

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111881.D
 Acq On : 7 Jan 2019 17:26
 Operator : JU/SJ
 Sample : K1053-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 04:04:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	141672	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	420626	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	234356	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	389009	20.00	ng	0.00
76) Chrysene-d12	14.05	240	322763	20.00	ng	0.00
87) Perylene-d12	15.53	264	365697	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	471099	56.89	ng	0.00
7) Phenol-d6	6.55	99	374631	35.10	ng	0.02
23) Nitrobenzene-d5	7.45	82	717301	91.14	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	315083	103.36	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1263415	78.61	ng	0.00
79) Terphenyl-d14	13.00	244	1149998	67.63	ng	0.00

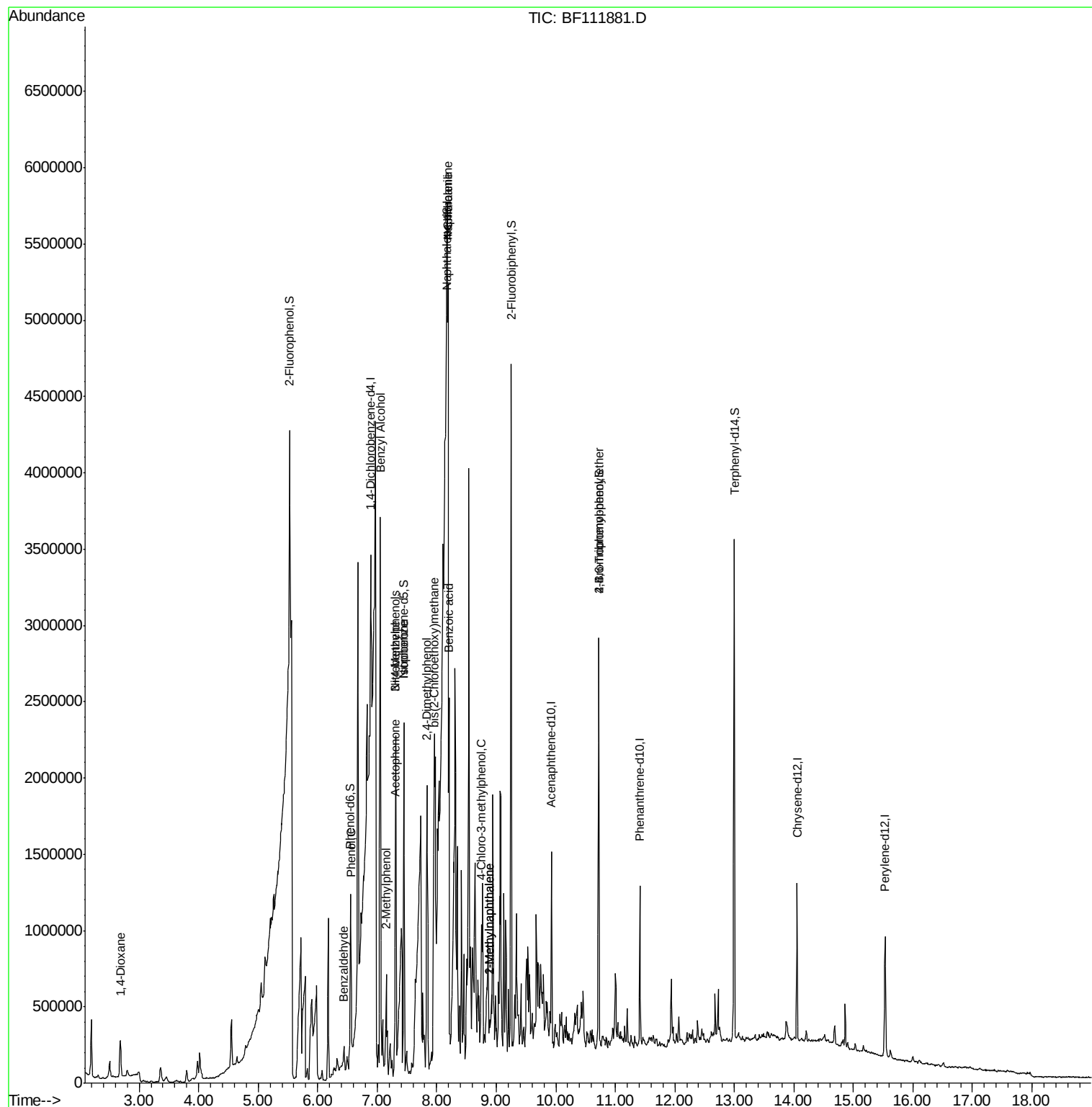
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.68	88	25121	6.938	ng	# 1
9) Benzaldehyde	6.44	77	29766	3.062	ng	97
10) Phenol	6.56	94	166120	14.320	ng	# 75
15) Benzyl Alcohol	7.05	79	188763	22.353	ng	97
17) 2-Methylphenol	7.15	107	79641	10.776	ng	97
20) 3+4-Methylphenols	7.31	107	606472	65.938	ng	# 68
22) Acetophenone	7.30	105	31999	3.005	ng	# 23
24) Nitrobenzene	7.31	77	227060	28.520	ng	# 43
25) Isophorone	7.45	82	718012	56.340	ng	# 65
27) 2,4-Dimethylphenol	7.83	122	446309	78.743	ng	98
28) bis(2-Chloroethoxy)methane	7.95	93	22367	2.629	ng	# 36
31) Naphthalene	8.19	128	182583	9.144	ng	# 92
32) Benzoic acid	8.21	122	354698	96.434	ng	99
33) 4-Chloroaniline	8.19	127	22124	2.563	ng	# 46
36) 4-Chloro-3-methylphenol	8.75	107	55558	8.574	ng	# 21
37) 2-Methylnaphthalene	8.89	142	41472	3.352	ng	98
38) 1-Methylnaphthalene	8.89	142	41472	3.495	ng	94
67) 4-Bromophenyl-phenylether	10.72	248	19285	3.827	ng	# 1

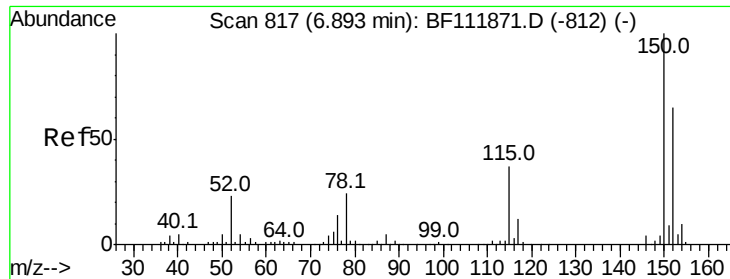
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111881.D
Acq On : 7 Jan 2019 17:26
Operator : JU/SJ
Sample : K1053-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 08 04:04:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration



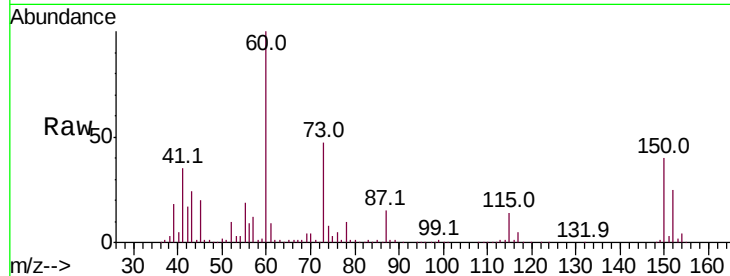


#1

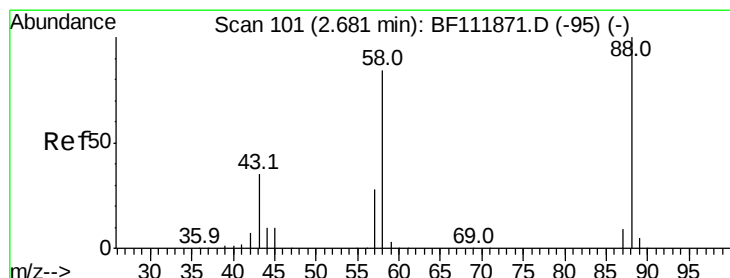
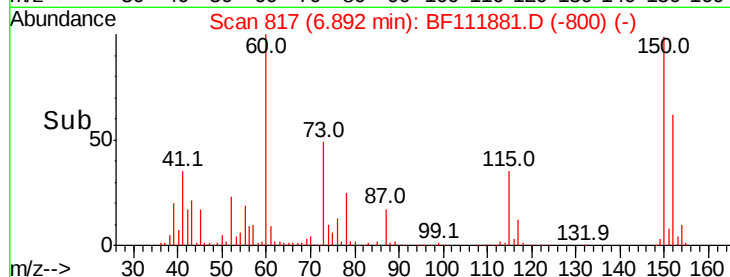
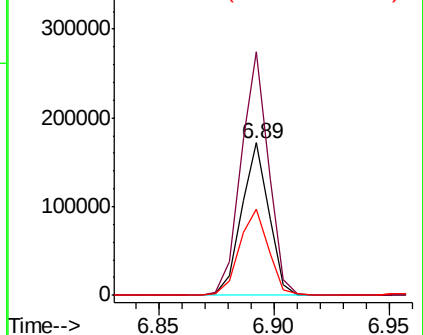
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141672
Ion Ratio Lower Upper
152 100
150 159.7 122.7 184.1
115 56.9 45.2 67.8



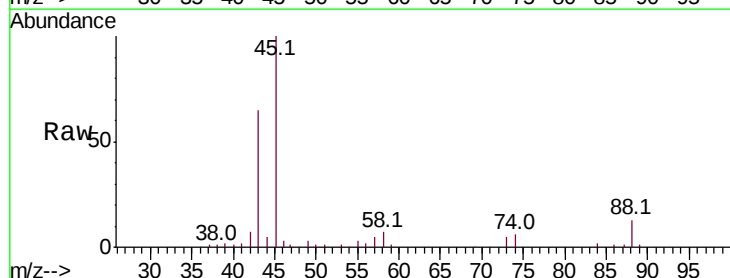
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



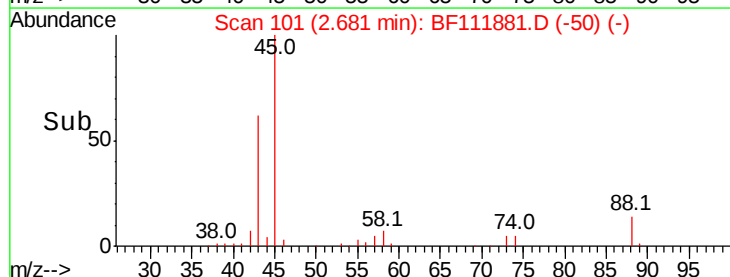
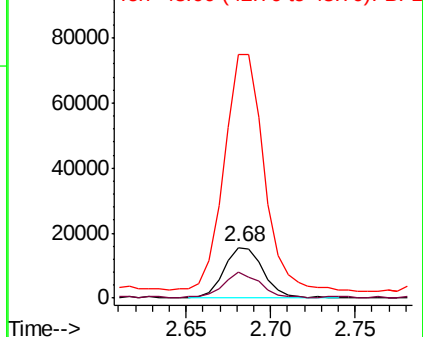
#2

