

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119750.D
 Acq On : 4 Apr 2020 7:35
 Operator : MA/SJ
 Sample : L2100-06
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 239-05060708-0-6

Quant Time: Apr 04 08:13:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	189229	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	709195	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	349585	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	604189	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	376912	20.00	ng	-0.02
87) Perylene-d12	15.43	264	374589	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1598811	134.50	ng	0.01
7) Phenol-d6	6.44	99	2092994	137.84	ng	0.00
23) Nitrobenzene-d5	7.37	82	1290252	98.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	521236	144.52	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2058435	87.23	ng	-0.01
79) Terphenyl-d14	12.92	244	1751071	91.02	ng	-0.02

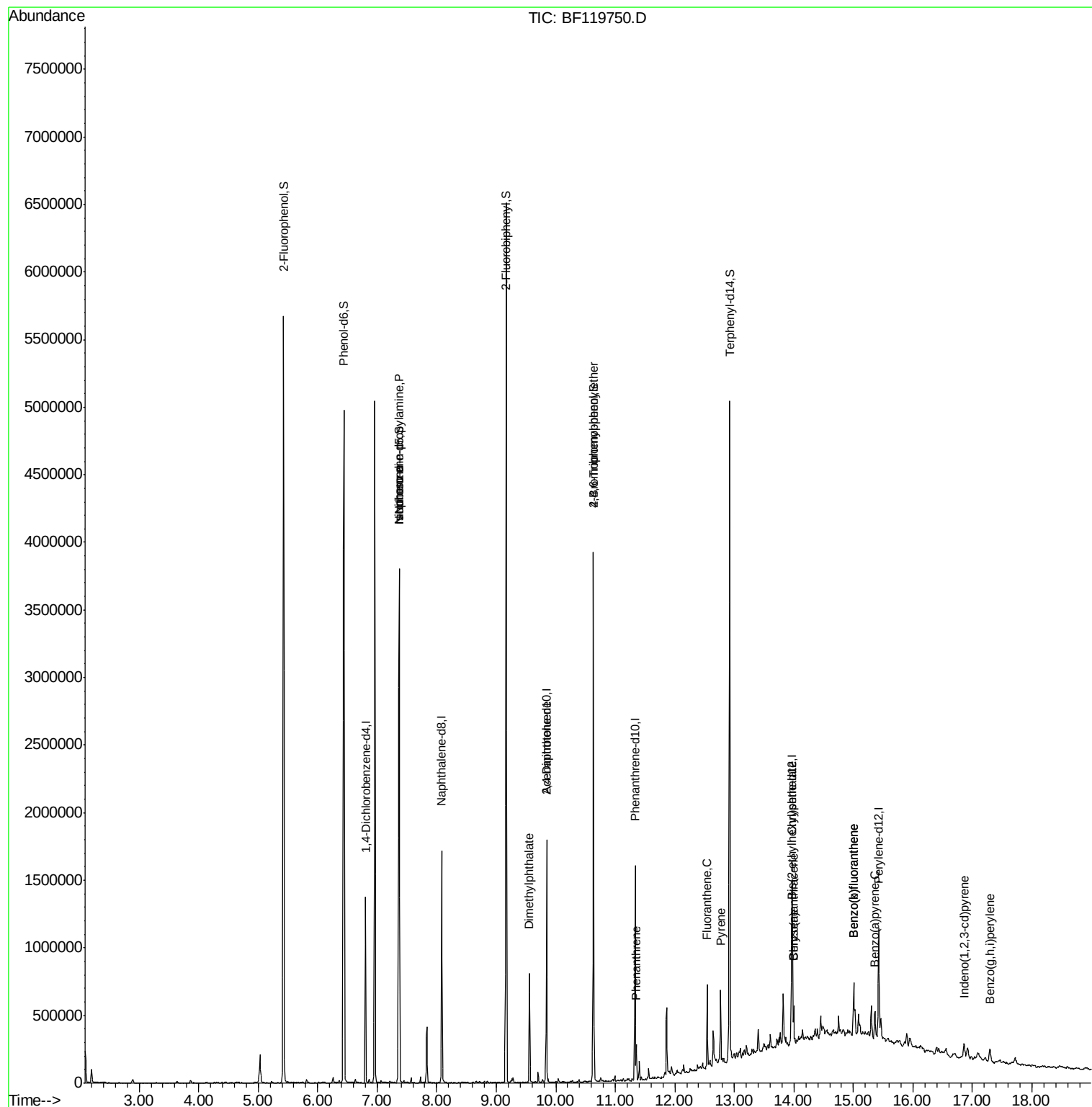
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	167386	18.29	ng	# 72
25) Isophorone	7.37	82	1286830	48.61	ng	# 65
50) Dimethylphthalate	9.56	163	319273	12.86	ng	100
57) 2,4-Dinitrotoluene	9.85	165	45820	6.83	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	30280	4.40	ng	# 1
71) Phenanthrene	11.35	178	88331	2.82	ng	99
75) Fluoranthene	12.55	202	239835	7.07	ng	96
78) Pyrene	12.77	202	243353	7.87	ng	96
81) Benzo(a)anthracene	14.00	228	130238	5.31	ng	96
83) Chrysene	14.00	228	130238	5.15	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	50449	3.38	ng	99
86) Indeno(1,2,3-cd)pyrene	16.86	276	83289	3.50	ng	94
88) Benzo(b)fluoranthene	15.00	252	268652	10.74	ng	98
89) Benzo(k)fluoranthene	15.00	252	268652	11.28	ng	99
90) Benzo(a)pyrene	15.36	252	94588	4.16	ng	98
92) Benzo(g,h,i)perylene	17.29	276	78037	3.91	ng	98

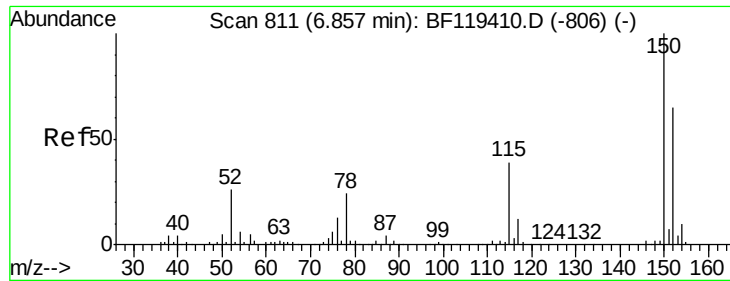
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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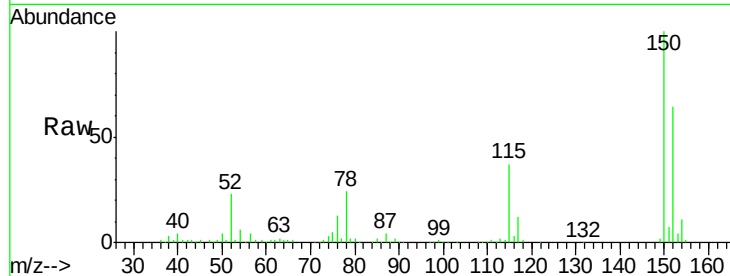




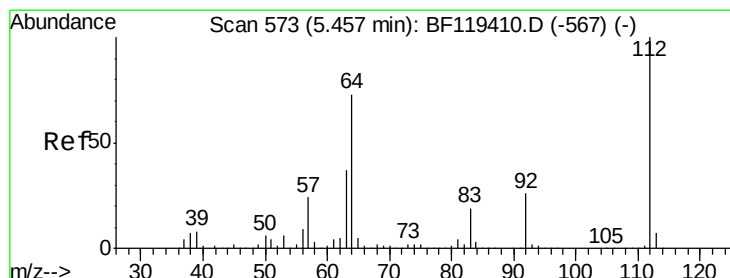
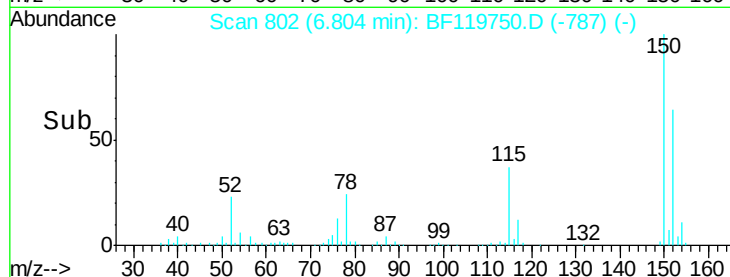
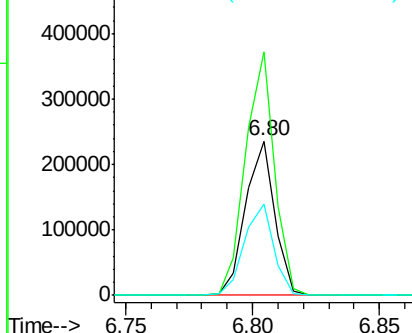
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

Instrument :
 BNA_F
 ClientSampleId :
 239-05060708-0-6

Tgt Ion:152 Resp: 189229
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.5 186.7
 115 58.6 49.6 74.4

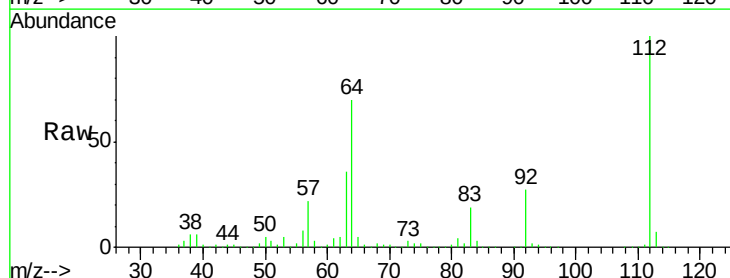


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

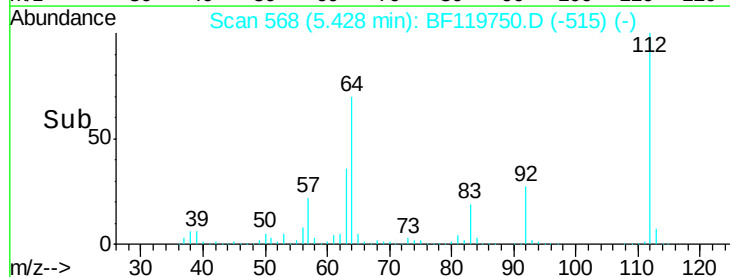
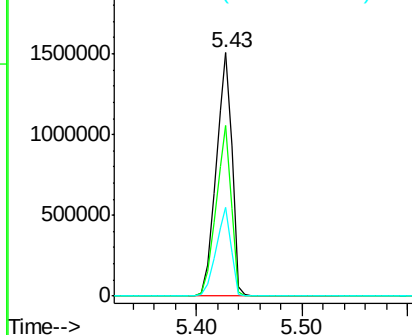


