

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
 Data File : BF112167.D
 Acq On : 21 Jan 2019 19:12
 Operator : JU/SJ
 Sample : K1013-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-B

Quant Time: Jan 22 00:48:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	223133	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	770106	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	319858	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	582614	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	501352	20.00	ng	-0.01
87) Perylene-d12	15.49	264	367248	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1446246	117.64	ng	0.00
7) Phenol-d6	6.50	99	1538803	100.04	ng	0.00
23) Nitrobenzene-d5	7.42	82	1158060	103.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	477617	138.42	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	2145649	98.35	ng	0.00
79) Terphenyl-d14	12.96	244	2271449	96.38	ng	0.00

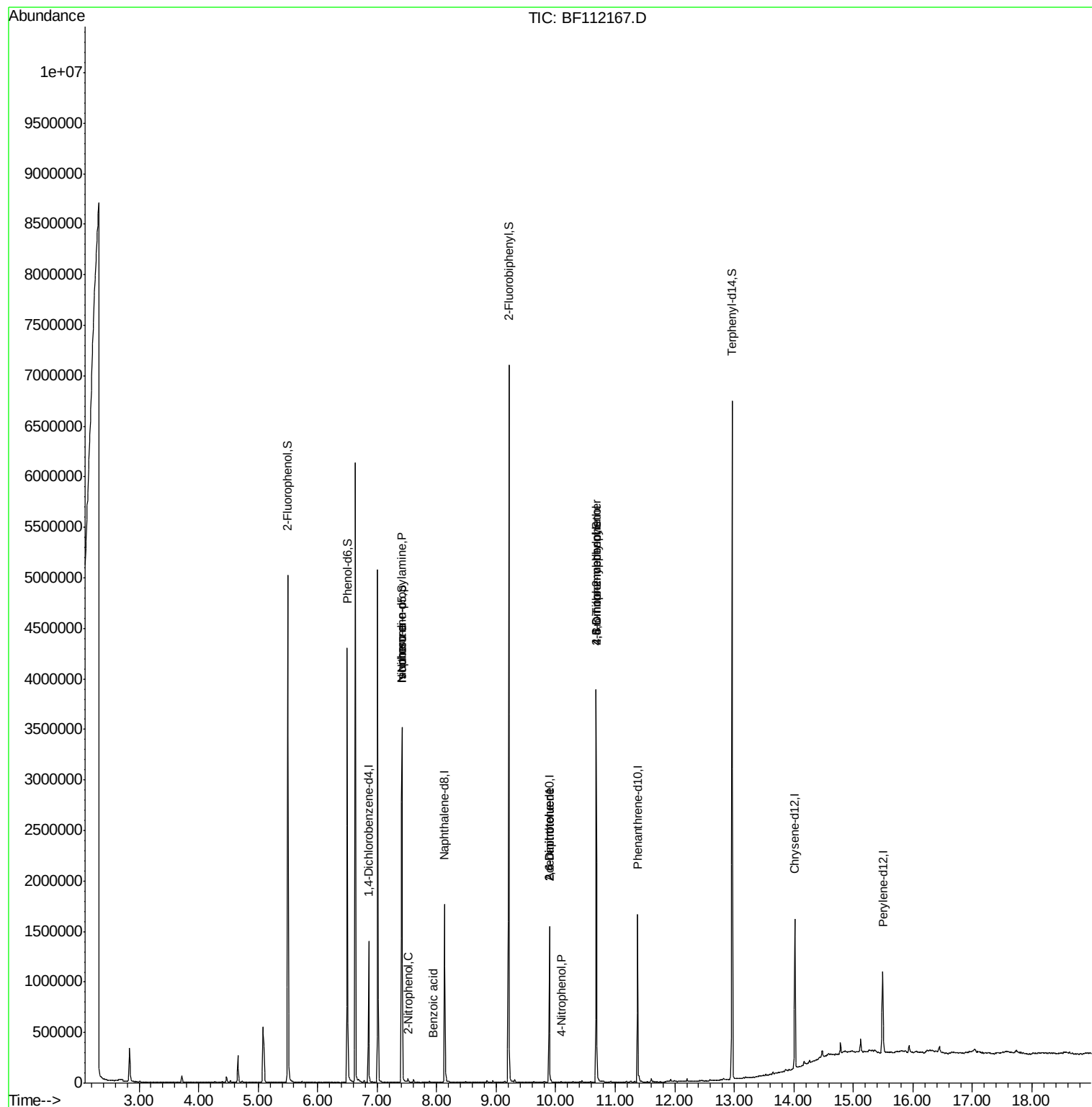
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2423	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	156777	16.731	ng	# 77
25) Isophorone	7.42	82	1158050	53.788	ng	# 64
26) 2-Nitrophenol	7.52	139	174	5.706	ng	# 39
32) Benzoic acid	7.93	122	650	7.324	ng	# 50
51) 2,6-Dinitrotoluene	9.89	165	39838	8.552	ng	# 34
56) 4-Nitrophenol	10.10	139	2127	6.186	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	39838	10.608	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.67	198	845	10.344	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	29056	4.294	ng	# 1

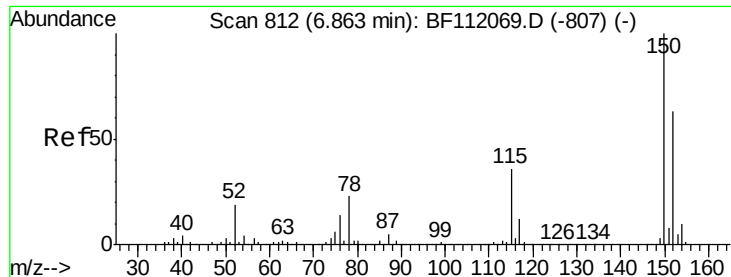
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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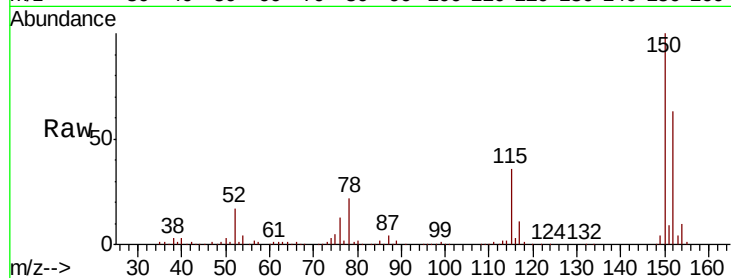


#1

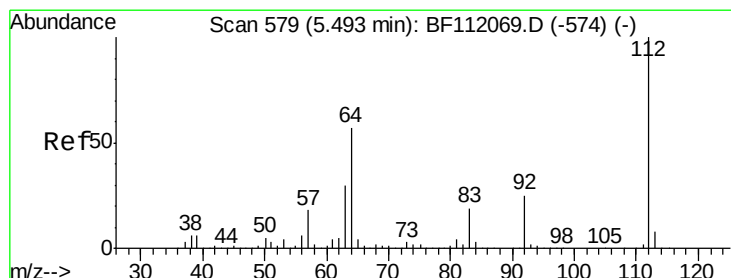
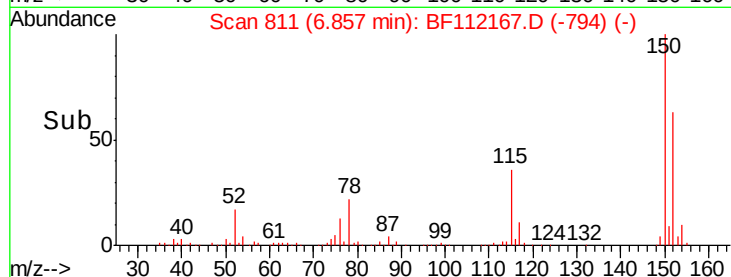
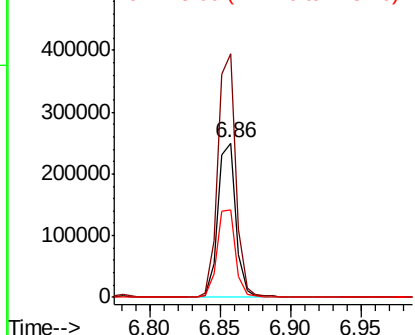
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:152 Resp: 223133
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.0
115 56.3 45.5 68.3



