

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119182.D
 Acq On : 2 Mar 2020 21:49
 Operator : CG/JU
 Sample : L1743-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 07:22:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

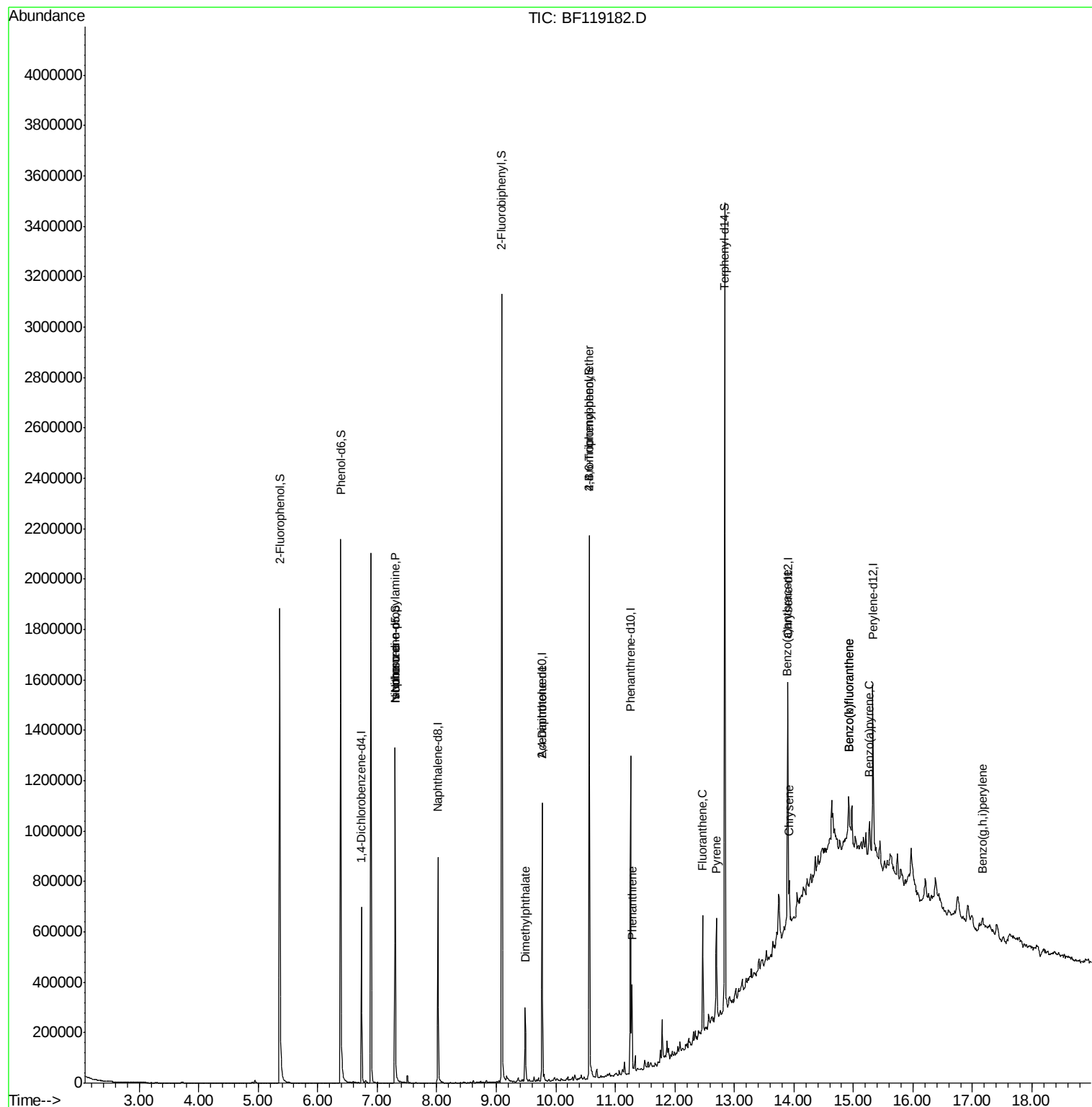
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	111263	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	439346	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	248621	20.00	ng	-0.02
64) Phenanthrene-d10	11.26	188	432776	20.00	ng	0.00
76) Chrysene-d12	13.90	240	299052	20.00	ng	0.00
87) Perylene-d12	15.33	264	249764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	618299	92.87	ng	0.00
7) Phenol-d6	6.39	99	761759	94.08	ng	-0.02
23) Nitrobenzene-d5	7.30	82	488694	58.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	276567	85.04	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1054475	62.48	ng	-0.02
79) Terphenyl-d14	12.84	244	1117576	64.34	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	67718	14.353	ng	# 75
25) Isophorone	7.30	82	484055	33.496	ng	# 63
50) Dimethylphthalate	9.49	163	119927	6.308	ng	99
57) 2,4-Dinitrotoluene	9.77	165	31130	5.686	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	18428	3.258	ng	# 1
71) Phenanthrene	11.28	178	119133	5.048	ng	99
75) Fluoranthene	12.47	202	174544	6.967	ng	99
78) Pyrene	12.70	202	157877	6.575	ng	97
81) Benzo(a)anthracene	13.89	228	75270	3.694	ng	97
83) Chrysene	13.92	228	68311	3.365	ng	97
88) Benzo(b)fluoranthene	14.92	252	103014	6.257	ng	# 79
89) Benzo(k)fluoranthene	14.92	252	103014	6.752	ng	# 78
90) Benzo(a)pyrene	15.27	252	49070	3.303	ng	# 76
92) Benzo(a,h,i)perylene	17.17	276	29001	2.245	ng	# 80

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
Data File : BF119182.D
Acq On : 2 Mar 2020 21:49
Operator : CG/JU
Sample : L1743-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 03 07:22:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
Response via : Initial Calibration



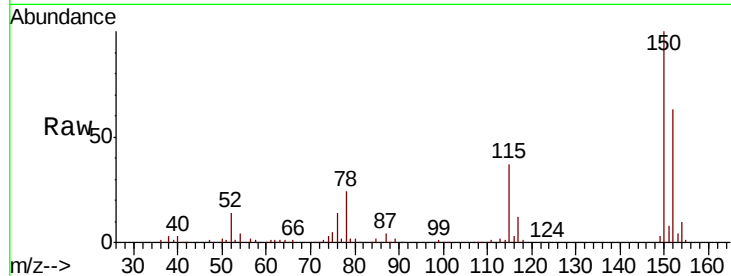


#1

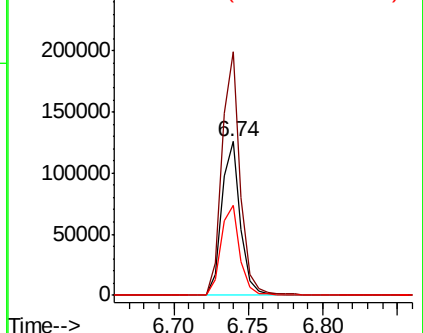
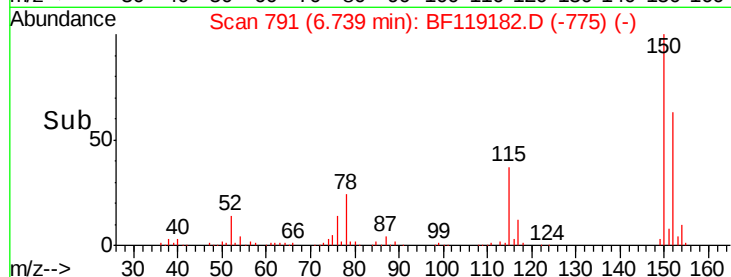
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111263
Ion Ratio Lower Upper
152 100
150 158.2 123.0 184.6
115 58.2 49.5 74.3



