

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
 Data File : BF120197.D
 Acq On : 24 Apr 2020 12:56
 Operator : MA/SJ
 Sample : L2394-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-1

Quant Time: Apr 24 13:30:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	181276	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	714916	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	365794	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	647914	20.00	ng	0.00
76) Chrysene-d12	13.82	240	369990	20.00	ng	-0.01
87) Perylene-d12	15.22	264	323133	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	788515	75.17	ng	0.00
7) Phenol-d6	6.31	99	1017035	75.25	ng	0.00
23) Nitrobenzene-d5	7.23	82	723789	52.38	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	277163	61.89	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1397978	54.26	ng	0.00
79) Terphenyl-d14	12.77	244	1340524	60.96	ng	0.00

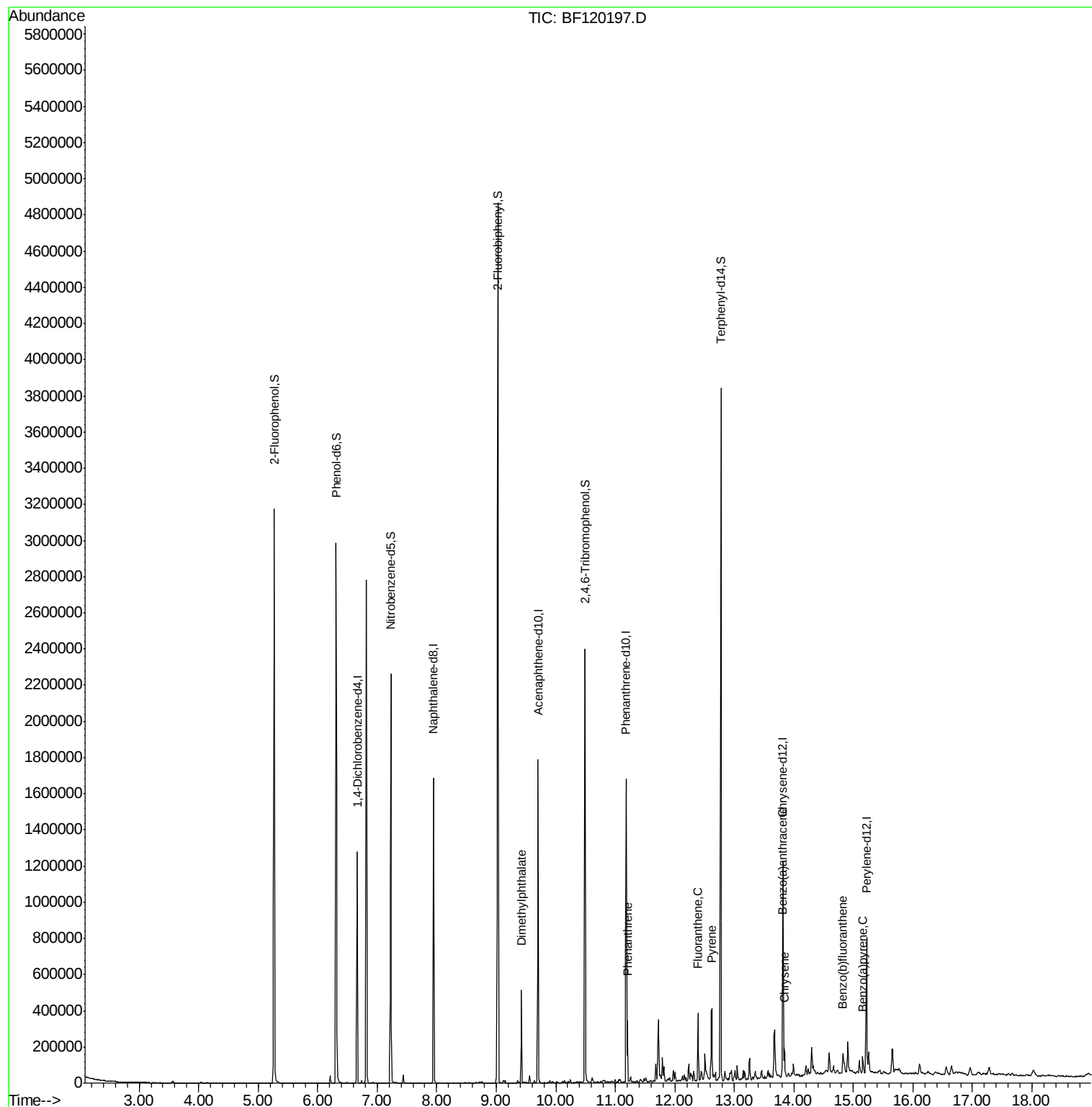
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.42	163	173975	6.149	ng	99
71) Phenanthrene	11.20	178	113127	3.281	ng	97
75) Fluoranthene	12.39	202	144155	3.874	ng	97
78) Pyrene	12.62	202	171442	5.497	ng	95
81) Benzo(a)anthracene	13.80	228	49127	2.018	ng	96
83) Chrysene	13.84	228	62572	2.530	ng	96
88) Benzo(b)fluoranthene	14.83	252	73085	3.144	ng	96
90) Benzo(a)pyrene	15.16	252	42073	2.153	ng	97

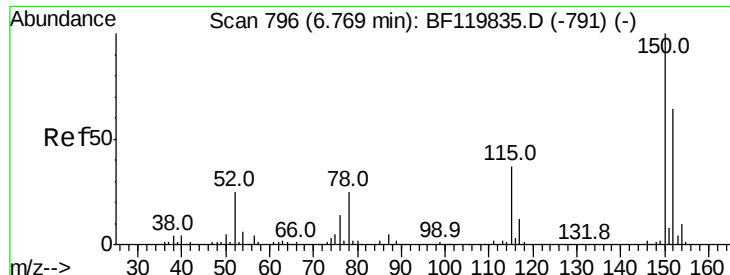
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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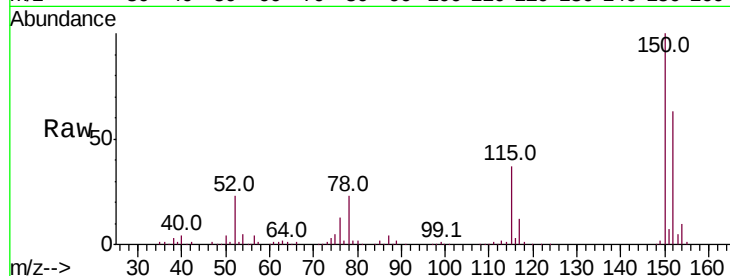


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF120197.D
 Acq: 24 Apr 2020 12:56

Instrument :
 BNA_F
 ClientSampleId :
 R-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.5	186.7
115	57.9	49.6	74.4