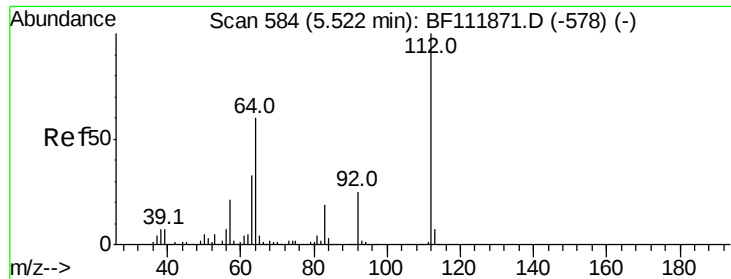
1,4-Dioxane
Concen: 6.938 ng
RT: 2.68 min Scan# 101
Delta R.T. -0.00 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Tgt Ion: 88 Resp: 25121
Ion Ratio Lower Upper
88 100
58 50.0 67.6 101.4#
43 475.4 29.0 43.6#



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





#5

2-Fluorophenol

Concen: 56.889 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

Instrument :
BNA_F
ClientSampleId :

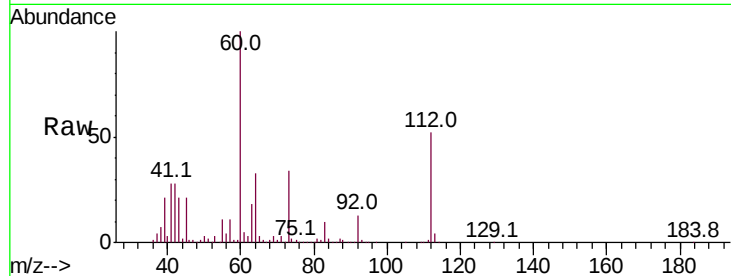
Tot Ion:112 Resp: 471099

Ion Ratio Lower Upper

112 100

64 62.4 48.3 72.5

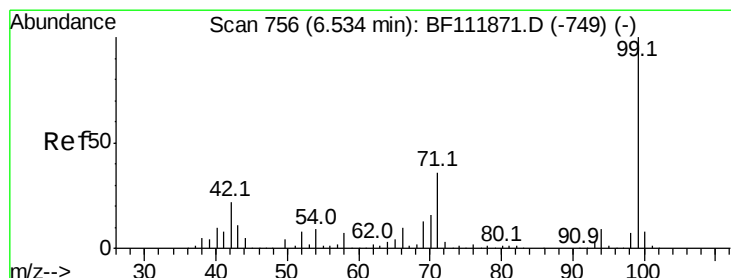
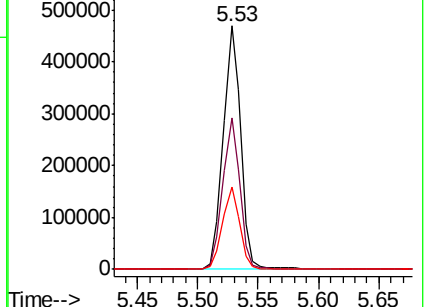
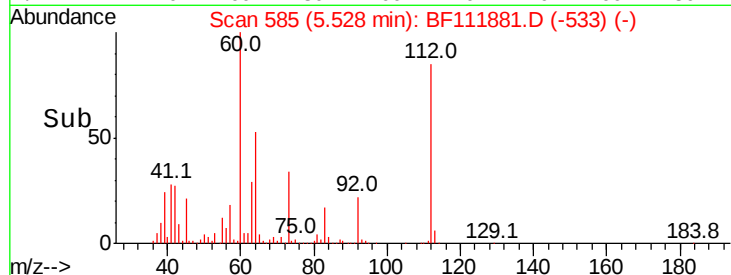
63 33.7 26.1 39.1



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: 35.100 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

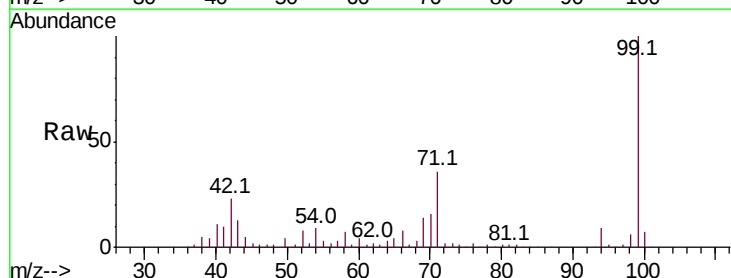
Tgt Ion: 99 Resp: 374631

Ion Ratio Lower Upper

99 100

42 23.4 17.9 26.9

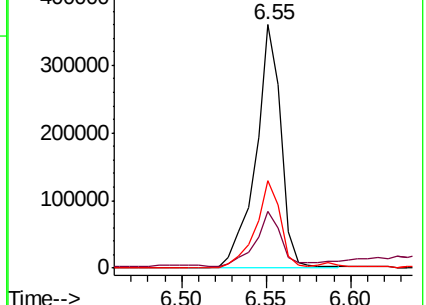
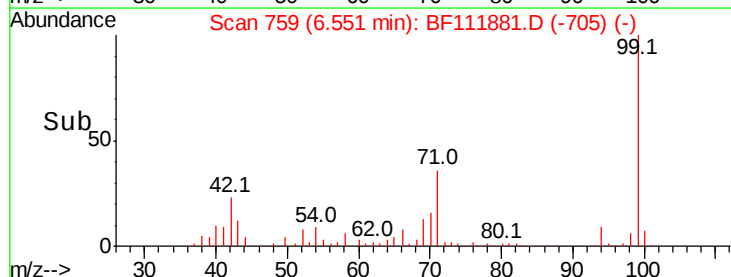
71 35.9 28.7 43.1

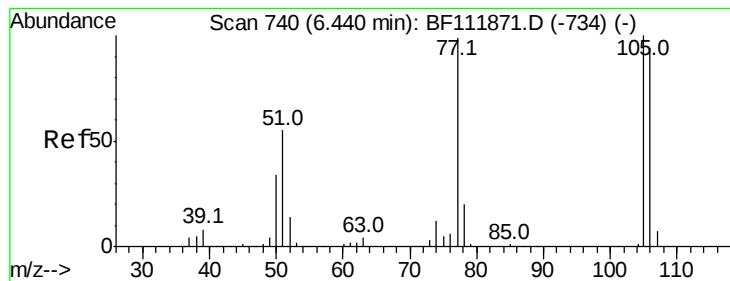


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 3.062 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

Instrument :
BNA_F
ClientSampled :

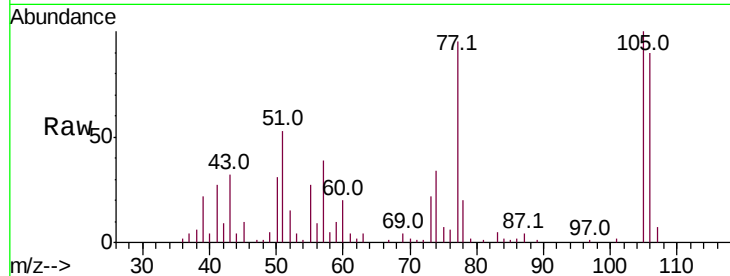
Tot Ion: 77 Resp: 29766

Ion Ratio Lower Upper

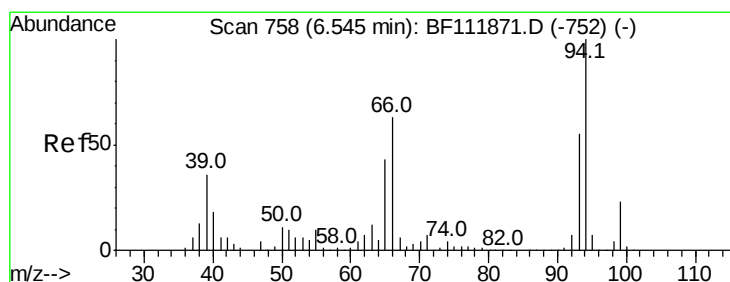
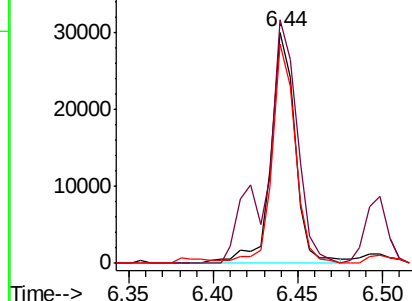
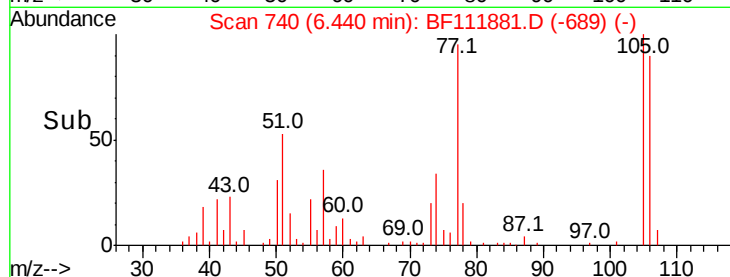
77 100

105 105.4 80.6 120.6

106 94.8 74.6 114.6



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: 14.320 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.02 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

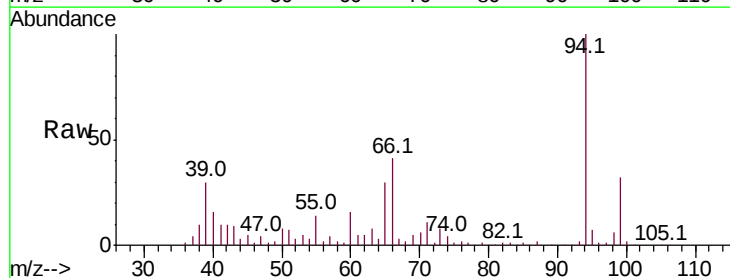
Tgt Ion: 94 Resp: 166120

Ion Ratio Lower Upper

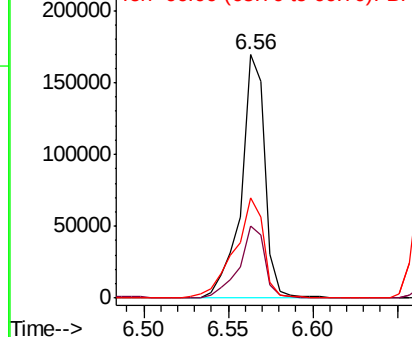
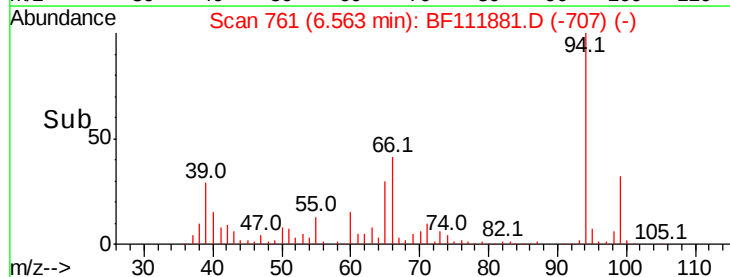
94 100