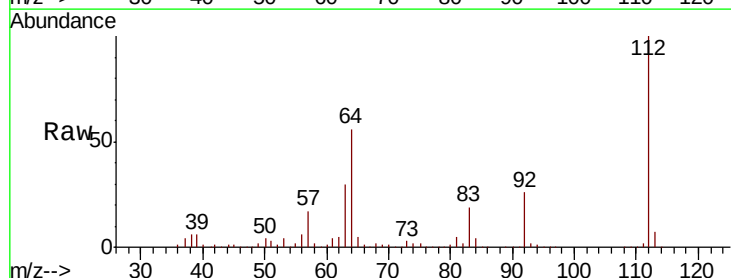
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



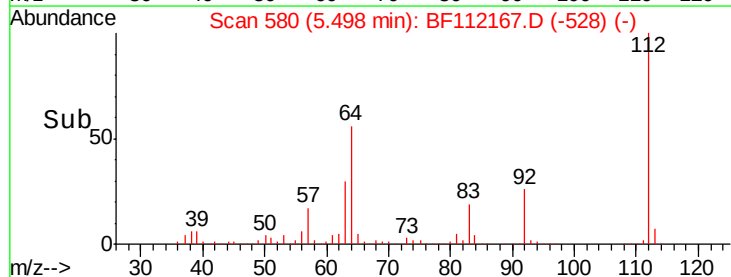
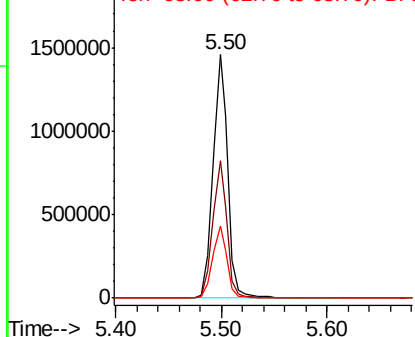
#5

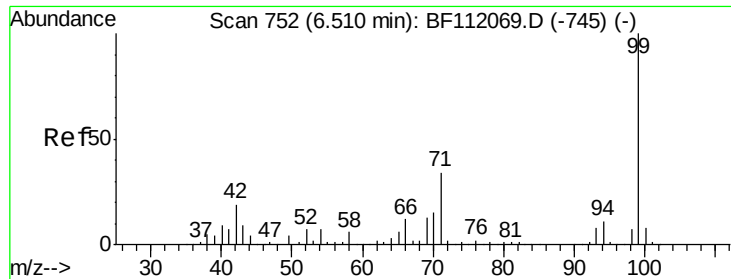
2-Fluorophenol
Concen: 117.642 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Tgt Ion:112 Resp: 1446246
Ion Ratio Lower Upper
112 100
64 56.2 45.7 68.5
63 29.6 23.6 35.4



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: 100.045 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-B

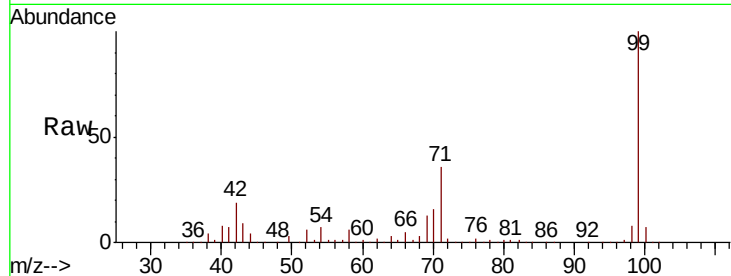
Tgt Ion: 99 Resp: 1538803

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

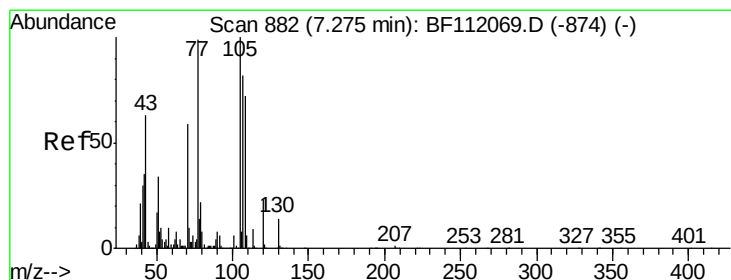
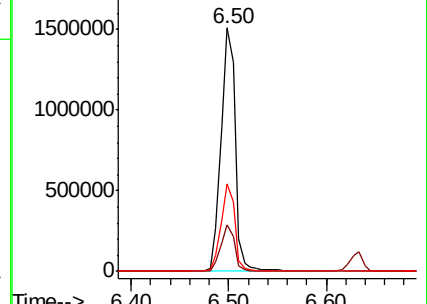
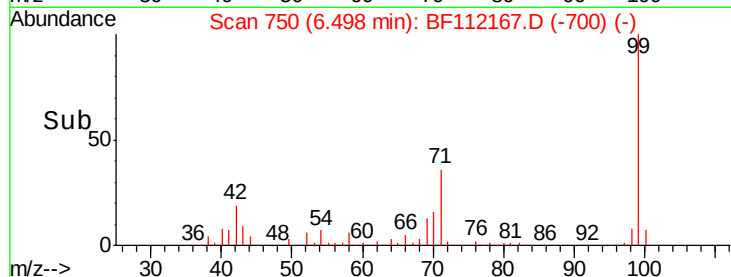
71 36.2 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.731 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

Tgt Ion: 70 Resp: 156777

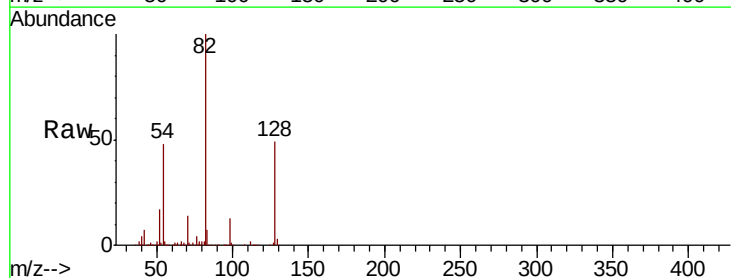
Ion Ratio Lower Upper

70 100

42 48.3 47.6 71.4

101 0.0 7.9 11.9#

130 2.7 18.4 27.6#

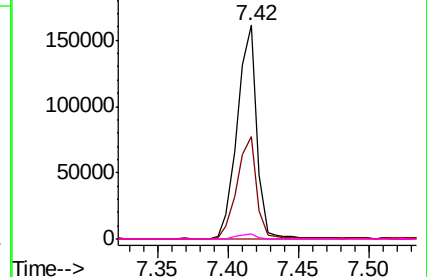
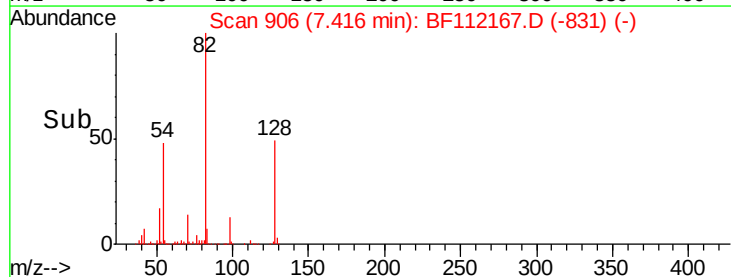