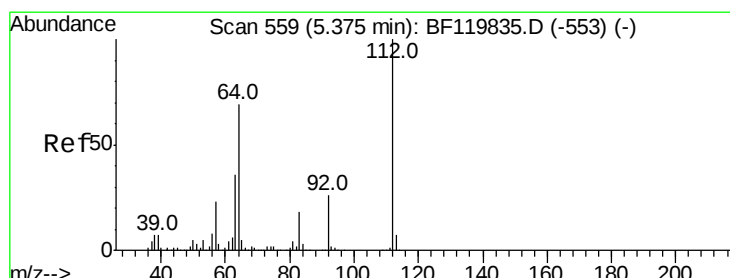
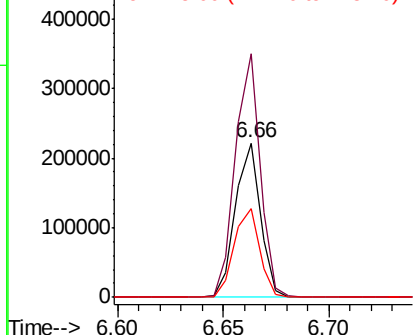
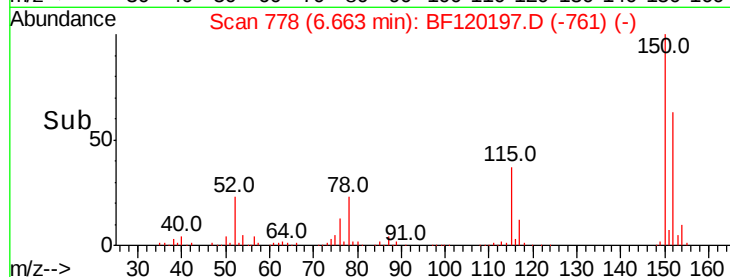


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

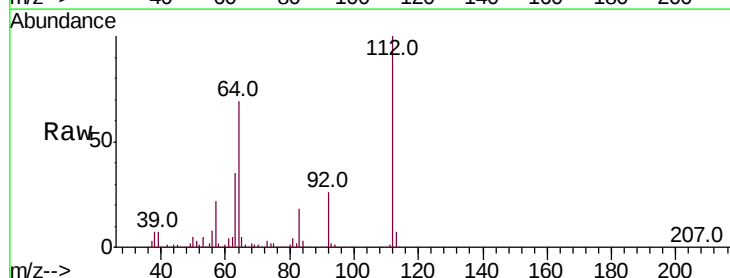
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 75.173 ng
 RT: 5.27 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: BF120197.D
 Acq: 24 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	56.7	85.1
63	35.3	29.5	44.3

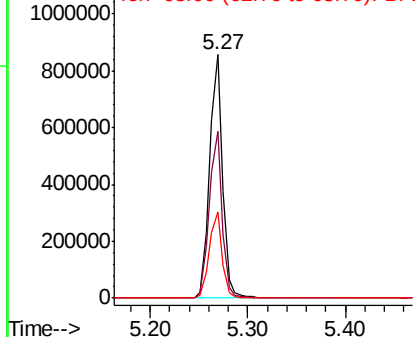
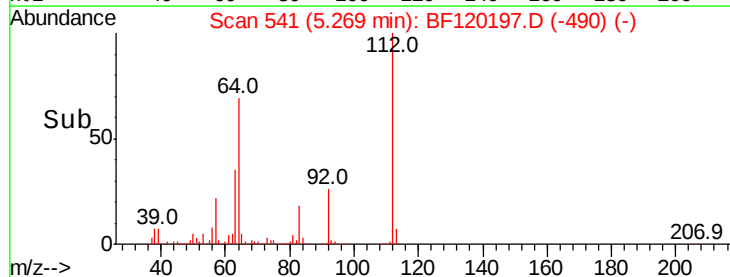


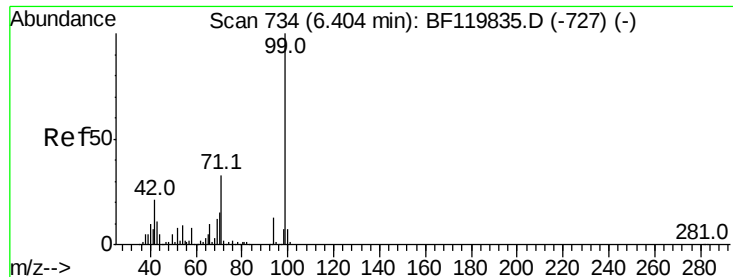
Abundance

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: 75.246 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

Instrument :

BNA_F

ClientSampled :

R-1

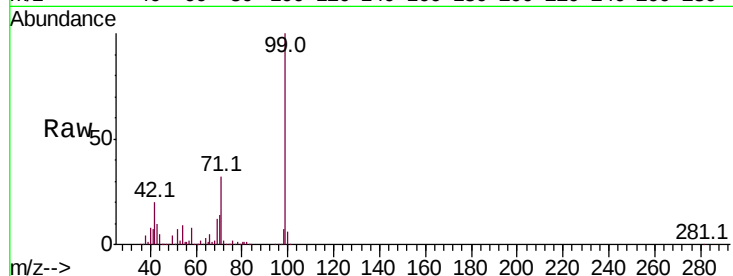
Tot Ion: 99 Resp: 1017035

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

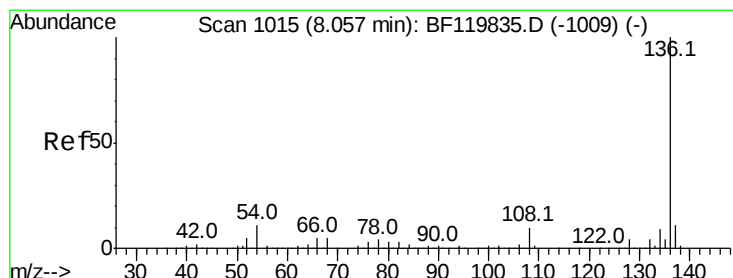
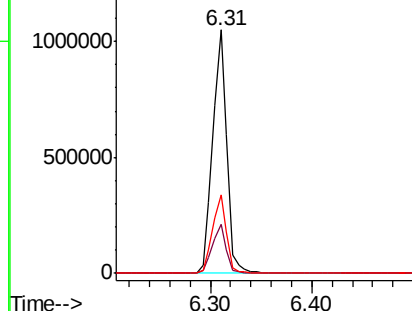
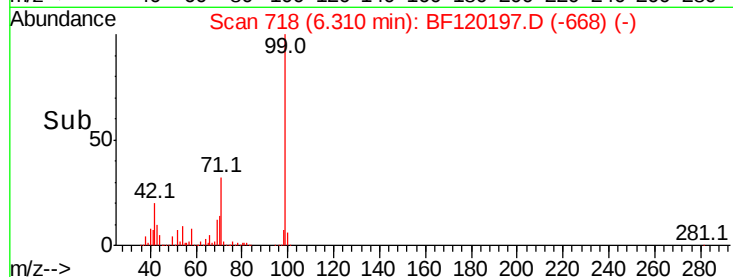
71 32.4 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

Tgt Ion: 136 Resp: 714916

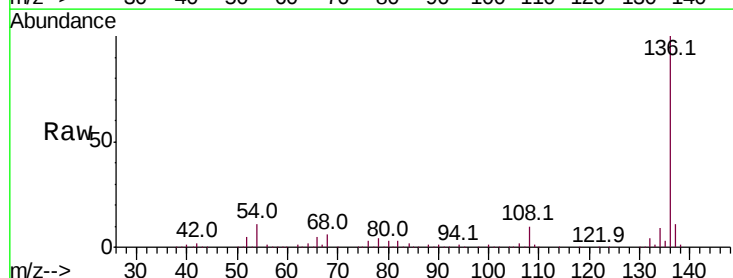
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.8 9.1 13.7

