

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111840.D
 Acq On : 4 Jan 2019 00:00
 Operator : JU/SJ
 Sample : K1019-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:20:23 2019
 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	242329	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	894050	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	406945	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	549710	20.00	ng	0.01
76) Chrysene-d12	14.07	240	477272	20.00	ng	0.02
87) Perylene-d12	15.56	264	253343	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1390034	97.77	ng	0.02
7) Phenol-d6	6.55	99	1822650	100.74	ng	0.02
23) Nitrobenzene-d5	7.46	82	1107906	72.13	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	334004	69.46	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2095687	75.06	ng	0.00
79) Terphenyl-d14	13.01	244	1246638	49.53	ng	0.01

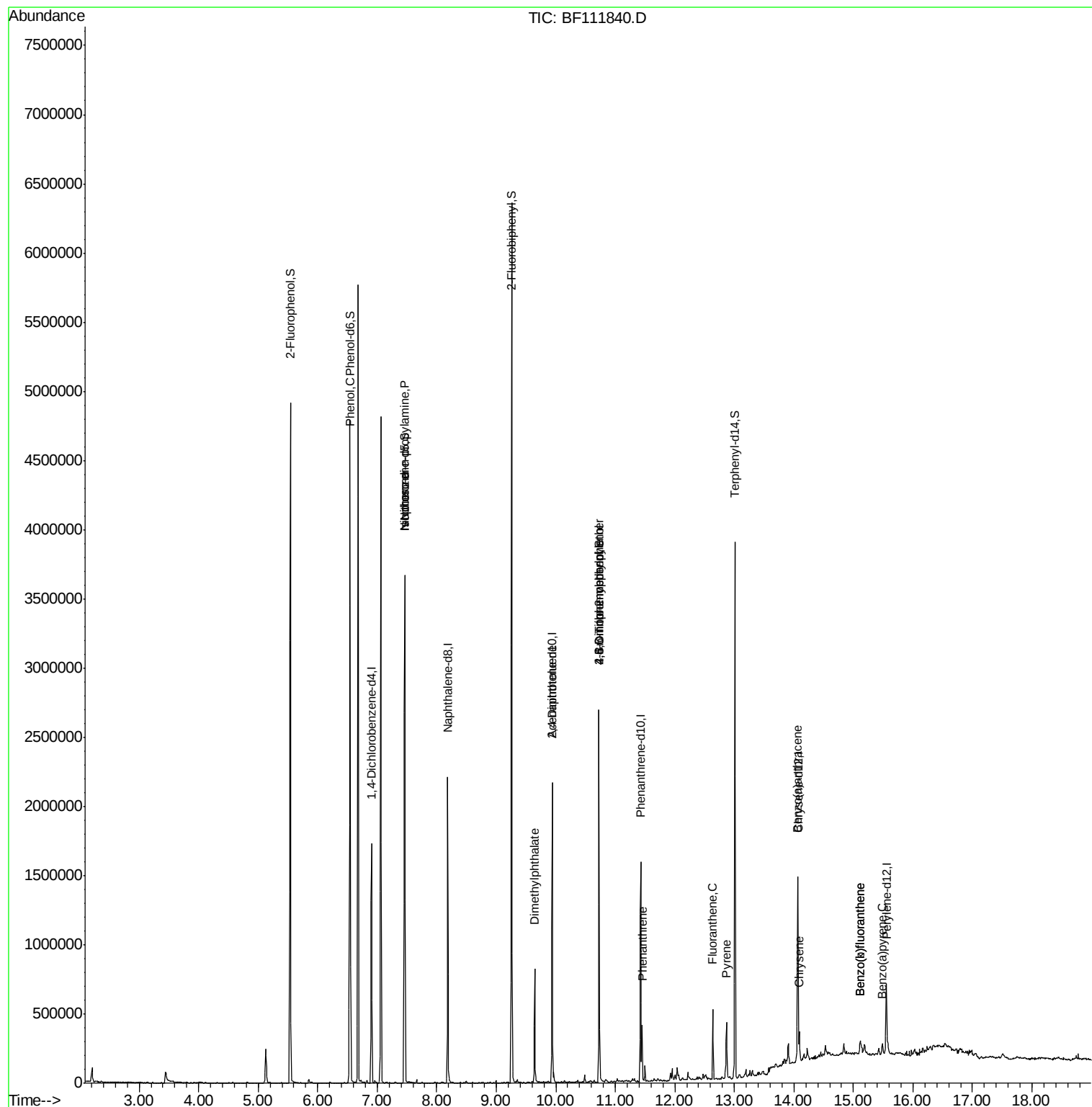
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	86991	4.261	ng	98
19) n-Nitroso-di-n-propylamine	7.46	70	150857	12.555	ng	# 77
25) Isophorone	7.46	82	1103828	40.481	ng	# 64
50) Dimethylphthalate	9.65	163	316744	10.644	ng	98
57) 2,4-Dinitrotoluene	9.94	165	52004	7.292	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.73	198	548	6.900	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	20089	2.946	ng	# 1
71) Phenanthrene	11.45	178	154562	5.302	ng	93
75) Fluoranthene	12.64	202	193512	6.555	ng	94
78) Pyrene	12.87	202	160173	4.752	ng	95
81) Benzo(a)anthracene	14.06	228	92081	3.381	ng	99
83) Chrysene	14.09	228	74888	2.797	ng	99
88) Benzo(b)fluoranthene	15.12	252	66349	4.481	ng	# 96
89) Benzo(k)fluoranthene	15.12	252	66349	4.707	ng	# 95
90) Benzo(a)pyrene	15.49	252	36309	2.699	ng	98

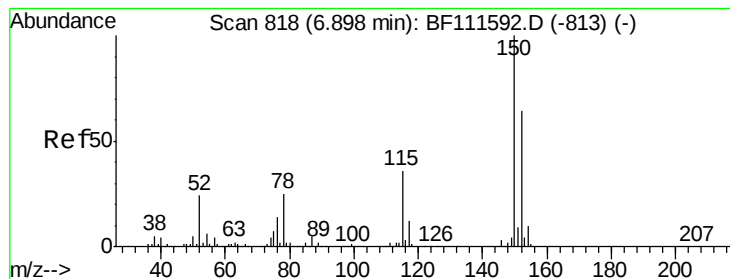
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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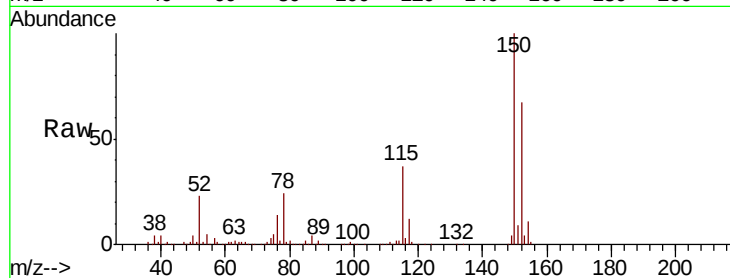


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	126.6	189.8
115	56.2	50.7	76.1

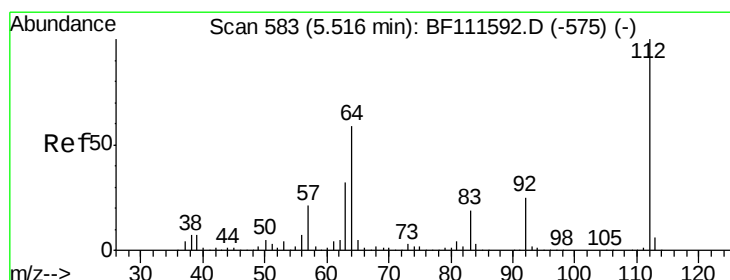
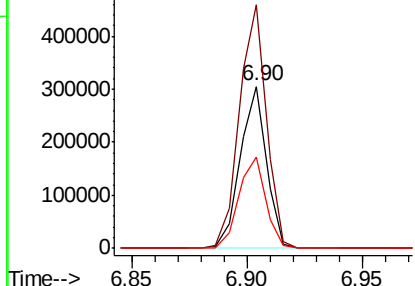
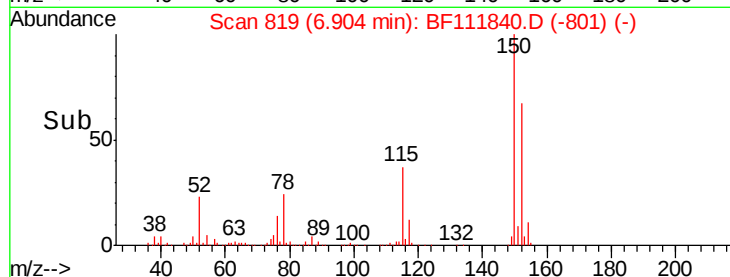


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

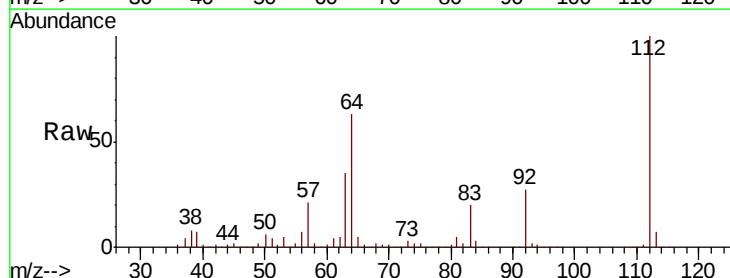
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.774 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	51.8	77.6
63	34.6	26.8	40.2

