

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
 Data File : BF119458.D
 Acq On : 20 Mar 2020 00:48
 Operator : CG/JU
 Sample : L1978-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5A

Quant Time: Mar 20 03:52:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	361157	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1372051	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	706289	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	1166574	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	621148	20.00	ng	0.00
87) Perylene-d12	15.50	264	746809	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1972106	86.93	ng	0.00
7) Phenol-d6	6.47	99	2489550	85.90	ng	0.00
23) Nitrobenzene-d5	7.41	82	1530213	60.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	491433	67.44	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	2682024	56.26	ng	0.00
79) Terphenyl-d14	12.97	244	2217598	69.95	ng	0.00

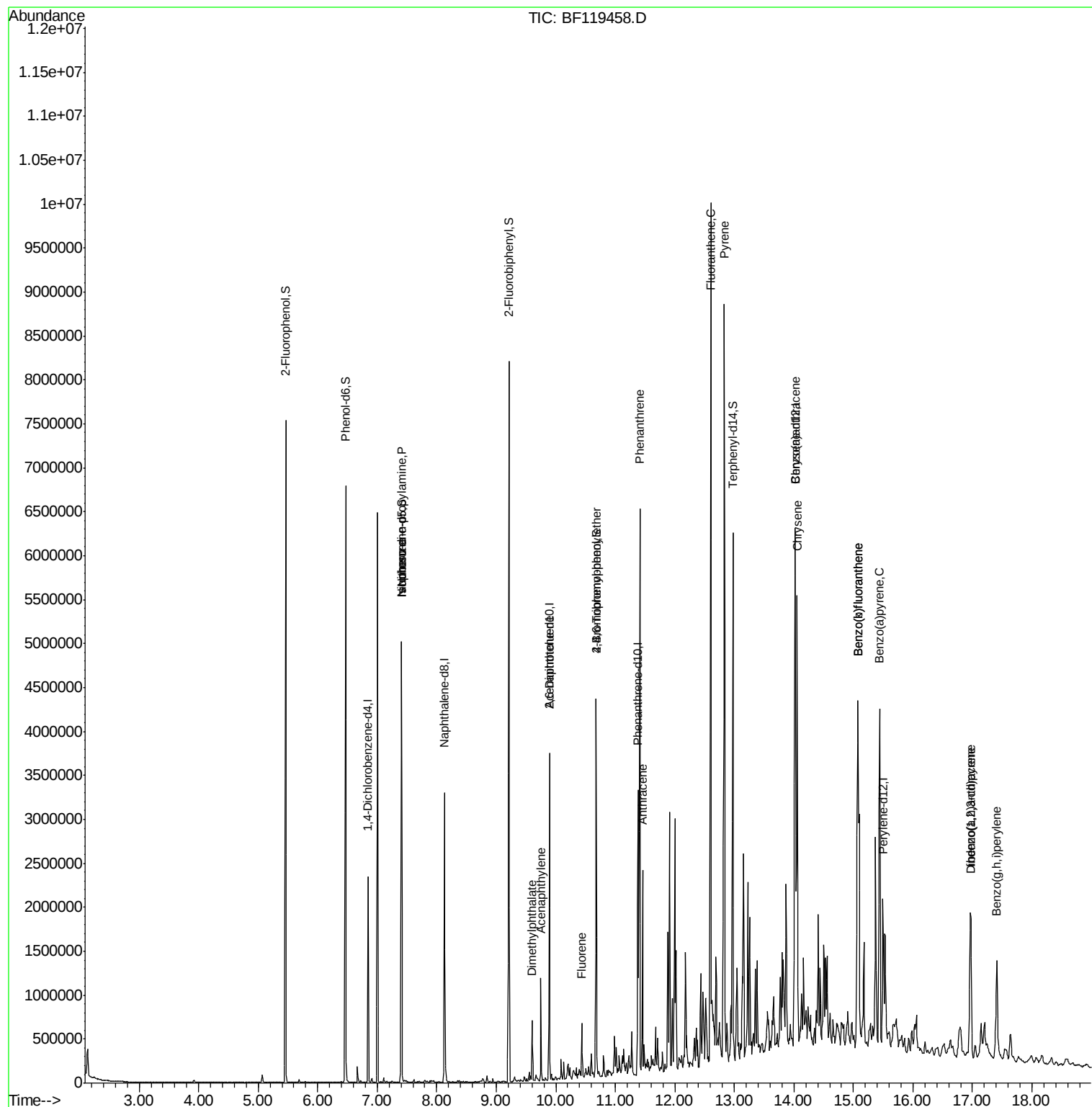
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	203629	11.66	ng	# 74
25) Isophorone	7.41	82	1527405	29.83	ng	# 66
49) Acenaphthylene	9.75	152	430669	6.09	ng	98
50) Dimethylphthalate	9.60	163	227863	4.54	ng	100
51) 2,6-Dinitrotoluene	9.89	165	93696	8.71	ng	# 19
58) Fluorene	10.44	166	161744	3.46	ng	98
67) 4-Bromophenyl-phenylether	10.68	248	29848	2.25	ng	# 1
71) Phenanthrene	11.41	178	2549320	42.14	ng	99
72) Anthracene	11.46	178	804767	13.09	ng	97
75) Fluoranthene	12.60	202	4167627	63.66	ng	96
78) Pyrene	12.83	202	3910614	76.71	ng	98
81) Benzo(a)anthracene	14.02	228	2218300	54.92	ng	94
83) Chrysene	14.06	228	1947047	46.71	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	1145846	29.19	ng	95
88) Benzo(b)fluoranthene	15.07	252	3467160	69.50	ng	99
89) Benzo(k)fluoranthene	15.07	252	3467160	72.99	ng	99
90) Benzo(a)pyrene	15.44	252	1899033	41.89	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	318980	8.04	ng	98
92) Benzo(g,h,i)perylene	17.41	276	941109	23.62	ng	98

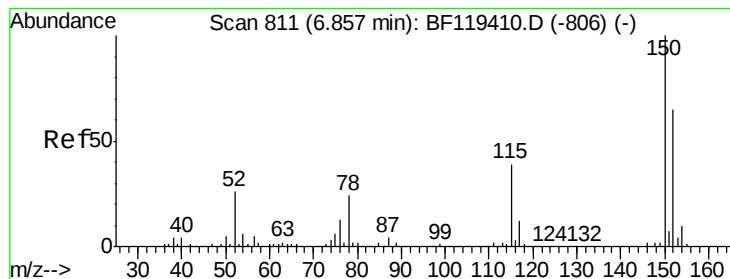
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

Instrument :

BNA_F

ClientSampleId :

TP-5A

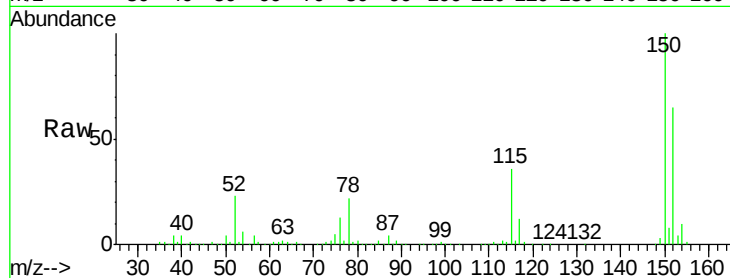
Tgt Ion:152 Resp: 361157

Ion Ratio Lower Upper

152 100

150 154.7 123.9 185.9

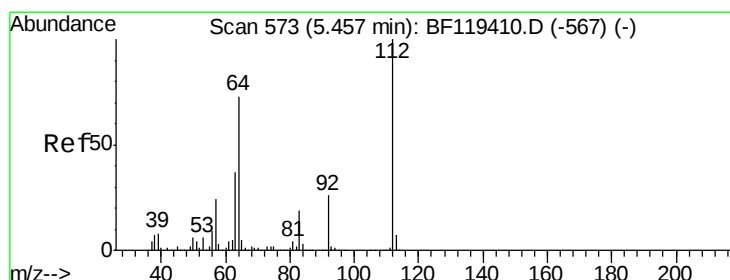
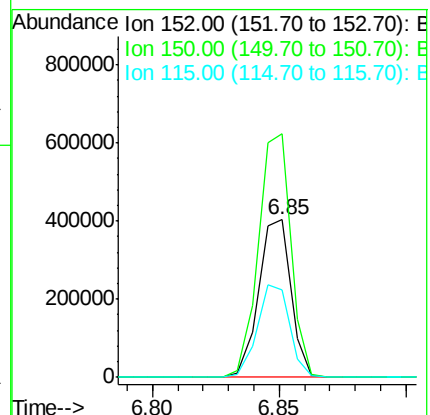
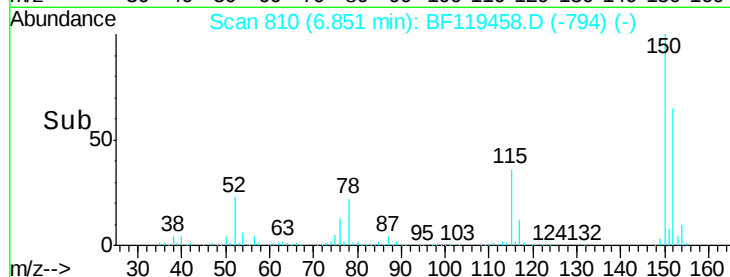
115 55.8 47.8 71.6



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: 86.93 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