68 5.8 4.6 6.8

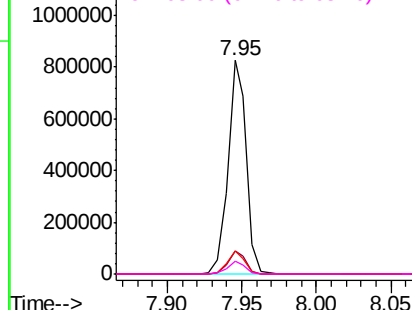
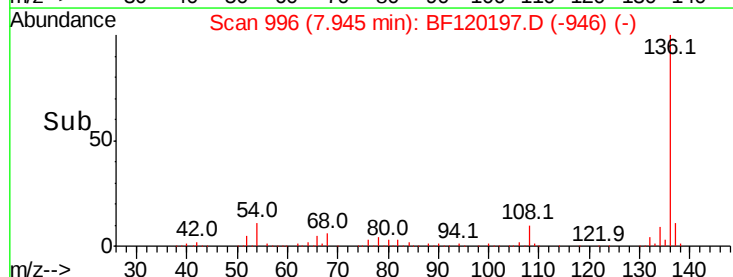


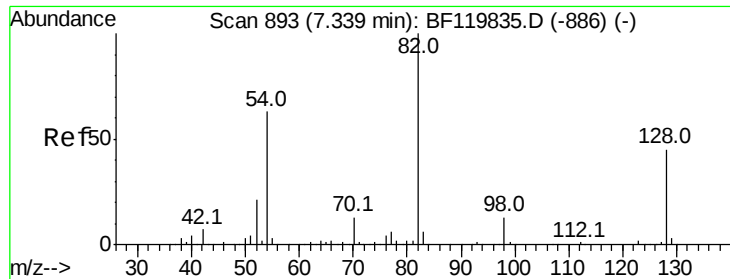
Abundance Ion 136.00 (135.70 to 136.70): E

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

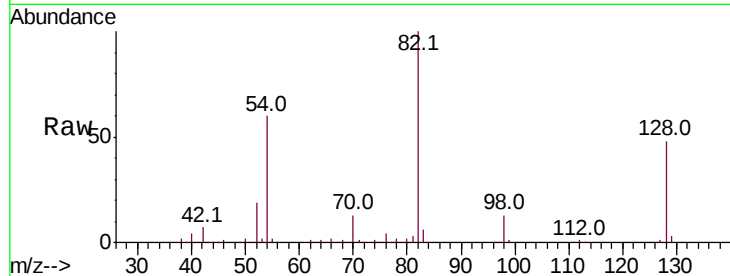




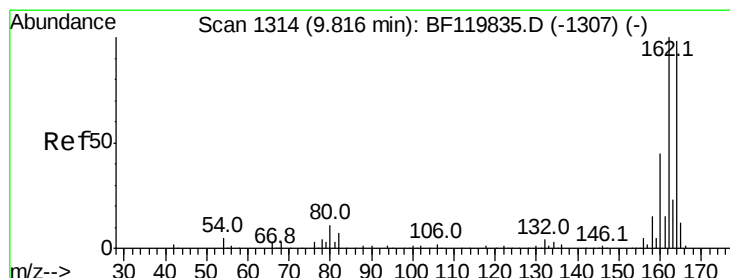
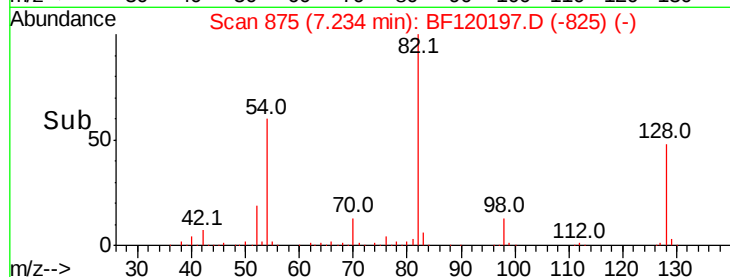
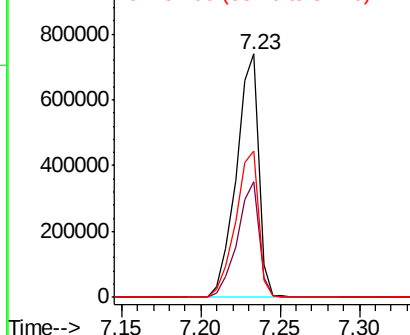
#23
Nitrobenzene-d5
Concen: 52.376 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Instrument :
BNA_F
ClientSampleId :
R-1

Tot Ion: 82 Resp: 723789
Ion Ratio Lower Upper
82 100
128 47.8 36.3 54.5
54 59.9 50.6 75.8

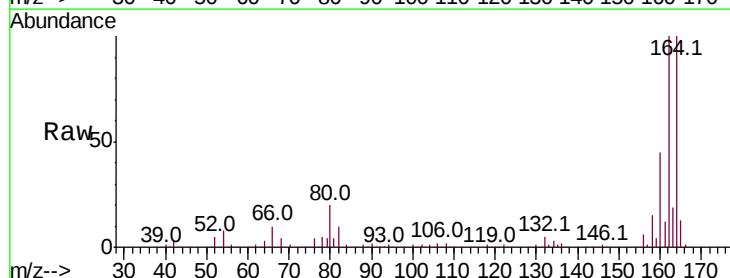


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

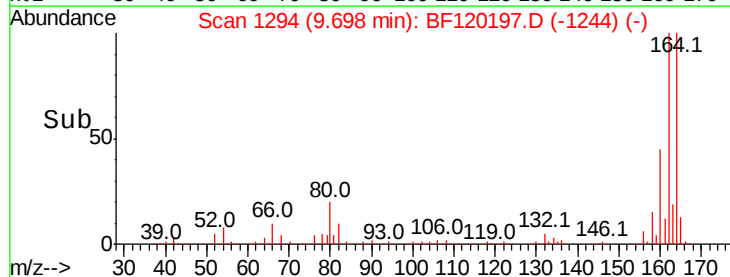
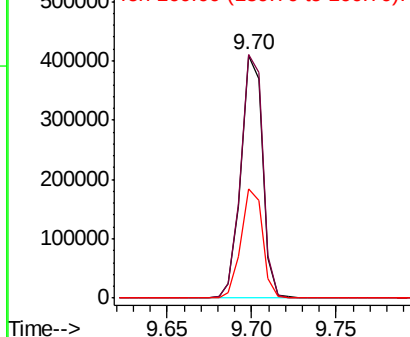


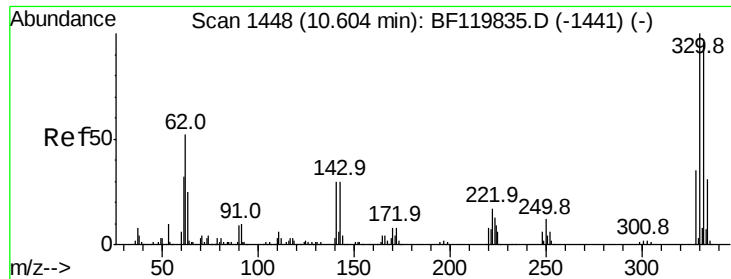
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Tgt Ion:164 Resp: 365794
Ion Ratio Lower Upper
164 100
162 100.4 80.6 121.0
160 45.0 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

