164 Resp: 198493

Ion Ratio Lower Upper

164 100

162 103.6 81.4 122.0

160 45.4 35.7 53.5

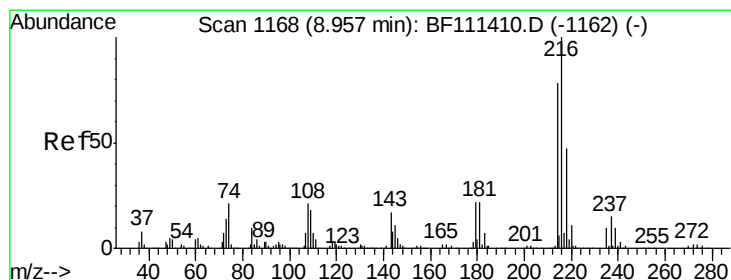
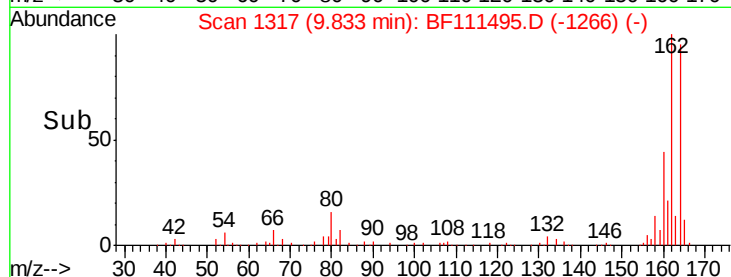
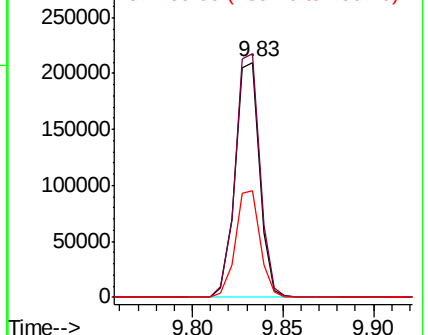


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.550 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Tgt Ion:216 Resp: 269726

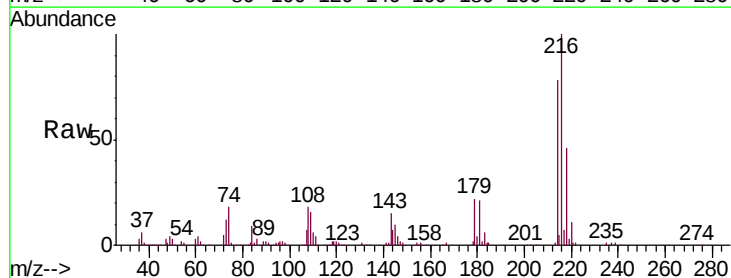
Ion Ratio Lower Upper

216 100

214 77.6 63.8 95.8

179 21.7 17.9 26.9

108 18.6 18.4 27.6



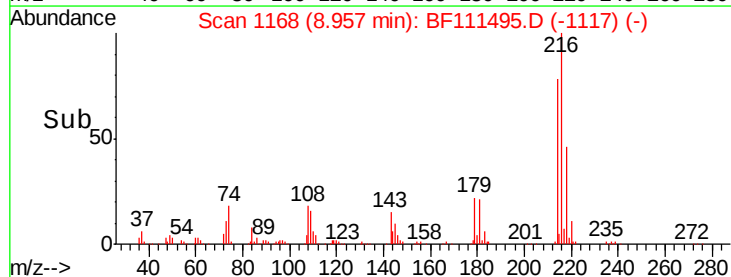
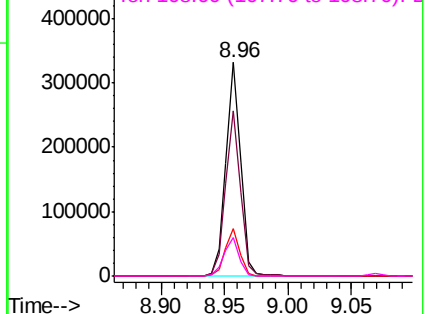
Abundance