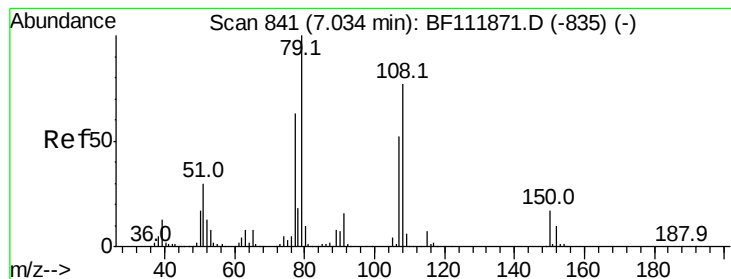
65 29.9 22.8 62.8

66 41.2 43.3 83.3#



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





#15

Benzyl Alcohol

Concen: 22.353 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

Instrument :

BNA_F

ClientSampleId :

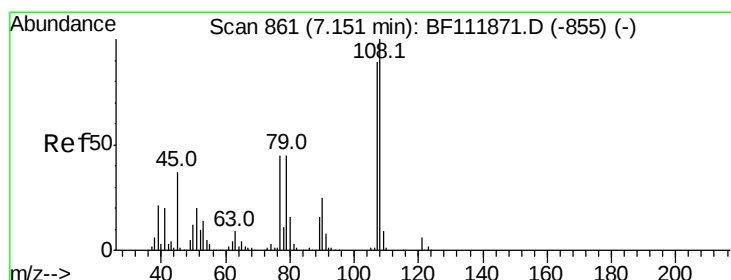
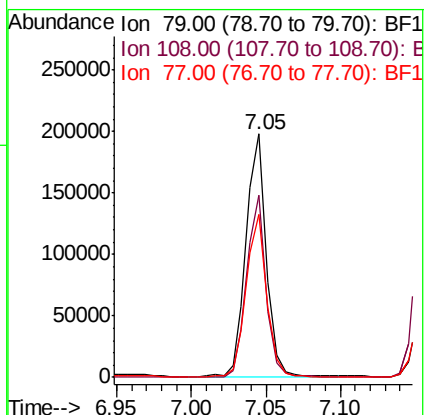
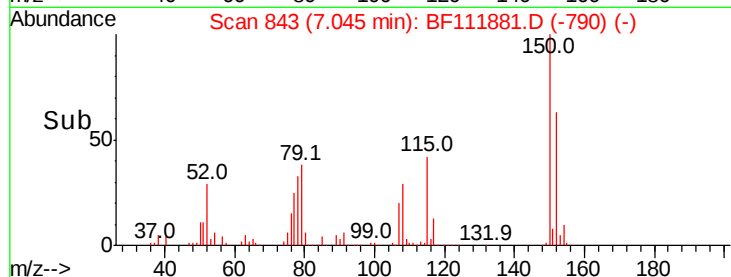
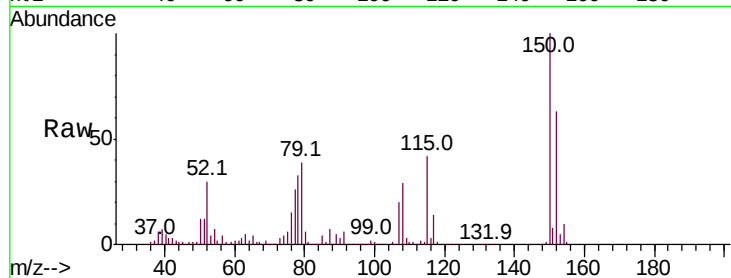
Tot Ion: 79 Resp: 188763

Ion Ratio Lower Upper

79 100

108 75.1 61.4 92.0

77 66.8 50.4 75.6



#17

2-Methylphenol

Concen: 10.776 ng

RT: 7.15 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

Tgt Ion: 107 Resp: 79641

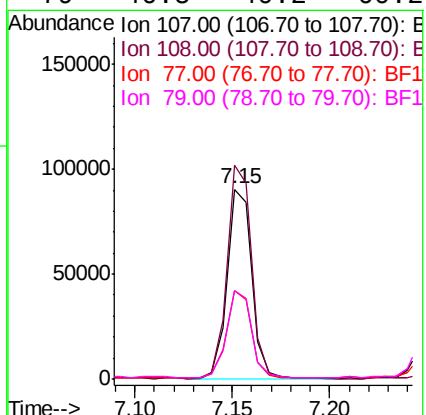
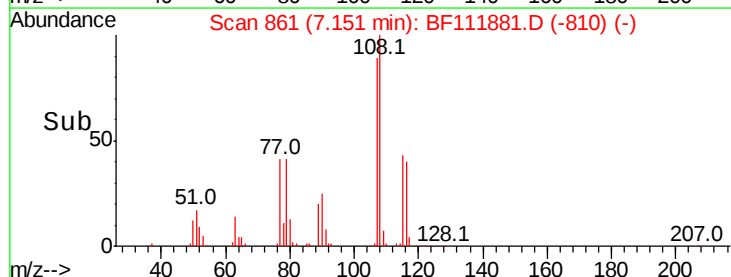
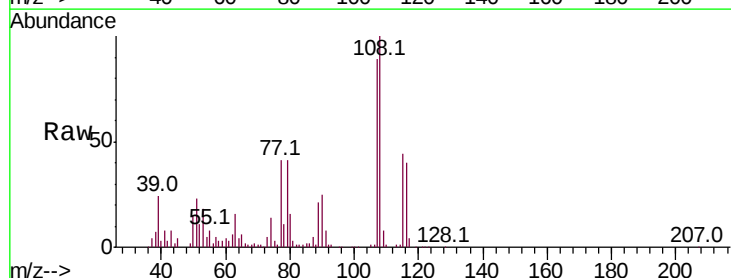
Ion Ratio Lower Upper

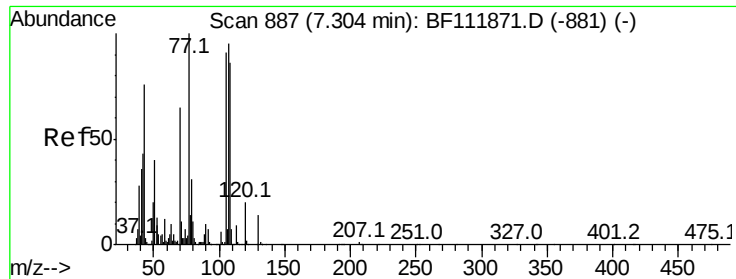
107 100

108 112.5 89.7 134.5

77 46.2 40.6 60.8

79 46.5 40.2 60.2

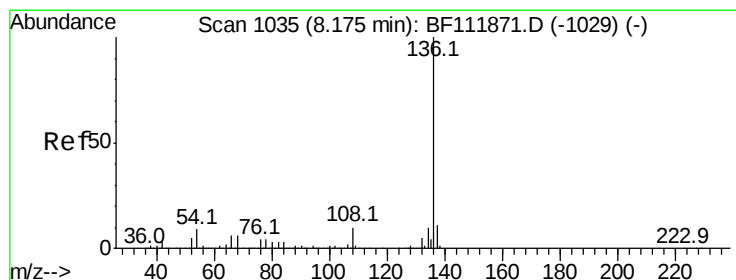
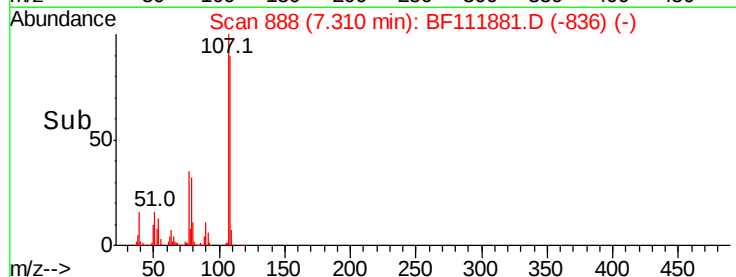
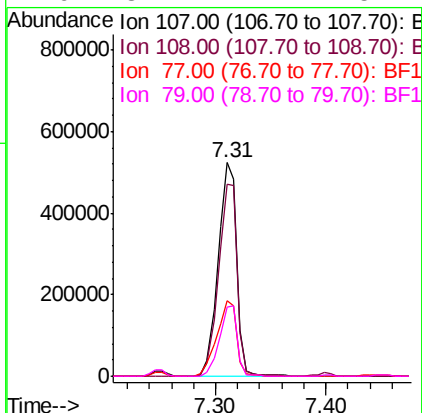
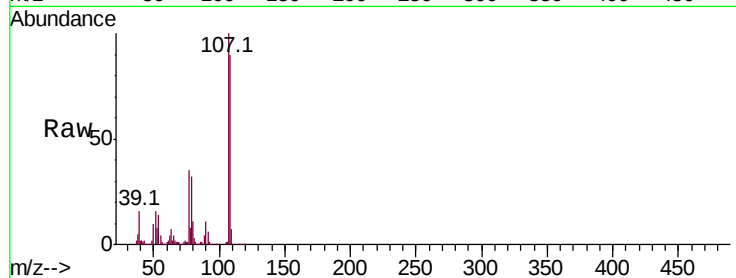




#20
3+4-Methylphenols
Concen: 65.938 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

