

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118612.D
 Acq On : 21 Jan 2020 1:03
 Operator : CG/JU
 Sample : L1164-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:44:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	454248	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1516494	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	717248	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1149680	20.00	ng	0.00
76) Chrysene-d12	14.04	240	936815	20.00	ng	0.00
87) Perylene-d12	15.53	264	817316	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	2340396	95.69	ng	0.00
7) Phenol-d6	6.50	99	3053564	96.06	ng	0.00
23) Nitrobenzene-d5	7.44	82	1836318	67.73	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	712651	85.90	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	3104535	71.14	ng	0.00
79) Terphenyl-d14	12.99	244	3254545	75.77	ng	0.00

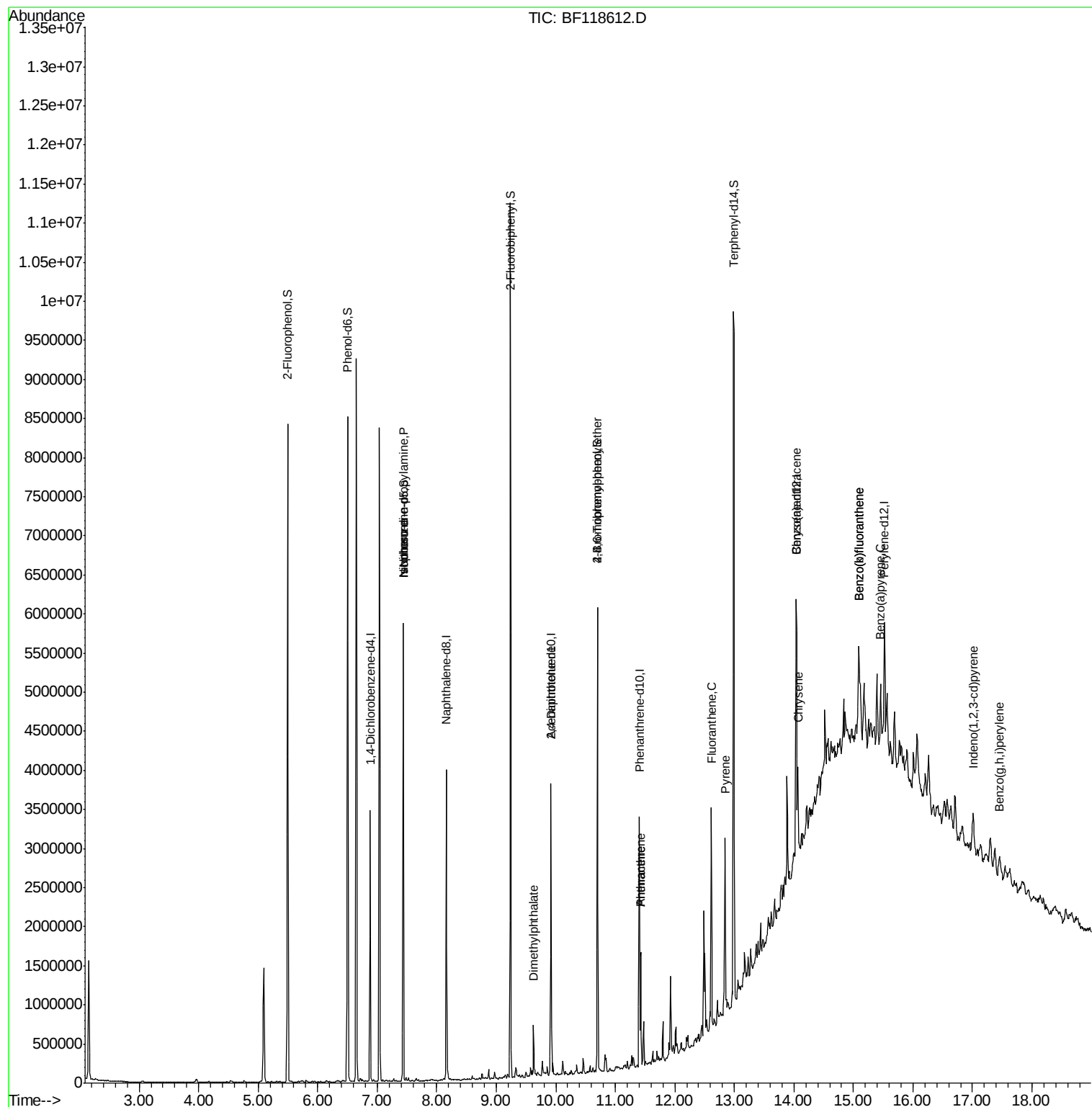
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	260087	12.117	ng	# 78
25) Isophorone	7.44	82	1831553	37.037	ng	# 64
50) Dimethylphthalate	9.63	163	206832	4.426	ng	96
57) 2,4-Dinitrotoluene	9.92	165	97747	7.410	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	45918	3.233	ng	# 1
71) Phenanthrene	11.43	178	559237	10.083	ng	92
72) Anthracene	11.43	178	559237	10.190	ng	93
75) Fluoranthene	12.62	202	1055137	18.036	ng	94
78) Pyrene	12.84	202	939485	14.771	ng	92
81) Benzo(a)anthracene	14.03	228	554990	9.848	ng	97
83) Chrysene	14.07	228	544977	10.090	ng	97
86) Indeno(1,2,3-cd)pyrene	17.01	276	265254	5.652	ng	97
88) Benzo(b)fluoranthene	15.09	252	892340	17.369	ng	# 87
89) Benzo(k)fluoranthene	15.09	252	892340	18.748	ng	# 88
90) Benzo(a)pyrene	15.46	252	409944	9.250	ng	# 89
92) Benzo(g,h,i)perylene	17.46	276	250500	6.581	ng	# 90

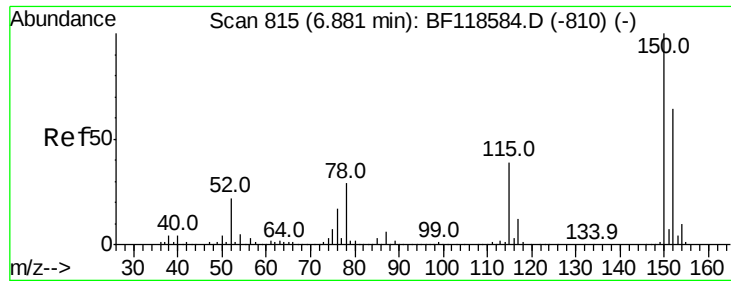
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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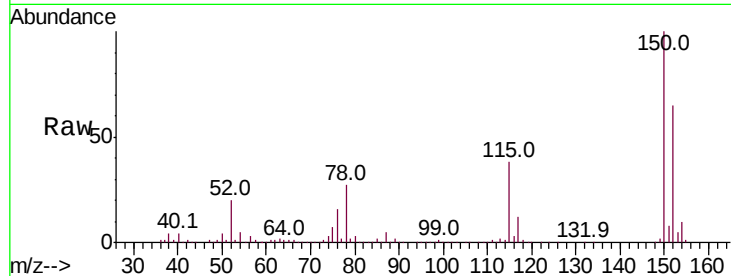


#1

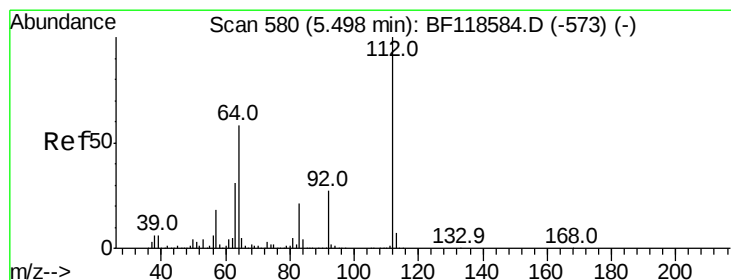
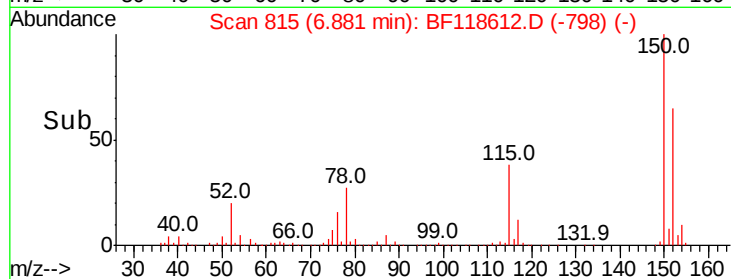
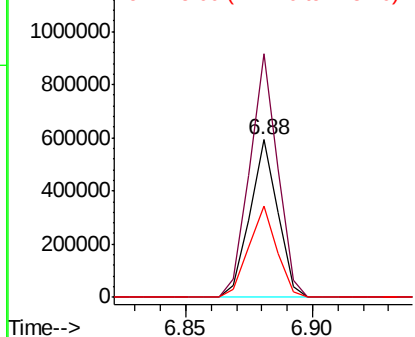
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 454248
Ion Ratio Lower Upper
152 100
150 154.8 125.6 188.4
115 58.2 48.4 72.6



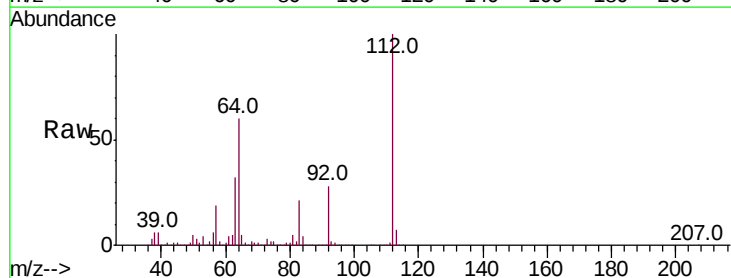
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



