

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111747.D
 Acq On : 27 Dec 2018 7:12
 Operator : JU/SJ
 Sample : J6533-01 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22949

Quant Time: Dec 27 07:54:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	122429	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	427170	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	192511	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	364806	20.00	ng	0.01
76) Chrysene-d12	14.09	240	227120	20.00	ng	0.04
87) Perylene-d12	15.58	264	205356	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	44489	6.19	ng	0.01
7) Phenol-d6	6.53	99	55969	6.12	ng	0.01
23) Nitrobenzene-d5	7.46	82	39857	5.43	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	13324	5.86	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	68698	5.20	ng	0.00
79) Terphenyl-d14	13.02	244	62812	5.24	ng	0.02

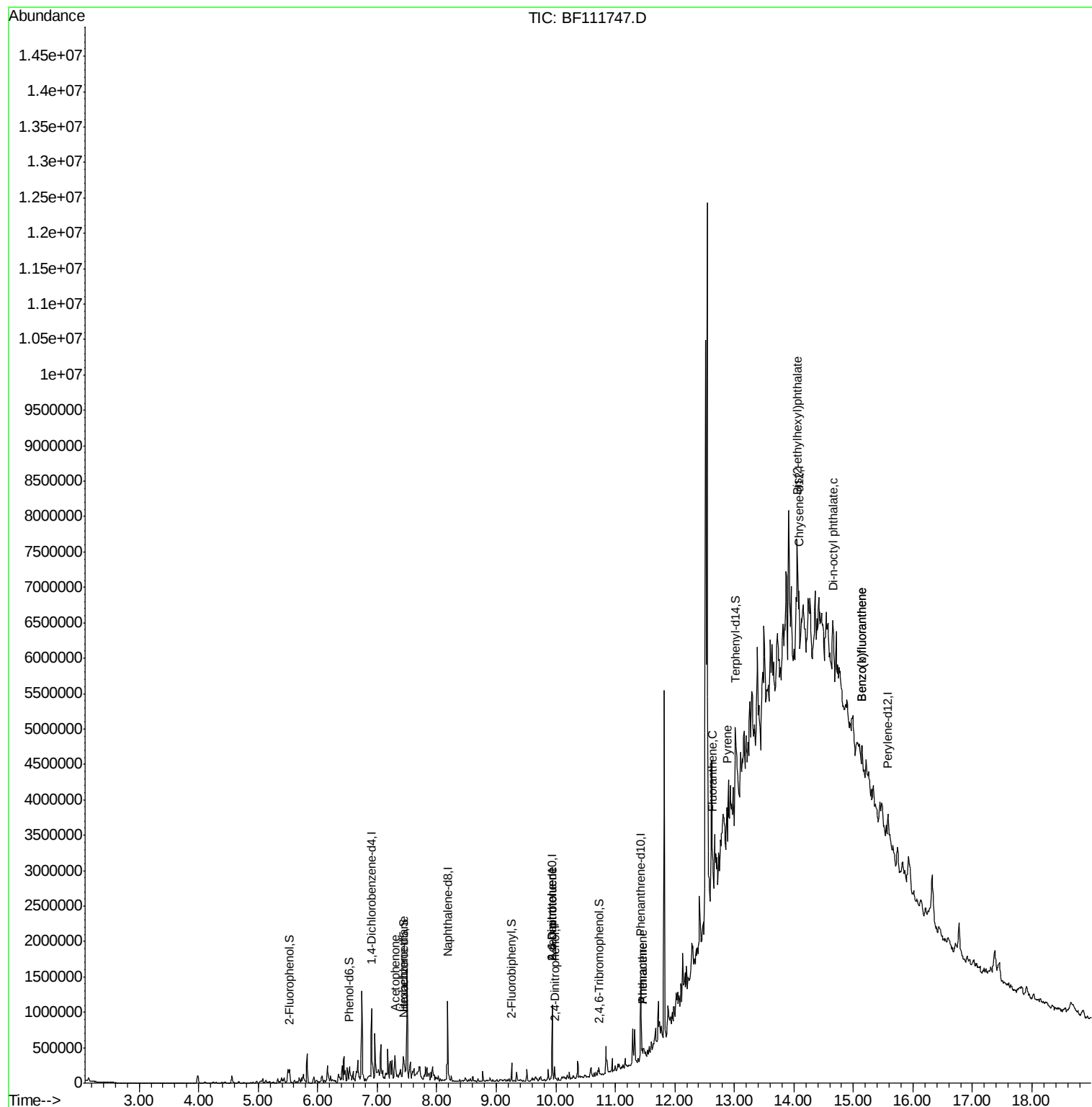
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.44	117	9500	3.015	ng	# 1
22) Acetophenone	7.30	105	30110	2.782	ng	# 41
51) 2,6-Dinitrotoluene	9.94	165	25391	9.045	ng	# 30
54) 2,4-Dinitrophenol	9.98	184	276	7.586	ng	# 1
57) 2,4-Dinitrotoluene	9.94	165	25391	7.526	ng	# 25
71) Phenanthrene	11.45	178	43435	2.245	ng	# 94
72) Anthracene	11.45	178	43435	2.237	ng	# 95
75) Fluoranthene	12.65	202	48318	2.466	ng	# 89
78) Pyrene	12.87	202	46703	2.912	ng	# 91
84) Bis(2-ethylhexyl)phthalate	14.06	149	449327	54.563	ng	# 100
85) Di-n-octyl phthalate	14.67	149	38891	3.048	ng	# 69
88) Benzo(b)fluoranthene	15.14	252	30784	2.565	ng	# 1
89) Benzo(k)fluoranthene	15.14	252	30784	2.694	ng	# 1

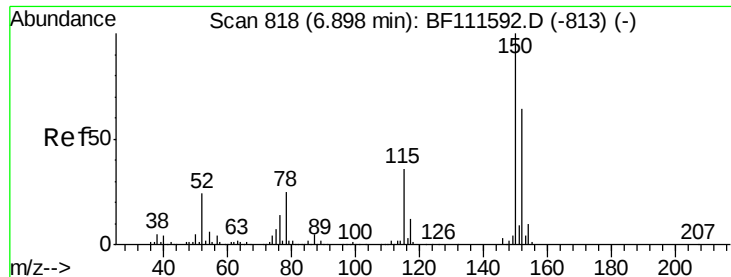
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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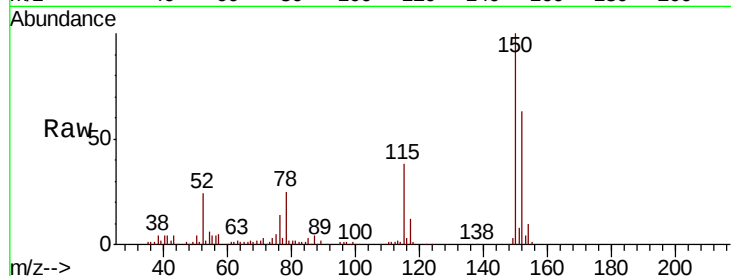


#1

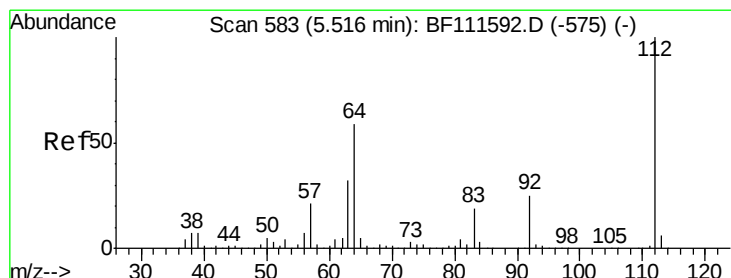
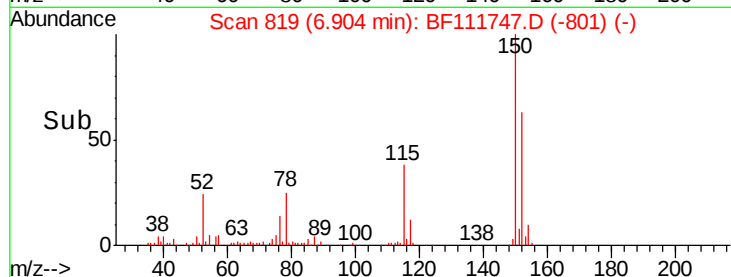
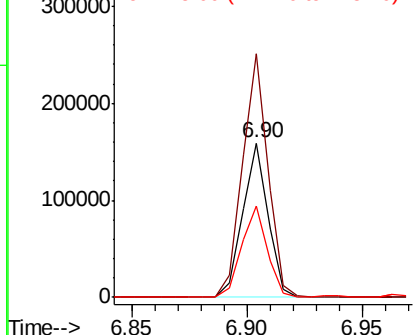
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

Instrument :
BNA_F
ClientSampleId :
22949

Tot Ion:152 Resp: 122429
Ion Ratio Lower Upper
152 100
150 157.7 126.6 189.8
115 59.5 50.7 76.1