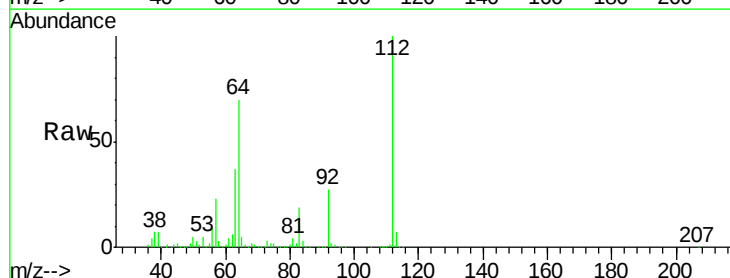
Tgt Ion:112 Resp: 1972106

Ion Ratio Lower Upper

112 100

64 70.2 58.1 87.1

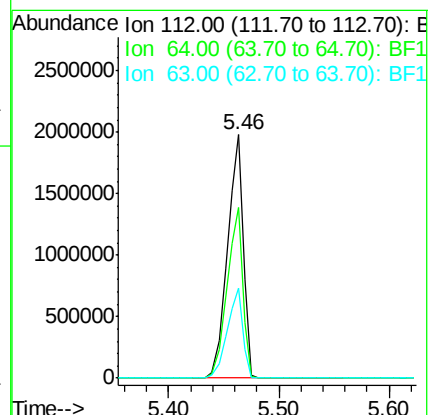
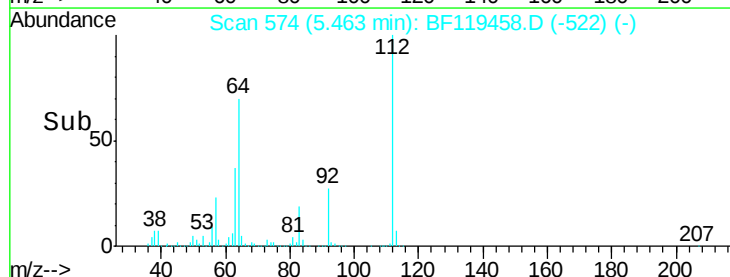
63 36.7 29.7 44.5

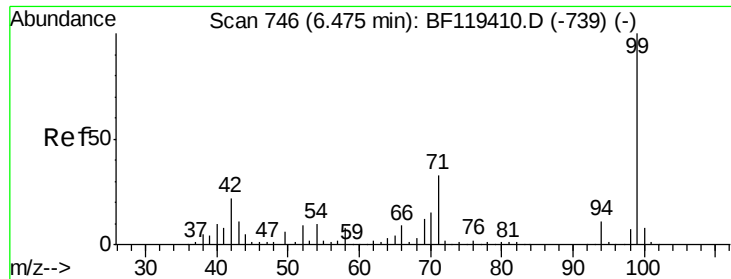


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.90 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

Instrument :

BNA_F

ClientSampled :

TP-5A

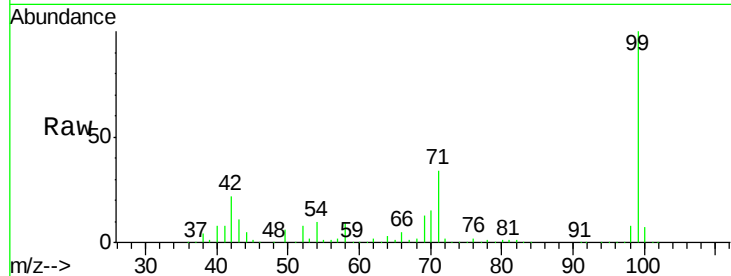
Tgt Ion: 99 Resp: 2489550

Ion Ratio Lower Upper

99 100

42 21.6 17.8 26.6

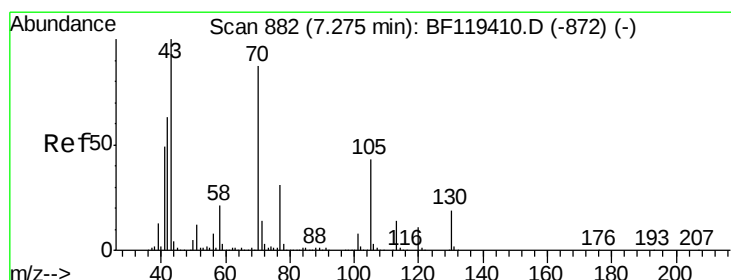
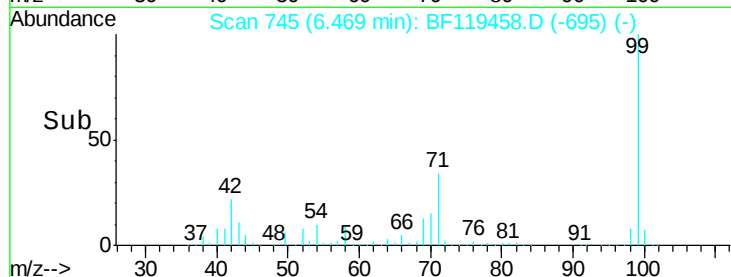
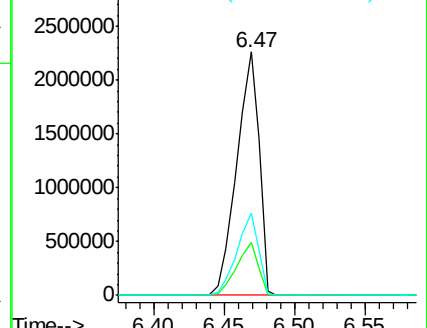
71 34.0 26.0 39.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.66 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

Tgt Ion: 70 Resp: 203629

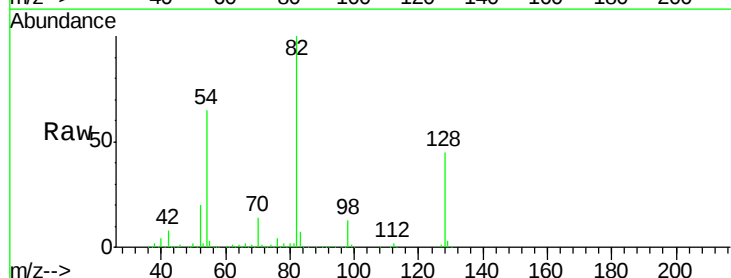
Ion Ratio Lower Upper

70 100

42 55.3 58.2 87.4#

101 0.0 7.4 11.2#

130 2.1 17.8 26.8#

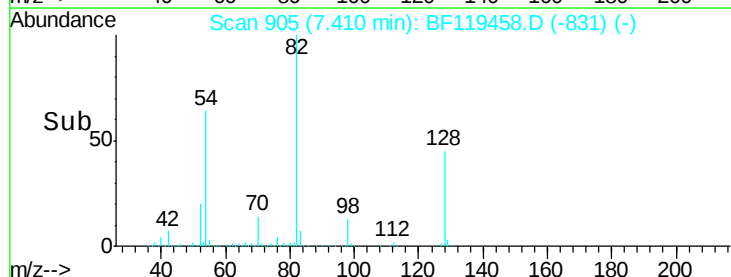
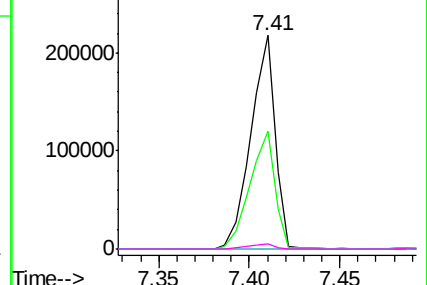


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

Instrument :

BNA_F

ClientSampleId :

TP-5A

Tgt Ion:136 Resp: 1372051

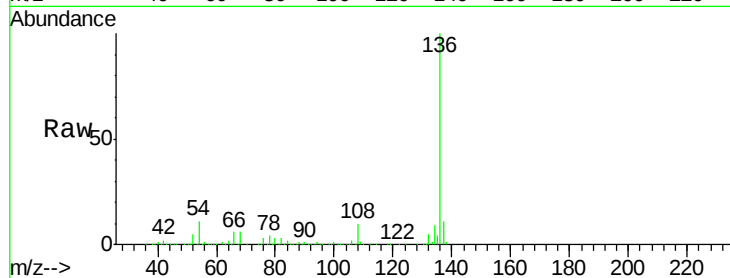
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 10.9 8.3 12.5

68 6.1 4.9 7.3

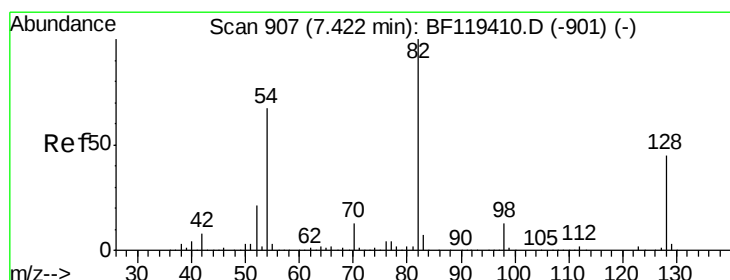
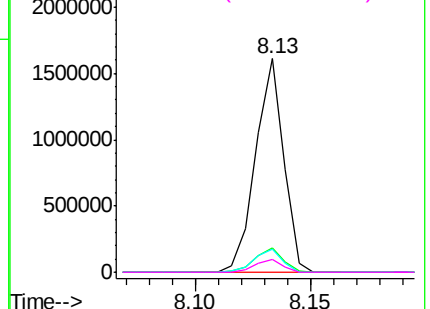
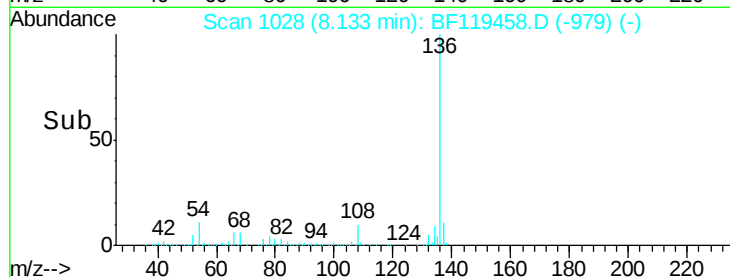


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 60.61 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