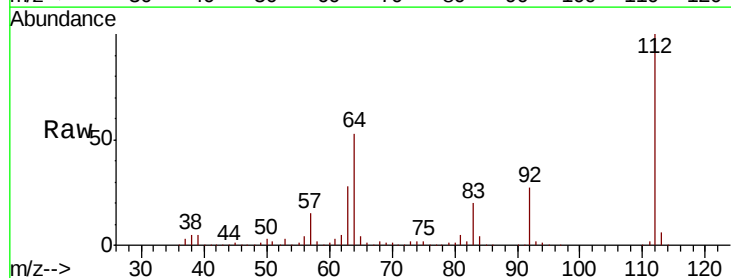
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



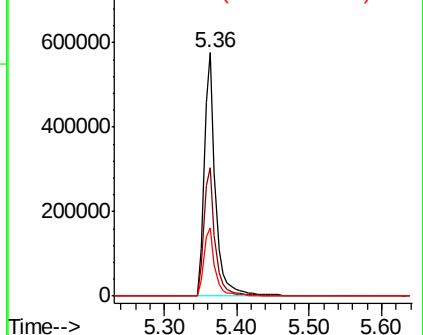
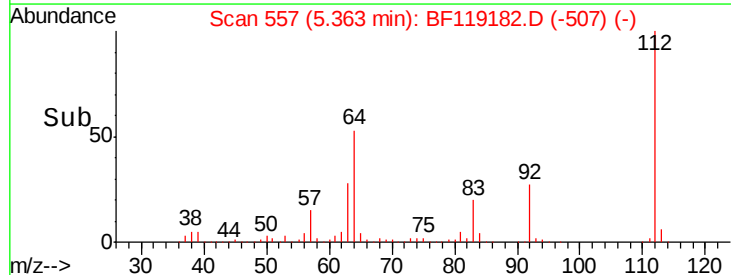
#5

2-Fluorophenol
Concen: 92.869 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion:112 Resp: 618299
Ion Ratio Lower Upper
112 100
64 52.6 45.0 67.4
63 27.8 24.2 36.4



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: 94.078 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

Instrument :

BNA_F

ClientSampleId :

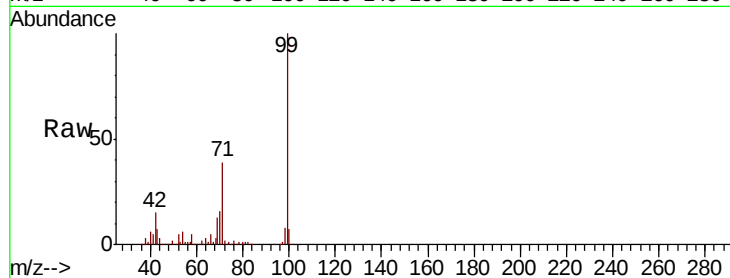
Tot Ion: 99 Resp: 761759

Ion Ratio Lower Upper

99 100

42 14.8 12.6 18.8

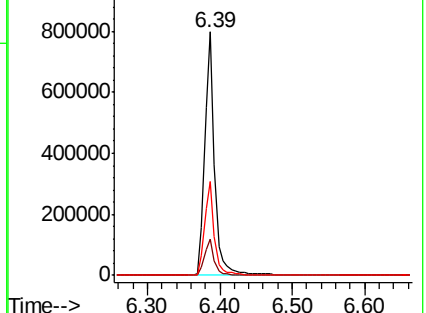
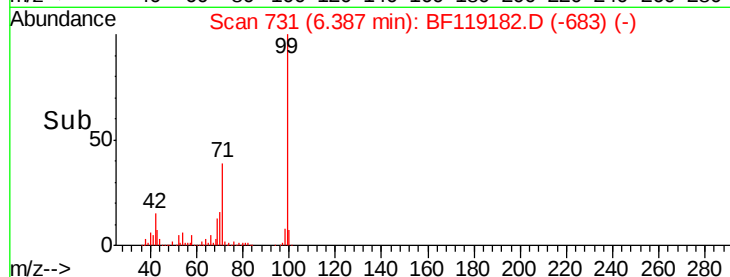
71 38.8 31.0 46.4



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: 14.353 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

Tgt Ion: 70 Resp: 67718

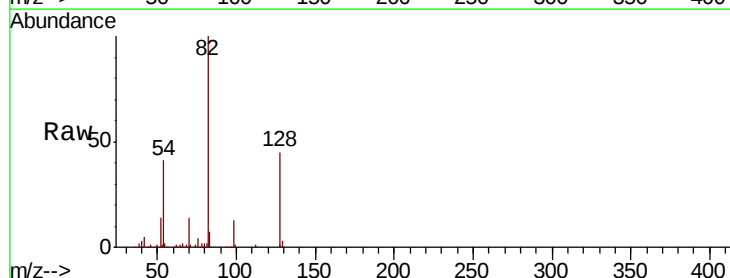
Ion Ratio Lower Upper

70 100

42 36.5 38.0 57.0#

101 0.0 8.2 12.4#

130 1.8 18.2 27.4#

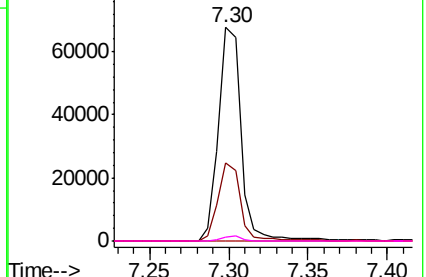
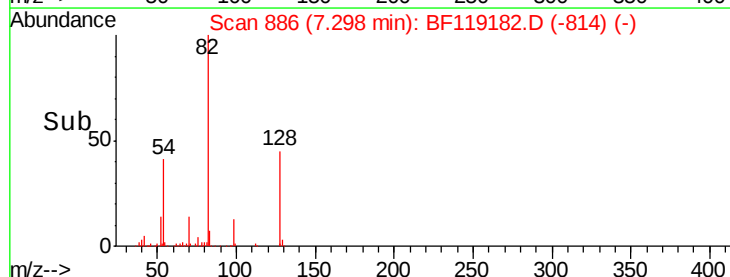


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

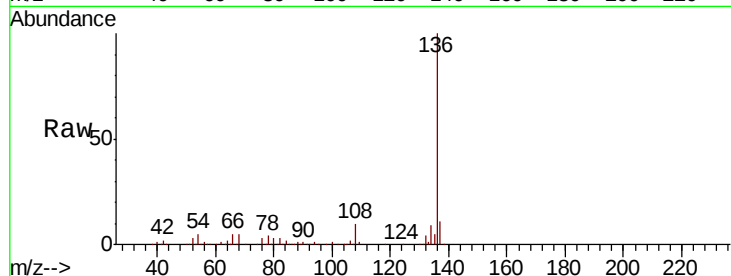




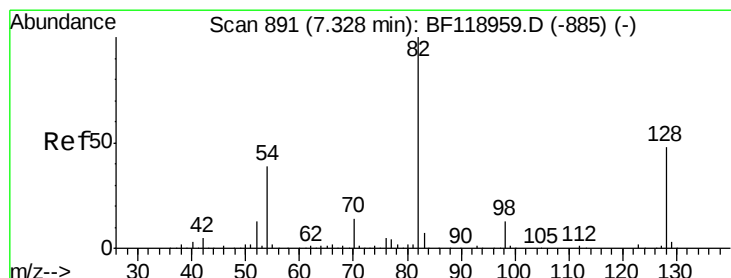
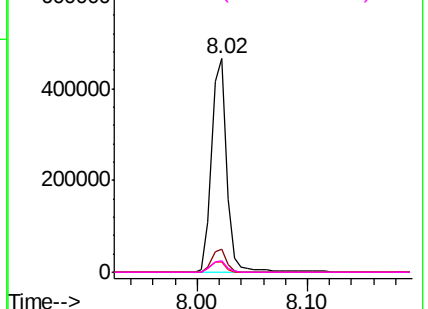
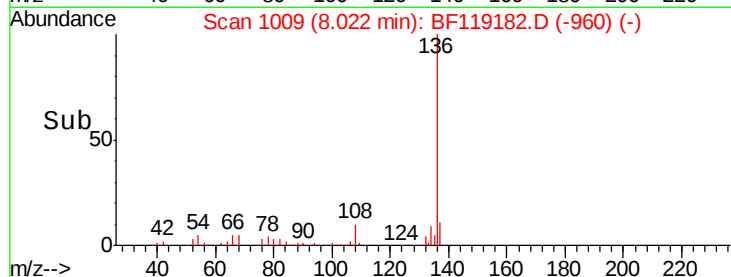
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	439346
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	4.7	3.8 5.6
68	5.3	3.9 5.9

