

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 13:28:21 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

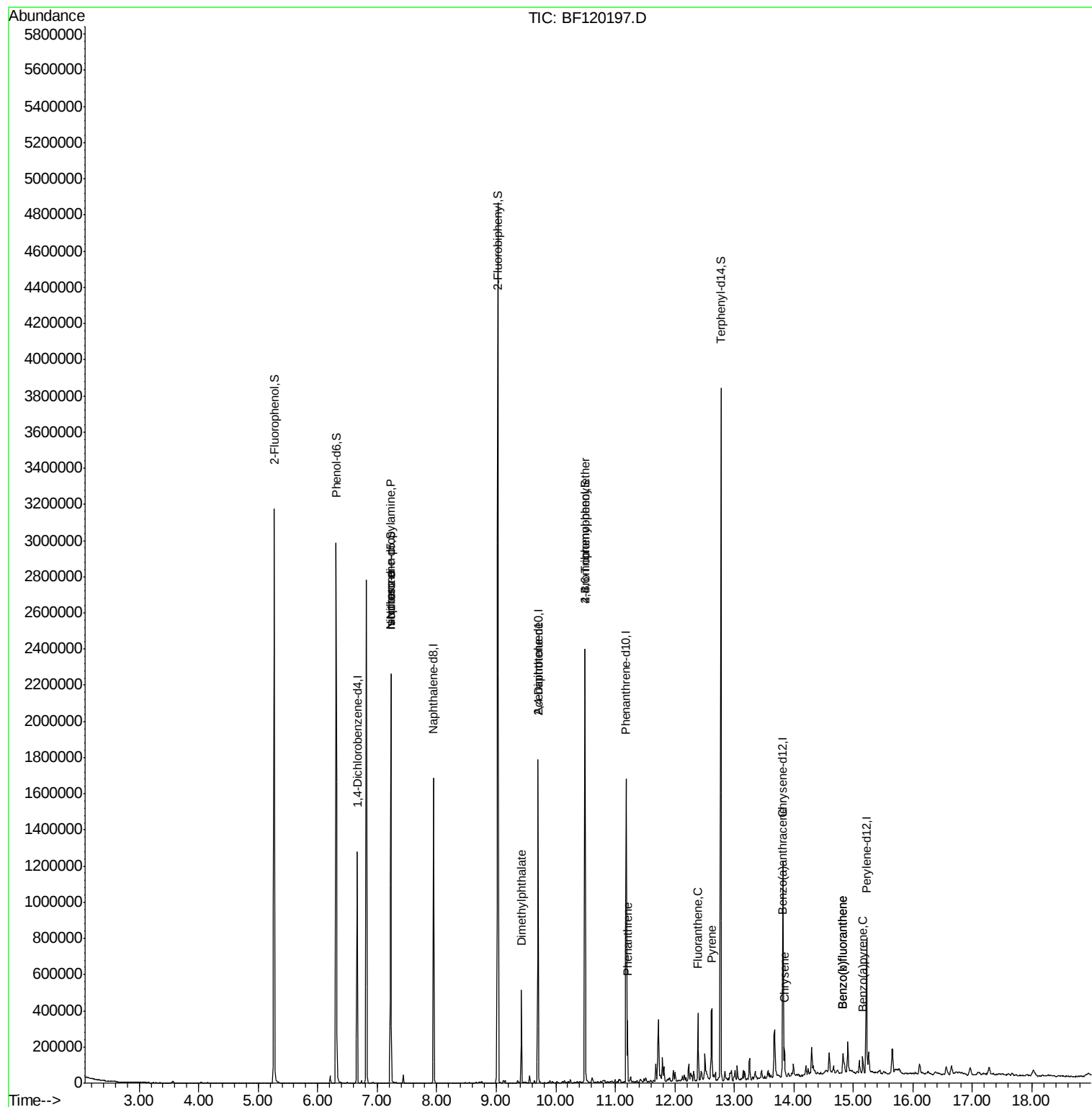
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.21	77	7657	Below Cal		98
19) n-Nitroso-di-n-propylamine	7.23	70	92356	10.626	ng	# 76
25) Isophorone	7.23	82	719908	27.024	ng	# 65
50) Dimethylphthalate	9.42	163	173975	6.149	ng	99
57) 2,4-Dinitrotoluene	9.70	165	48241	5.910	ng	# 20
67) 4-Bromophenyl-phenylether	10.49	248	17730	2.200	ng	# 1
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
89) Benzo(k)fluoranthene	14.83	252	73085	3.644	ng	97
90) Benzo(a)pyrene	15.16	252	42073	2.153	ng	97

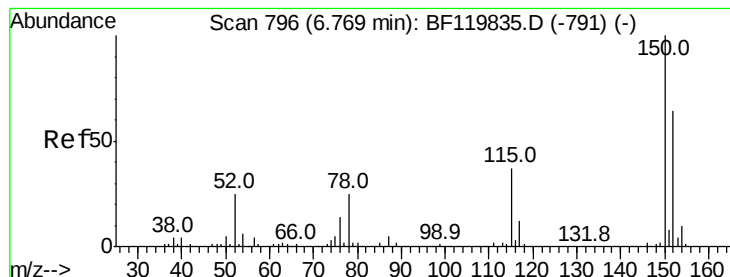
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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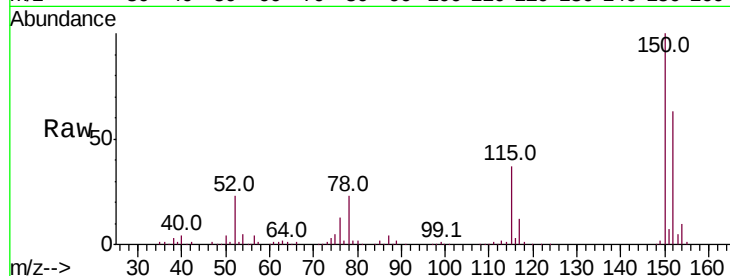


#1

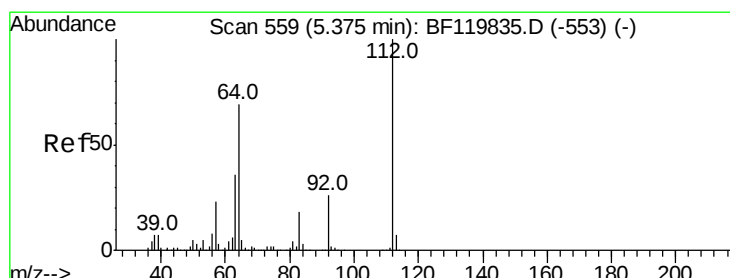
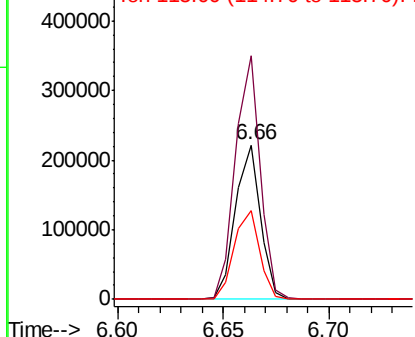
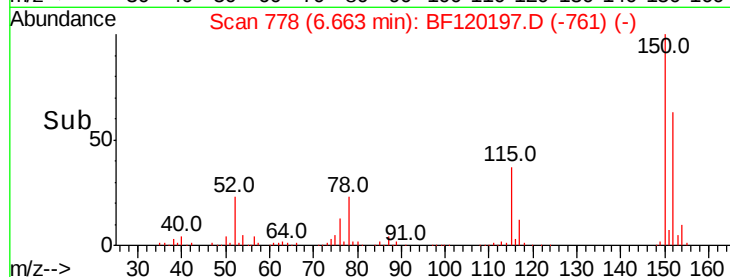
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Instrument :
BNA_F
ClientSampleId :
R-1

Tot Ion:152 Resp: 181276
Ion Ratio Lower Upper
152 100
150 158.0 124.5 186.7
115 57.9 49.6 74.4



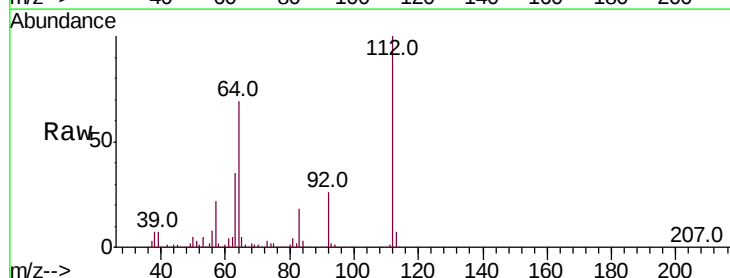
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



