

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
 Data File : BF110899.D
 Acq On : 20 Nov 2018 17:28
 Operator : JU/SJ
 Sample : J5996-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOC2-01R

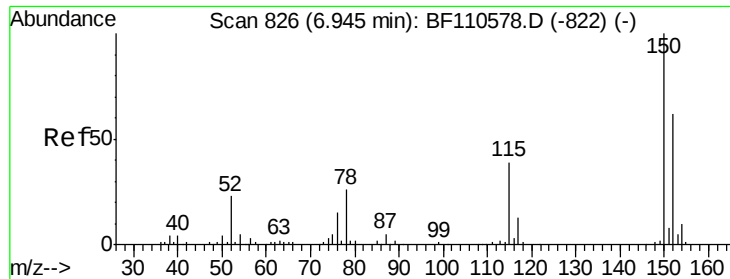
Quant Time: Nov 21 04:23:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	59268	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	240329	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	115283	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	201876	20.00	ng	0.00
76) Chrysene-d12	14.13	240	138218	20.00	ng	0.00
87) Perylene-d12	15.67	264	121494	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	90798	24.88	ng	0.01
7) Phenol-d6	6.58	99	120728	25.87	ng	0.00
23) Nitrobenzene-d5	7.51	82	315906	75.70	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	117966	101.55	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	591928	73.33	ng	0.00
79) Terphenyl-d14	13.06	244	497241	67.37	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	209394	Below Cal		# 1
15) Benzyl Alcohol	7.10	79	17498	4.792	ng	# 71
17) 2-Methylphenol	7.20	107	8969	2.635	ng	# 1
18) Hexachloroethane	7.47	117	139237	79.358	ng	# 1
19) n-Nitroso-di-n-propylamine	7.51	70	43372	14.562	ng	# 81
20) 3+4-Methylphenols	7.36	107	9014	2.063	ng	# 65
22) Acetophenone	7.35	105	21500	3.839	ng	# 96
24) Nitrobenzene	7.50	77	23828	5.573	ng	# 1
25) Isophorone	7.51	82	315906	46.186	ng	# 67
28) bis(2-Chloroethoxy)methane	7.97	93	10329	2.230	ng	# 56
31) Naphthalene	8.25	128	1526184	135.274	ng	# 99
33) 4-Chloroaniline	8.25	127	209996	41.092	ng	# 34
37) 2-Methylnaphthalene	8.94	142	281889	38.114	ng	# 99
38) 1-Methylnaphthalene	8.94	142	281889	39.631	ng	# 97
51) 2,6-Dinitrotoluene	9.98	165	15027	7.941	ng	# 24
67) 4-Bromophenyl-phenylether	10.78	248	7499	3.361	ng	# 1

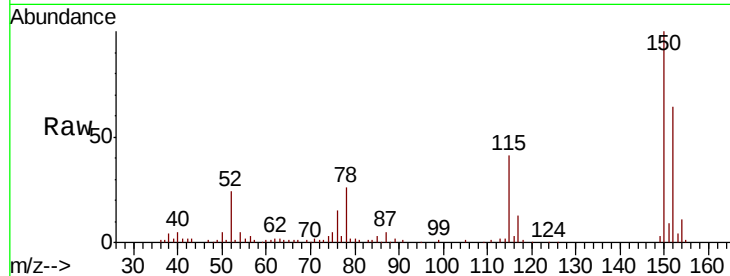
(#) = qualifier out of range (m) = manual integration (+) = signals summed



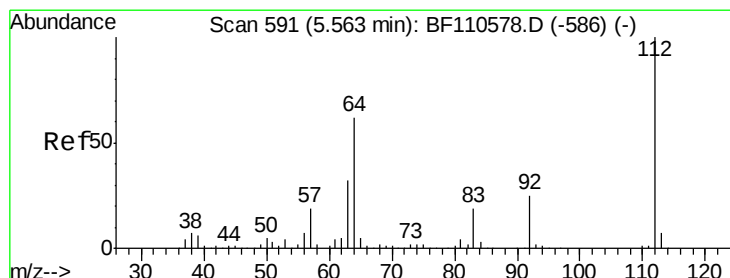
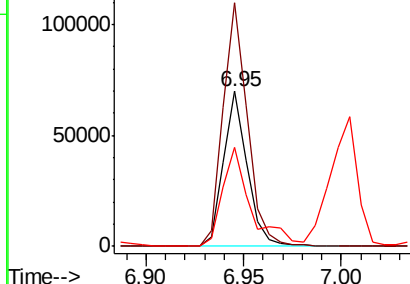
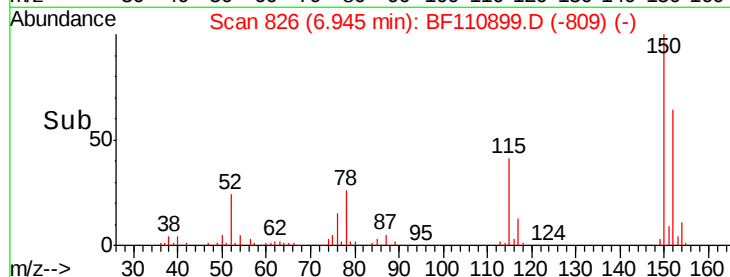
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110899.D
 Acq: 20 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampled :
 AOC2-01R

Tgt Ion:152 Resp: 59268
 Ion Ratio Lower Upper
 152 100
 150 156.9 122.7 184.1
 115 63.8 49.1 73.7

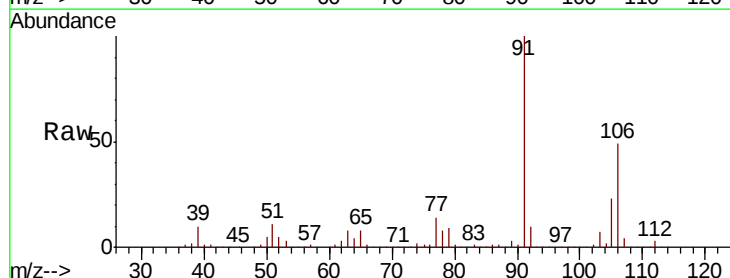


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

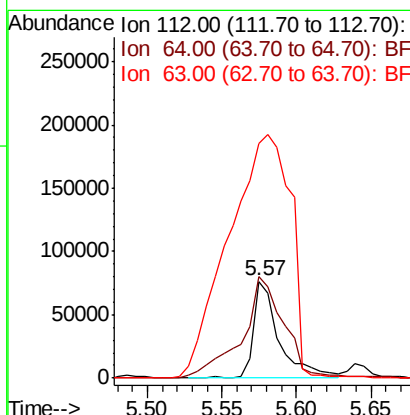
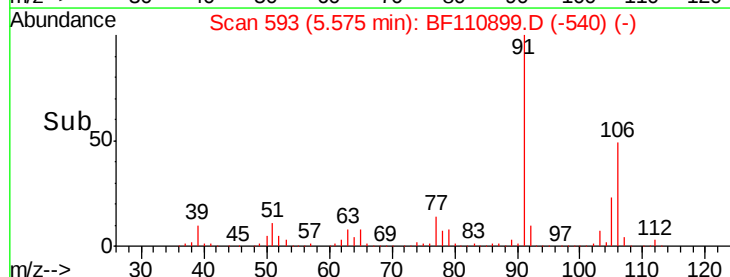


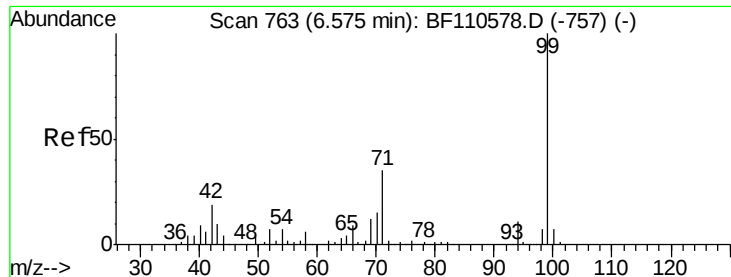
#5
 2-Fluorophenol
 Concen: 24.884 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.01 min
 Lab File: BF110899.D
 Acq: 20 Nov 2018 17:28

Tgt Ion:112 Resp: 90798
 Ion Ratio Lower Upper
 112 100
 64 105.6 44.1 66.1#
 63 242.8 23.7 35.5#



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





#7

Phenol-d6

Concen: 25.874 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

Instrument :

BNA_F

ClientSampled :

AOC2-01R

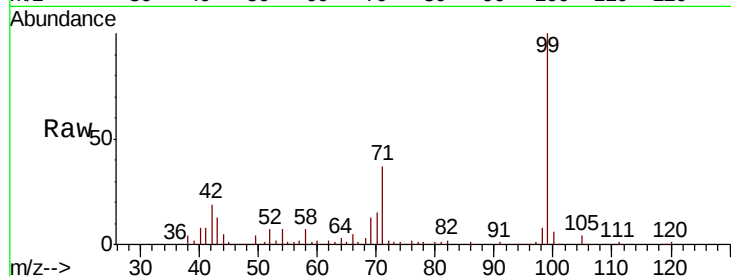
Tgt Ion: 99 Resp: 120728

Ion Ratio Lower Upper

99 100

42 19.2 15.8 23.6

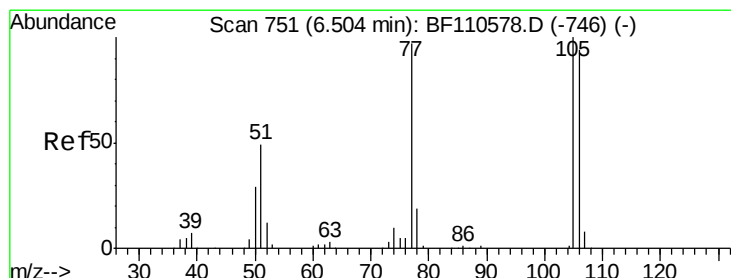
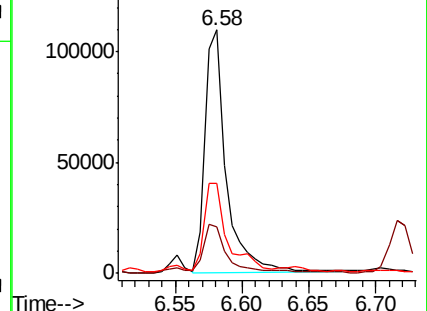
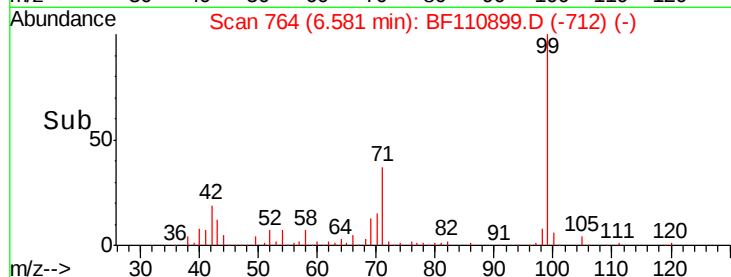
71 36.8 28.0 42.0