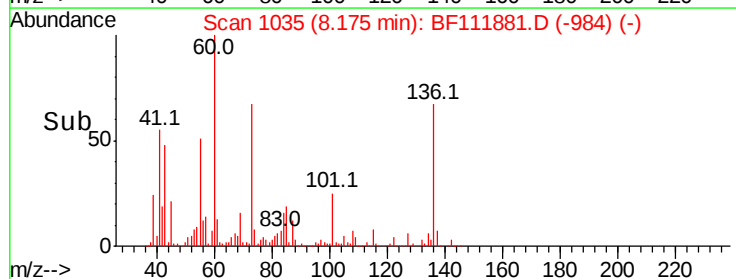
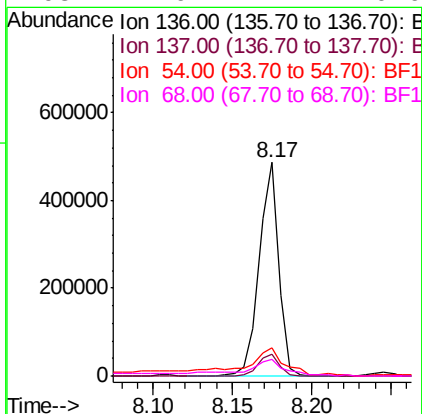
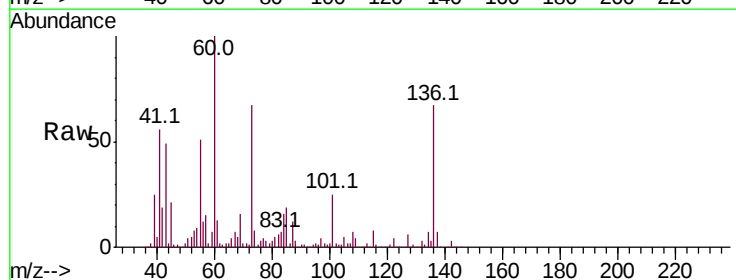
Instrument :
BNA_F
ClientSampleId :

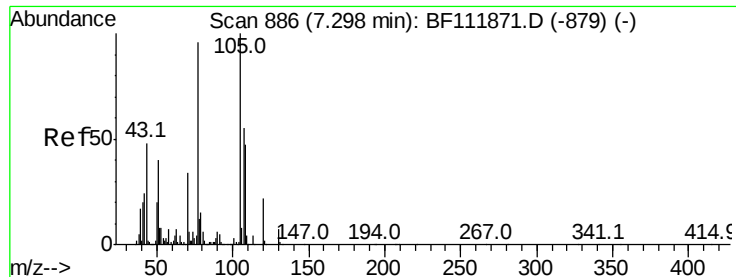
Tot Ion:	107	Resp:	606472
Ion	Ratio	Lower	Upper
107	100		
108	90.2	71.1	111.1
77	35.2	85.4	125.4#
79	32.4	12.4	52.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Tgt Ion:	136	Resp:	420626
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	13.0	7.2	10.8#
68	7.9	4.4	6.6#





#22

Acetophenone

Concen: 3.005 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

Instrument :

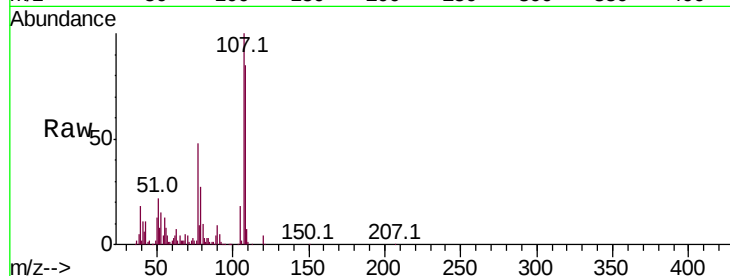
BNA_F

ClientSampleId :

Tot Ion:105 Resp: 31999

Ion Ratio Lower Upper

105	100		
71	5.4	4.6	6.8
51	120.8	32.2	48.2
120	21.8	17.5	26.3

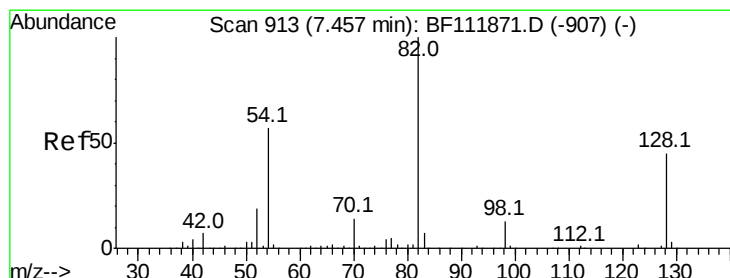
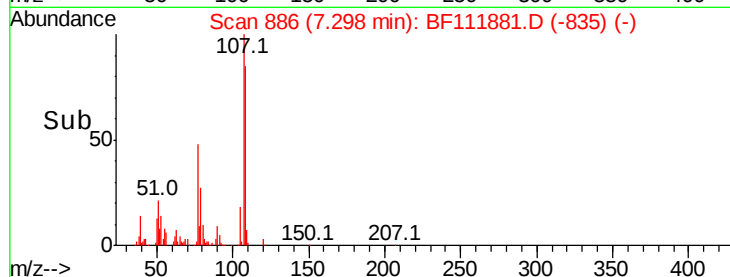
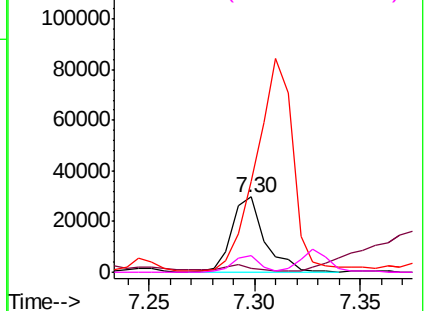


Abundance Ion 105.00 (104.70 to 105.70): E

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: 91.141 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

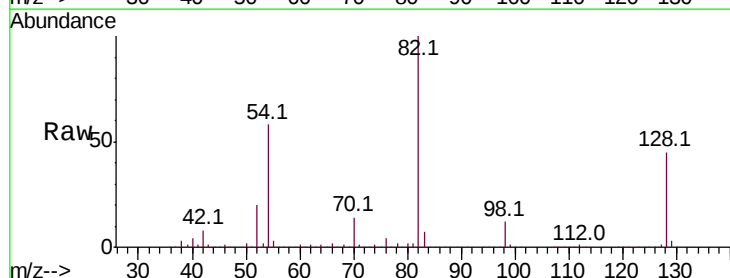
Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

Tgt Ion: 82 Resp: 717301

Ion Ratio Lower Upper

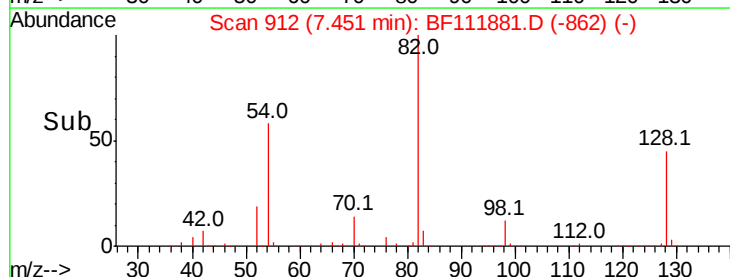
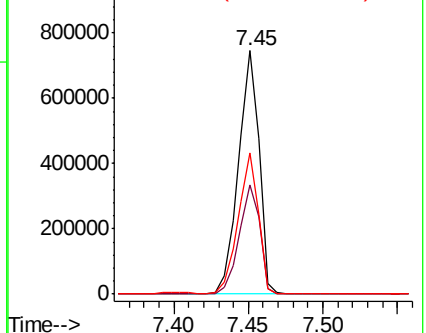
82	100		
128	44.6	35.7	53.5
54	58.1	45.8	68.8

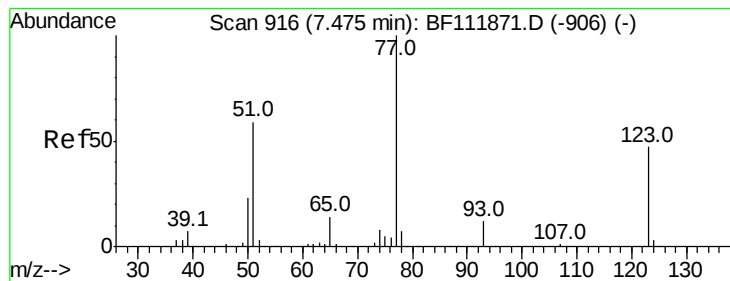


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 28.520 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.16 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

Instrument :

BNA_F

ClientSampled :

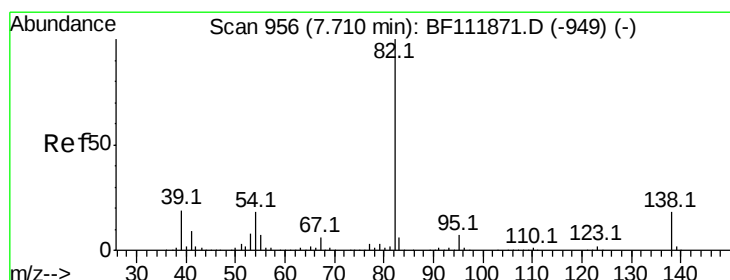
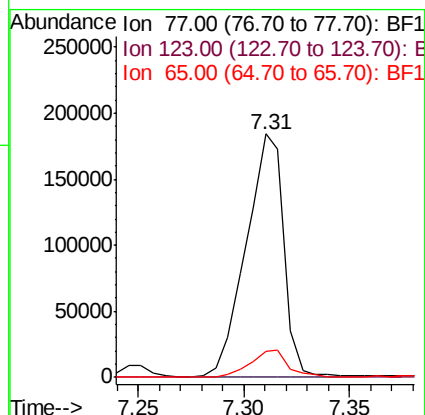
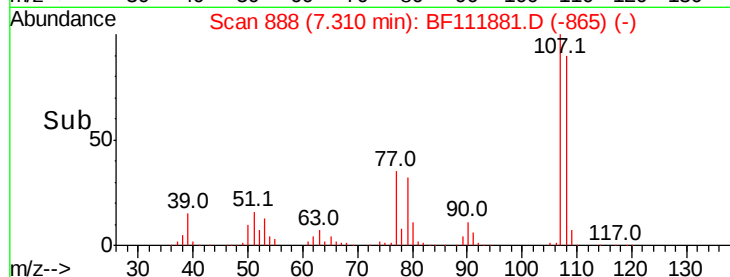
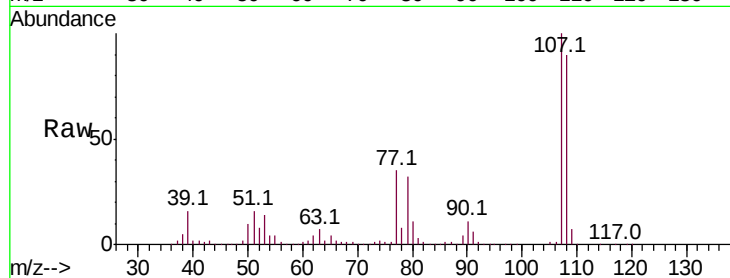
Tot Ion: 77 Resp: 227060