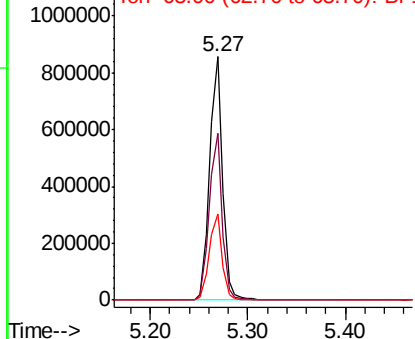
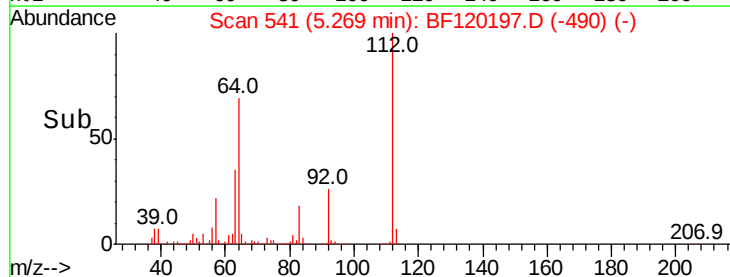
#5

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:112 Resp: 788515
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

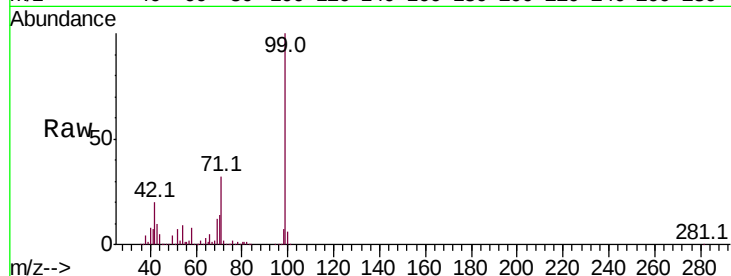
Tot Ion: 99 Resp: 1017035

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

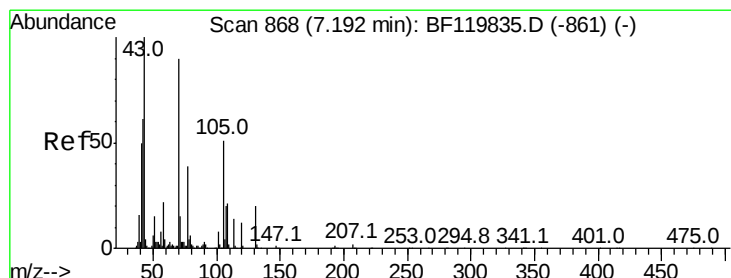
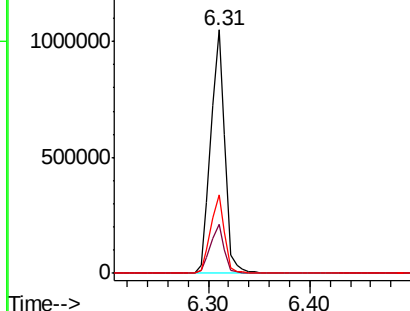
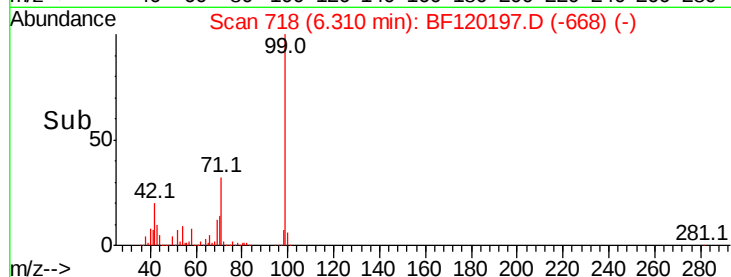
71 32.4 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.626 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

Tgt Ion: 70 Resp: 92356

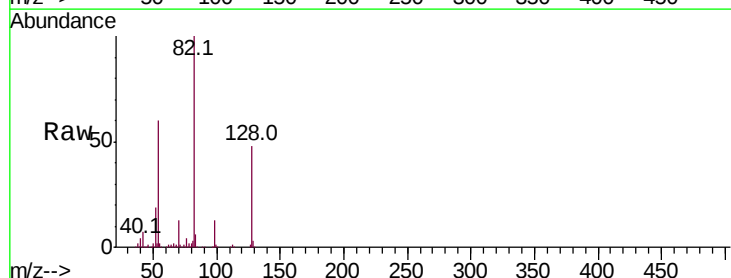
Ion Ratio Lower Upper

70 100

42 53.1 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#

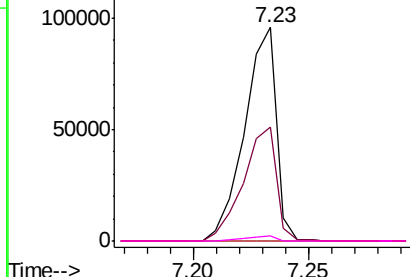
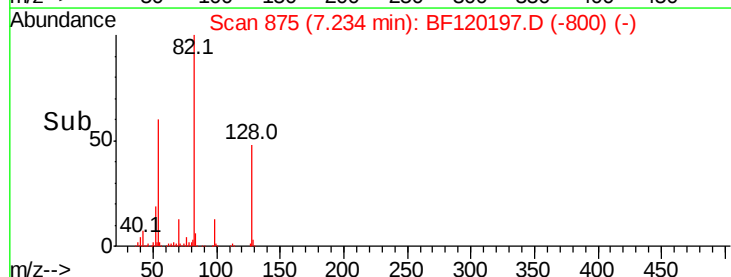


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

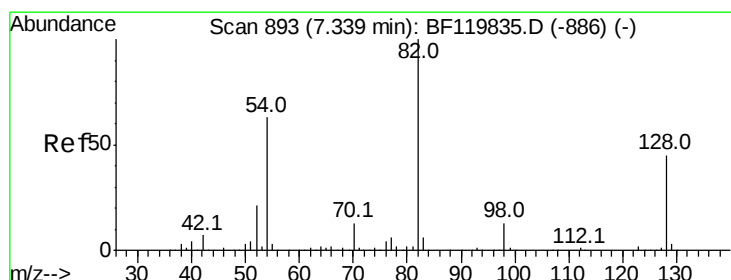
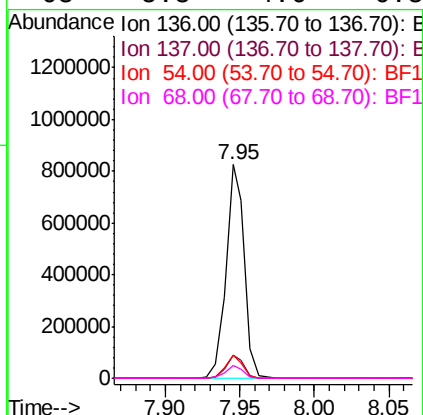
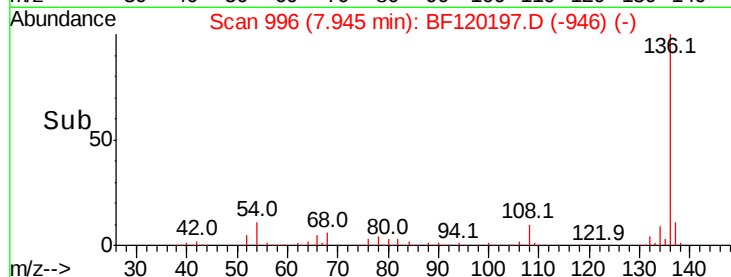
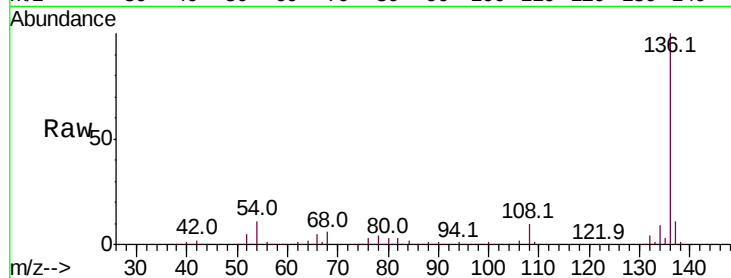