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

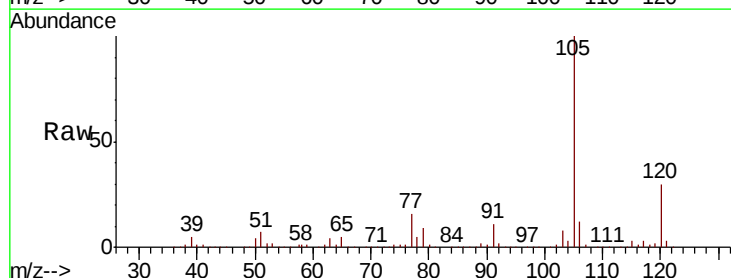
Tgt Ion: 77 Resp: 209394

Ion Ratio Lower Upper

77 100

105 634.9 78.6 118.6#

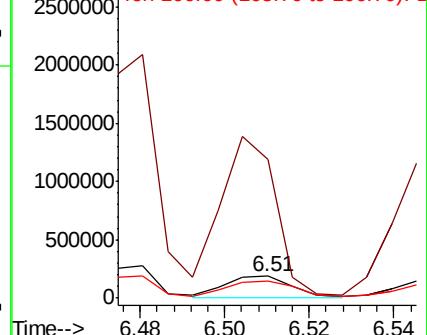
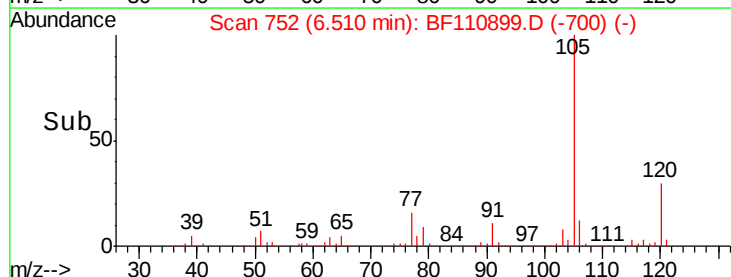
106 78.7 74.8 114.8

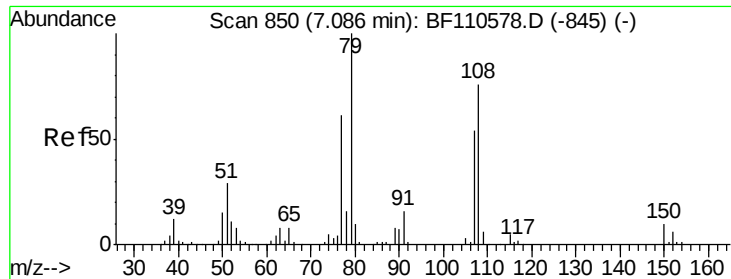


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 4.792 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

AOC2-01R

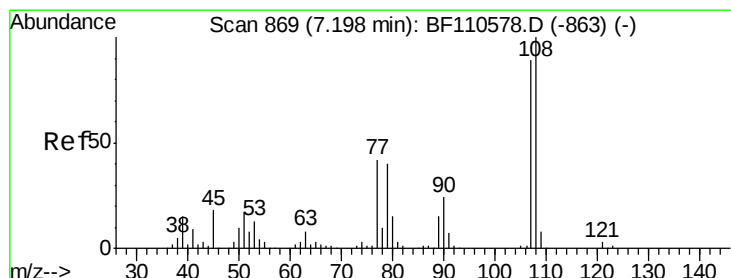
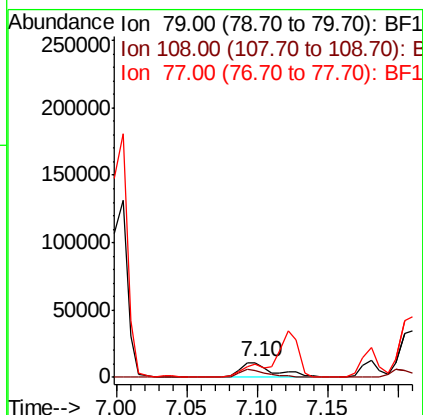
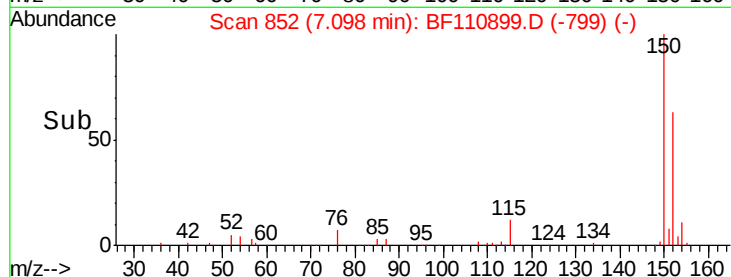
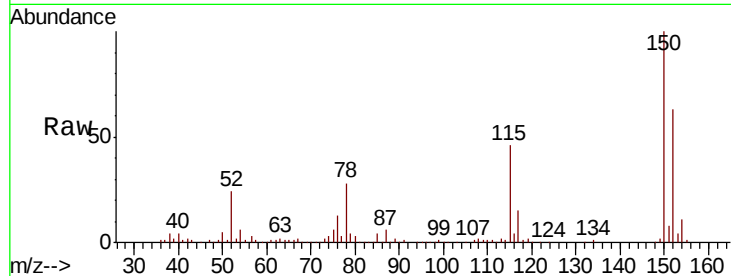
Tgt Ion: 79 Resp: 17498

Ion Ratio Lower Upper

79 100

108 49.6 56.3 84.5#

77 91.5 52.9 79.3#



#17

2-Methylphenol

Concen: 2.635 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

Tgt Ion: 107 Resp: 8969

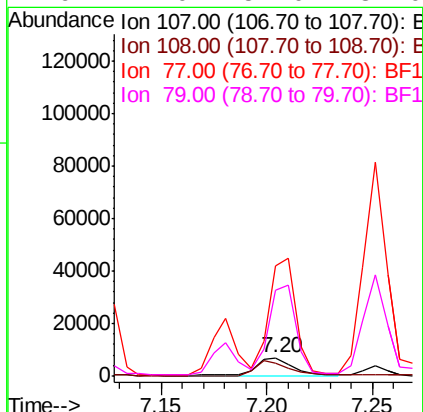
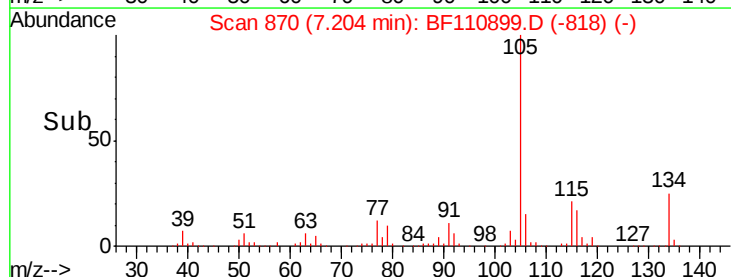
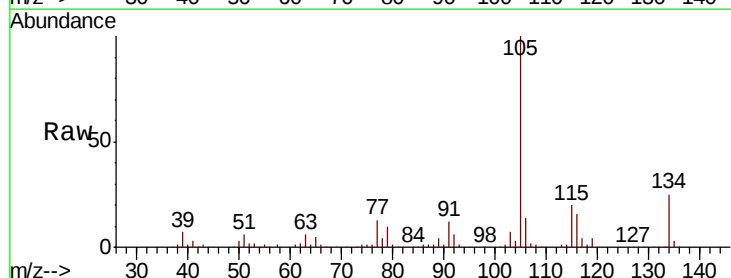
Ion Ratio Lower Upper