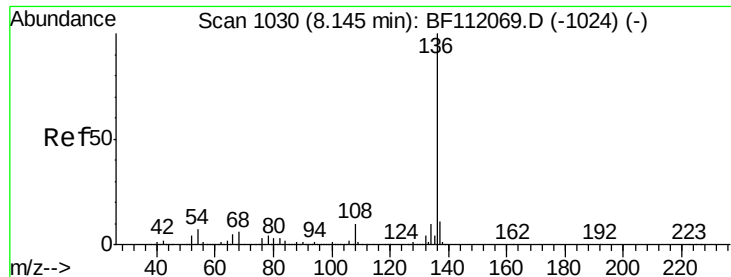
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

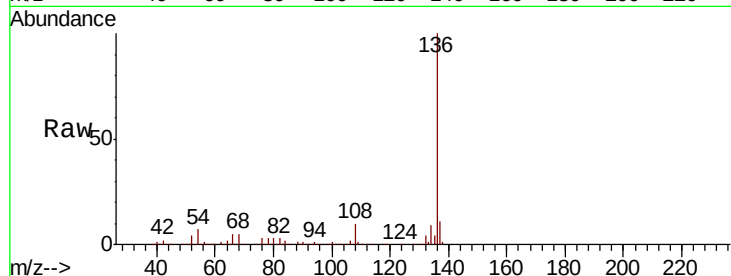




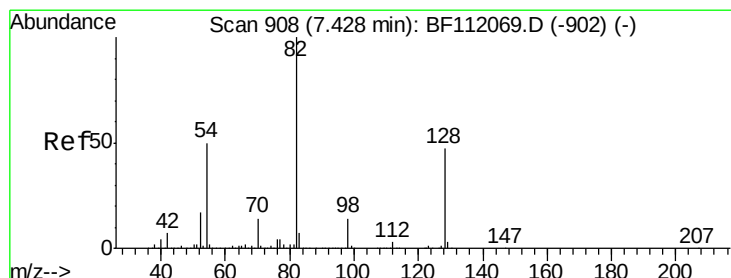
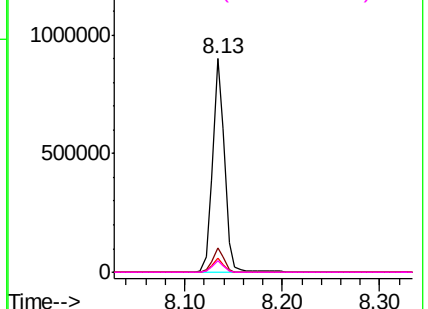
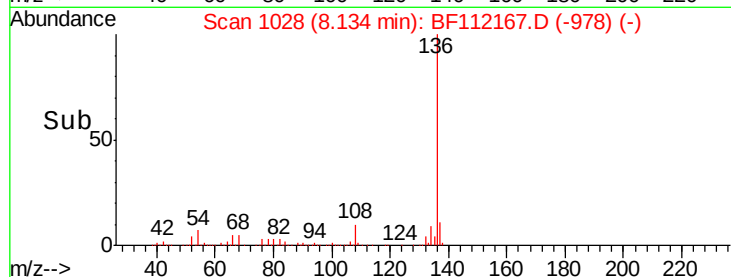
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:	136	Resp:	770106
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.6	5.9	8.9
68	5.4	5.1	7.7

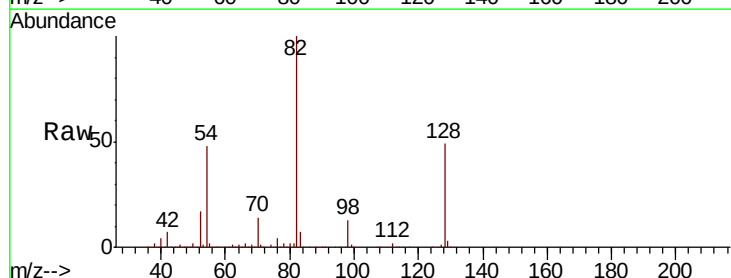


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

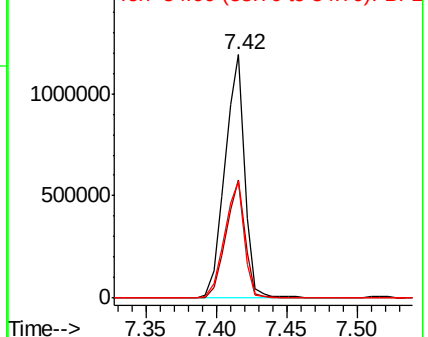
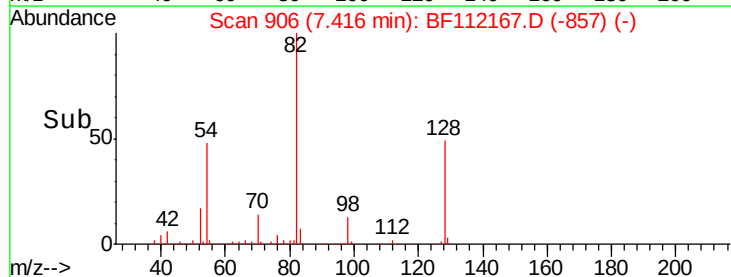


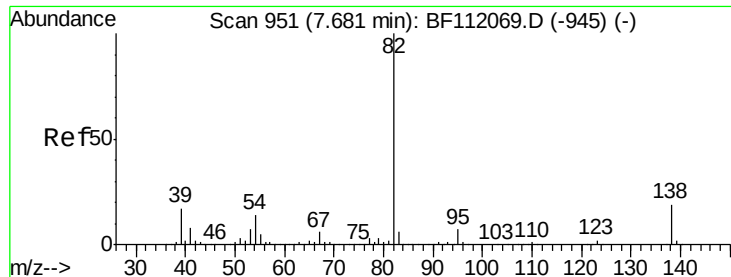
#23
Nitrobenzene-d5
Concen: 103.894 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Tgt Ion:	82	Resp:	1158060
Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.8	56.8
54	47.8	39.7	59.5