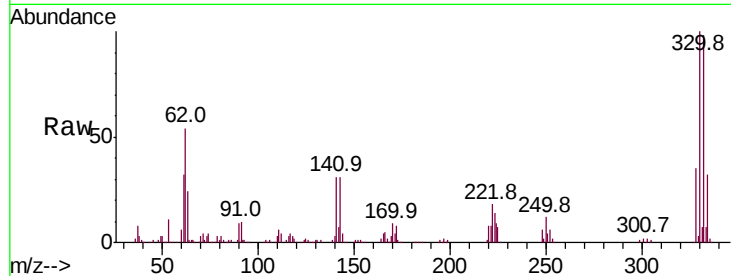




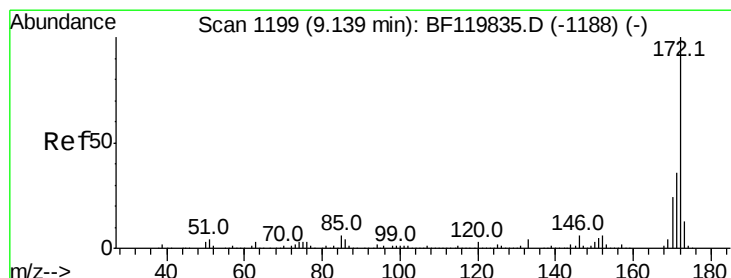
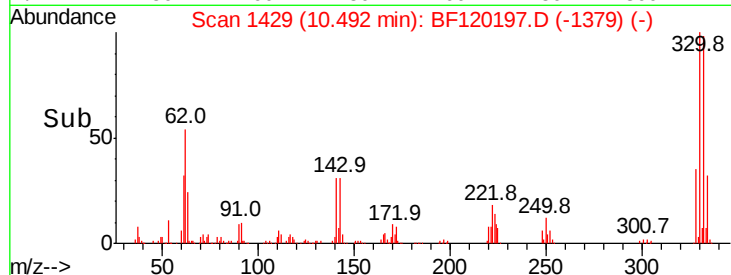
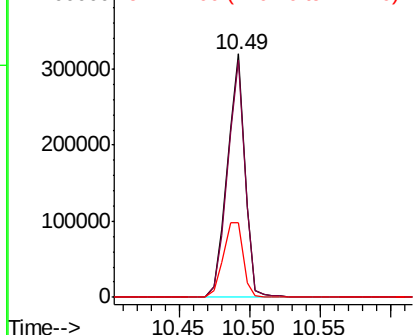
#42
 2,4,6-Tribromophenol
 Concen: 61.887 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120197.D
 Acq: 24 Apr 2020 12:56

Instrument :
 BNA_F
 ClientSampleId :
 R-1

Tot Ion:330 Resp: 277163
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.7 113.5
 141 35.4 25.4 38.0

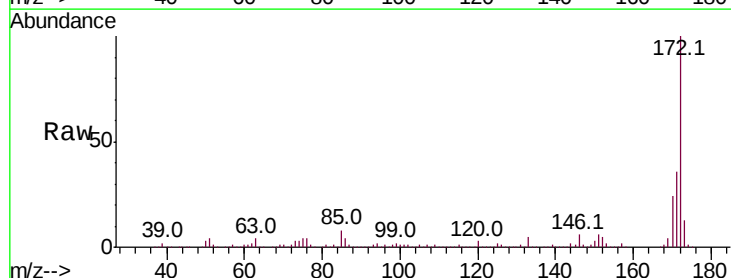


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

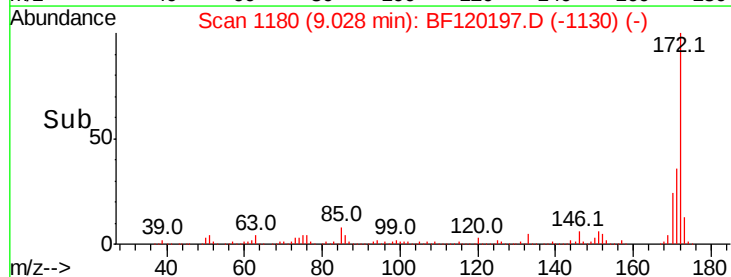
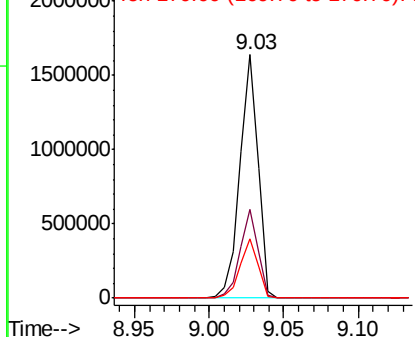


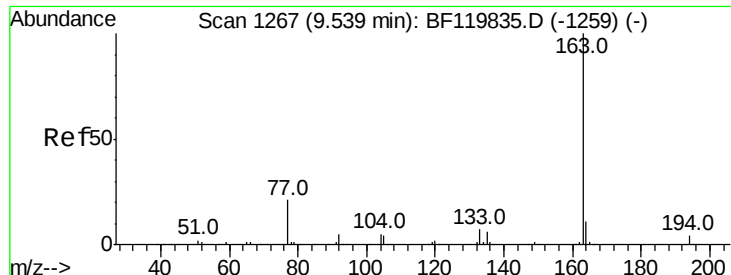
#45
 2-Fluorobiphenyl
 Concen: 54.261 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120197.D
 Acq: 24 Apr 2020 12:56

Tgt Ion:172 Resp: 1397978
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.1 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