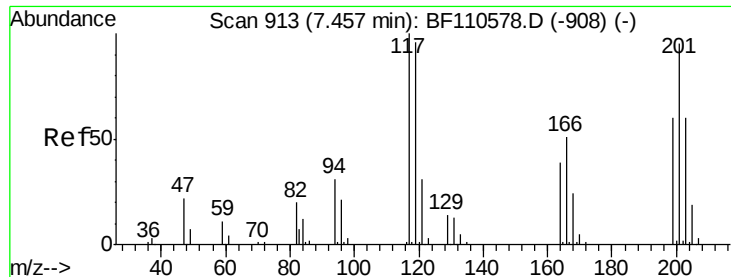
107 100

108 70.4 92.6 138.8#

77 608.2 59.4 89.2#

79 477.0 54.0 81.0#

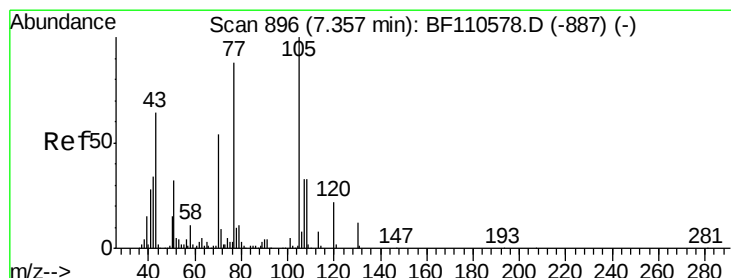
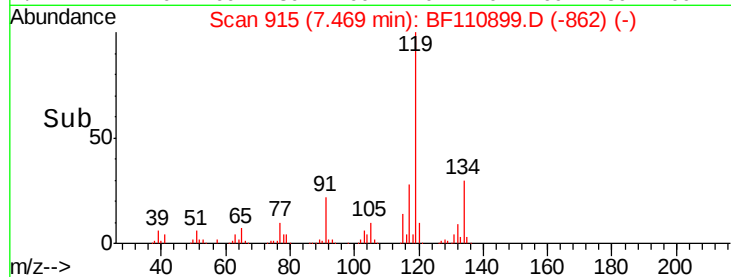
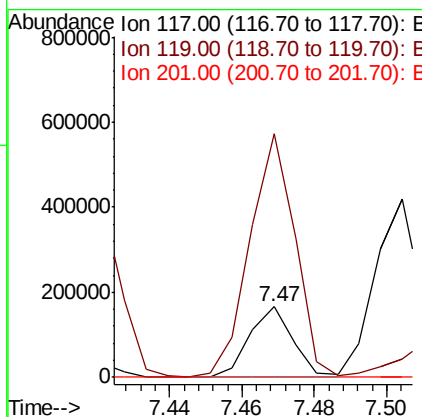
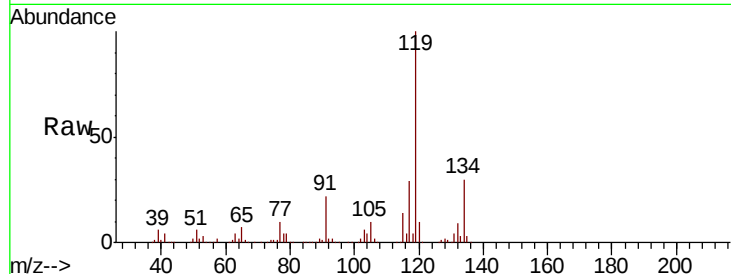




#18
Hexachloroethane
Concen: 79.358 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.01 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

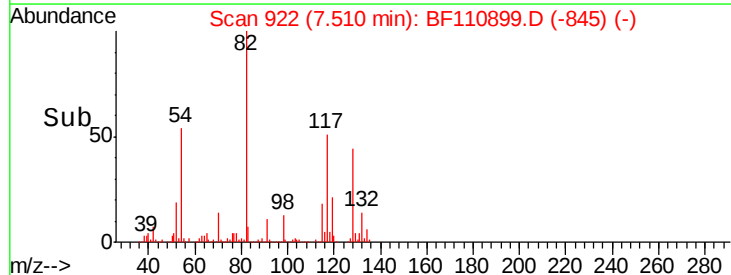
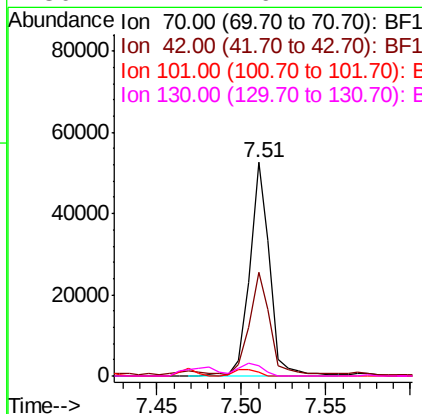
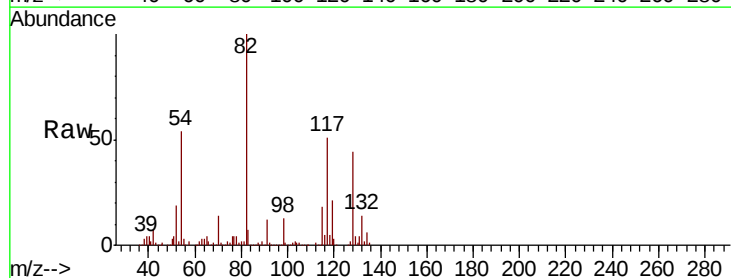
Instrument :
BNA_F
ClientSampleId :
AOC2-01R

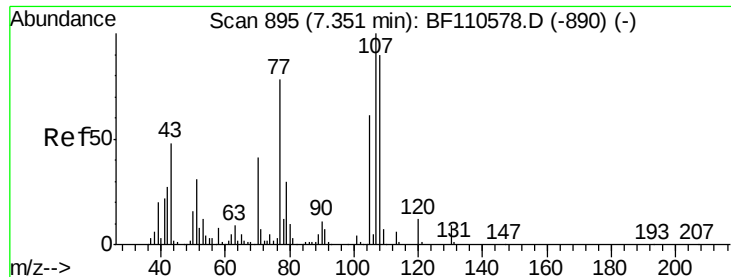
Tgt Ion: 117 Resp: 139237
Ion Ratio Lower Upper
117 100
119 346.8 75.0 112.6#
201 0.0 79.2 118.8#



#19
n-Nitroso-di-n-propylamine
Concen: 14.562 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

Tgt Ion: 70 Resp: 43372
Ion Ratio Lower Upper
70 100
42 48.6 47.4 71.2
101 2.0 7.3 10.9#
130 4.7 16.2 24.2#

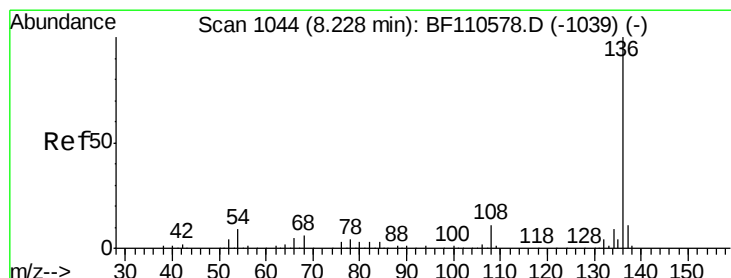
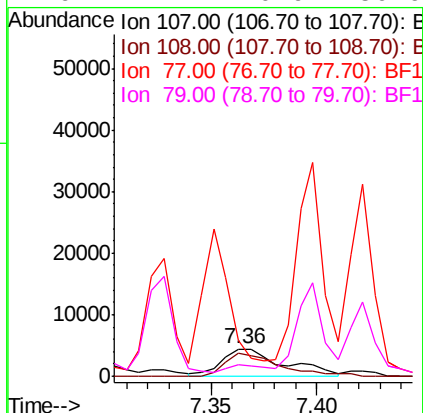
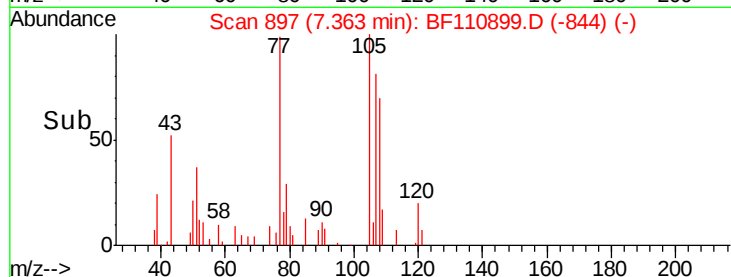
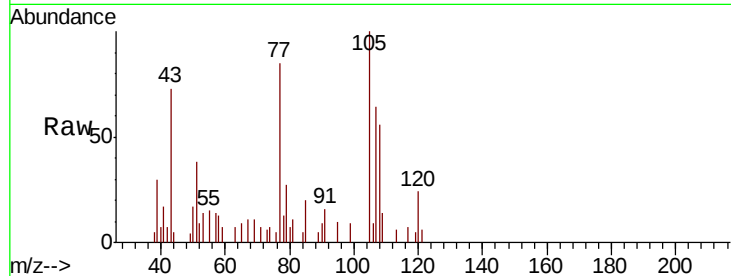




#20
3+4-Methylphenols
Concen: 2.063 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

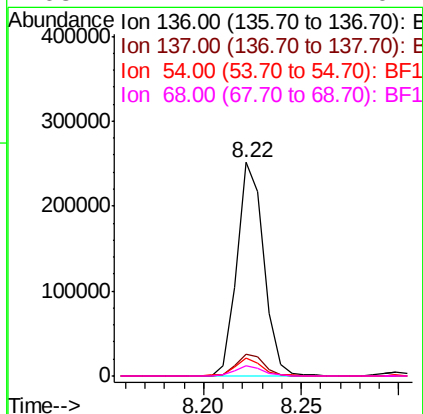
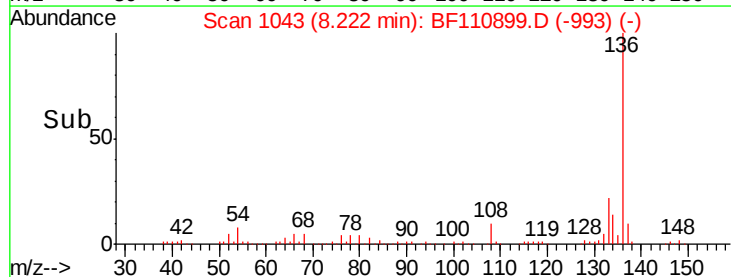
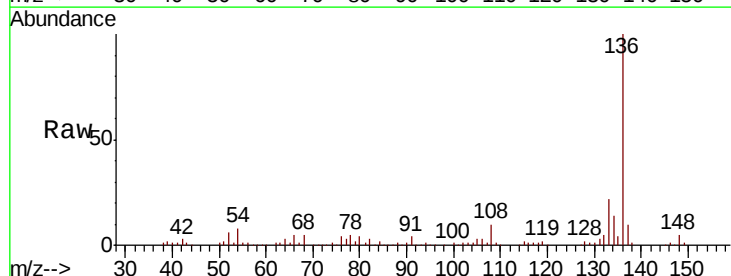
Instrument :
BNA_F
ClientSampleId :
AOC2-01R