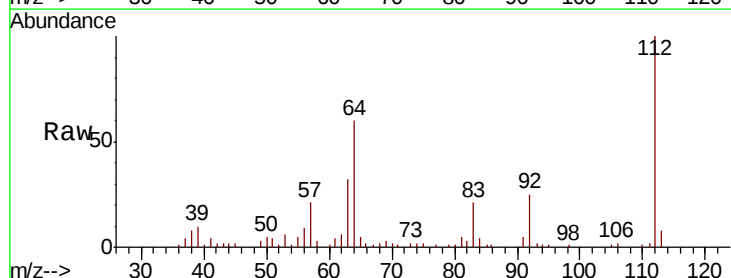
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



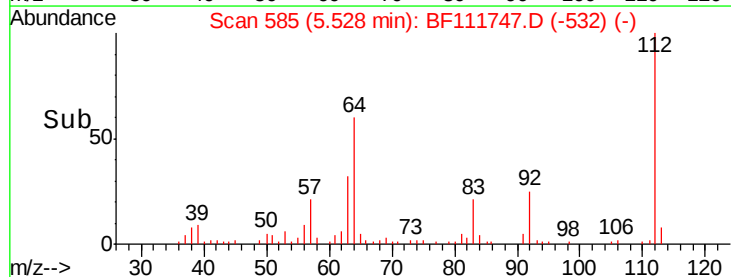
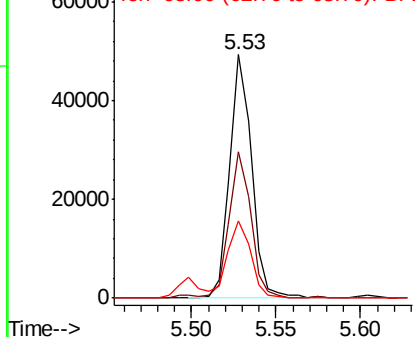
#5

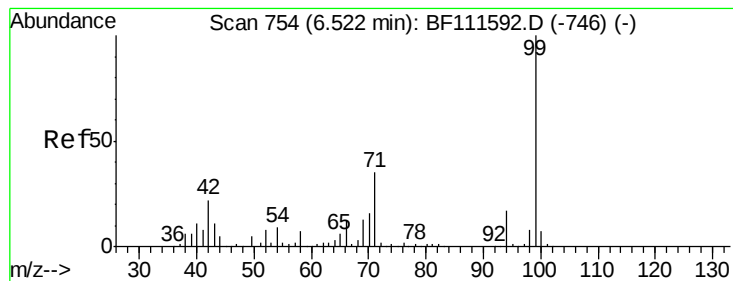
2-Fluorophenol
Concen: 6.194 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

Tgt Ion:112 Resp: 44489
Ion Ratio Lower Upper
112 100
64 60.2 51.8 77.6
63 31.9 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





#7

Phenol-d6

Concen: 6.123 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Instrument :

BNA_F

ClientSampleId :

22949

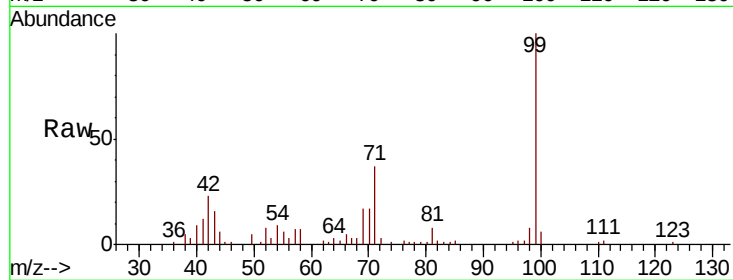
Tot Ion: 99 Resp: 55969

Ion Ratio Lower Upper

99 100

42 23.2 17.4 26.0

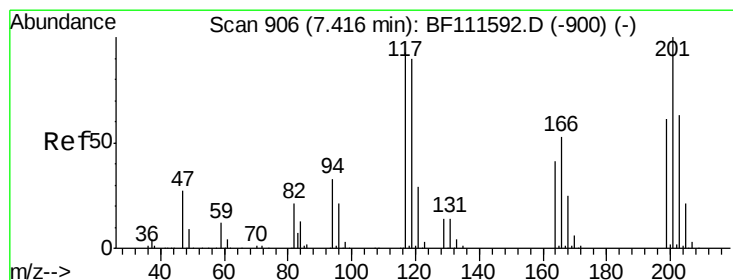
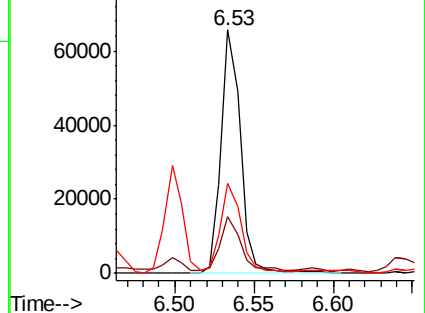
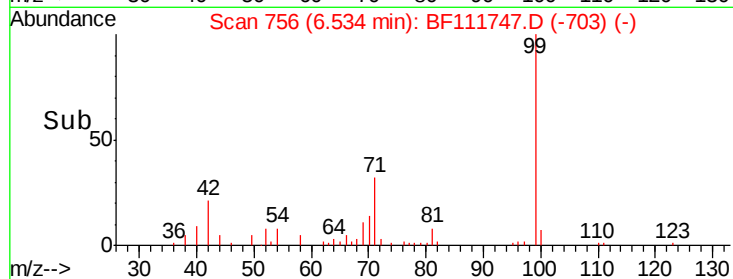
71 36.8 26.1 39.1



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



#18

Hexachloroethane

Concen: 3.015 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.02 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

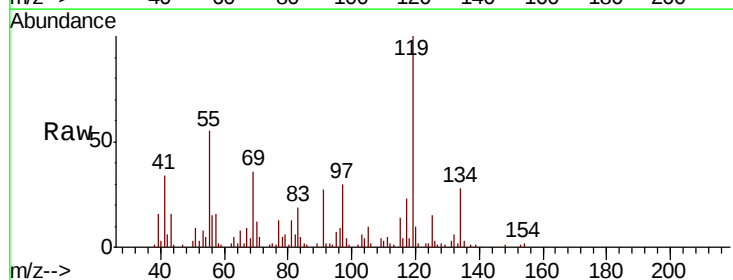
Tgt Ion: 117 Resp: 9500

Ion Ratio Lower Upper

117 100

119 434.4 75.4 113.0#

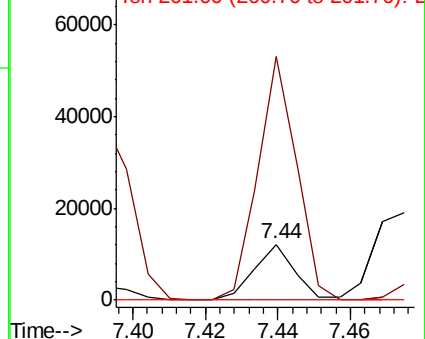
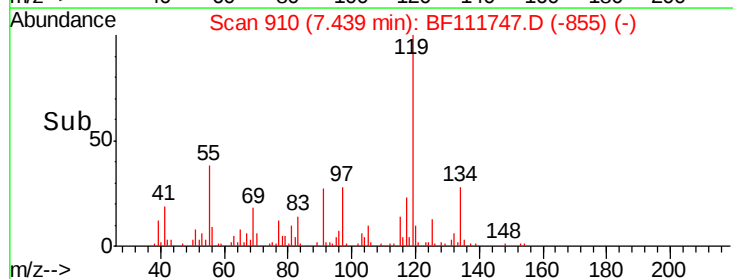
201 0.0 62.4 93.6#

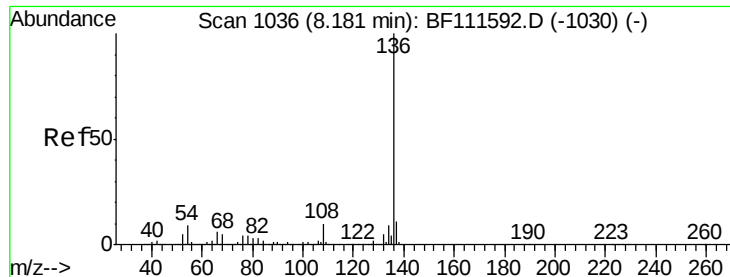


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Instrument :

BNA_F

ClientSampleId :

22949

Tot Ion:136 Resp: 427170

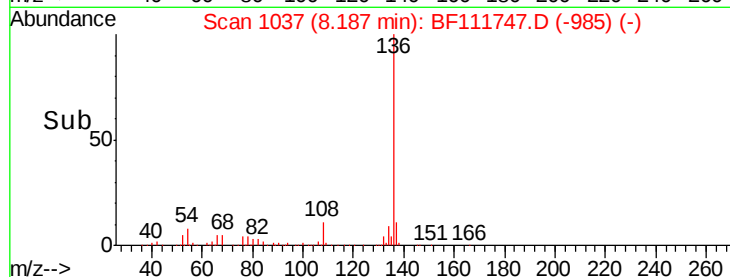
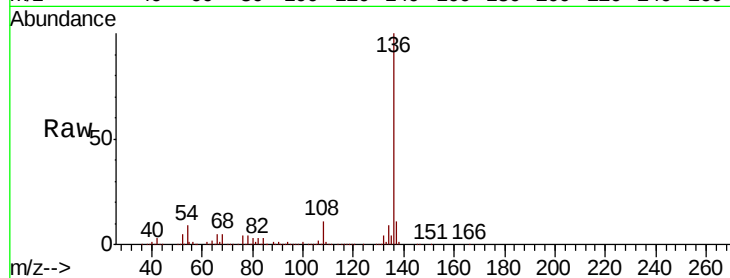
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.6 7.7 11.5