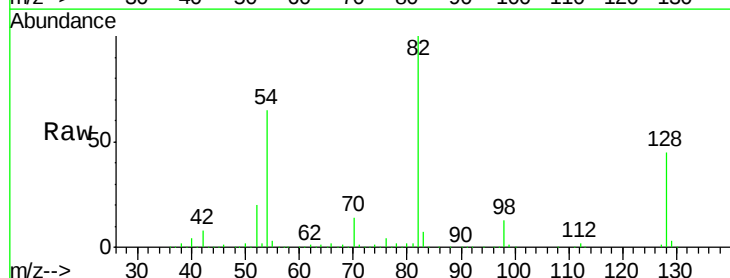
Tgt Ion: 82 Resp: 1530213

Ion Ratio Lower Upper

82 100

128 45.3 35.8 53.8

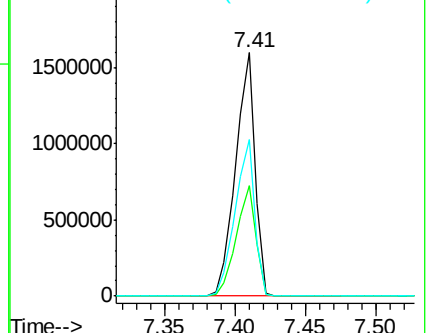
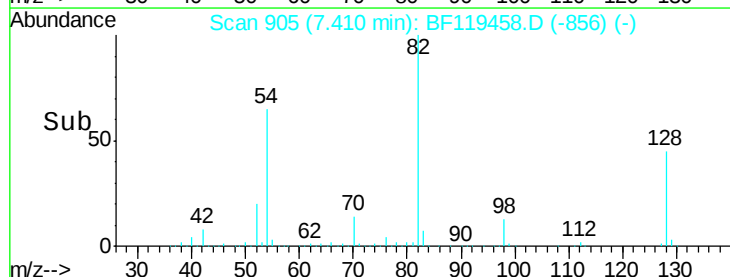
54 64.5 53.4 80.0

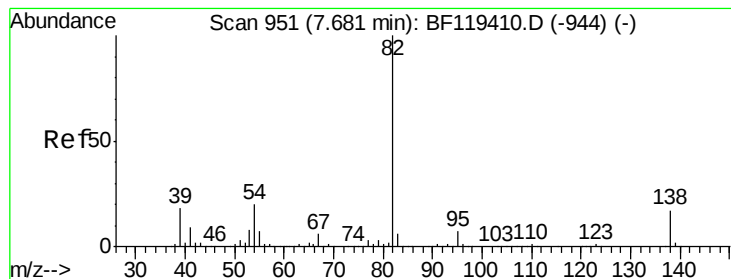


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.83 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

Instrument :

BNA_F

ClientSampleId :

TP-5A

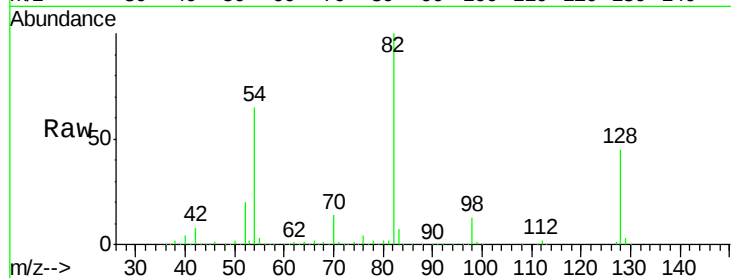
Tgt Ion: 82 Resp: 1527405

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

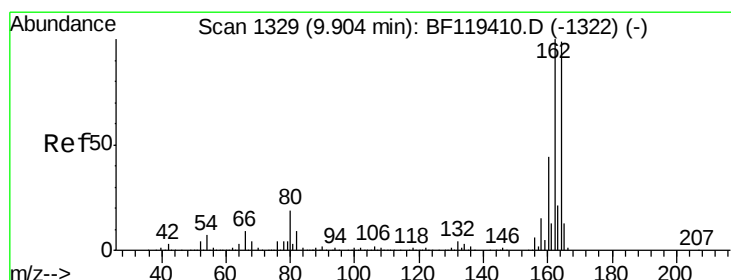
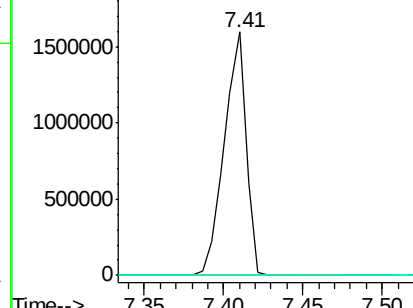
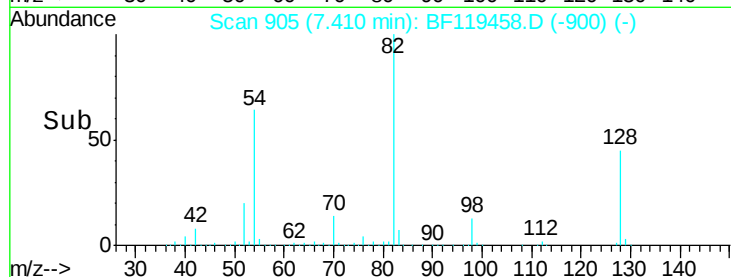
138 0.0 13.8 20.8#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

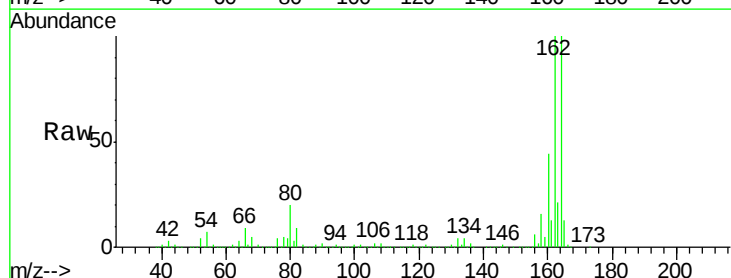
Tgt Ion: 164 Resp: 706289

Ion Ratio Lower Upper

164 100

162 99.8 80.7 121.1

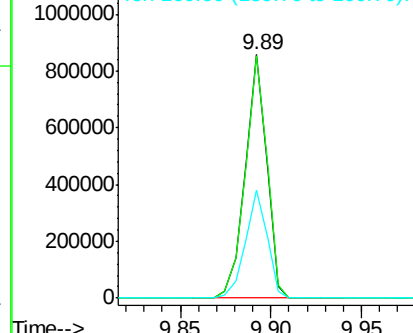
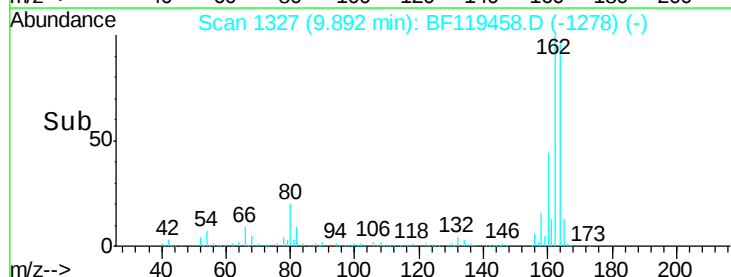
160 44.3 35.5 53.3



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

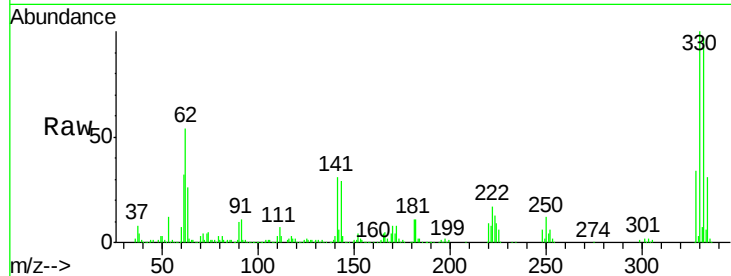




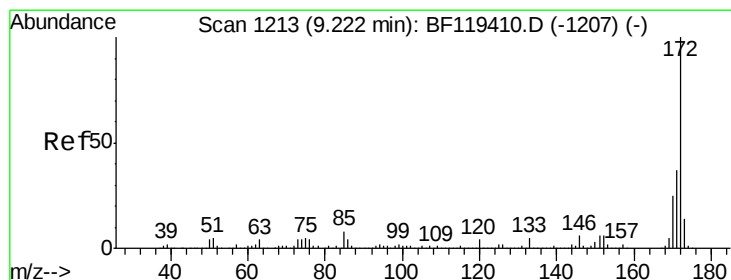
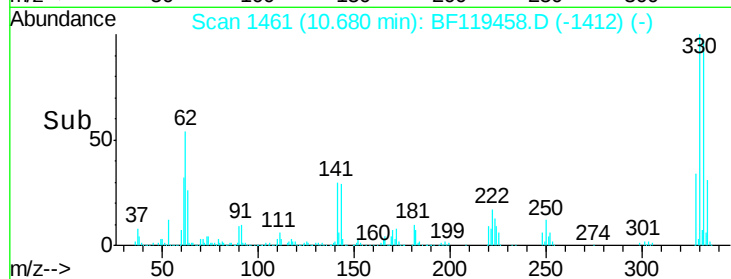
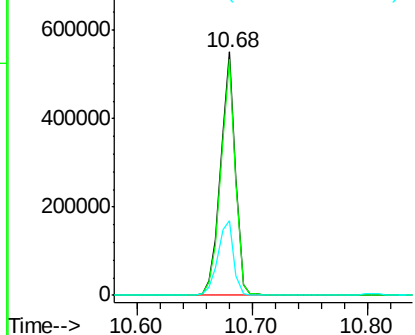
#42
 2,4,6-Tribromophenol
 Concen: 67.44 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-5A

Tgt Ion:330 Resp: 491433
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.6 116.4
 141 32.4 26.6 40.0