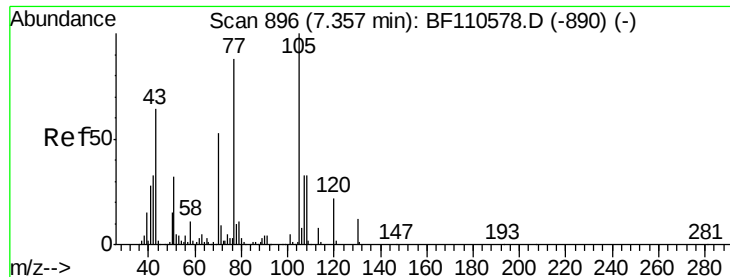
Tgt Ion:107 Resp: 9014
Ion Ratio Lower Upper
107 100
108 86.7 71.4 111.4
77 132.6 47.3 87.3#
79 42.2 10.9 50.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

Tgt Ion:136 Resp: 240329
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 8.3 5.4 8.2#
68 4.7 4.2 6.2





#22

Acetophenone

Concen: 3.839 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

AOC2-01R

Tgt Ion: 105 Resp: 21500

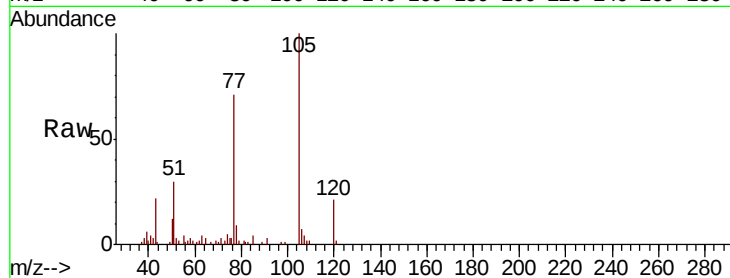
Ion Ratio Lower Upper

105 100

71 3.3 5.2 7.8#

51 29.6 21.8 32.8

120 20.8 17.0 25.4

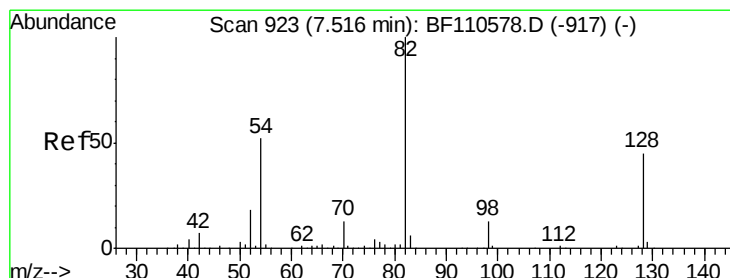
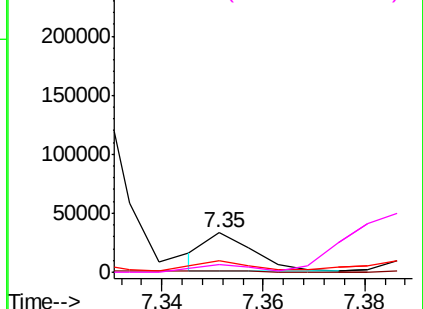
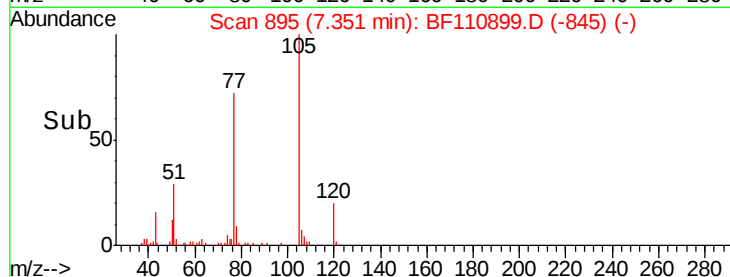


Abundance Ion 105.00 (104.70 to 105.70): E

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: 75.700 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

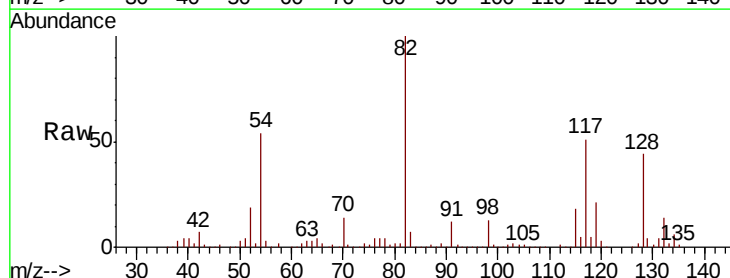
Tgt Ion: 82 Resp: 315906

Ion Ratio Lower Upper

82 100

128 44.2 34.2 51.2

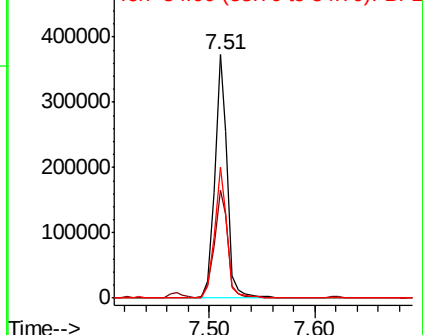
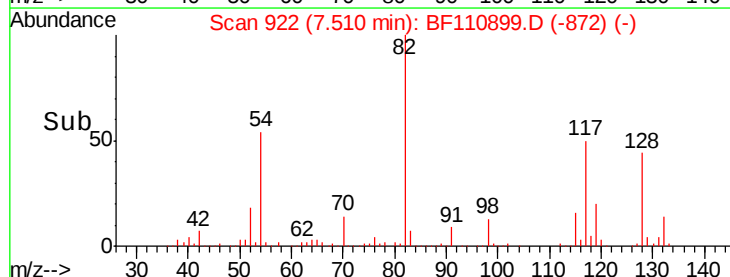
54 54.1 38.6 58.0

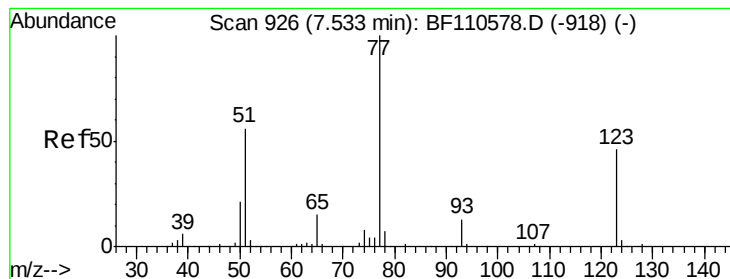


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 5.573 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.03 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

AOC2-01R

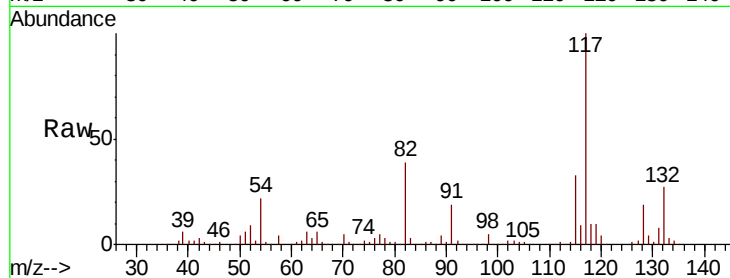
Tgt Ion: 77 Resp: 23828

Ion Ratio Lower Upper

77 100

123 0.0 35.7 53.5#

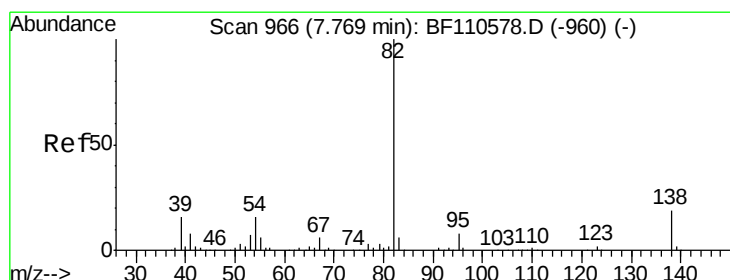
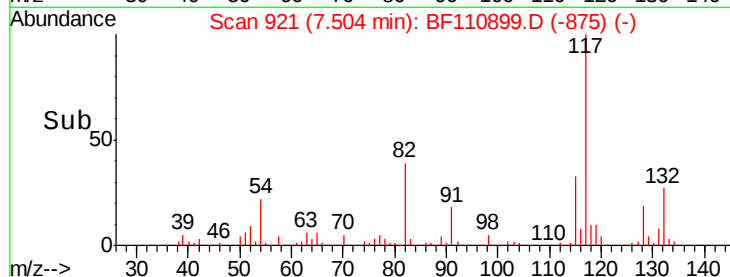
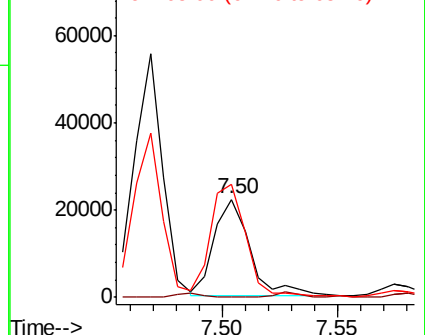
65 115.5 10.7 16.1#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 46.186 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