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

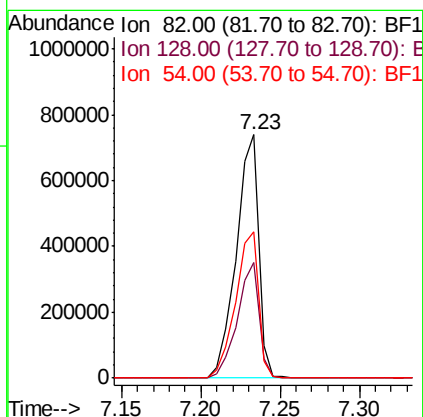
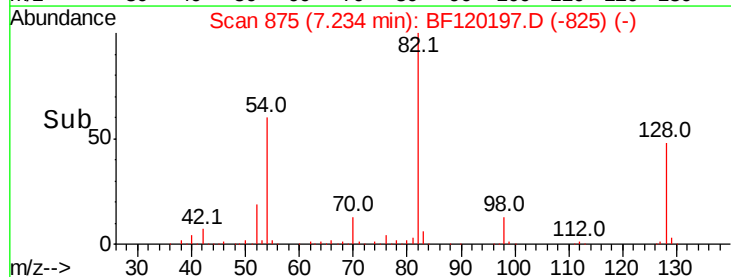
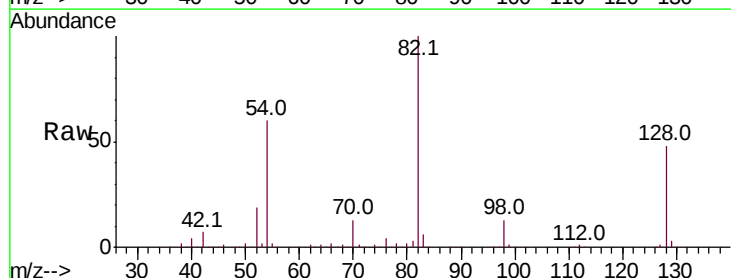
Instrument :
BNA_F
ClientSampleId :
R-1

Tot 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



#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

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





#25

Isophorone

Concen: 27.024 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

Instrument :

BNA_F

ClientSampled :

R-1

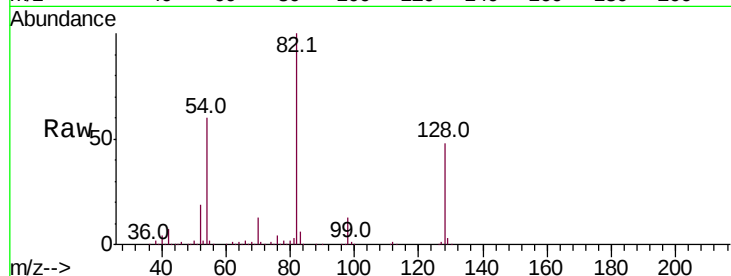
Tot Ion: 82 Resp: 719908

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

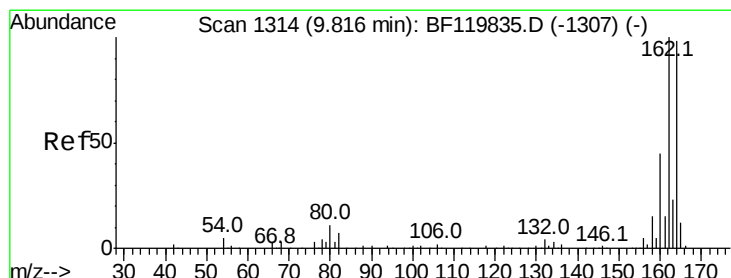
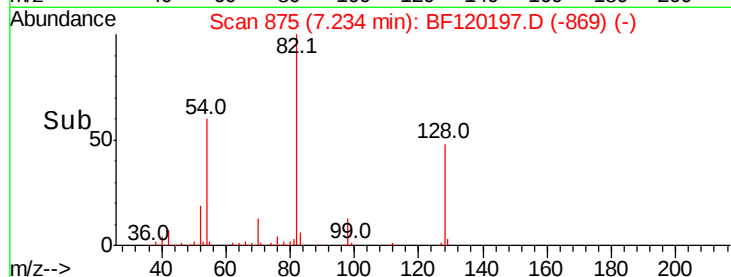
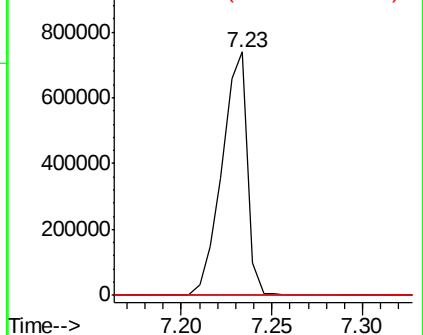
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

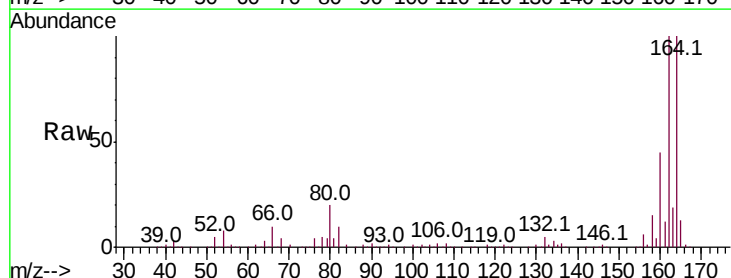
Tgt Ion:164 Resp: 365794

Ion Ratio Lower Upper

164 100

162 100.4 80.6 121.0

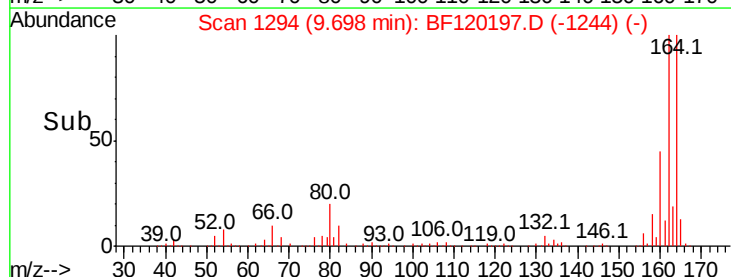
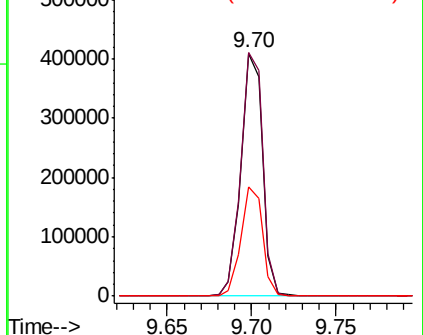
160 45.0 35.7 53.5