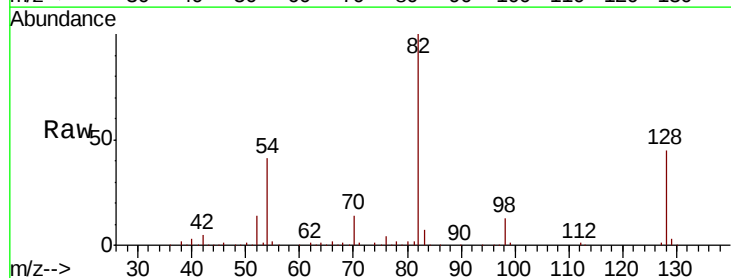


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

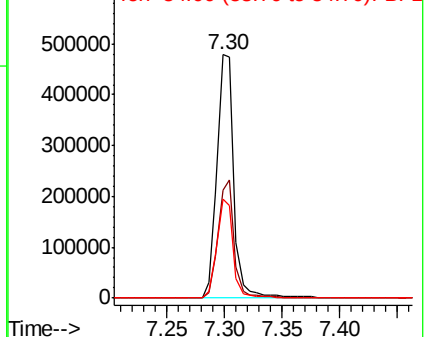
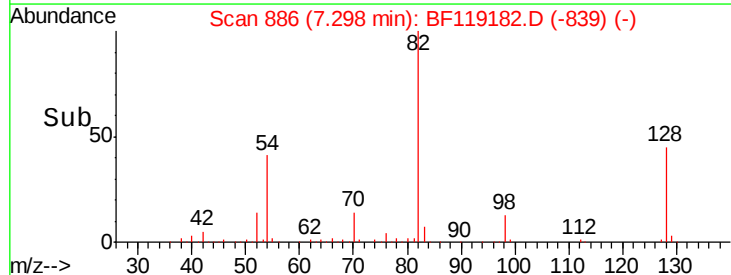


#23
Nitrobenzene-d5
Concen: 58.731 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion: 82	Resp:	488694
Ion	Ratio	Lower Upper
82	100	
128	44.6	37.9 56.9
54	40.6	33.4 50.2



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

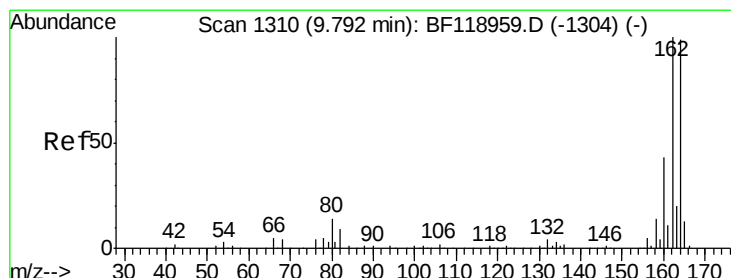
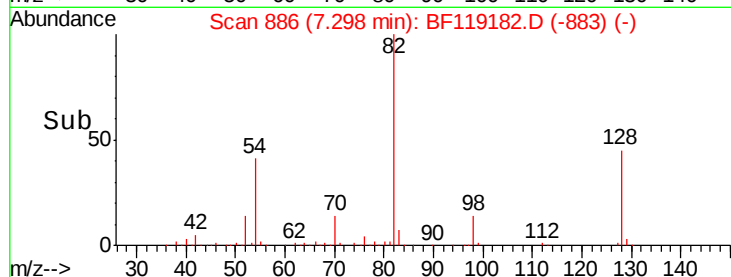
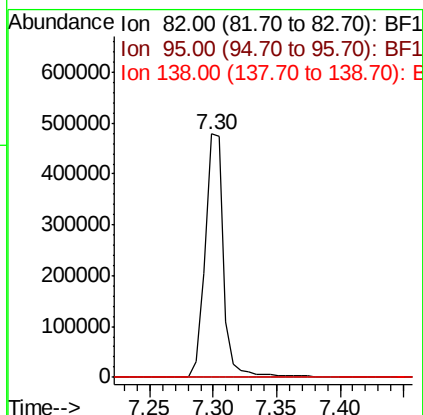
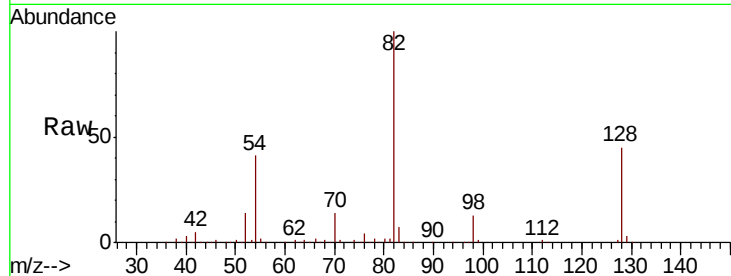




#25
Isophorone
Concen: 33.496 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.28 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

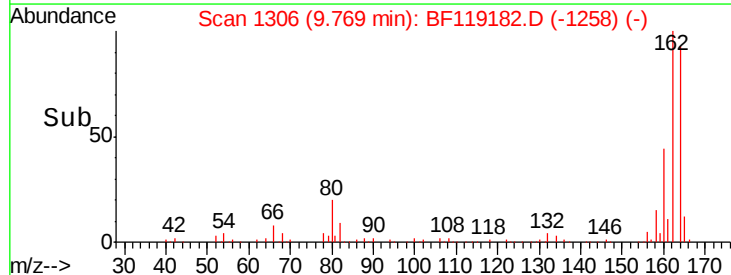
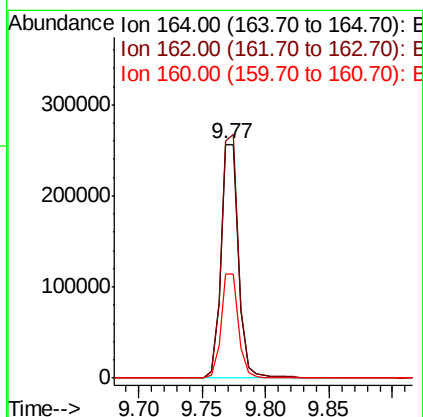
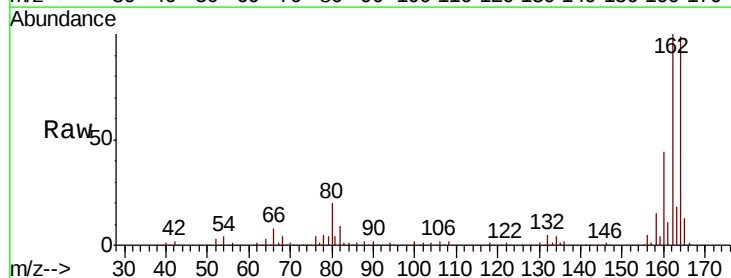
Instrument :
BNA_F
ClientSampleId :

