

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040120\
 Data File : BF119705.D
 Acq On : 2 Apr 2020 8:55
 Operator : MA/SJ
 Sample : L1758-01 5X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Quant Time: Apr 02 09:26:27 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	6.82	152	241977	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	880818	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	400943	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	629994	20.00	ng	0.00
76) Chrysene-d12	13.99	240	422995	20.00	ng	-0.01
87) Perylene-d12	15.44	264	372813	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	319660	21.03	ng	0.00
7) Phenol-d6	6.43	99	402538	20.73	ng	-0.01
23) Nitrobenzene-d5	7.37	82	224427	13.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	80253	19.40	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	435776	16.10	ng	0.00
79) Terphenyl-d14	12.93	244	324019	15.01	ng	-0.01

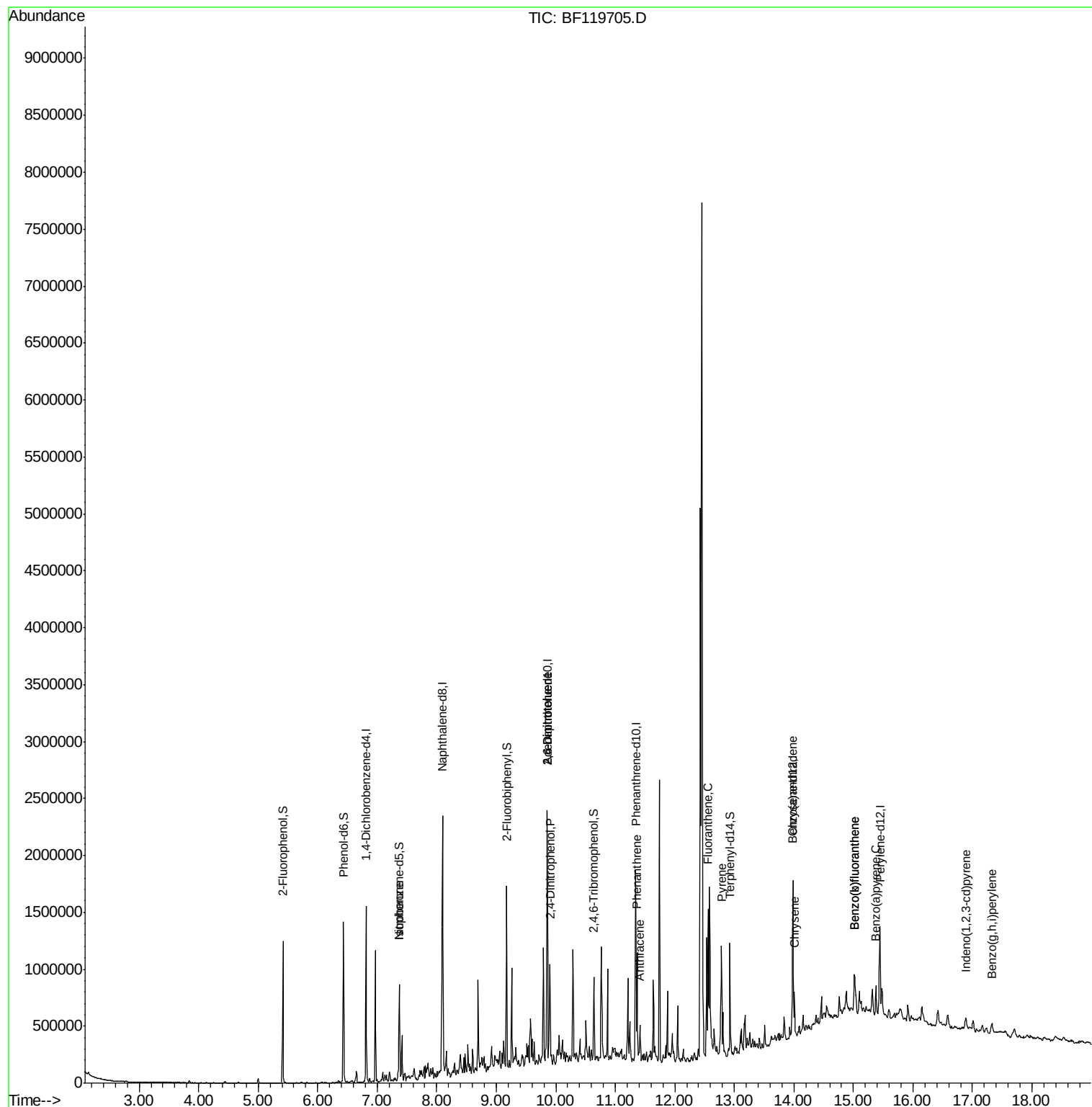
Target Compounds						Qvalue	
25) Isophorone	7.37	82	219834	6.69	ng	#	65
51) 2,6-Dinitrotoluene	9.86	165	54037	8.85	ng	#	27
54) 2,4-Dinitrophenol	9.90	184	1340	7.73	ng	#	1
57) 2,4-Dinitrotoluene	9.86	165	54037	7.03	ng	#	21
71) Phenanthrene	11.37	178	344221	10.54	ng		98
72) Anthracene	11.42	178	109158	3.29	ng		97
75) Fluoranthene	12.56	202	419768	11.87	ng		96
78) Pyrene	12.79	202	378891	10.91	ng		97
81) Benzo(a)anthracene	13.97	228	183273	6.66	ng		98
83) Chrysene	14.01	228	150022	5.28	ng		97
86) Indeno(1,2,3-cd)pyrene	16.89	276	70980	2.65	ng		95
88) Benzo(b)fluoranthene	15.02	252	247931	9.96	ng	#	95
89) Benzo(k)fluoranthene	15.02	252	247931	10.46	ng	#	96
90) Benzo(a)pyrene	15.38	252	130948	5.79	ng		96
92) Benzo(g,h,i)perylene	17.33	276	65416	3.29	ng		95

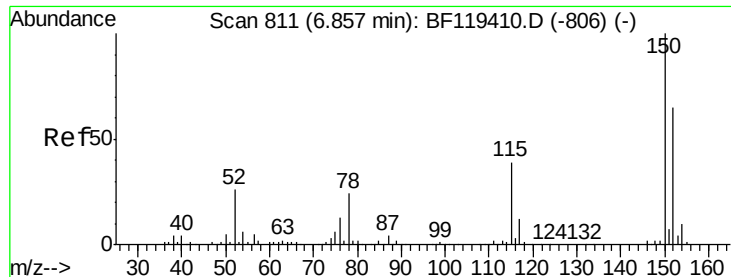
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

ClientSampleId :

PL-03-033020

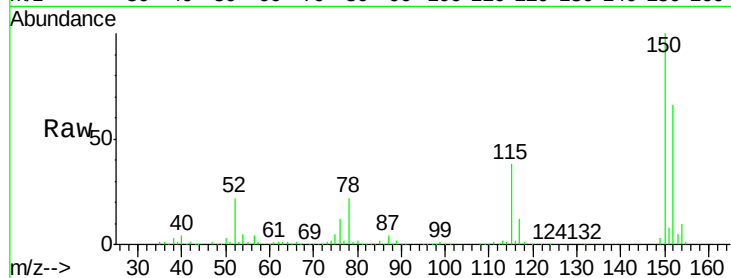
Tgt Ion:152 Resp: 241977

Ion Ratio Lower Upper

152 100

150 151.3 124.5 186.7

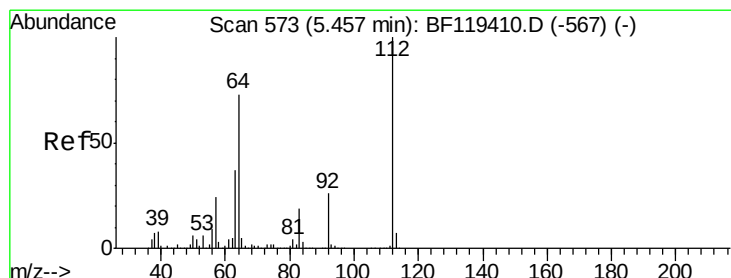
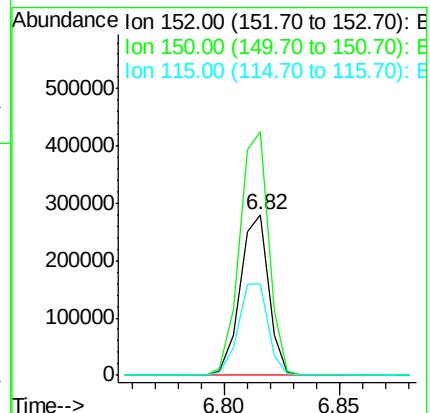
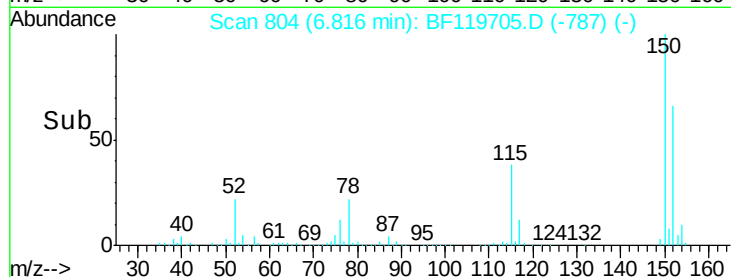
115 56.8 49.6 74.4