68 5.1 4.9 7.3

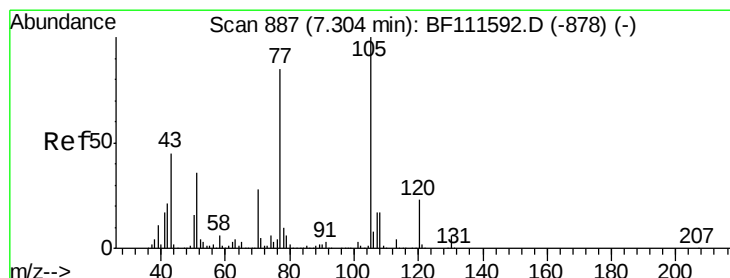
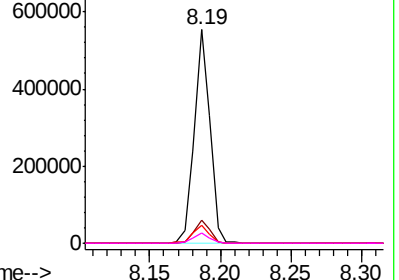


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.782 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Tgt Ion:105 Resp: 30110

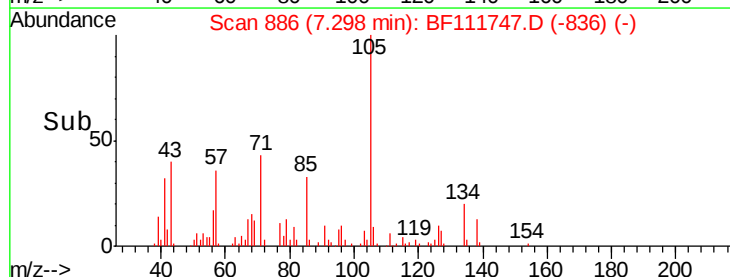
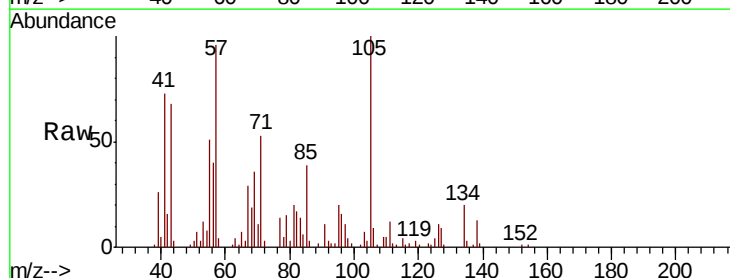
Ion Ratio Lower Upper

105 100

71 52.9 3.1 4.7#

51 7.3 36.6 54.8#

120 0.9 18.2 27.4#

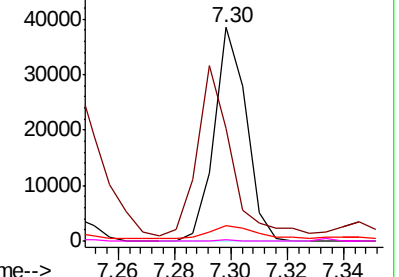


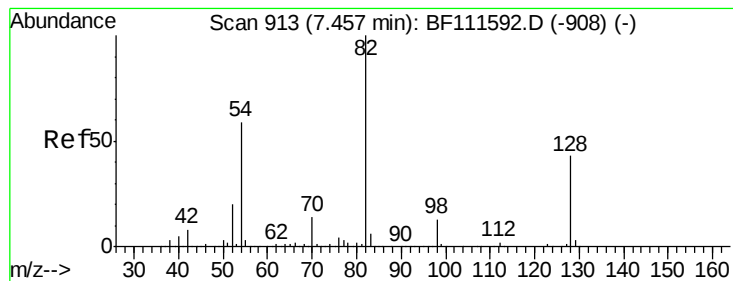
Abundance Ion 105.00 (104.70 to 105.70): E

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: 5.431 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Instrument :

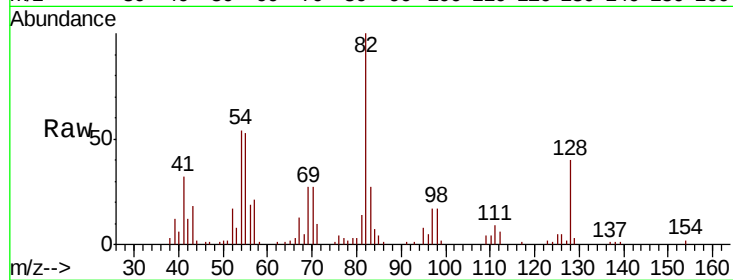
BNA_F

ClientSampleId :

22949

Tot Ion: 82 Resp: 39857

Ion	Ratio	Lower	Upper
82	100		
128	39.8	37.4	56.2
54	54.4	47.6	71.4

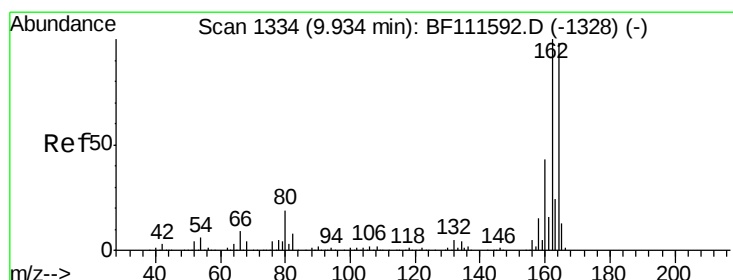
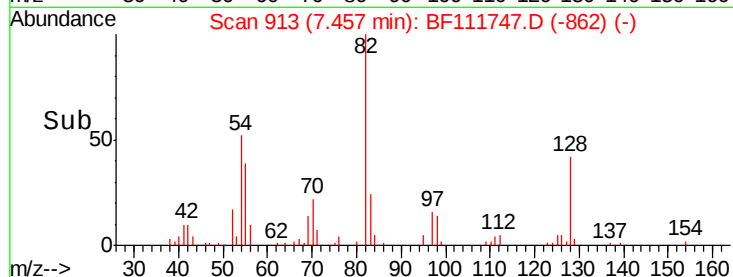
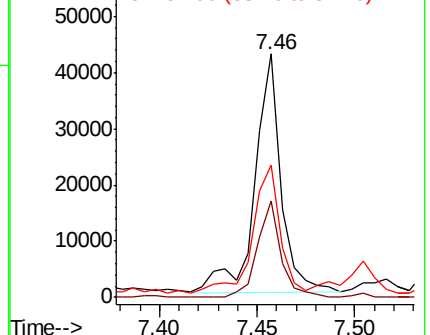


Abundance

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

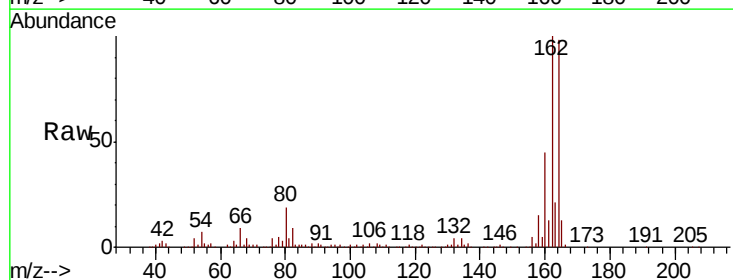
Delta R.T. 0.01 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Tgt Ion:164 Resp: 192511

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.4	122.0
160	45.8	35.7	53.5

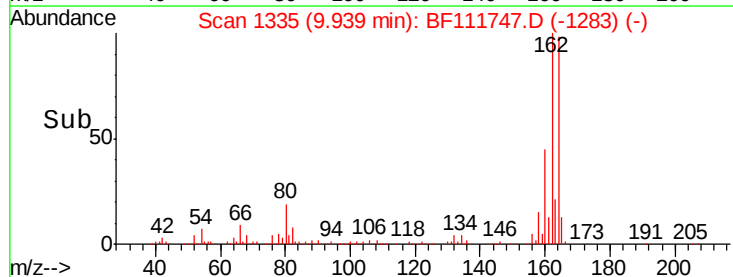
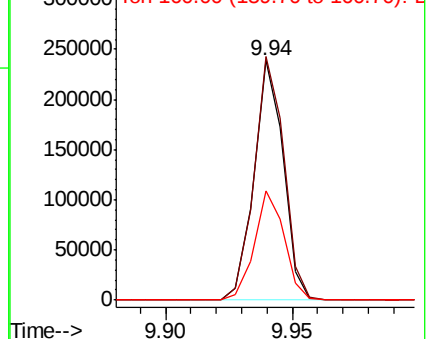