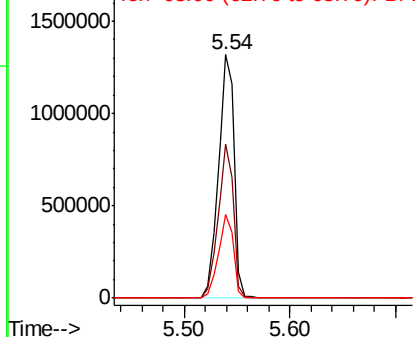
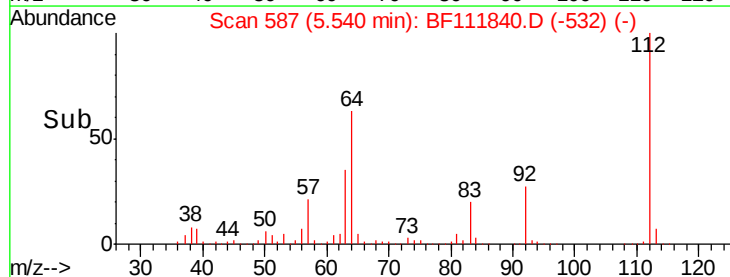


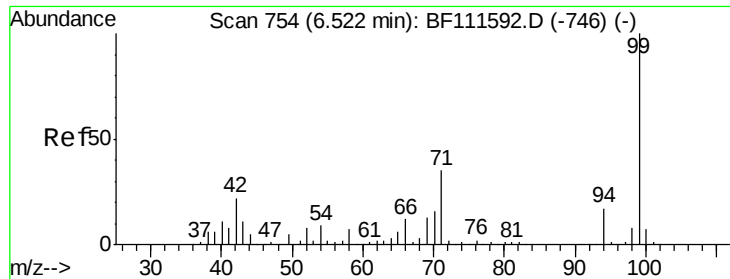
Abundance

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: 100.738 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111840.D

Acq: 4 Jan 2019 00:00

Instrument :

BNA_F

ClientSampleId :

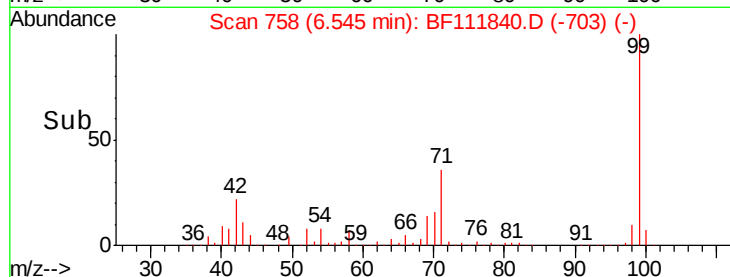
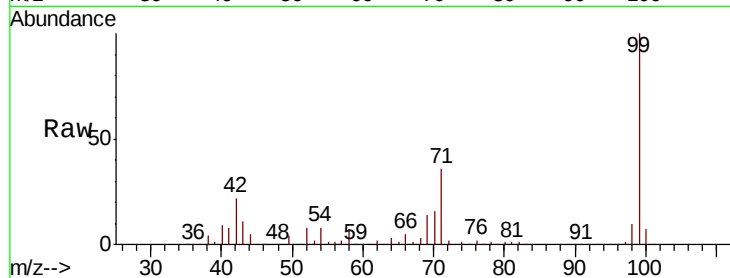
Tot Ion: 99 Resp: 1822650

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

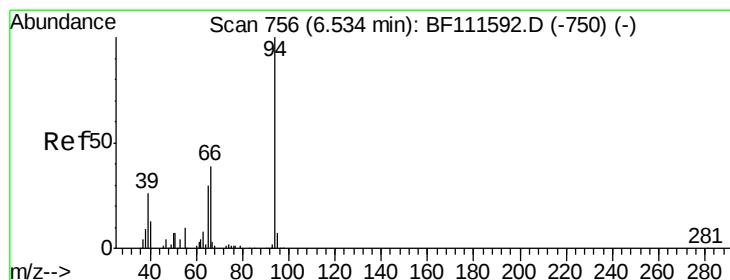
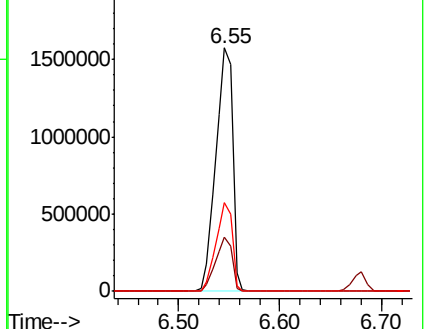
71 36.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.261 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111840.D

Acq: 4 Jan 2019 00:00

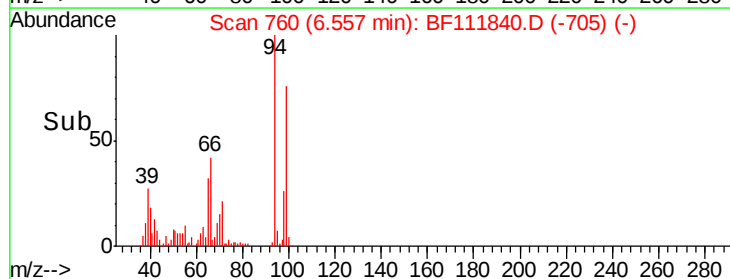
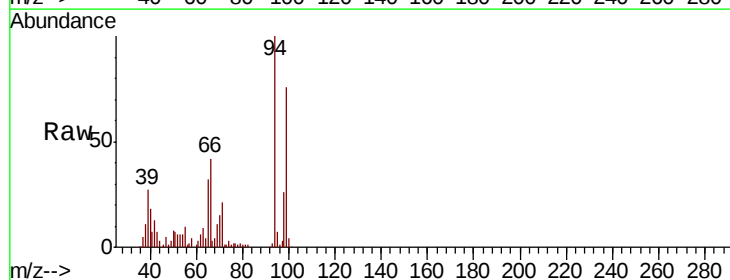
Tgt Ion: 94 Resp: 86991

Ion Ratio Lower Upper

94 100

65 32.2 11.7 51.7

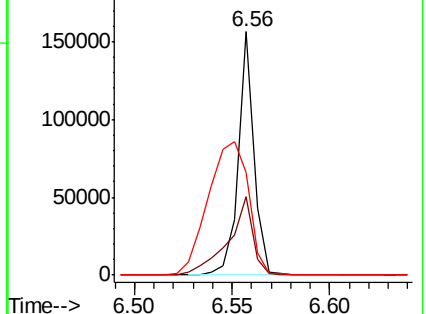
66 42.4 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

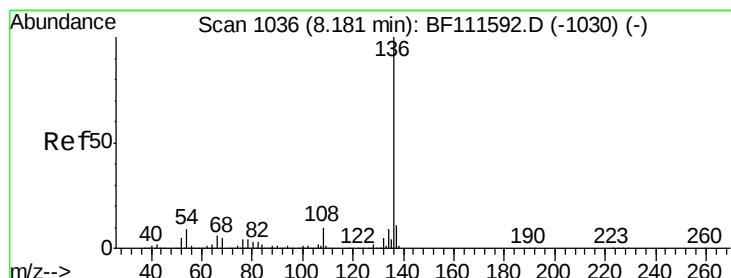
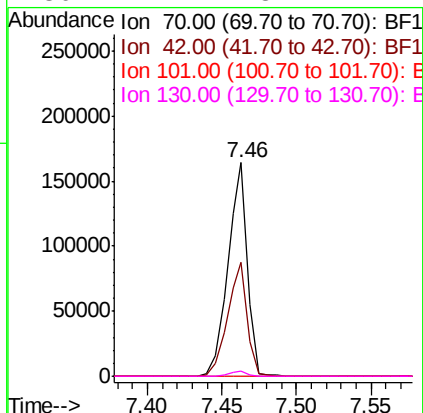
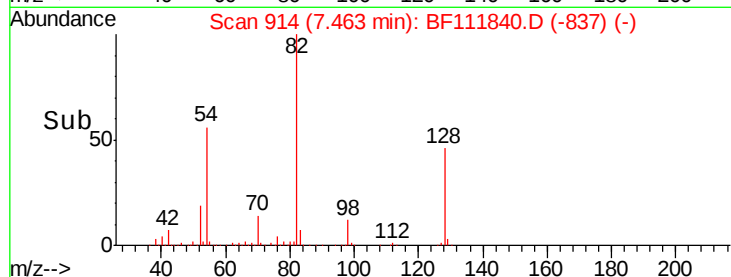
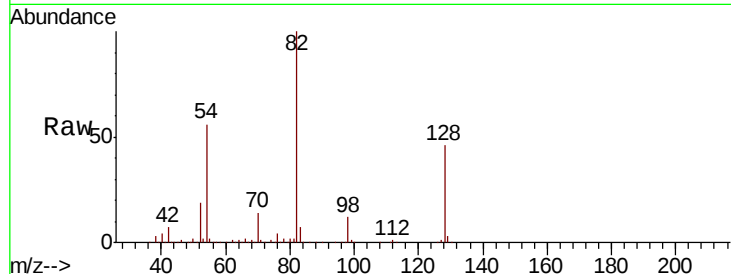




#19
n-Nitroso-di-n-propylamine
Concen: 12.555 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