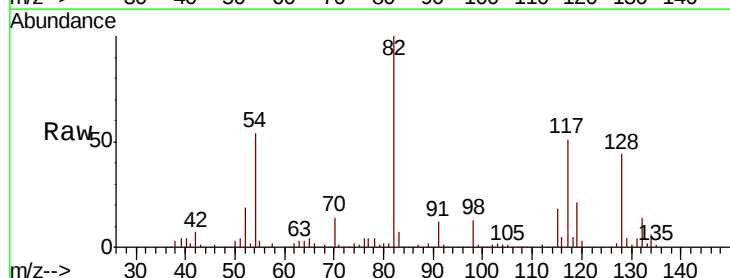
Tgt Ion: 82 Resp: 315906

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

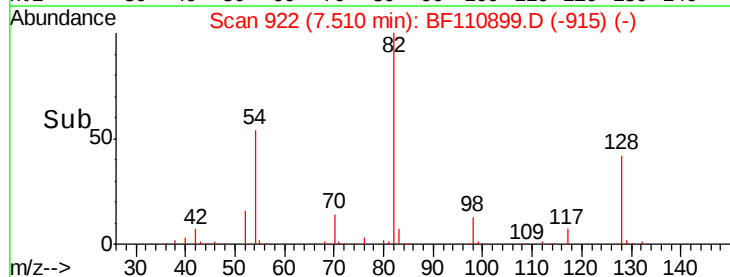
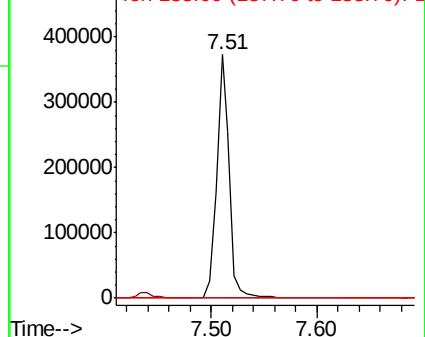
138 0.0 13.2 19.8#

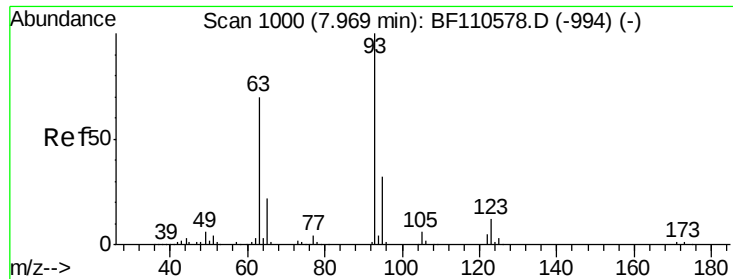


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

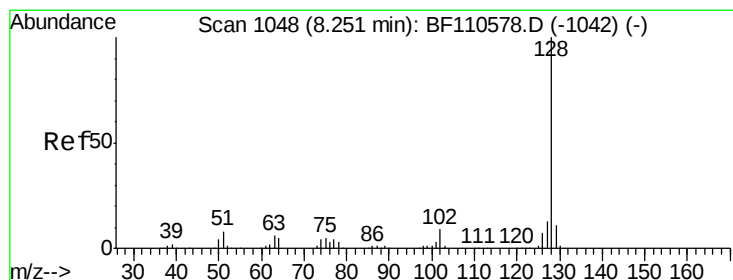
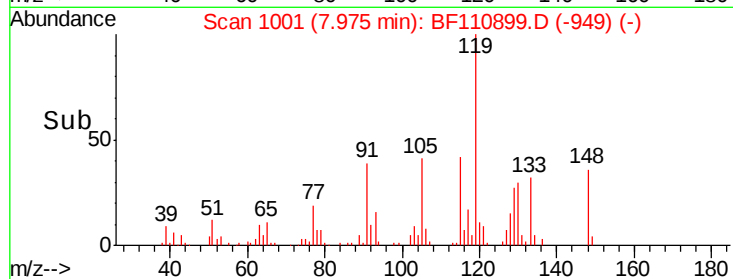
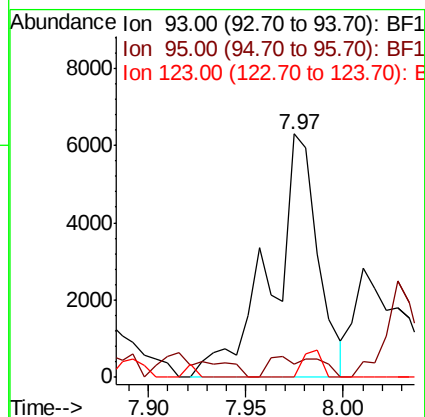
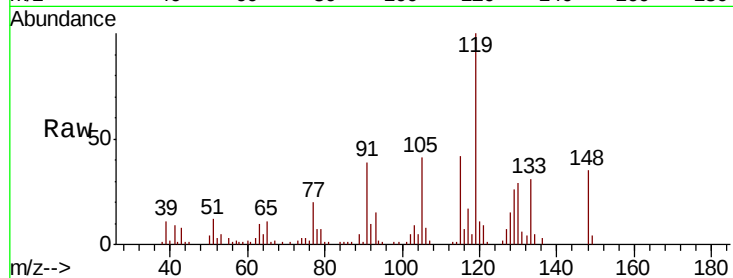




#28
bis(2-Chloroethoxy)methane
Concen: 2.230 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.01 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

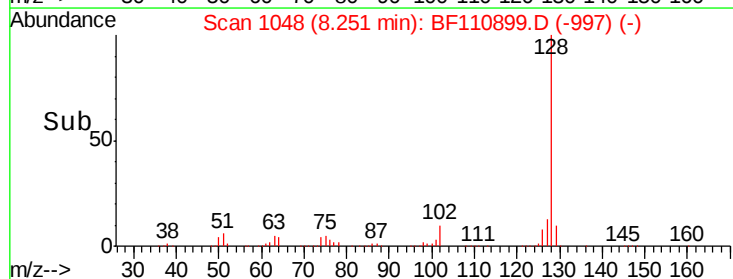
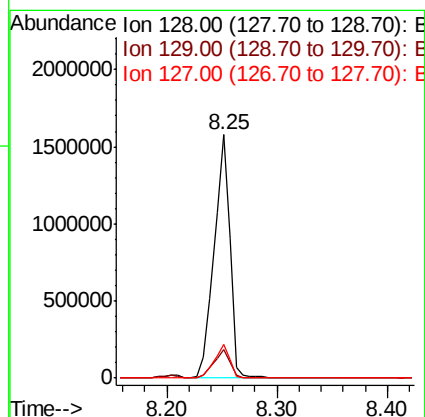
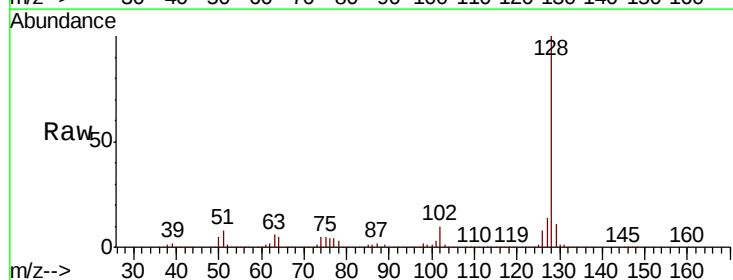
Instrument :
BNA_F
ClientSampleId :
AOC2-01R

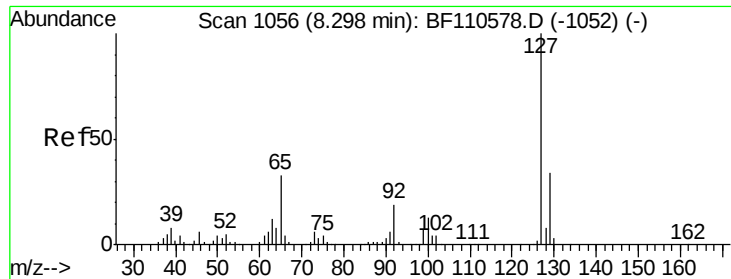
Tgt Ion: 93 Resp: 10329
Ion Ratio Lower Upper
93 100
95 5.6 26.4 39.6#
123 0.0 9.0 13.6#



#31
Naphthalene
Concen: 135.274 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

Tgt Ion: 128 Resp: 1526184
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.9 10.8 16.2

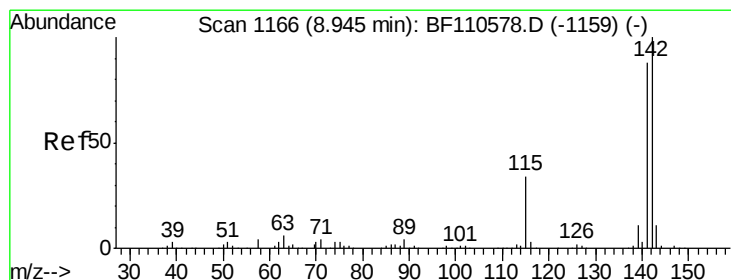
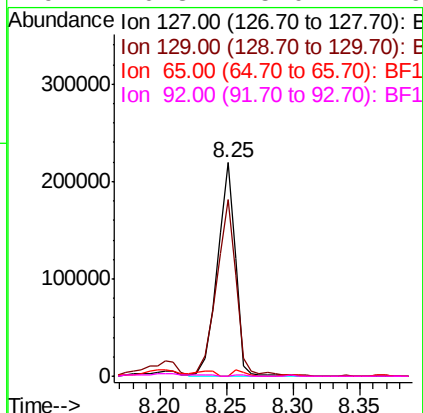
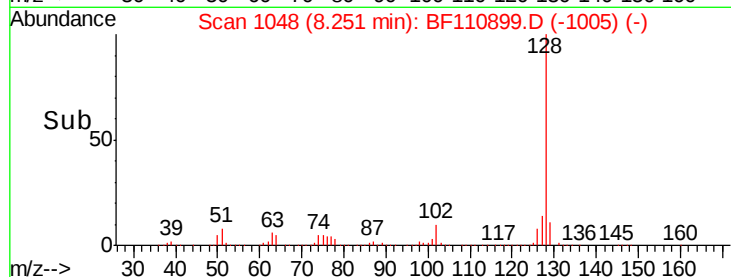
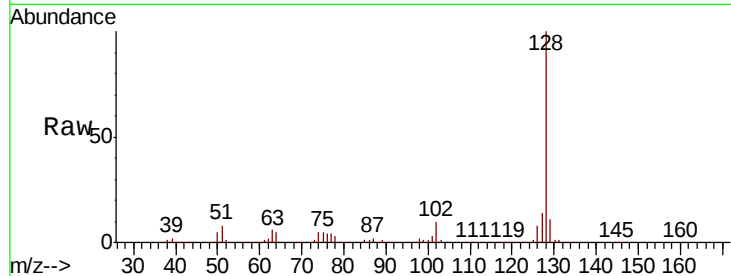