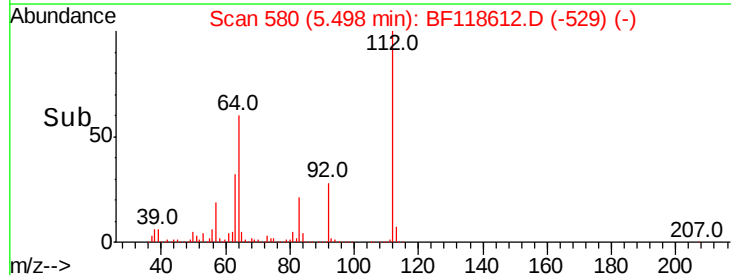
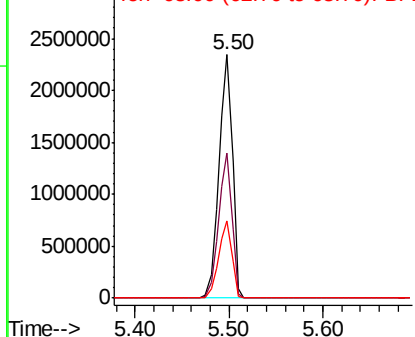
#5

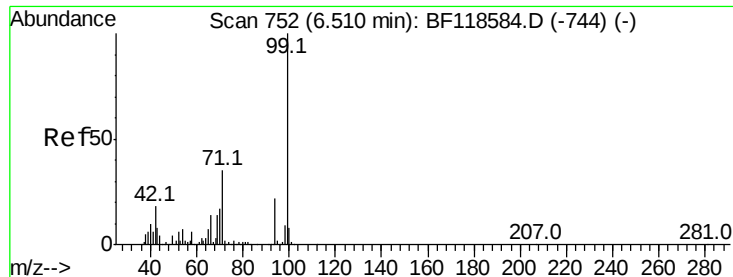
2-Fluorophenol
Concen: 95.690 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion:112 Resp: 2340396
Ion Ratio Lower Upper
112 100
64 59.6 46.6 70.0
63 31.9 25.1 37.7



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: 96.057 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

ClientSampleId :

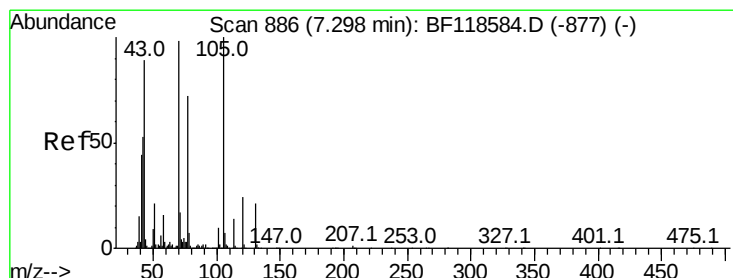
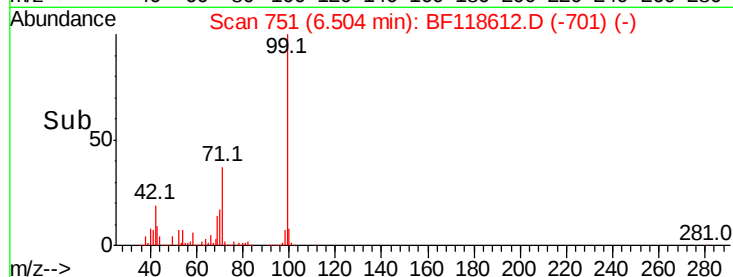
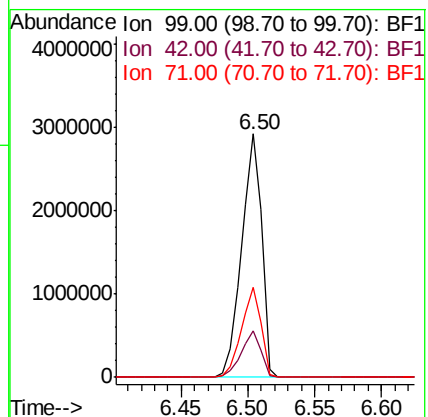
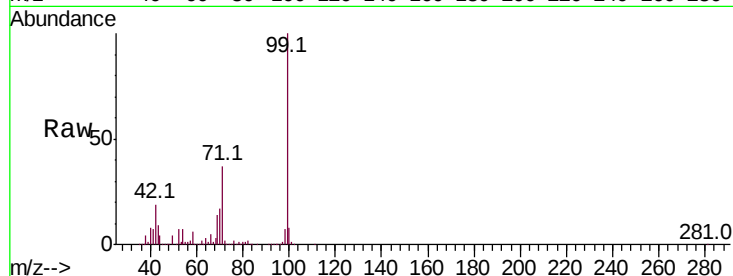
Tot Ion: 99 Resp: 3053564

Ion Ratio Lower Upper

99 100

42 19.0 14.2 21.2

71 37.2 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.117 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Tgt Ion: 70 Resp: 260087

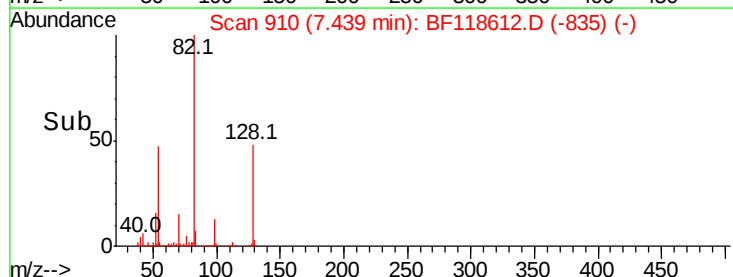
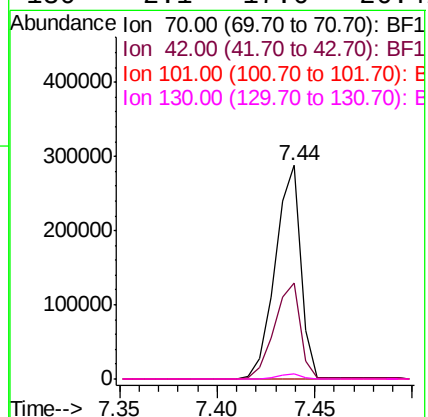
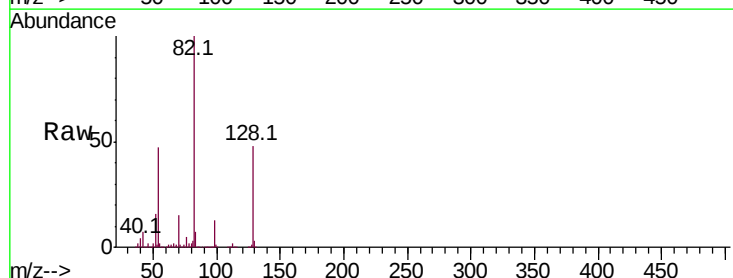
Ion Ratio Lower Upper

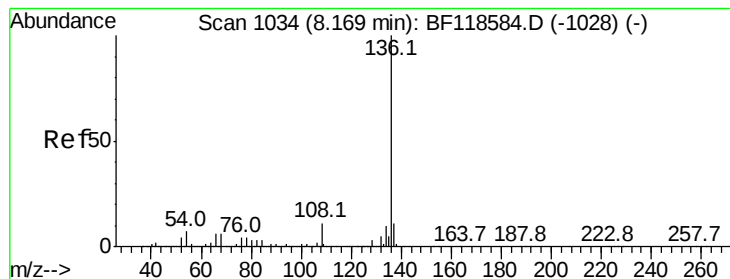
70 100

42 44.7 43.4 65.0

101 0.0 8.1 12.1#

130 2.1 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1516494

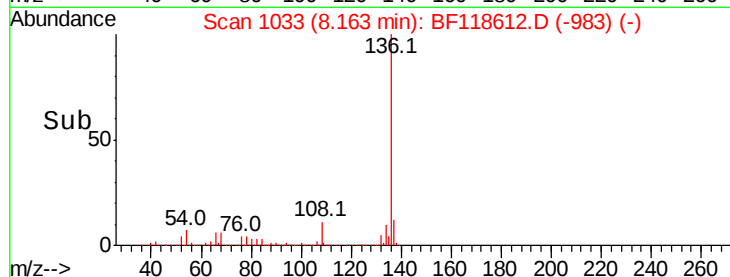
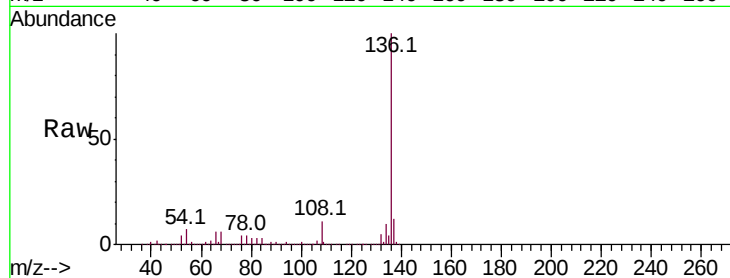
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 7.3 5.8 8.6

68 6.2 5.0 7.4

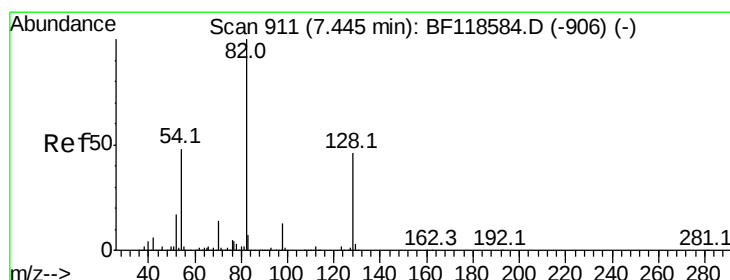
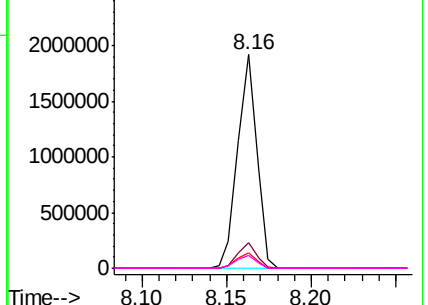


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.730 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