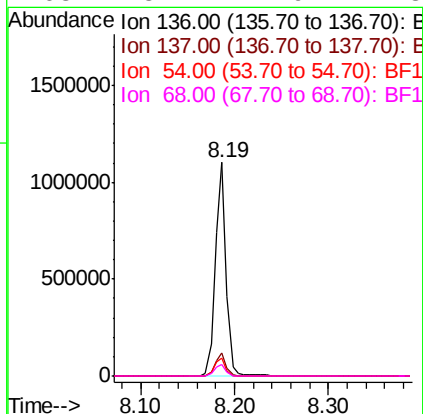
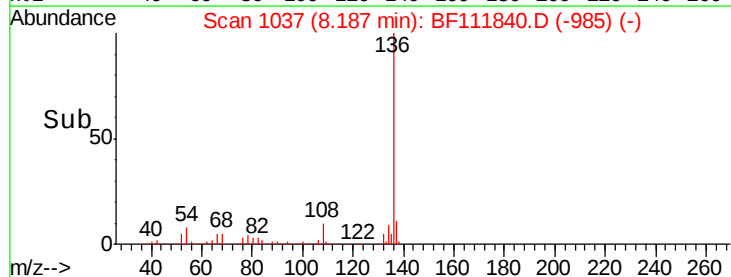
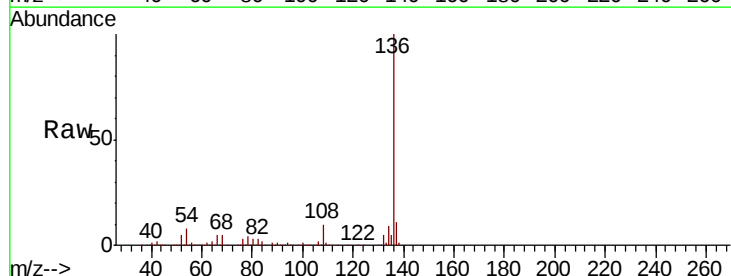
Instrument :
BNA_F
ClientSampleId :

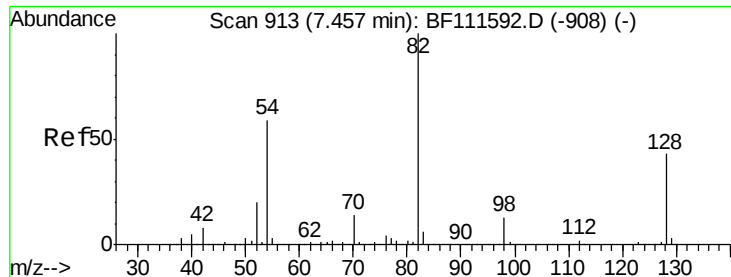
Tot Ion: 70 Resp: 150857
Ion Ratio Lower Upper
70 100
42 53.6 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Tgt Ion:136 Resp: 894050
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.3 7.7 11.5
68 5.4 4.9 7.3

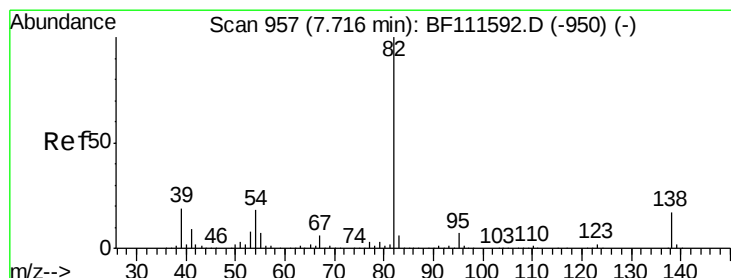
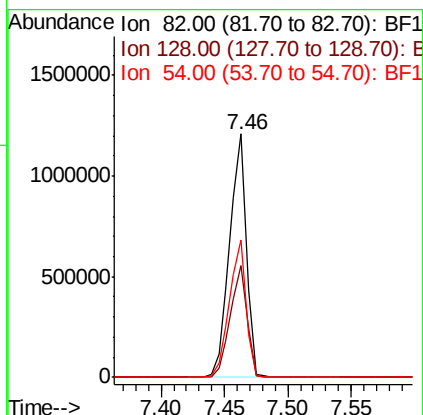
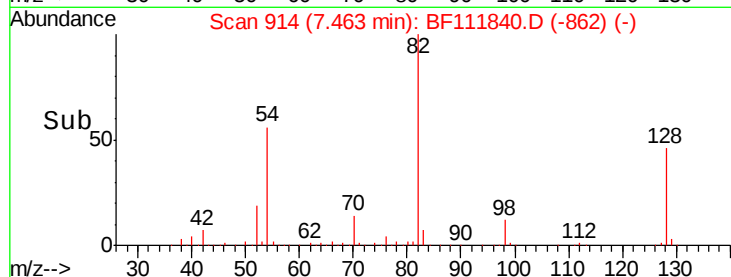
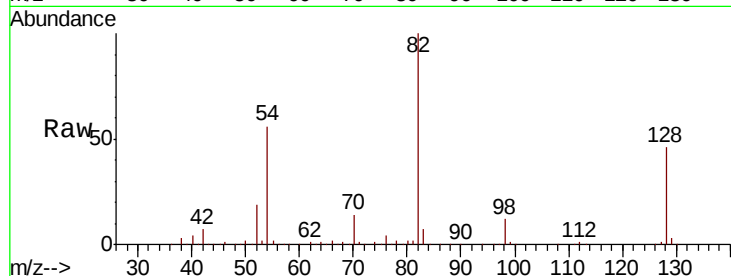




#23
Nitrobenzene-d5
Concen: 72.131 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

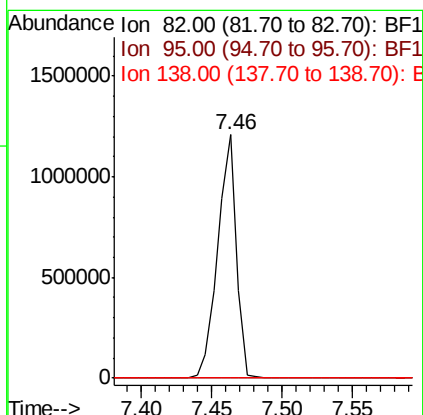
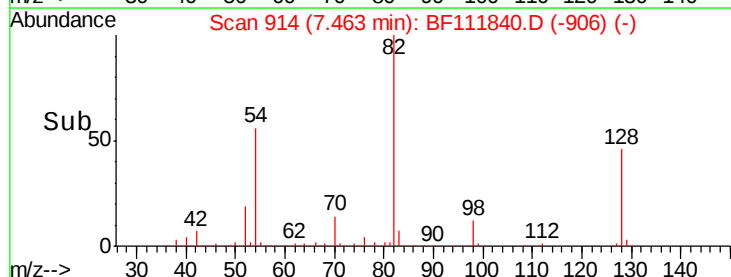
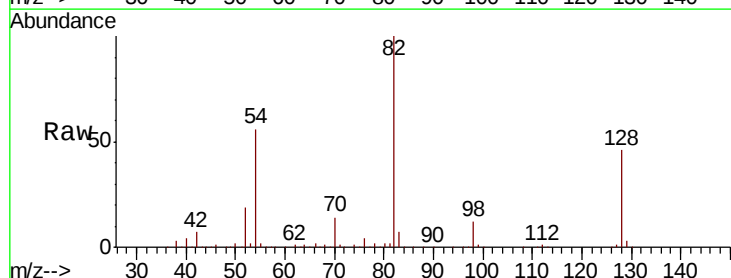
Instrument :
BNA_F
ClientSampleID :

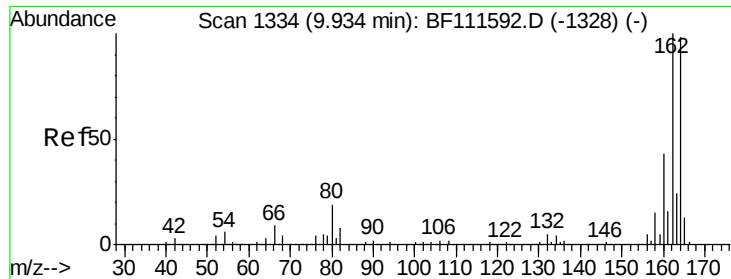
Tot Ion: 82 Resp: 1107906
Ion Ratio Lower Upper
82 100
128 45.9 37.4 56.2
54 56.3 47.6 71.4



#25
Isophorone
Concen: 40.481 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.25 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Tgt Ion: 82 Resp: 1103828
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