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





#25

Isophorone

Concen: 53.788 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-B

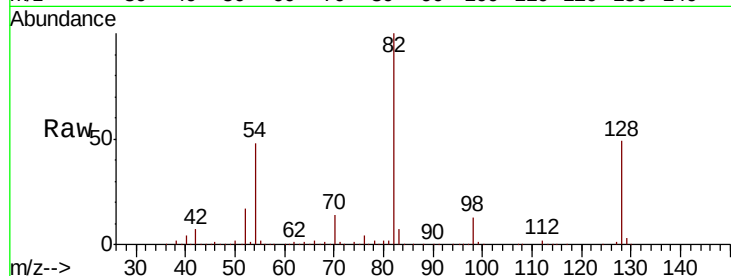
Tgt Ion: 82 Resp: 1158050

Ion Ratio Lower Upper

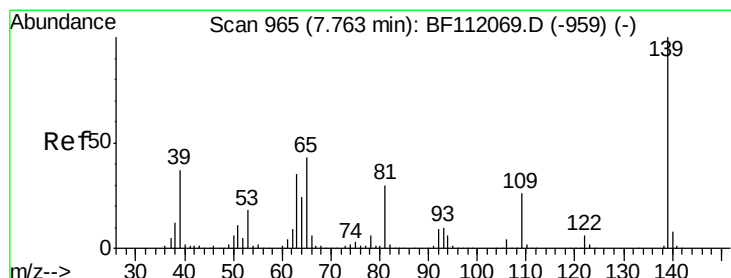
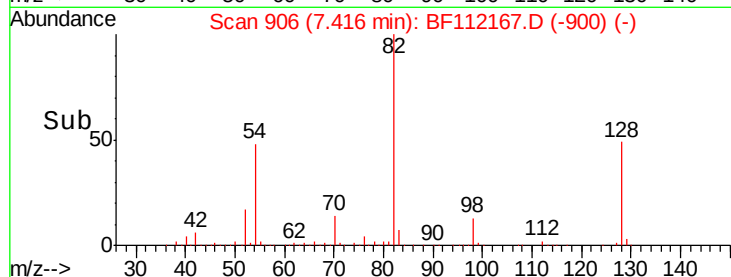
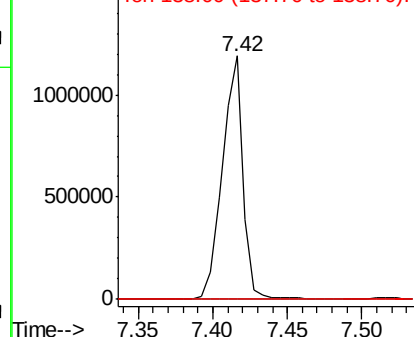
82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



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): E



#26

2-Nitrophenol

Concen: 5.706 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.24 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

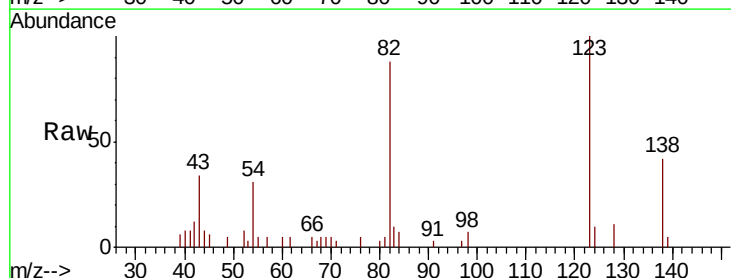
Tgt Ion: 139 Resp: 174

Ion Ratio Lower Upper

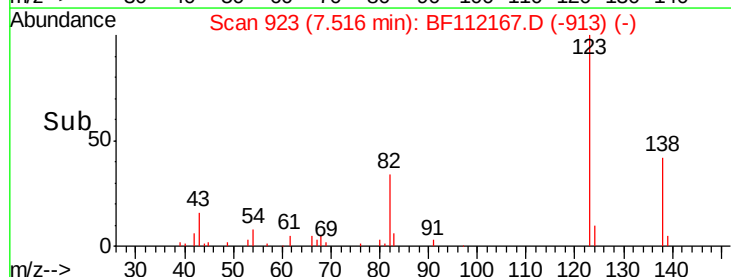
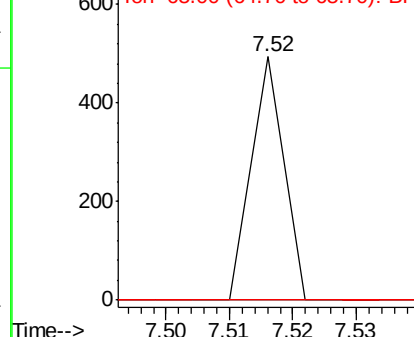
139 100

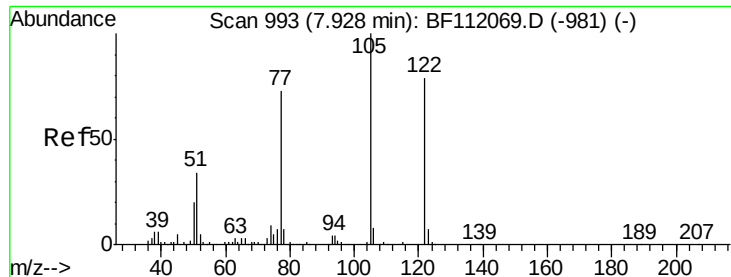
109 0.0 20.8 31.2#

65 0.0 34.4 51.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

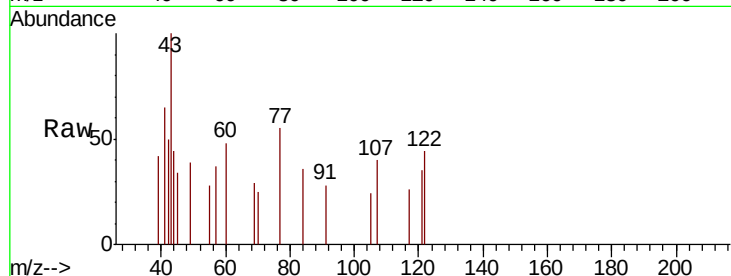




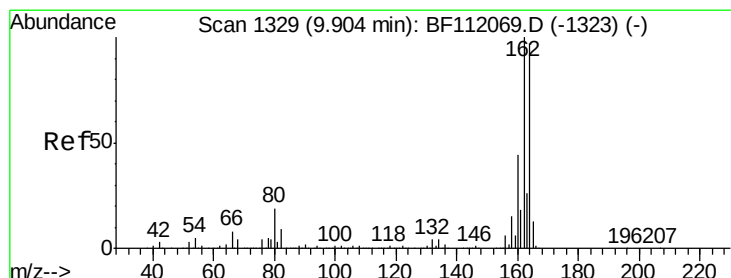
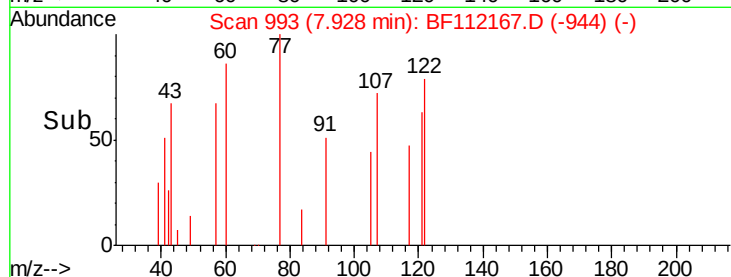
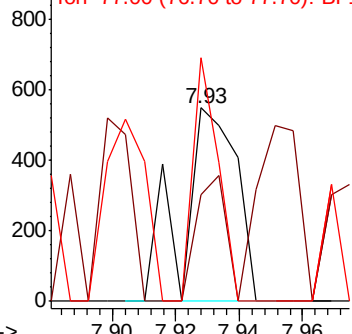
#32
Benzoic acid
Concen: 7.324 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Instrument :
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ClientSampleId :
PL-01-011819-B

Tgt Ion:122 Resp: 650
Ion Ratio Lower Upper
122 100
105 55.0 101.2 141.2#
77 126.0 70.4 110.4#