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: 21.03 ng

RT: 5.42 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

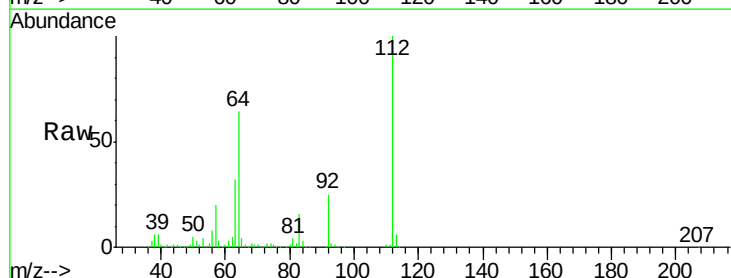
Tgt Ion:112 Resp: 319660

Ion Ratio Lower Upper

112 100

64 64.3 56.7 85.1

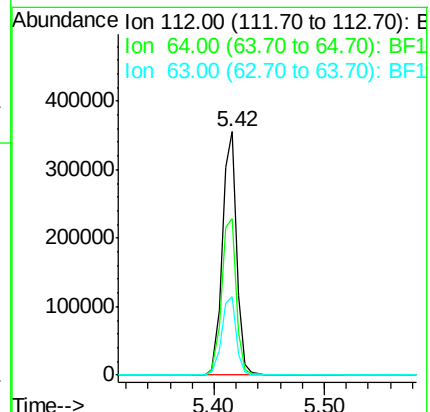
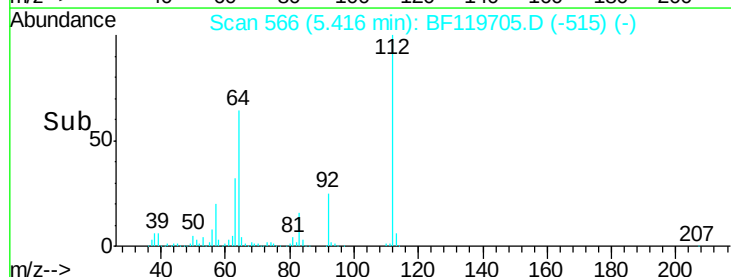
63 32.4 29.5 44.3

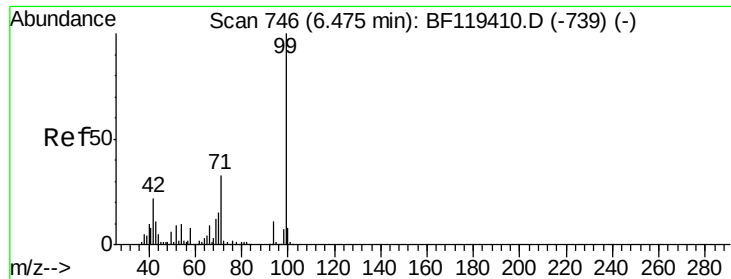


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.73 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

ClientSampleId :

PL-03-033020

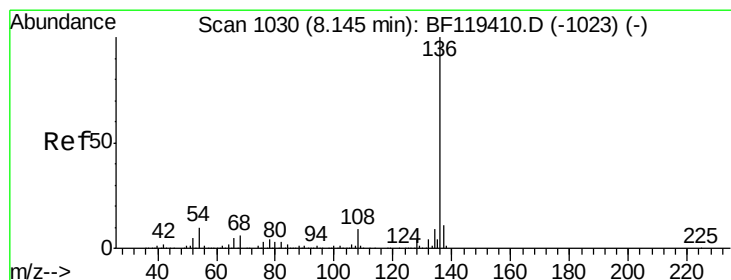
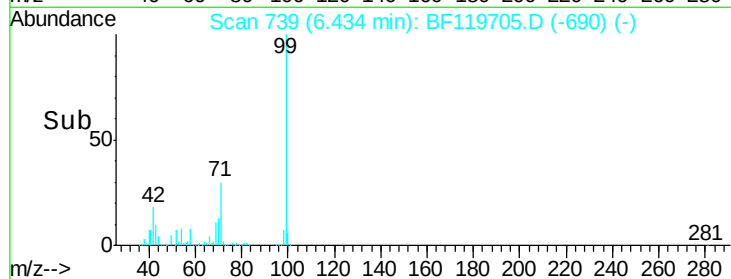
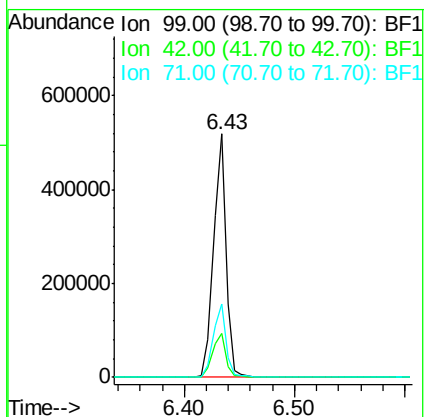
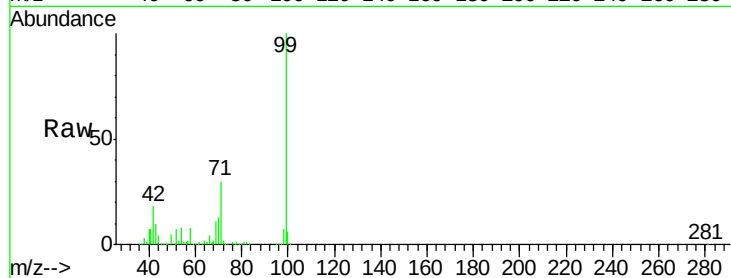
Tgt Ion: 99 Resp: 402538

Ion Ratio Lower Upper

99 100

42 18.3 16.6 24.8

71 30.0 26.4 39.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Tgt Ion: 136 Resp: 880818

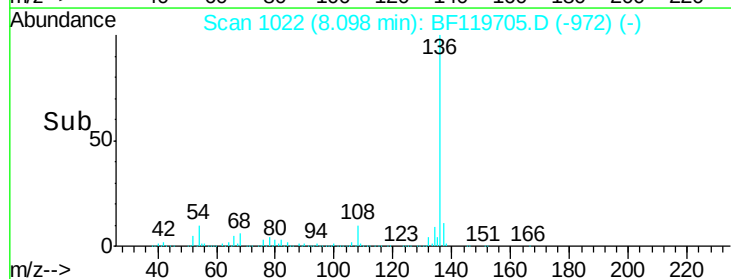
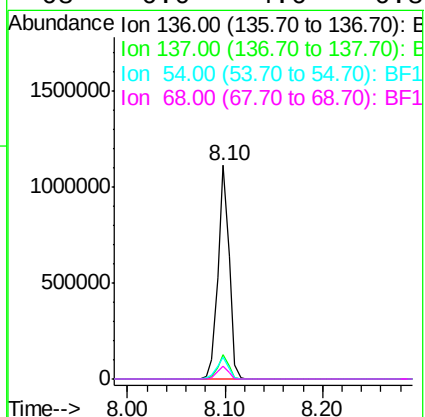
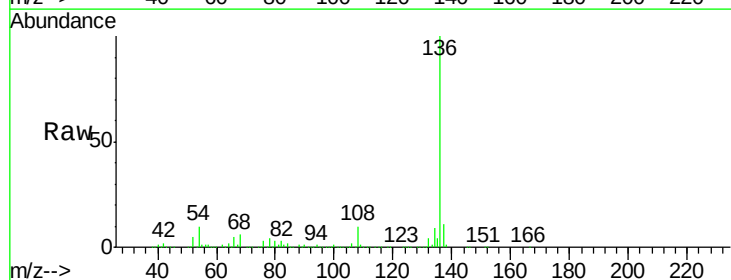
Ion Ratio Lower Upper

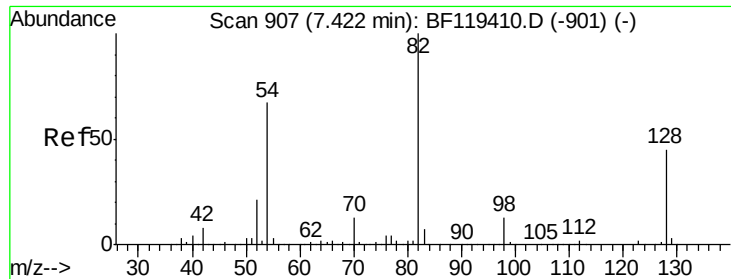
136 100

137 11.4 8.7 13.1

54 10.5 9.1 13.7

68 6.0 4.6 6.8

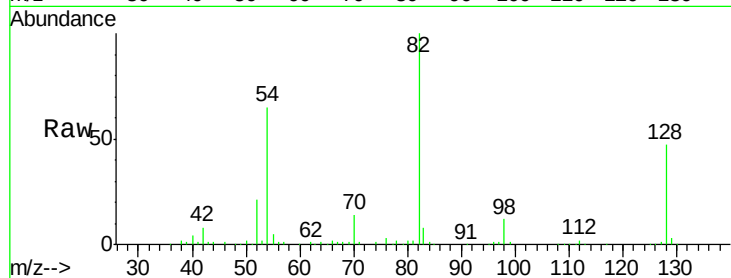




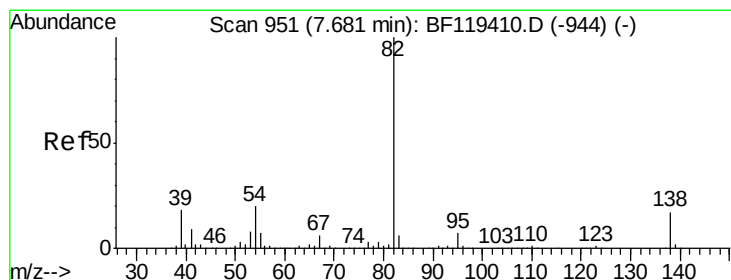
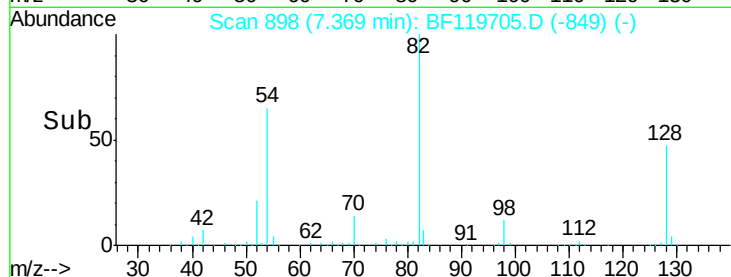
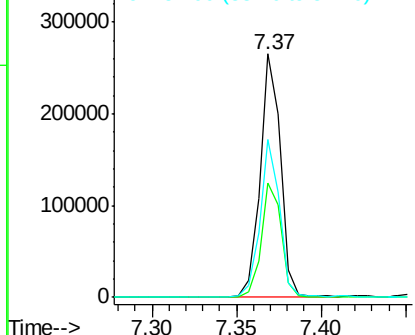
#23
Nitrobenzene-d5
Concen: 13.85 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Instrument :
BNA_F
ClientSampleId :
PL-03-033020