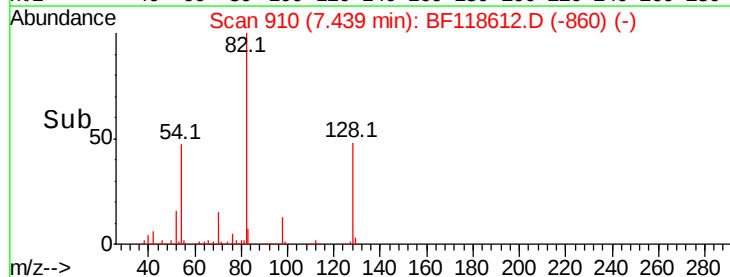
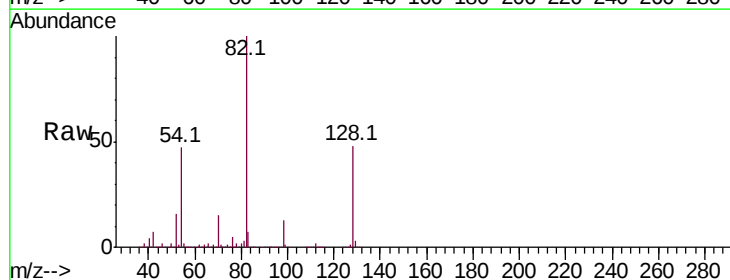
Tgt Ion: 82 Resp: 1836318

Ion Ratio Lower Upper

82 100

128 48.1 36.6 54.8

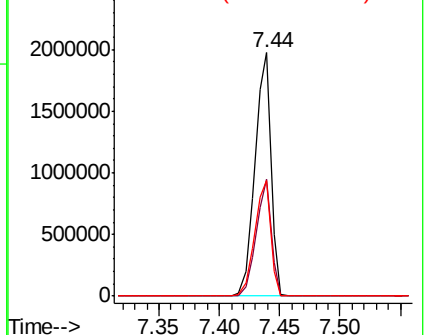
54 47.5 38.0 57.0

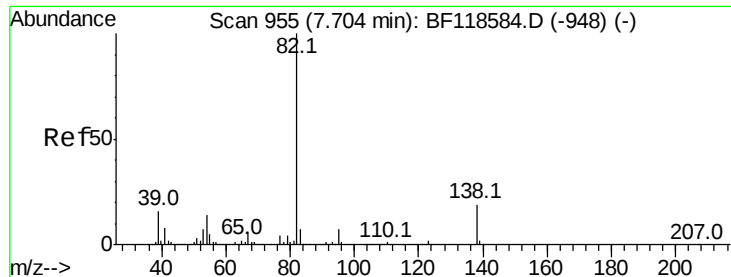


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.037 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

ClientSampleId :

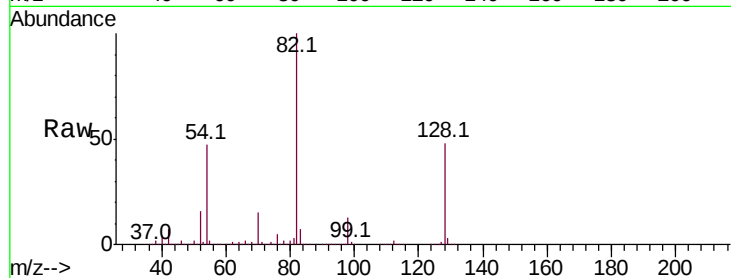
Tot Ion: 82 Resp: 1831553

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

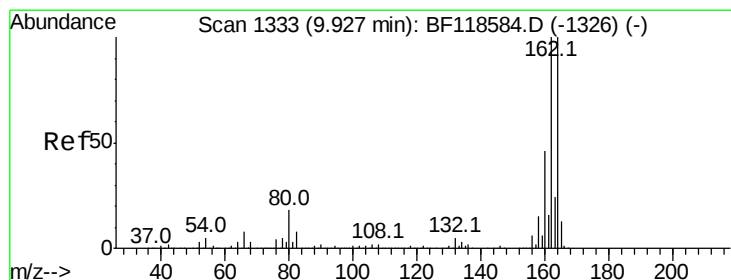
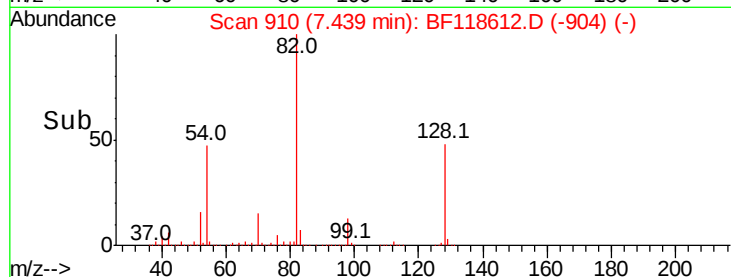
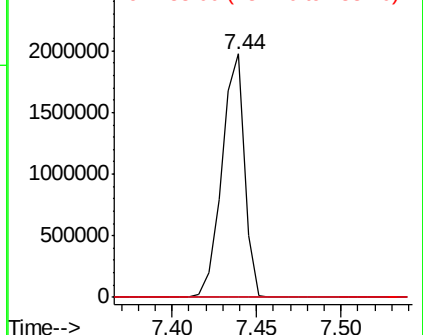
138 0.0 15.3 22.9#



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: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

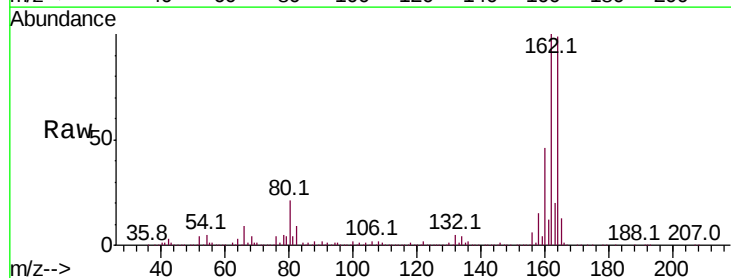
Tgt Ion:164 Resp: 717248

Ion Ratio Lower Upper

164 100

162 100.8 80.4 120.6

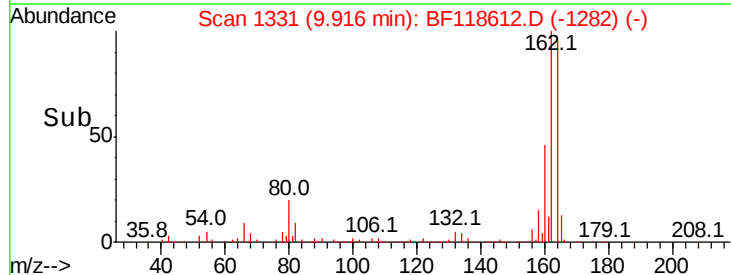
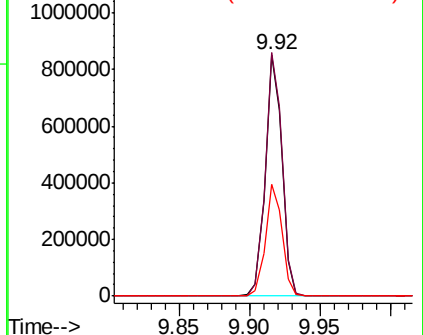
160 46.1 36.6 55.0

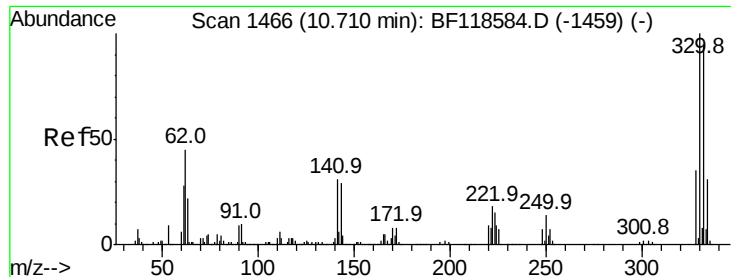


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

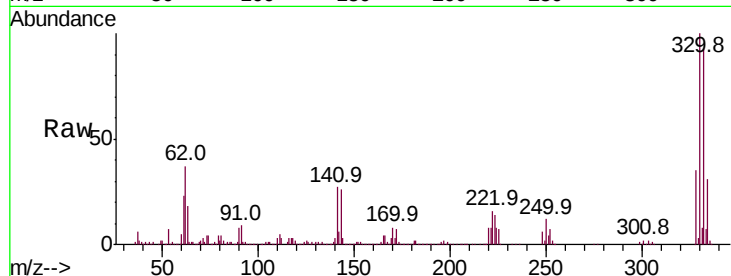




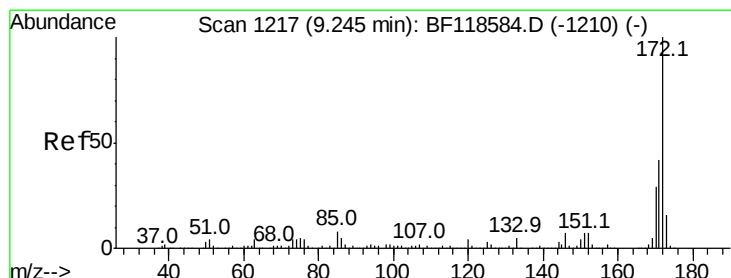
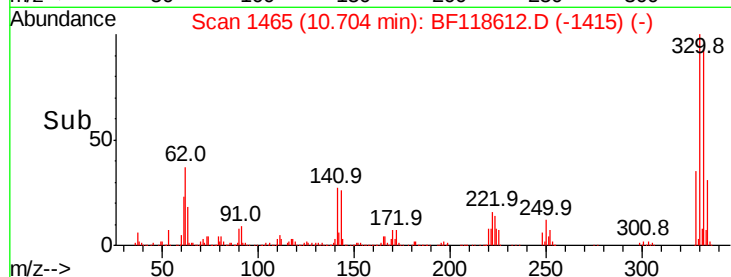
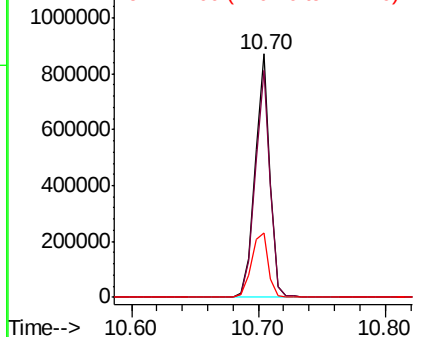
#42
 2,4,6-Tribromophenol
 Concen: 85.904 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118612.D
 Acq: 21 Jan 2020 1:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 712651
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.2 114.4
 141 29.9 23.9 35.9