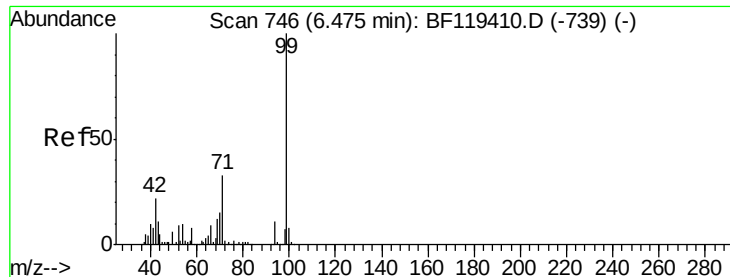
#5
 2-Fluorophenol
 Concen: 134.50 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

Tgt Ion:112 Resp: 1598811
 Ion Ratio Lower Upper
 112 100
 64 70.0 56.7 85.1
 63 36.5 29.5 44.3



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: 137.84 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

Instrument :

BNA_F

ClientSampleId :

239-05060708-0-6

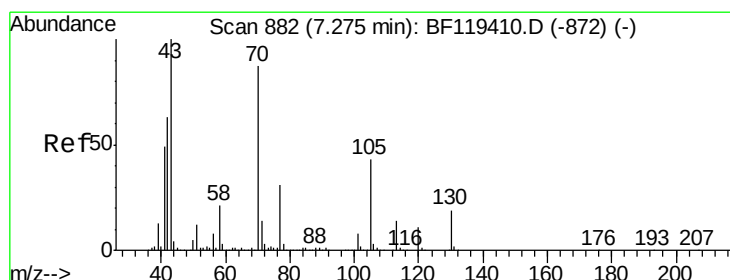
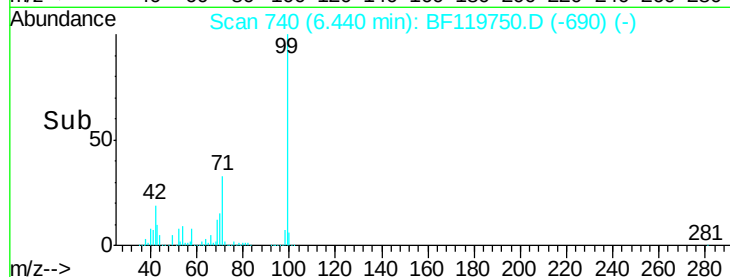
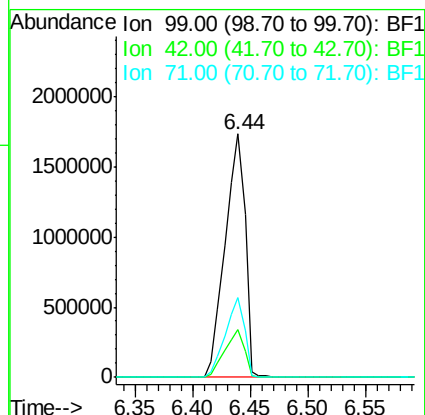
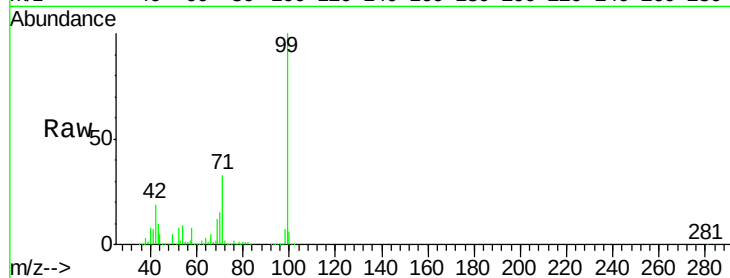
Tgt Ion: 99 Resp: 2092994

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

71 32.7 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.29 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

Tgt Ion: 70 Resp: 167386

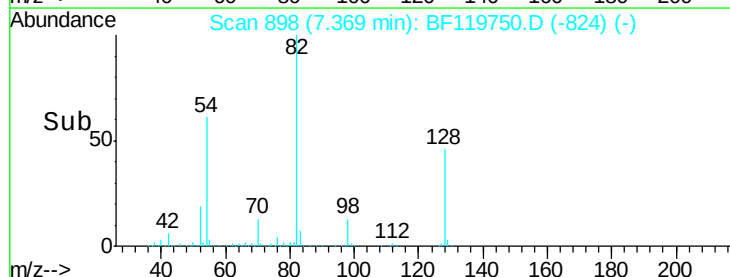
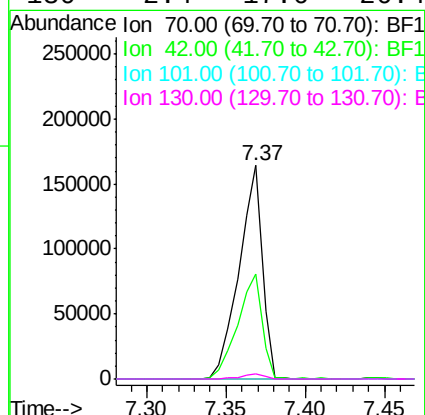
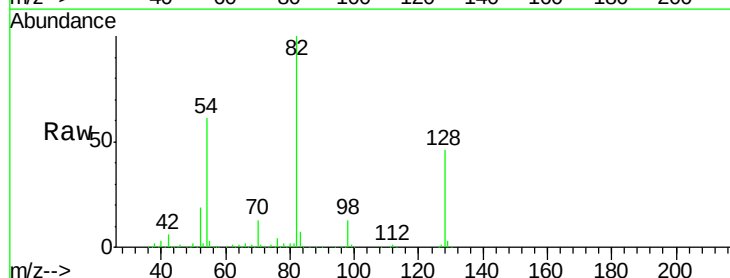
Ion Ratio Lower Upper

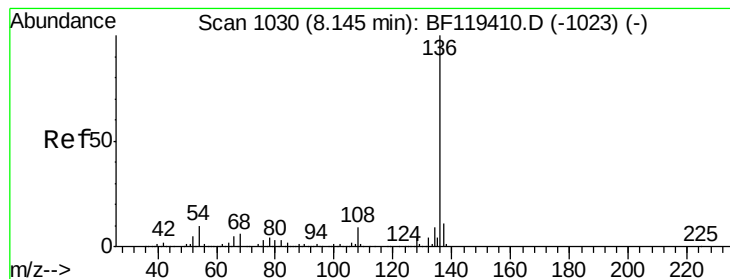
70 100

42 49.2 54.5 81.7#

101 0.0 7.6 11.4#

130 2.4 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

Instrument :

BNA_F

ClientSampleId :

239-05060708-0-6

Tgt Ion: 136 Resp: 709195

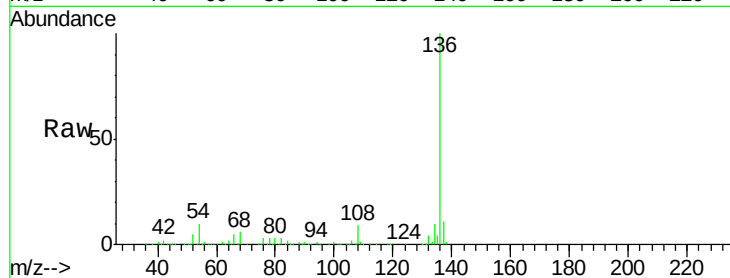
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 10.3 9.1 13.7

68 5.6 4.6 6.8

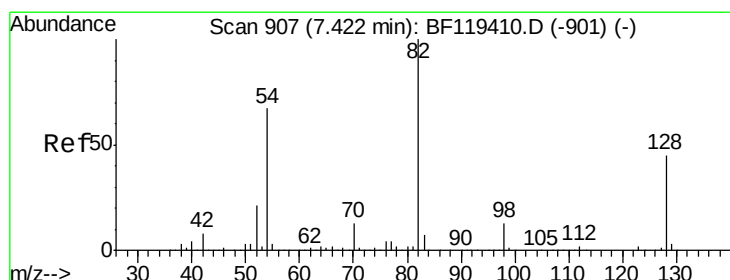
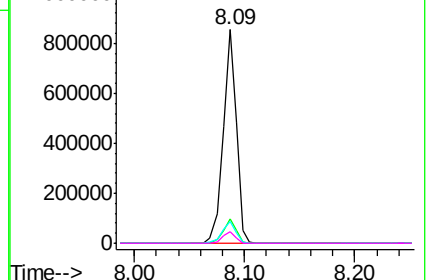
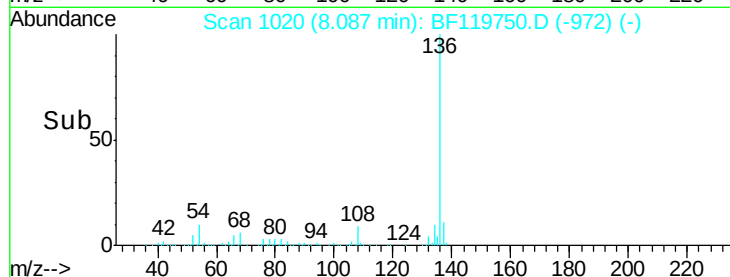


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.88 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