Tgt Ion: 82 Resp: 224427
Ion Ratio Lower Upper
82 100
128 46.8 36.3 54.5
54 65.0 50.6 75.8

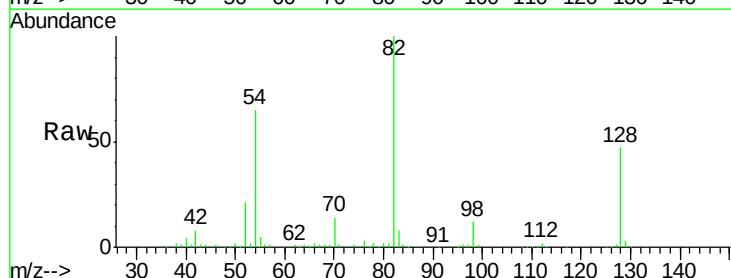


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

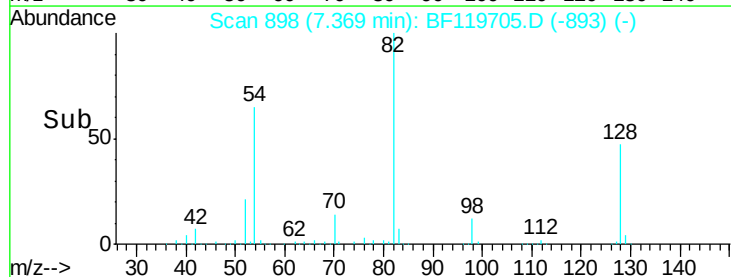
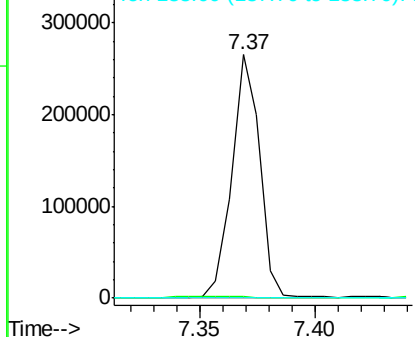


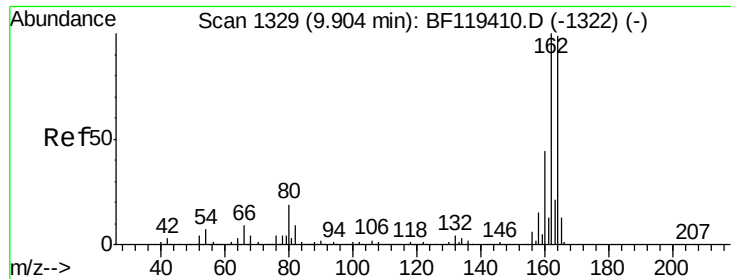
#25
Isophorone
Concen: 6.69 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion: 82 Resp: 219834
Ion Ratio Lower Upper
82 100
95 0.4 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

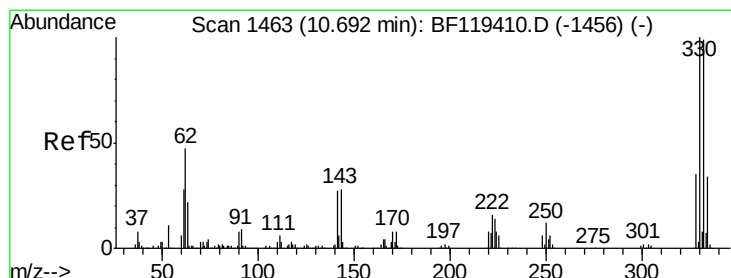
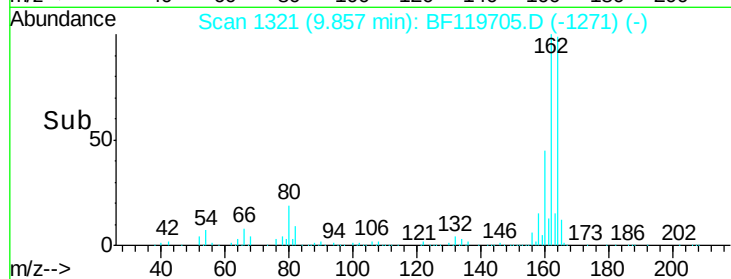
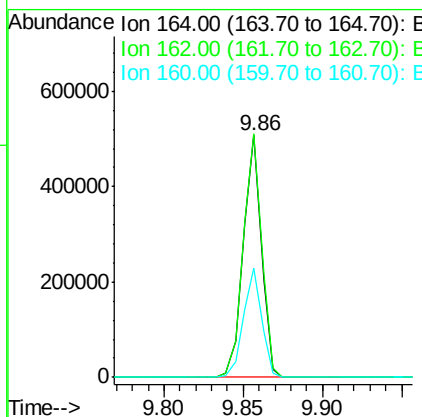
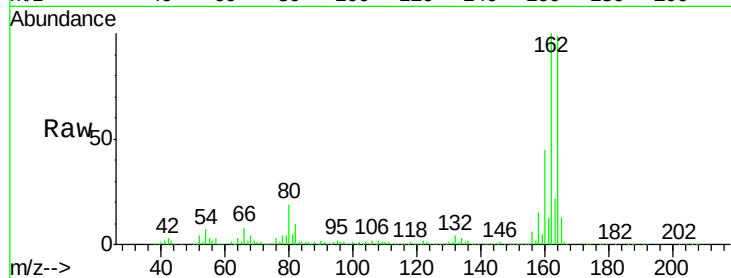




#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

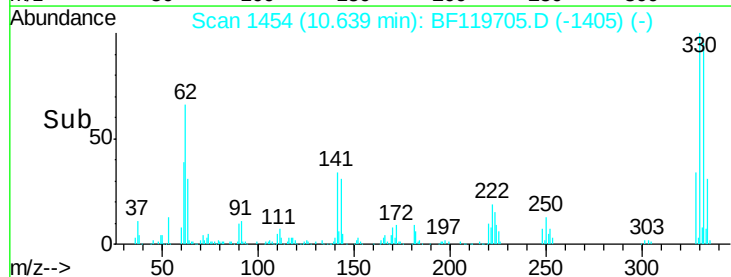
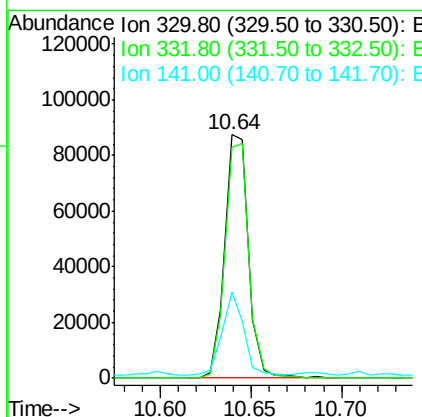
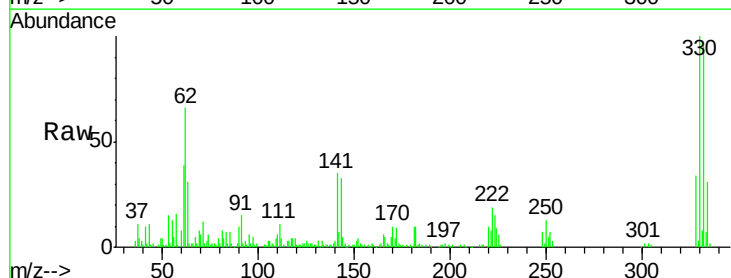
Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

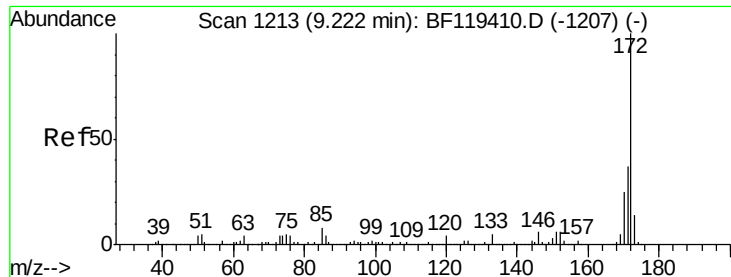
Tgt Ion:164 Resp: 400943
 Ion Ratio Lower Upper
 164 100
 162 100.6 80.6 121.0
 160 45.3 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 19.40 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Tgt Ion:330 Resp: 80253
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.7 113.5
 141 30.7 25.4 38.0