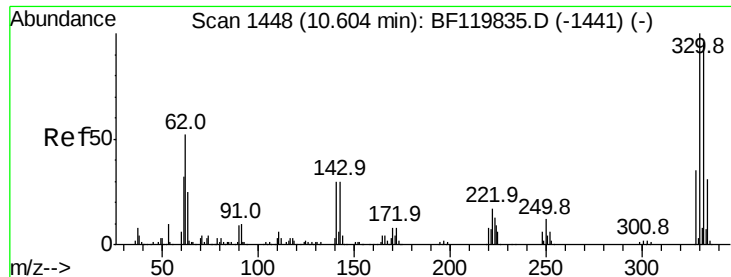


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

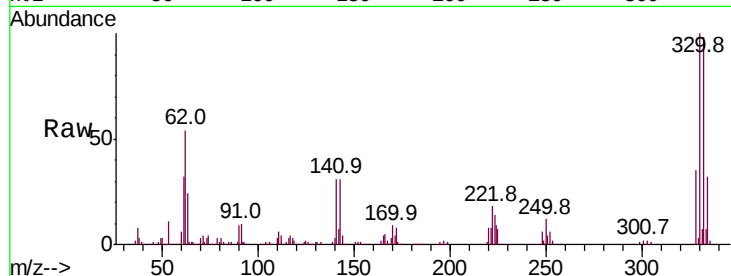




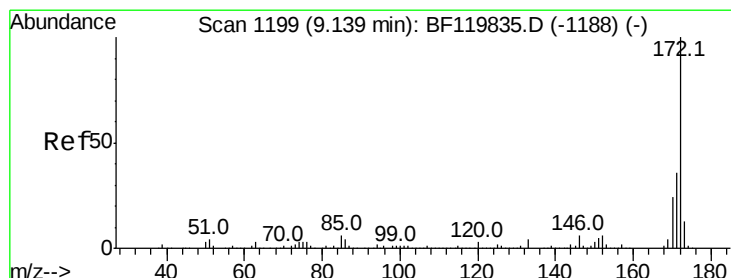
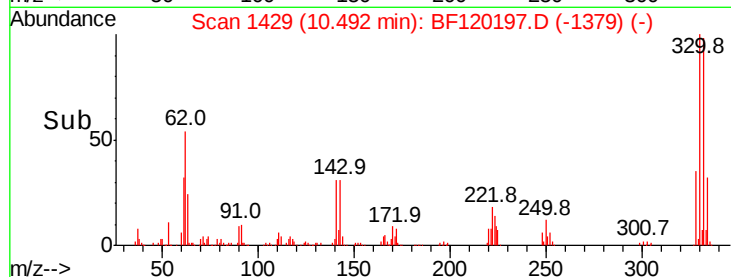
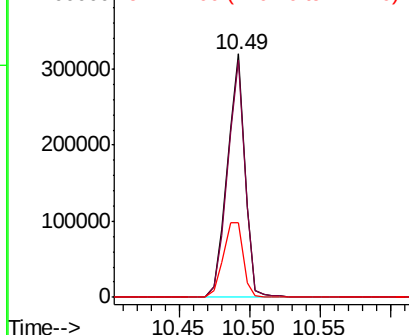
#42
 2,4,6-Tribromophenol
 Concen: 61.887 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120197.D
 Acq: 24 Apr 2020 12:56

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

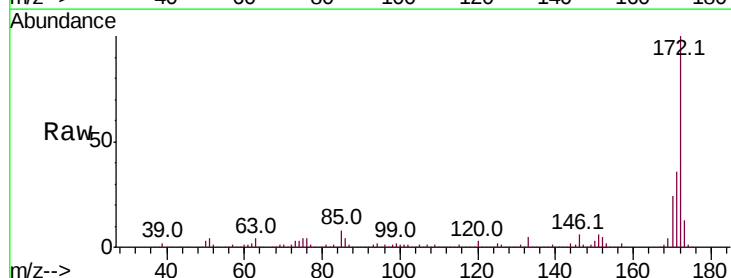


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

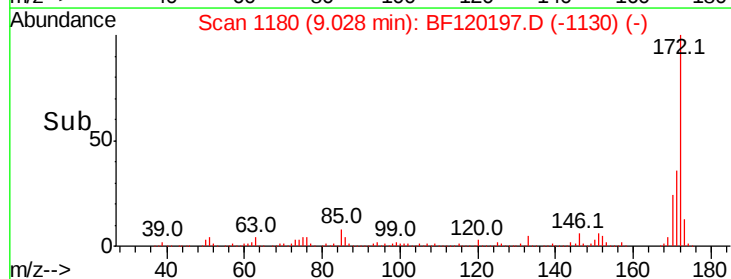
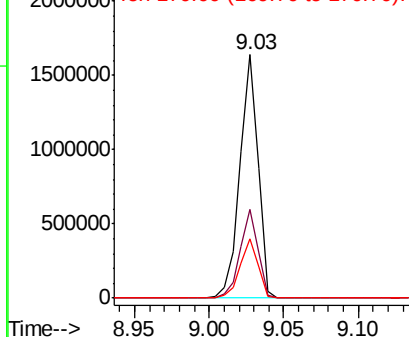


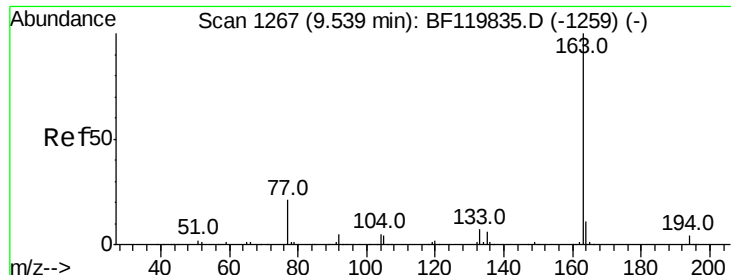
#45
 2-Fluorobiphenyl
 Concen: 54.261 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120197.D
 Acq: 24 Apr 2020 12:56

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

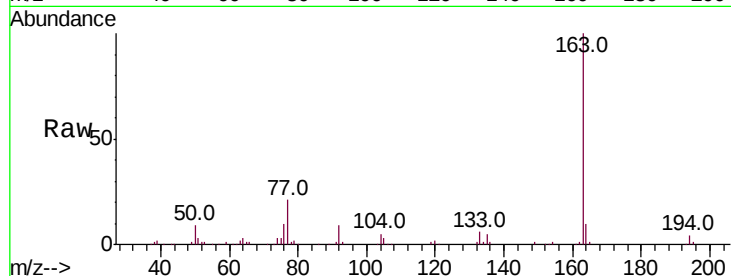
Tot Ion:163 Resp: 173975

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

164 9.9 8.2 12.2

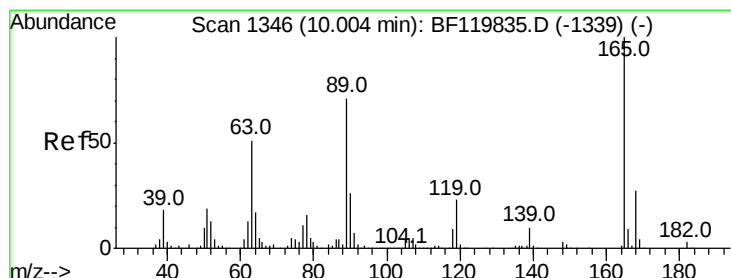
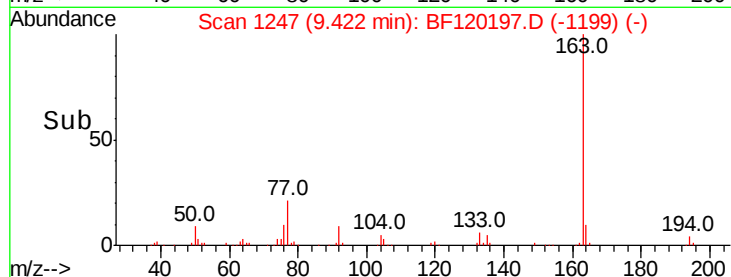
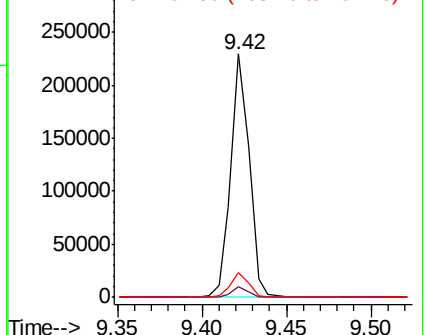


Abundance

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



#57

2,4-Dinitrotoluene

Concen: 5.910 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.21 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

Tgt Ion:165 Resp: 48241

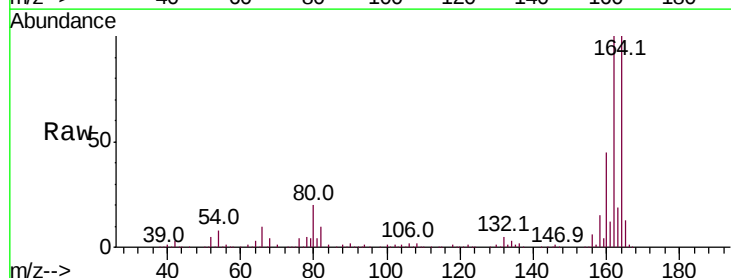
Ion Ratio Lower Upper

165 100

63 1.5 42.6 64.0#

89 1.5 61.0 91.4#

182 0.0 2.2 3.2#



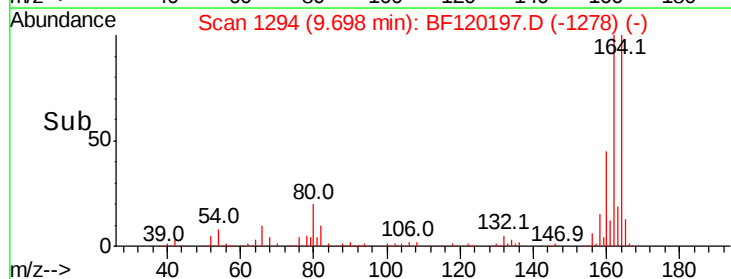
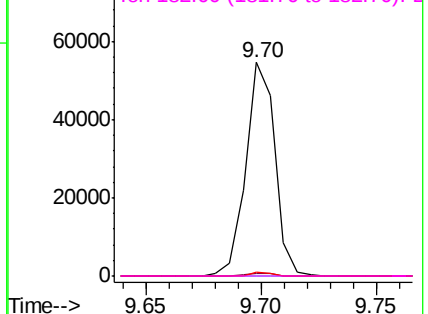
Abundance