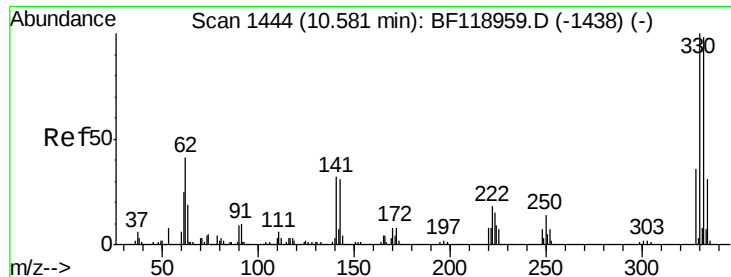
Tot Ion: 82 Resp: 484055
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion: 164 Resp: 248621
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.8
160 44.6 36.0 54.0

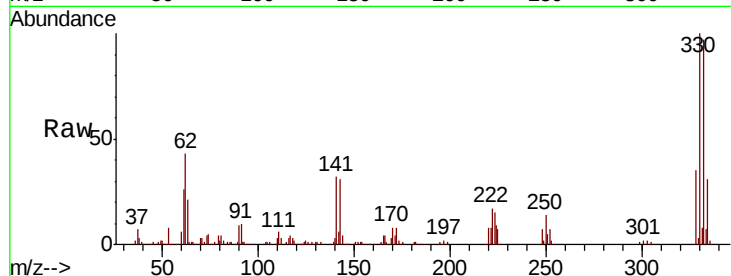




#42
 2,4,6-Tribromophenol
 Concen: 85.035 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF119182.D
 Acq: 2 Mar 2020 21:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.0	114.0
141	31.1	22.9	34.3

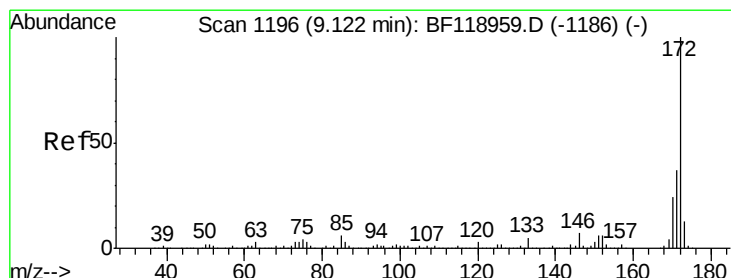
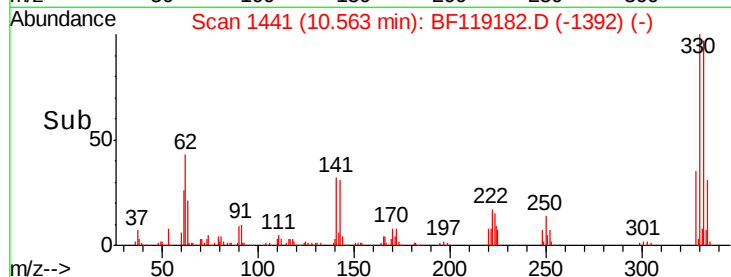
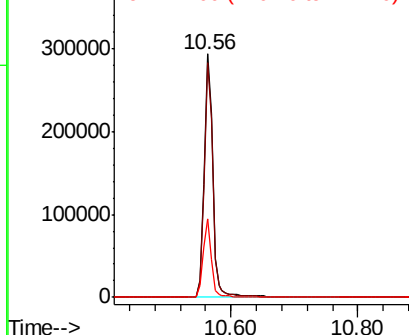


Abundance

Ion 329.80 (329.50 to 330.50): E

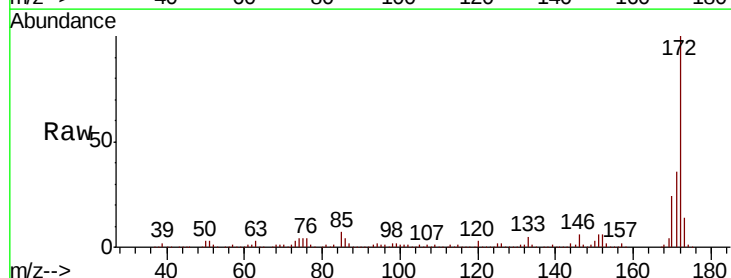
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.482 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF119182.D
 Acq: 2 Mar 2020 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.6	45.8
170	23.7	20.2	30.2

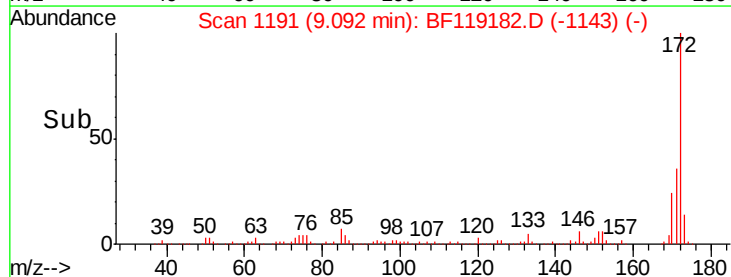
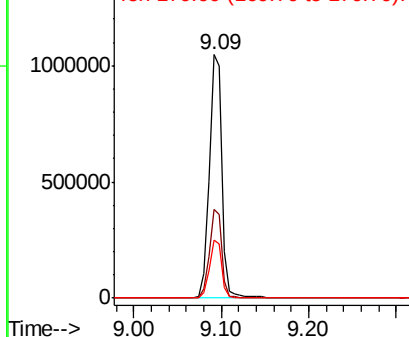


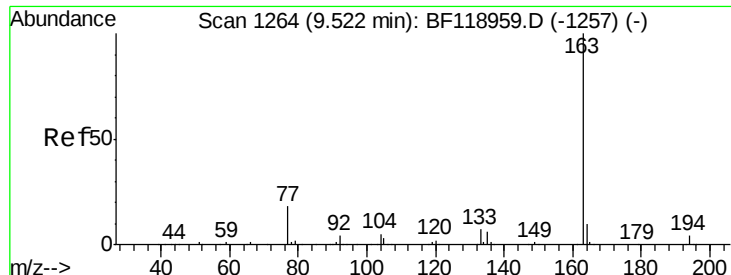
Abundance

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

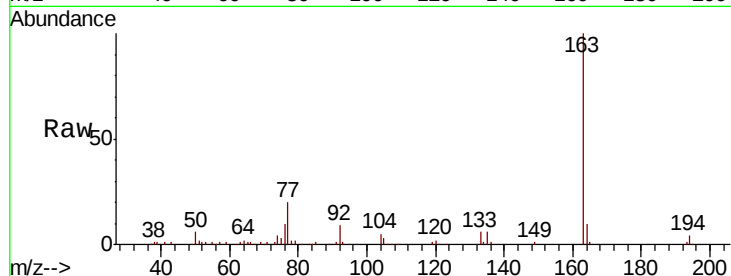




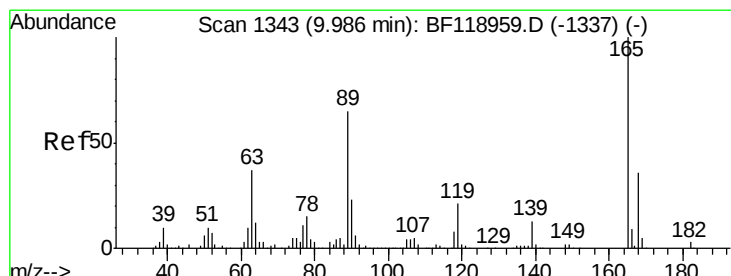
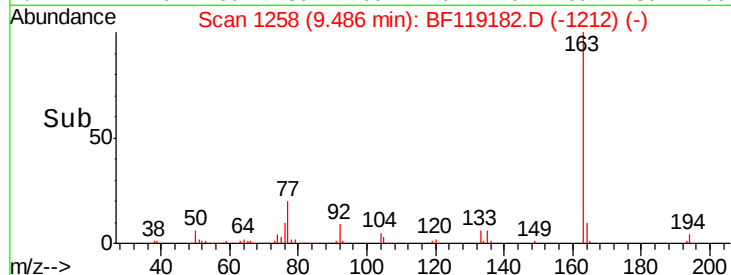
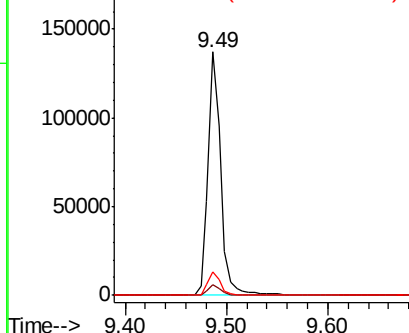
#50
Dimethylphthalate
Concen: 6.308 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.7	8.4	12.6