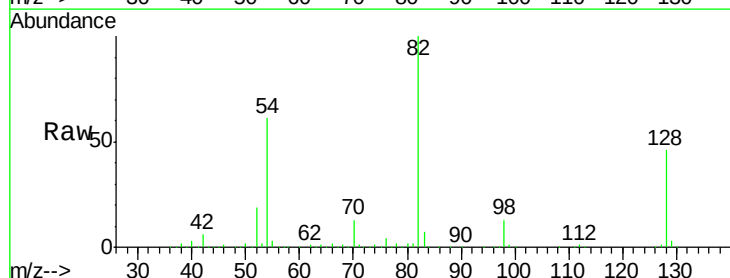
Tgt Ion: 82 Resp: 1290252

Ion Ratio Lower Upper

82 100

128 46.3 36.3 54.5

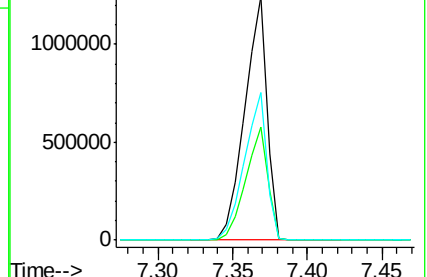
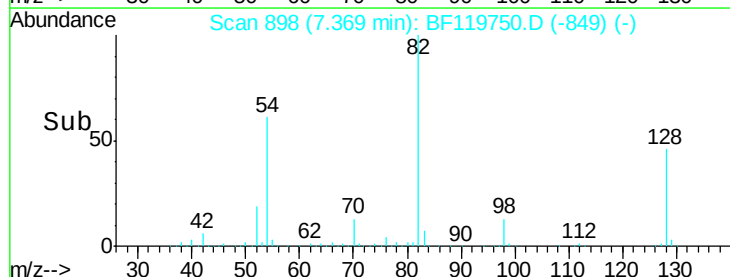
54 60.7 50.6 75.8

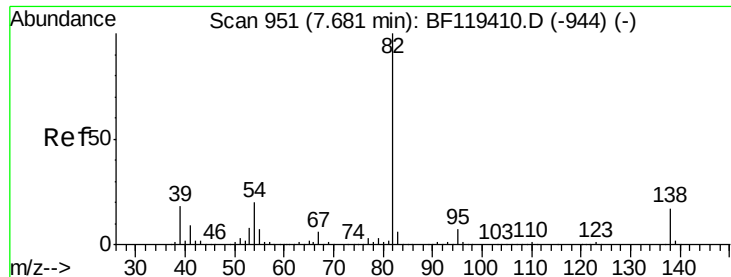


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.61 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

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239-05060708-0-6

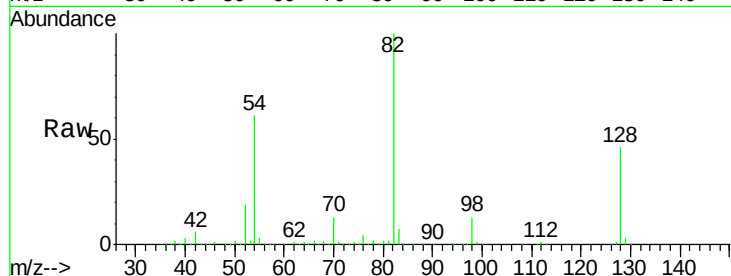
Tgt Ion: 82 Resp: 1286830

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

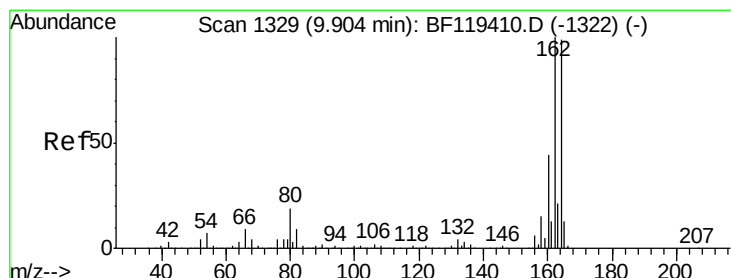
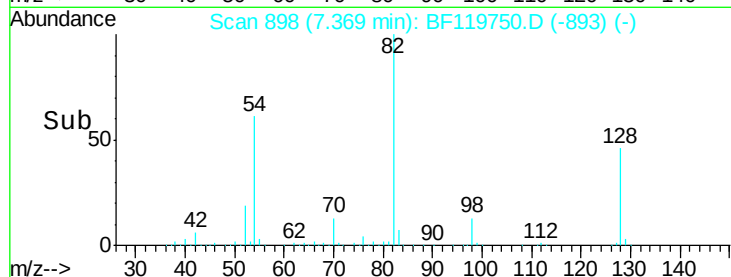
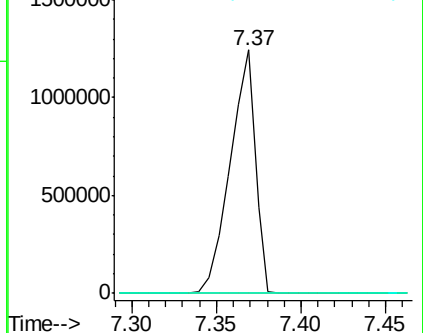
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

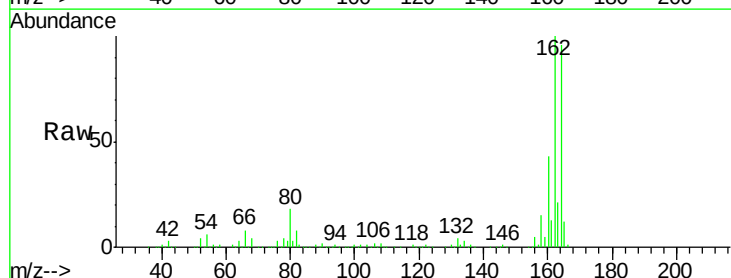
Tgt Ion: 164 Resp: 349585

Ion Ratio Lower Upper

164 100

162 104.4 80.6 121.0

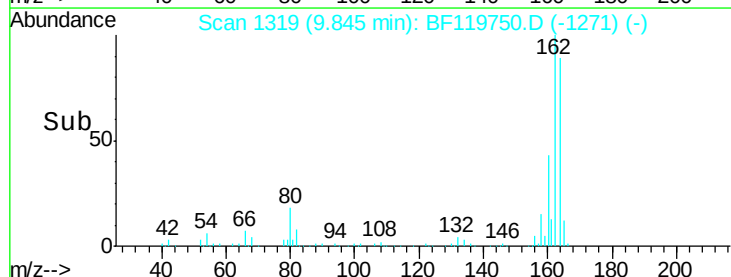
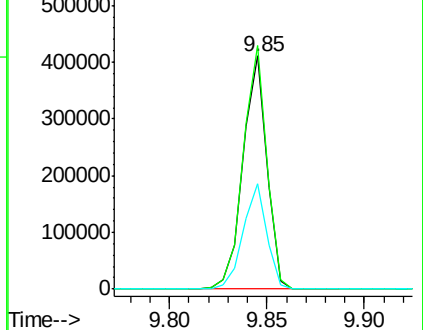
160 45.1 35.7 53.5

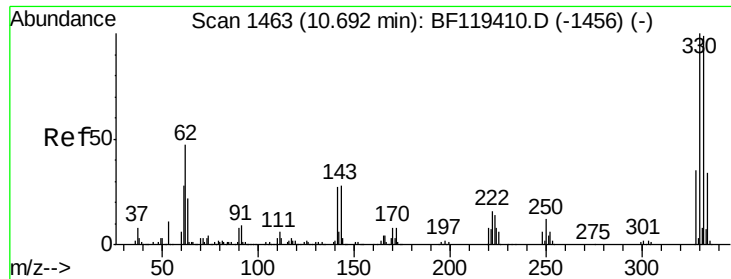


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

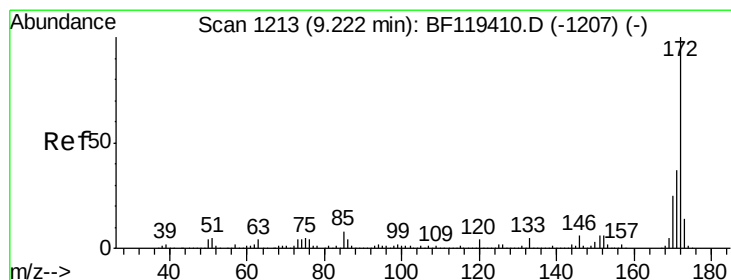
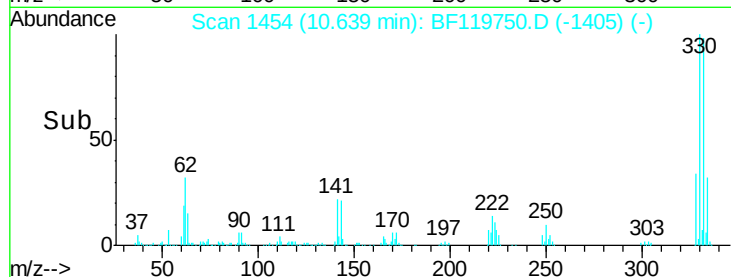
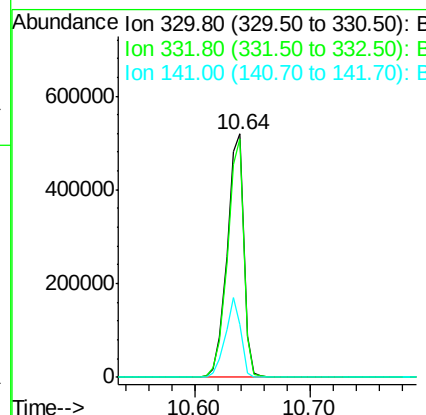
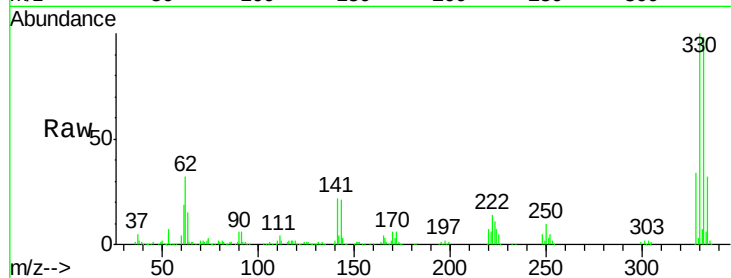