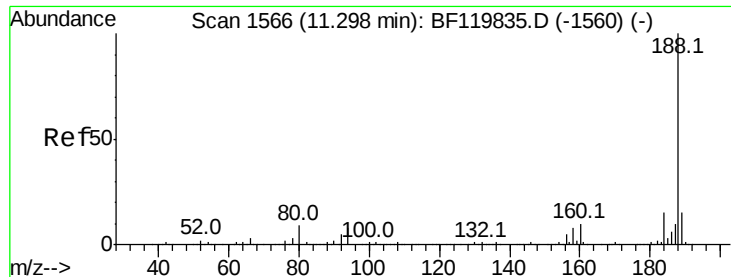
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

Instrument :

BNA_F

ClientSampleId :

R-1

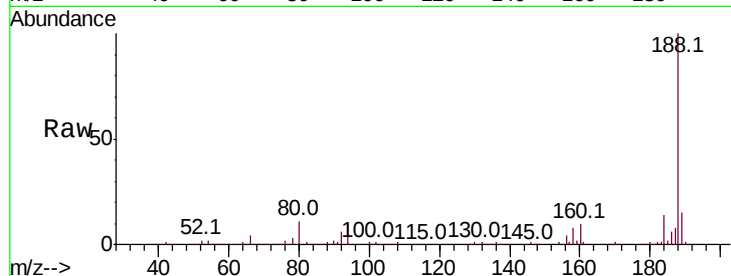
Tot Ion:188 Resp: 647914

Ion Ratio Lower Upper

188 100

94 9.7 7.5 11.3

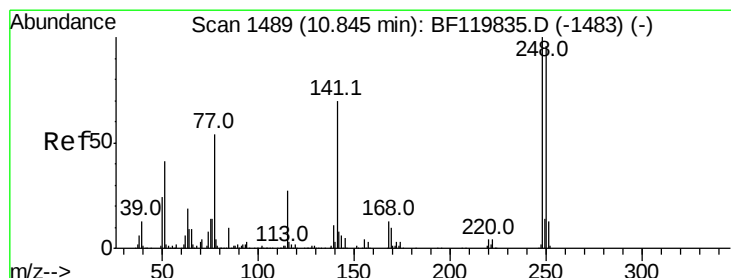
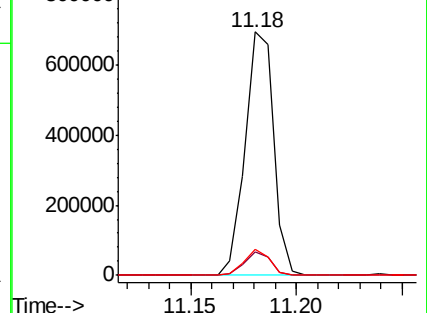
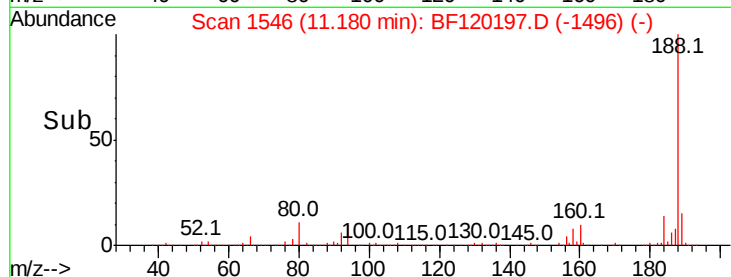
80 10.6 9.0 13.4



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



#67

4-Bromophenyl-phenylether

Concen: 2.200 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.25 min

Lab File: BF120197.D

Acq: 24 Apr 2020 12:56

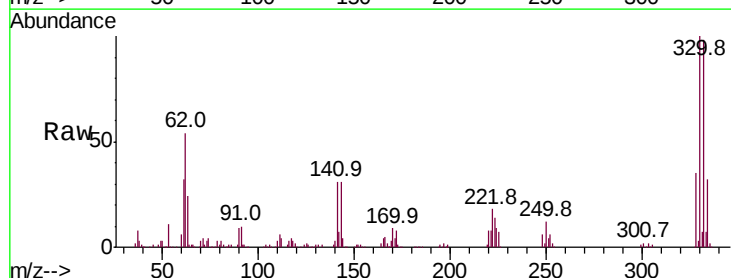
Tgt Ion:248 Resp: 17730

Ion Ratio Lower Upper

248 100

250 204.2 77.3 115.9#

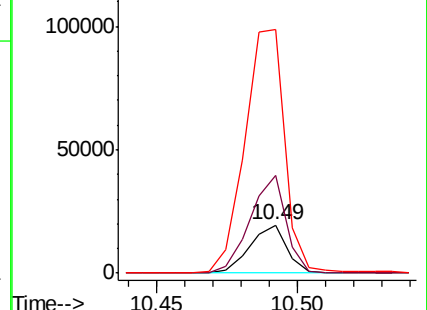
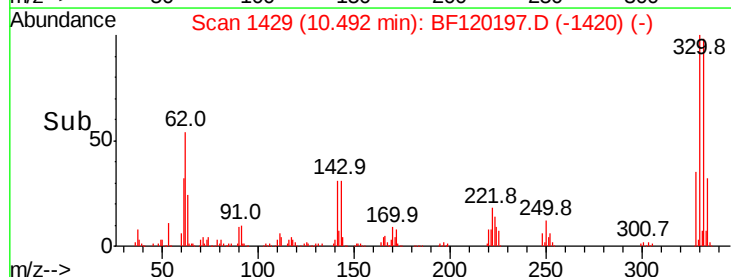
141 507.7 58.6 87.8#

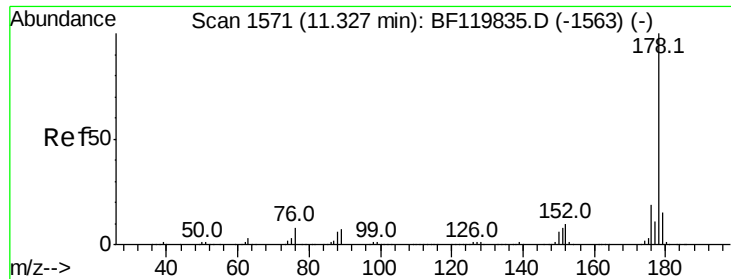


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

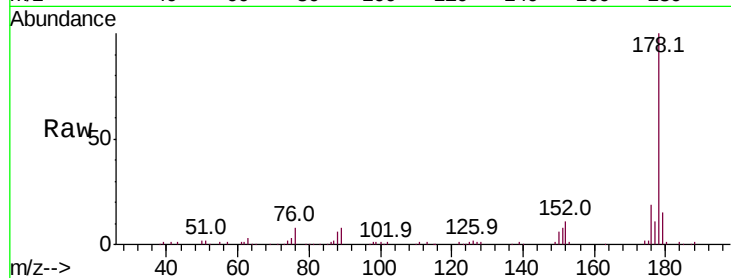




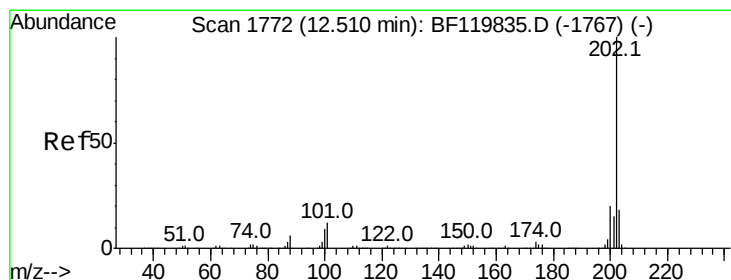
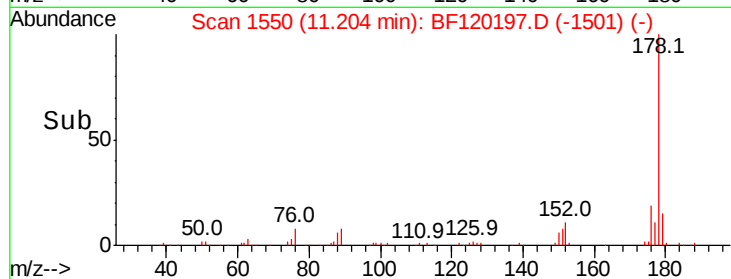
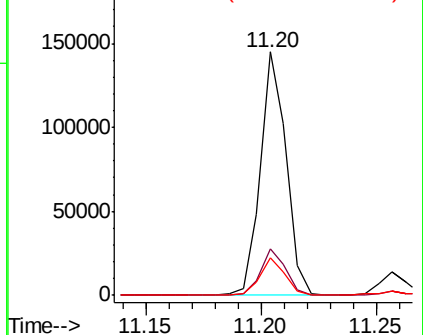
#71
Phenanthrene
Concen: 3.281 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