Ion Ratio Lower Upper

77 100

123 0.0 38.1 57.1#

65 10.9 11.0 16.4#



#25

Isophorone

Concen: 56.340 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111881.D

Acq: 7 Jan 2019 17:26

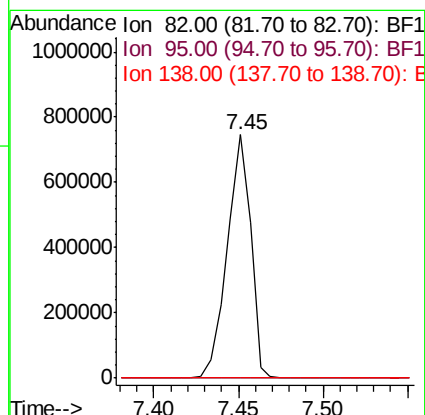
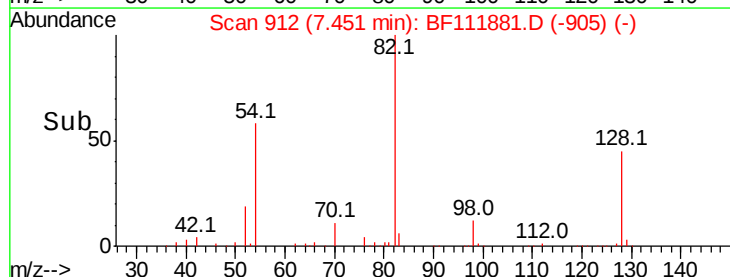
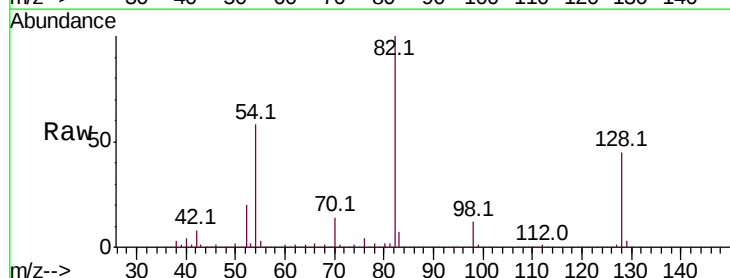
Tgt Ion: 82 Resp: 718012

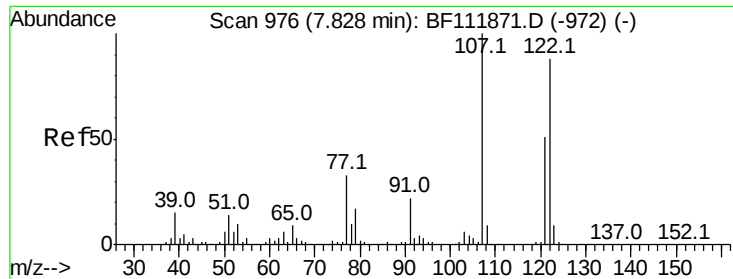
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 14.4 21.6#

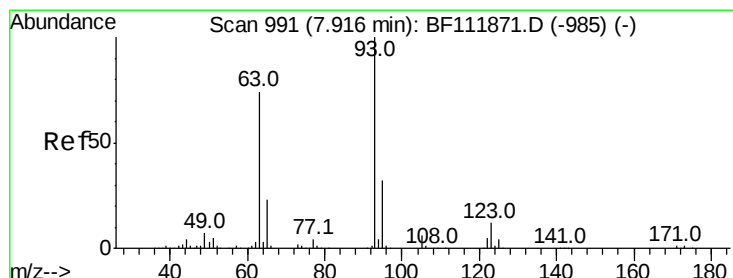
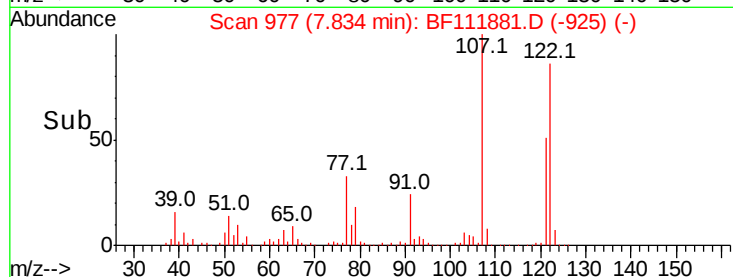
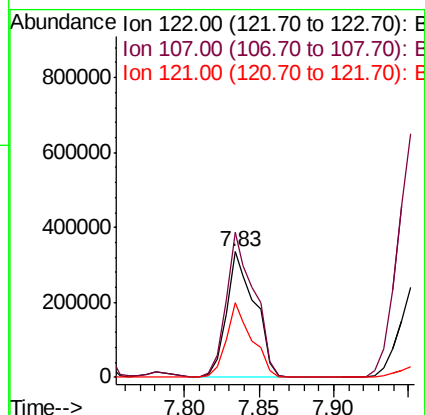
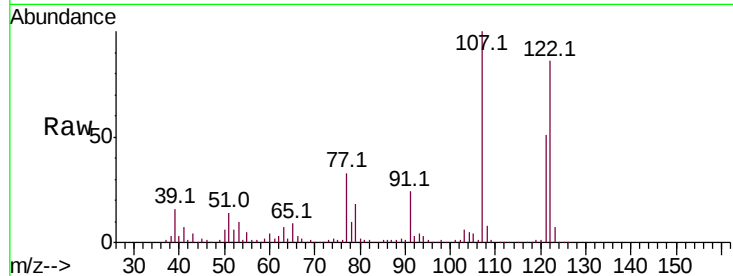




#27
 2,4-Dimethylphenol
 Concen: 78.743 ng
 RT: 7.83 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

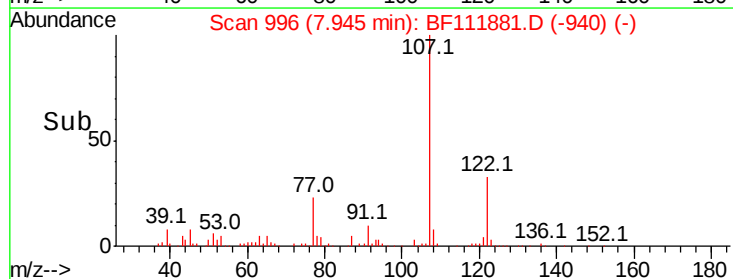
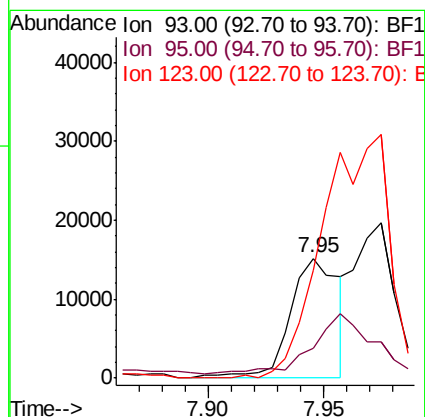
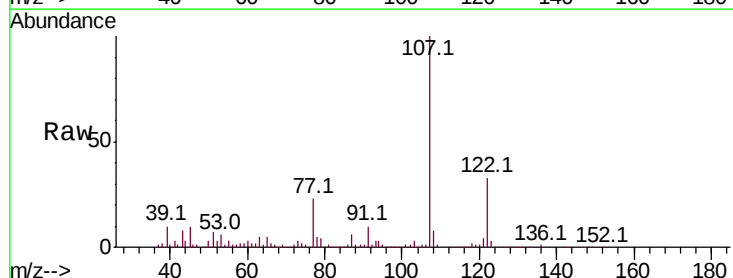
Instrument :
 BNA_F
 ClientSampleId :

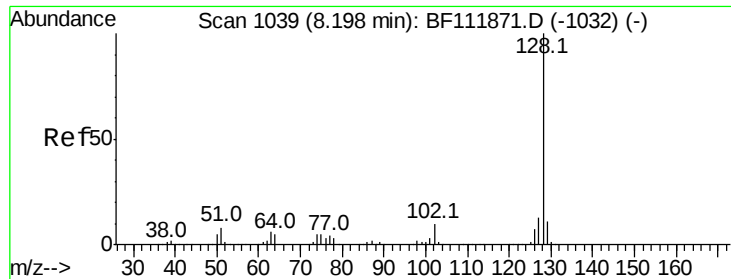
Tot Ion:122 Resp: 446309
 Ion Ratio Lower Upper
 122 100
 107 115.6 91.0 136.6
 121 59.5 46.8 70.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.629 ng
 RT: 7.95 min Scan# 996
 Delta R.T. 0.03 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

Tgt Ion: 93 Resp: 22367
 Ion Ratio Lower Upper
 93 100
 95 25.0 25.8 38.6#
 123 89.8 9.5 14.3#

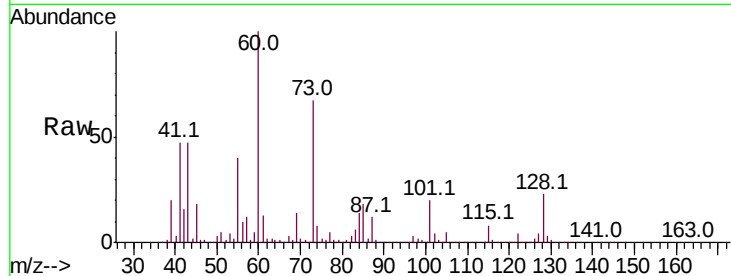




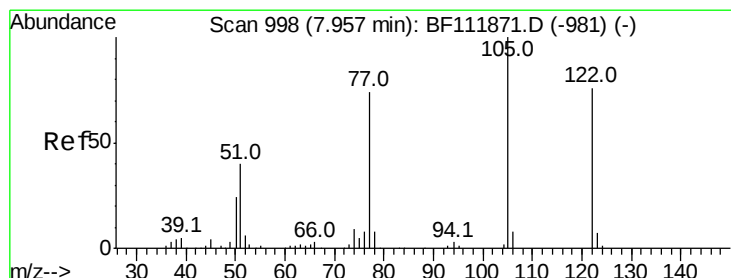
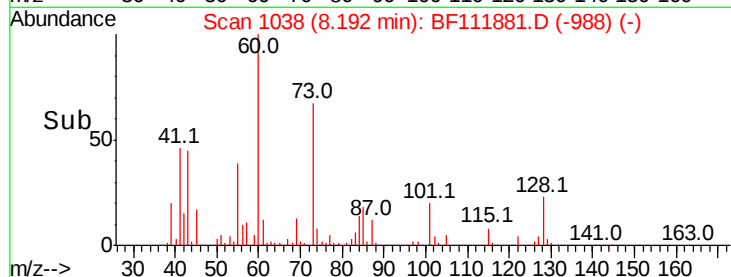
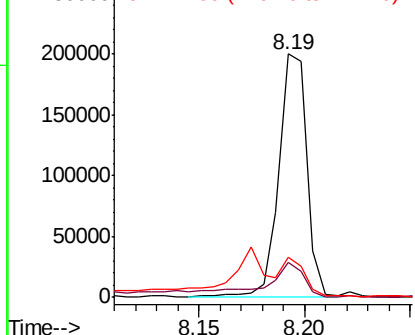
#31
Naphthalene
Concen: 9.144 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 182583
Ion Ratio Lower Upper
128 100
129 14.3 9.0 13.4#
127 16.3 10.7 16.1#