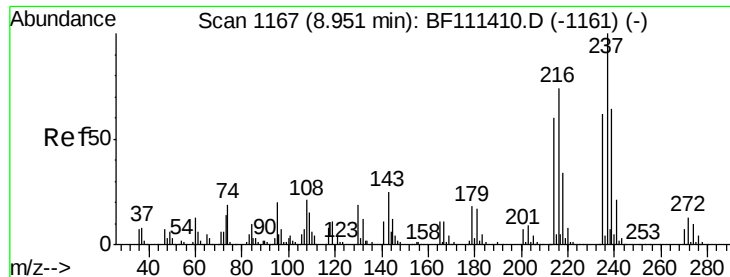
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 16.786 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

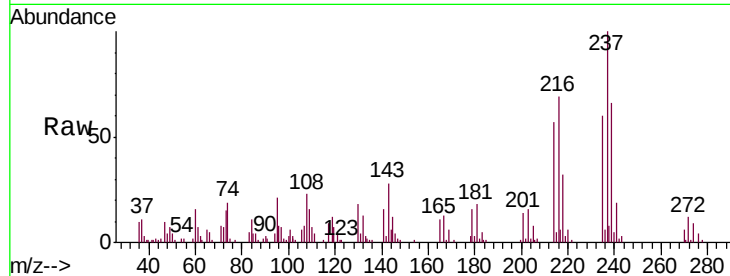
Instrument :

BNA_F

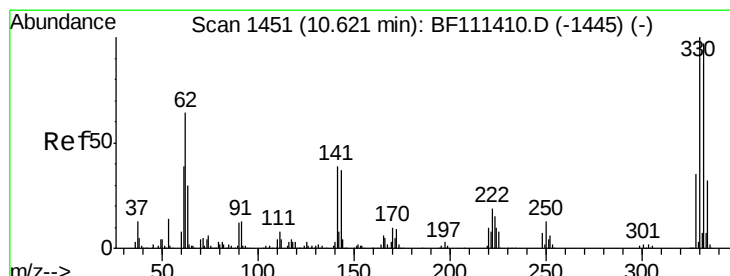
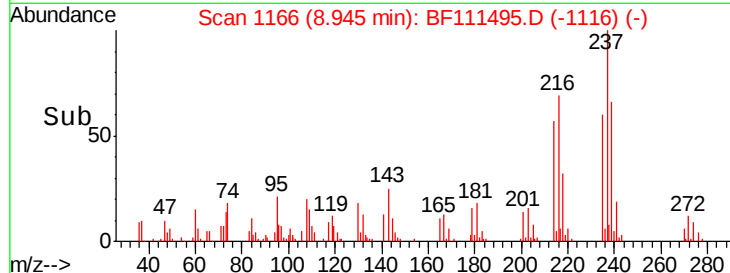
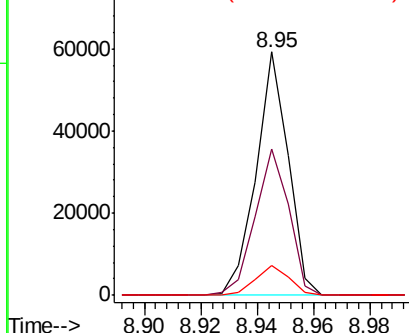
ClientSampleId :

SU-04-121218-AMSD

Tgt Ion:	237	Resp:	46913
Ion Ratio	Lower	Upper	
237	100		
235	59.9	43.1	83.1
272	12.2	0.0	33.0