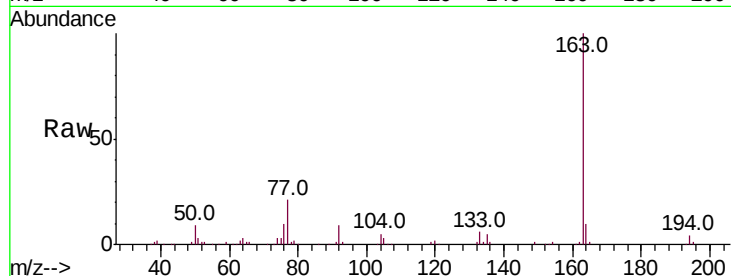




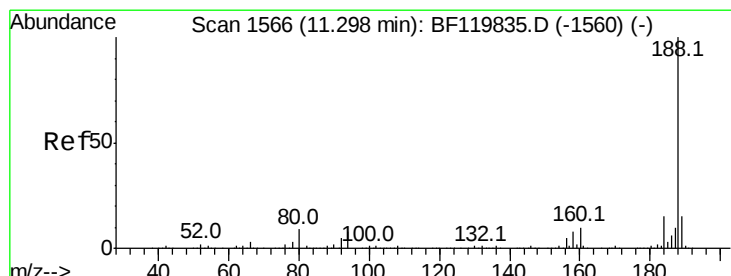
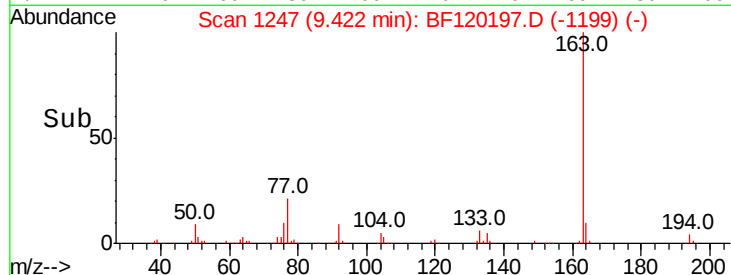
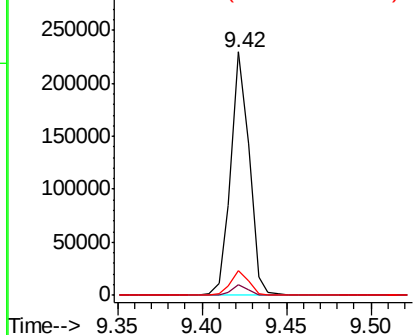
#50
Dimethylphthalate
Concen: 6.149 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Instrument :
BNA_F
ClientSampleId :
R-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	9.9	8.2	12.2

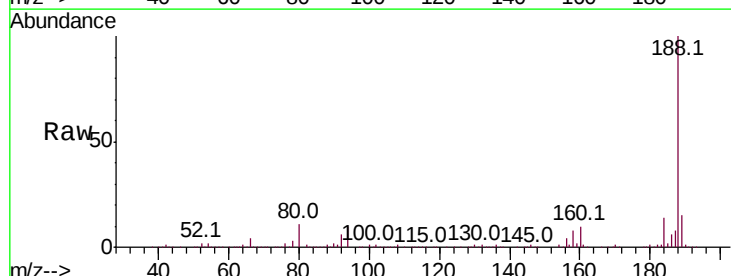


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

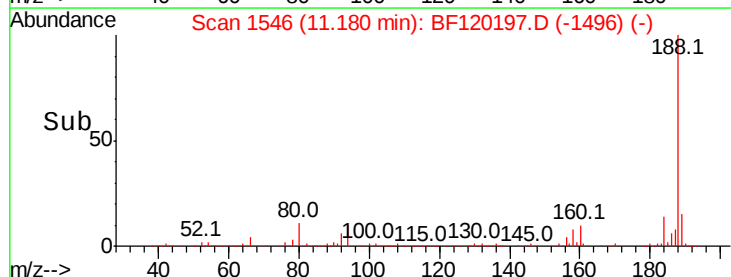
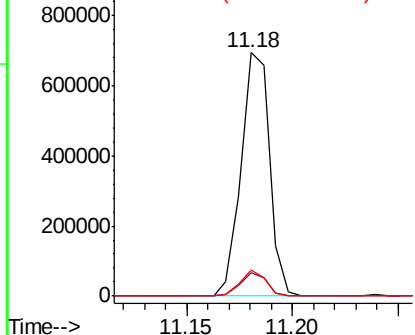


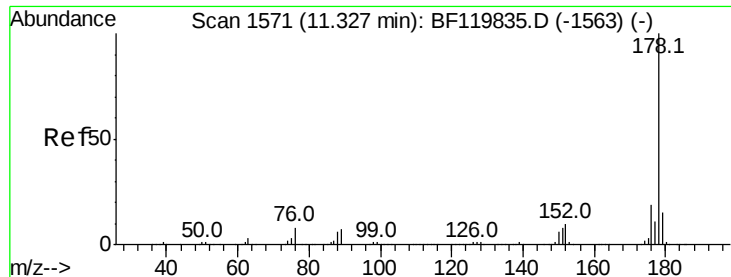
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.6	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

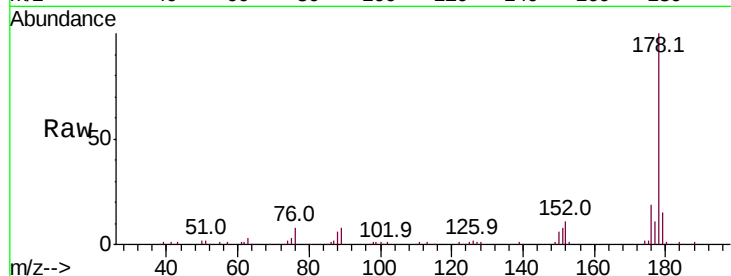




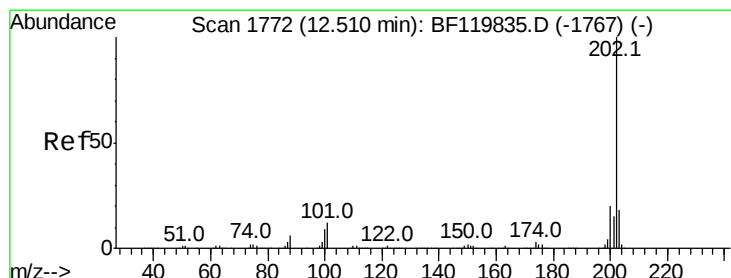
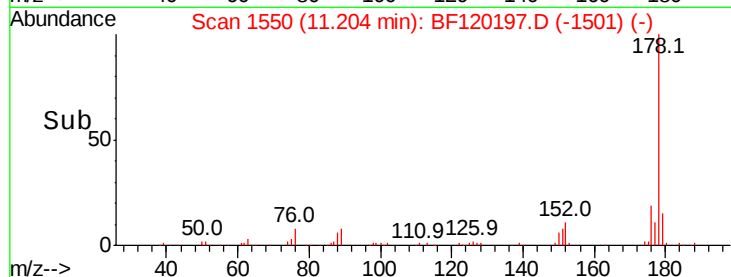
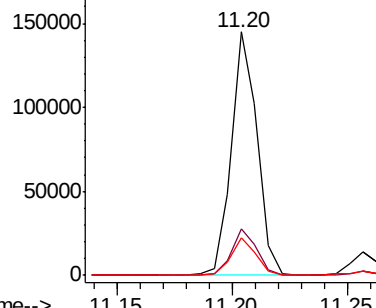
#71
Phenanthrene
Concen: 3.281 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Instrument :
BNA_F
ClientSampleId :
R-1

Tot Ion:178 Resp: 113127
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.2 13.2 19.8

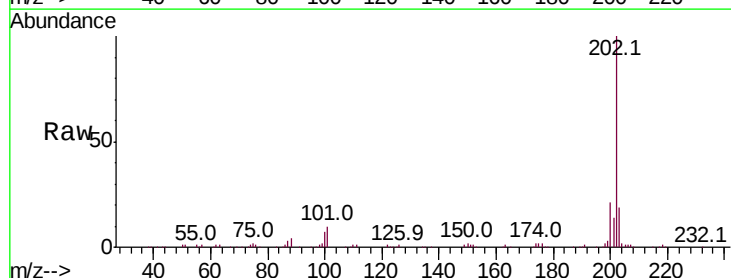


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

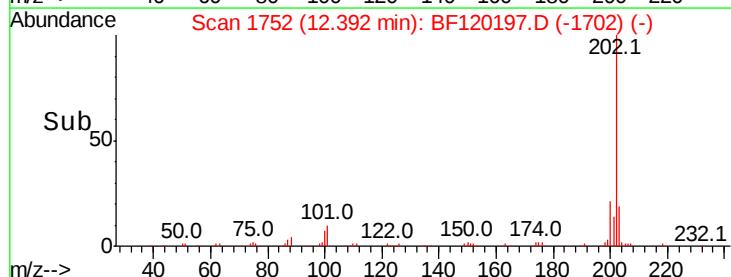
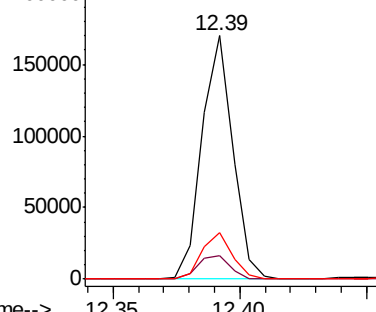