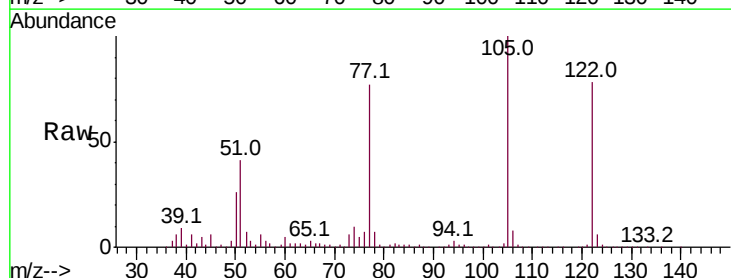


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

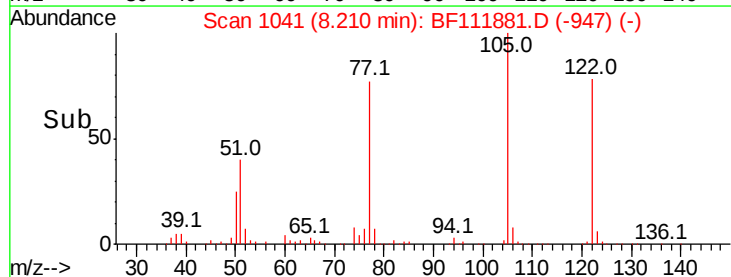
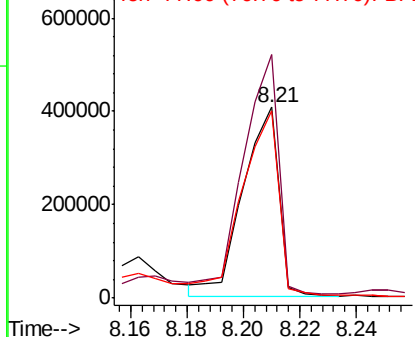


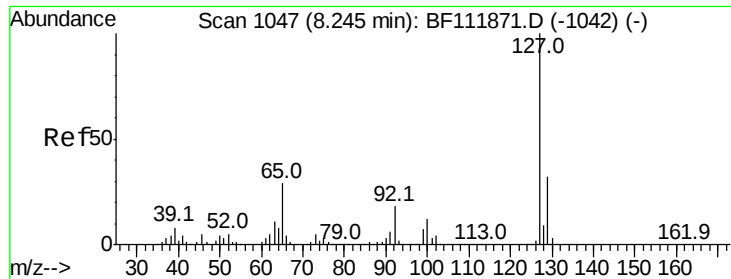
#32
Benzoic acid
Concen: 96.434 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.25 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Tgt Ion:122 Resp: 354698
Ion Ratio Lower Upper
122 100
105 127.8 107.9 147.9
77 98.3 76.6 116.6



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

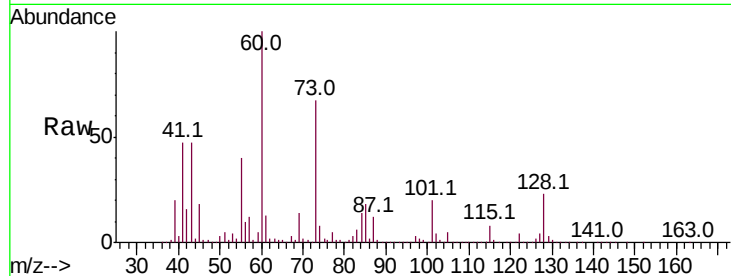




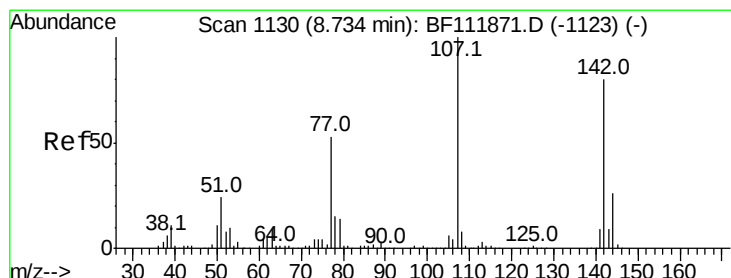
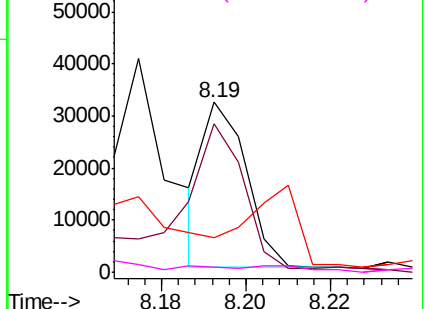
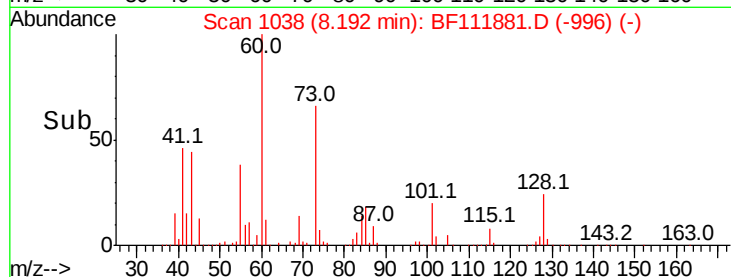
#33
4-Chloroaniline
Concen: 2.563 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:127 Resp: 22124
Ion Ratio Lower Upper
127 100
129 87.8 25.8 38.6#
65 20.5 23.5 35.3#
92 2.7 14.2 21.2#

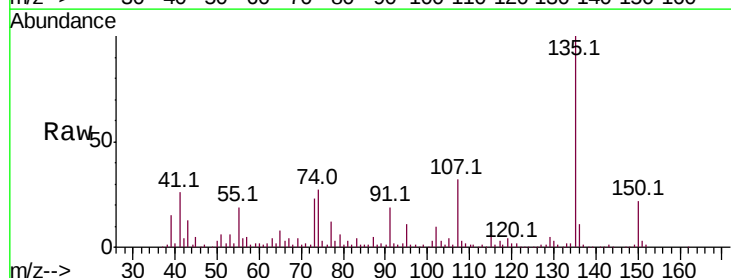


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

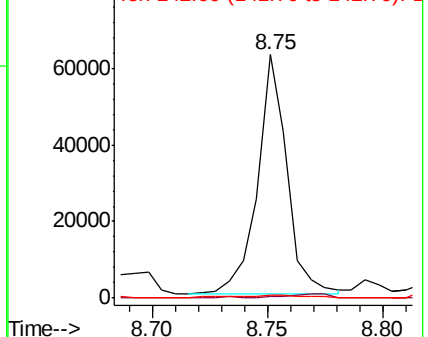
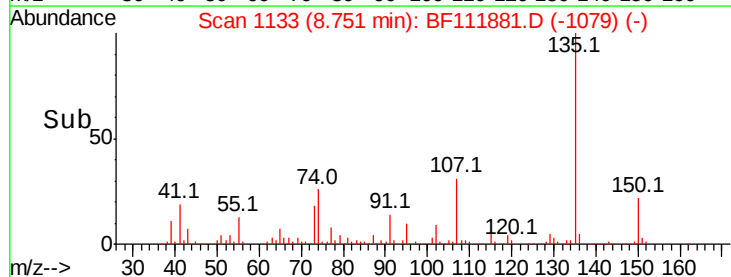


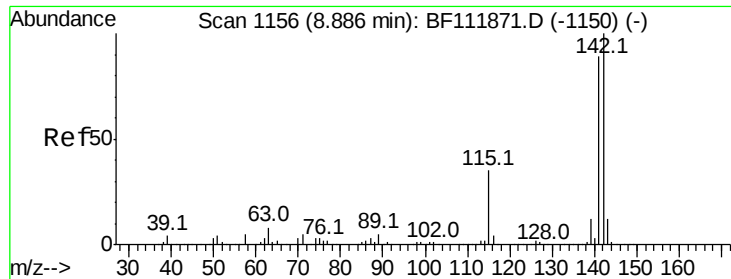
#36
4-Chloro-3-methylphenol
Concen: 8.574 ng
RT: 8.75 min Scan# 1133
Delta R.T. 0.02 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Tgt Ion:107 Resp: 55558
Ion Ratio Lower Upper
107 100
144 0.5 20.7 31.1#
142 1.4 63.9 95.9#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

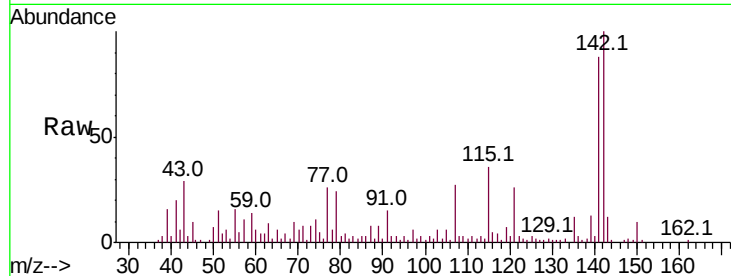




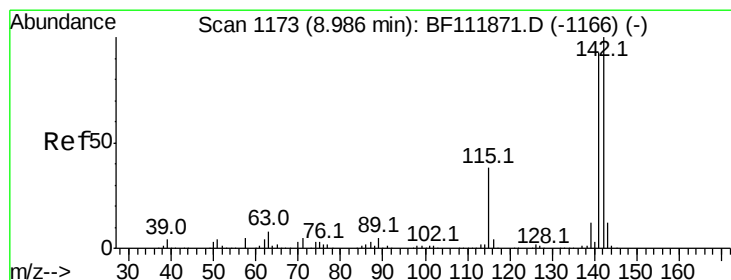
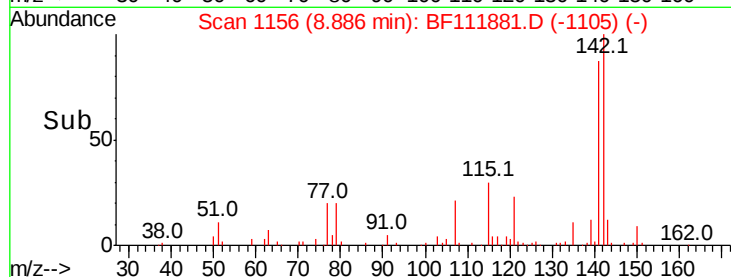
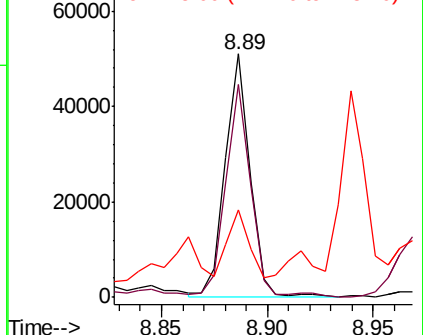
#37
 2-Methylnaphthalene
 Concen: 3.352 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 41472
 Ion Ratio Lower Upper
 142 100
 141 87.5 71.4 107.2
 115 36.1 28.3 42.5