#42
 2,4,6-Tribromophenol
 Concen: 144.52 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

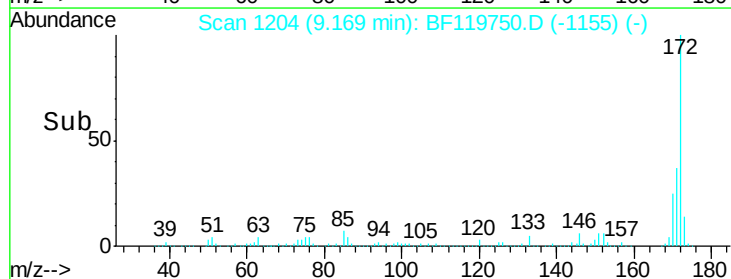
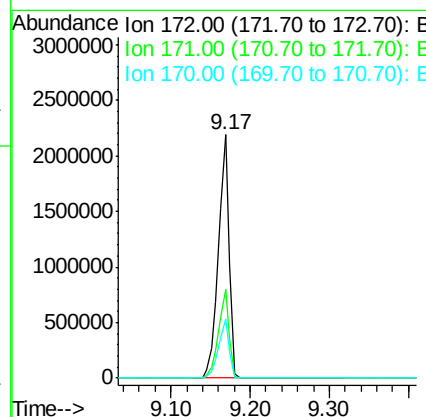
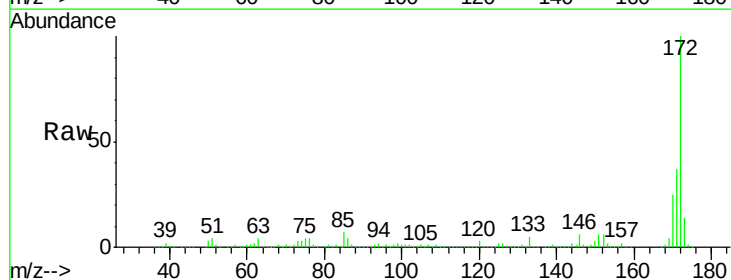
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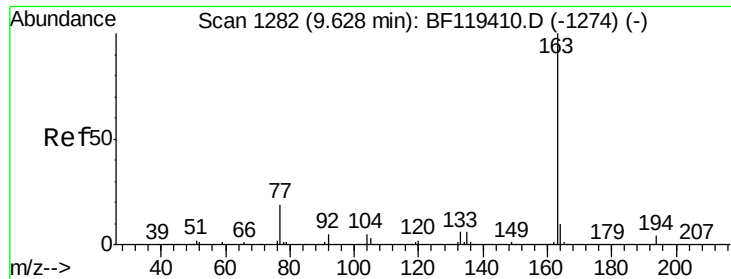
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	75.7	113.5
141	30.7	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 87.23 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.5	20.2	30.2

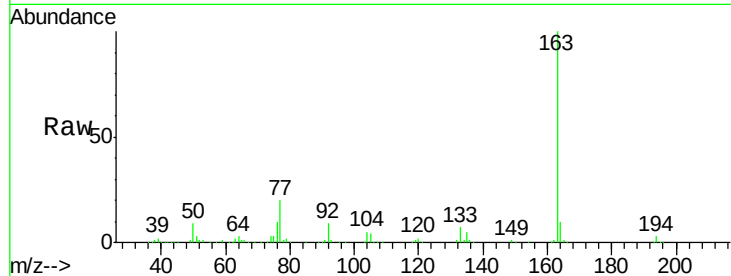




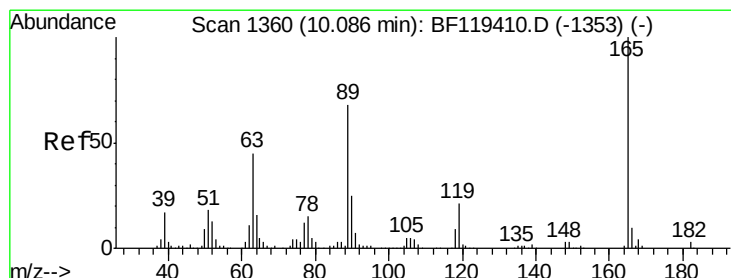
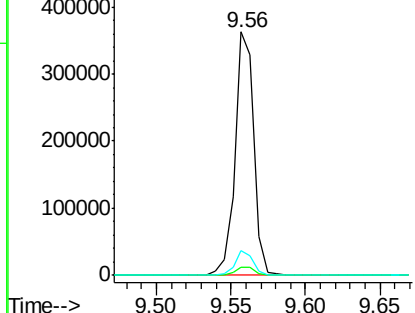
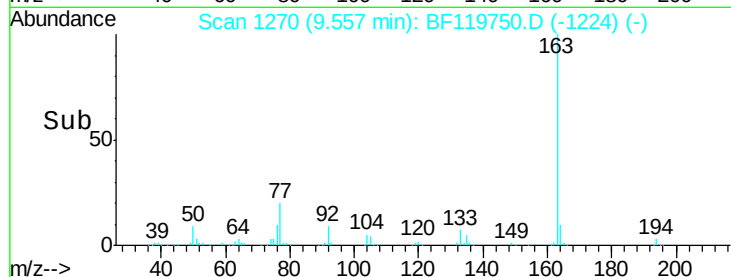
#50
Dimethylphthalate
Concen: 12.86 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.1	4.7
164	10.1	8.2	12.2

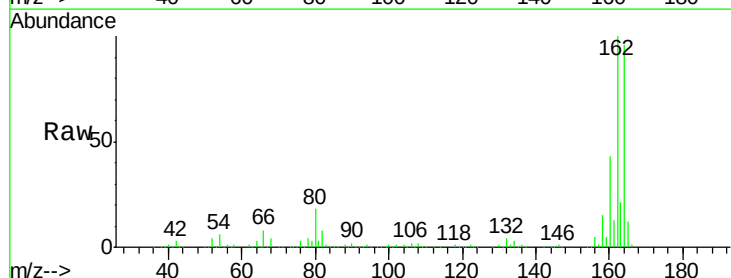


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

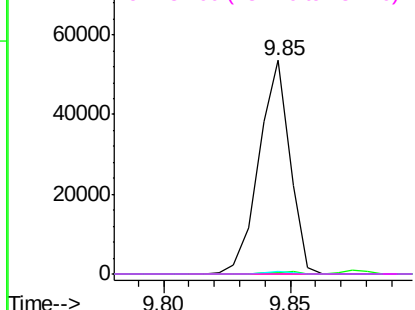
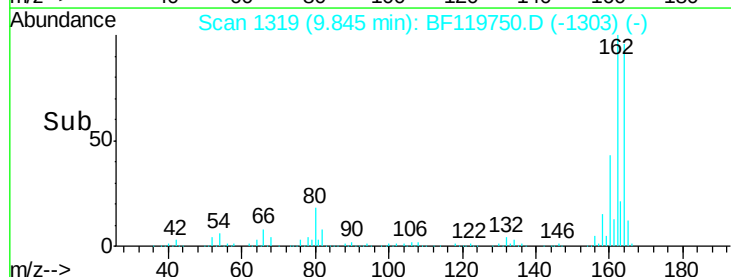


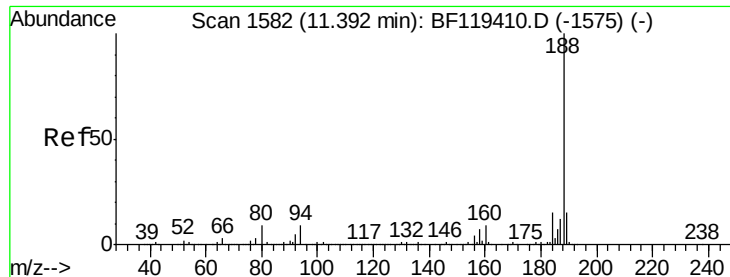
#57
2,4-Dinitrotoluene
Concen: 6.83 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.6	42.6	64.0#
89	1.2	61.0	91.4#
182	0.0	2.2	3.2#



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

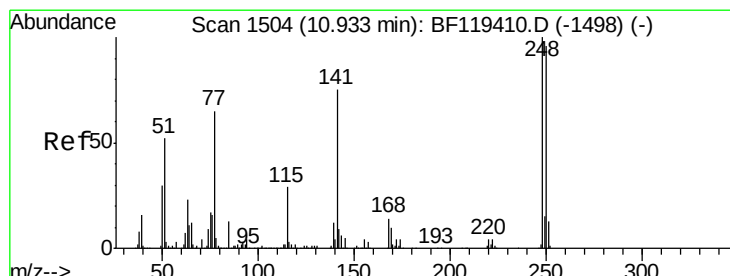
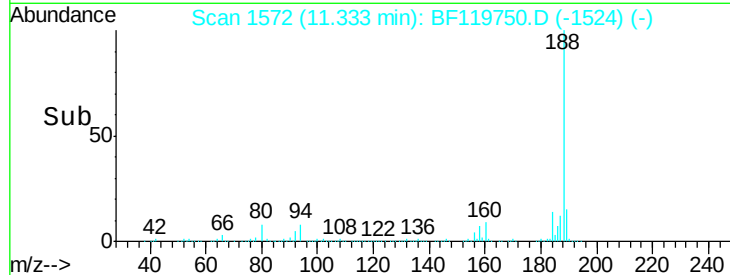
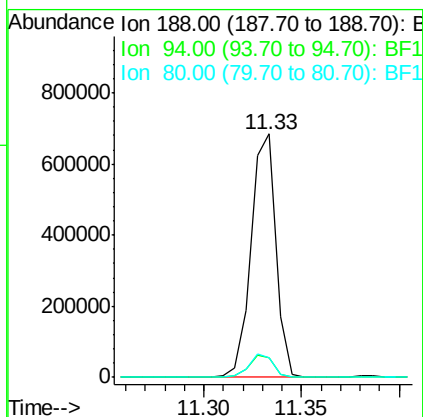
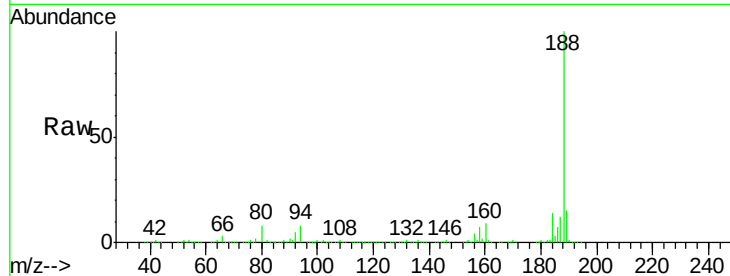