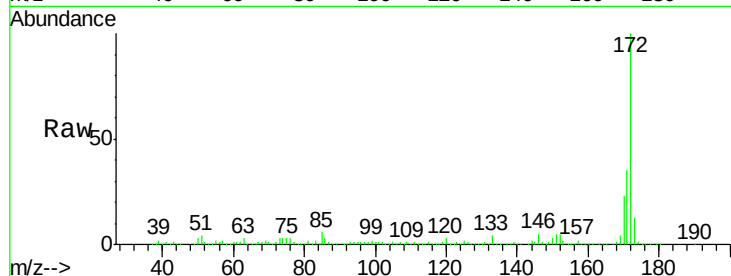




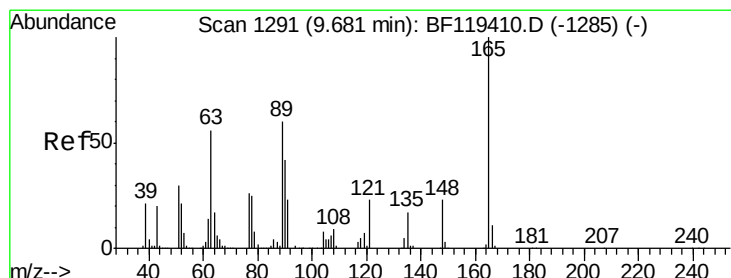
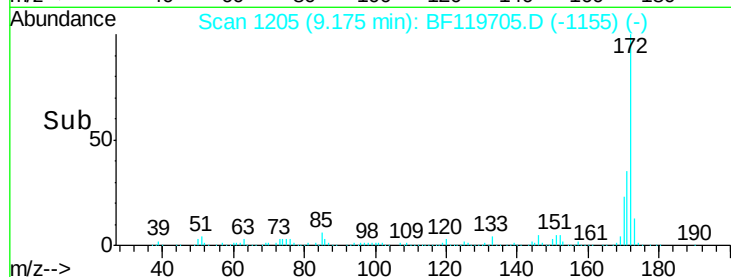
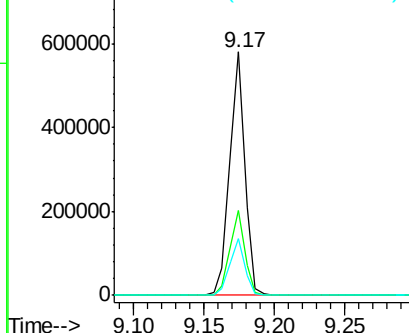
#45
 2-Fluorobiphenyl
 Concen: 16.10 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Tgt Ion:172 Resp: 435776
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 23.4 20.2 30.2

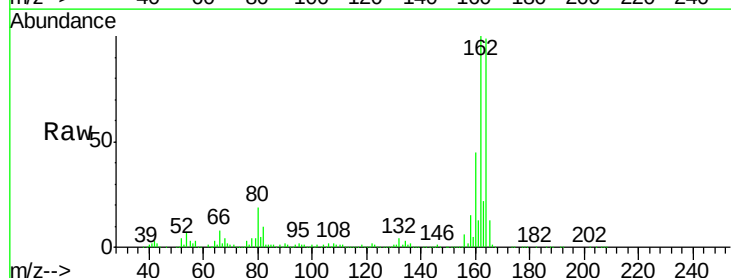


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

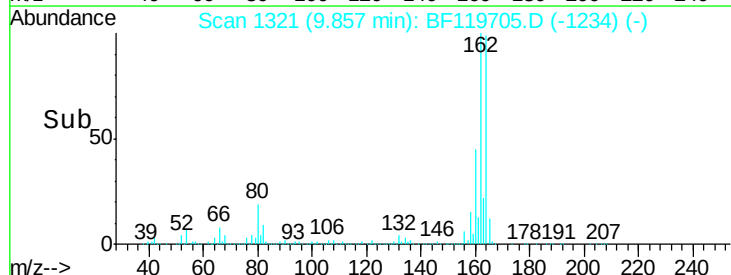
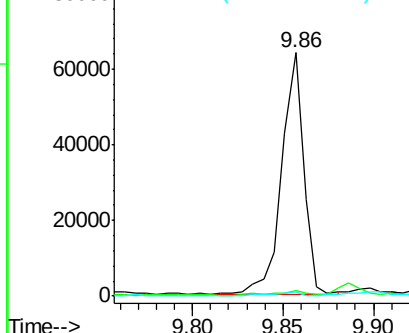


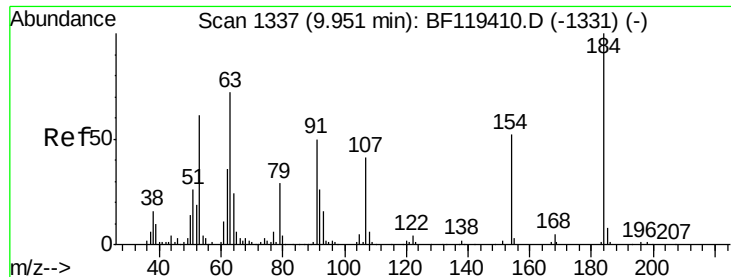
#51
 2,6-Dinitrotoluene
 Concen: 8.85 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.21 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Tgt Ion:165 Resp: 54037
 Ion Ratio Lower Upper
 165 100
 63 2.3 45.0 67.4#
 89 1.9 41.5 62.3#



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

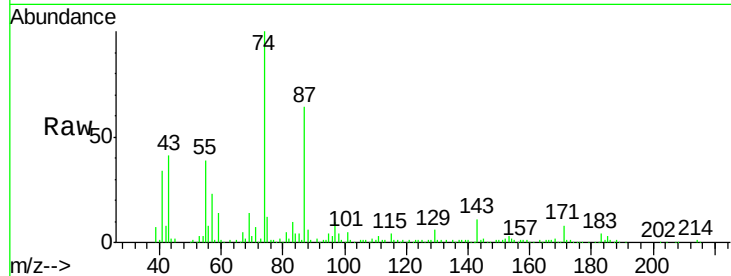




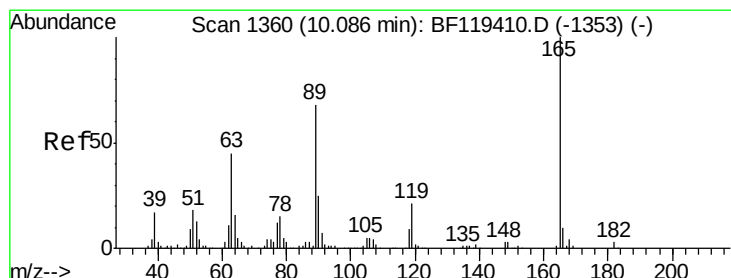
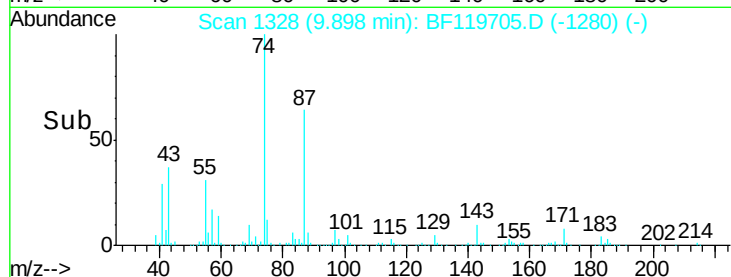
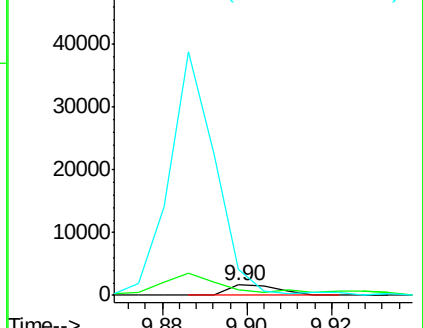
#54
2,4-Dinitrophenol
Concen: 7.73 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Instrument :
BNA_F
ClientSampleId :
PL-03-033020

Tgt Ion:184 Resp: 1340
Ion Ratio Lower Upper
184 100
63 52.8 50.2 75.4
154 251.0 44.5 66.7#

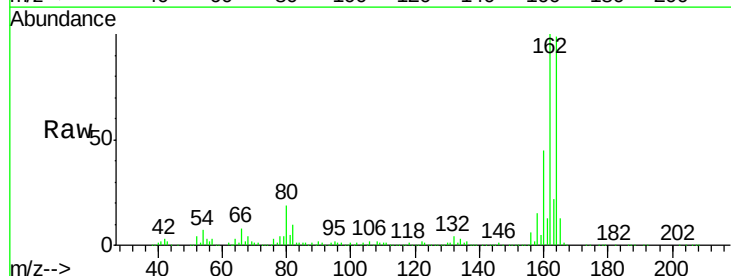


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

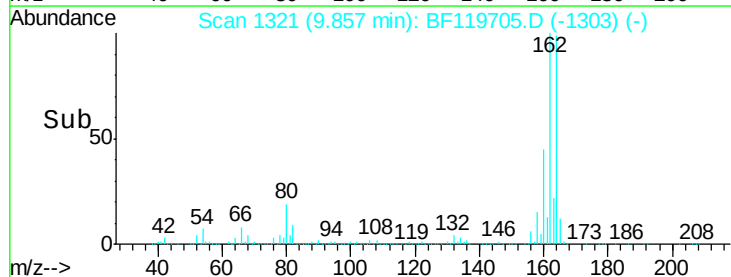
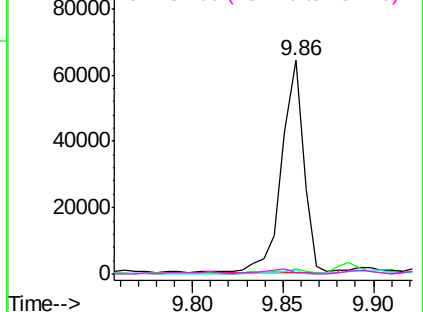


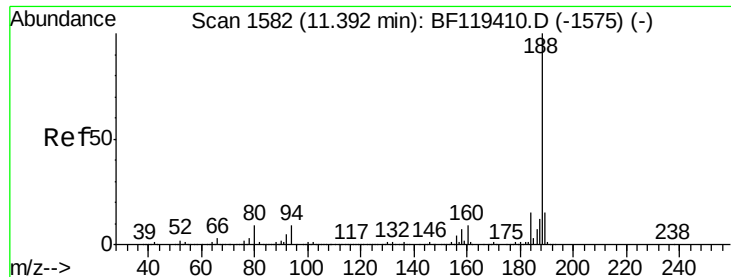
#57
2,4-Dinitrotoluene
Concen: 7.03 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.19 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion:165 Resp: 54037
Ion Ratio Lower Upper
165 100
63 2.3 42.6 64.0#
89 1.9 61.0 91.4#
182 0.8 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: 11.34 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