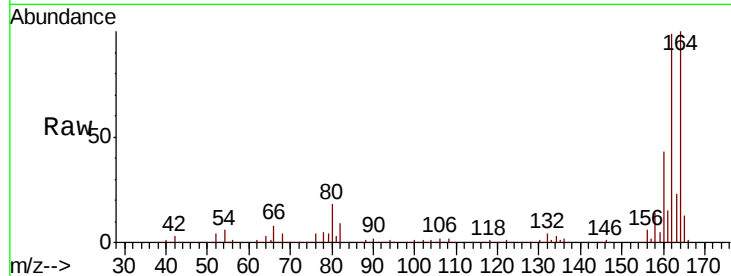




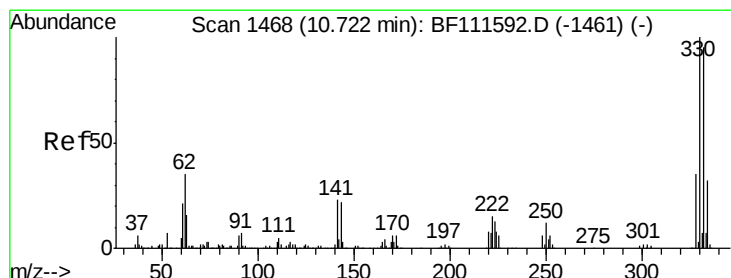
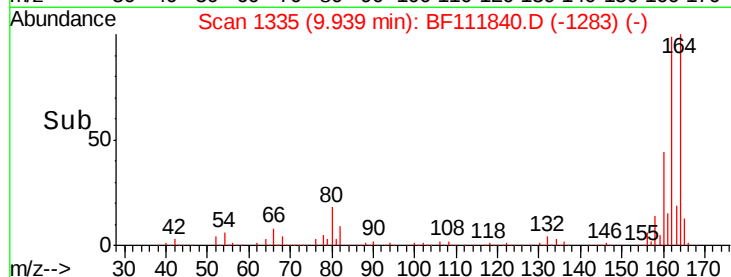
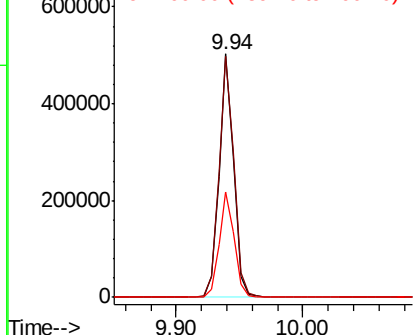
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 406945
Ion Ratio Lower Upper
164 100
162 99.0 81.4 122.0
160 43.5 35.7 53.5

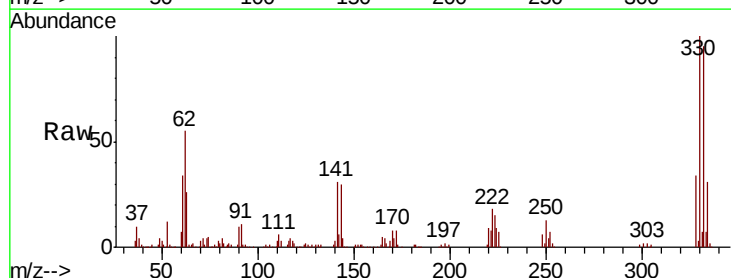


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

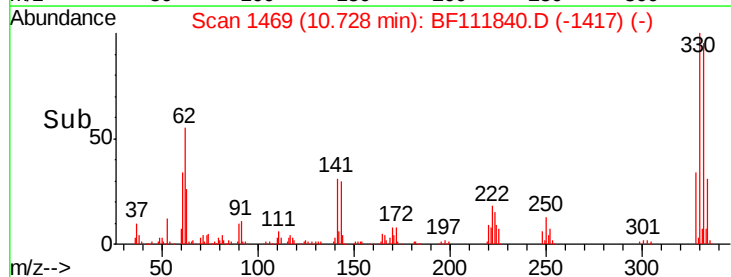
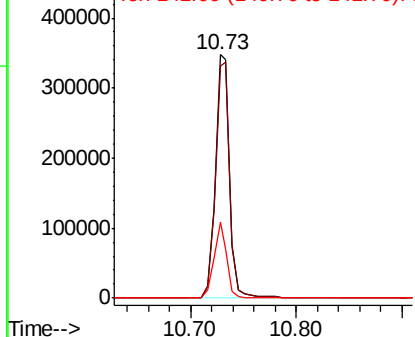


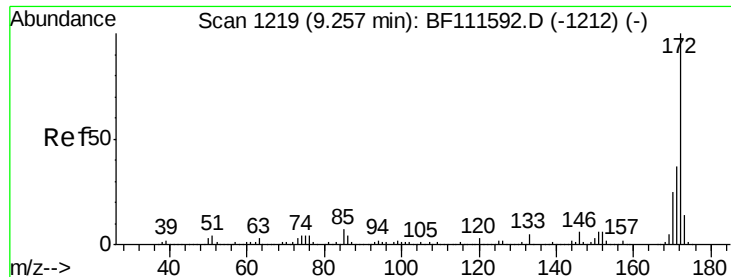
#42
2,4,6-Tribromophenol
Concen: 69.463 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Tgt Ion:330 Resp: 334004
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 28.2 31.0 46.6#



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

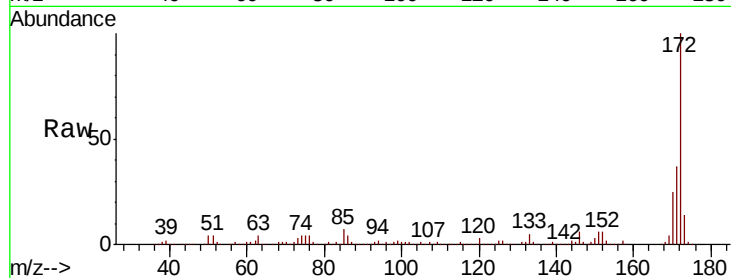




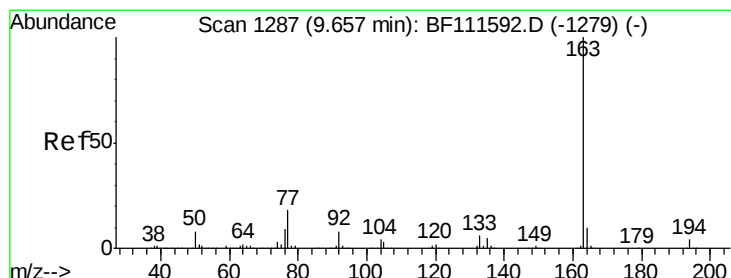
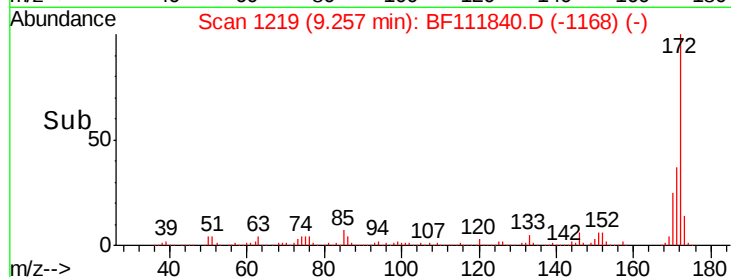
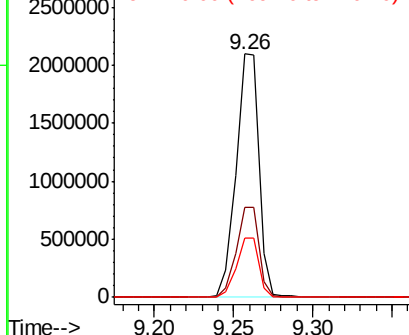
#45
2-Fluorobiphenyl
Concen: 75.062 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 2095687
Ion Ratio Lower Upper
172 100
171 36.8 33.0 49.4
170 24.6 22.3 33.5

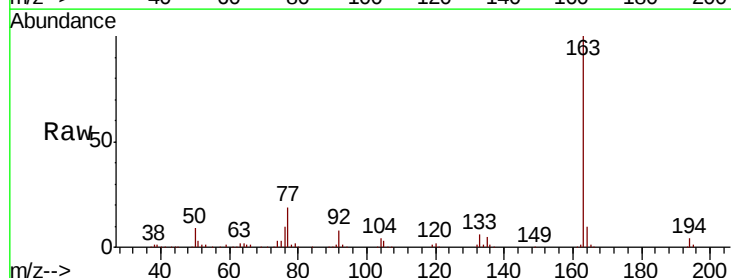


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

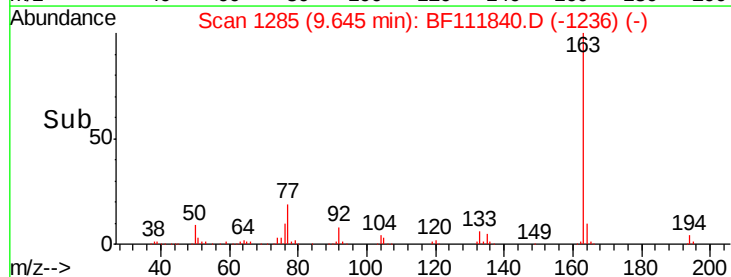
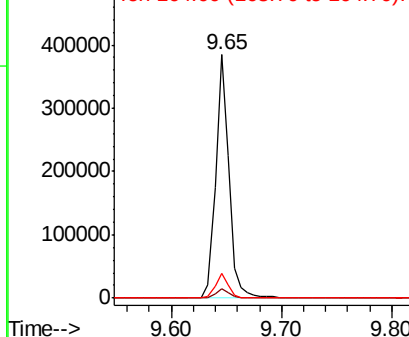


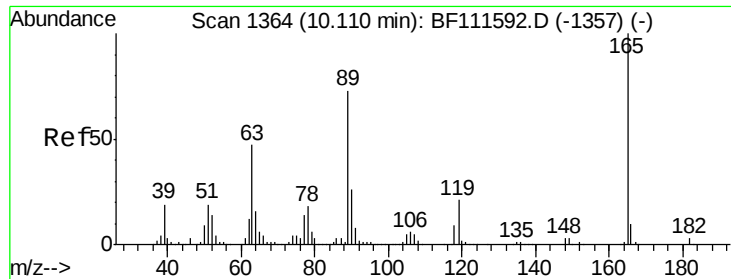
#50
Dimethylphthalate
Concen: 10.644 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Tgt Ion:163 Resp: 316744
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.1 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