#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

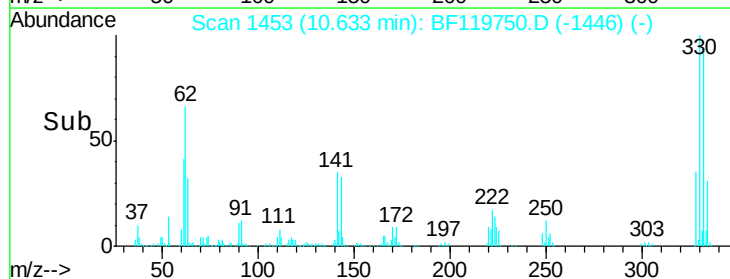
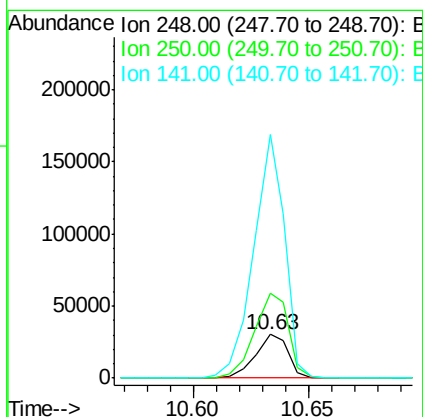
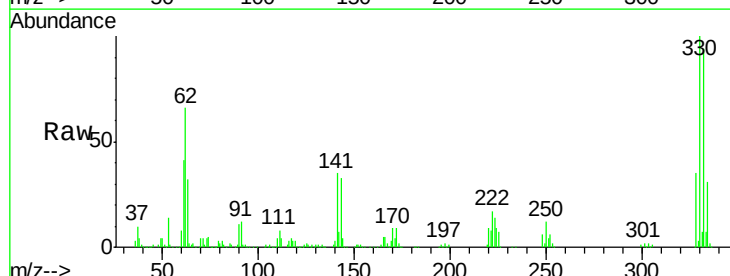
Instrument :
 BNA_F
 ClientSampleId :
 239-05060708-0-6

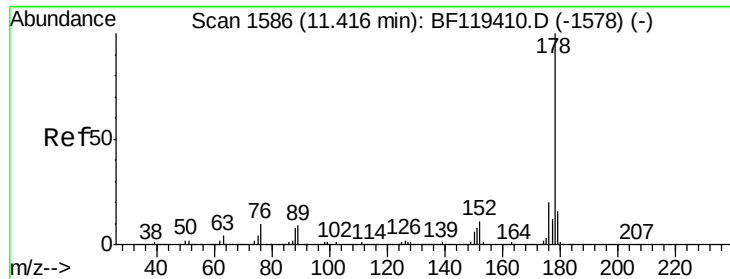
Tgt Ion:188 Resp: 604189
 Ion Ratio Lower Upper
 188 100
 94 8.0 7.5 11.3
 80 8.3 9.0 13.4#



#67
 4-Bromophenyl-phenylether
 Concen: 4.40 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.26 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

Tgt Ion:248 Resp: 30280
 Ion Ratio Lower Upper
 248 100
 250 194.9 77.3 115.9#
 141 560.7 58.6 87.8#

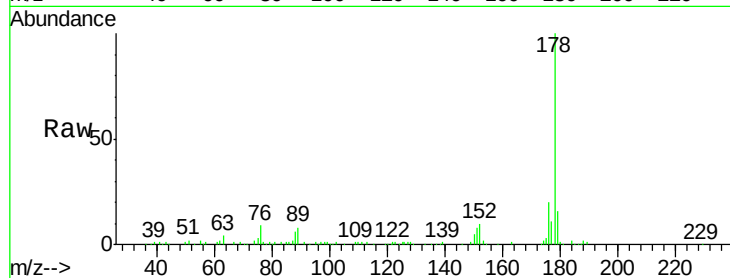




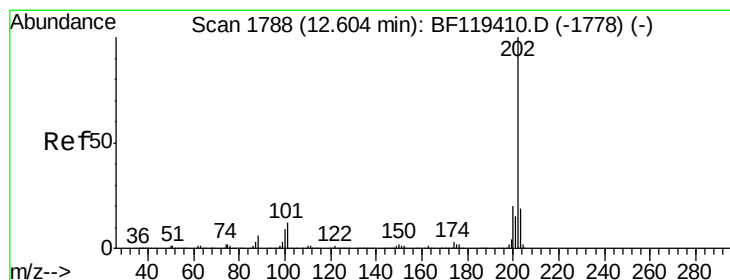
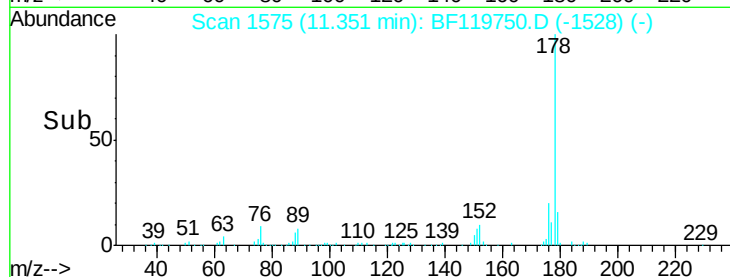
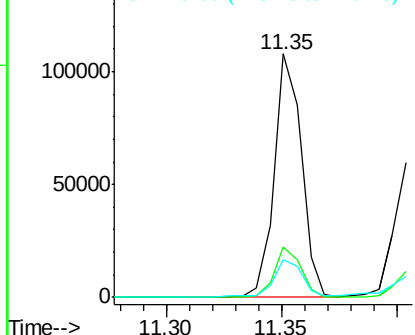
#71
Phenanthrene
Concen: 2.82 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

Instrument :
BNA_F
ClientSampleId :
239-05060708-0-6

Tgt Ion:178 Resp: 88331
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 15.7 13.2 19.8

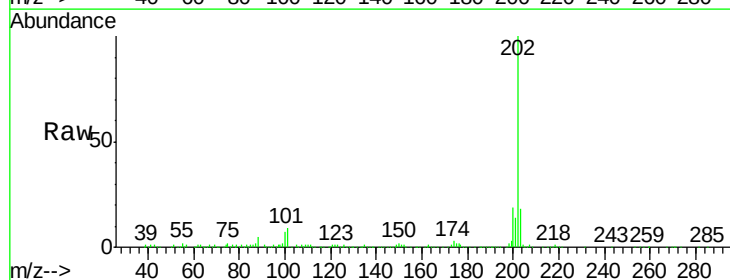


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

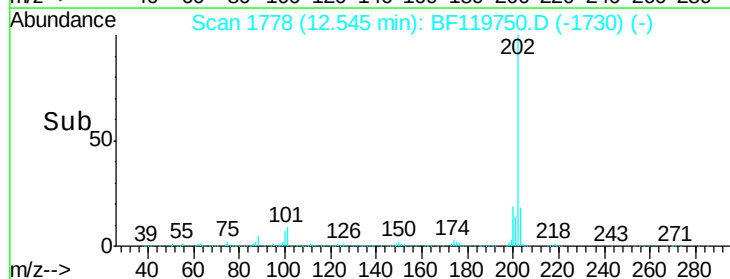
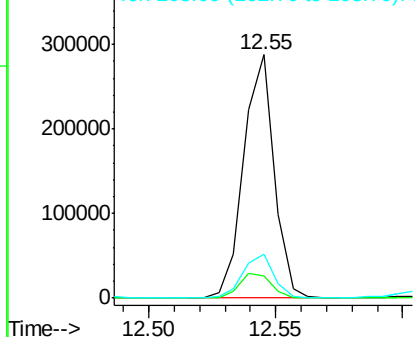


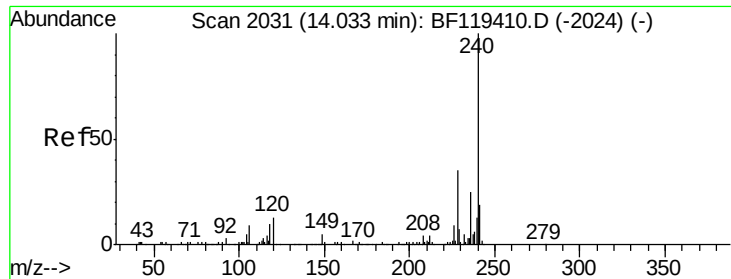
#75
Fluoranthene
Concen: 7.07 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.02 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

Tgt Ion:202 Resp: 239835
Ion Ratio Lower Upper
202 100
101 9.2 0.0 32.2
203 18.2 0.0 38.8