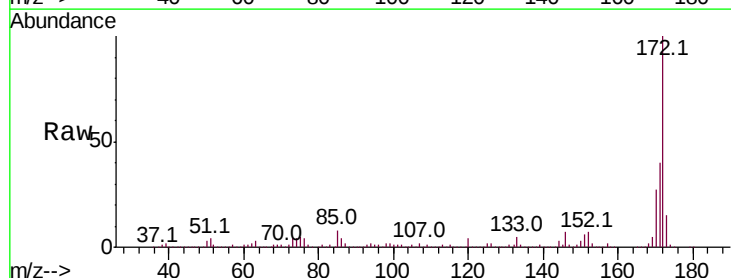


Abundance Ion 329.80 (329.50 to 330.50): E
 1200000 Ion 331.80 (331.50 to 332.50): E
 1000000 Ion 141.00 (140.70 to 141.70): E

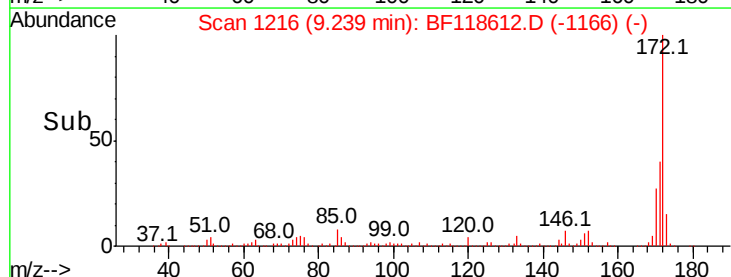
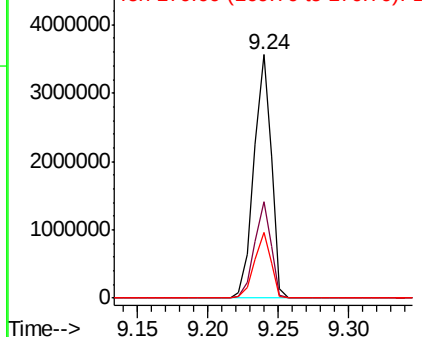


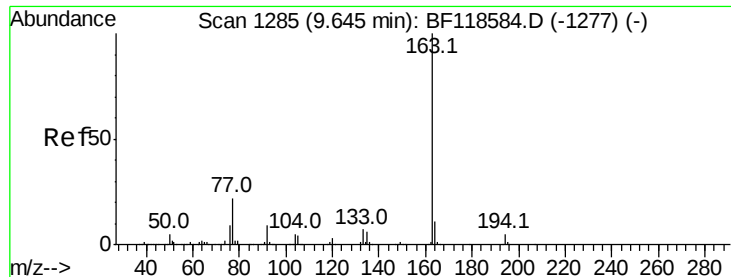
#45
 2-Fluorobiphenyl
 Concen: 71.142 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118612.D
 Acq: 21 Jan 2020 1:03

Tgt Ion:172 Resp: 3104535
 Ion Ratio Lower Upper
 172 100
 171 39.6 33.4 50.2
 170 26.9 23.2 34.8



Abundance Ion 172.00 (171.70 to 172.70): E
 4000000 Ion 171.00 (170.70 to 171.70): E
 3000000 Ion 170.00 (169.70 to 170.70): E

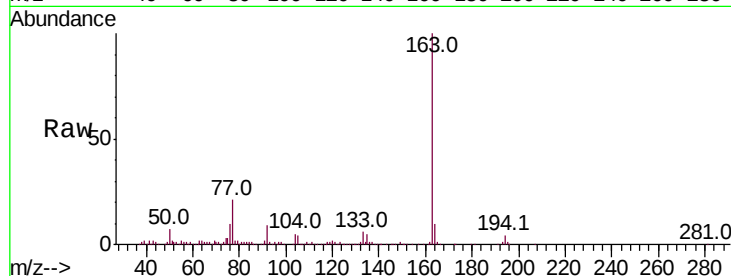




#50
Dimethylphthalate
Concen: 4.426 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.9	5.9
164	9.8	9.1	13.7

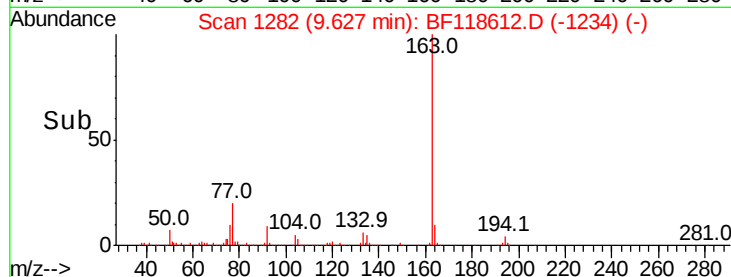
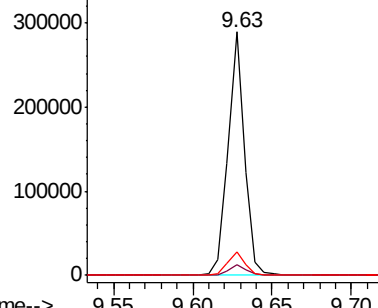


Abundance

Ion 163.00 (162.70 to 163.70): E

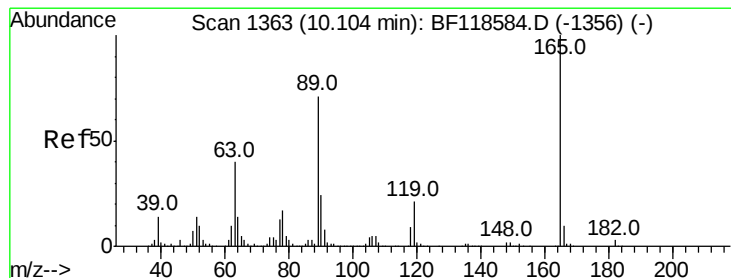
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 7.410 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.4	48.6#
89	1.4	56.4	84.6#
182	0.3	2.3	3.5#



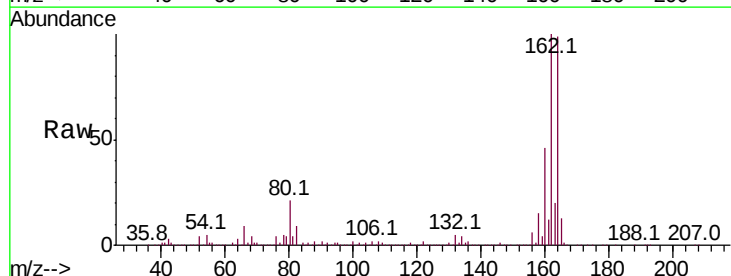
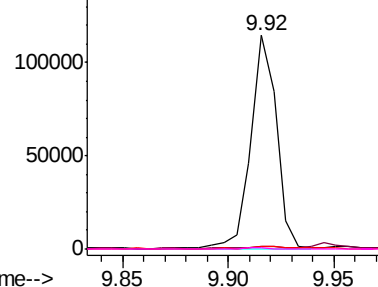
Abundance

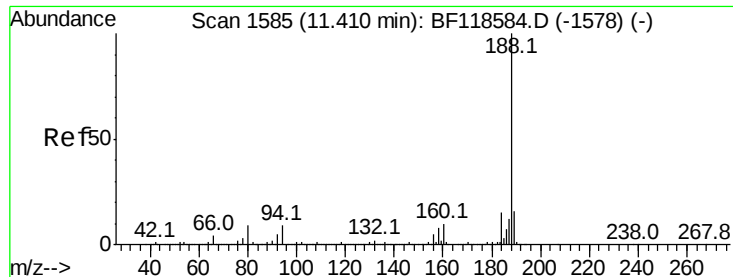
Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

ClientSampleId :

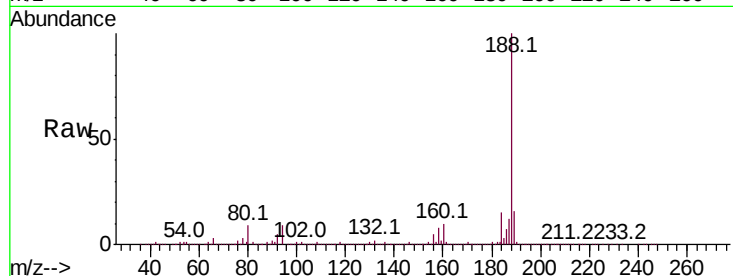
Tot Ion:188 Resp: 1149680

Ion Ratio Lower Upper

188 100

94 8.6 7.1 10.7

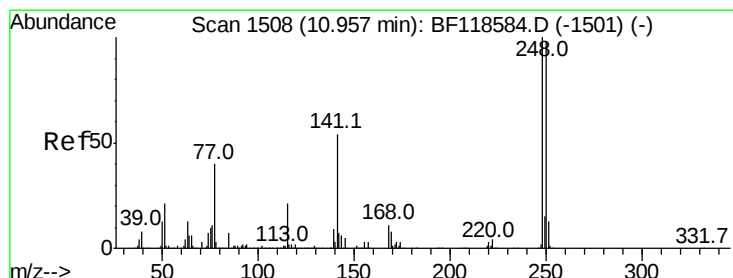
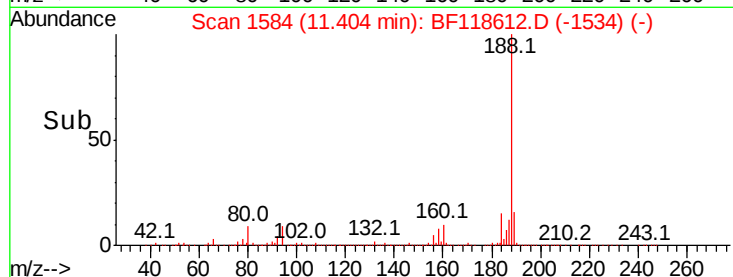
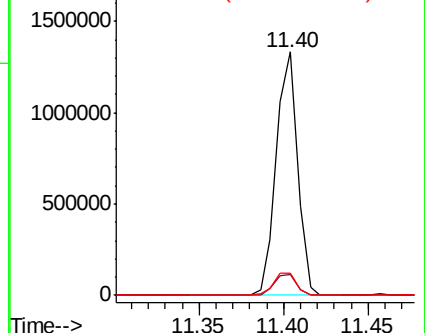
80 9.2 7.5 11.3