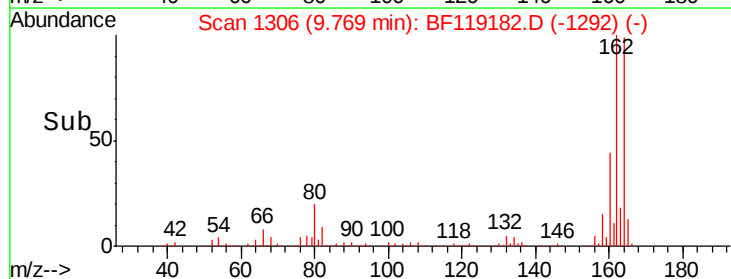
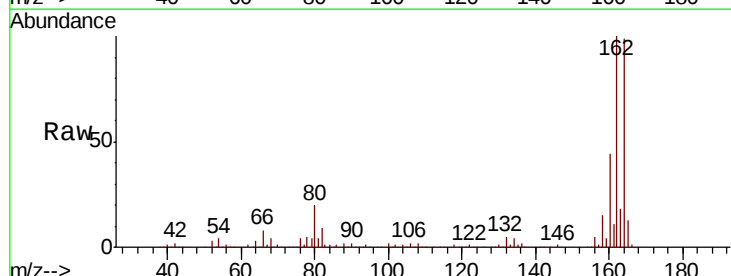
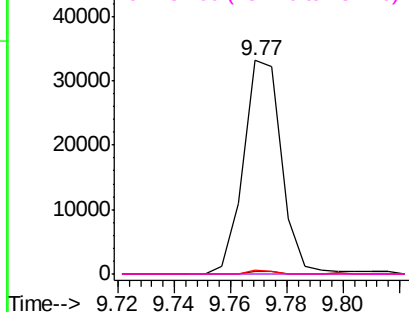
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

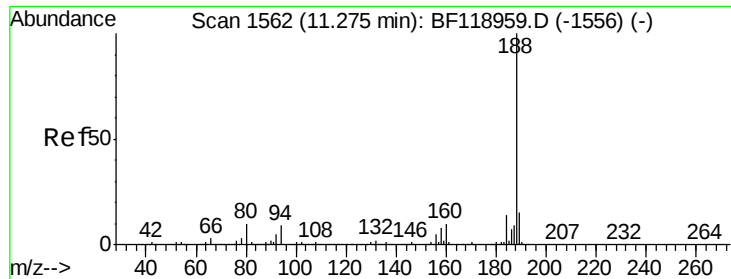


#57
2,4-Dinitrotoluene
Concen: 5.686 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.22 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.3	63.5#
89	1.9	60.2	90.4#
182	0.0	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

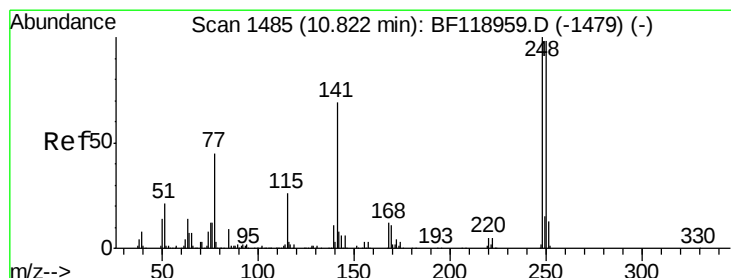
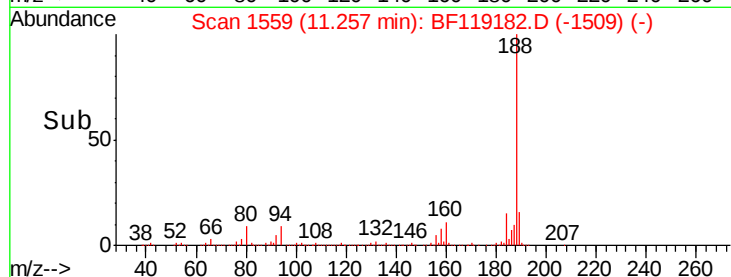
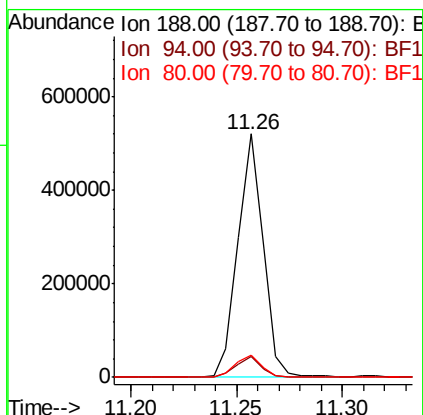
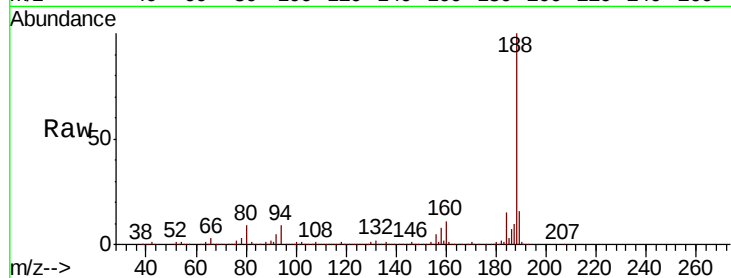




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

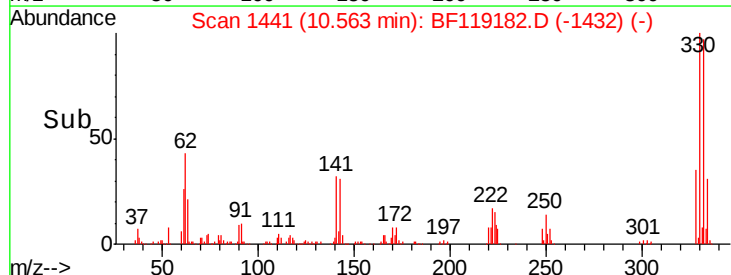
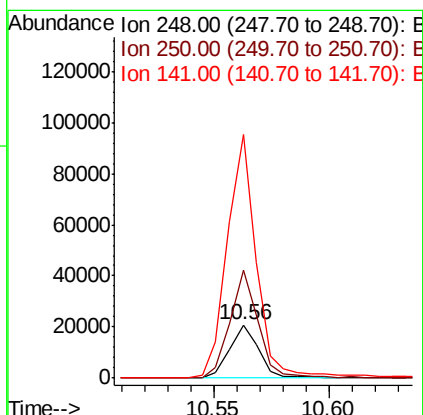
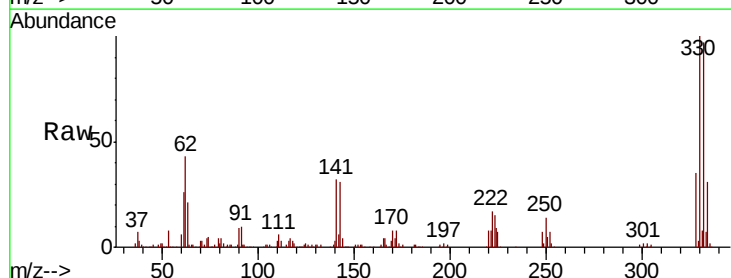
Instrument :
BNA_F
ClientSampleId :