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

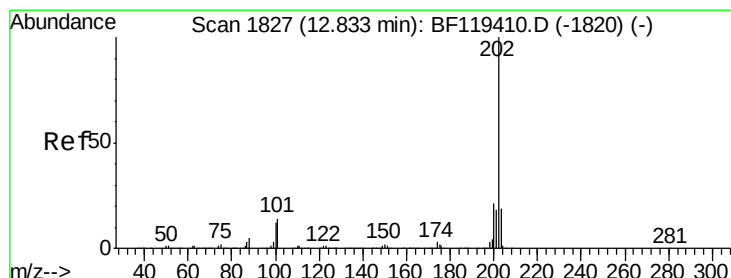
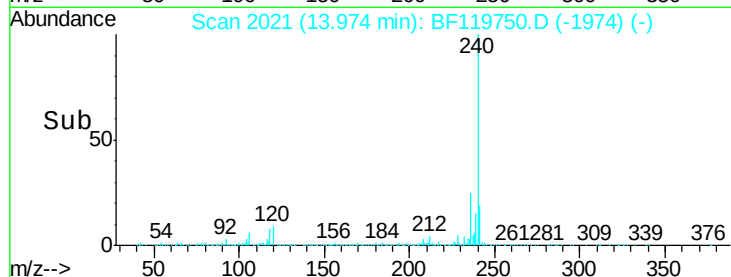
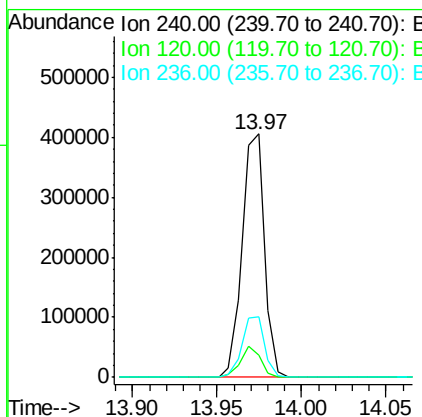
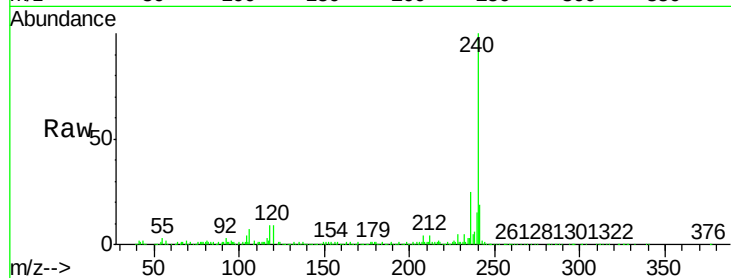




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

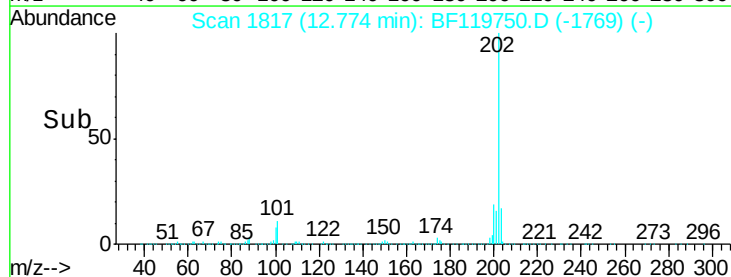
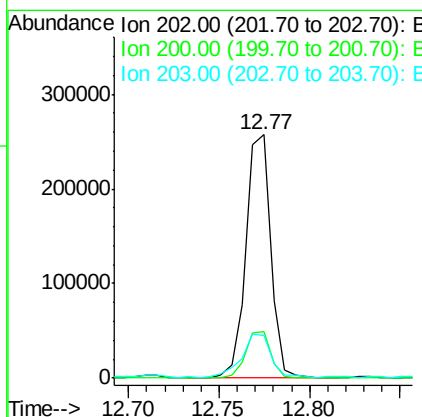
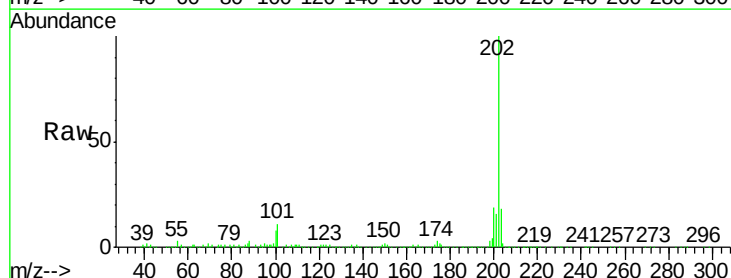
Instrument :
BNA_F
ClientSampleId :
239-05060708-0-6

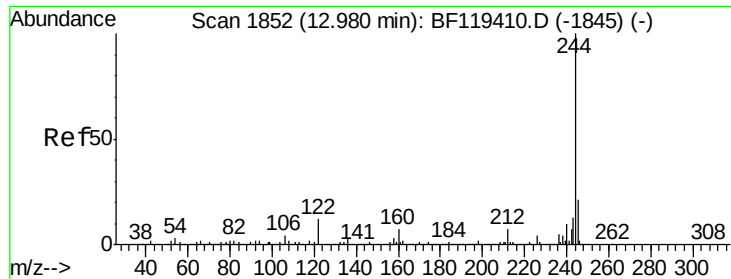
Tgt Ion:240 Resp: 376912
Ion Ratio Lower Upper
240 100
120 9.3 10.6 15.8#
236 25.0 20.2 30.2



#78
Pyrene
Concen: 7.87 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

Tgt Ion:202 Resp: 243353
Ion Ratio Lower Upper
202 100
200 18.9 16.8 25.2
203 17.5 15.1 22.7

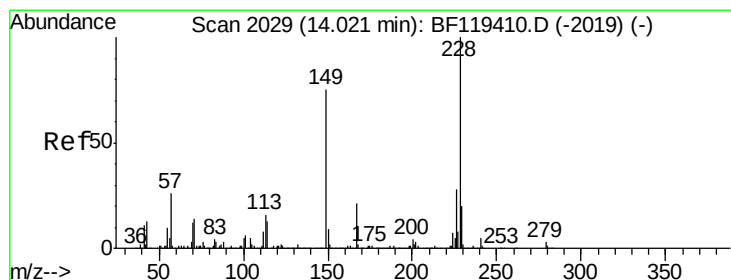
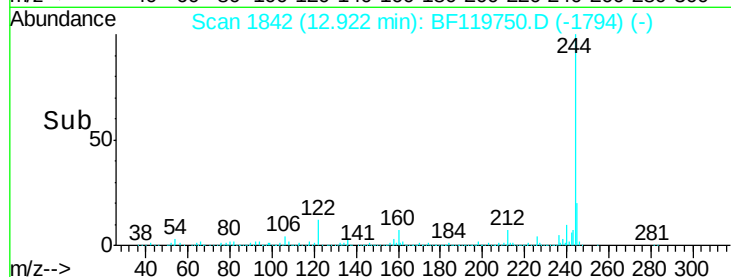
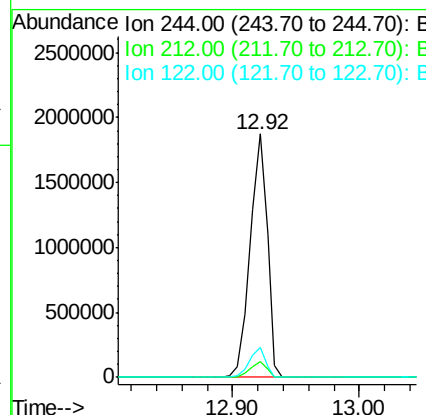
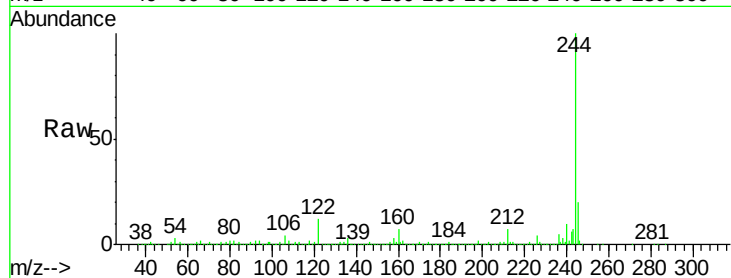




#79
 Terphenyl-d14
 Concen: 91.02 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.02 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

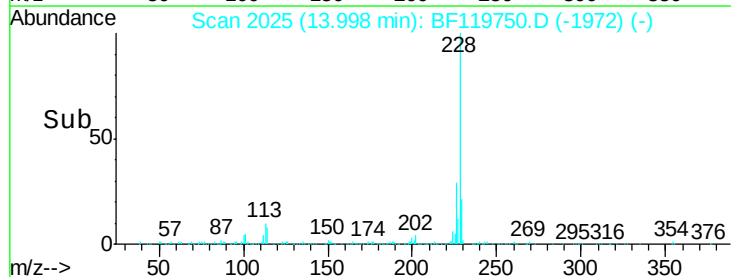
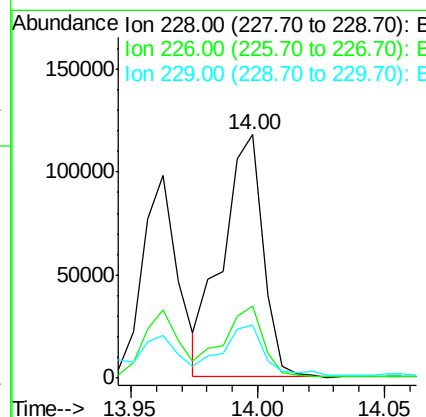
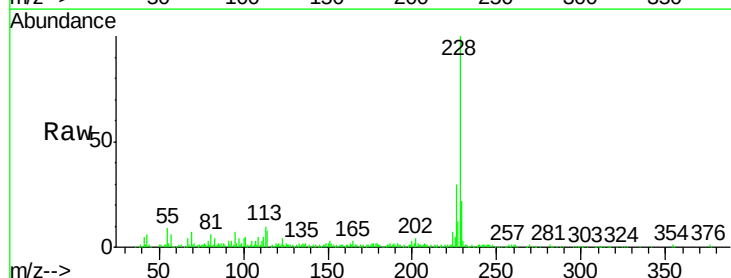
Instrument :
 BNA_F
 ClientSampleId :
 239-05060708-0-6

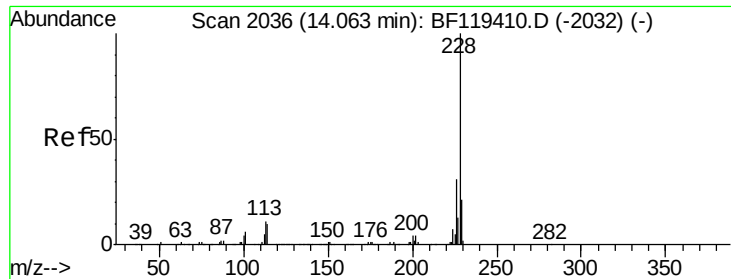
Tgt Ion:244 Resp: 1751071
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 12.1 10.3 15.5