#33
4-Chloroaniline
Concen: 41.092 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.05 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

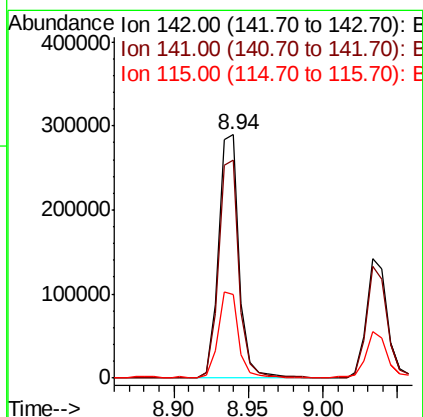
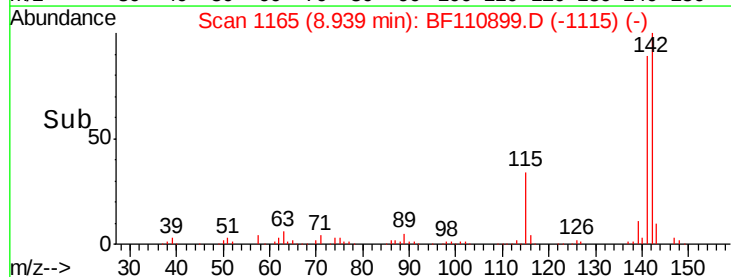
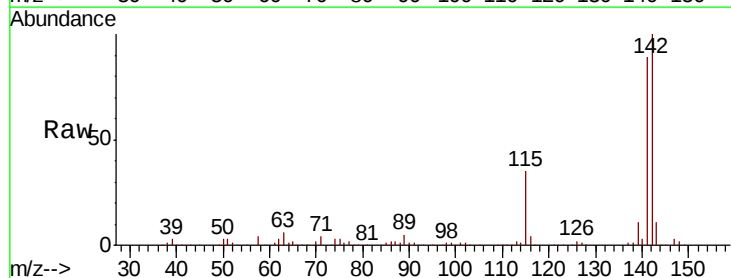
Instrument :
BNA_F
ClientSampleId :
AOC2-01R

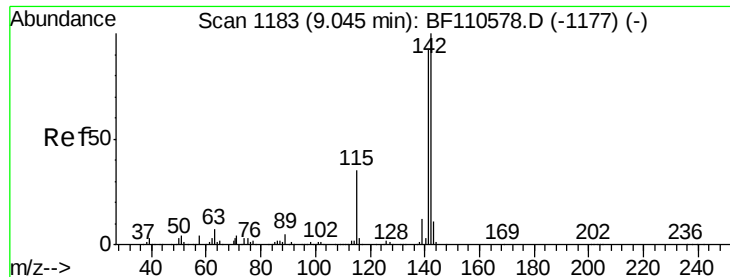
Tgt Ion:	127	Resp:	209996
Ion	Ratio	Lower	Upper
127	100		
129	82.8	26.0	39.0#
65	0.0	25.1	37.7#
92	0.3	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 38.114 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

Tgt Ion:	142	Resp:	281889
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.2
115	34.6	28.7	43.1

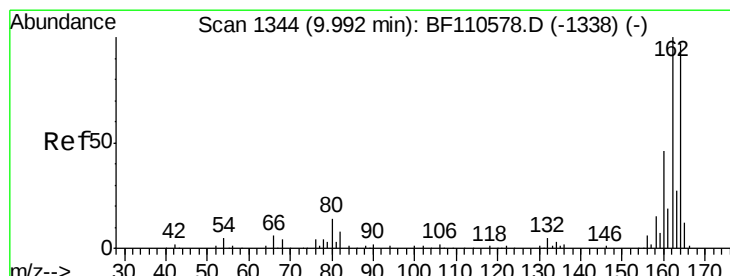
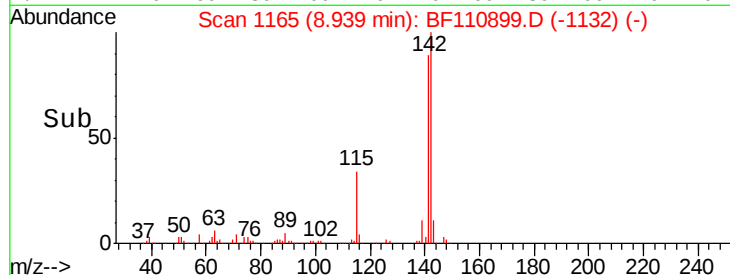
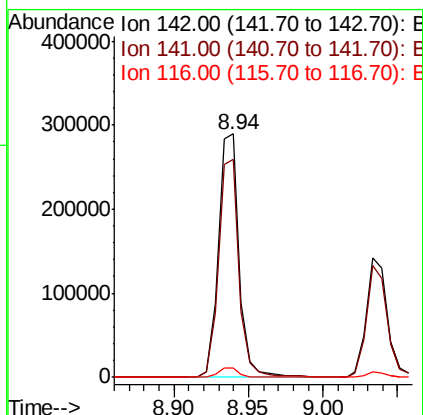
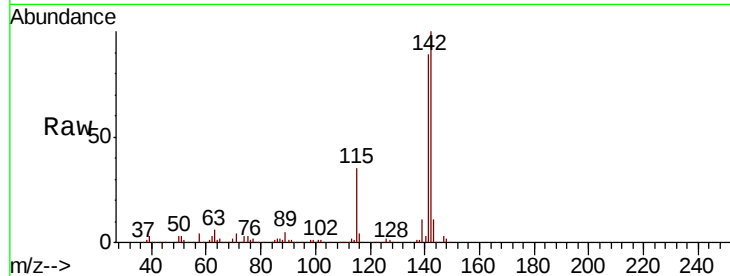




#38
1-Methylnaphthalene
Concen: 39.631 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.11 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

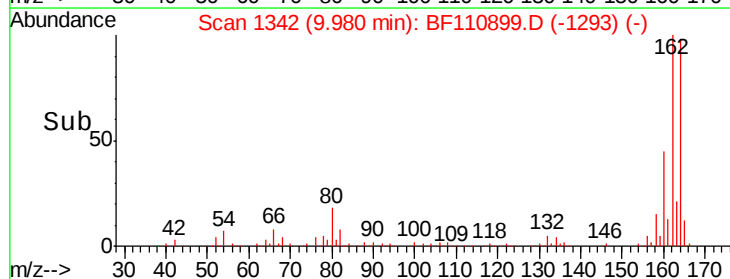
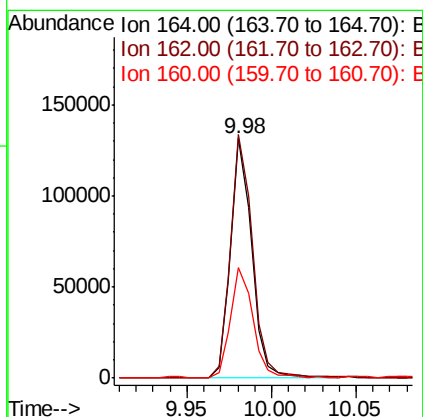
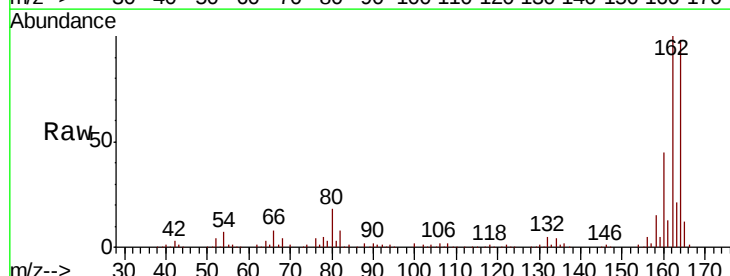
Instrument :
BNA_F
ClientSampleId :
AOC2-01R

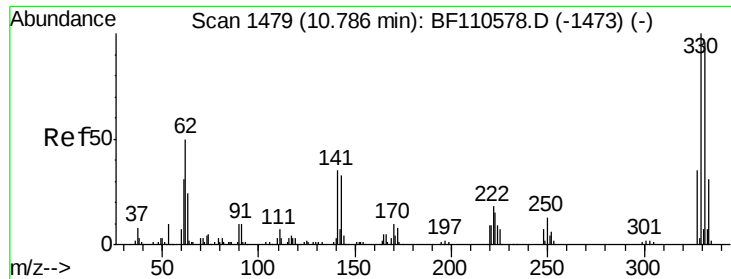
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	74.2	111.4
116	3.6	2.6	4.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110899.D
Acq: 20 Nov 2018 17:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	83.0	124.6
160	46.2	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 101.553 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