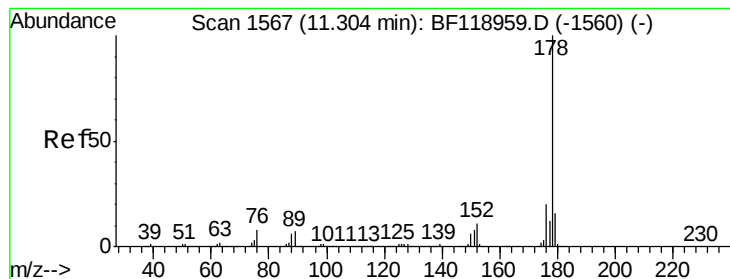
Tot Ion:188 Resp: 432776
Ion Ratio Lower Upper
188 100
94 8.6 7.1 10.7
80 9.3 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 3.258 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion:248 Resp: 18428
Ion Ratio Lower Upper
248 100
250 201.1 76.7 115.1#
141 456.1 60.7 91.1#





#71

Phenanthrene

Concen: 5.048 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

Instrument :

BNA_F

ClientSampleId :

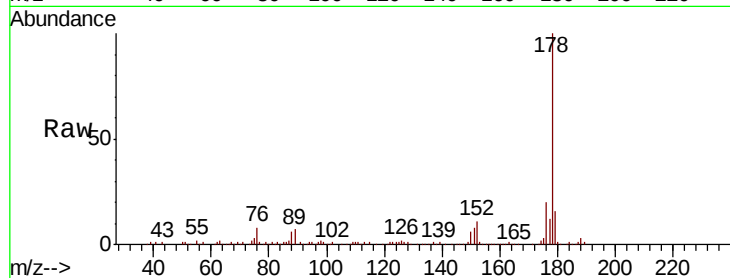
Tot Ion:178 Resp: 119133

Ion Ratio Lower Upper

178 100

176 19.7 16.5 24.7

179 15.9 13.0 19.6

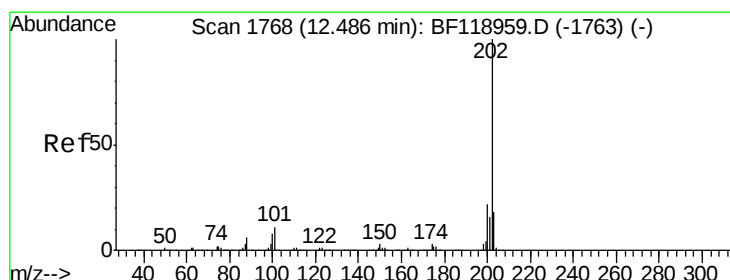
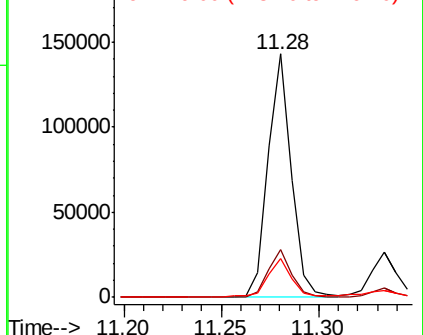
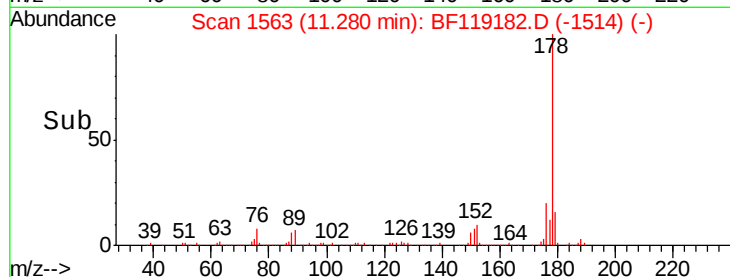


Abundance

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: 6.967 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

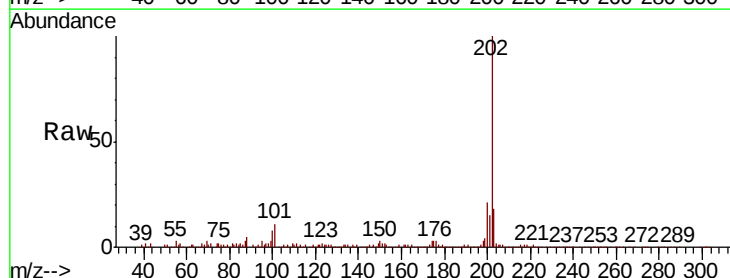
Tgt Ion:202 Resp: 174544

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

203 18.0 0.0 38.4

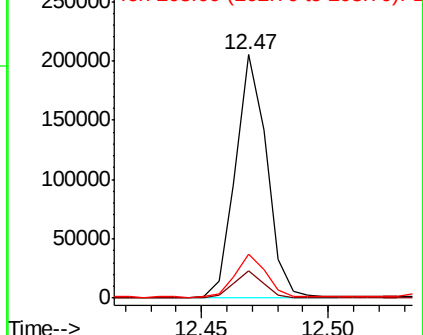
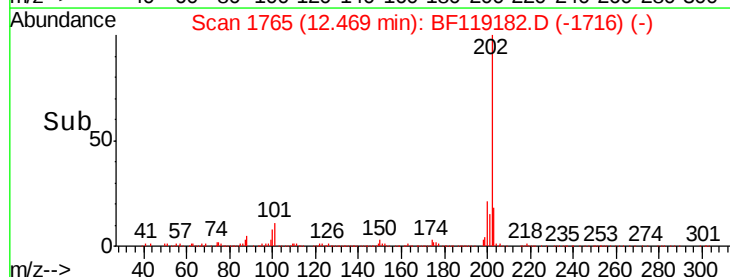


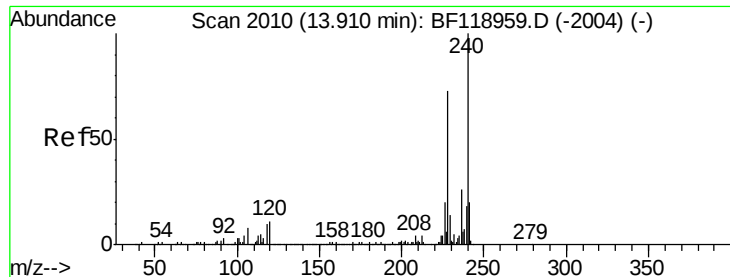
Abundance

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: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

Instrument :

BNA_F

ClientSampleId :