#81
 Benzo(a)anthracene
 Concen: 5.31 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

Tgt Ion:228 Resp: 130238
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.8 32.8
 229 21.9 16.2 24.4





#83

Chrysene

Concen: 5.15 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

Instrument :

BNA_F

ClientSampleId :

239-05060708-0-6

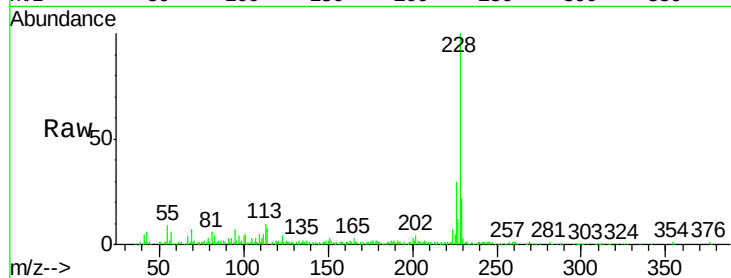
Tgt Ion:228 Resp: 130238

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.0

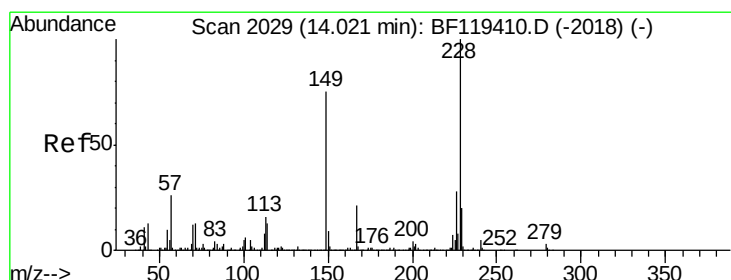
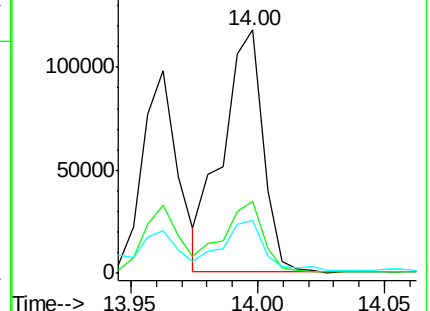
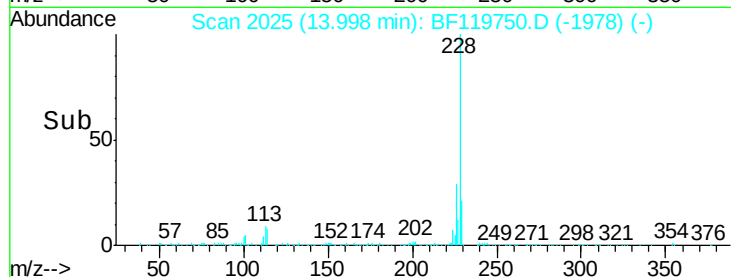
229 21.9 16.6 24.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.38 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.02 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

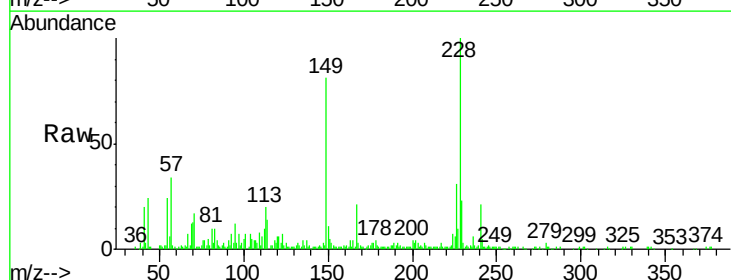
Tgt Ion:149 Resp: 50449

Ion Ratio Lower Upper

149 100

167 26.0 21.3 31.9

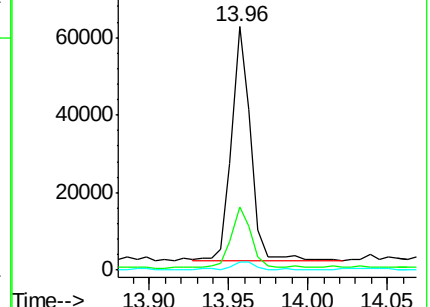
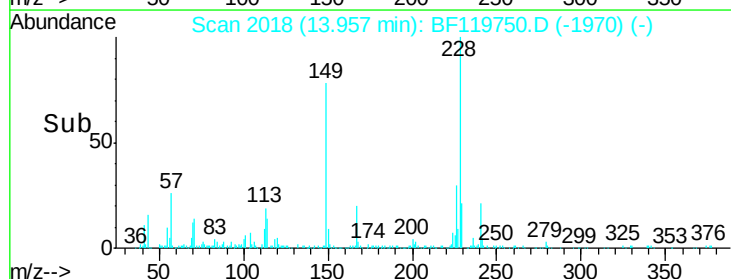
279 3.5 2.7 4.1

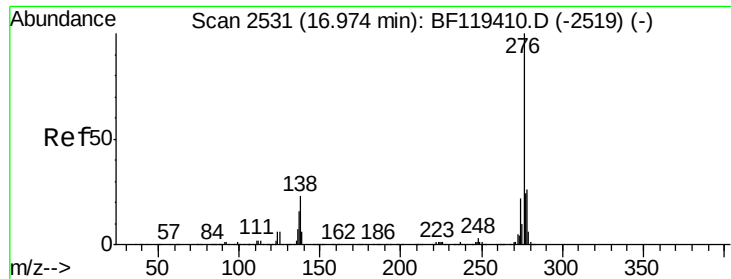


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

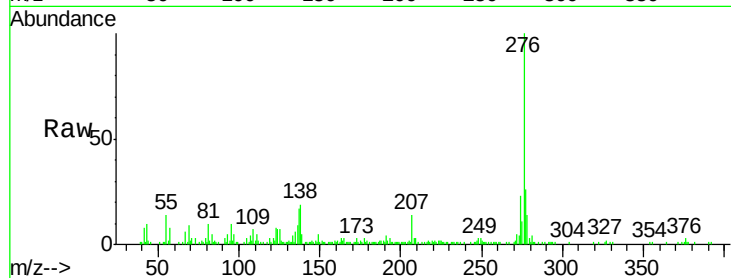




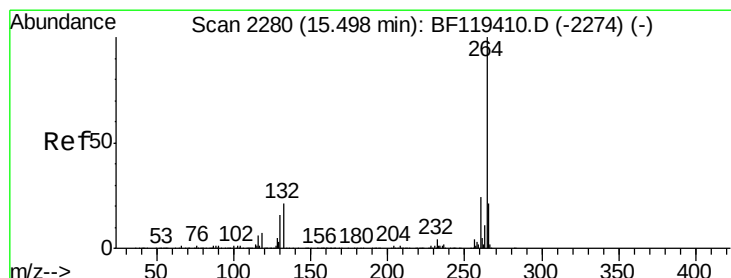
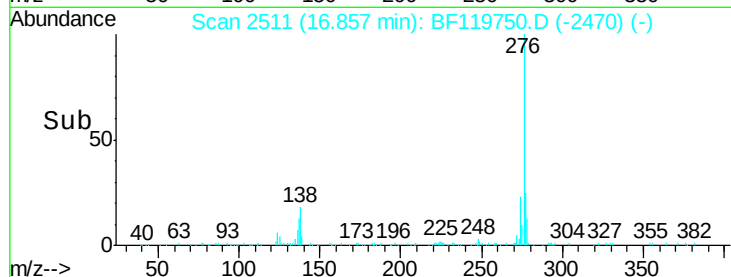
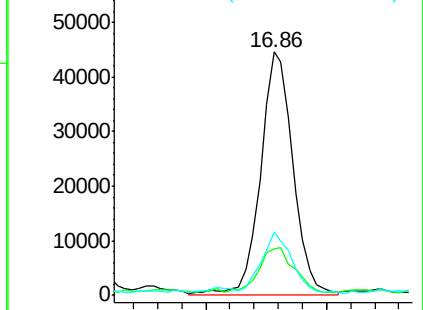
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.50 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. -0.06 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

Instrument :
 BNA_F
 ClientSampleId :
 239-05060708-0-6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.6	29.4
277	23.1	20.0	30.0

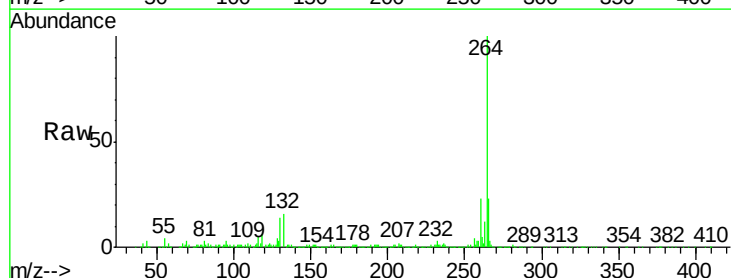


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

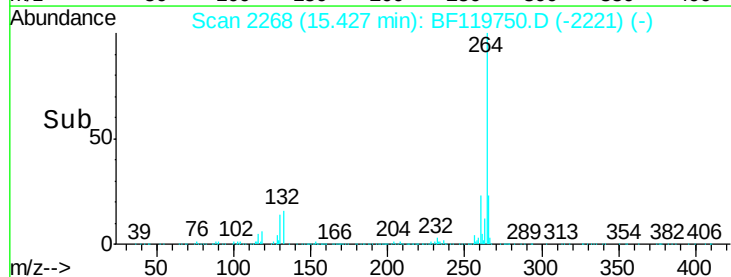
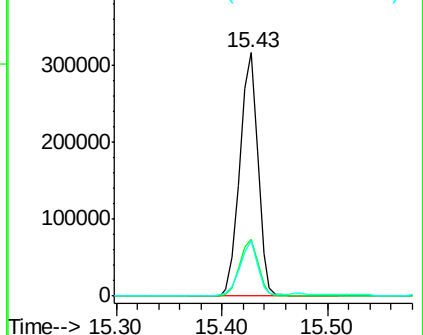