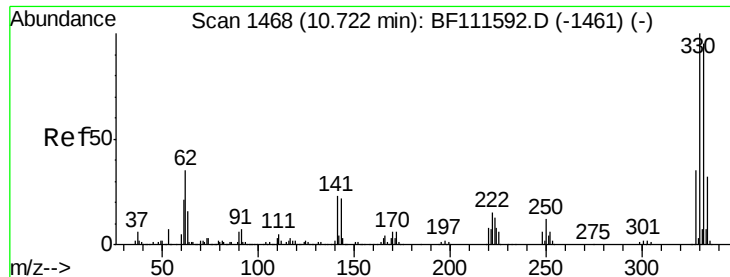
Abundance

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

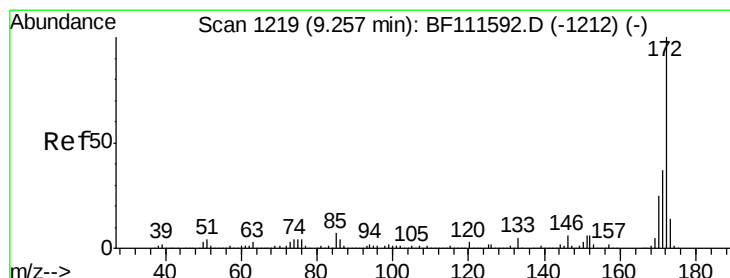
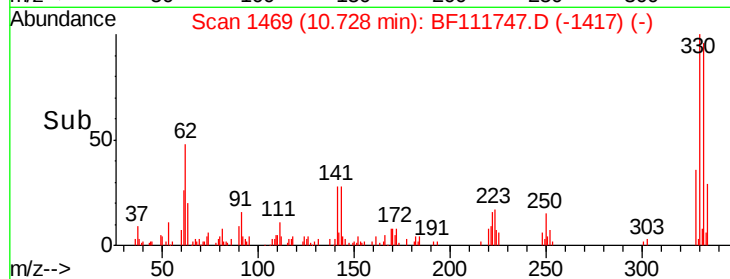
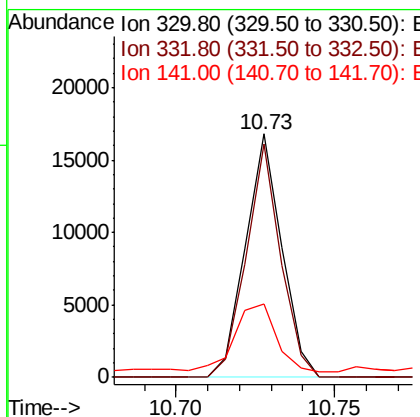
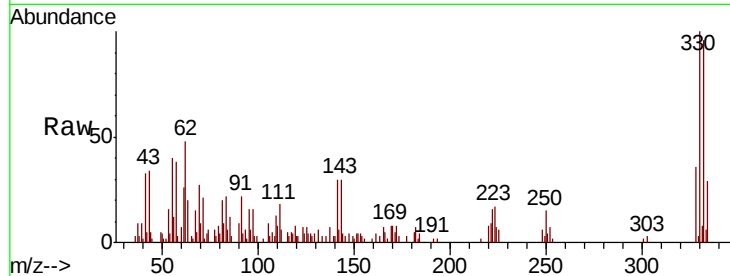




#42
 2,4,6-Tribromophenol
 Concen: 5.858 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111747.D
 Acq: 27 Dec 2018 7:12

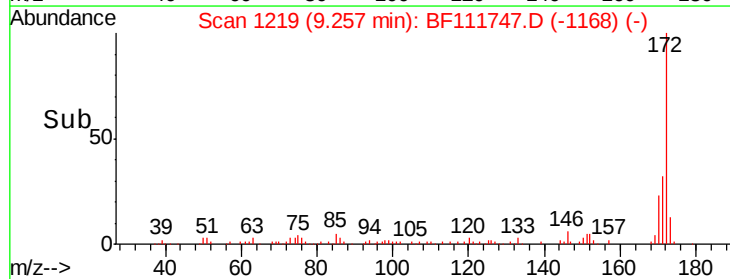
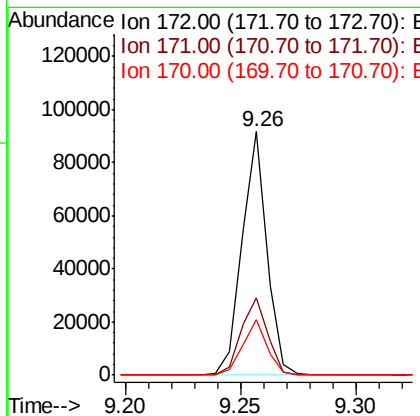
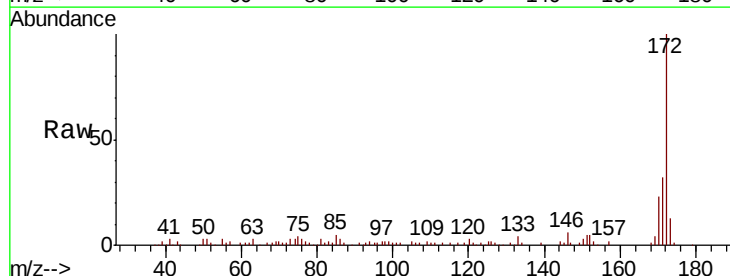
Instrument :
 BNA_F
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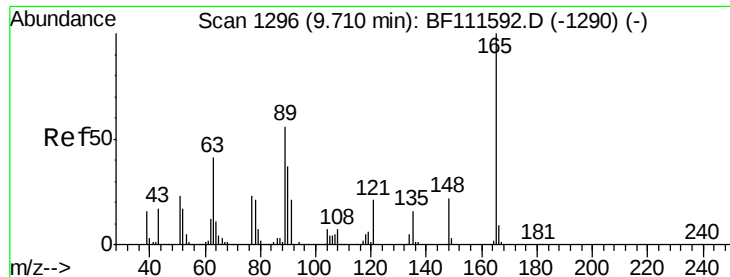
Tot Ion:330 Resp: 13324
 Ion Ratio Lower Upper
 330 100
 332 91.2 76.0 114.0
 141 33.8 31.0 46.6



#45
 2-Fluorobiphenyl
 Concen: 5.201 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111747.D
 Acq: 27 Dec 2018 7:12

Tgt Ion:172 Resp: 68698
 Ion Ratio Lower Upper
 172 100
 171 31.9 33.0 49.4#
 170 23.0 22.3 33.5

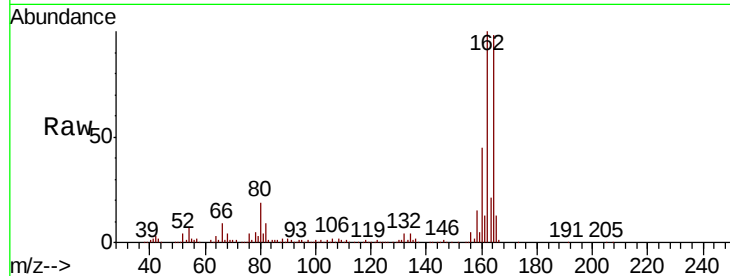




#51
2,6-Dinitrotoluene
Concen: 9.045 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.23 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

Instrument :
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ClientSampleId :
22949

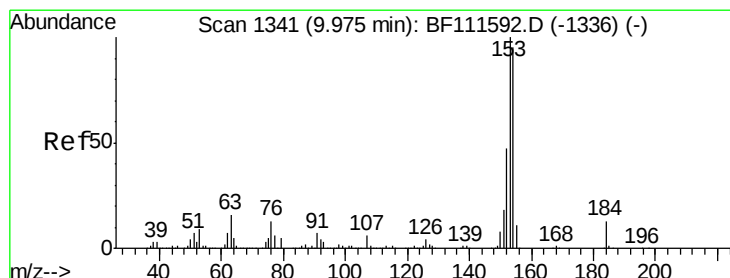
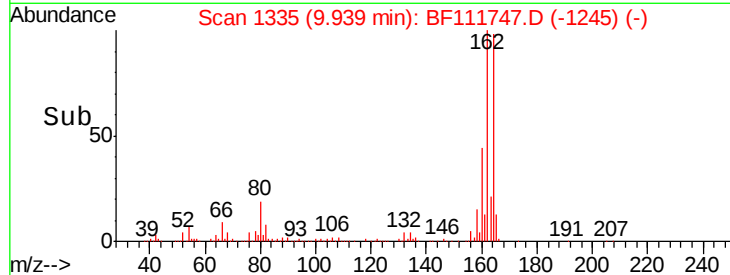
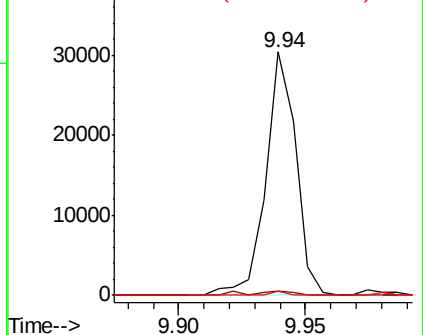
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.5	60.7#
89	1.8	40.0	60.0#