ClientSampleId :

PL-03-033020

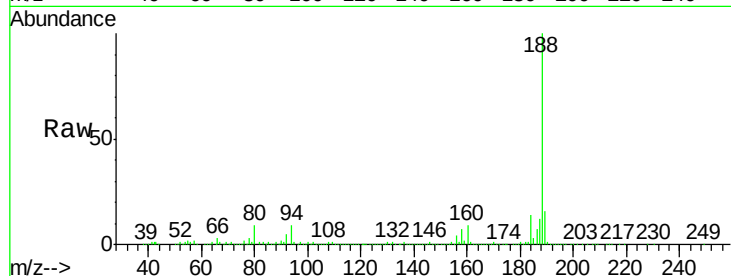
Tgt Ion:188 Resp: 629994

Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

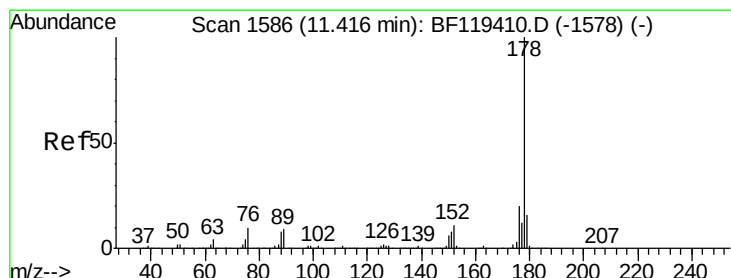
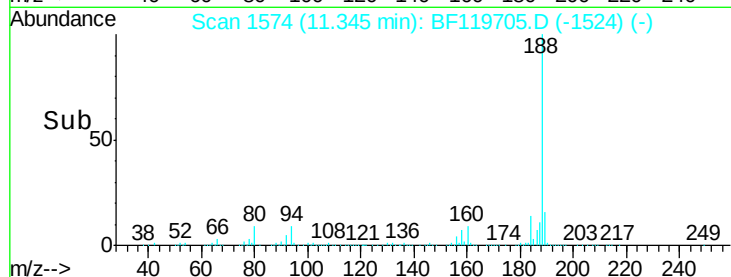
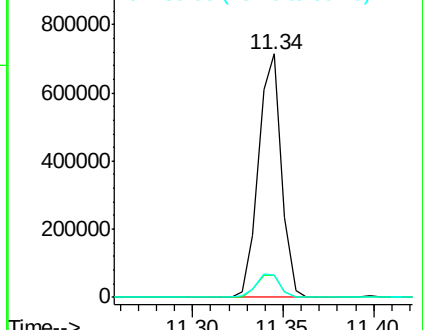
80 9.0 9.0 13.4



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: 10.54 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

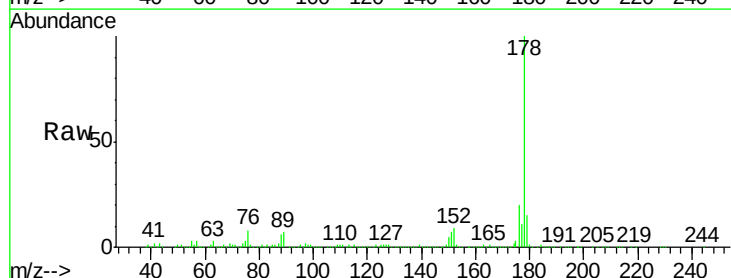
Tgt Ion:178 Resp: 344221

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

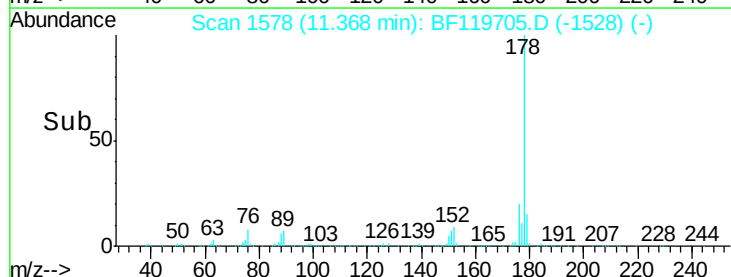
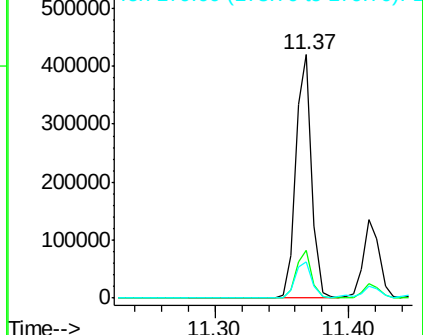
179 15.0 13.2 19.8

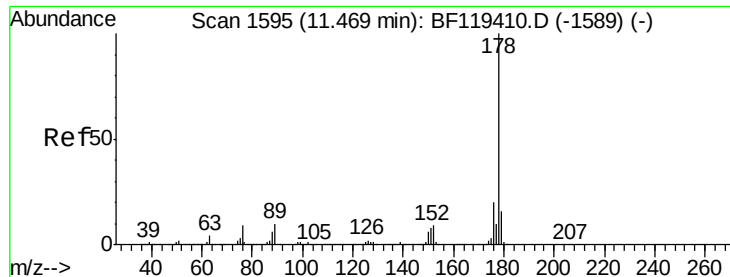


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

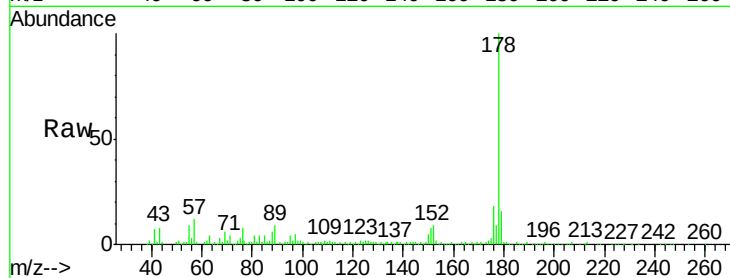




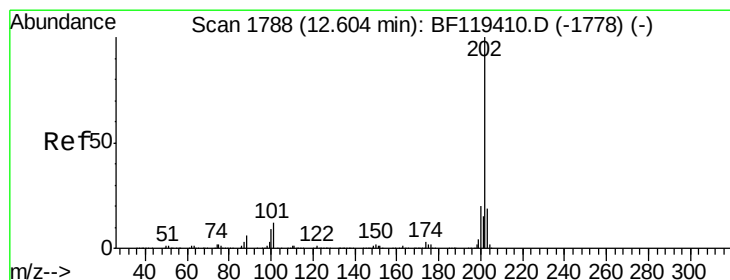
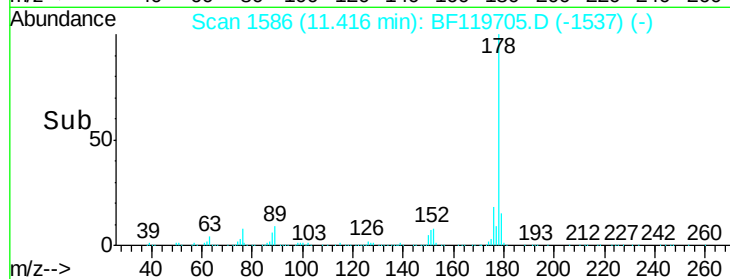
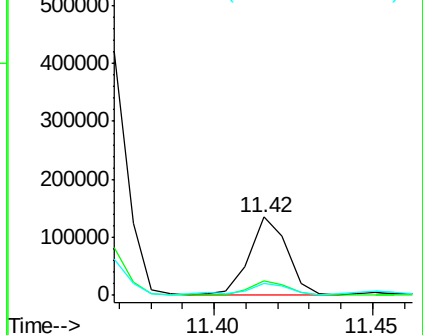
#72
 Anthracene
 Concen: 3.29 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Tgt Ion:178 Resp: 109158
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.1 24.1
 179 15.6 13.0 19.4

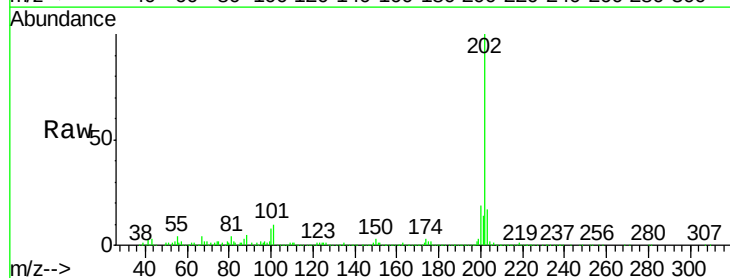


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

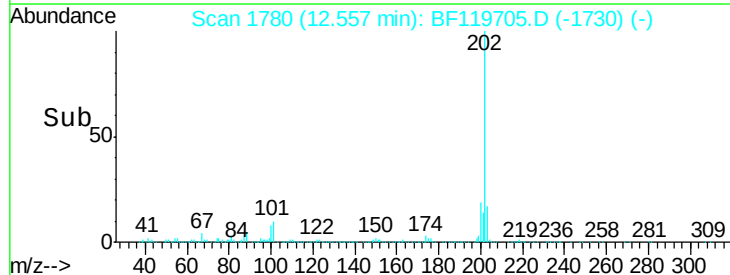
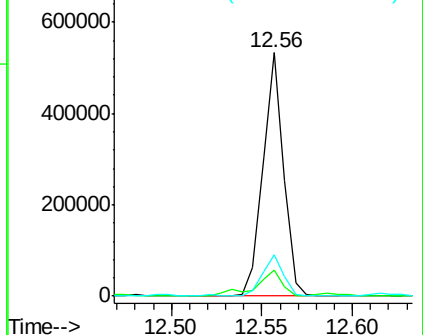