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

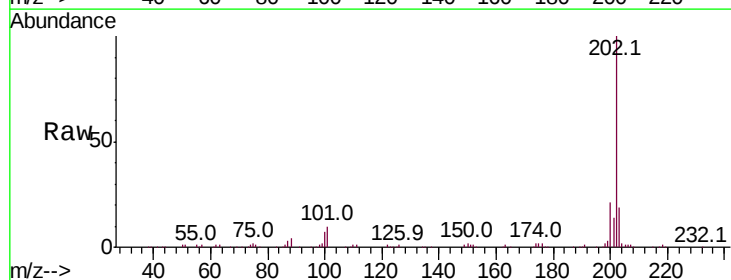


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

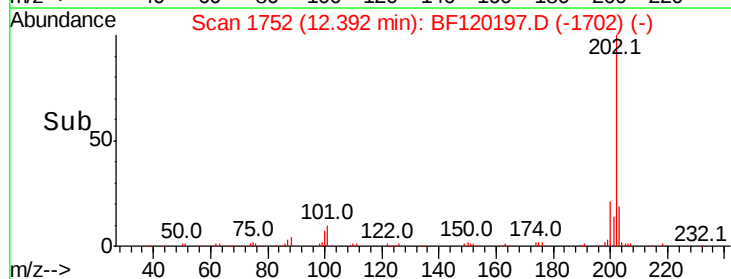
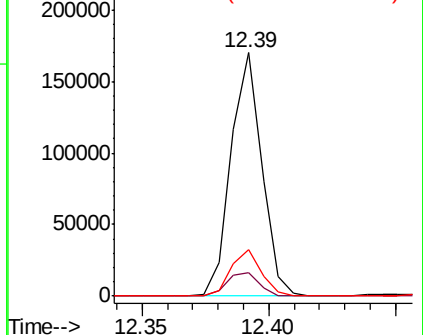


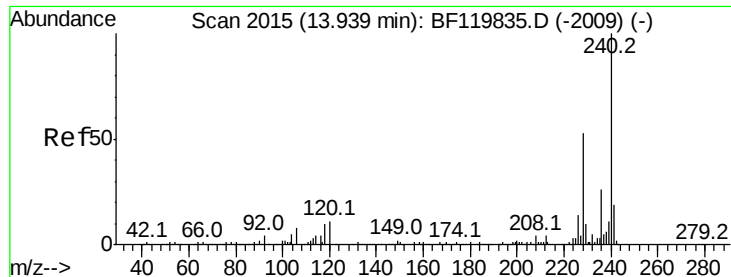
#75
Fluoranthene
Concen: 3.874 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

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

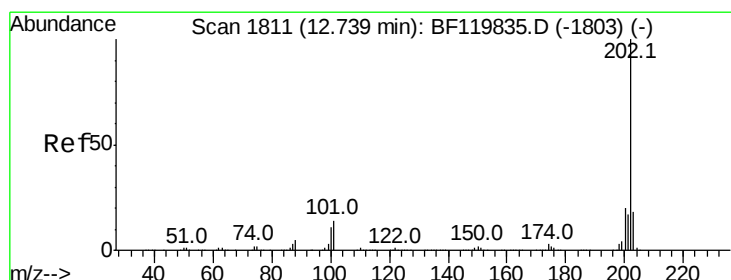
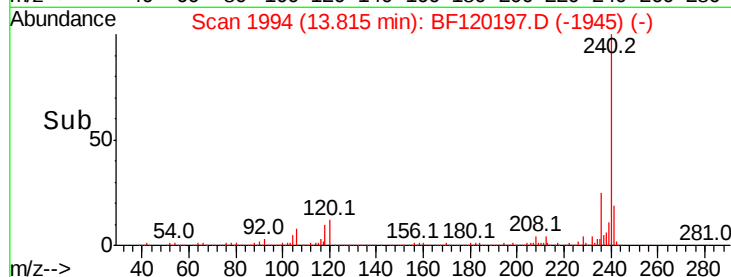
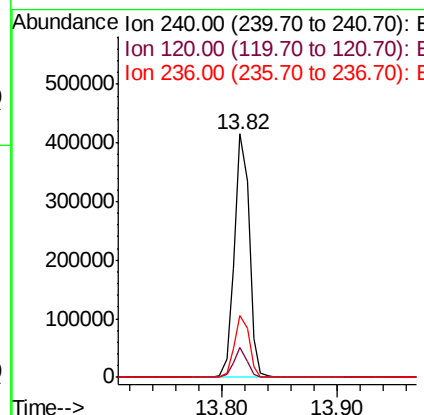
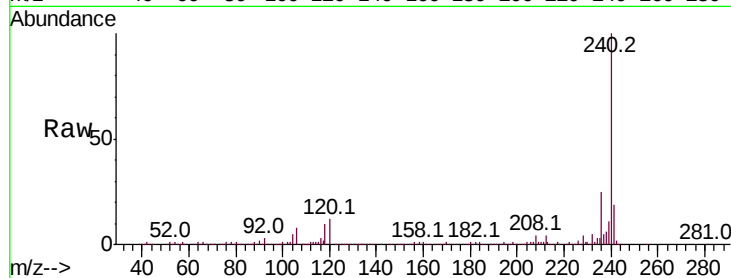




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF120197.D
 Acq: 24 Apr 2020 12:56

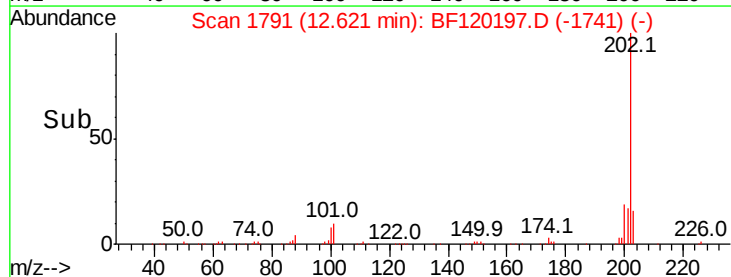
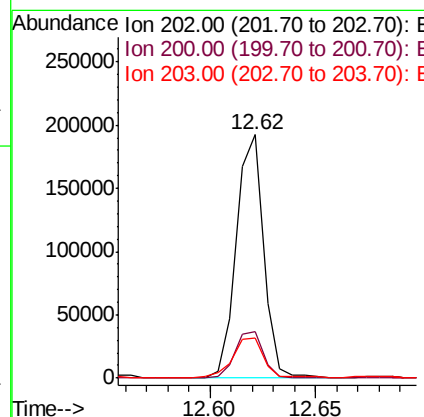
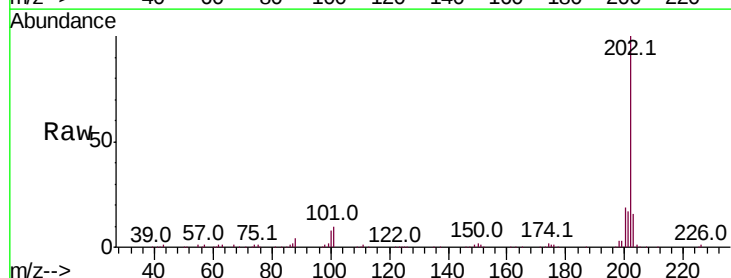
Instrument :
 BNA_F
 ClientSampled :
 R-1