Abundance Ion 165.00 (164.70 to 165.70): E

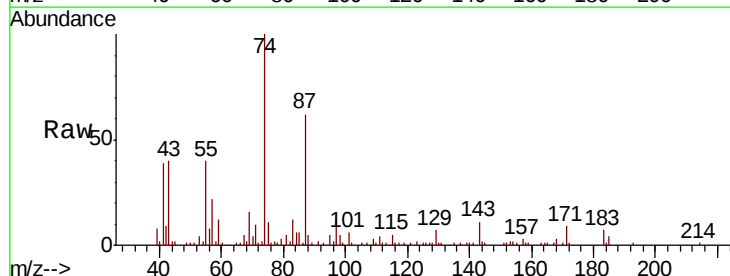
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#54
2,4-Dinitrophenol
Concen: 7.586 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

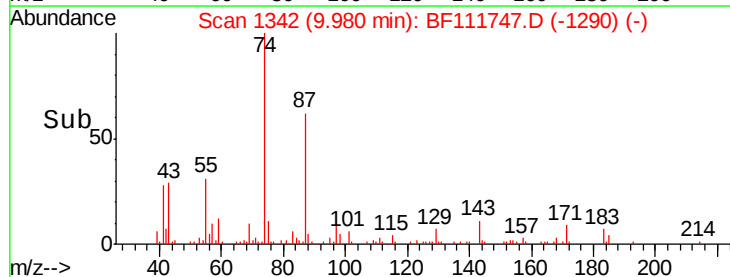
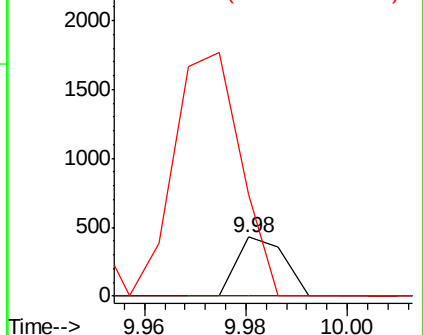
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	62.3	93.5#
154	172.5	56.2	84.2#

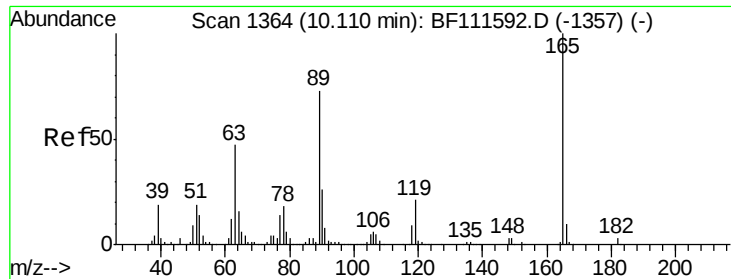


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

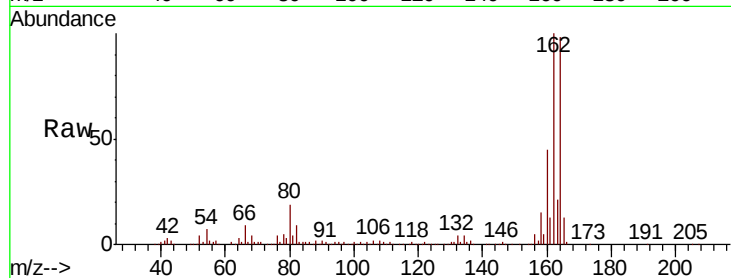




#57
 2,4-Dinitrotoluene
 Concen: 7.526 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111747.D
 Acq: 27 Dec 2018 7:12

Instrument :
 BNA_F
 ClientSampleId :
 22949

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.8	56.2	84.4#
182	0.0	1.8	2.6#

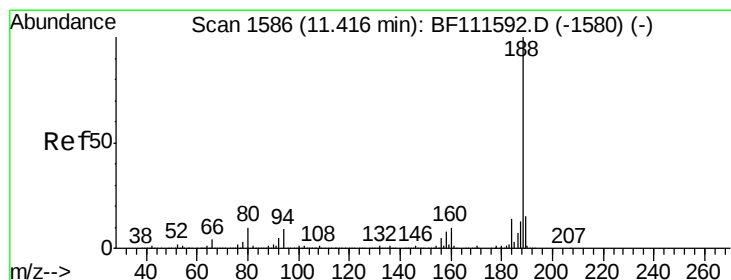
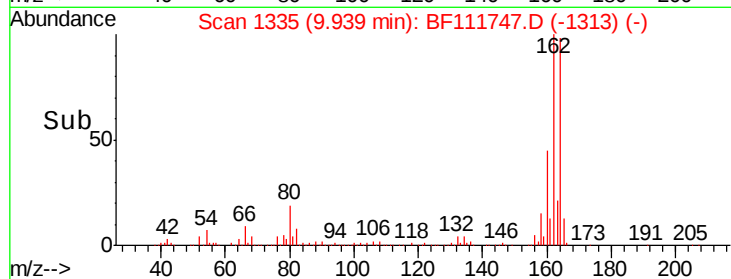
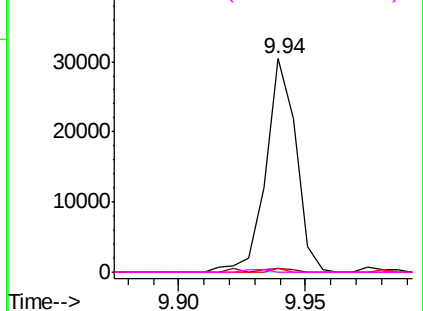


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

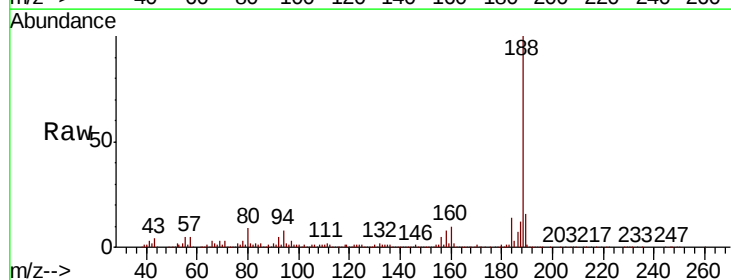
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111747.D
 Acq: 27 Dec 2018 7:12

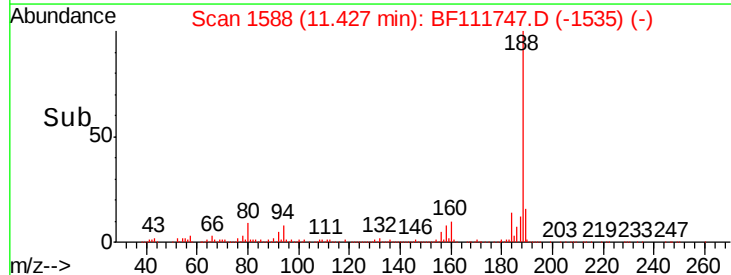
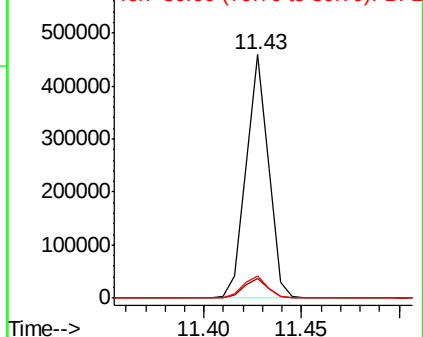
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.6	14.4#
80	9.3	9.8	14.6#

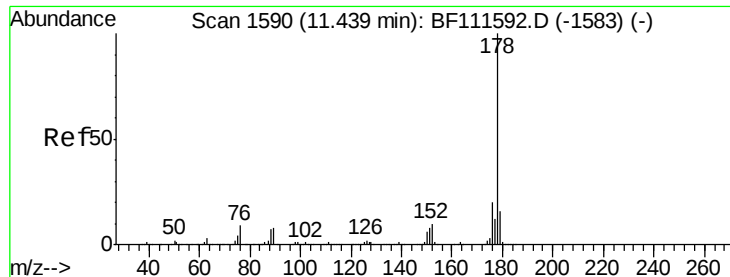


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.245 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Instrument :

BNA_F

ClientSampleId :