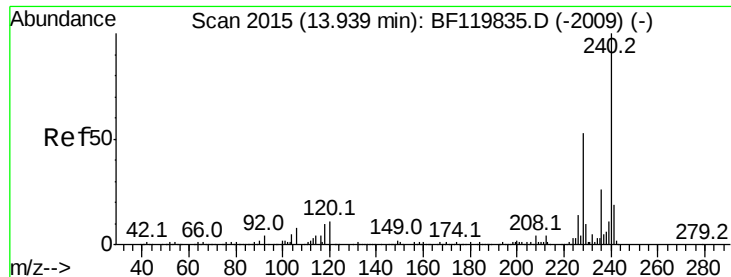
#75
Fluoranthene
Concen: 3.874 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Tgt Ion:202 Resp: 144155
Ion Ratio Lower Upper
202 100
101 9.6 0.0 32.2
203 18.9 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

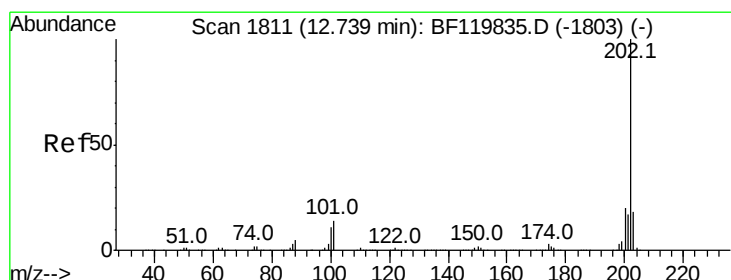
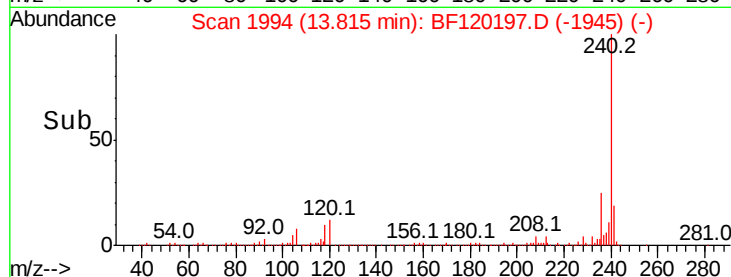
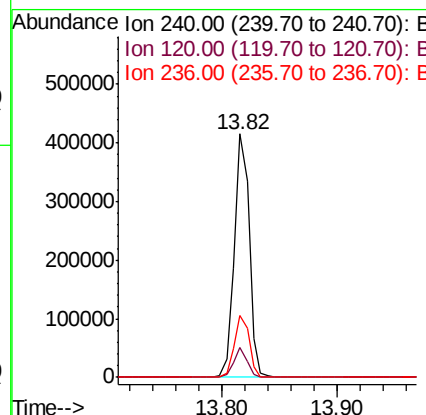
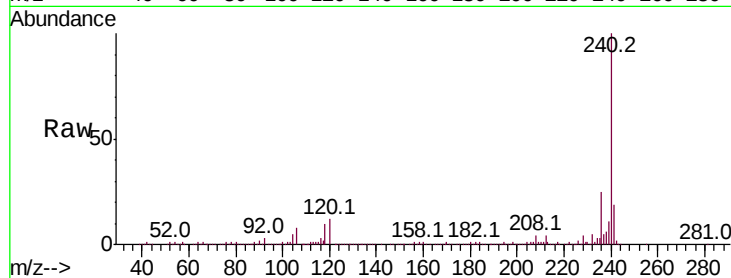




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

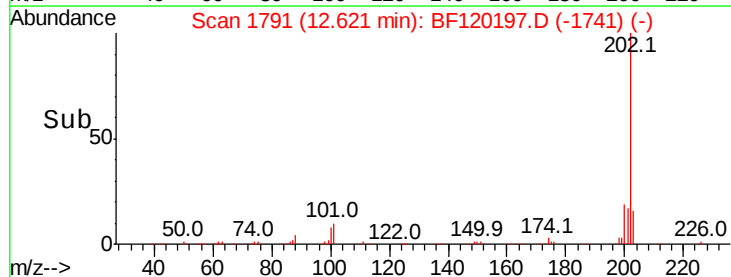
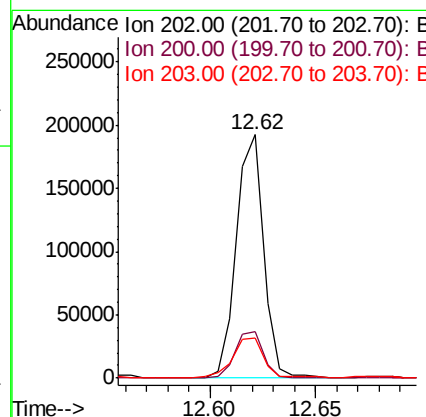
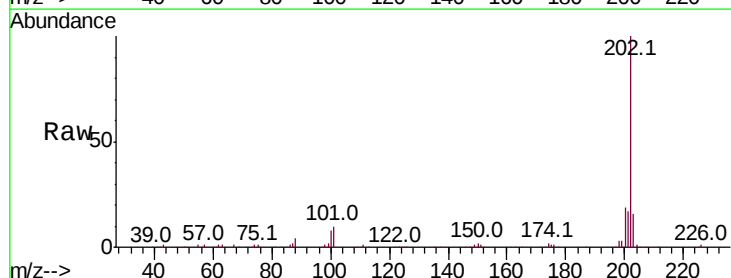
Instrument :
BNA_F
ClientSampled :
R-1

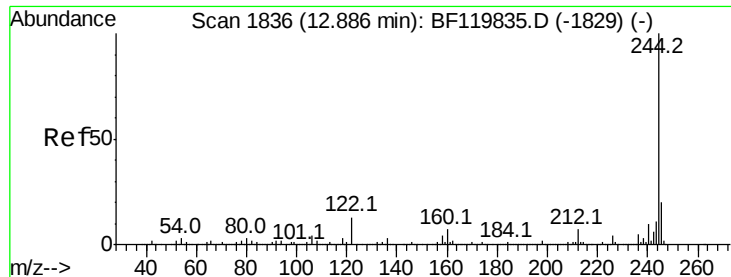
Tot Ion:240 Resp: 369990
Ion Ratio Lower Upper
240 100
120 12.0 10.6 15.8
236 25.4 20.2 30.2