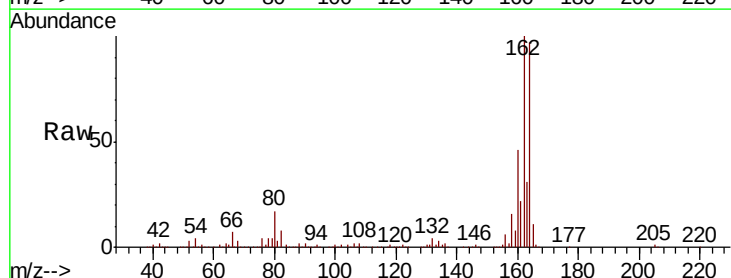


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

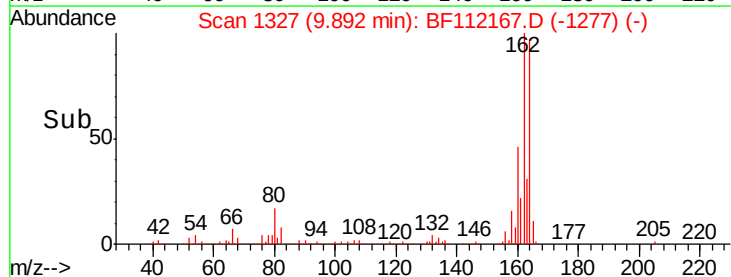
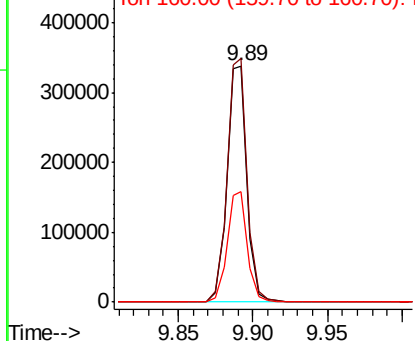


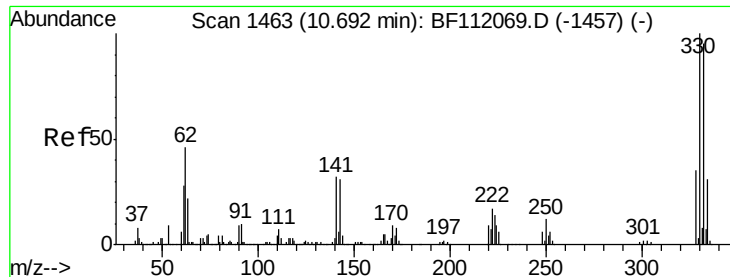
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Tgt Ion:164 Resp: 319858
Ion Ratio Lower Upper
164 100
162 103.0 82.2 123.4
160 47.0 36.2 54.4



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

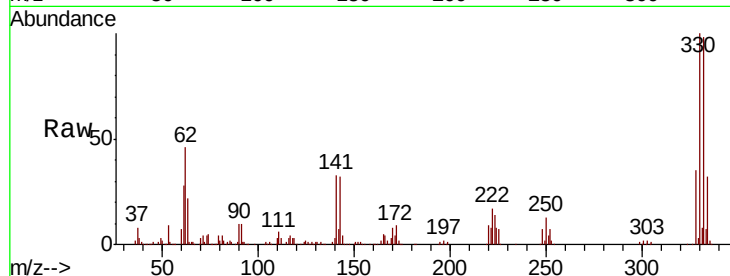




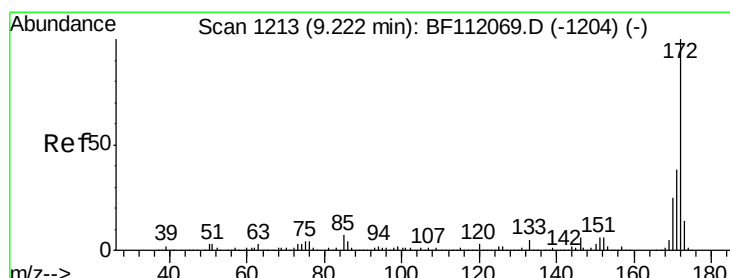
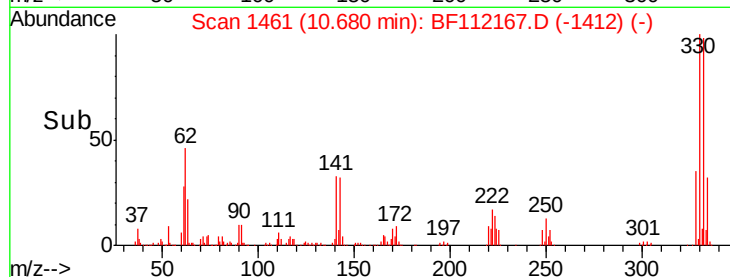
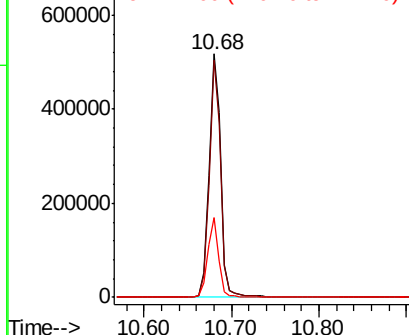
#42
 2,4,6-Tribromophenol
 Concen: 138.417 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112167.D
 Acq: 21 Jan 2019 19:12

Instrument :
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 ClientSampleId :
 PL-01-011819-B

Tgt Ion:330 Resp: 477617
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 114.8
 141 31.2 24.3 36.5

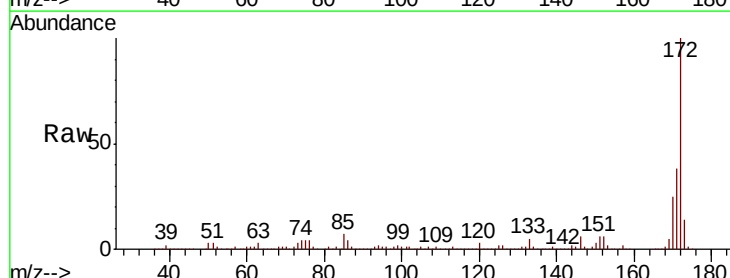


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

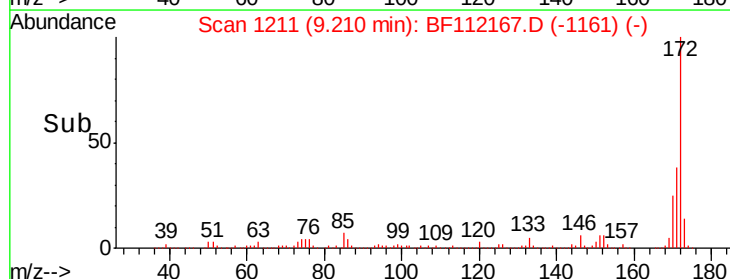
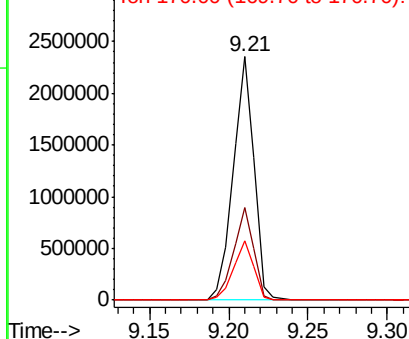


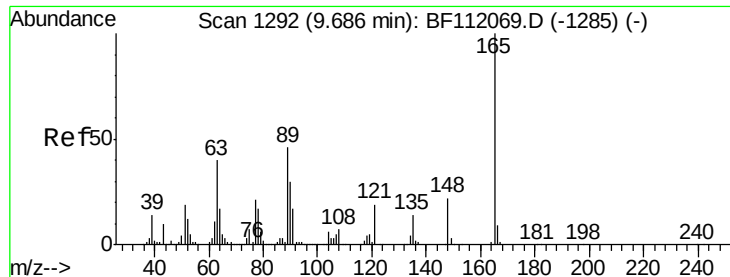
#45
 2-Fluorobiphenyl
 Concen: 98.349 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112167.D
 Acq: 21 Jan 2019 19:12

Tgt Ion:172 Resp: 2145649
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.5 45.7
 170 24.6 20.2 30.4