AOC2-01R

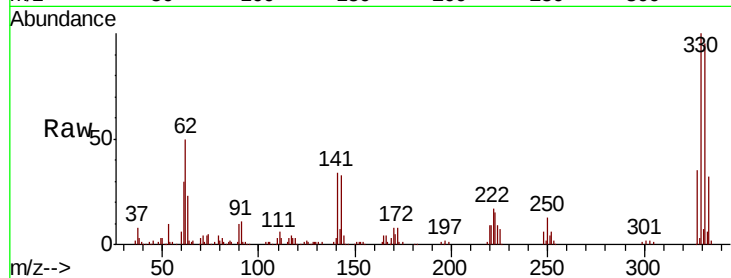
Tgt Ion:330 Resp: 117966

Ion Ratio Lower Upper

330 100

332 94.9 77.1 115.7

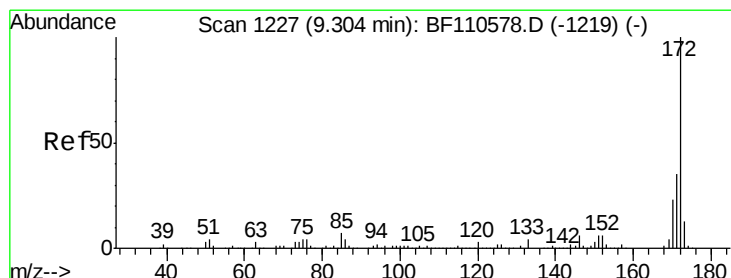
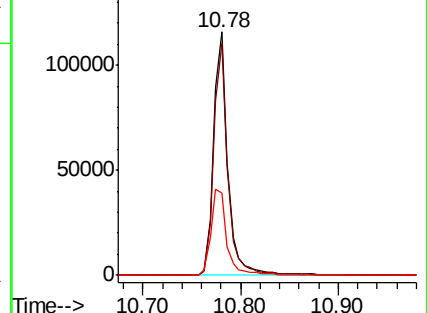
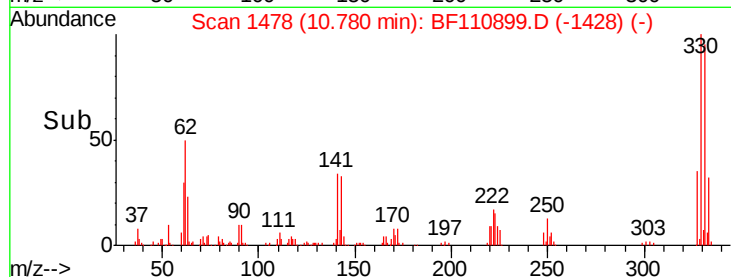
141 39.2 27.0 40.4



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



#45

2-Fluorobiphenyl

Concen: 73.331 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

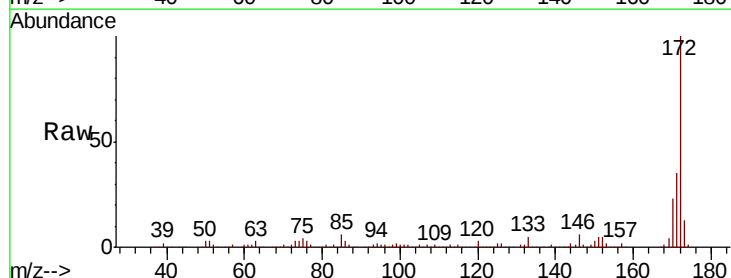
Tgt Ion:172 Resp: 591928

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

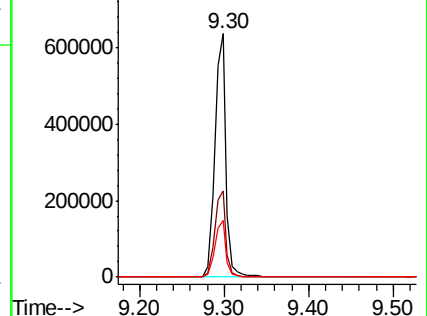
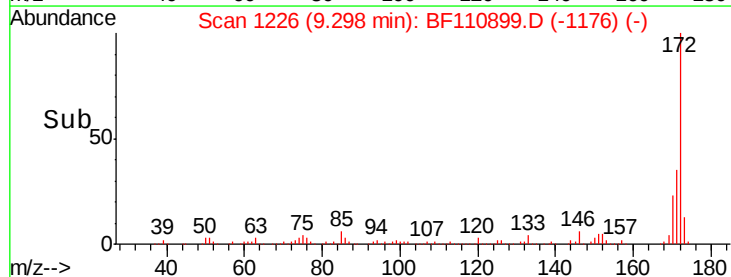
170 23.4 19.7 29.5

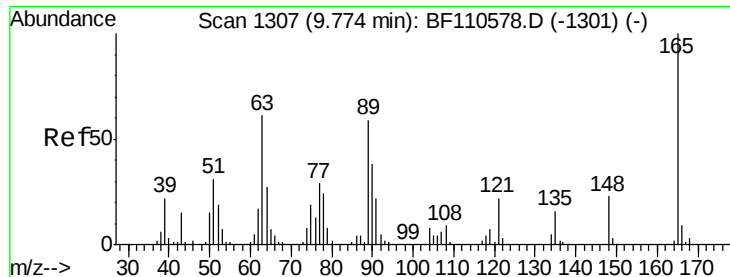


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

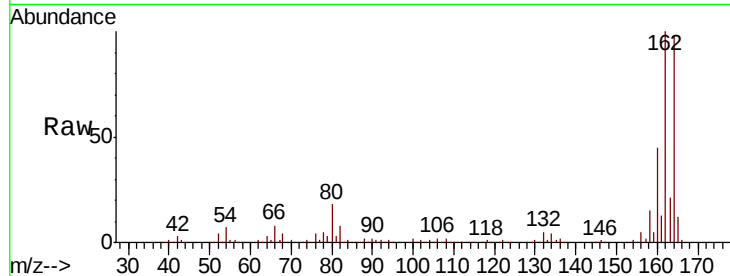




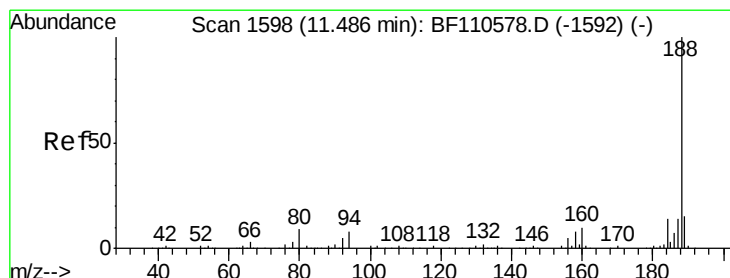
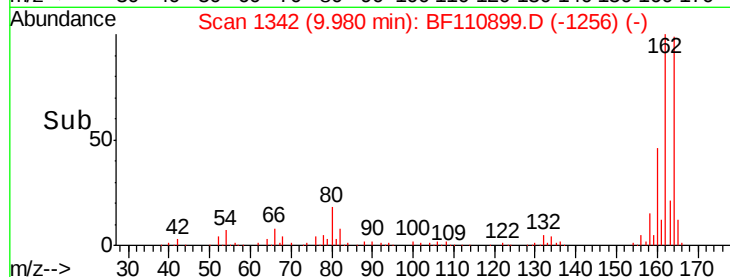
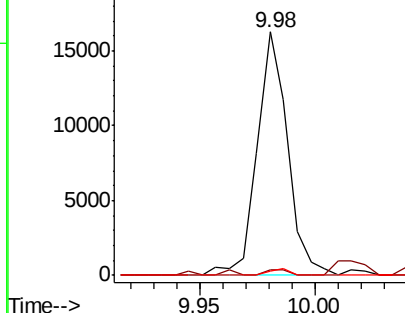
#51
 2,6-Dinitrotoluene
 Concen: 7.941 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110899.D
 Acq: 20 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 AOC2-01R

Tgt Ion:165 Resp: 15027
 Ion Ratio Lower Upper
 165 100
 63 2.4 48.9 73.3#
 89 2.0 46.6 69.8#

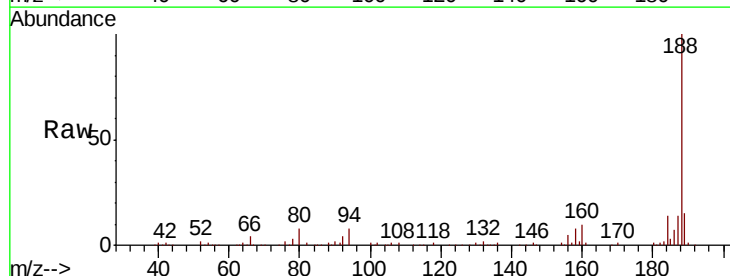


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

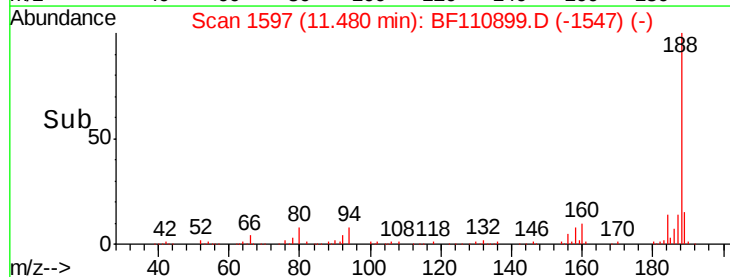
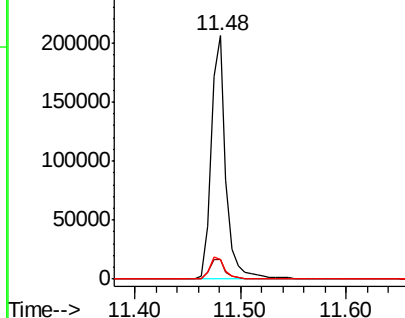