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 126.554 ng

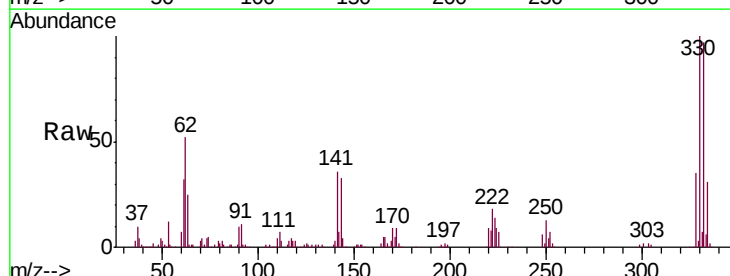
RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

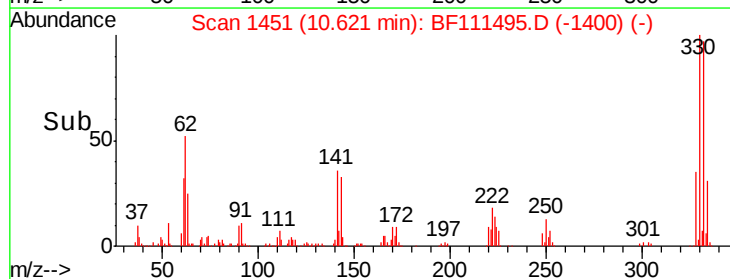
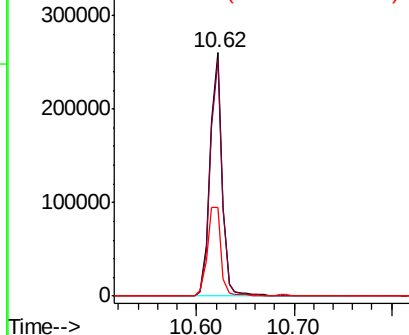
Lab File: BF111495.D

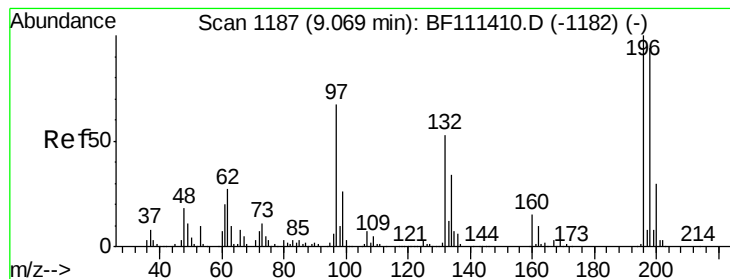
Acq: 16 Dec 2018 5:08

Tgt Ion:	330	Resp:	225022
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.0	114.0
141	41.0	31.0	46.6