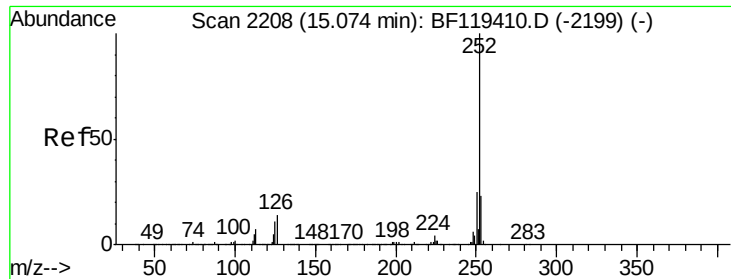
#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF119750.D
 Acq: 4 Apr 2020 7:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.8	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

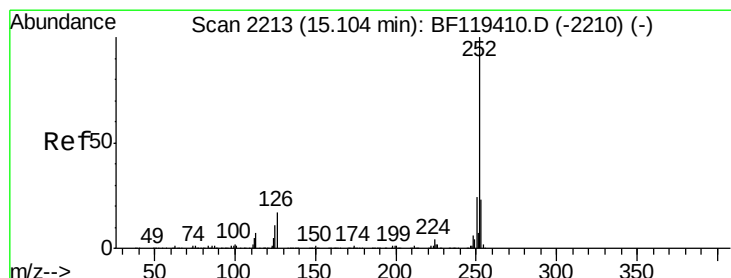
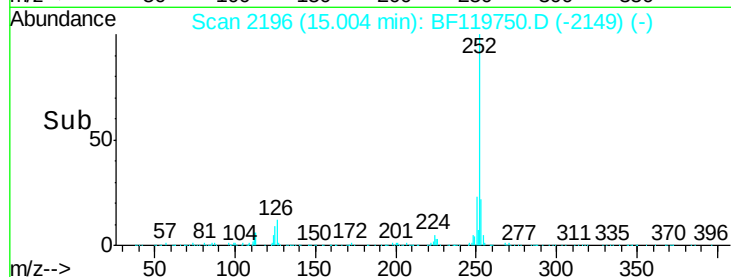
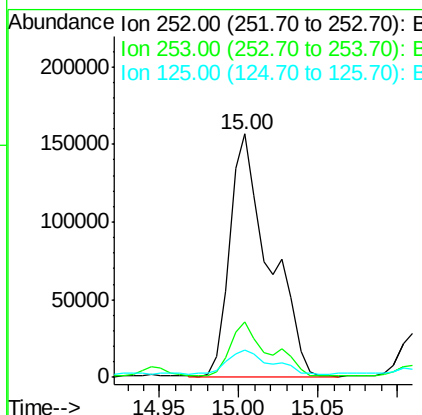
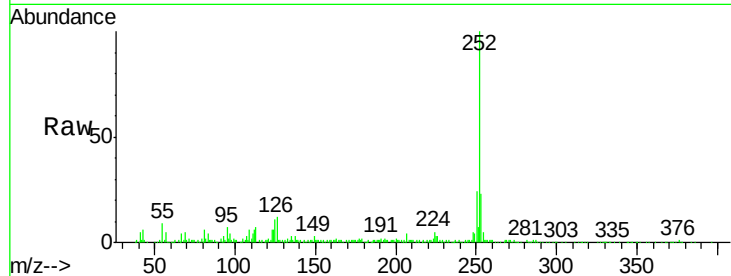




#88
Benzo(b)fluoranthene
Concen: 10.74 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

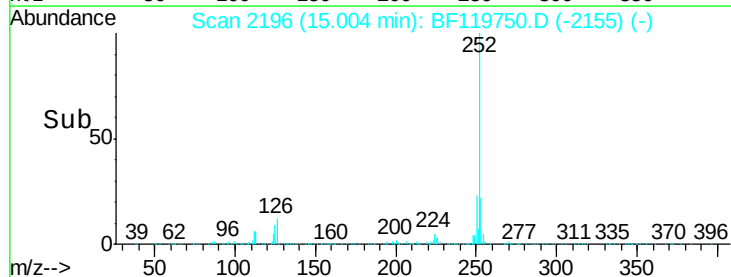
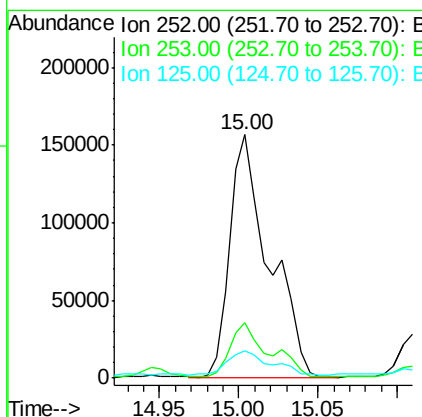
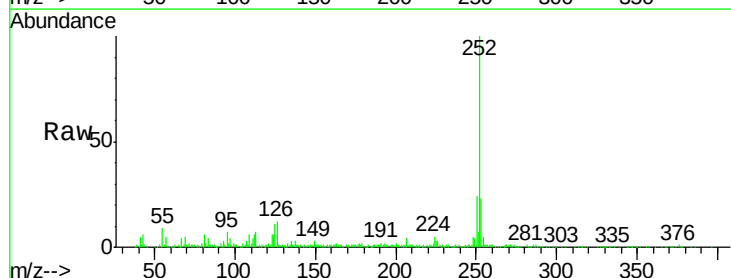
Instrument :
BNA_F
ClientSampleId :
239-05060708-0-6

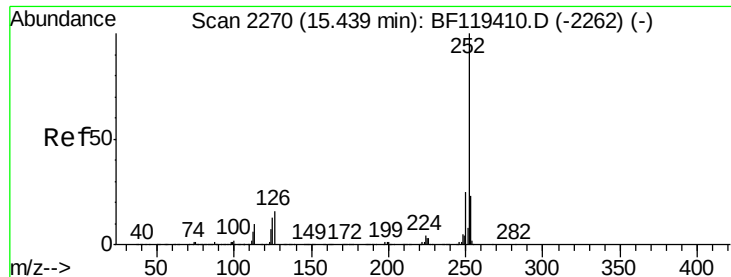
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.9	7.9	11.9



#89
Benzo(k)fluoranthene
Concen: 11.28 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.06 min
Lab File: BF119750.D
Acq: 4 Apr 2020 7:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.9	8.4	12.6





#90

Benzo(a)pyrene

Concen: 4.16 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.04 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

Instrument :

BNA_F

ClientSampleId :

239-05060708-0-6

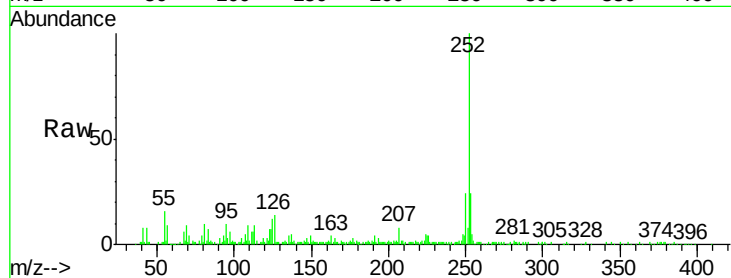
Tgt Ion:252 Resp: 94588

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

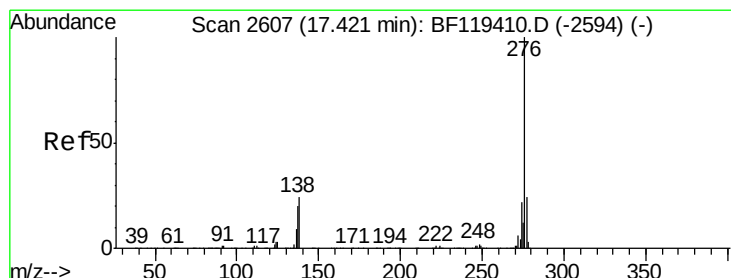
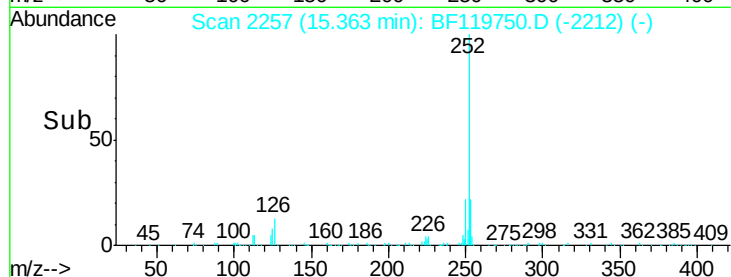
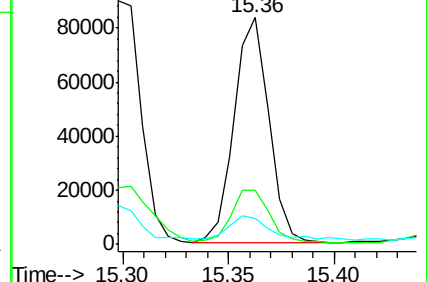
125 11.5 9.4 14.2



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



#92

Benzo(g,h,i)perylene

Concen: 3.91 ng

RT: 17.29 min Scan# 2585

Delta R.T. -0.06 min

Lab File: BF119750.D

Acq: 4 Apr 2020 7:35

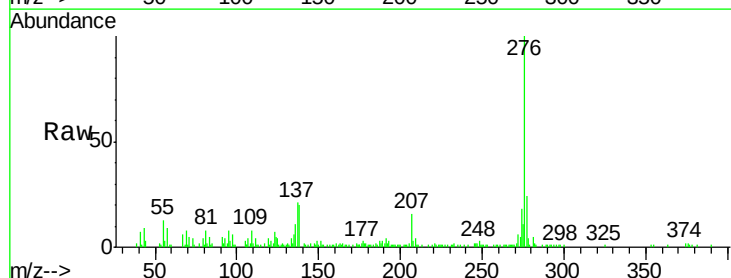
Tgt Ion:276 Resp: 78037

Ion Ratio Lower Upper

276 100

277 23.6 18.4 27.6

138 20.0 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