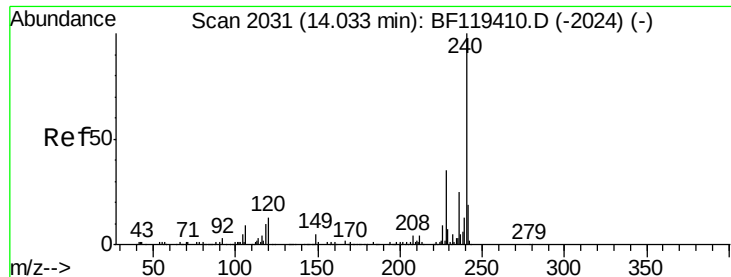
#75
 Fluoranthene
 Concen: 11.87 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Tgt Ion:202 Resp: 419768
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 32.2
 203 17.0 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

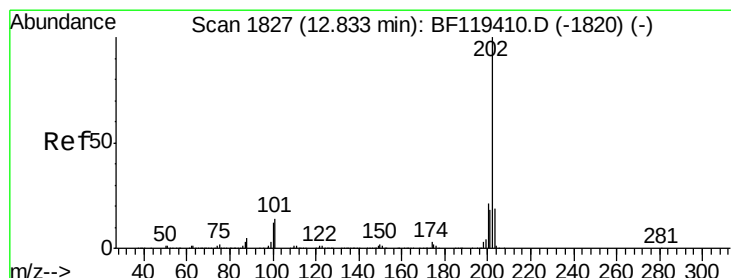
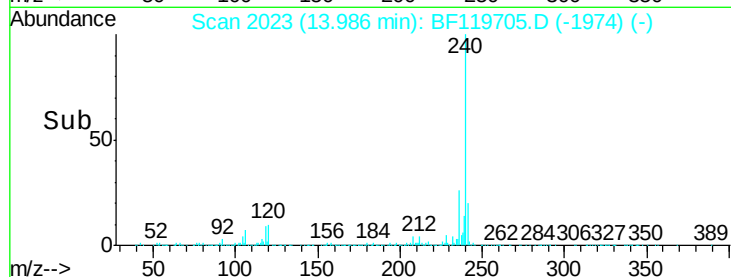
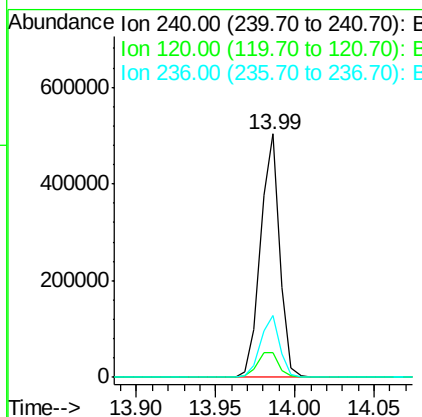
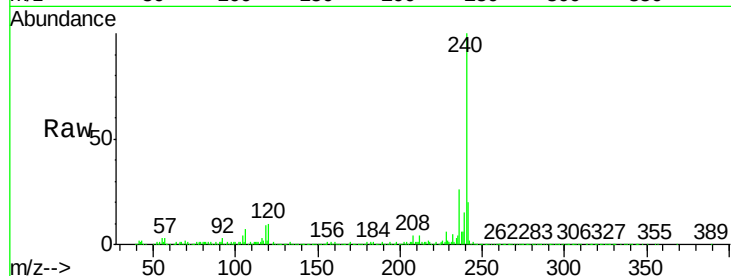




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

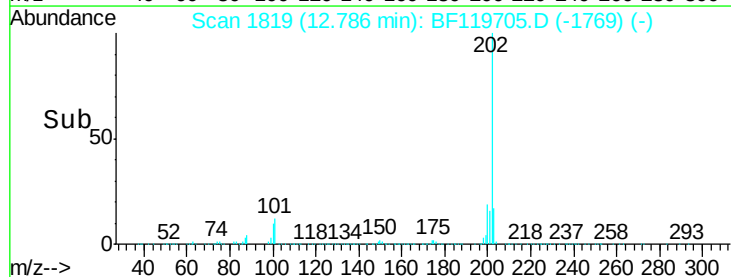
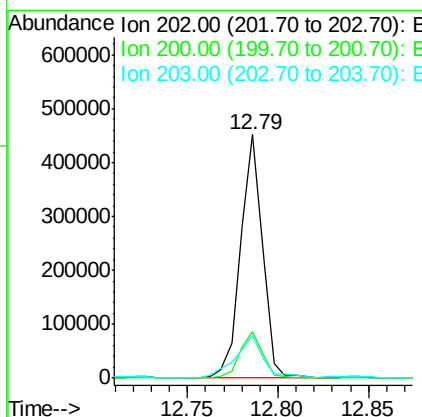
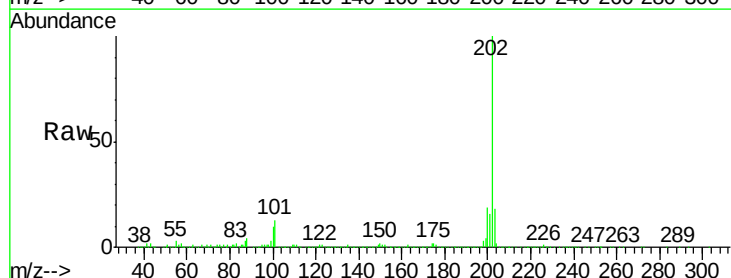
Instrument :
BNA_F
ClientSampleId :
PL-03-033020

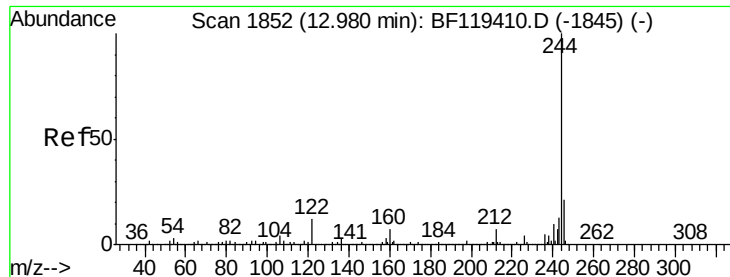
Tgt Ion:240 Resp: 422995
Ion Ratio Lower Upper
240 100
120 10.3 10.6 15.8#
236 25.6 20.2 30.2



#78
Pyrene
Concen: 10.91 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion:202 Resp: 378891
Ion Ratio Lower Upper
202 100
200 19.3 16.8 25.2
203 17.5 15.1 22.7





#79

Terphenyl-d14

Concen: 15.01 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

ClientSampleId :

PL-03-033020

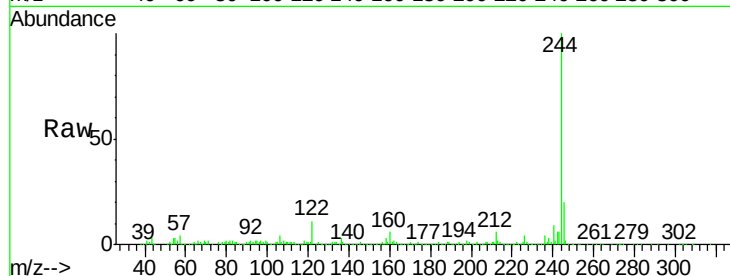
Tgt Ion:244 Resp: 324019

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

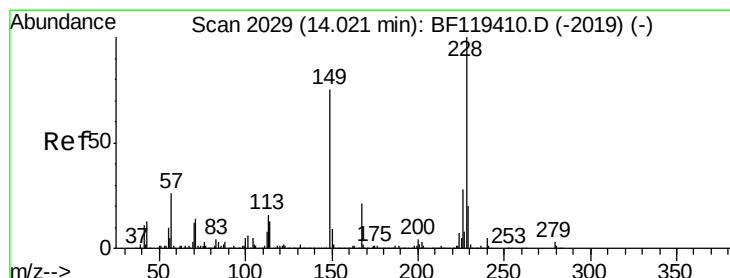
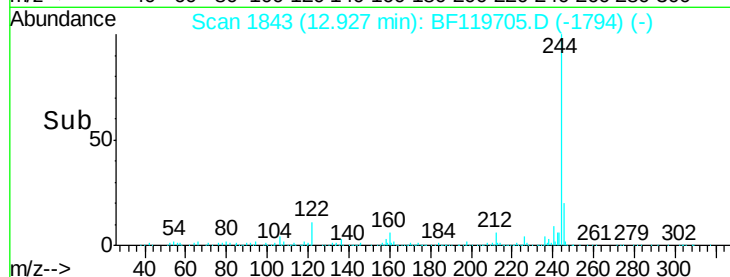
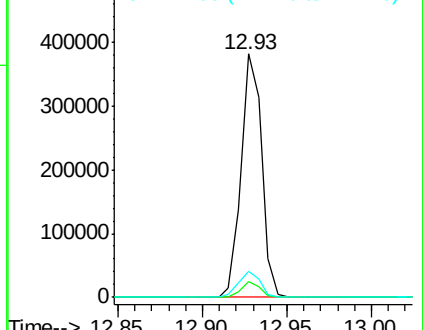
122 10.9 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.66 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