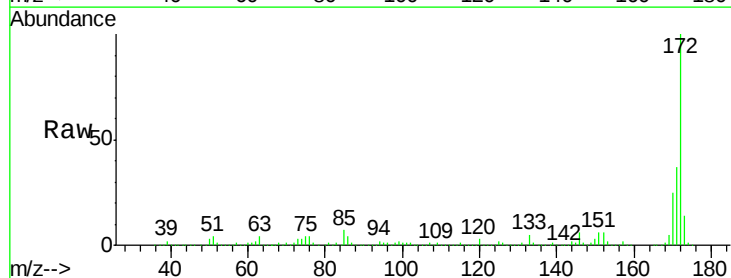


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

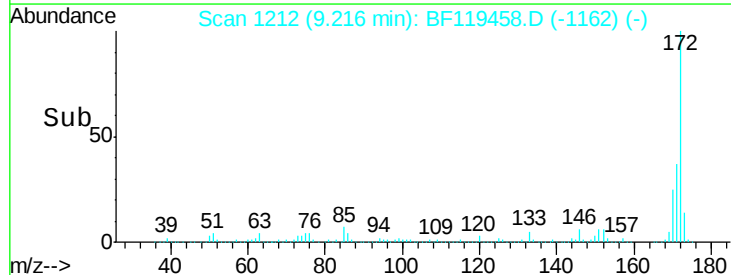
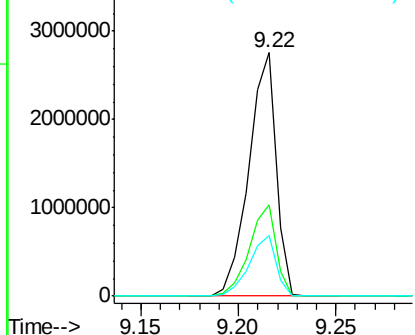


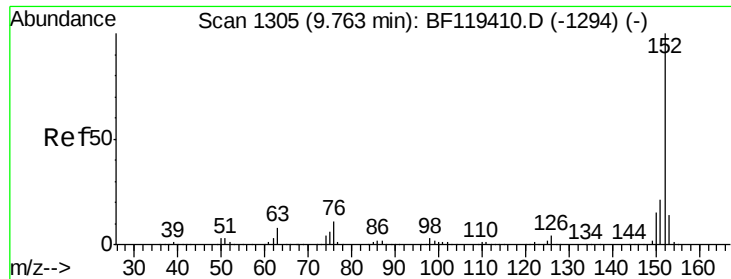
#45
 2-Fluorobiphenyl
 Concen: 56.26 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Tgt Ion:172 Resp: 2682024
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.9 44.9
 170 24.9 20.1 30.1



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





#49

Acenaphthylene

Concen: 6.09 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

Instrument :

BNA_F

ClientSampleId :

TP-5A

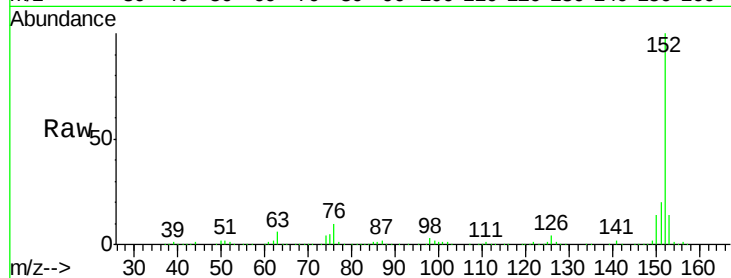
Tgt Ion:152 Resp: 430669

Ion Ratio Lower Upper

152 100

151 19.8 16.8 25.2

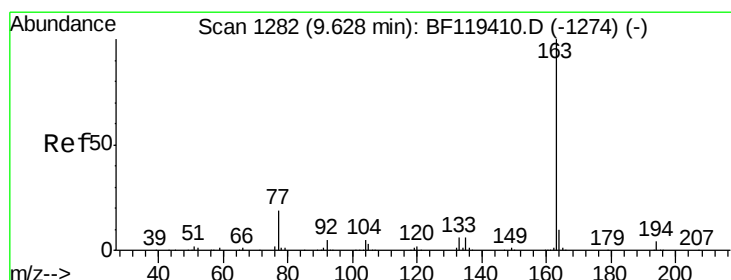
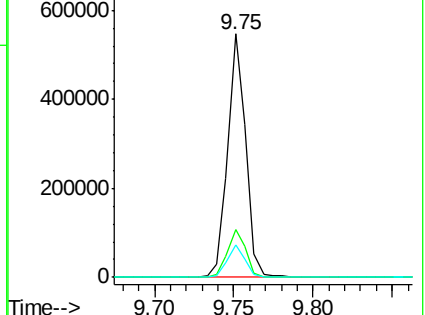
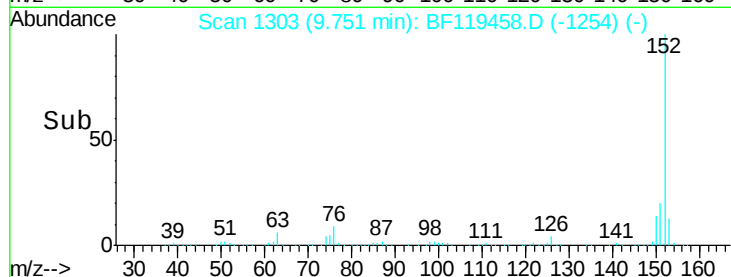
153 13.5 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.54 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

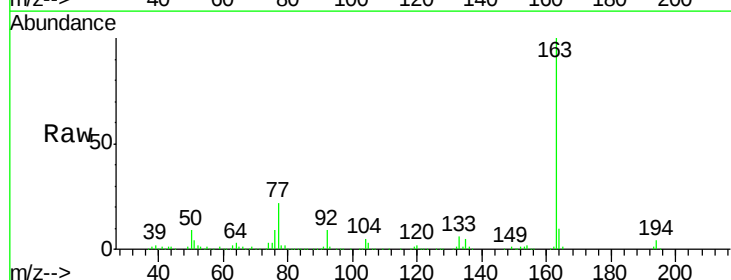
Tgt Ion:163 Resp: 227863

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

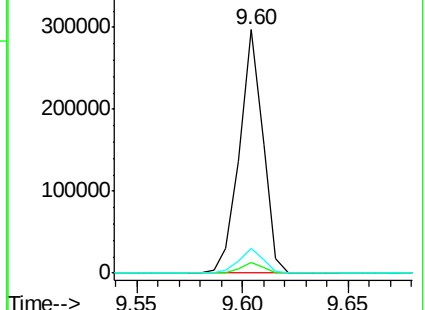
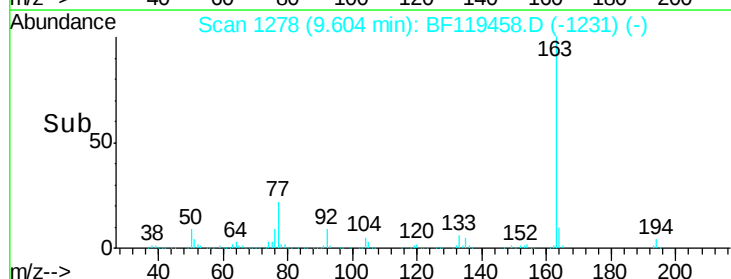
164 10.1 8.1 12.1

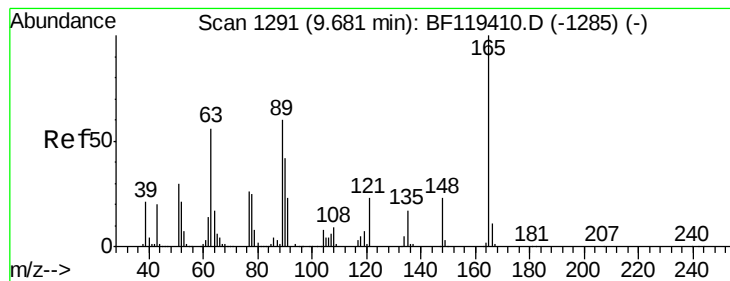


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.71 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

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ClientSampled :

TP-5A

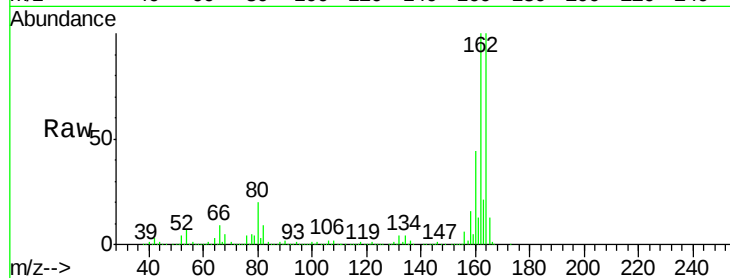
Tgt Ion:165 Resp: 93696

Ion Ratio Lower Upper

165 100

63 1.5 57.3 85.9#

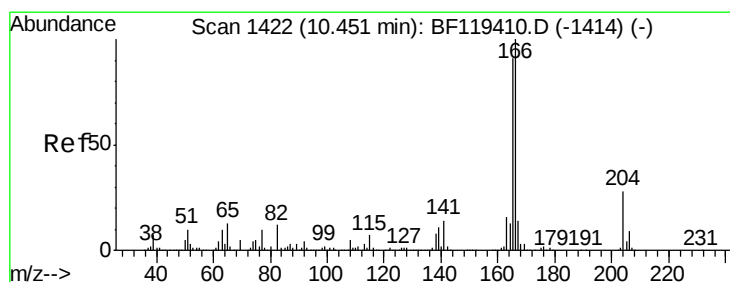
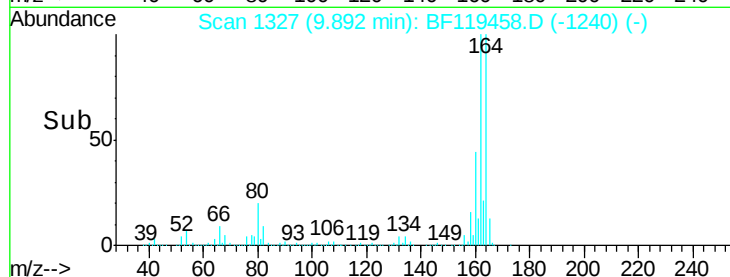
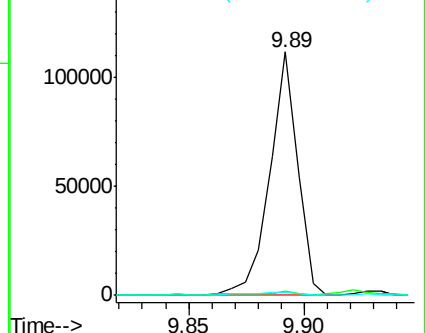
89 1.2 47.8 71.8#