22949

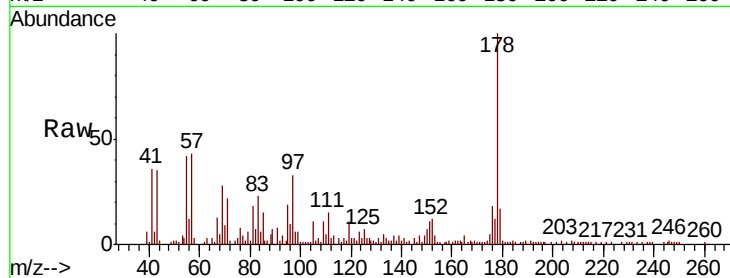
Tot Ion:178 Resp: 43435

Ion Ratio Lower Upper

178 100

176 18.0 18.1 27.1#

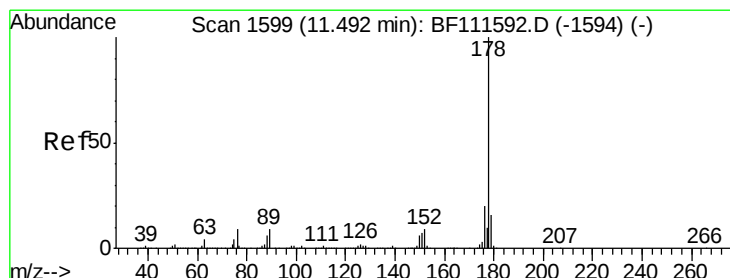
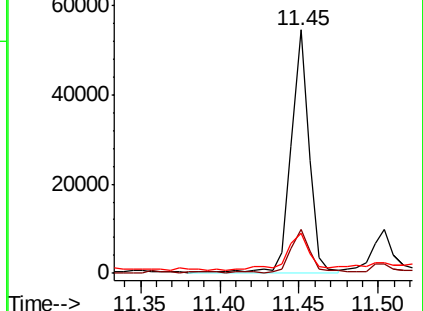
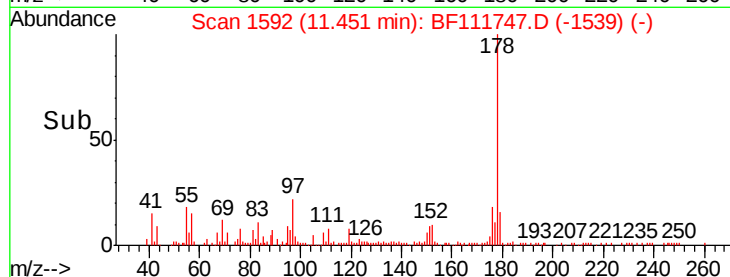
179 16.6 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.237 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.04 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

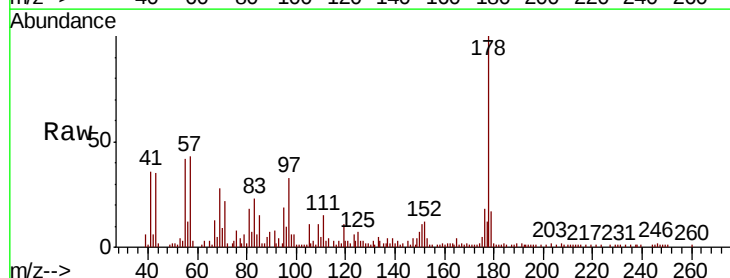
Tgt Ion:178 Resp: 43435

Ion Ratio Lower Upper

178 100

176 18.0 17.2 25.8

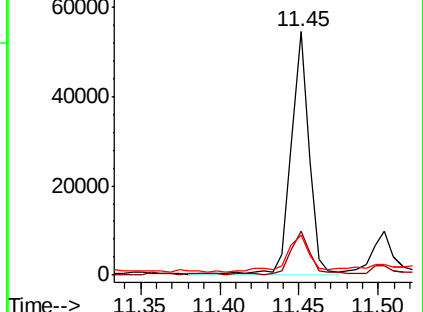
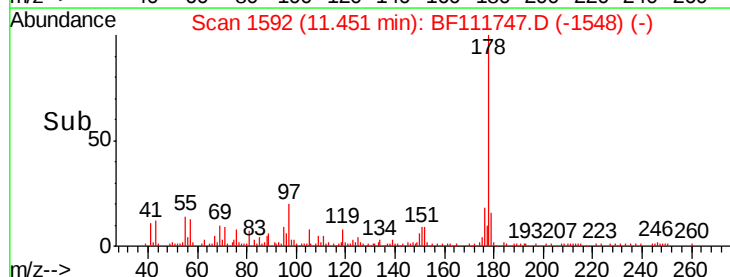
179 16.6 13.8 20.8

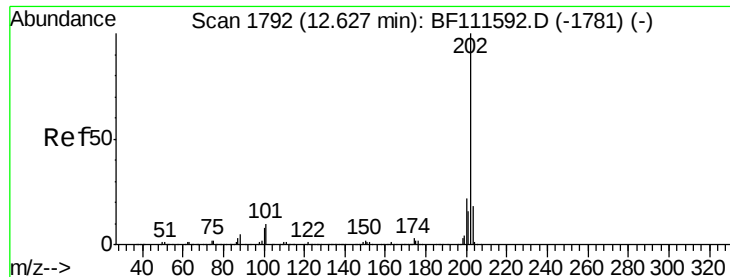


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.466 ng

RT: 12.65 min Scan# 1795

Delta R.T. 0.02 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Instrument :

BNA_F

ClientSampleId :

22949

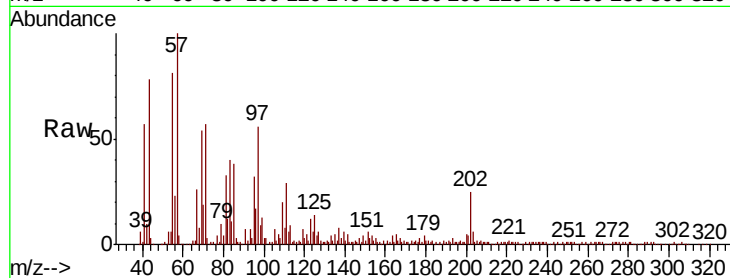
Tot Ion:202 Resp: 48318

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.8

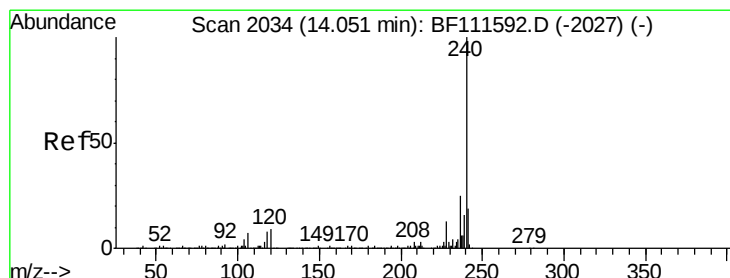
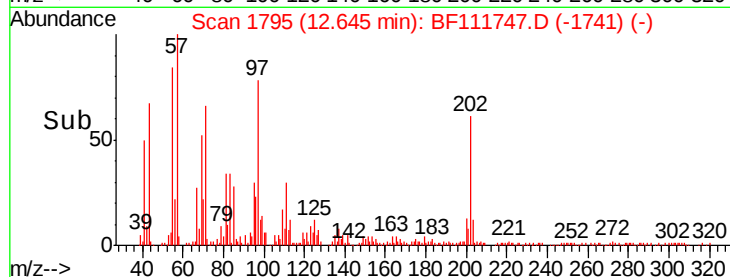
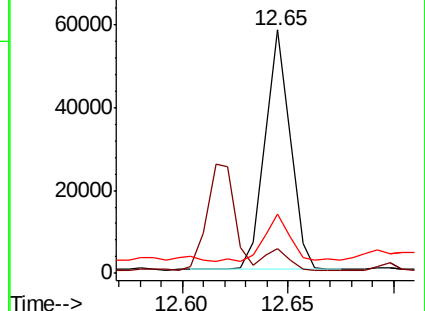
203 24.3 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

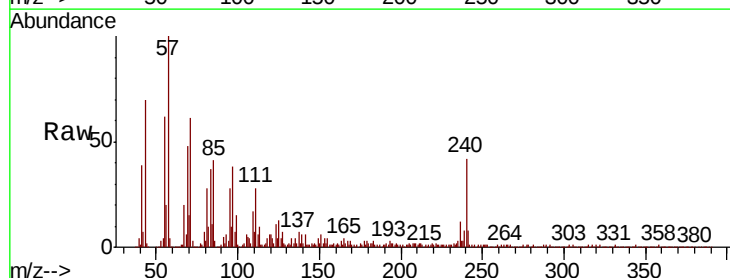
Tgt Ion:240 Resp: 227120

Ion Ratio Lower Upper

240 100

120 13.9 12.2 18.2

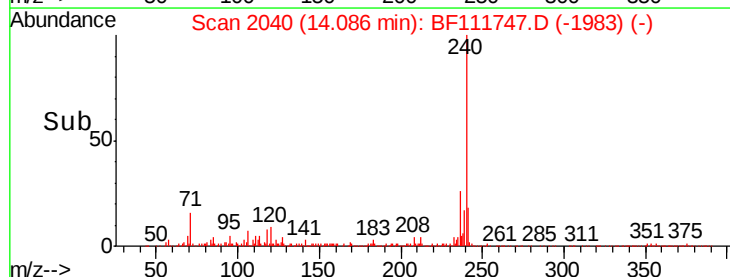
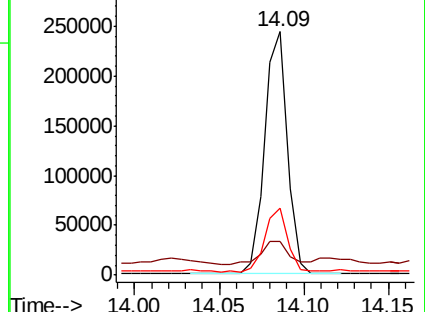
236 27.5 20.2 30.2