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: 3.233 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

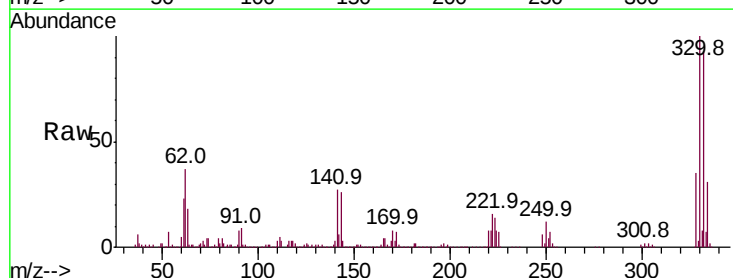
Tgt Ion:248 Resp: 45918

Ion Ratio Lower Upper

248 100

250 196.9 78.7 118.1#

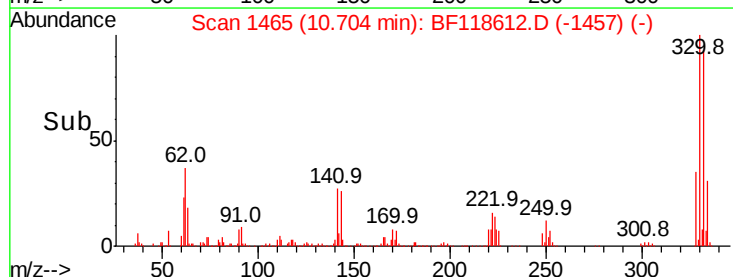
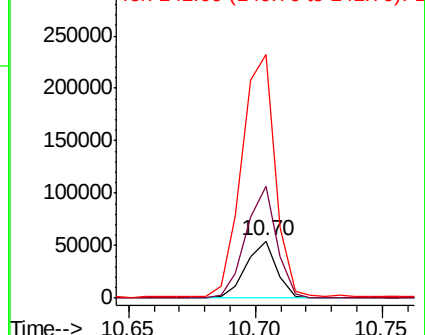
141 427.4 43.2 64.8#

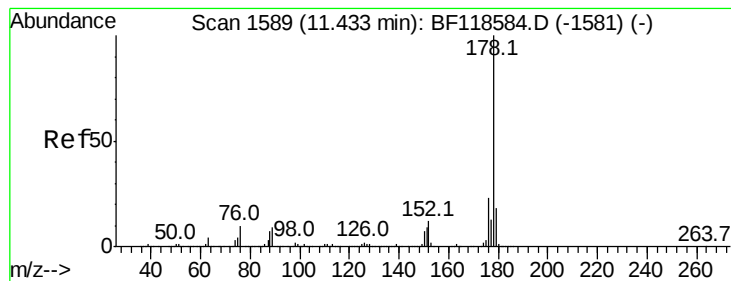


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 10.083 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

ClientSampleId :

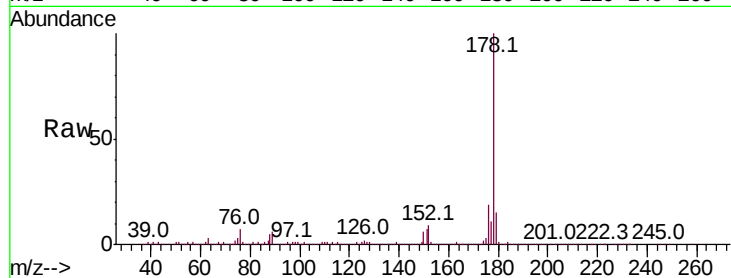
Tot Ion:178 Resp: 559237

Ion Ratio Lower Upper

178 100

176 19.3 18.6 27.8

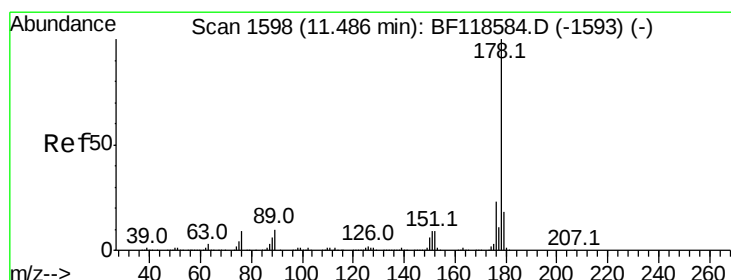
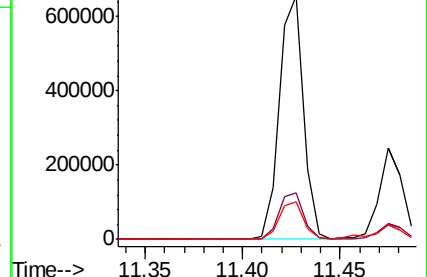
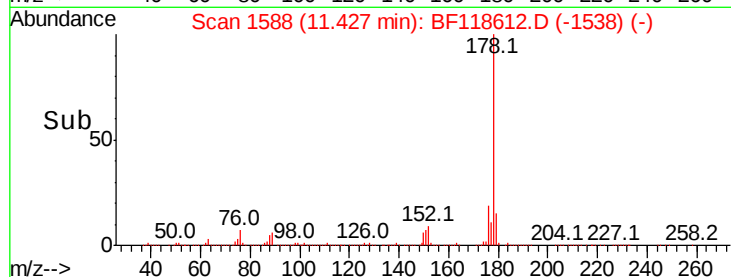
179 15.3 14.7 22.1



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: 10.190 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.06 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

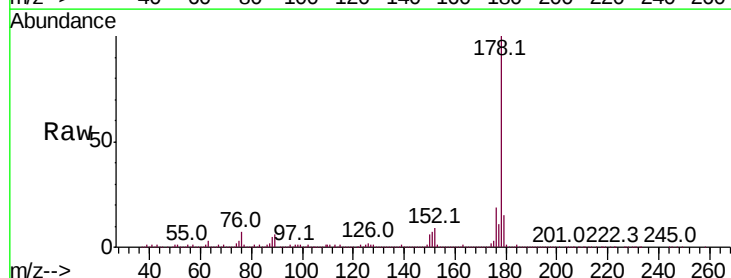
Tgt Ion:178 Resp: 559237

Ion Ratio Lower Upper

178 100

176 19.3 18.0 27.0

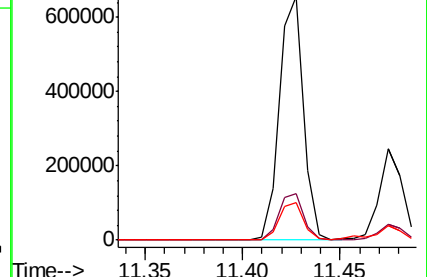
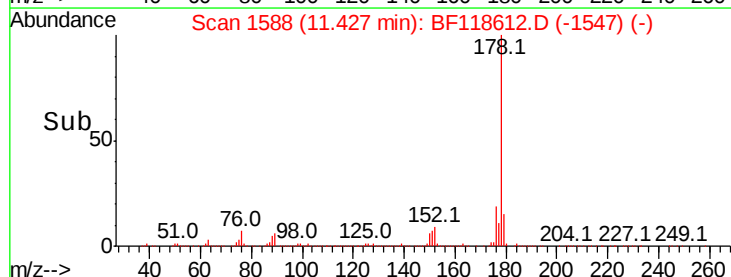
179 15.3 14.7 22.1

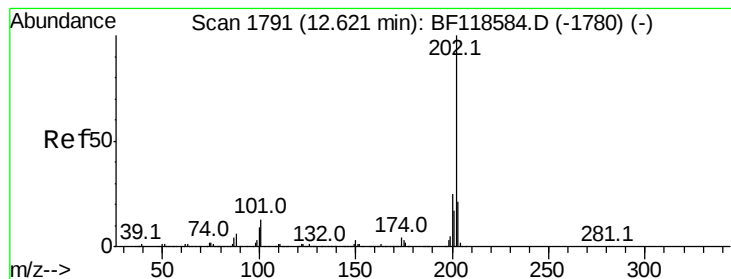


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 18.036 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

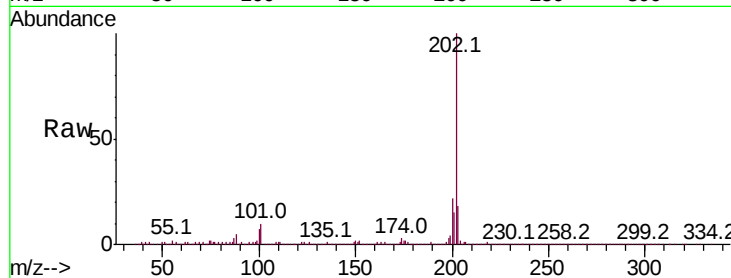
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1055137