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



#58

Fluorene

Concen: 3.46 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

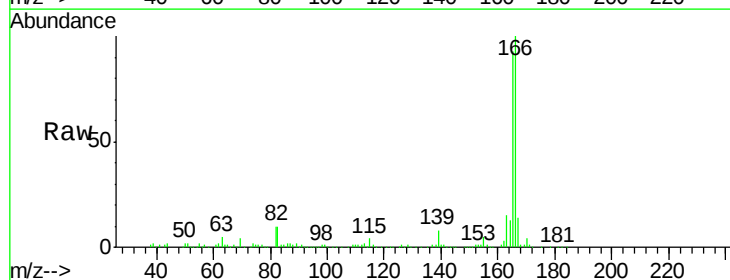
Tgt Ion:166 Resp: 161744

Ion Ratio Lower Upper

166 100

165 93.1 73.1 109.7

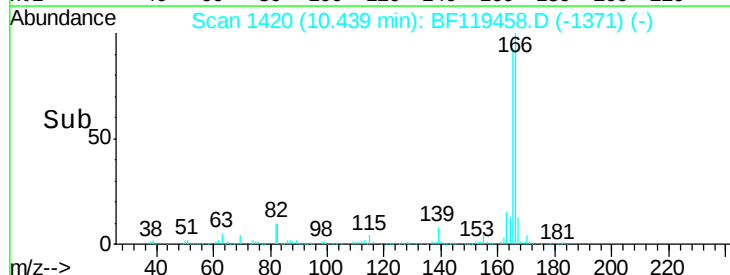
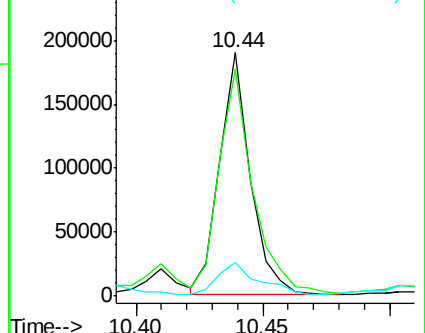
167 13.9 11.0 16.6

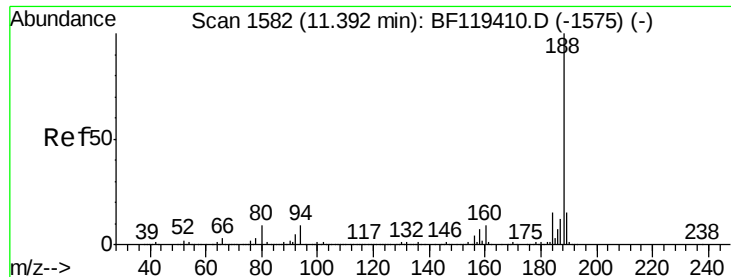


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

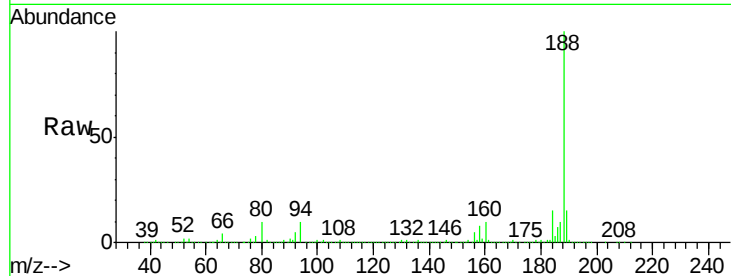




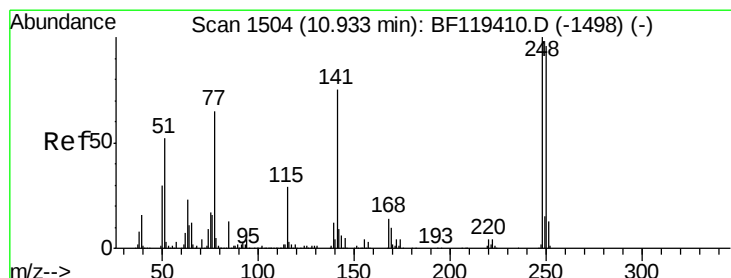
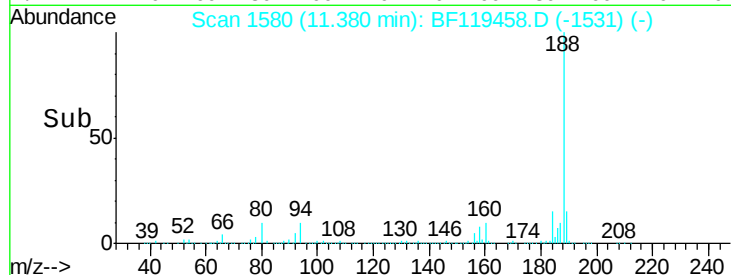
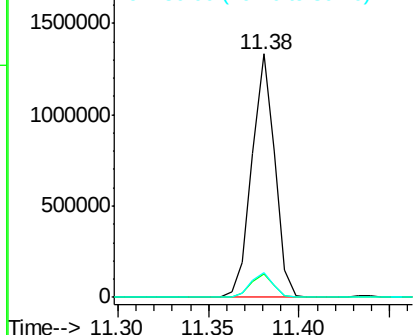
#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-5A

Tgt Ion:188 Resp: 1166574
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.1 10.7
 80 10.2 7.5 11.3

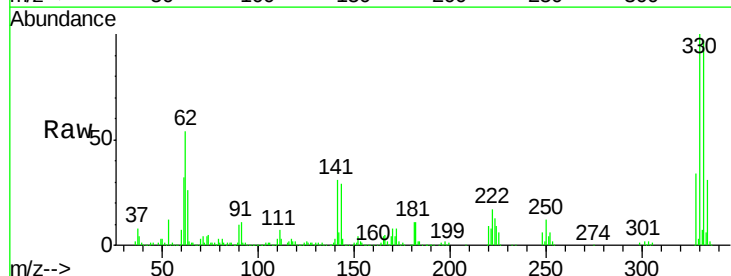


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

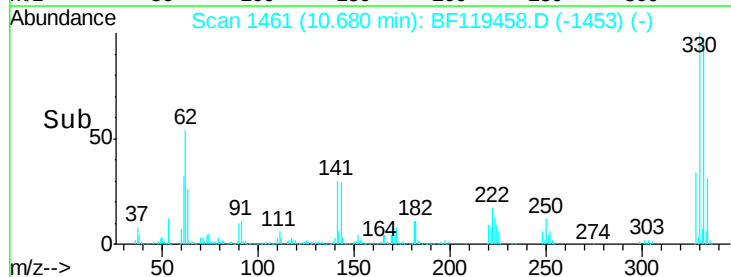
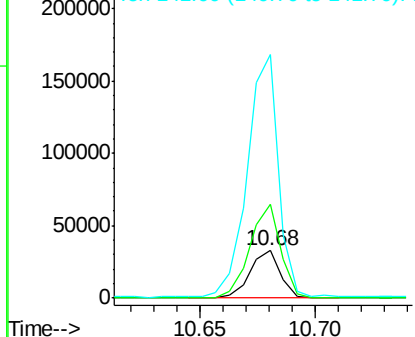


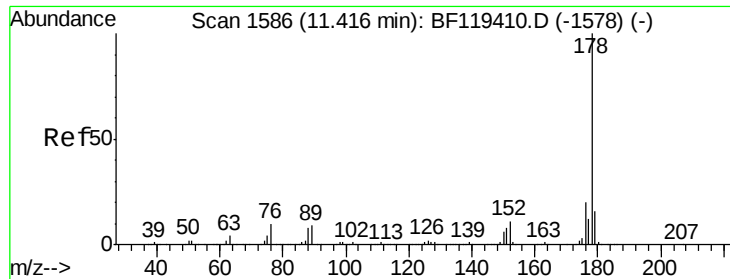
#67
 4-Bromophenyl-phenylether
 Concen: 2.25 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Tgt Ion:248 Resp: 29848
 Ion Ratio Lower Upper
 248 100
 250 199.0 77.0 115.6#
 141 513.5 59.7 89.5#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

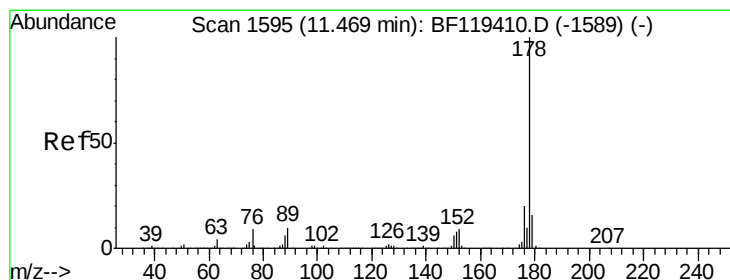
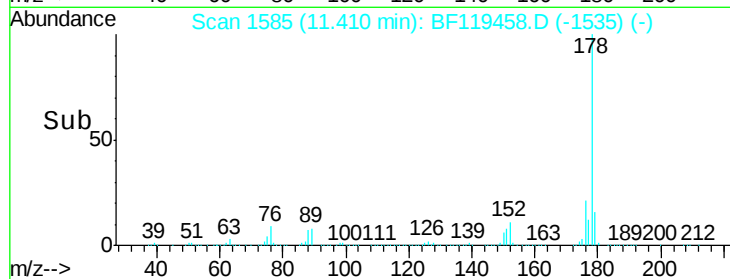
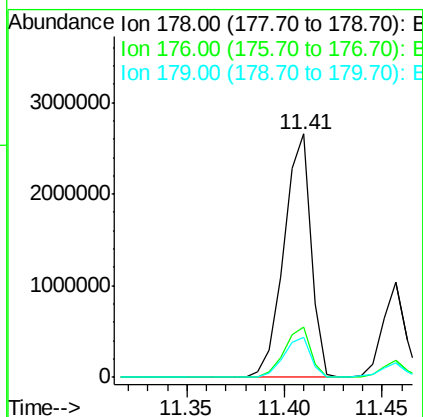
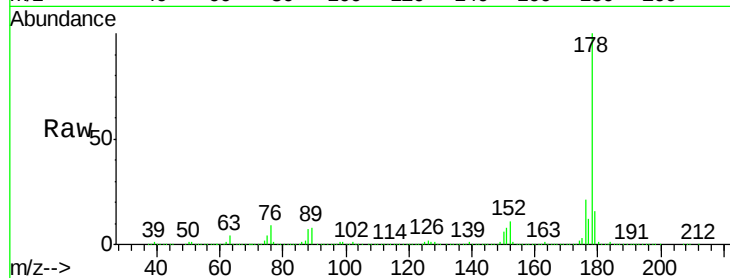