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: 8.552 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.21 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-B

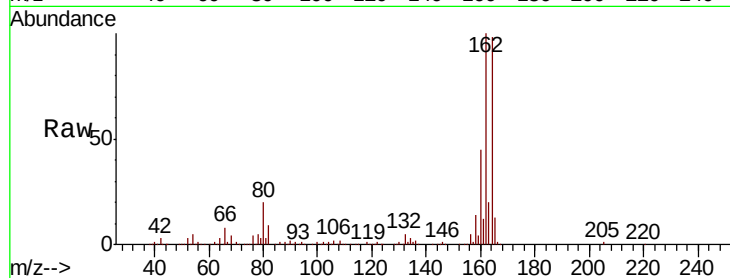
Tgt Ion:165 Resp: 39838

Ion Ratio Lower Upper

165 100

63 1.2 33.8 50.8#

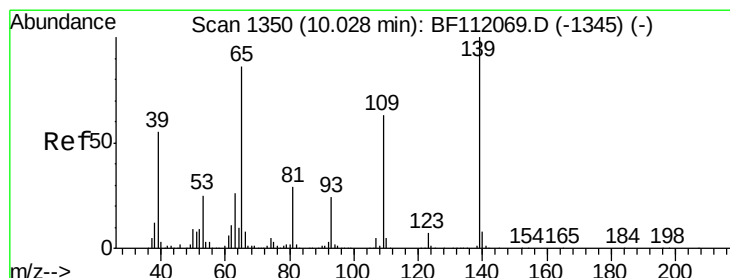
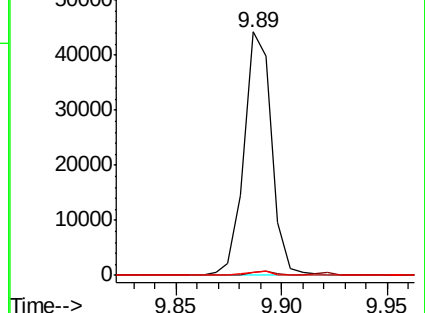
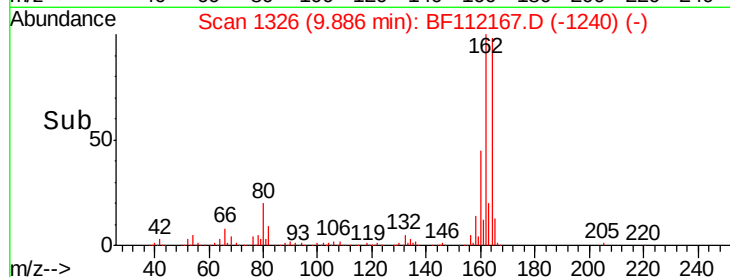
89 1.4 36.9 55.3#



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



#56

4-Nitrophenol

Concen: 6.186 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.07 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

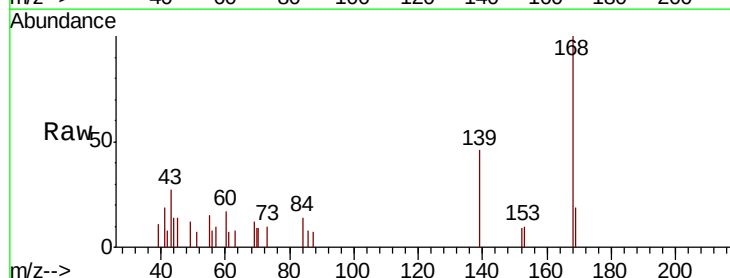
Tgt Ion:139 Resp: 2127

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

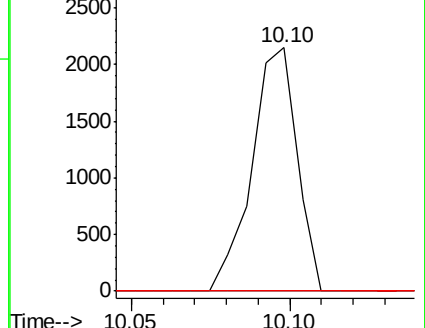
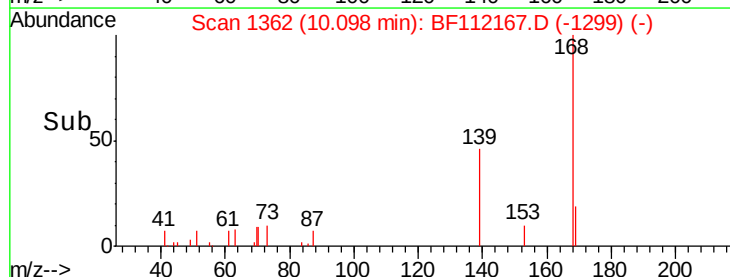
65 0.0 66.1 106.1#

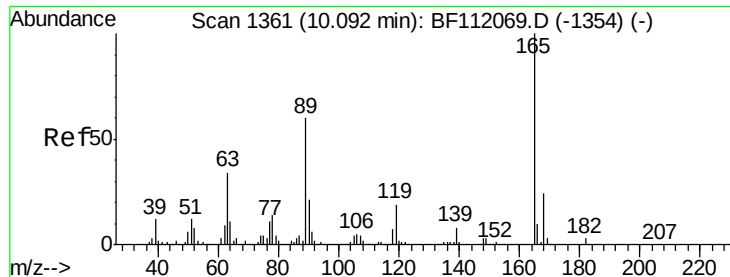


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 10.608 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-B

Tgt Ion:165 Resp: 39838

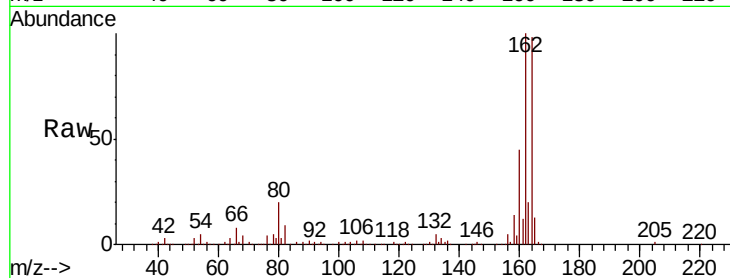
Ion Ratio Lower Upper

165 100

63 1.2 27.9 41.9#

89 1.4 47.9 71.9#

182 0.0 2.2 3.4#

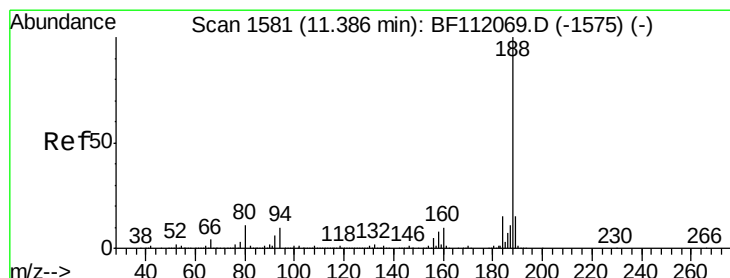
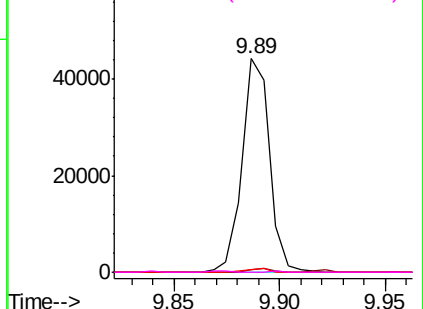
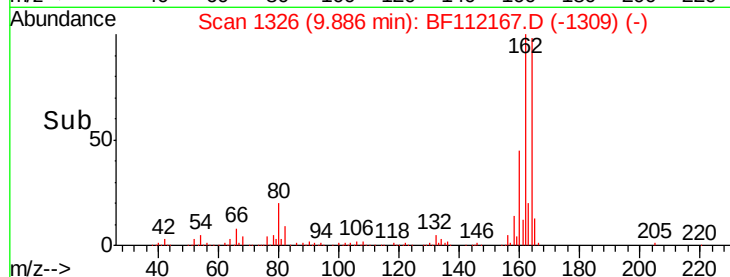