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	32.5
203	18.3	0.8	40.8

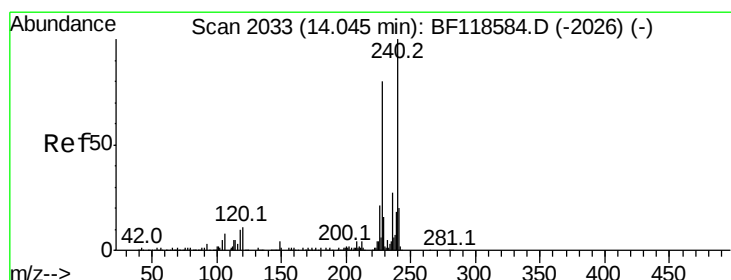
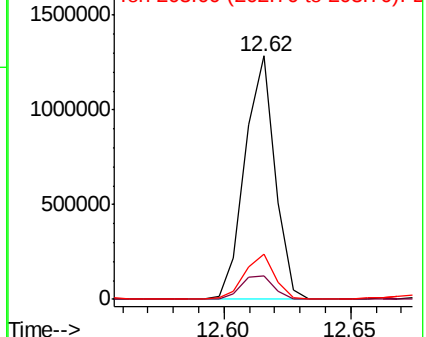
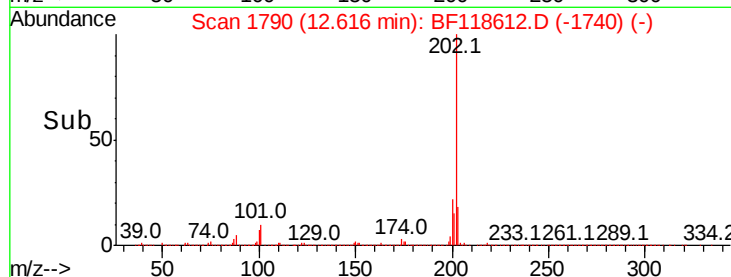


Abundance

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: 20.000 ng

RT: 14.04 min Scan# 2033

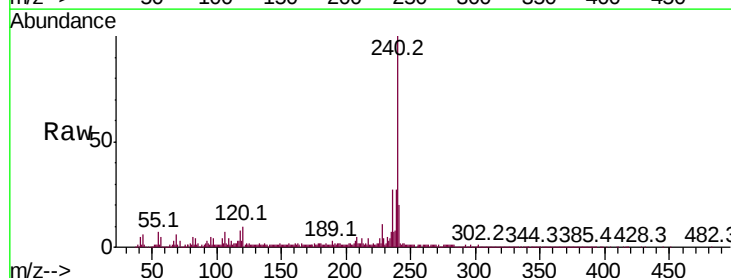
Delta R.T. 0.00 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Tgt Ion:240 Resp: 936815

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	27.5	21.5	32.3

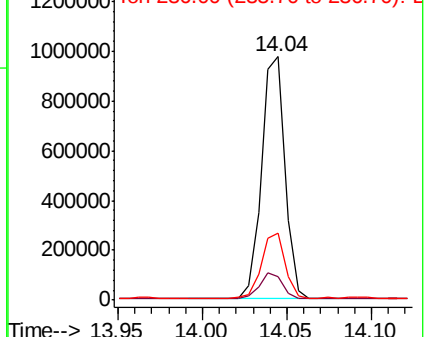
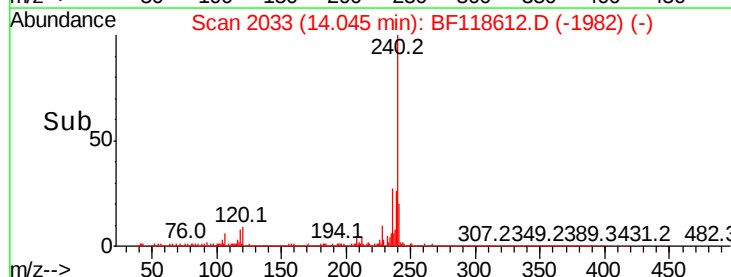


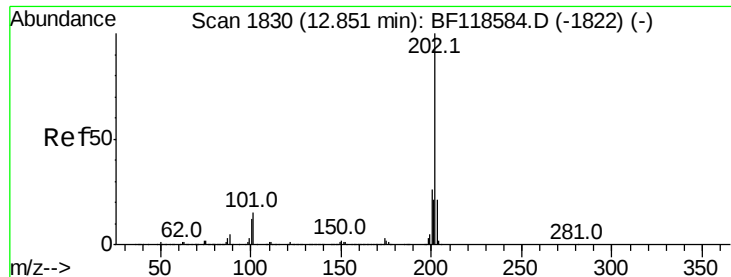
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

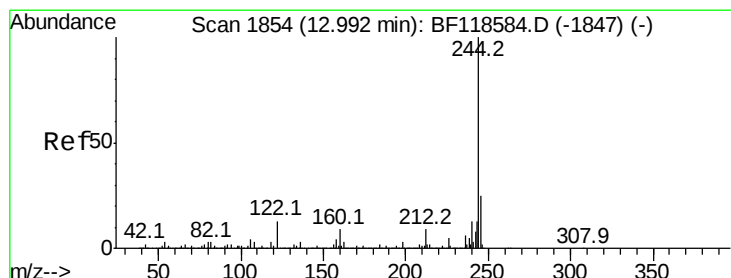
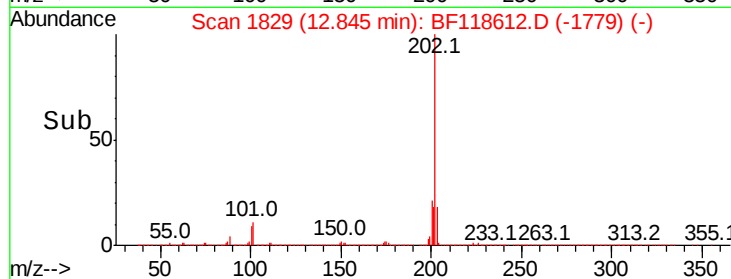
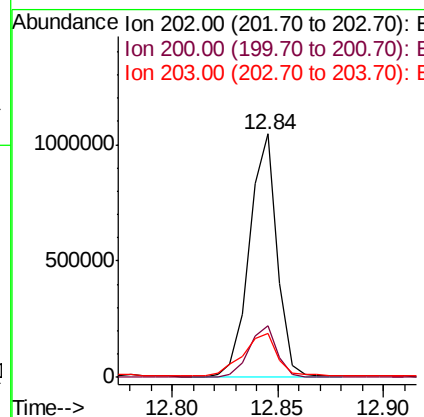
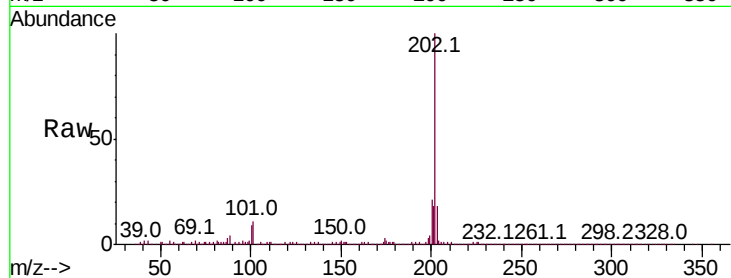




#78
Pvrene
Concen: 14.771 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

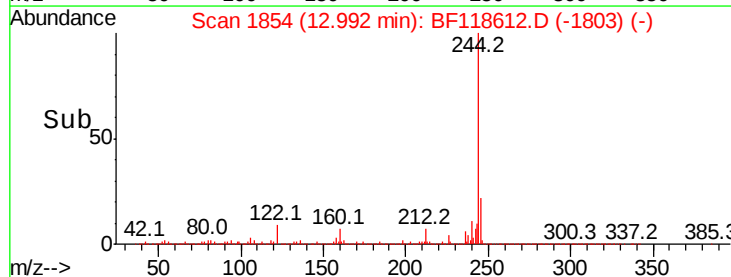
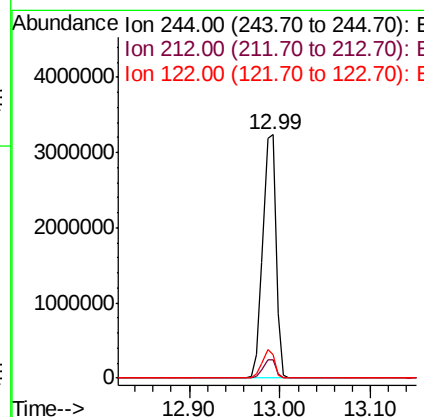
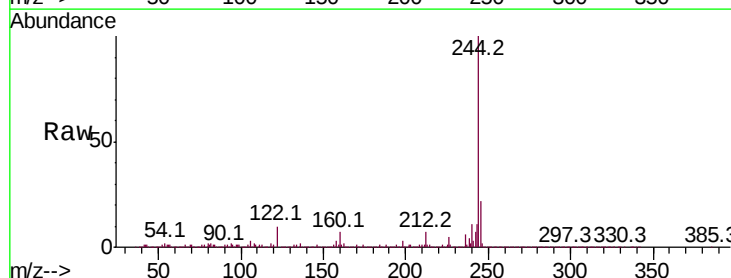
Instrument :
BNA_F
ClientSampleId :

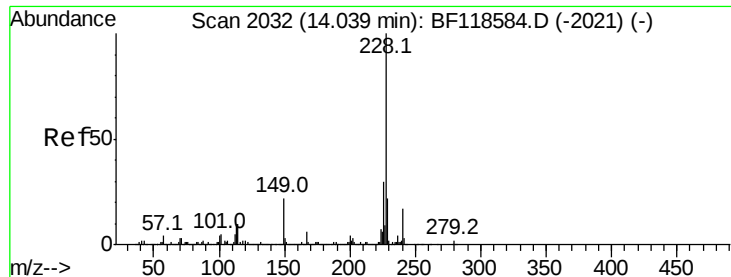
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	20.6	31.0
203	18.1	16.8	25.2



#79
Terphenyl-d14
Concen: 75.772 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	7.0	10.4
122	9.5	10.7	16.1#