#71
Phenanthrene
Concen: 42.14 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF119458.D
Acq: 20 Mar 2020 00:48

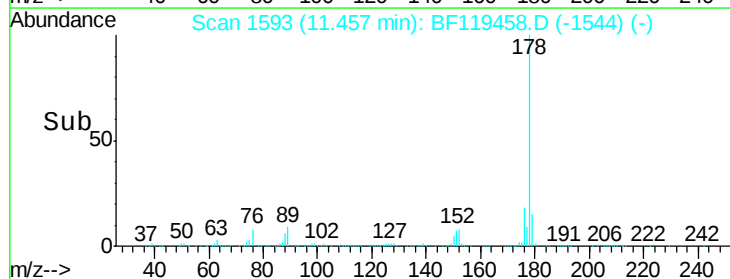
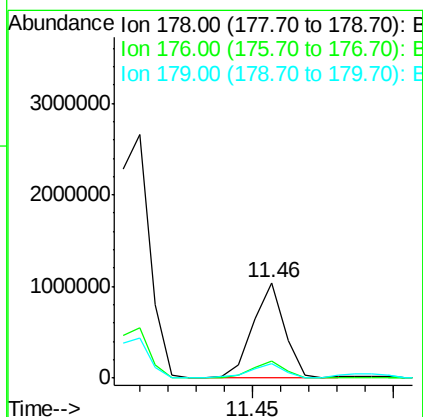
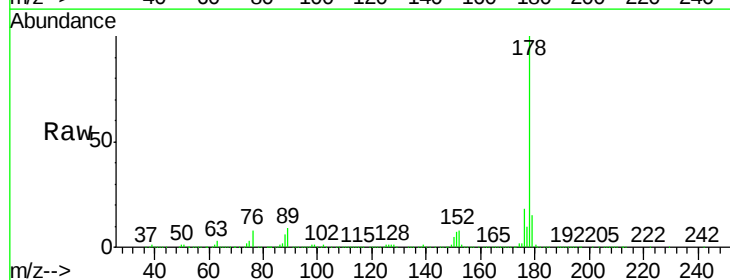
Instrument :
BNA_F
ClientSampleId :
TP-5A

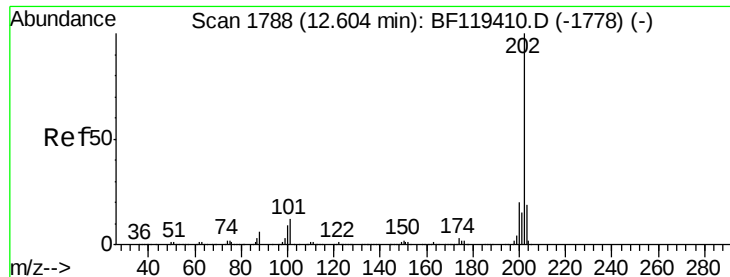
Tgt Ion:178 Resp: 2549320
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.4
179 16.4 12.9 19.3



#72
Anthracene
Concen: 13.09 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF119458.D
Acq: 20 Mar 2020 00:48

Tgt Ion:178 Resp: 804767
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.4 13.1 19.7





#75

Fluoranthene

Concen: 63.66 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

Instrument :

BNA_F

ClientSampled :

TP-5A

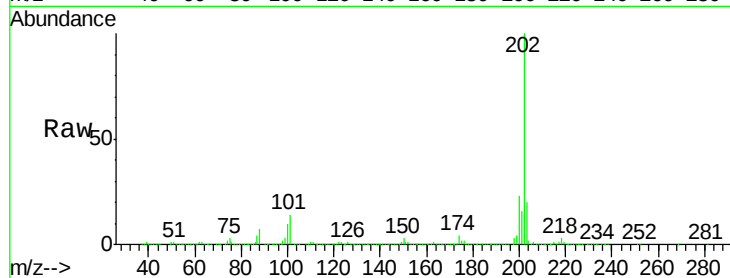
Tgt Ion:202 Resp: 4167627

Ion Ratio Lower Upper

202 100

101 14.1 0.0 32.4

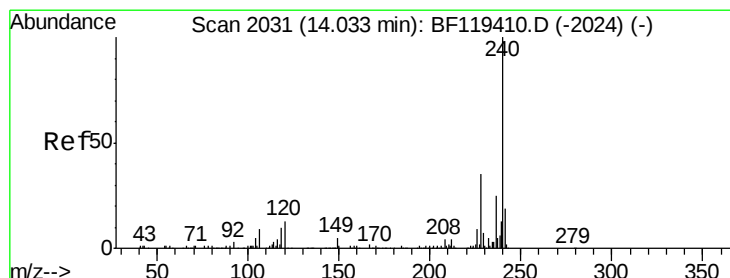
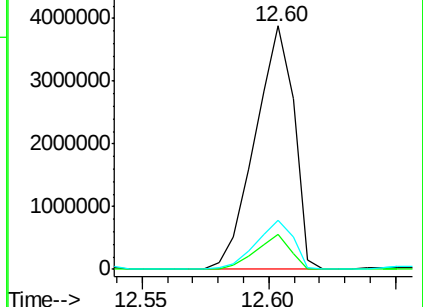
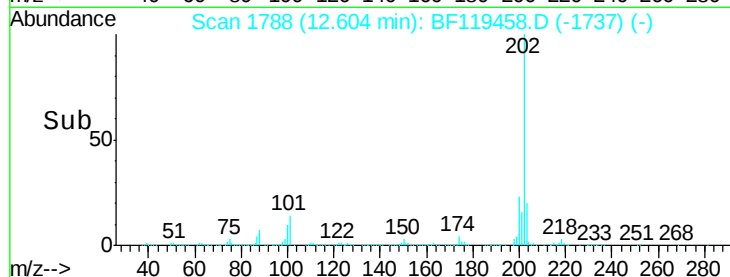
203 19.9 0.0 38.5



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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF119458.D

Acq: 20 Mar 2020 00:48

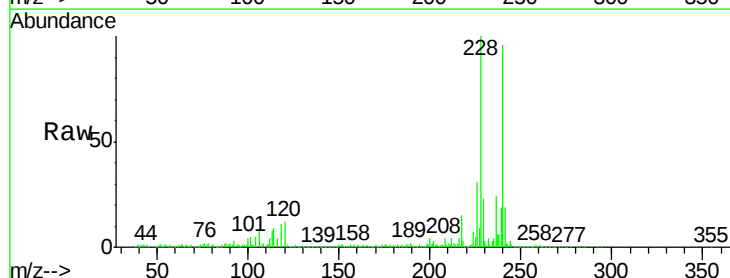
Tgt Ion:240 Resp: 621148

Ion Ratio Lower Upper

240 100

120 12.6 10.2 15.4

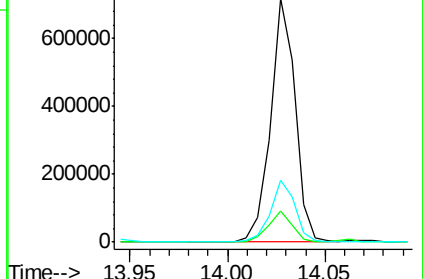
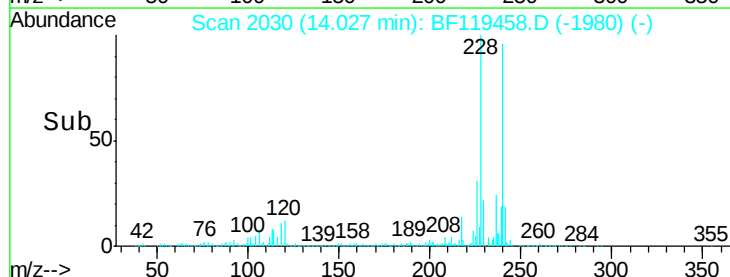
236 25.5 20.4 30.6