#78
Pyrene
Concen: 5.497 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Tgt Ion:202 Resp: 171442
Ion Ratio Lower Upper
202 100
200 19.2 16.8 25.2
203 16.3 15.1 22.7





#79

Terphenyl-d14

Concen: 60.965 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

Instrument :

BNA_F

ClientSampleId :

R-1

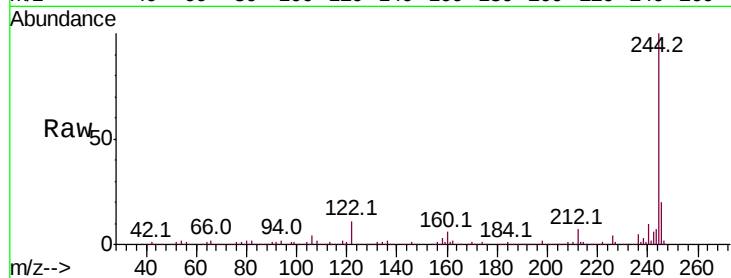
Tot Ion:244 Resp: 1340524

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

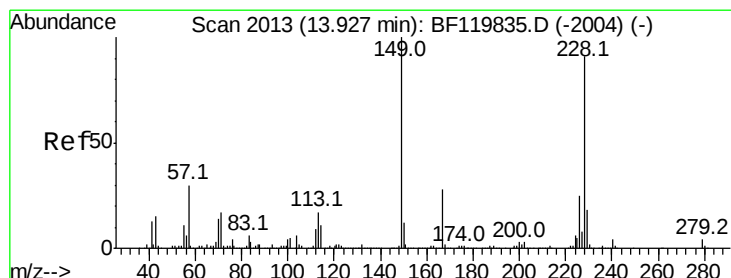
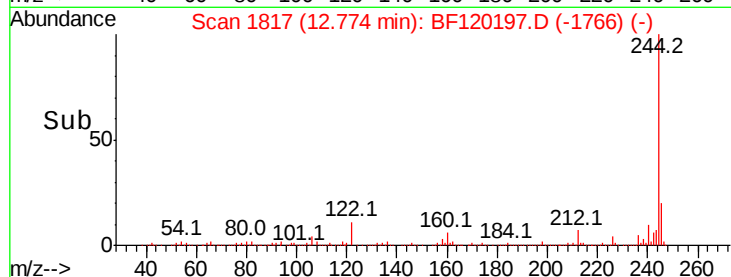
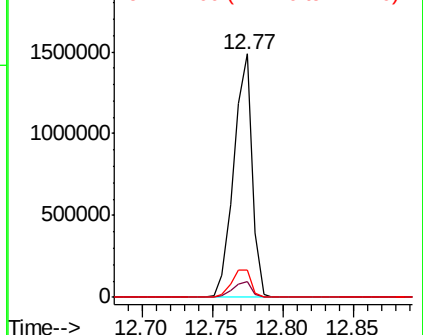
122 11.0 10.3 15.5



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: 2.018 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

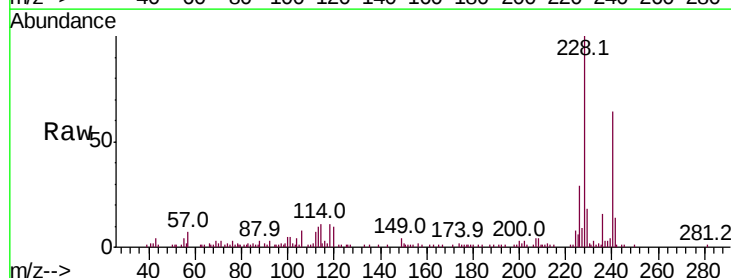
Tgt Ion:228 Resp: 49127

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

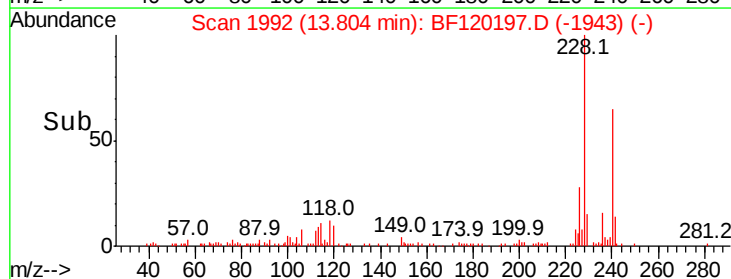
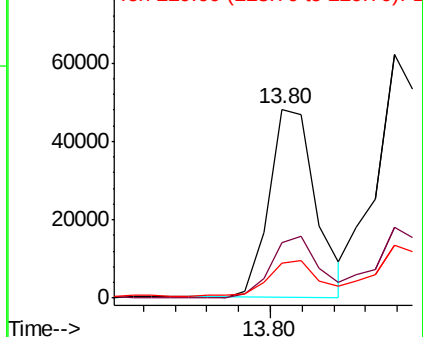
229 18.3 16.2 24.4

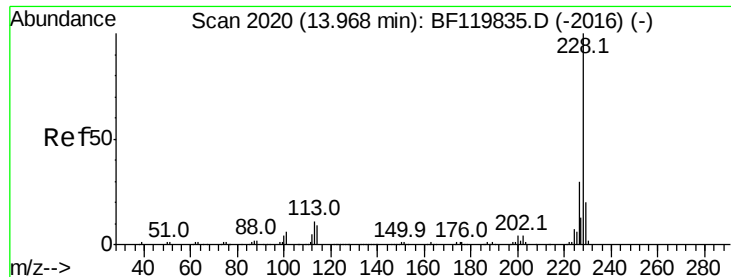


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

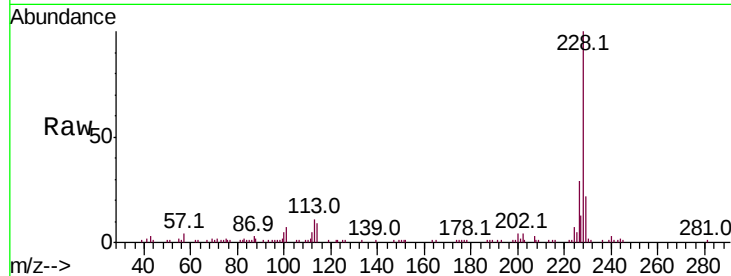




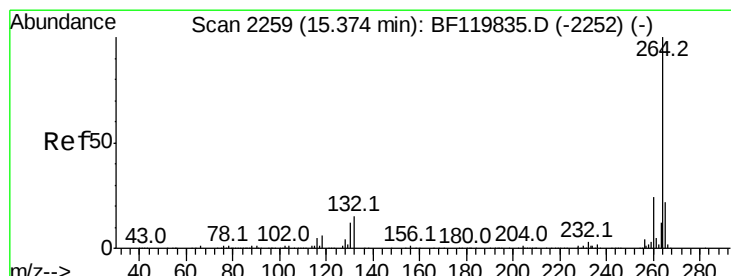
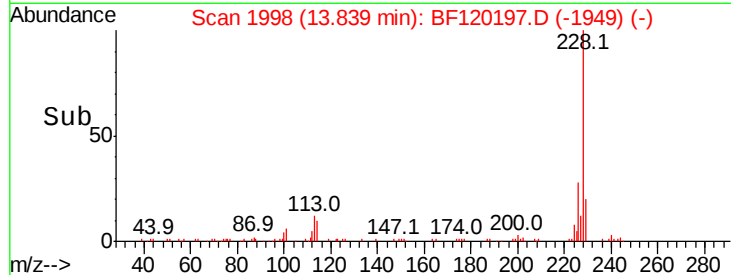
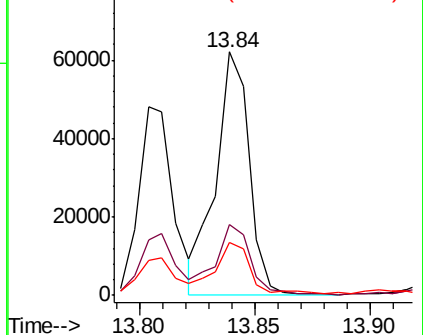
#83
Chrysene
Concen: 2.530 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Instrument :
BNA_F
ClientSampleId :
R-1