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





#43

2,4,6-Trichlorophenol

Concen: 45.612 ng

RT: 9.07 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

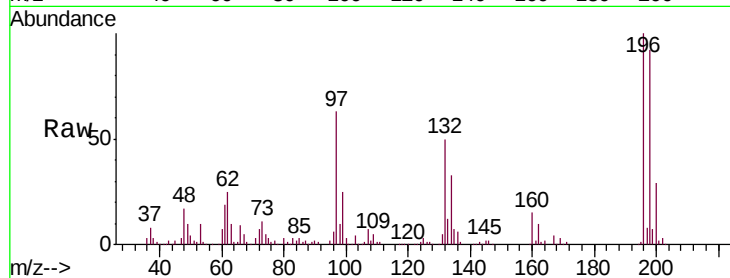
Tgt Ion:196 Resp: 175727

Ion Ratio Lower Upper

196 100

198 92.4 76.3 114.5

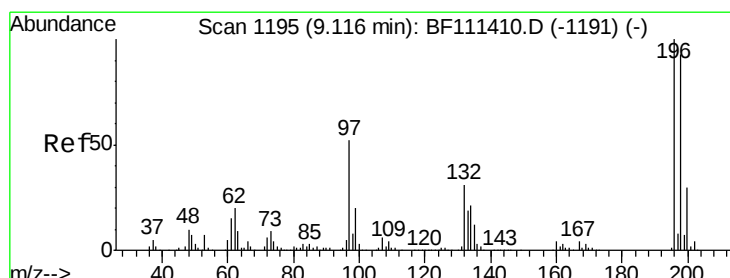
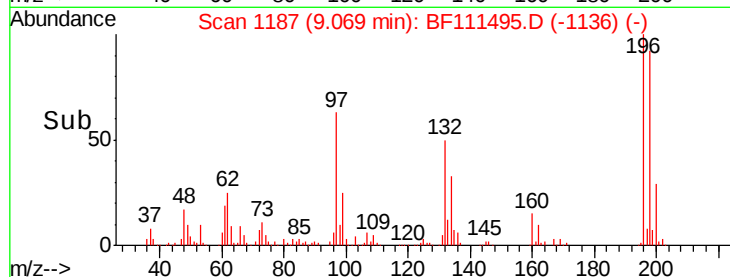
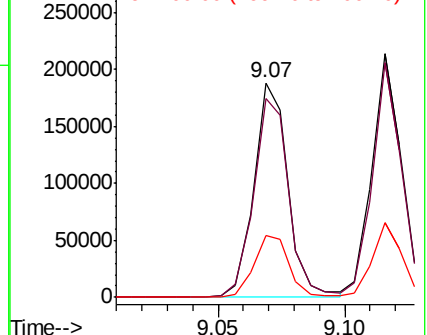
200 28.8 24.9 37.3



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



#44

2,4,5-Trichlorophenol

Concen: 44.482 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Tgt Ion:196 Resp: 182362

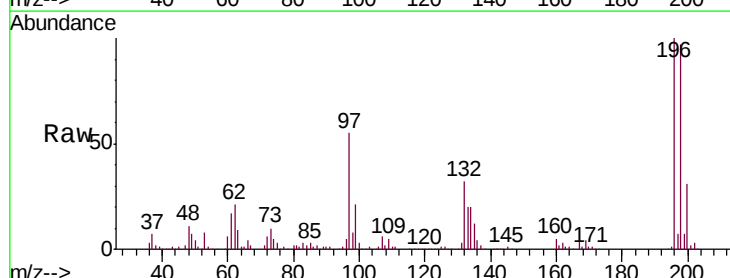
Ion Ratio Lower Upper

196 100

198 96.6 72.9 109.3

97 54.5 45.3 67.9

132 31.5 25.5 38.3

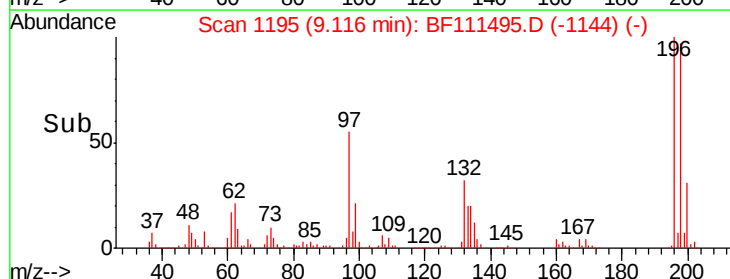
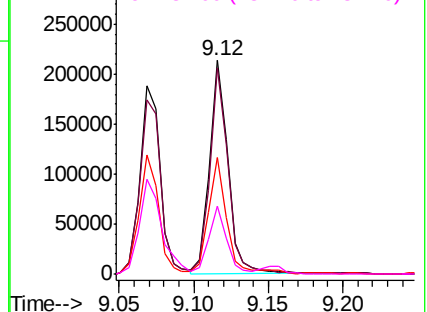


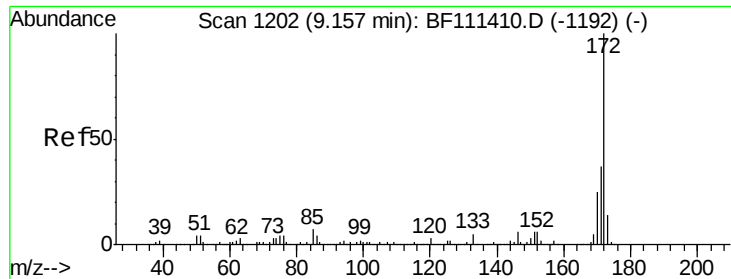
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