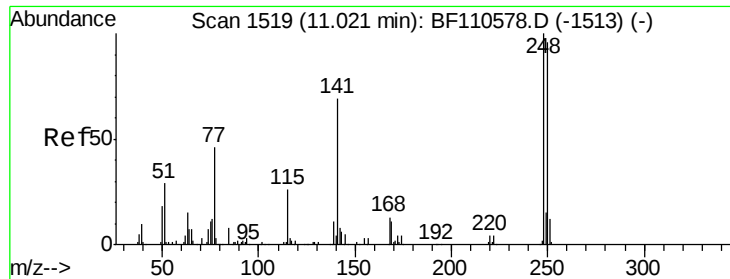
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110899.D
 Acq: 20 Nov 2018 17:28

Tgt Ion:188 Resp: 201876
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.2 10.8
 80 8.0 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

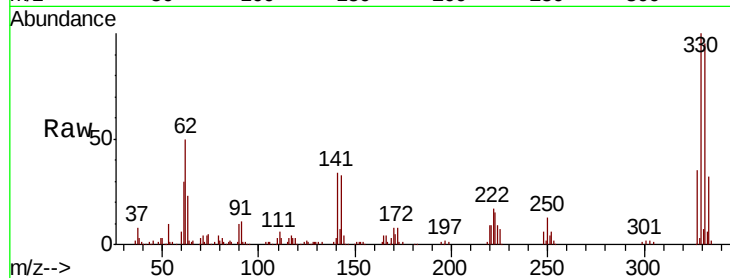




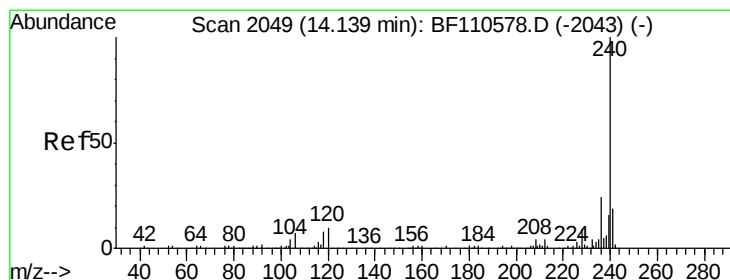
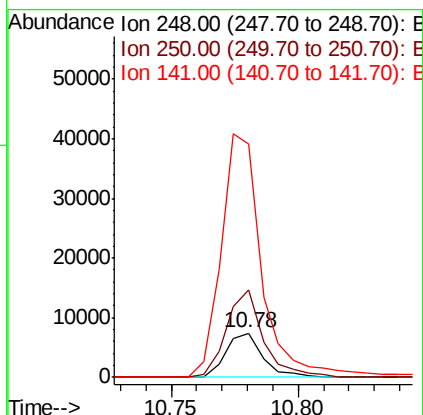
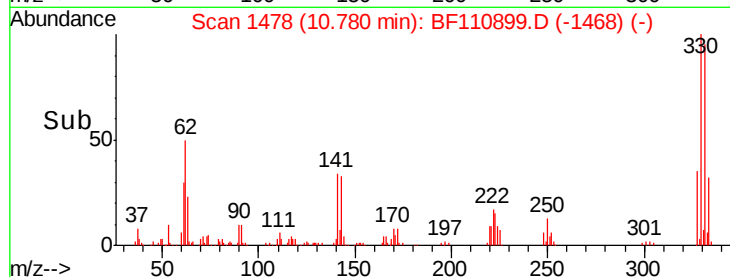
#67
 4-Bromophenyl-phenylether
 Concen: 3.361 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110899.D
 Acq: 20 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampled :
 AOC2-01R

Tgt Ion:248 Resp: 7499
 Ion Ratio Lower Upper
 248 100
 250 197.2 79.4 119.2#
 141 526.0 55.9 83.9#

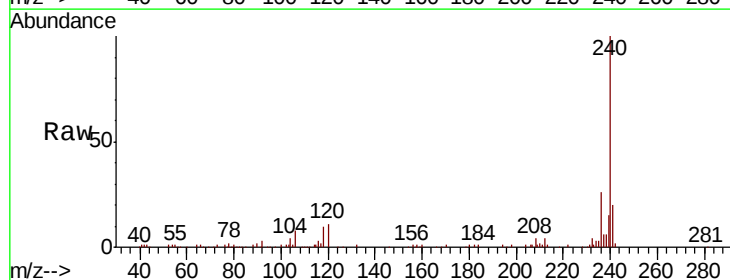


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

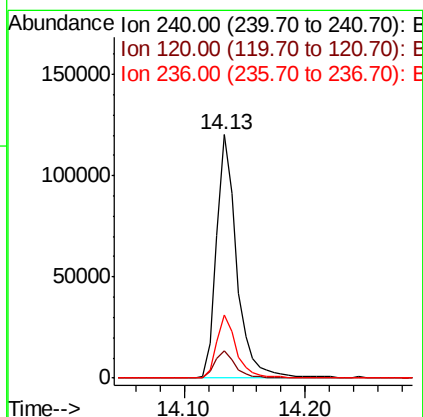
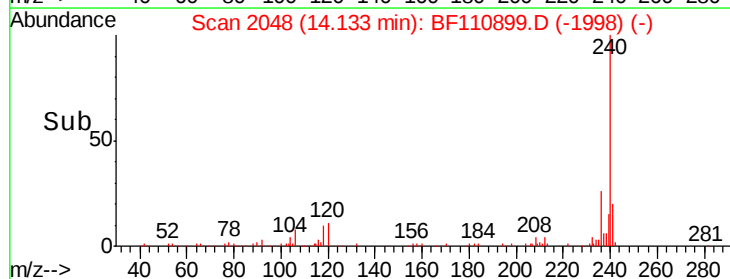


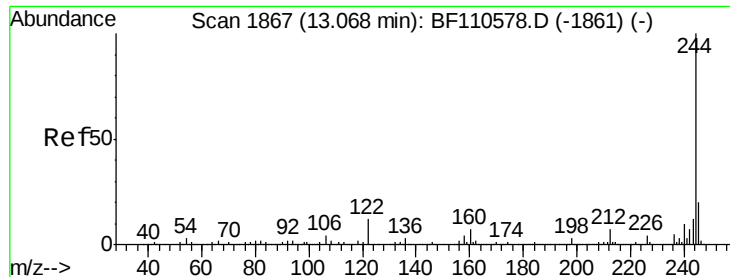
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110899.D
 Acq: 20 Nov 2018 17:28

Tgt Ion:240 Resp: 138218
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.3 12.5
 236 25.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 67.373 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

AOC2-01R

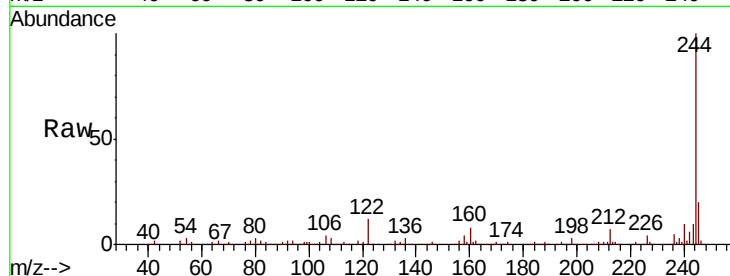
Tgt Ion:244 Resp: 497241

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

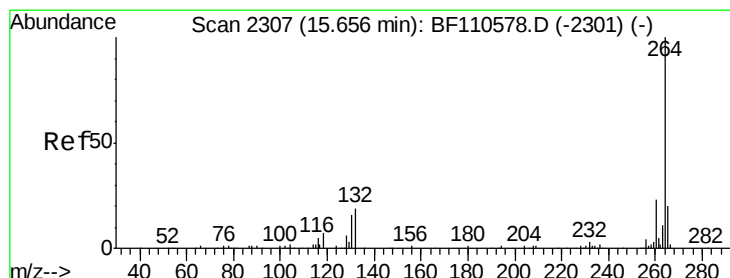
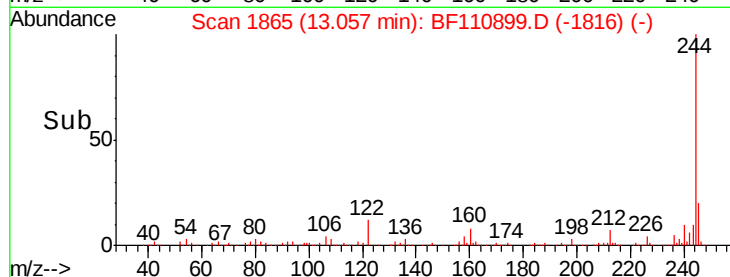
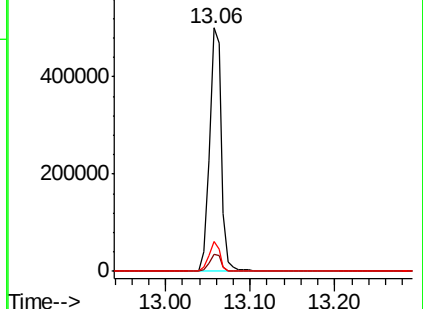
122 12.5 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110899.D

Acq: 20 Nov 2018 17:28

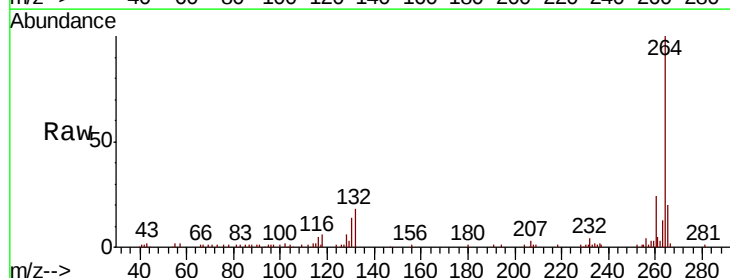
Tgt Ion:264 Resp: 121494

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 20.3 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