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112167.D

Acq: 21 Jan 2019 19:12

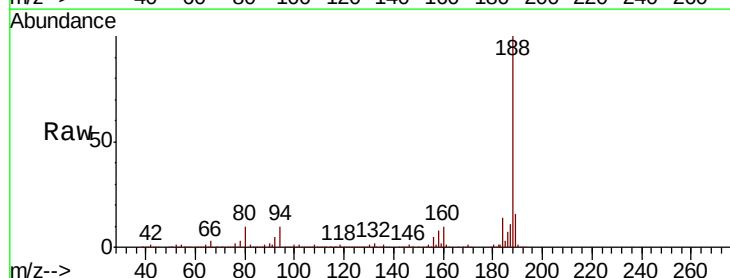
Tgt Ion:188 Resp: 582614

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

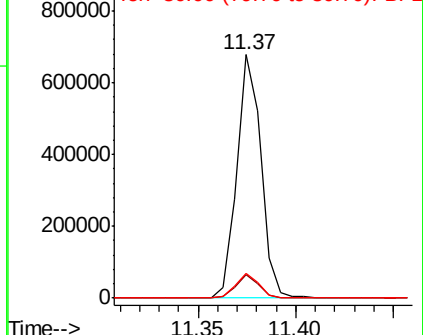
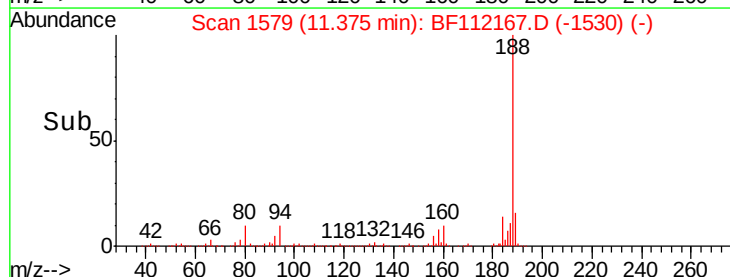
80 10.2 8.9 13.3

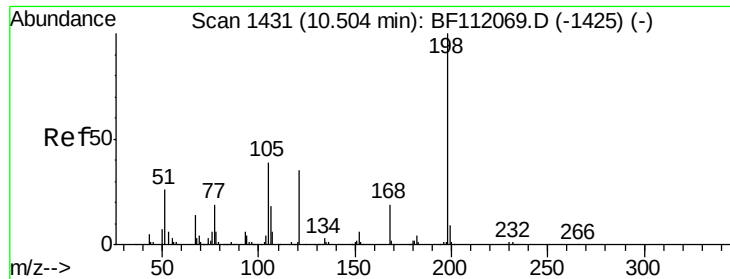


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

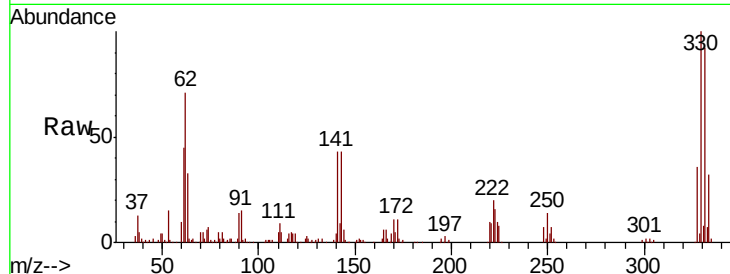




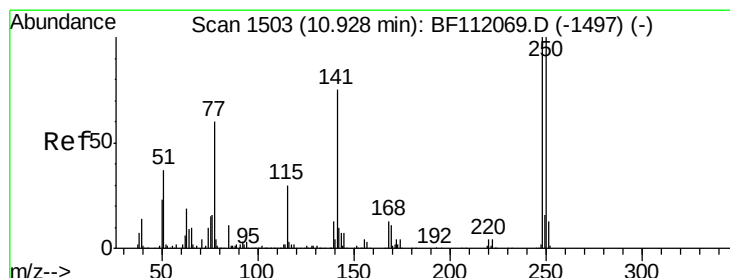
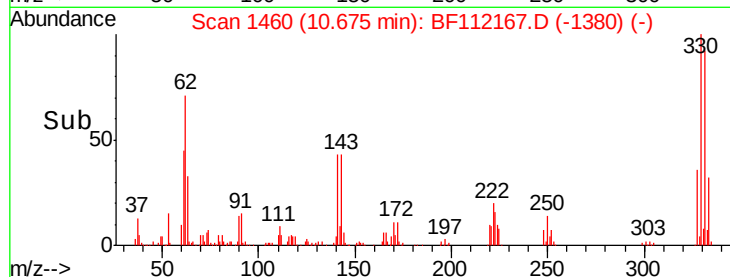
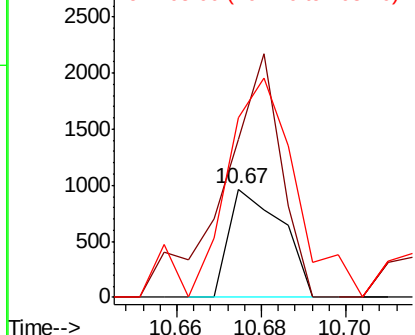
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.344 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.17 min
 Lab File: BF112167.D
 Acq: 21 Jan 2019 19:12

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-B

Tgt Ion:198 Resp: 845
 Ion Ratio Lower Upper
 198 100
 51 145.1 17.2 57.2#
 105 165.0 21.9 61.9#

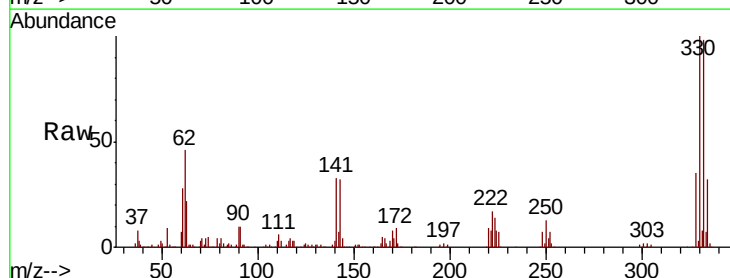


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

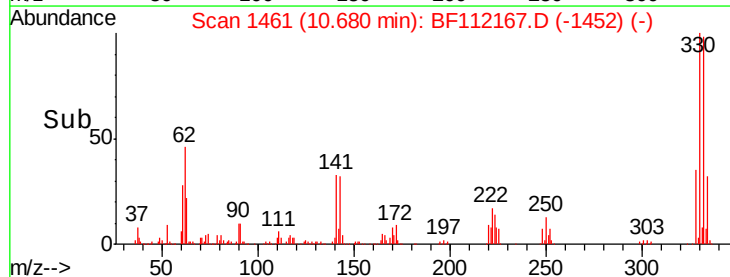
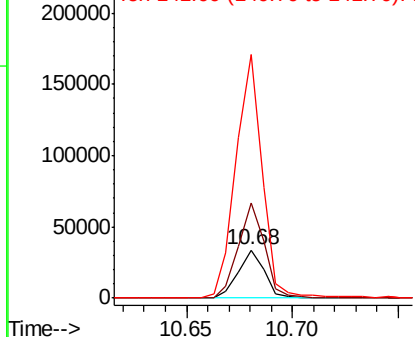