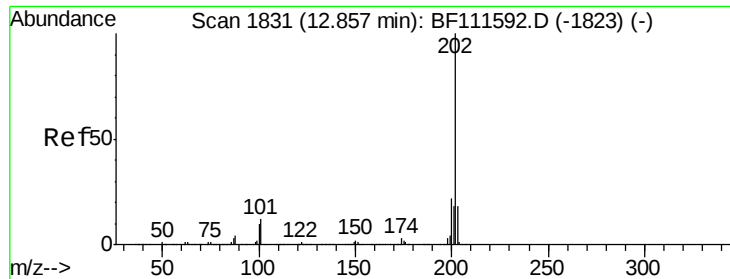


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

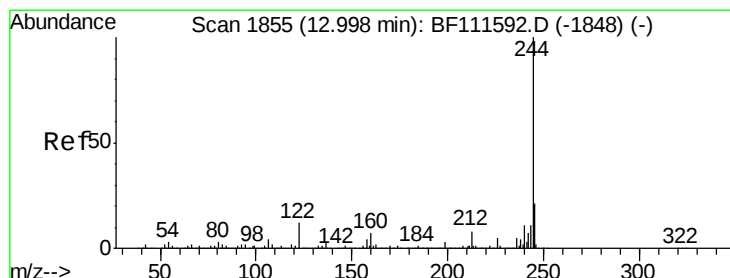
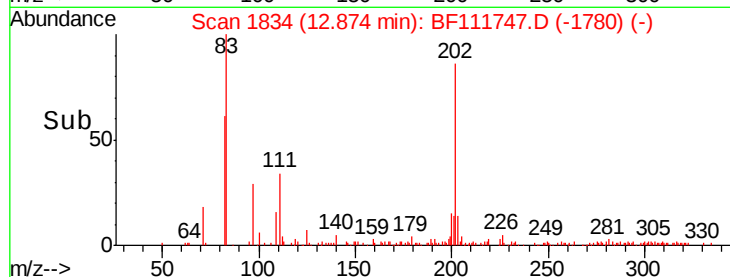
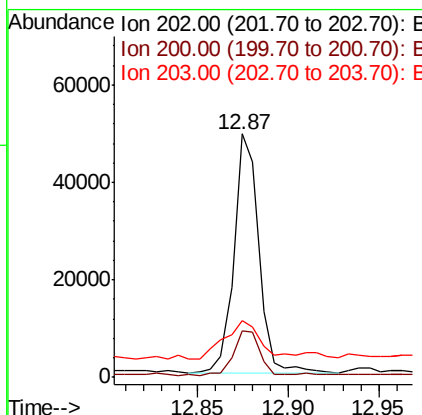
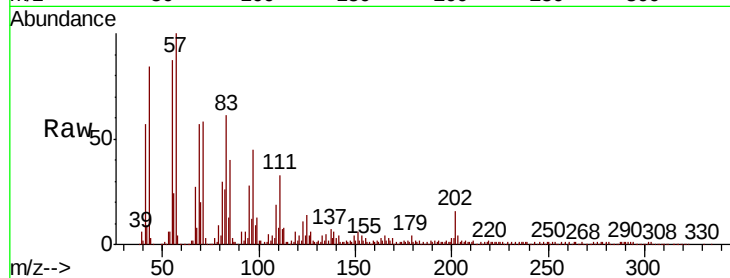




#78
Pvrene
Concen: 2.912 ng
RT: 12.87 min Scan# 1834
Delta R.T. 0.02 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

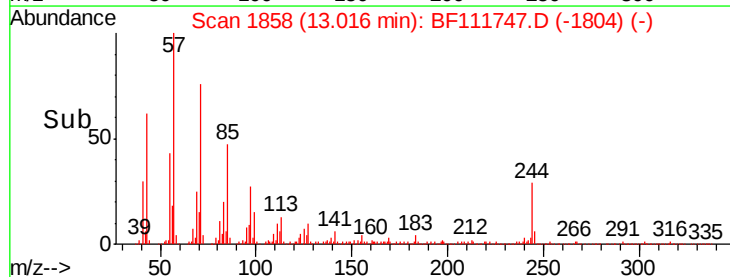
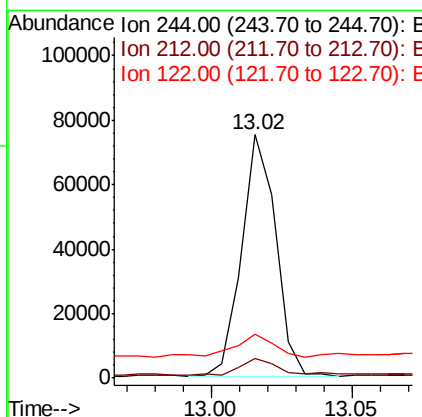
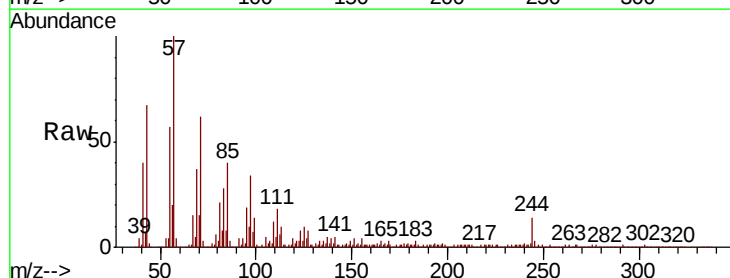
Instrument :
BNA_F
ClientSampleId :
22949

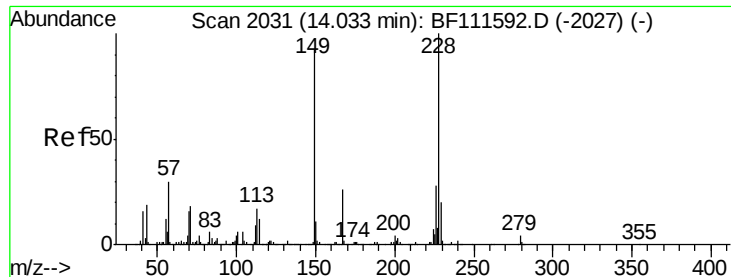
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.2	19.0	28.4
203	23.4	15.2	22.8



#79
Terphenyl-d14
Concen: 5.245 ng
RT: 13.02 min Scan# 1858
Delta R.T. 0.02 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.7	8.5
122	18.1	13.1	19.7

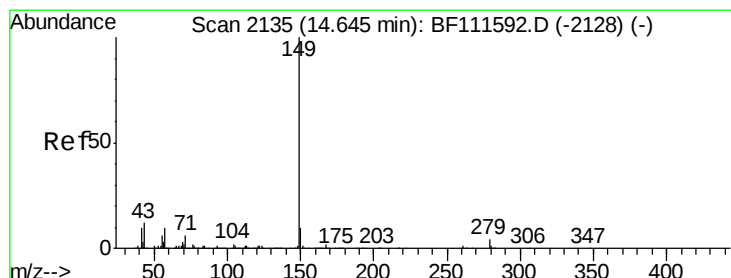
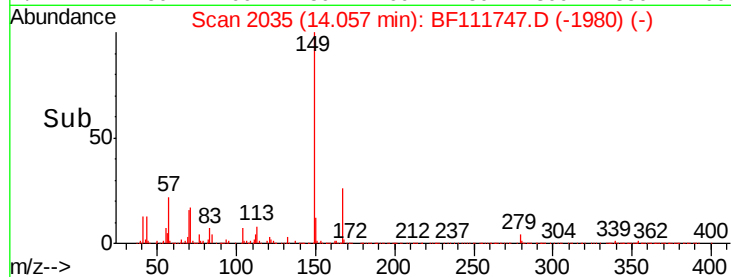
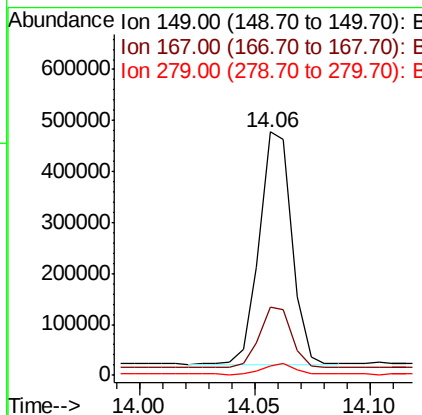
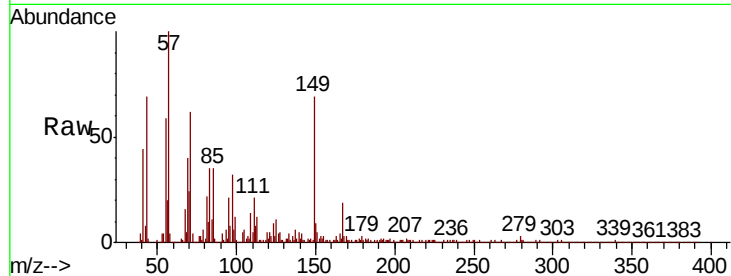




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.563 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.02 min
 Lab File: BF111747.D
 Acq: 27 Dec 2018 7:12