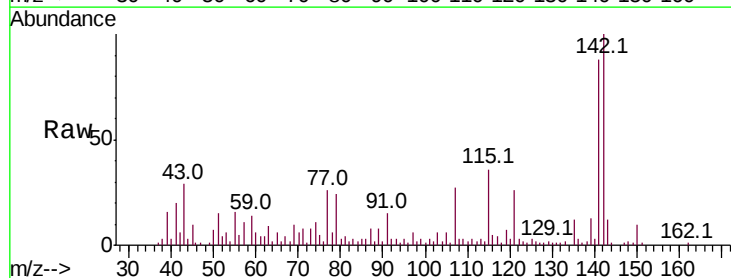


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

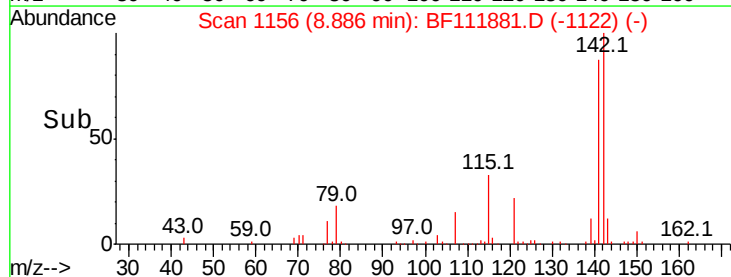
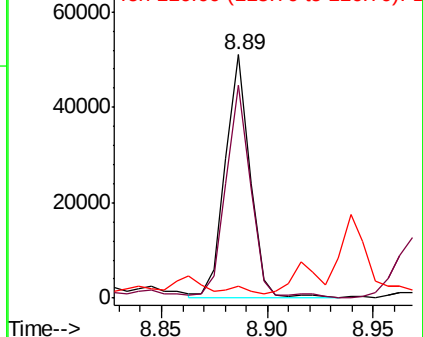


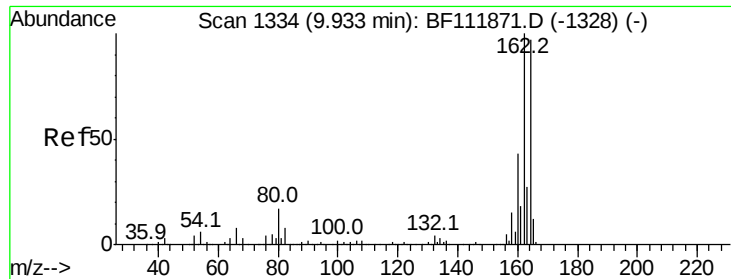
#38
 1-Methylnaphthalene
 Concen: 3.495 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.10 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

Tgt Ion:142 Resp: 41472
 Ion Ratio Lower Upper
 142 100
 141 87.5 74.8 112.2
 116 4.7 3.1 4.7



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

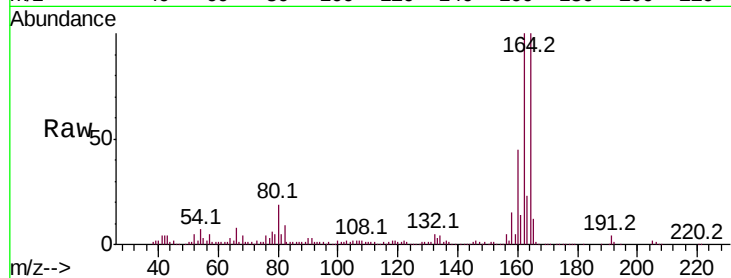




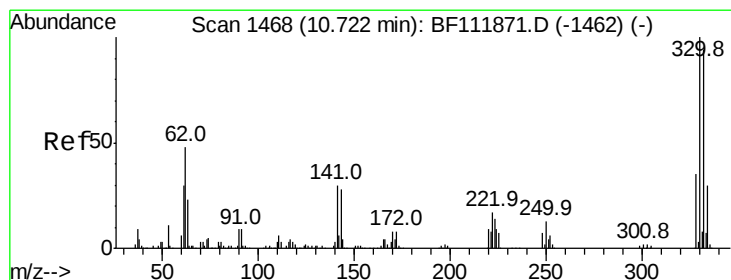
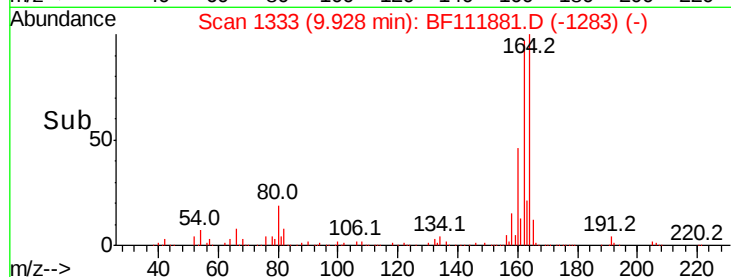
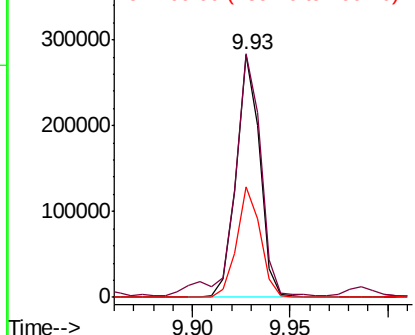
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 234356
 Ion Ratio Lower Upper
 164 100
 162 100.4 82.2 123.2
 160 45.5 35.5 53.3

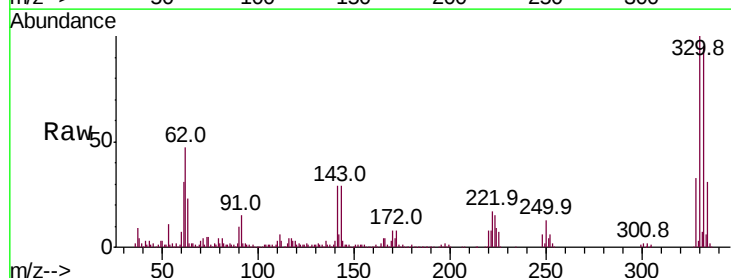


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

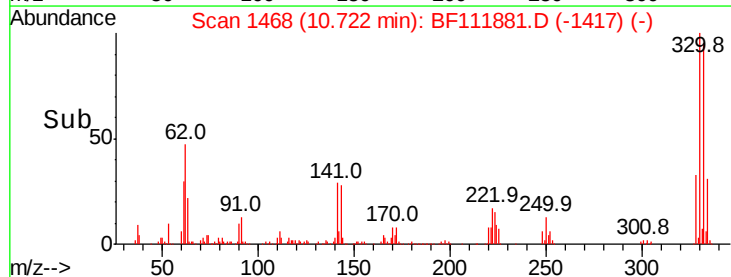
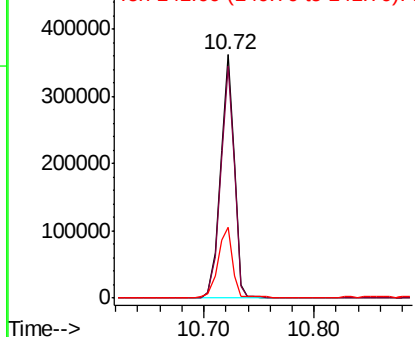


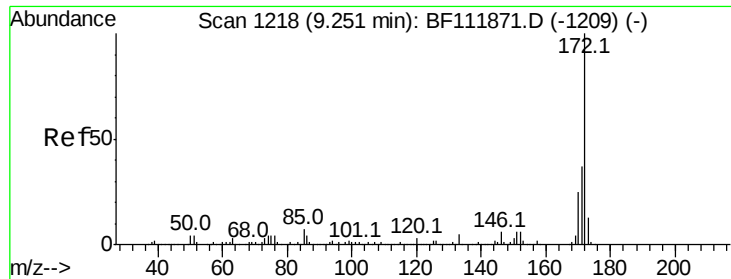
#42
 2,4,6-Tribromophenol
 Concen: 103.365 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

Tgt Ion:330 Resp: 315083
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.9 115.3
 141 30.3 23.7 35.5



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

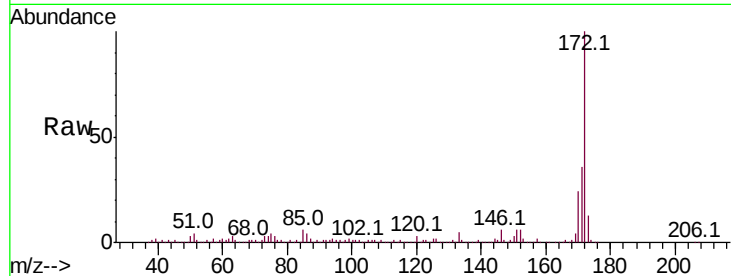




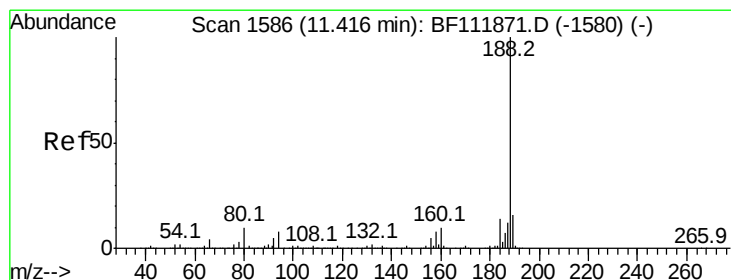
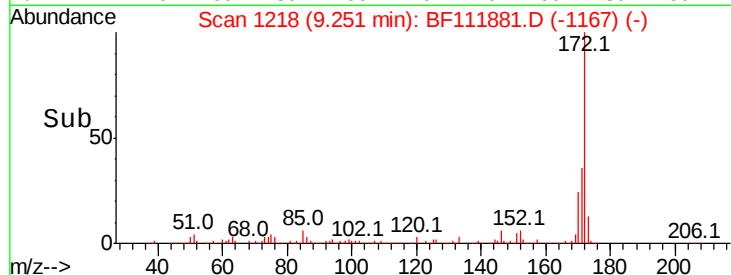
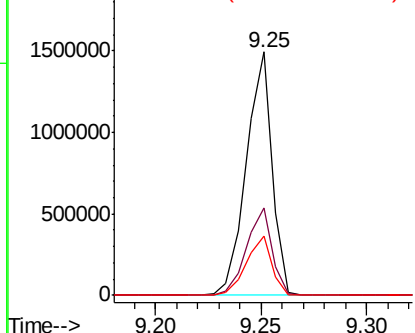
#45
2-Fluorobiphenyl
Concen: 78.612 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1263415
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.4 19.8 29.8