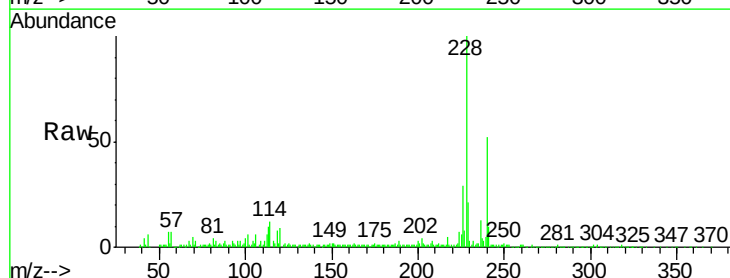
Tgt Ion:228 Resp: 183273

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

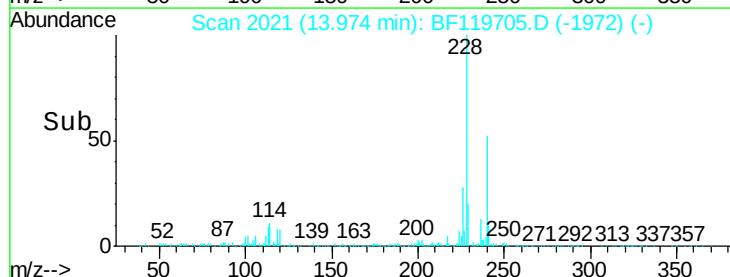
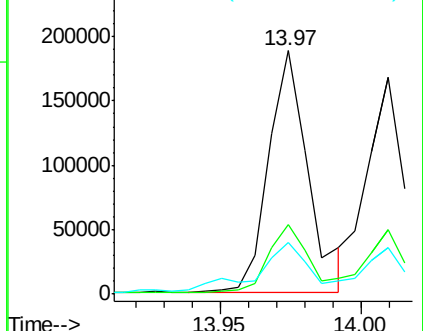
229 21.0 16.2 24.4

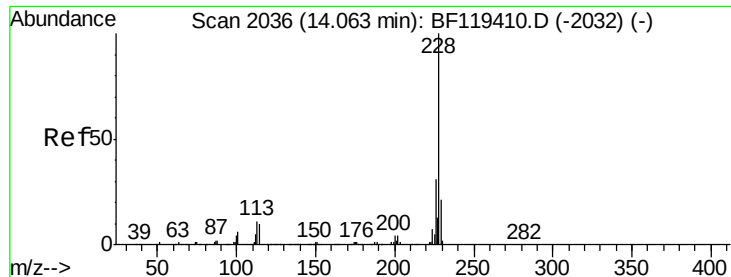


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.28 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

Instrument :

BNA_F

ClientSampleId :

PL-03-033020

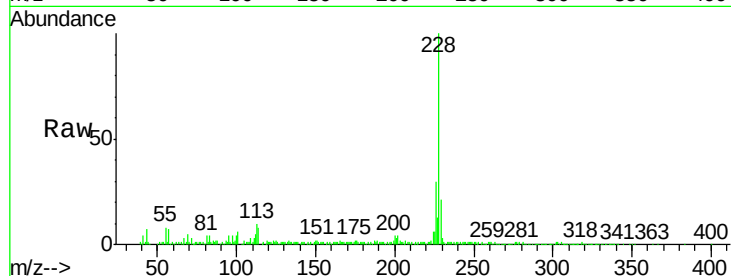
Tgt Ion:228 Resp: 150022

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.0

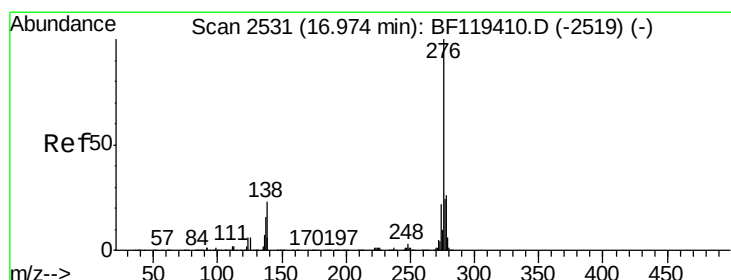
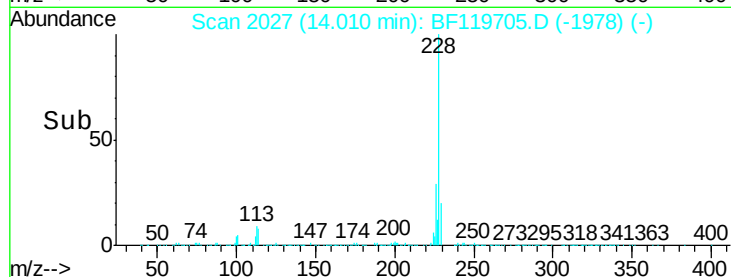
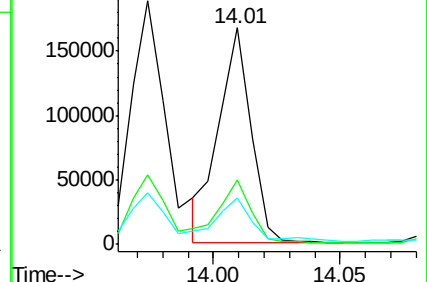
229 21.2 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.65 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.03 min

Lab File: BF119705.D

Acq: 2 Apr 2020 8:55

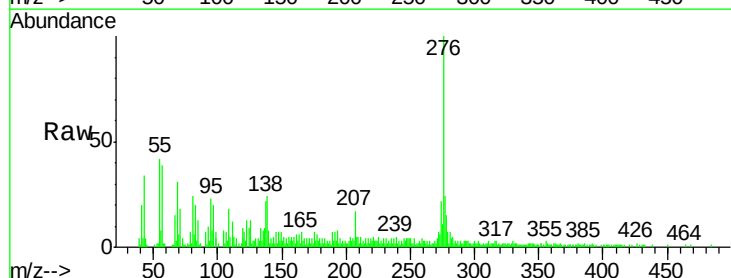
Tgt Ion:276 Resp: 70980

Ion Ratio Lower Upper

276 100

138 20.3 19.6 29.4

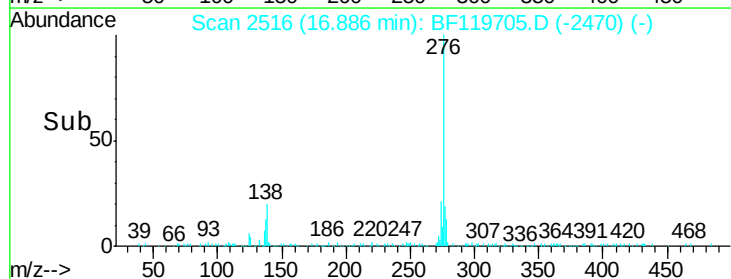
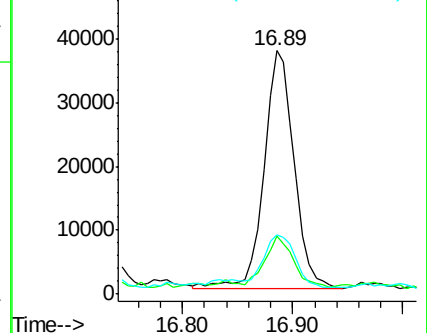
277 24.1 20.0 30.0

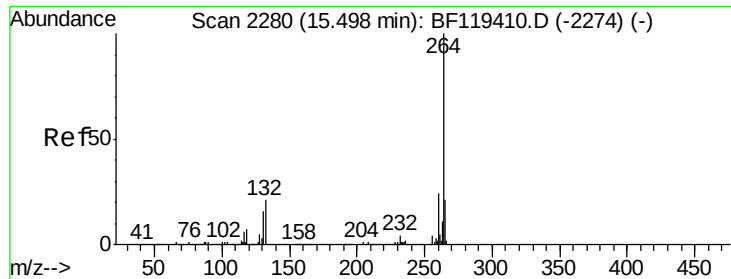


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



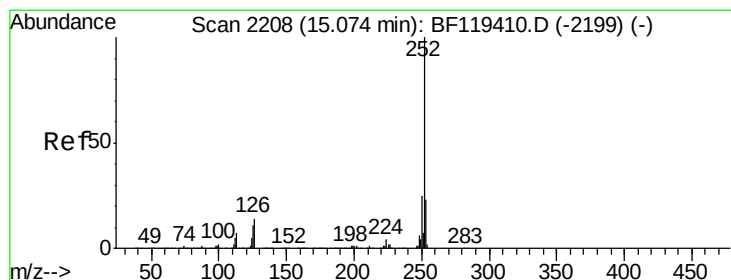
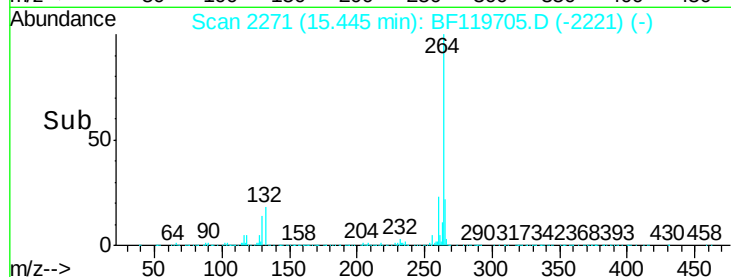
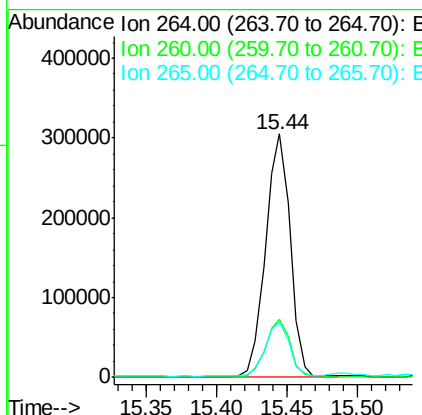
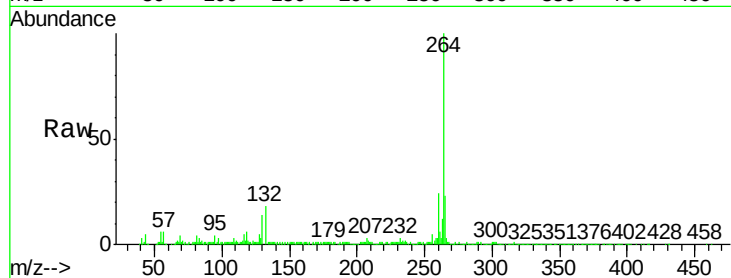