Tot Ion:228 Resp: 62572
Ion Ratio Lower Upper
228 100
226 28.9 25.4 38.0
229 21.5 16.6 24.8

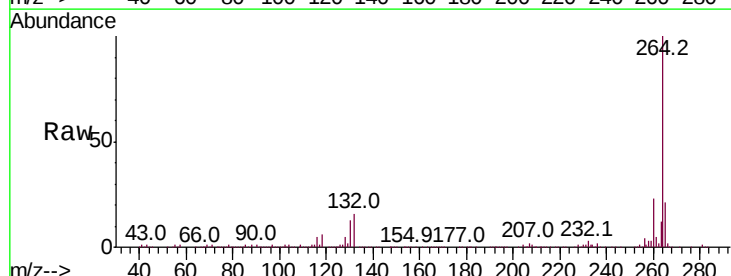


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

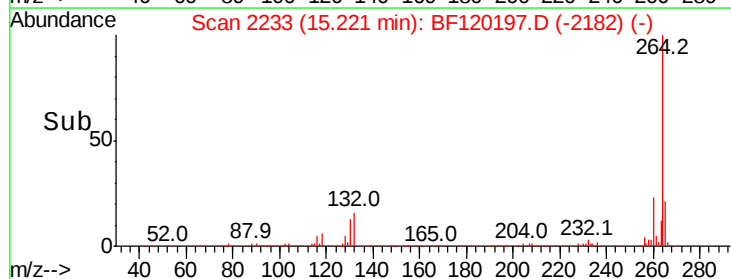
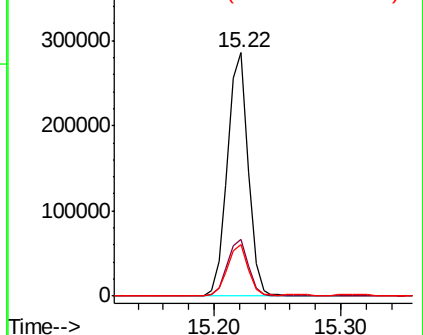


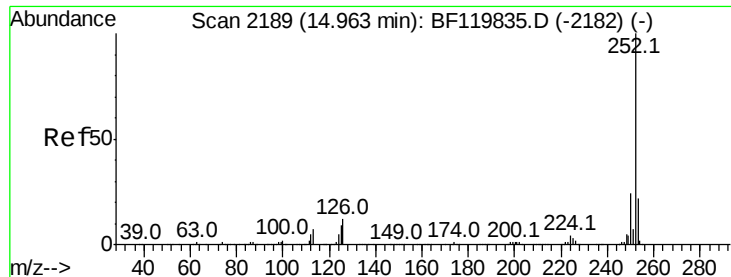
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Tgt Ion:264 Resp: 323133
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.0 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

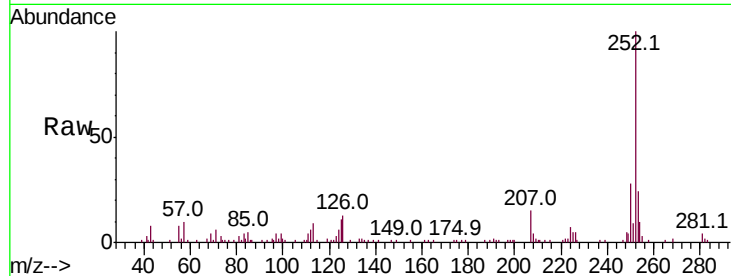




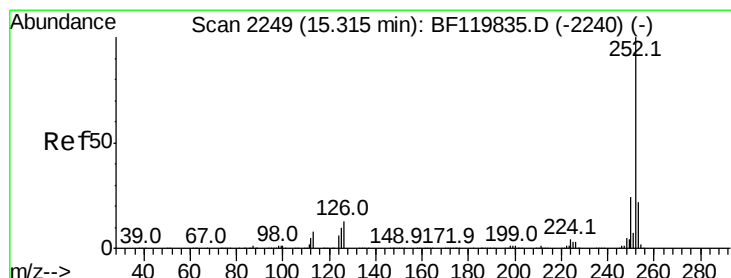
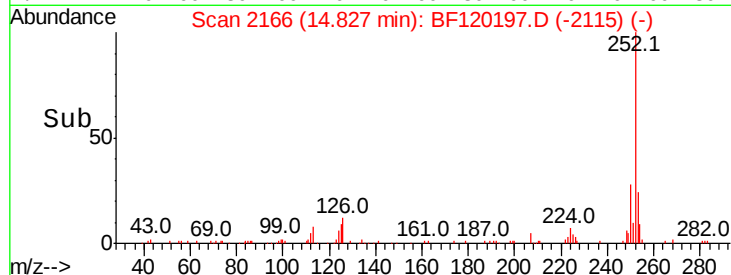
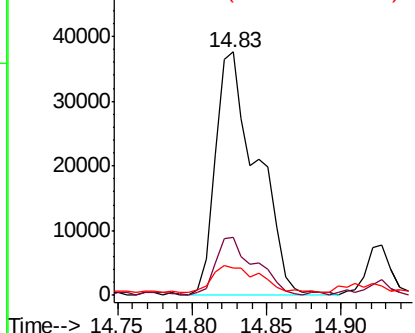
#88
Benzo(b)fluoranthene
Concen: 3.144 ng
RT: 14.83 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Instrument :
BNA_F
ClientSampled :
R-1

Tot Ion:252 Resp: 73085
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 11.2 7.9 11.9

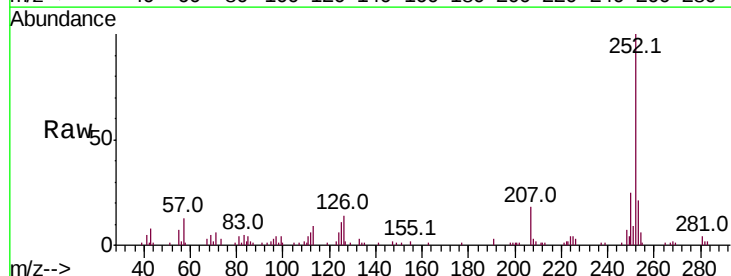


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.153 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Tgt Ion:252 Resp: 42073
Ion Ratio Lower Upper
252 100
253 21.3 18.2 27.2
125 10.8 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