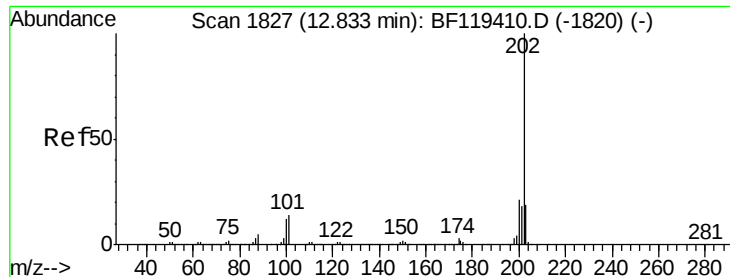


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



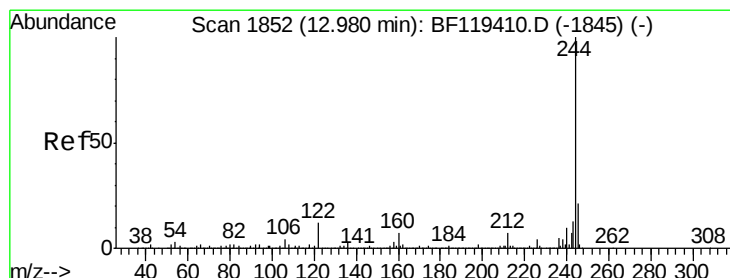
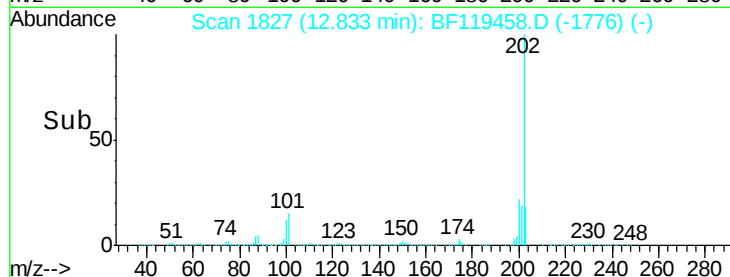
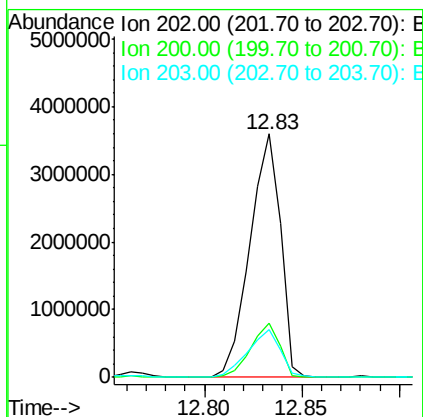
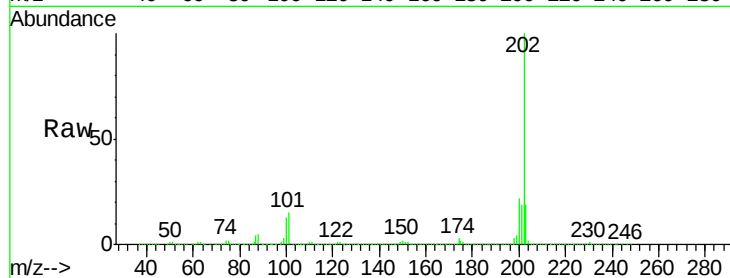


#78
 Pyrene
 Concen: 76.71 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-5A

Tgt Ion:202 Resp: 3910614

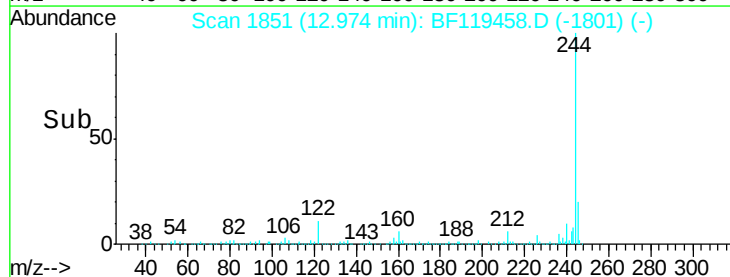
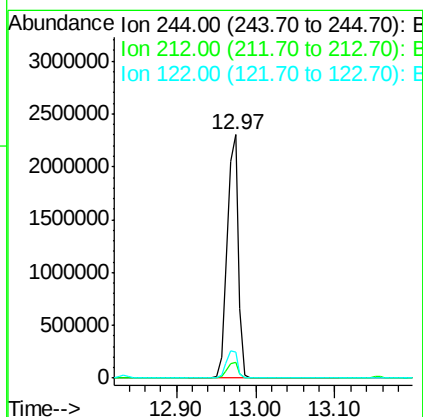
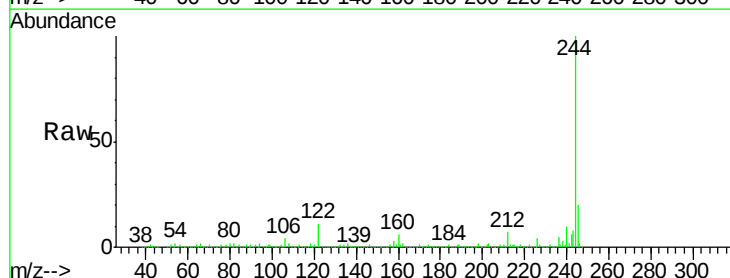
Ion	Ratio	Lower	Upper
202	100		
200	22.2	16.8	25.2
203	19.4	14.8	22.2

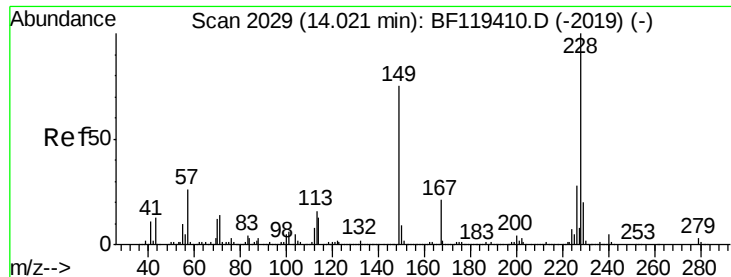


#79
 Terphenyl-d14
 Concen: 69.95 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Tgt Ion:244 Resp: 2217598

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.7	9.8	14.8

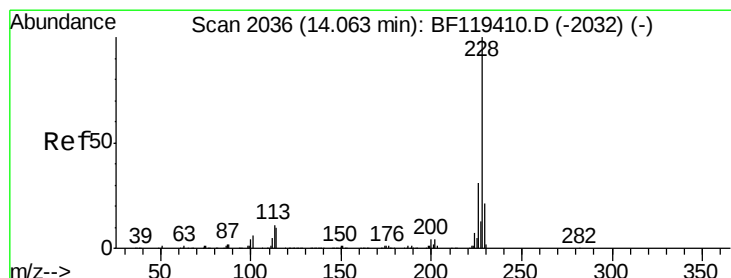
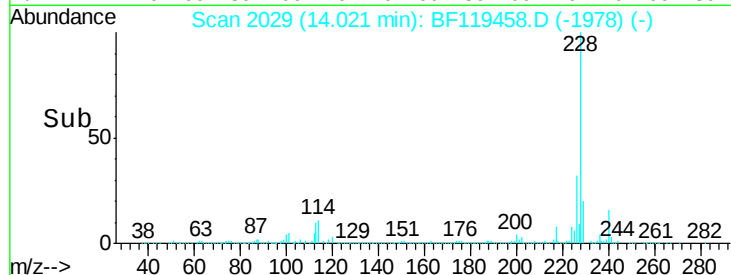
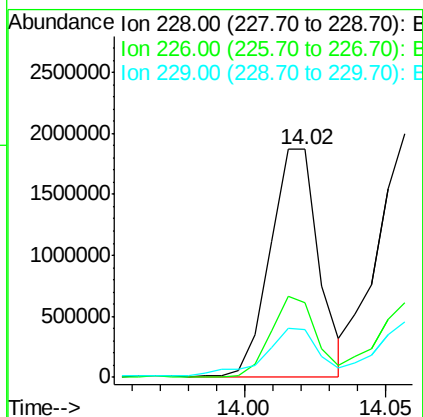
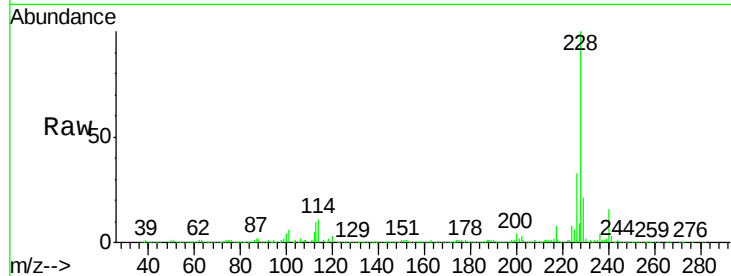




#81
Benzo(a)anthracene
Concen: 54.92 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF119458.D
Acq: 20 Mar 2020 00:48

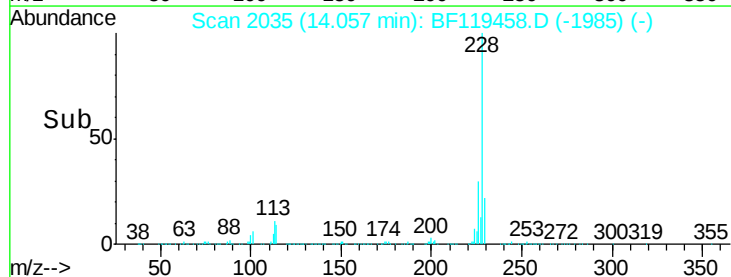
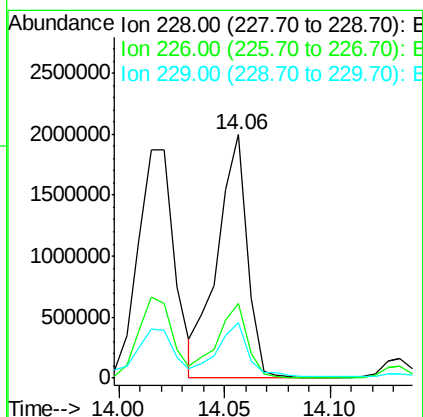
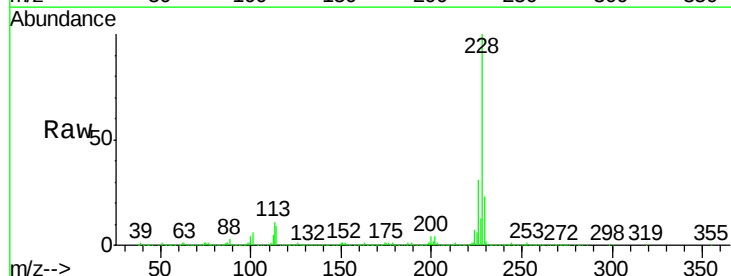
Instrument :
BNA_F
ClientSampled :
TP-5A