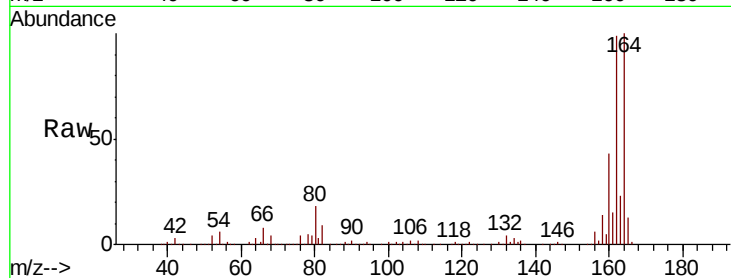




#57
 2,4-Dinitrotoluene
 Concen: 7.292 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111840.D
 Acq: 4 Jan 2019 00:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	34.6	52.0#
89	1.7	56.2	84.4#
182	0.0	1.8	2.6#

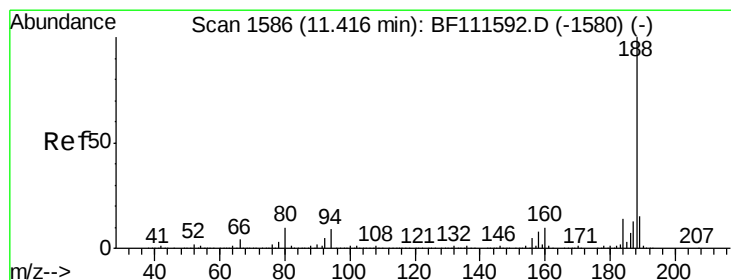
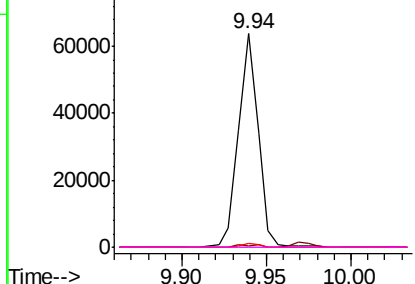
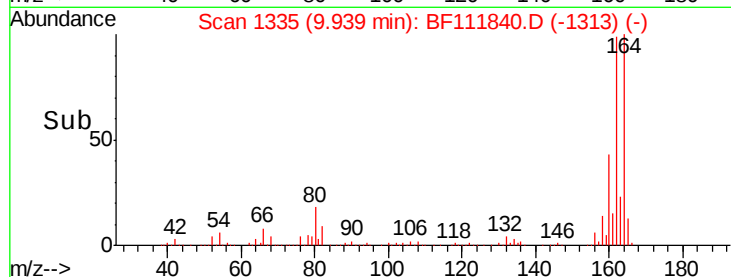


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

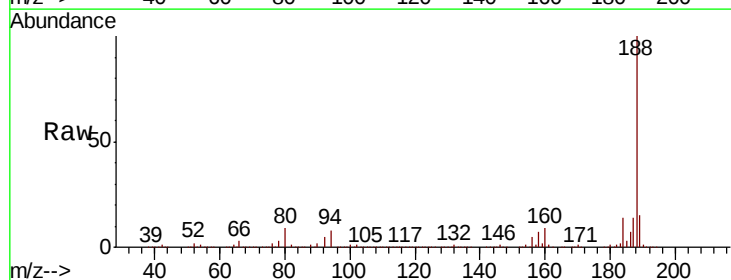
Ion 89.00 (88.70 to 89.70): BF1

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: BF111840.D
 Acq: 4 Jan 2019 00:00

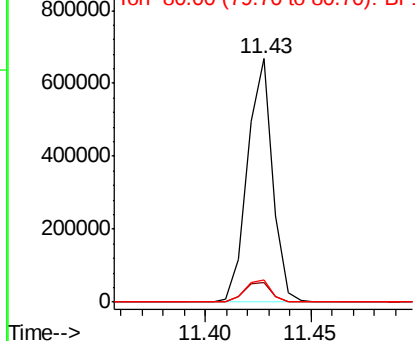
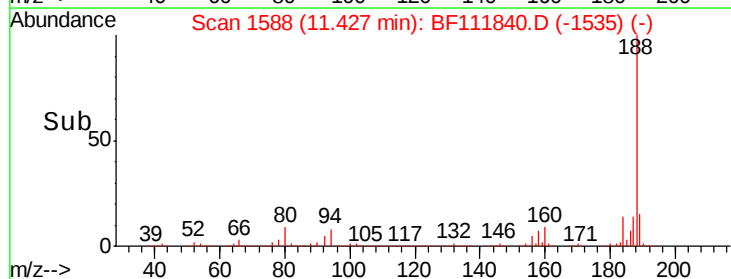
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.6	14.4#
80	9.0	9.8	14.6#

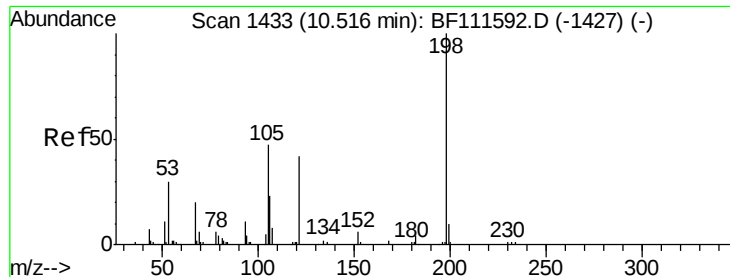


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

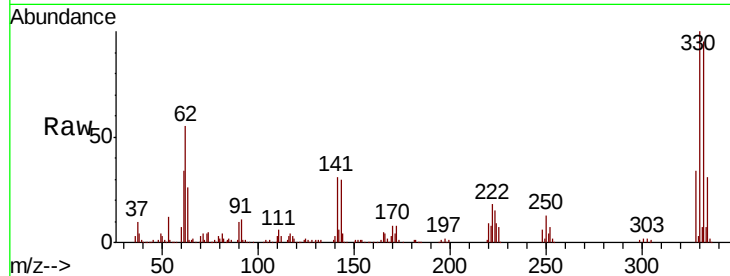




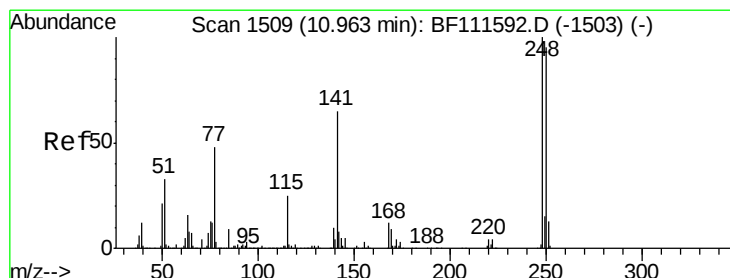
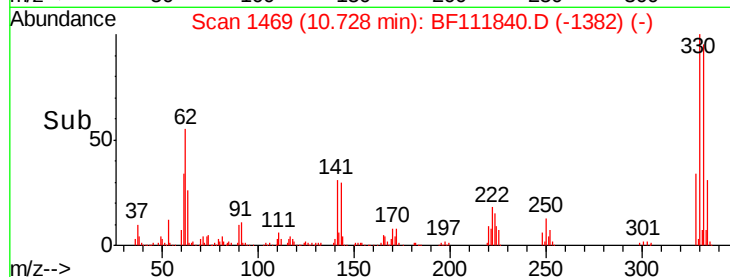
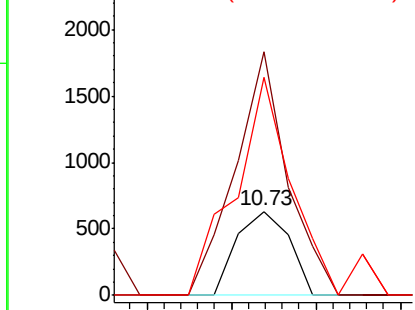
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.900 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.21 min
 Lab File: BF111840.D
 Acq: 4 Jan 2019 00:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 548
 Ion Ratio Lower Upper
 198 100
 51 290.8 48.0 88.0#
 105 261.1 34.0 74.0#

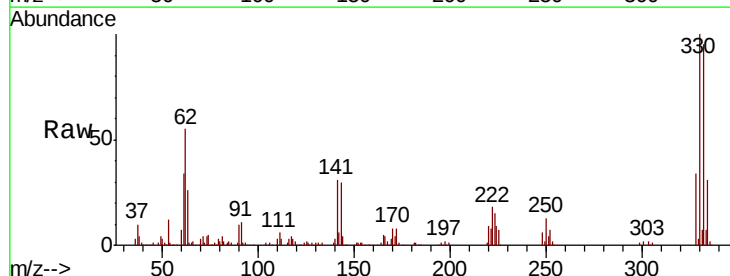


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

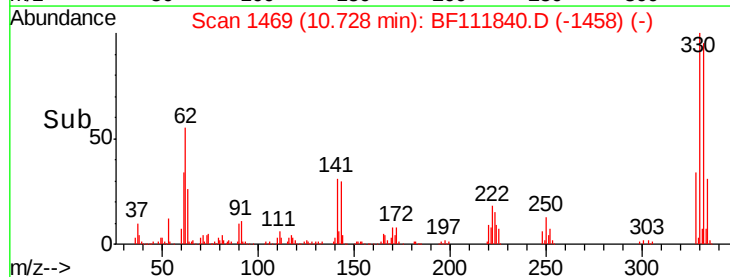
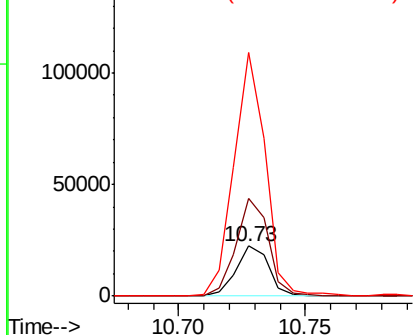