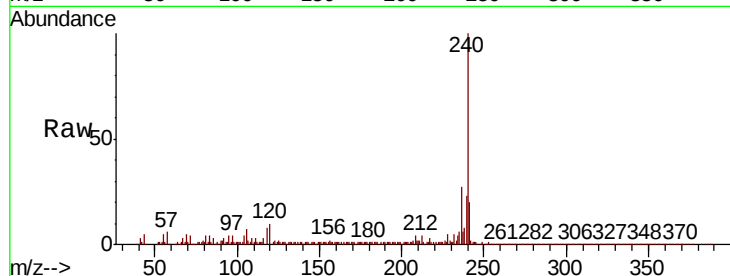
Tot Ion:240 Resp: 299052

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

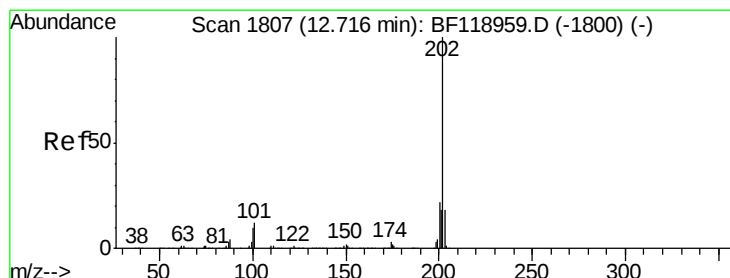
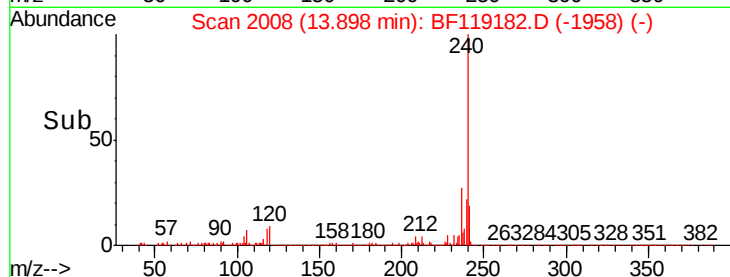
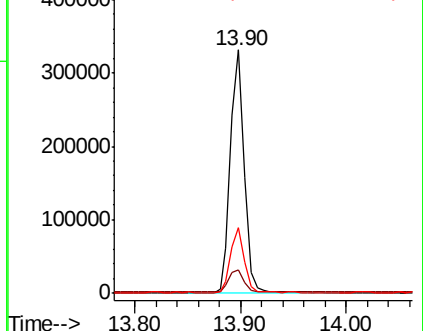
236 26.9 21.0 31.4



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: 6.575 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

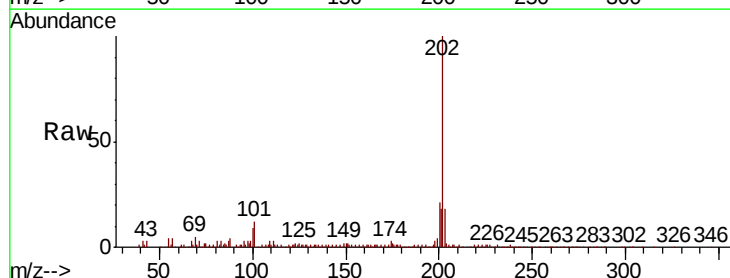
Tgt Ion:202 Resp: 157877

Ion Ratio Lower Upper

202 100

200 20.6 18.0 27.0

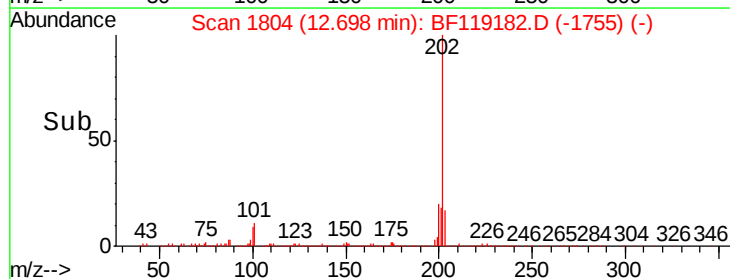
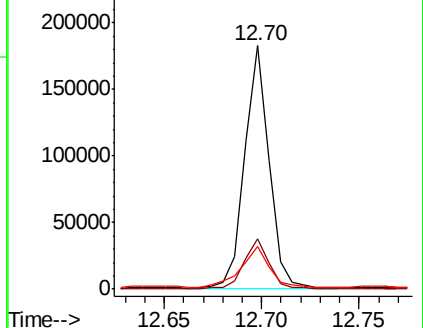
203 17.6 14.6 22.0

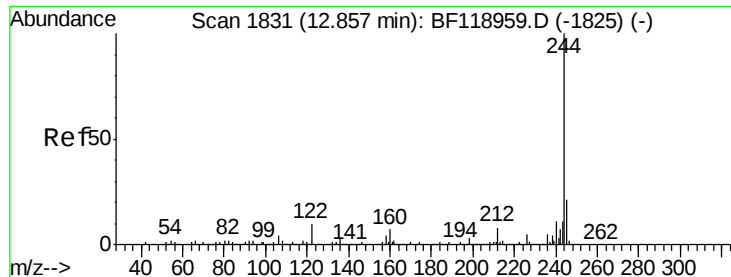


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.340 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

Instrument :

BNA_F

ClientSampleId :

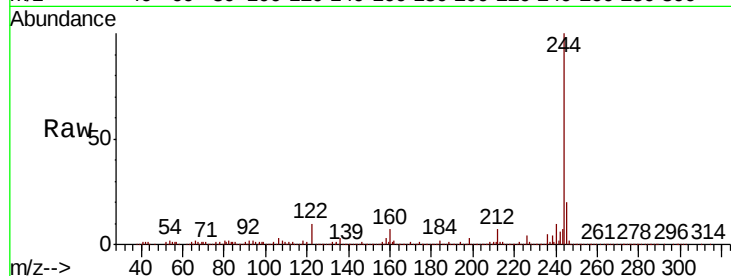
Tot Ion:244 Resp: 1117576

Ion Ratio Lower Upper

244 100

212 7.4 6.6 10.0

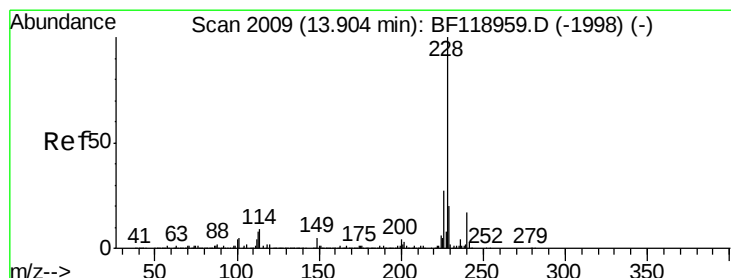
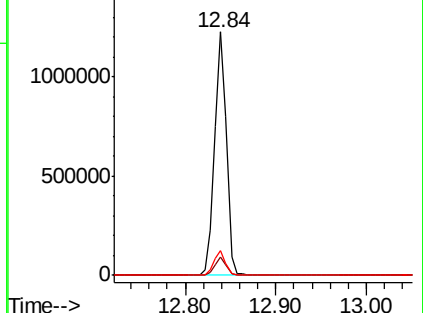
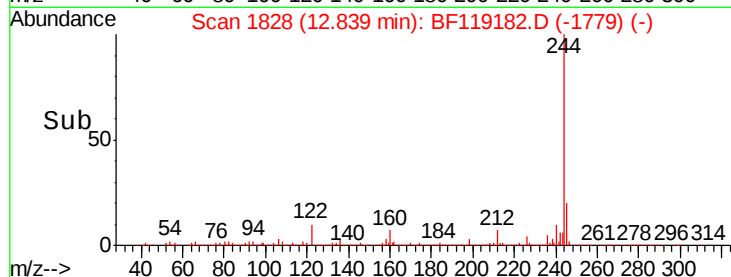
122 10.1 8.2 12.2



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: 3.694 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119182.D