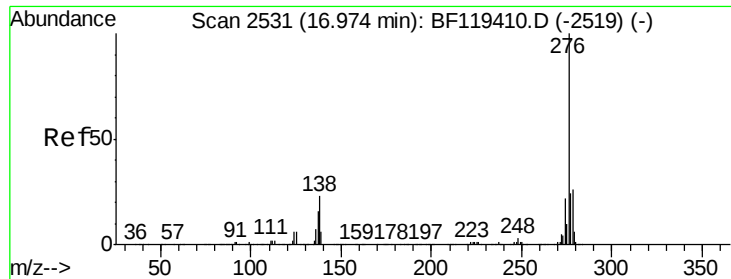
Tgt Ion:228 Resp: 2218300
Ion Ratio Lower Upper
228 100
226 32.7 22.3 33.5
229 20.9 16.3 24.5



#83
Chrysene
Concen: 46.71 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF119458.D
Acq: 20 Mar 2020 00:48

Tgt Ion:228 Resp: 1947047
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 22.6 16.6 25.0

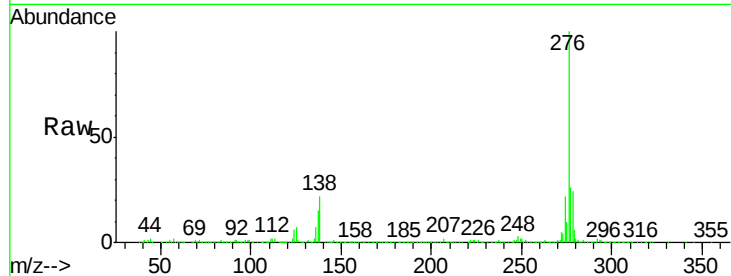




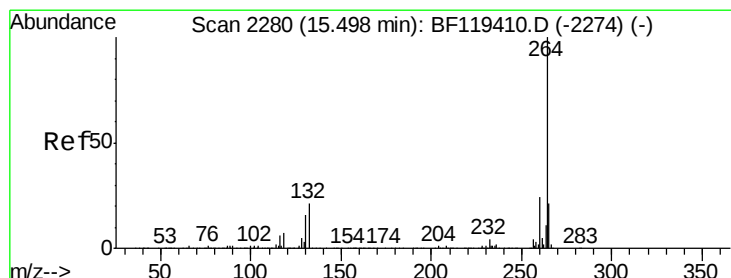
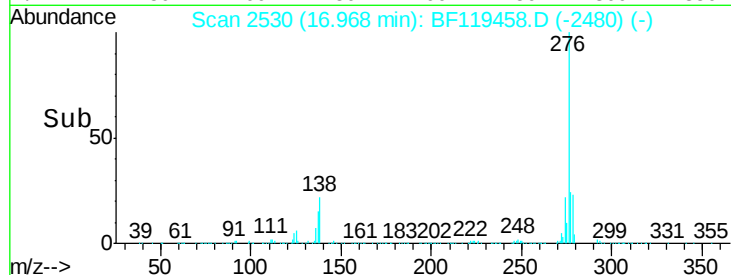
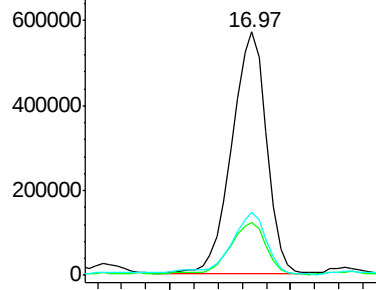
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 29.19 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.01 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-5A

Tgt Ion:276 Resp: 1145846
 Ion Ratio Lower Upper
 276 100
 138 22.4 21.3 31.9
 277 26.1 20.2 30.2

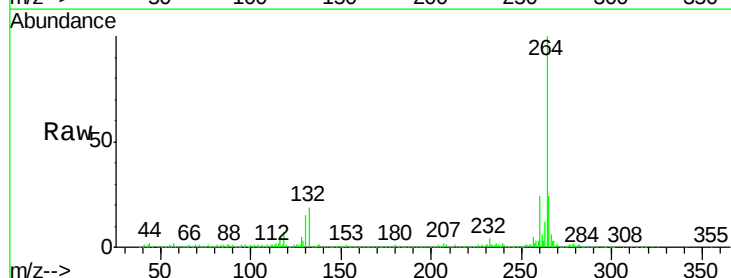


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

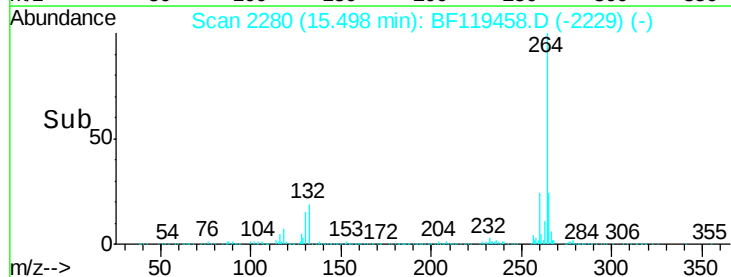
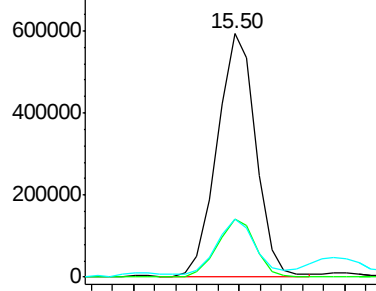


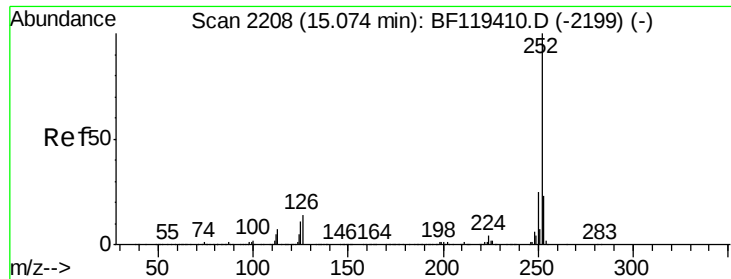
#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BF119458.D
 Acq: 20 Mar 2020 00:48

Tgt Ion:264 Resp: 746809
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 24.0 16.9 25.3



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

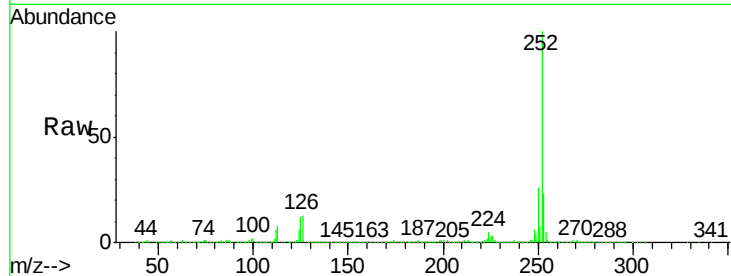




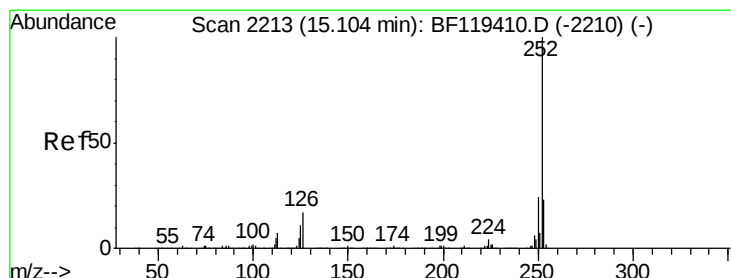
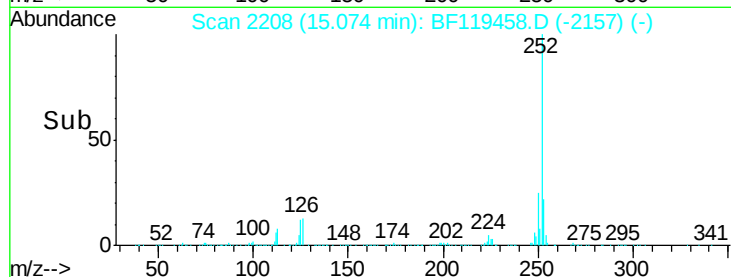
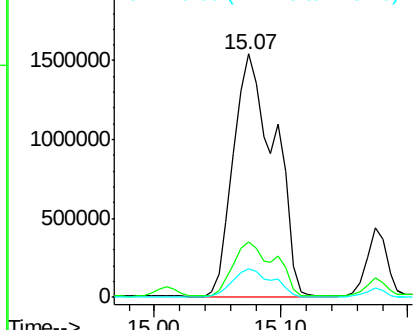
#88
Benzo(b)fluoranthene
Concen: 69.50 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF119458.D
Acq: 20 Mar 2020 00:48

Instrument :
BNA_F
ClientSampleId :
TP-5A

Tgt Ion:252 Resp: 3467160
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 11.7 8.8 13.2

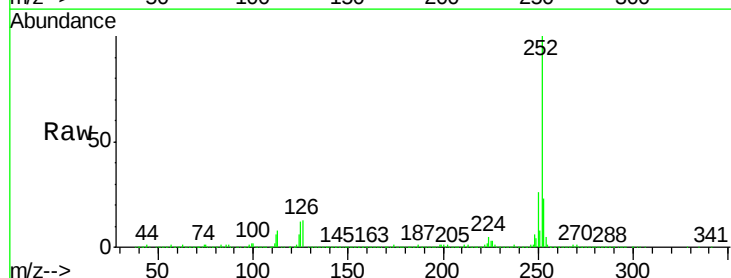


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 72.99 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.03 min
Lab File: BF119458.D
Acq: 20 Mar 2020 00:48

Tgt Ion:252 Resp: 3467160
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 11.7 9.0 13.4



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