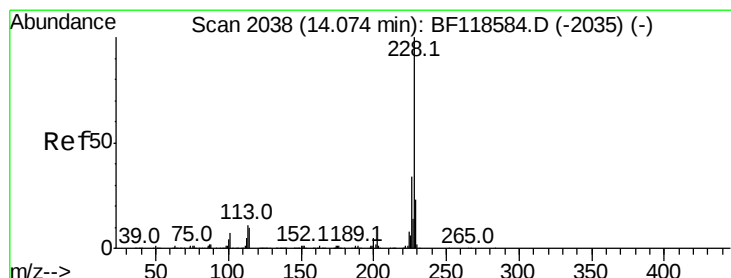
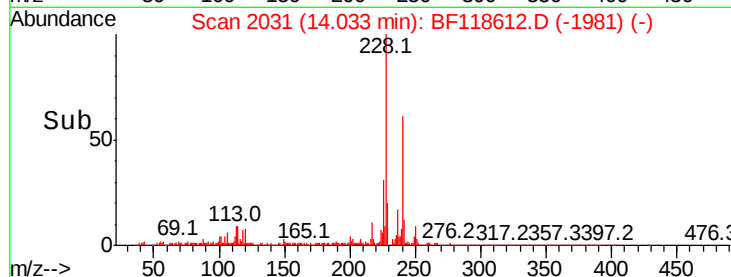
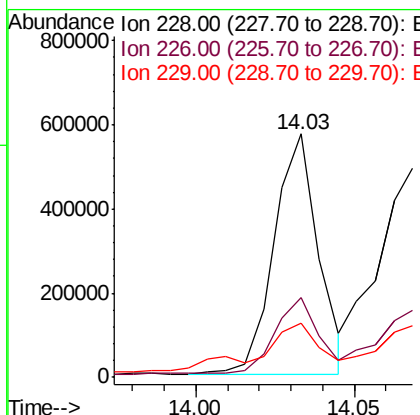
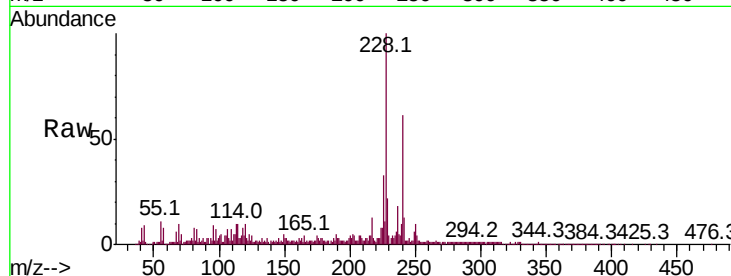




#81
Benzo(a)anthracene
Concen: 9.848 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

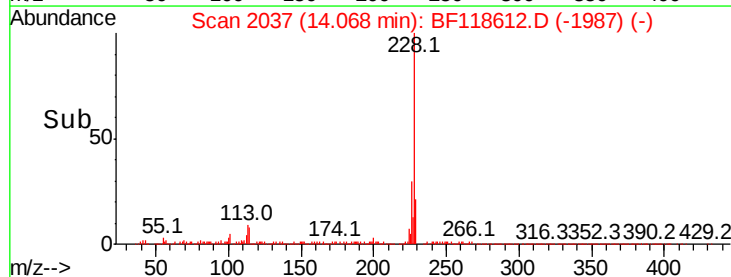
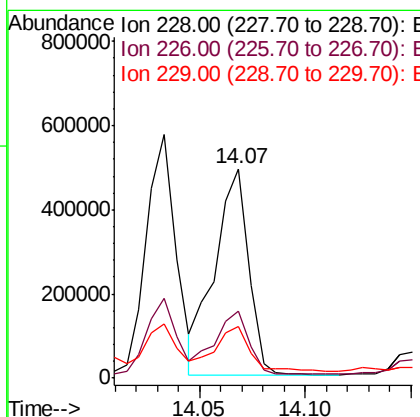
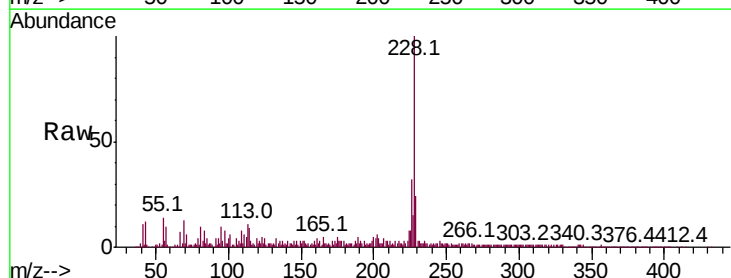
Instrument :
BNA_F
ClientSampleId :

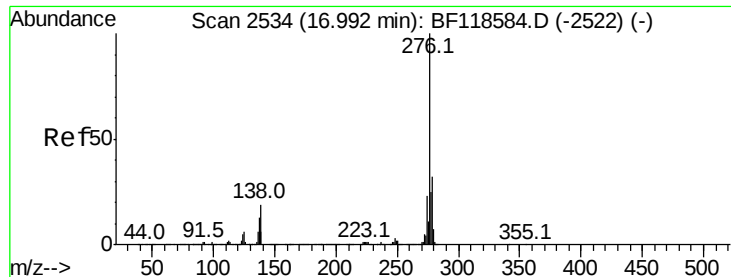
Tot Ion:228 Resp: 554990
Ion Ratio Lower Upper
228 100
226 32.5 24.1 36.1
229 22.3 17.6 26.4



#83
Chrysene
Concen: 10.090 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion:228 Resp: 544977
Ion Ratio Lower Upper
228 100
226 32.0 27.4 41.0
229 24.4 18.3 27.5

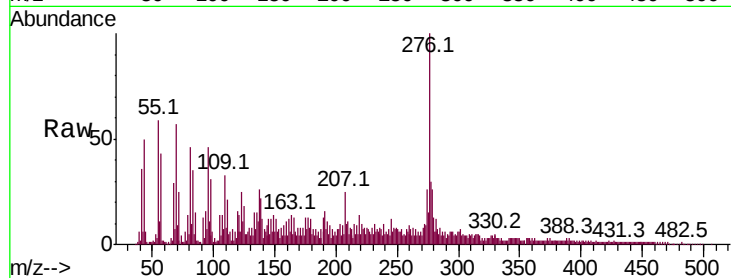




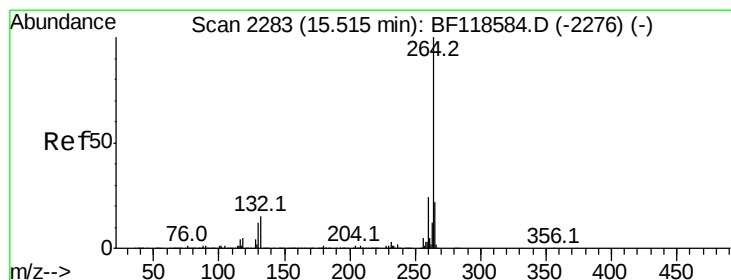
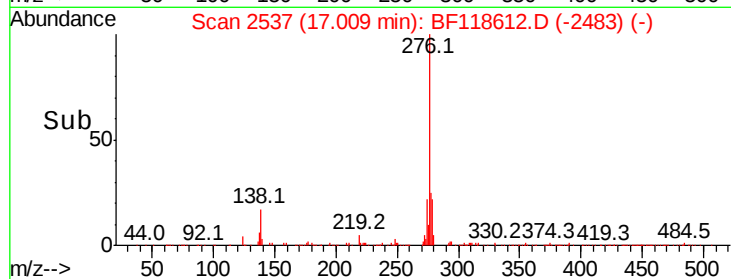
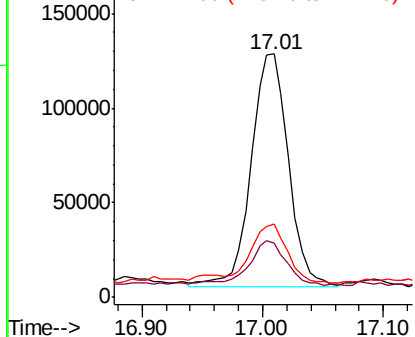
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.652 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	17.2	25.8
277	24.8	20.5	30.7

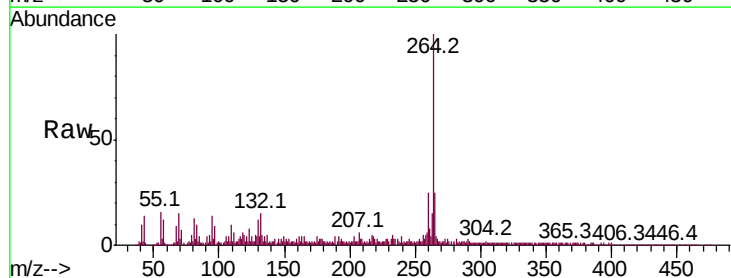


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

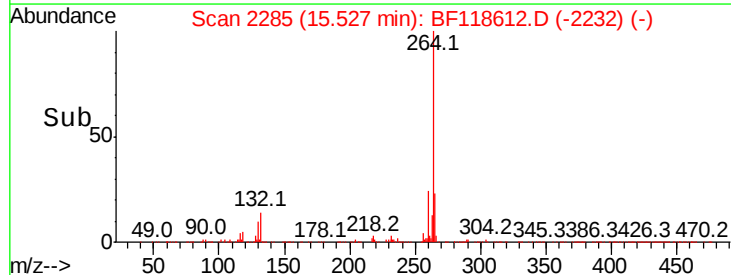
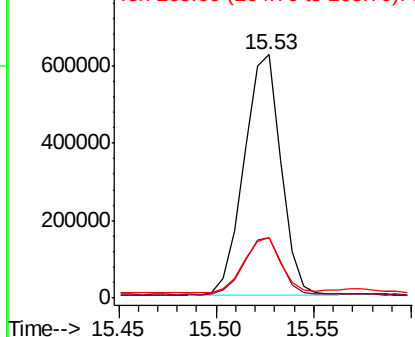