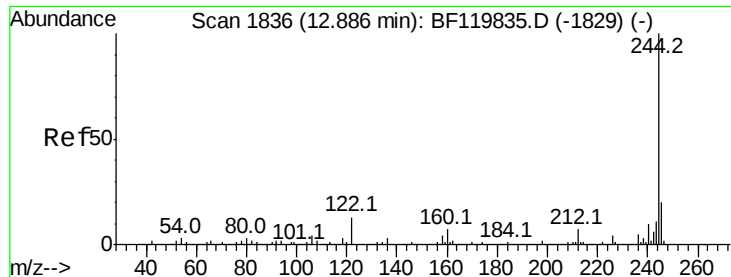
Tot Ion:240 Resp: 369990
 Ion Ratio Lower Upper
 240 100
 120 12.0 10.6 15.8
 236 25.4 20.2 30.2



#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

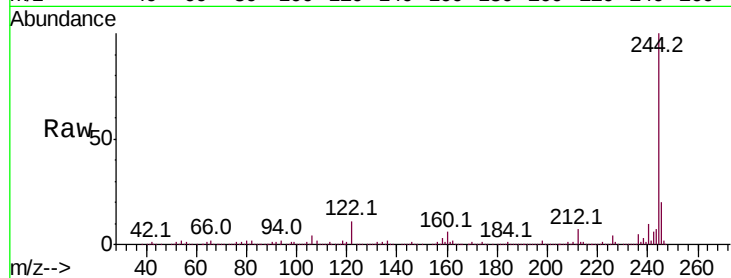
Tot Ion:244 Resp: 1340524

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

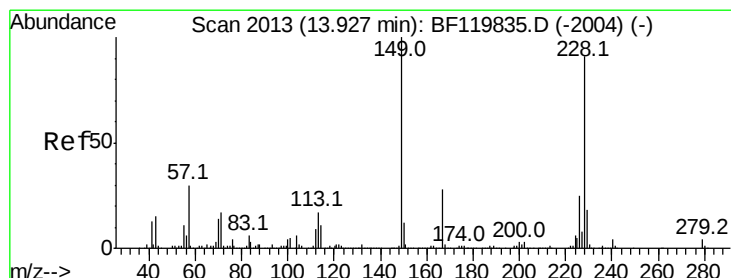
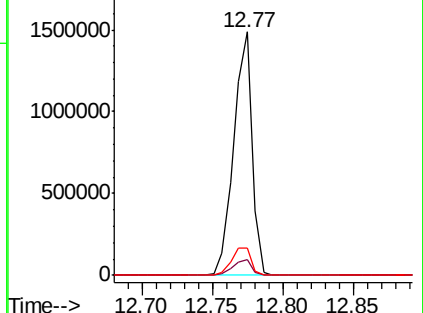
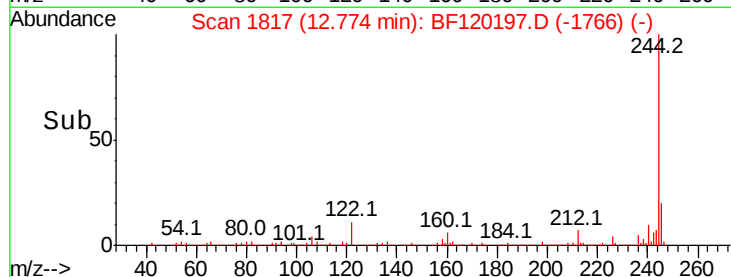
122 11.0 10.3 15.5



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

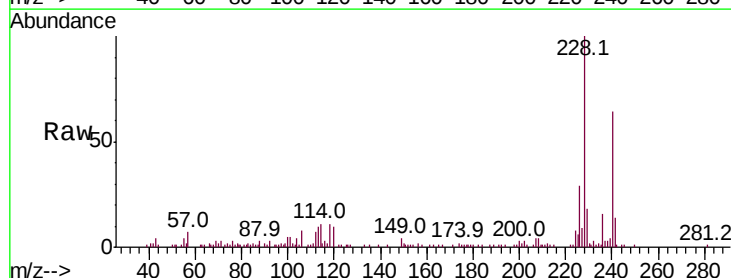
Tgt Ion:228 Resp: 49127

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

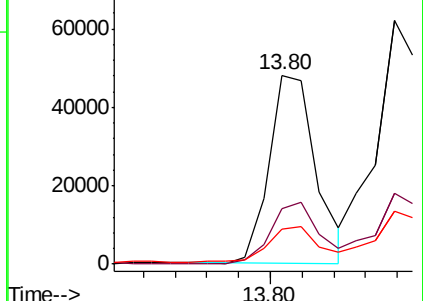
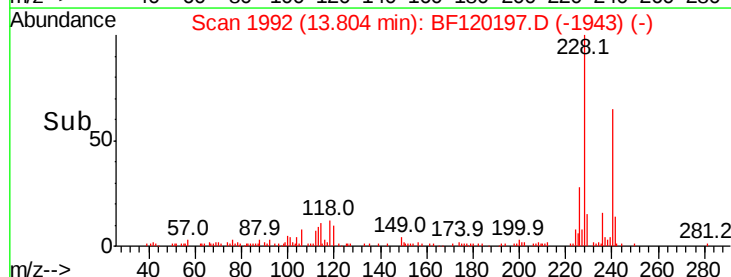
229 18.3 16.2 24.4

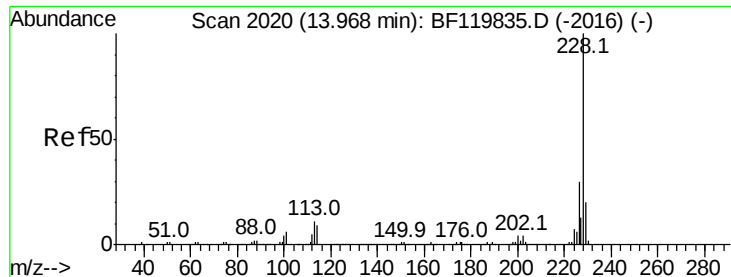


Abundance Ion 228.00 (227.70 to 228.70): E

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

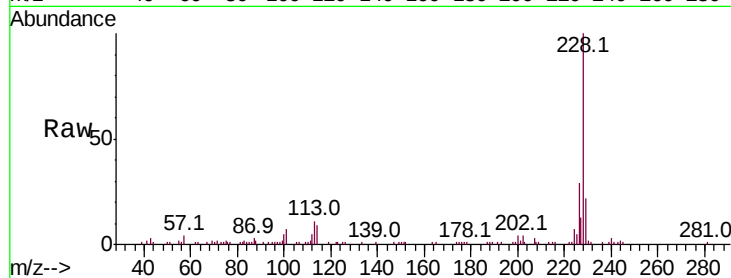
Tot Ion:228 Resp: 62572

Ion Ratio Lower Upper

228 100

226 28.9 25.4 38.0

229 21.5 16.6 24.8

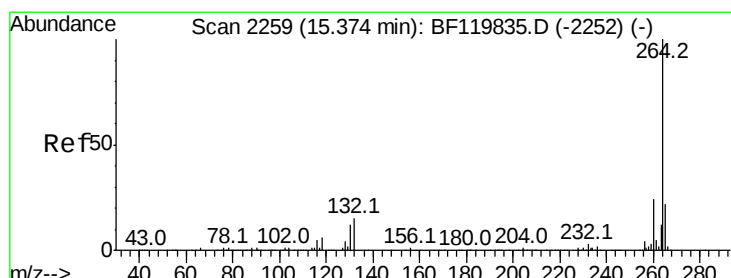
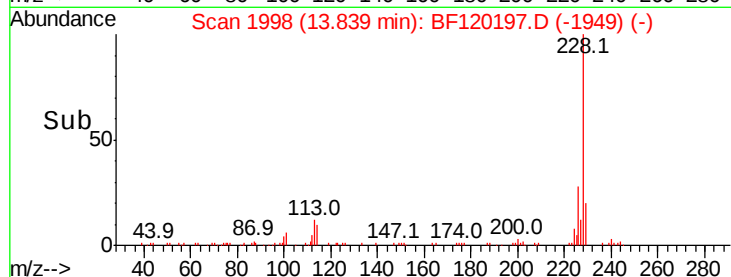
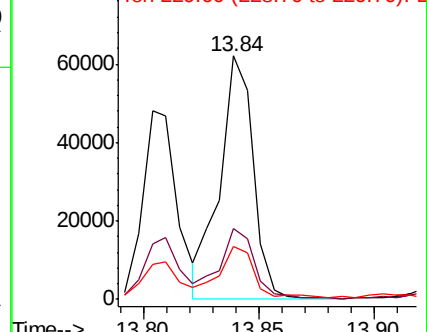