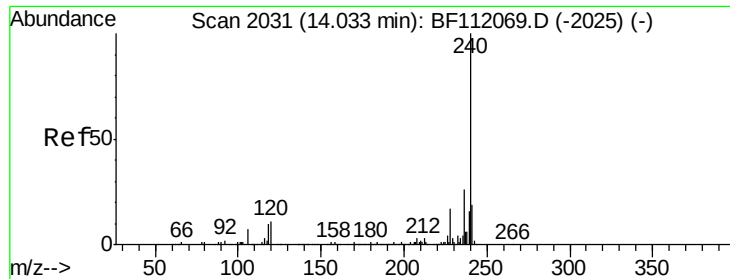
#67
 4-Bromophenyl-phenylether
 Concen: 4.294 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF112167.D
 Acq: 21 Jan 2019 19:12

Tgt Ion:248 Resp: 29056
 Ion Ratio Lower Upper
 248 100
 250 197.6 79.7 119.5#
 141 505.6 60.3 90.5#



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

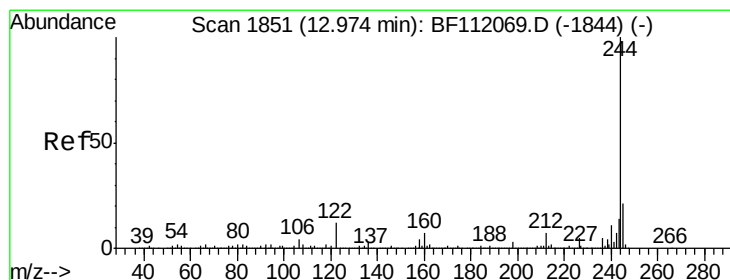
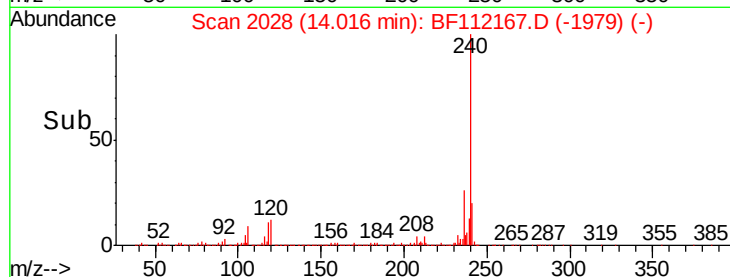
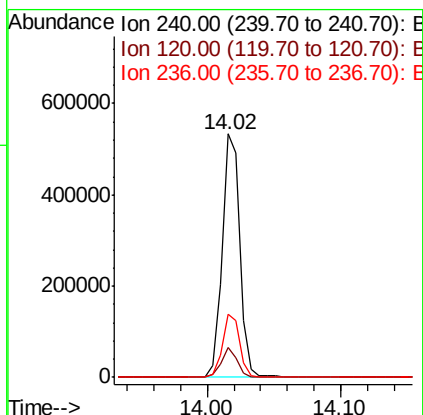
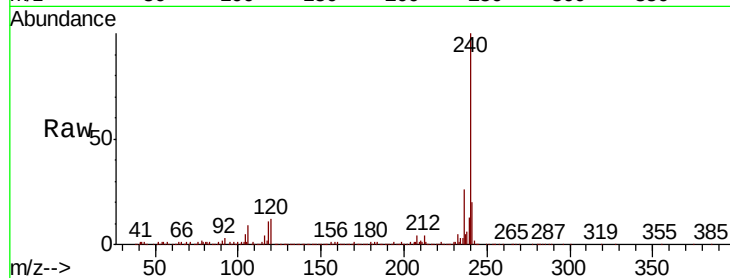




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

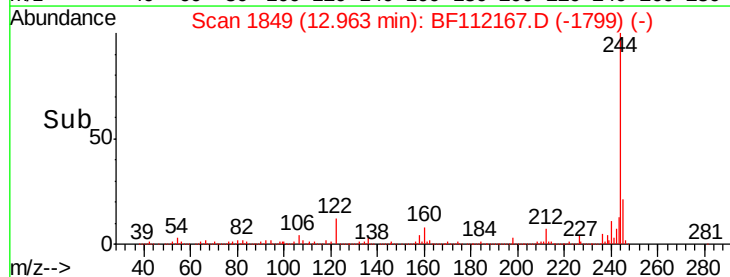
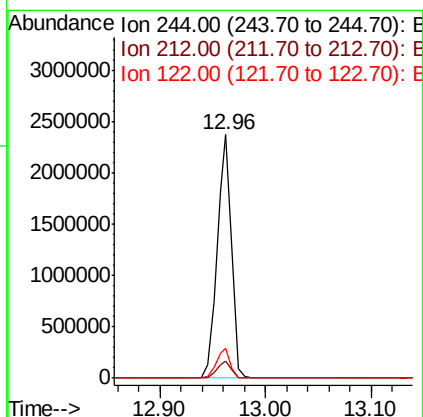
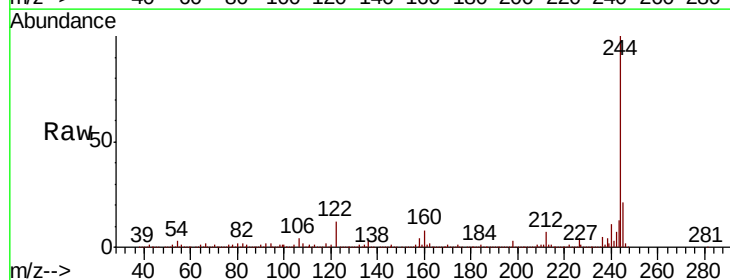
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

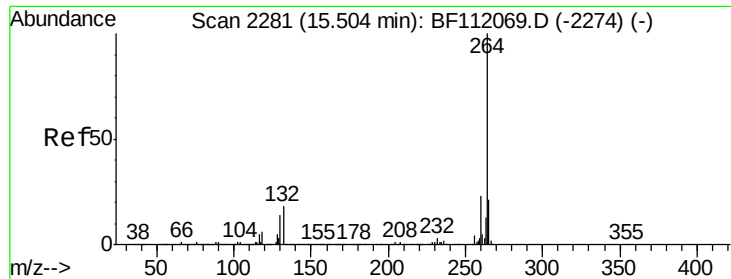
Tgt Ion:240 Resp: 501352
Ion Ratio Lower Upper
240 100
120 12.4 9.0 13.6
236 25.7 20.7 31.1



#79
Terphenyl-d14
Concen: 96.384 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Tgt Ion:244 Resp: 2271449
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 12.1 9.8 14.6

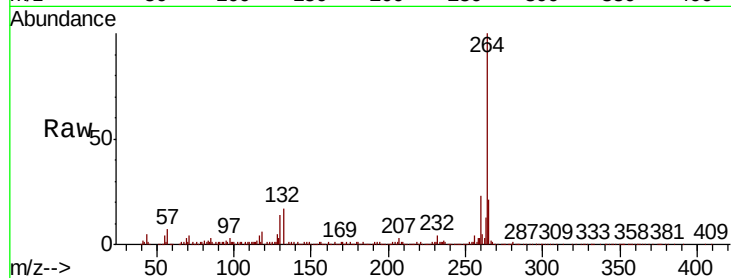




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112167.D
Acq: 21 Jan 2019 19:12

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:	264	Resp:	367248
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	21.2	17.0	25.4



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