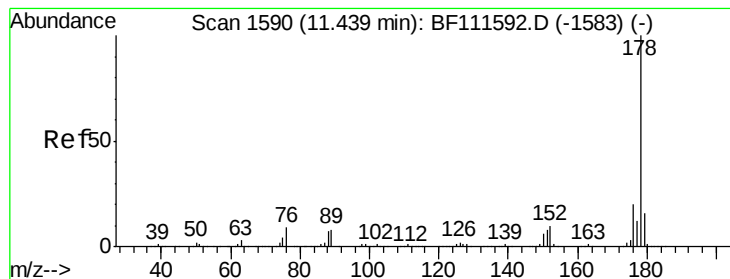
#67
 4-Bromophenyl-phenylether
 Concen: 2.946 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF111840.D
 Acq: 4 Jan 2019 00:00

Tgt Ion:248 Resp: 20089
 Ion Ratio Lower Upper
 248 100
 250 194.9 77.0 115.4#
 141 486.3 63.0 94.6#



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





#71

Phenanthrene

Concen: 5.302 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF111840.D

Acq: 4 Jan 2019 00:00

Instrument :

BNA_F

ClientSampleId :

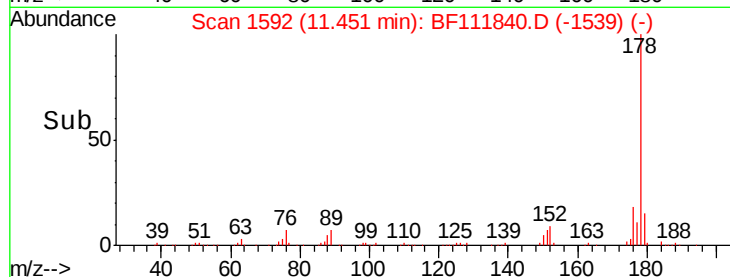
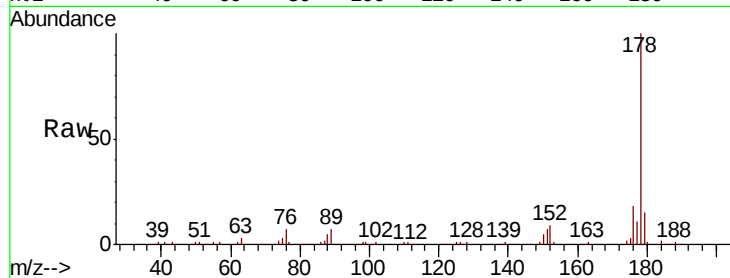
Tot Ion:178 Resp: 154562

Ion Ratio Lower Upper

178 100

176 18.3 18.1 27.1

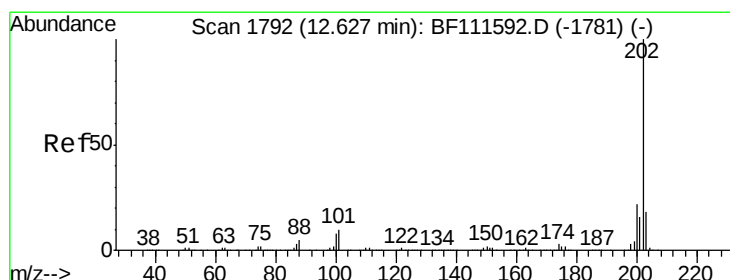
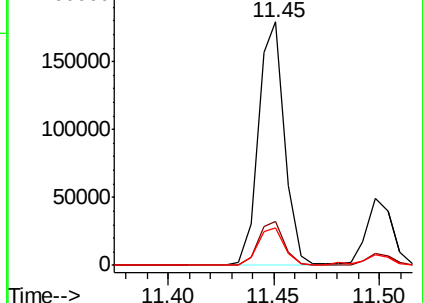
179 15.2 14.0 21.0



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



#75

Fluoranthene

Concen: 6.555 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111840.D

Acq: 4 Jan 2019 00:00

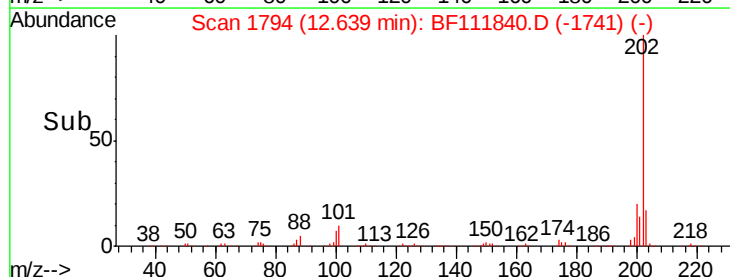
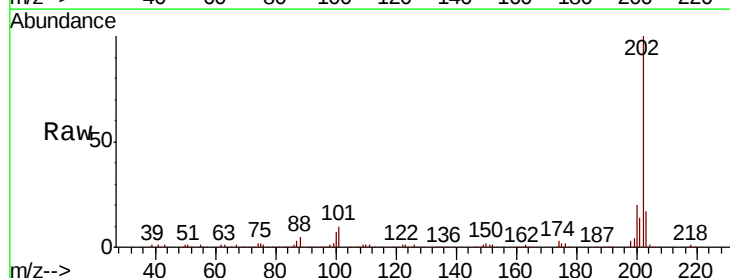
Tgt Ion:202 Resp: 193512

Ion Ratio Lower Upper

202 100

101 9.9 0.0 33.8

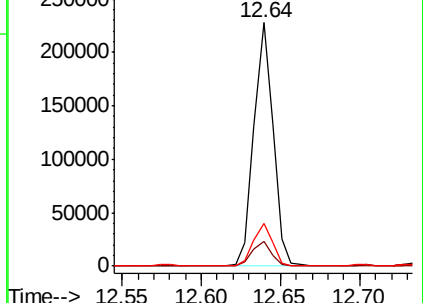
203 17.3 0.0 38.6

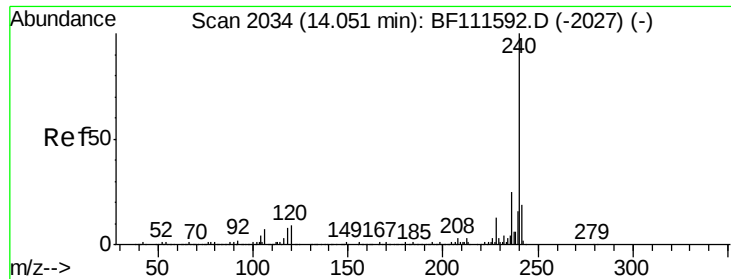


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

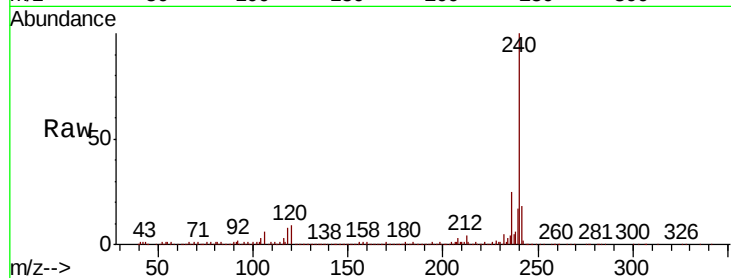




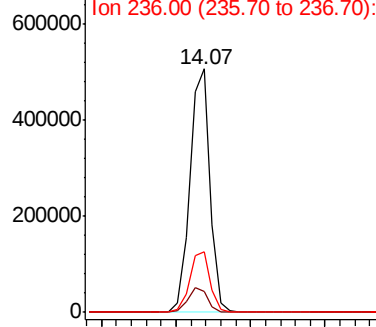
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Instrument :
BNA_F
ClientSampleId :

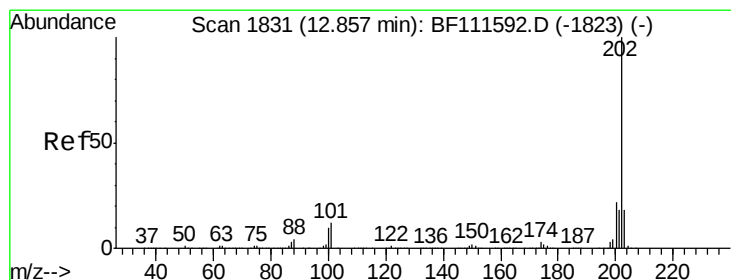
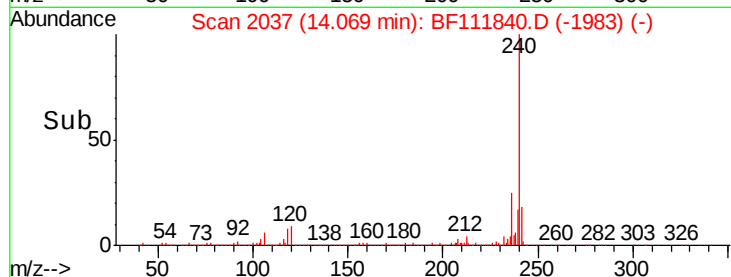
Tot Ion:240 Resp: 477272
Ion Ratio Lower Upper
240 100
120 8.8 12.2 18.2#
236 24.7 20.2 30.2