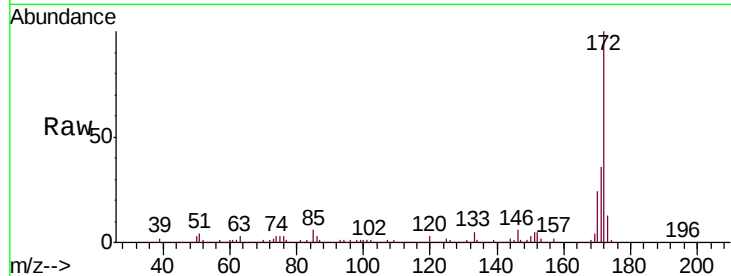




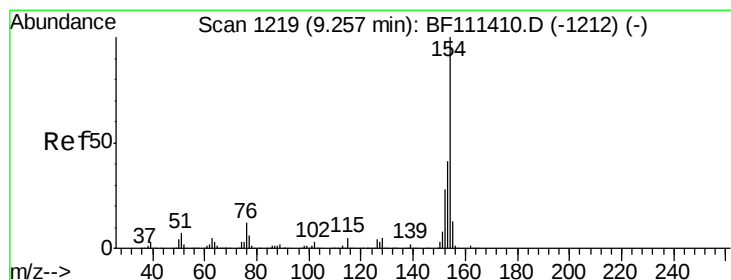
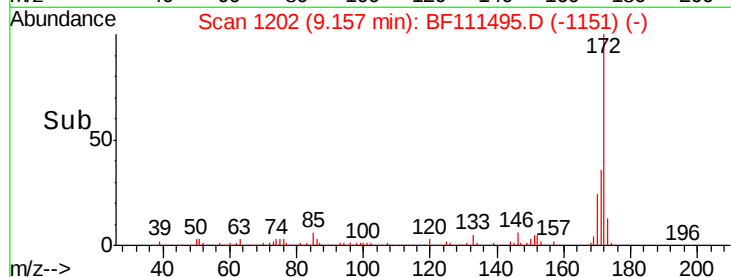
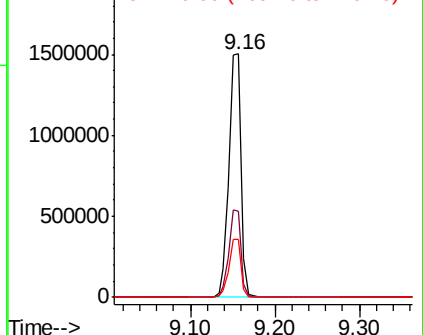
#45
2-Fluorobiphenyl
Concen: 115.024 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tgt Ion:172 Resp: 1478115
Ion Ratio Lower Upper
172 100
171 35.6 33.0 49.4
170 23.7 22.3 33.5

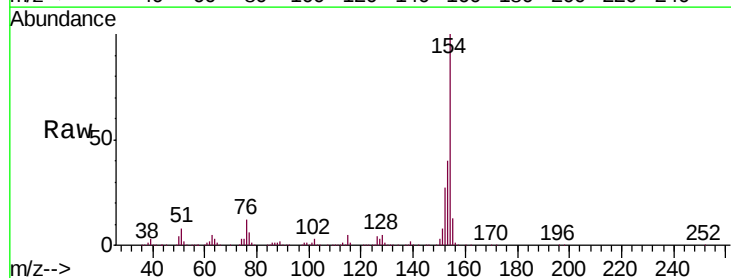


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 46.925 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:154 Resp: 789223
Ion Ratio Lower Upper
154 100
153 40.2 23.7 63.7
76 12.2 0.0 35.0



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): BF1