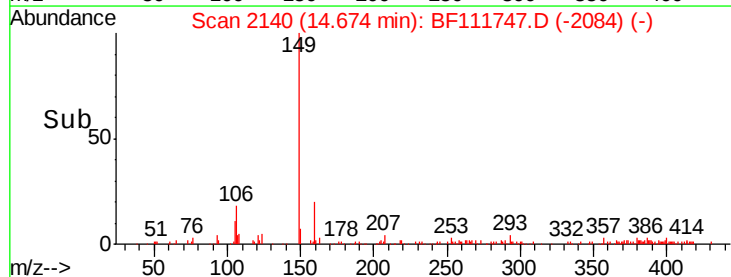
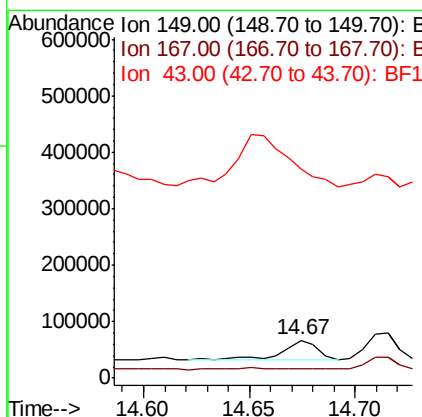
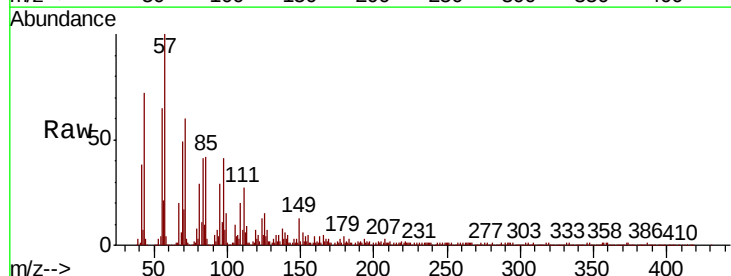
Instrument :
 BNA_F
 ClientSampleId :
 22949

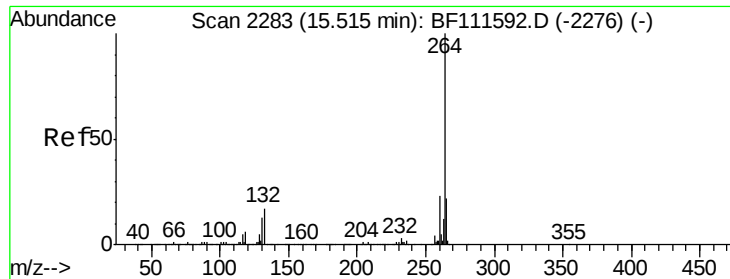
Tot Ion:149 Resp: 449327
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.5 33.7
 279 4.1 2.6 4.0#



#85
 Di-n-octyl phthalate
 Concen: 3.048 ng
 RT: 14.67 min Scan# 2140
 Delta R.T. 0.03 min
 Lab File: BF111747.D
 Acq: 27 Dec 2018 7:12

Tgt Ion:149 Resp: 38891
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 0.0 10.9 16.3#

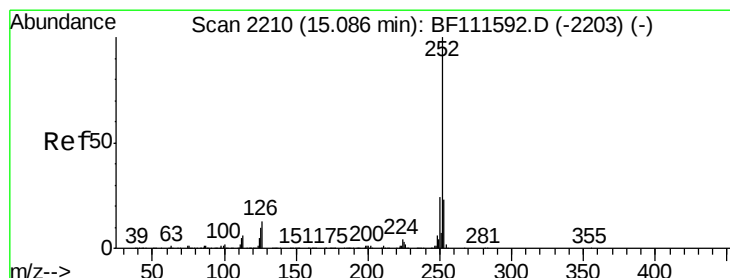
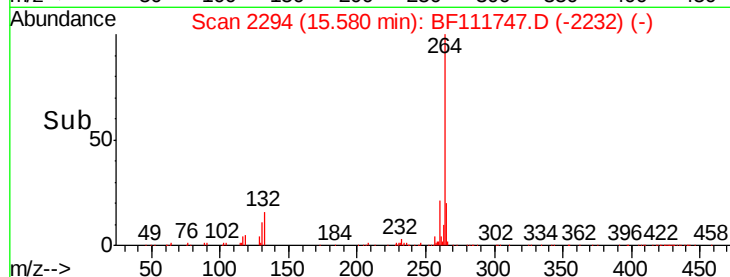
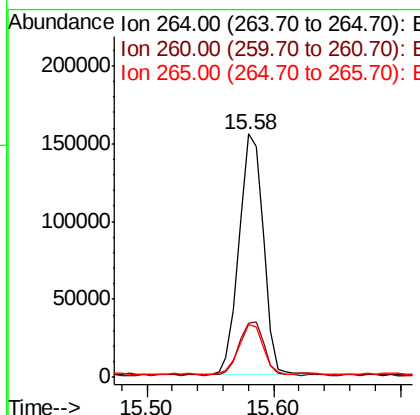
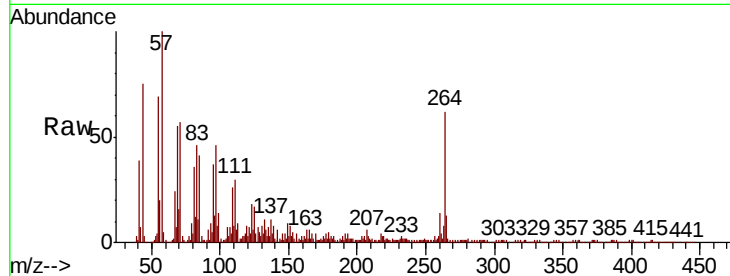




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.06 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

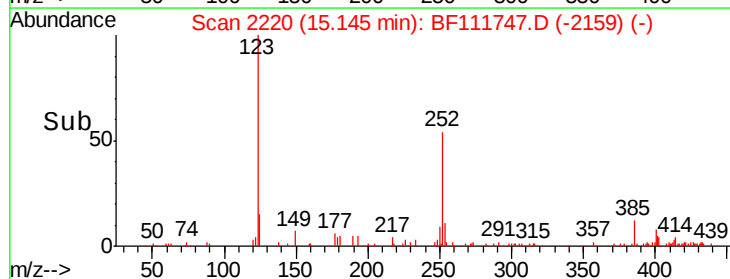
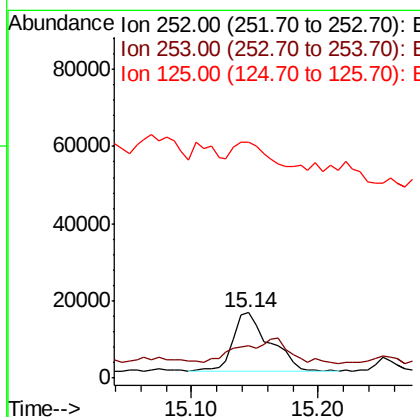
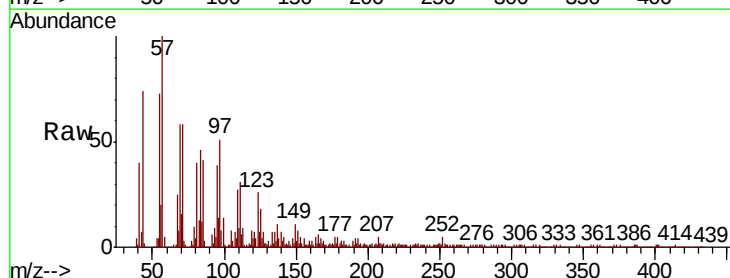
Instrument :
BNA_F
ClientSampleId :
22949

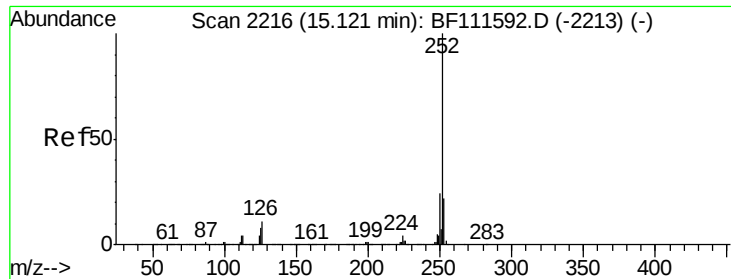
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.3	27.5
265	21.8	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 2.565 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.06 min
Lab File: BF111747.D
Acq: 27 Dec 2018 7:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	49.9	18.2	27.2#
125	360.8	10.4	15.6#





#89

Benzo(k)fluoranthene

Concen: 2.694 ng

RT: 15.14 min Scan# 2220

Delta R.T. 0.02 min

Lab File: BF111747.D

Acq: 27 Dec 2018 7:12

Instrument :

BNA_F

ClientSampleId :

22949

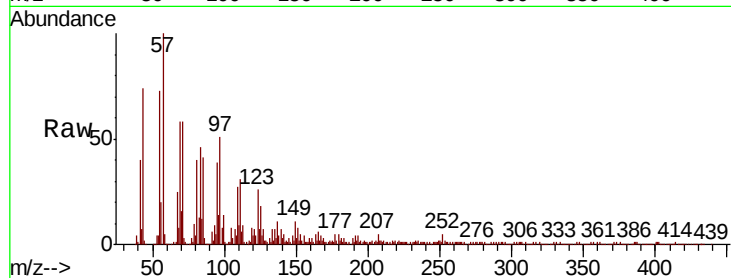
Tot Ion:252 Resp: 30784

Ion Ratio Lower Upper

252 100

253 49.9 18.1 27.1#

125 360.8 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