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

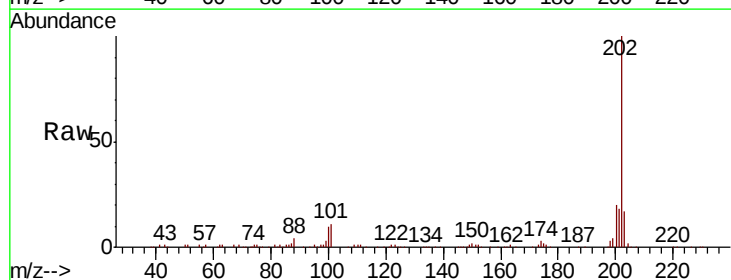


Time--> 14.00 14.05 14.10 14.15

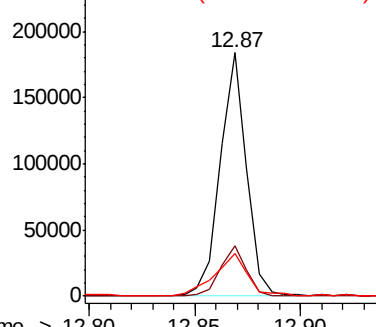


#78
Pyrene
Concen: 4.752 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

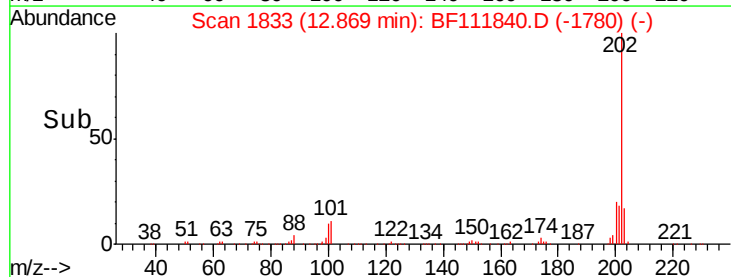
Tgt Ion:202 Resp: 160173
Ion Ratio Lower Upper
202 100
200 20.4 19.0 28.4
203 17.4 15.2 22.8

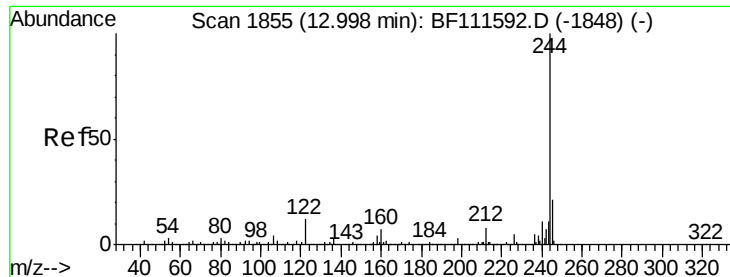


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.80 12.85 12.90





#79

Terphenyl-d14

Concen: 49.535 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111840.D

Acq: 4 Jan 2019 00:00

Instrument :

BNA_F

ClientSampleId :

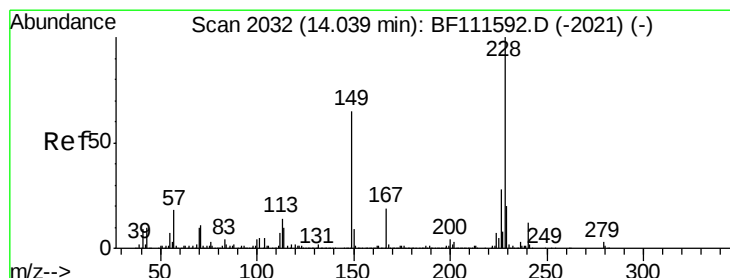
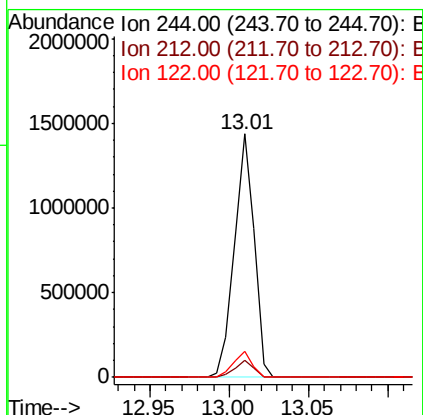
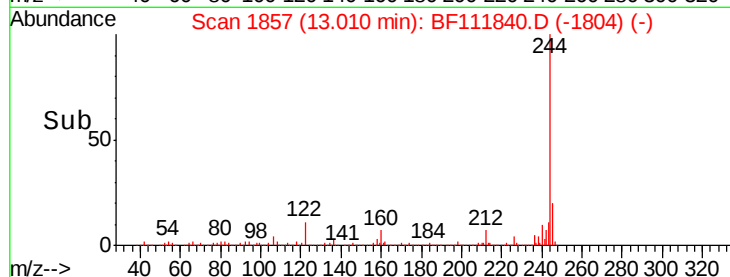
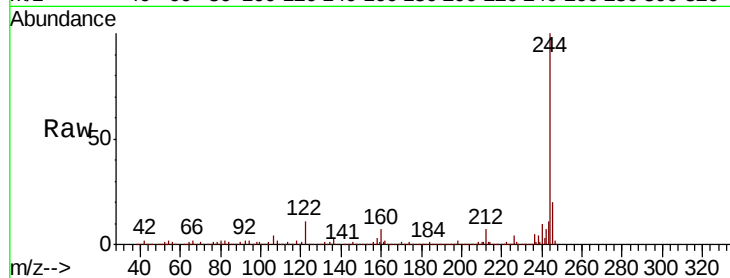
Tot Ion:244 Resp: 1246638

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.8 13.1 19.7#



#81

Benzo(a)anthracene

Concen: 3.381 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF111840.D

Acq: 4 Jan 2019 00:00

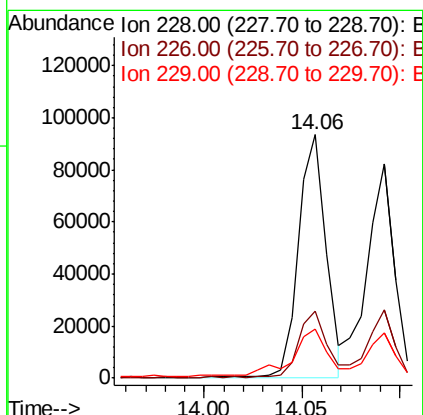
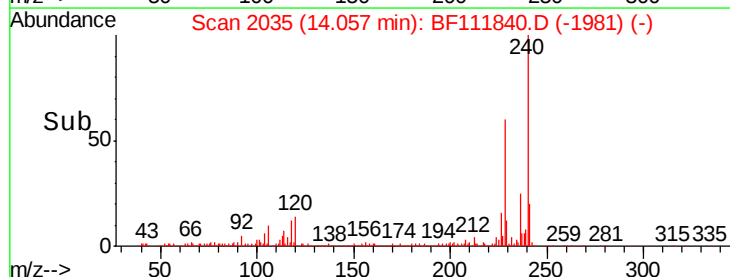
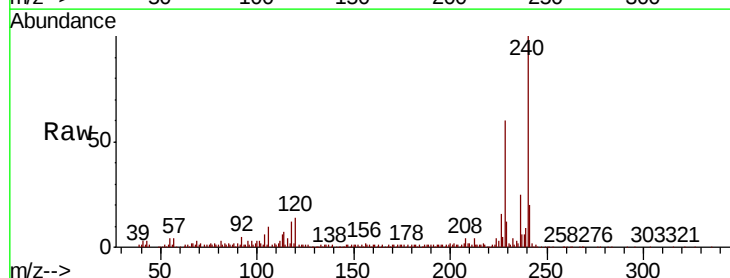
Tgt Ion:228 Resp: 92081

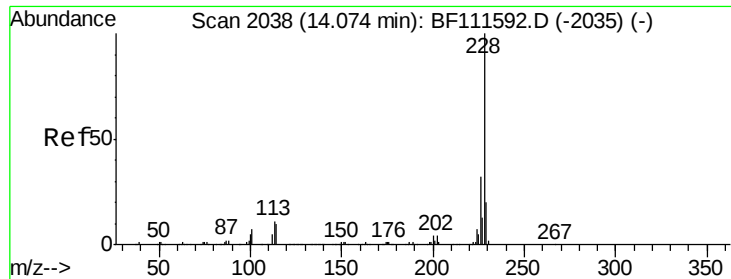
Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