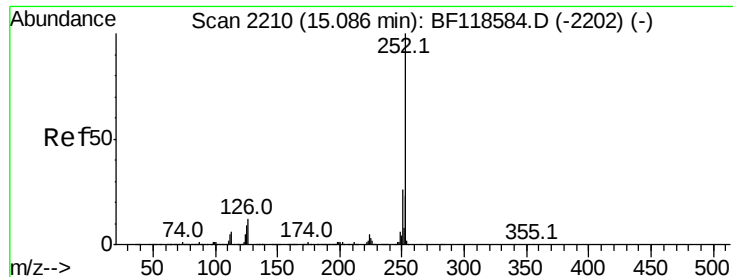
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	24.7	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

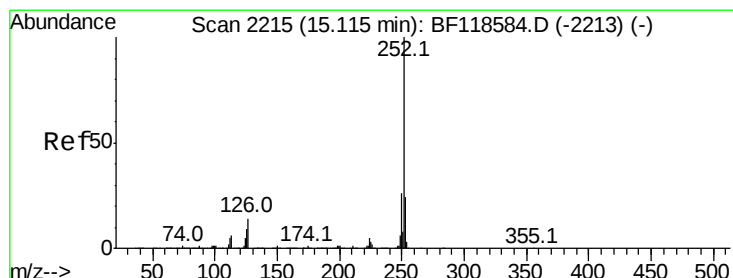
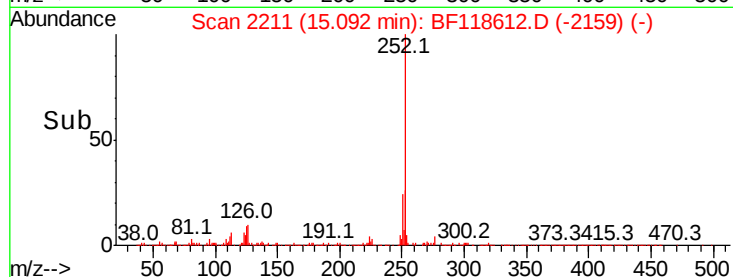
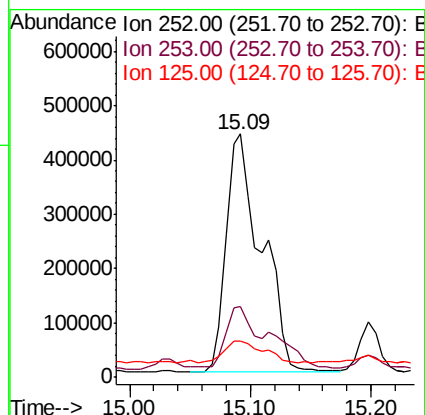
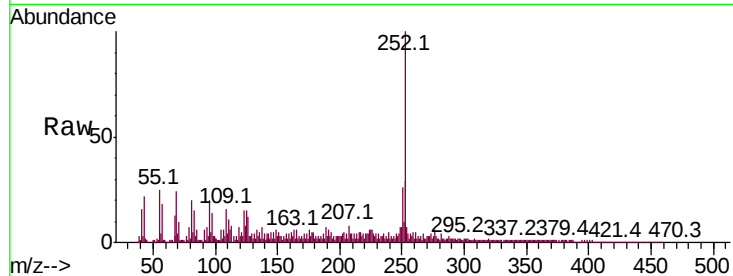




#88
Benzo(b)fluoranthene
Concen: 17.369 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

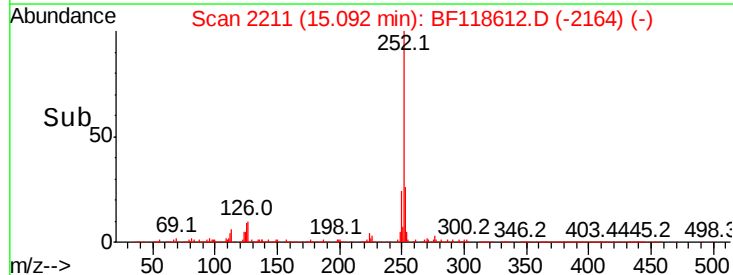
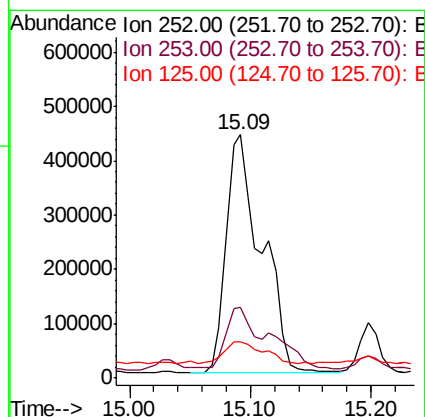
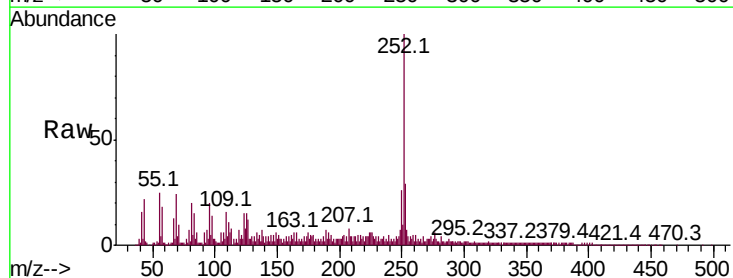
Instrument :
BNA_F
ClientSampleId :

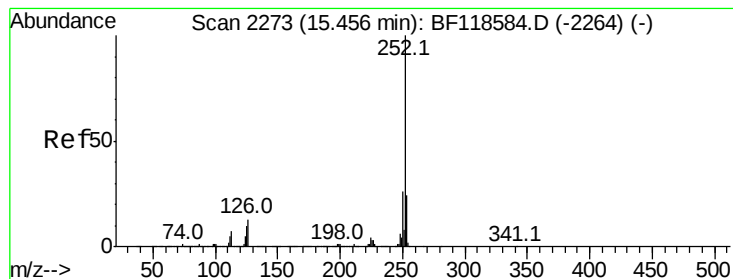
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.7	28.1#
125	15.0	7.3	10.9#



#89
Benzo(k)fluoranthene
Concen: 18.748 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF118612.D
Acq: 21 Jan 2020 1:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	19.0	28.4#
125	15.0	7.6	11.4#





#90

Benzo(a)pyrene

Concen: 9.250 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

Instrument :

BNA_F

ClientSampleId :

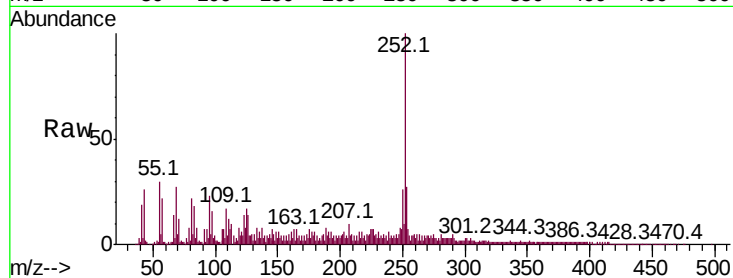
Tot Ion:252 Resp: 409944

Ion Ratio Lower Upper

252 100

253 27.3 18.8 28.2

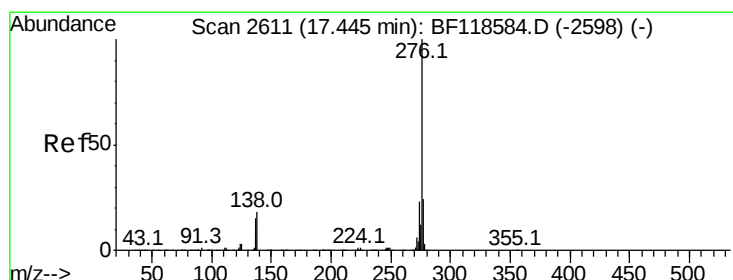
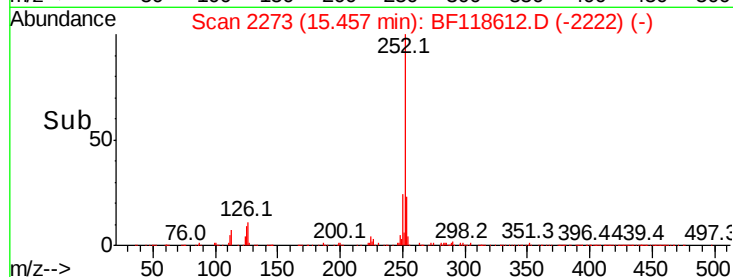
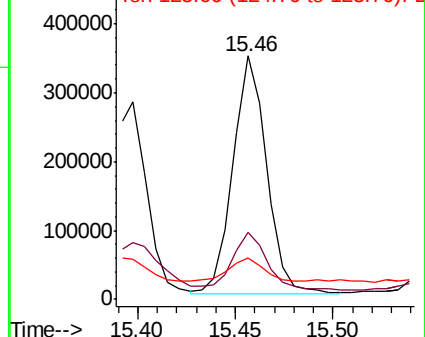
125 16.8 7.8 11.6#



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



#92

Benzo(g,h,i)perylene

Concen: 6.581 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.01 min

Lab File: BF118612.D

Acq: 21 Jan 2020 1:03

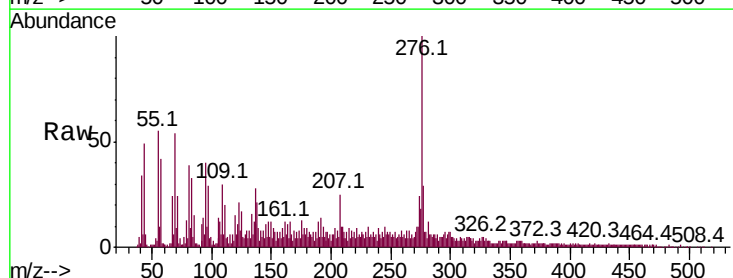
Tgt Ion:276 Resp: 250500

Ion Ratio Lower Upper

276 100

277 29.5 18.9 28.3#

138 21.1 14.4 21.6



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