#87
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Instrument :
BNA_F
ClientSampleId :
PL-03-033020

Tgt Ion: 264 Resp: 372813

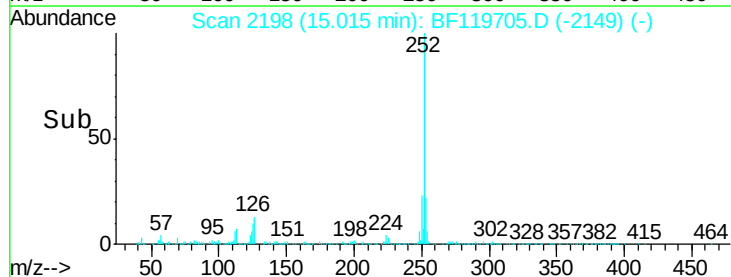
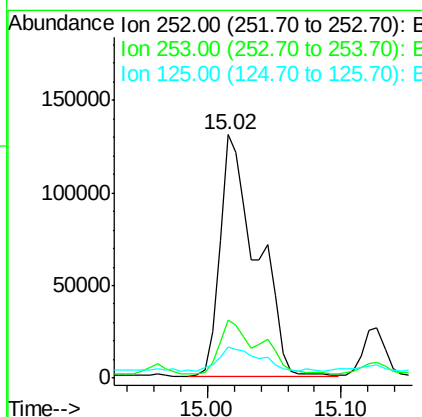
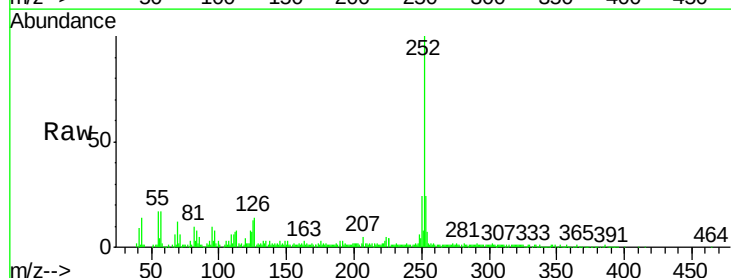
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.6	17.7	26.5

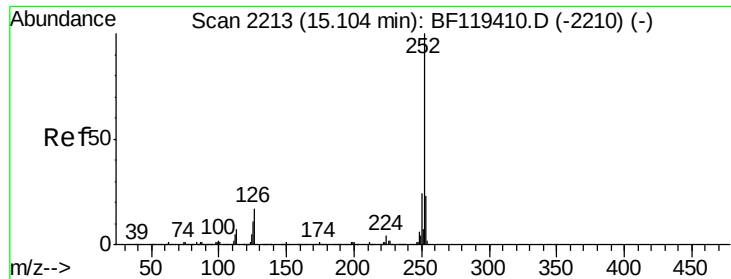


#88
Benzo(b)fluoranthene
Concen: 9.96 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion: 252 Resp: 247931

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	12.7	7.9	11.9

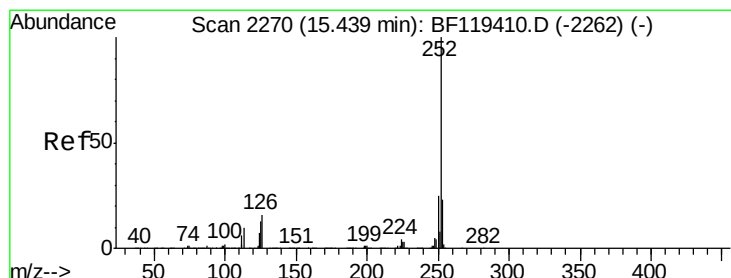
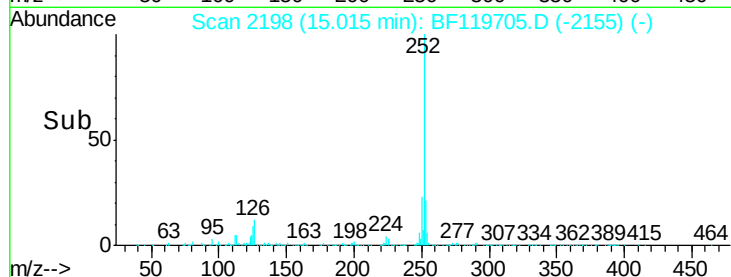
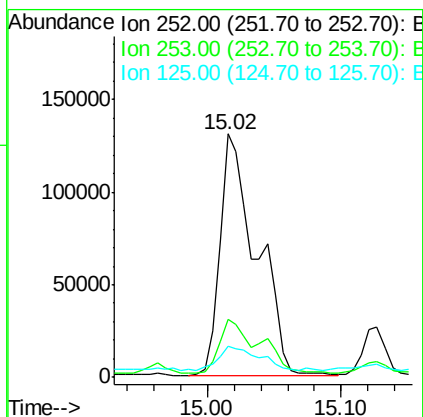
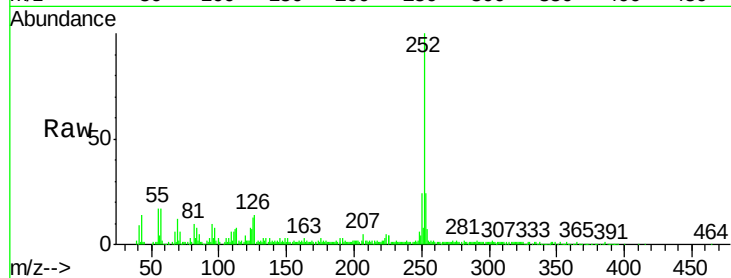




#89
Benzo(k)fluoranthene
Concen: 10.46 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

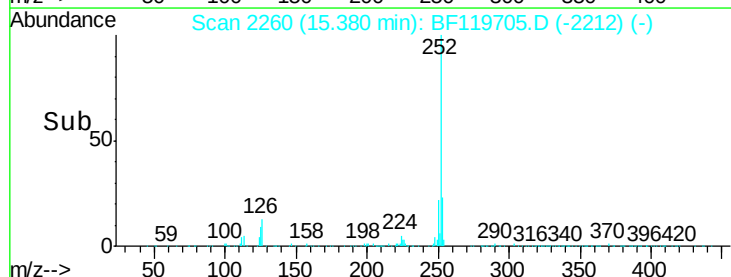
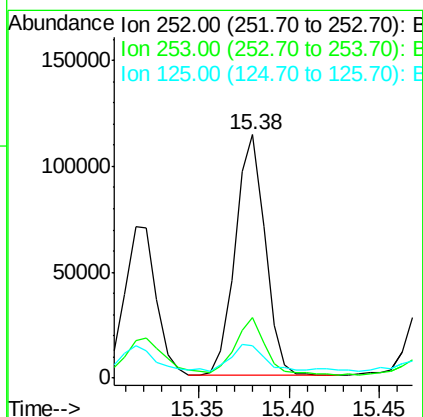
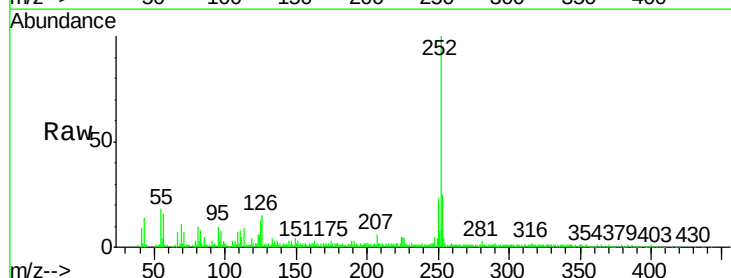
Instrument :
BNA_F
ClientSampleId :
PL-03-033020

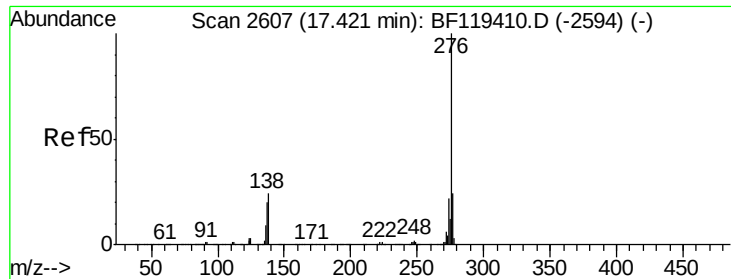
Tgt Ion: 252 Resp: 247931
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 12.7 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 5.79 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF119705.D
Acq: 2 Apr 2020 8:55

Tgt Ion: 252 Resp: 130948
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 13.2 9.4 14.2

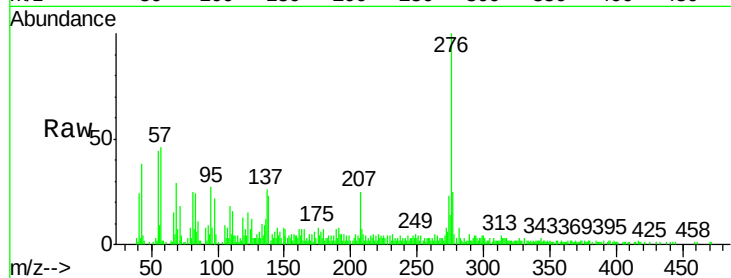




#92
 Benzo(g,h,i)perylene
 Concen: 3.29 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.03 min
 Lab File: BF119705.D
 Acq: 2 Apr 2020 8:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-033020

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	22.9	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