229 20.4 16.3 24.5

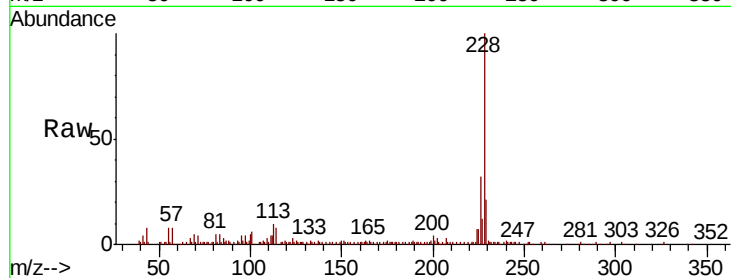




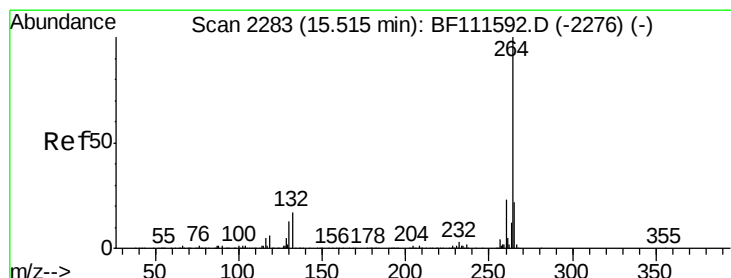
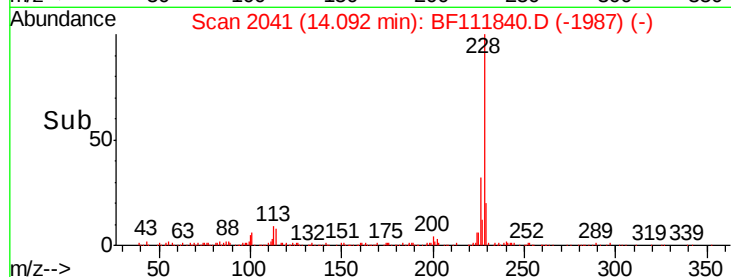
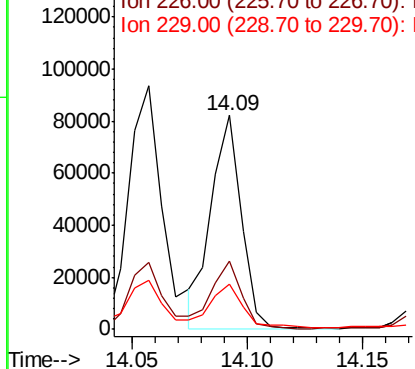
#83
Chrysene
Concen: 2.797 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 74888
Ion Ratio Lower Upper
228 100
226 31.9 25.3 37.9
229 21.1 17.2 25.8

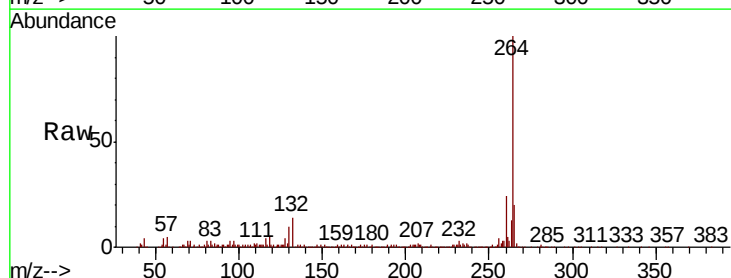


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

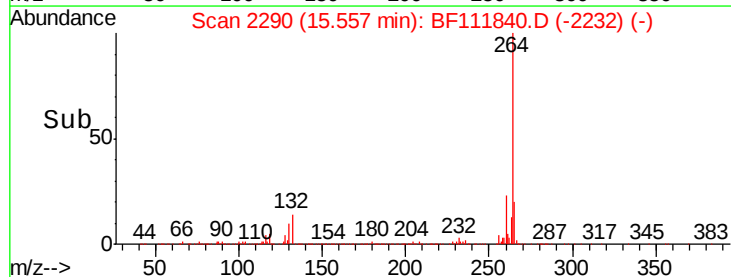
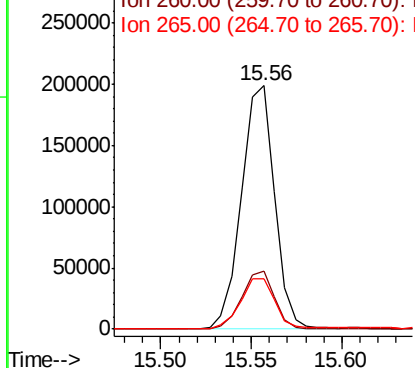


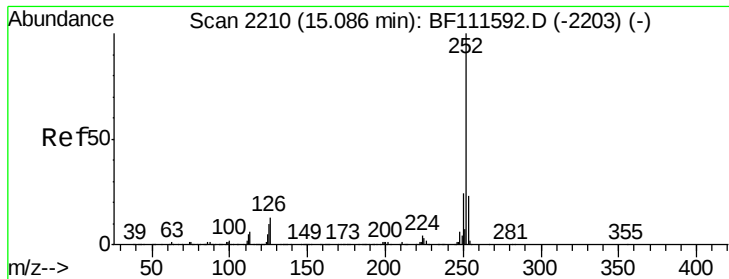
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.04 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Tgt Ion:264 Resp: 253343
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 20.4 17.7 26.5



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

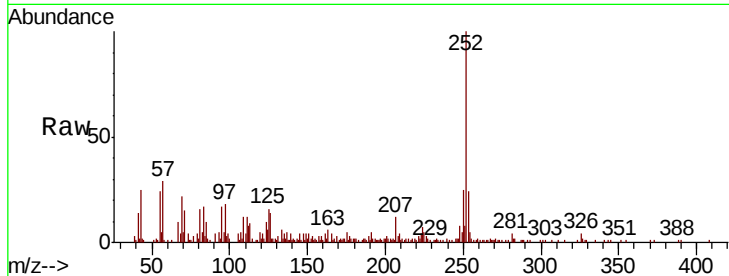




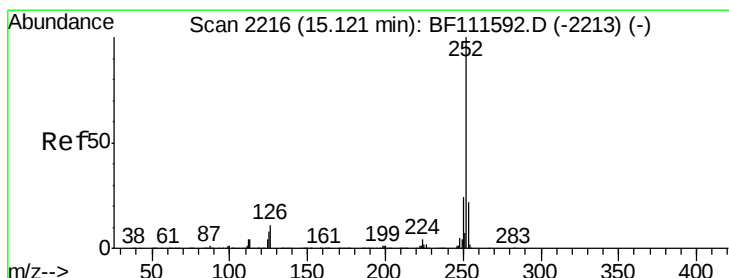
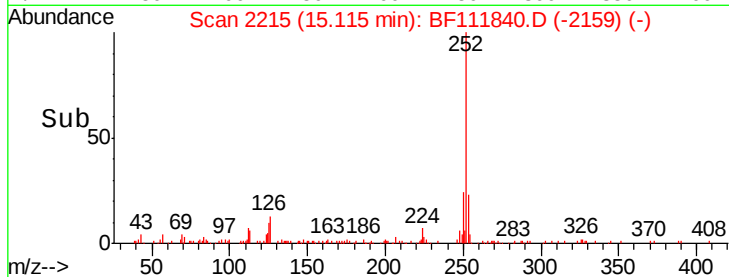
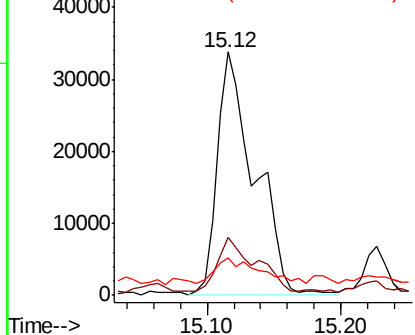
#88
Benzo(b)fluoranthene
Concen: 4.481 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.03 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	15.6	10.4	15.6#

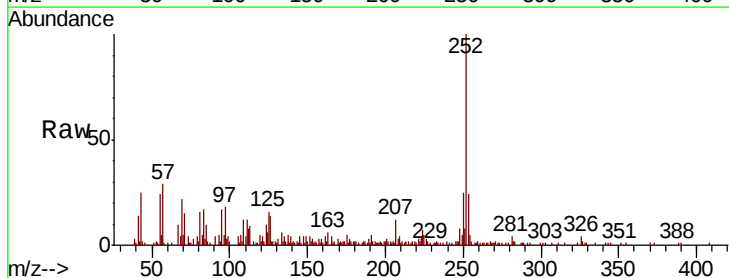


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

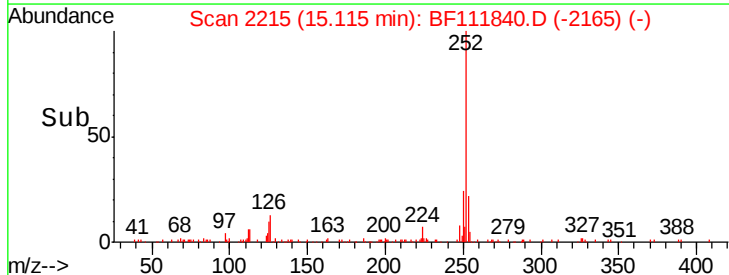
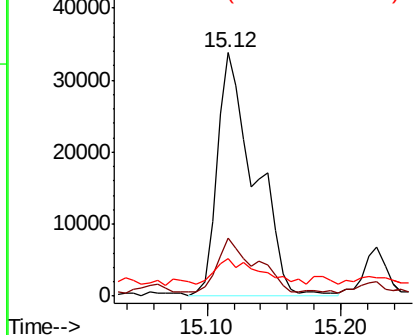


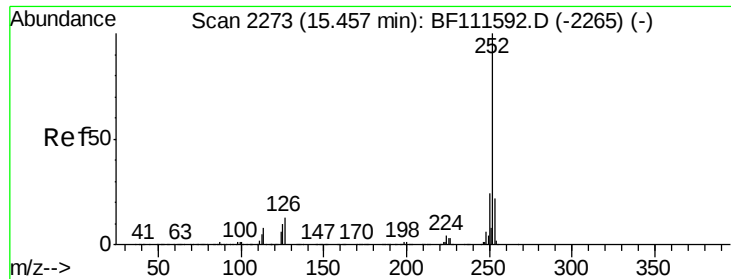
#89
Benzo(k)fluoranthene
Concen: 4.707 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF111840.D
Acq: 4 Jan 2019 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	15.6	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





#90
 Benzo(a)pyrene
 Concen: 2.699 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.03 min
 Lab File: BF111840.D
 Acq: 4 Jan 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	15.5	12.3	18.5