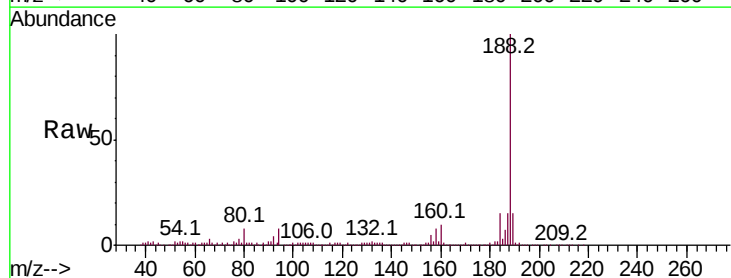


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

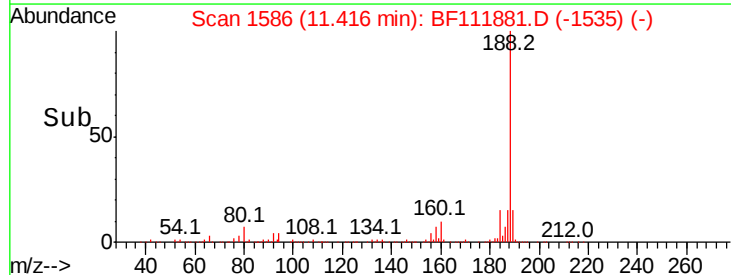
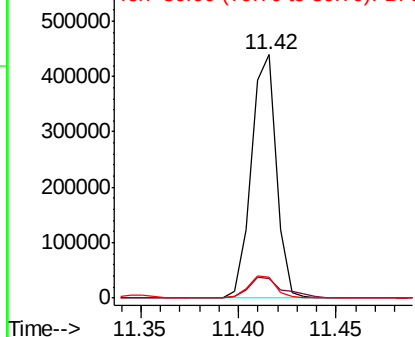


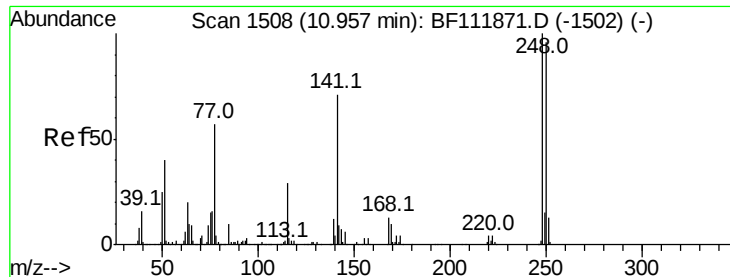
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Tgt Ion:188 Resp: 389009
Ion Ratio Lower Upper
188 100
94 7.9 6.6 10.0
80 8.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
600000 Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

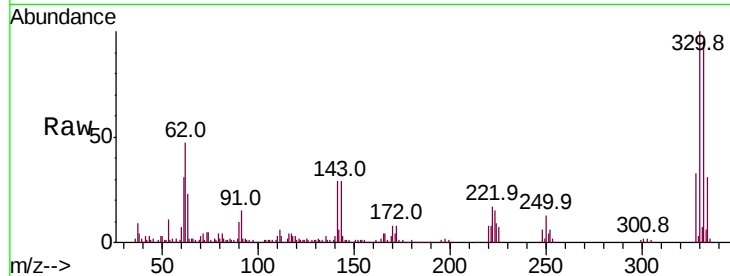




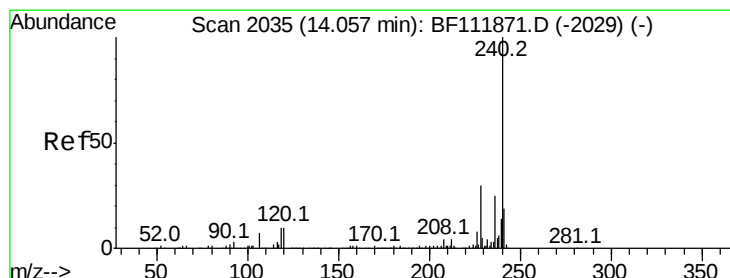
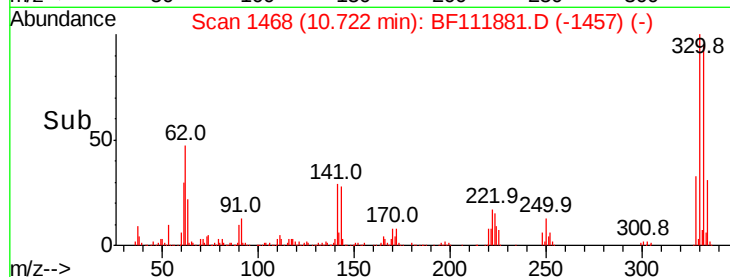
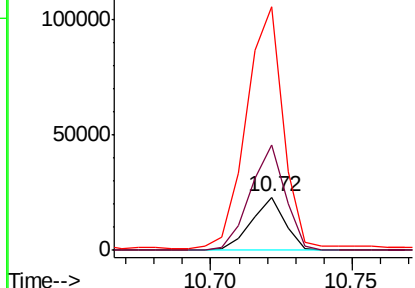
#67
4-Bromophenyl-phenylether
Concen: 3.827 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19285
Ion Ratio Lower Upper
248 100
250 197.6 76.8 115.2#
141 455.6 57.0 85.6#

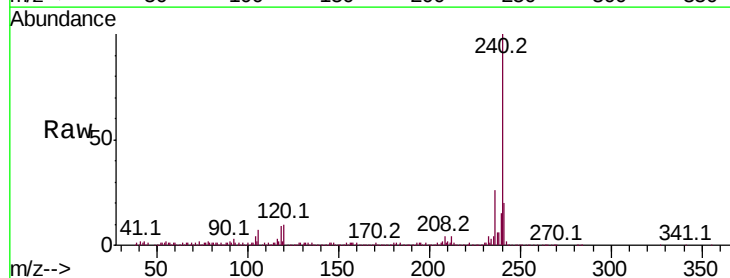


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

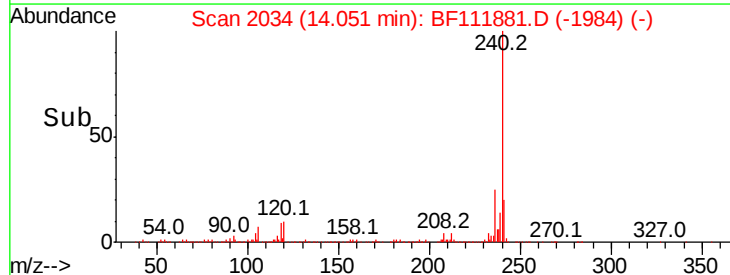
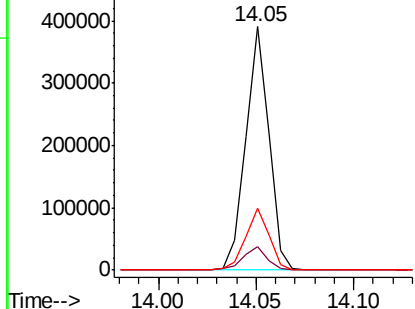


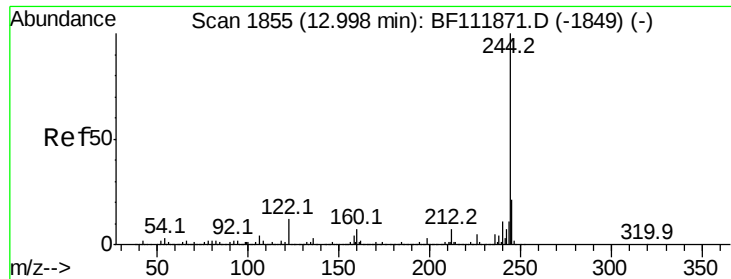
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF111881.D
Acq: 7 Jan 2019 17:26

Tgt Ion:240 Resp: 322763
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 25.5 20.2 30.4



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



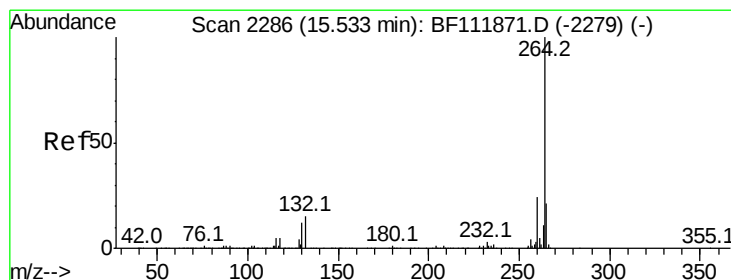
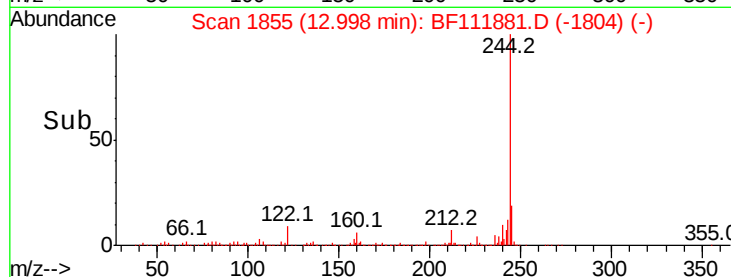
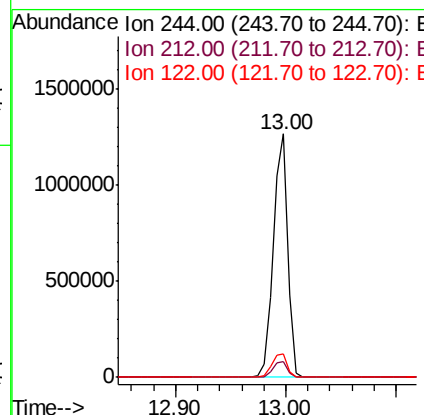
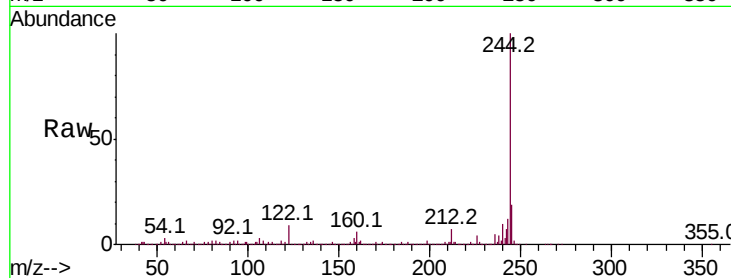


#79
 Terphenyl-d14
 Concen: 67.633 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1149998

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.5	9.5	14.3



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BF111881.D
 Acq: 7 Jan 2019 17:26

Tgt Ion:264 Resp: 365697

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	17.1	25.7