Abundance

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

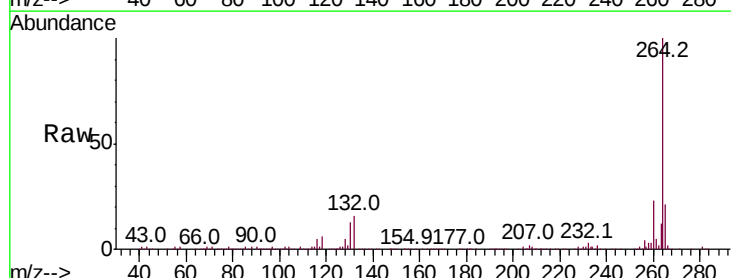
Tgt Ion:264 Resp: 323133

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.0 17.7 26.5

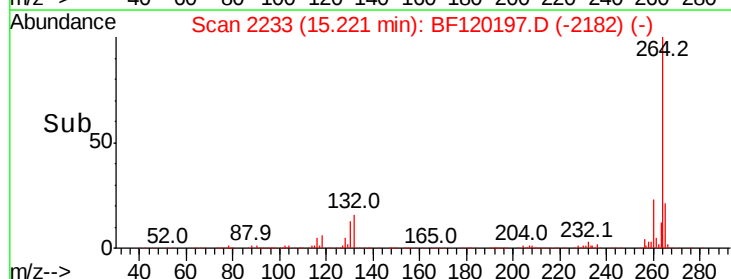
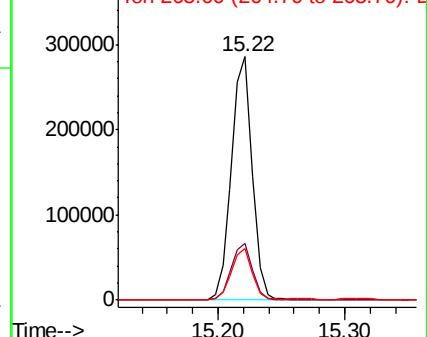


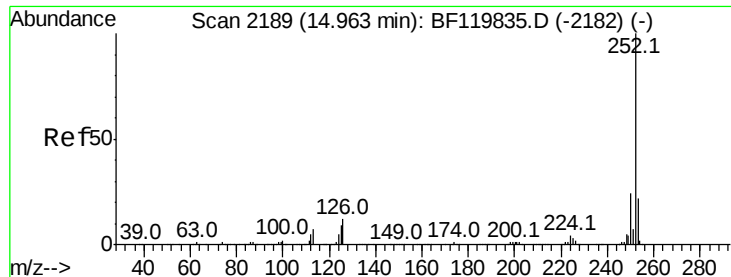
Abundance

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

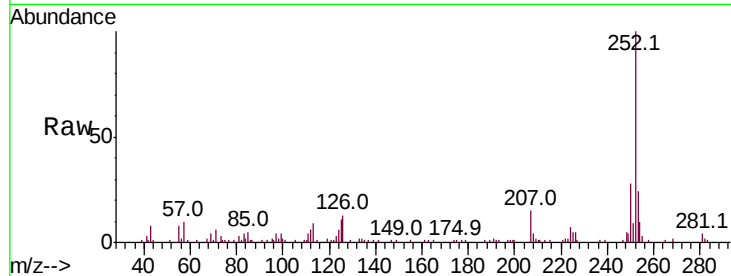




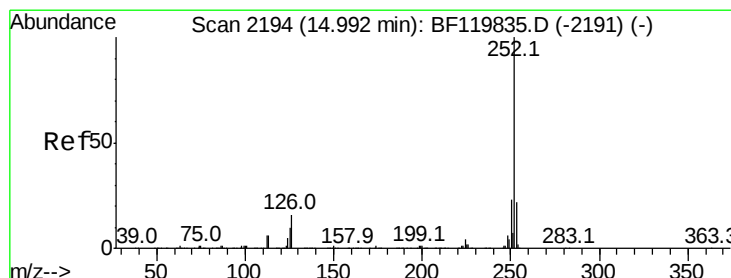
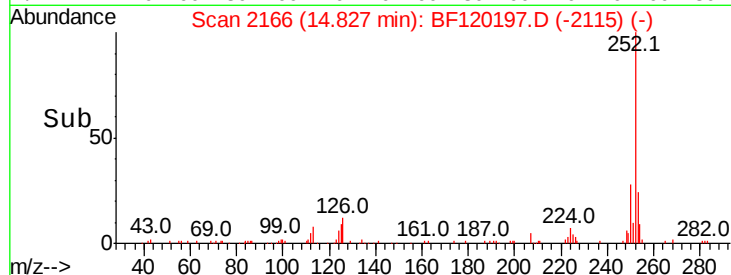
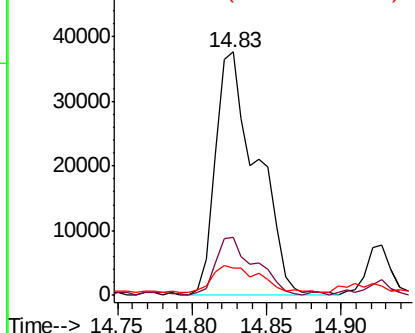
#88
Benzo(b)fluoranthene
Concen: 3.144 ng
RT: 14.83 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Instrument :
BNA_F
ClientSampleId :
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

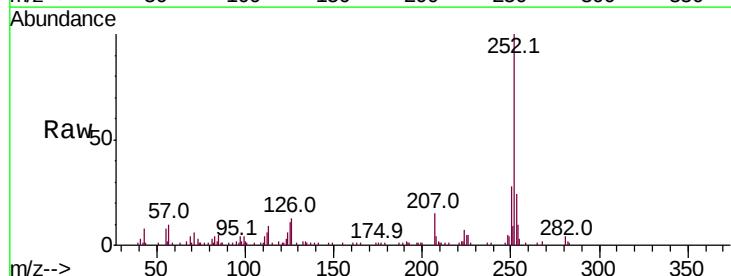


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

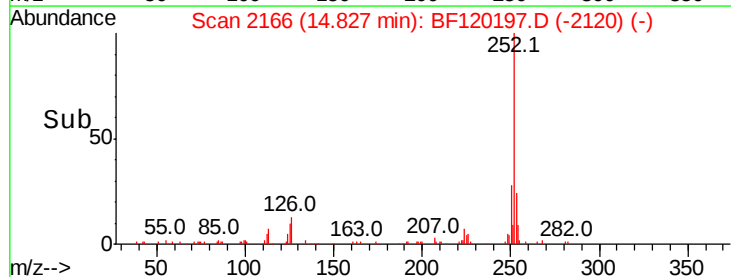
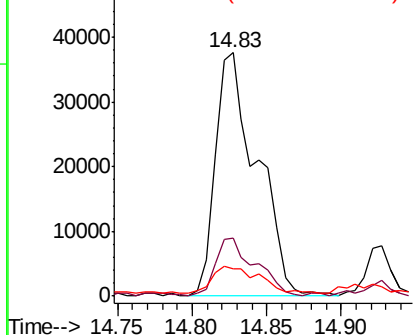


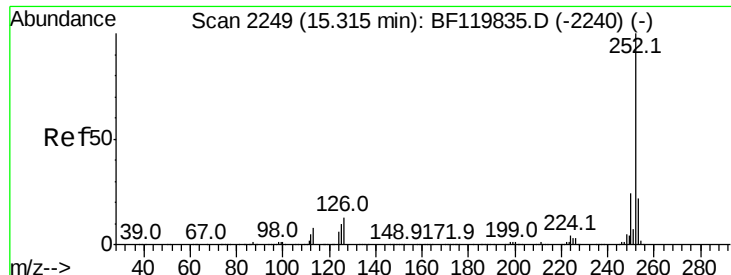
#89
Benzo(k)fluoranthene
Concen: 3.644 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.03 min
Lab File: BF120197.D
Acq: 24 Apr 2020 12:56

Tgt Ion:252 Resp: 73085
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 11.2 8.4 12.6



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





#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

Instrument :

BNA_F

ClientSampleId :

R-1

Tot Ion:252 Resp: 42073

Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.2

125 10.8 9.4 14.2