Acq: 2 Mar 2020 21:49

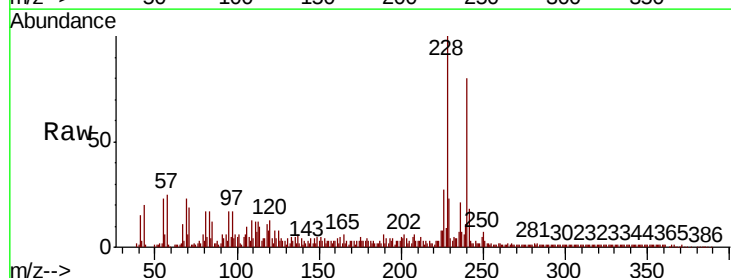
Tgt Ion:228 Resp: 75270

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

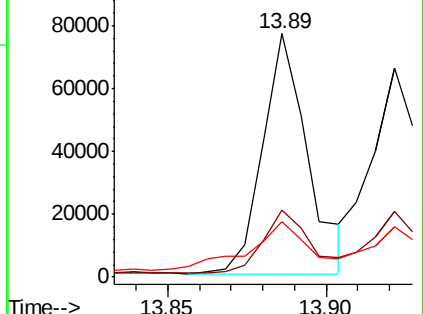
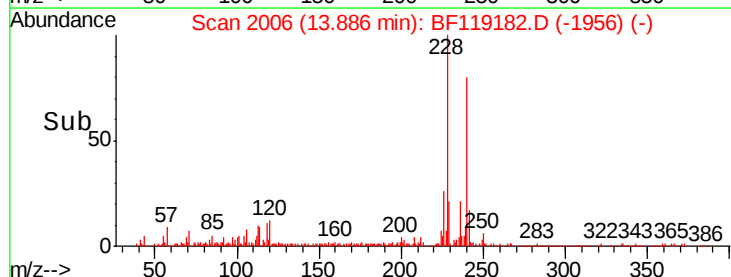
229 22.6 16.6 24.8

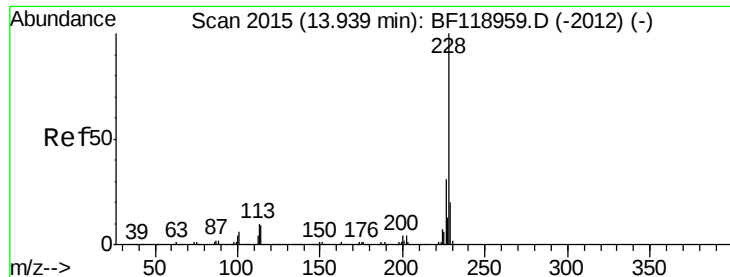


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

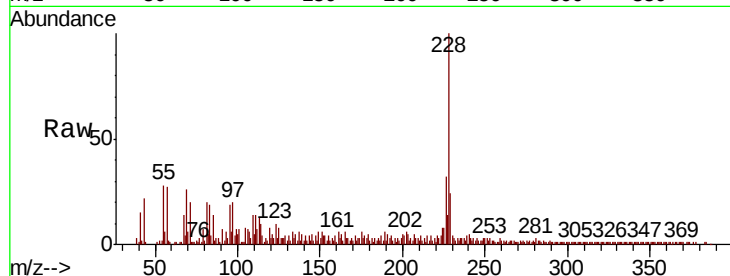




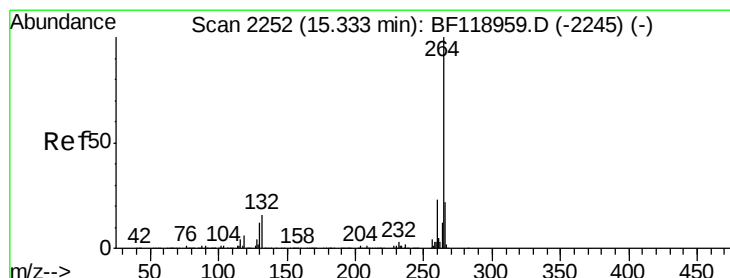
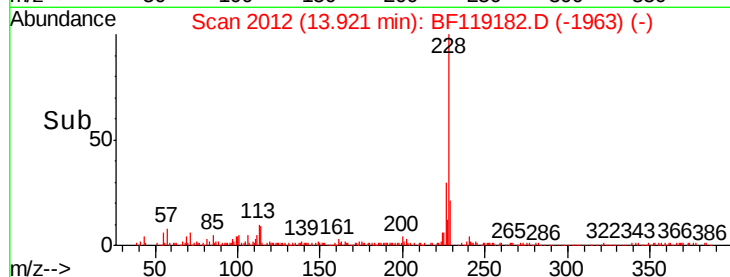
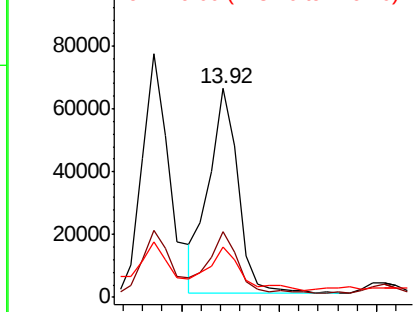
#83
Chrysene
Concen: 3.365 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 68311
Ion Ratio Lower Upper
228 100
226 31.6 25.1 37.7
229 24.2 16.3 24.5

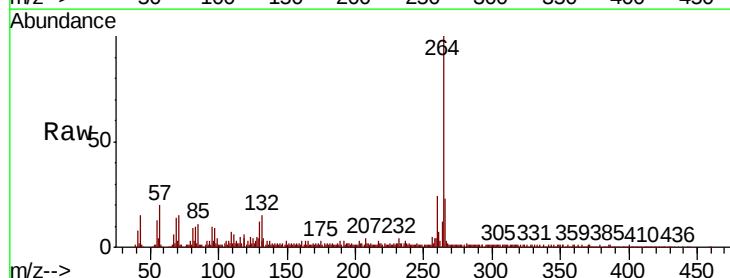


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

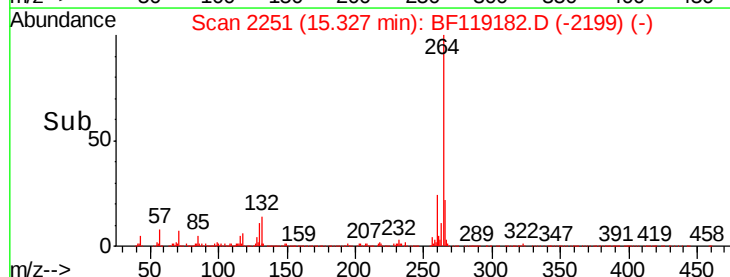
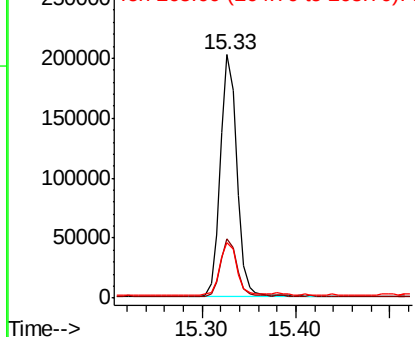


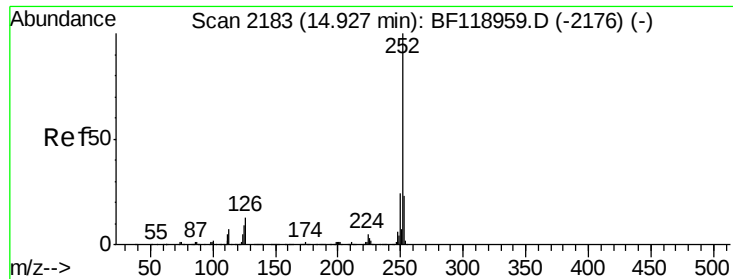
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion:264 Resp: 249764
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 22.7 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

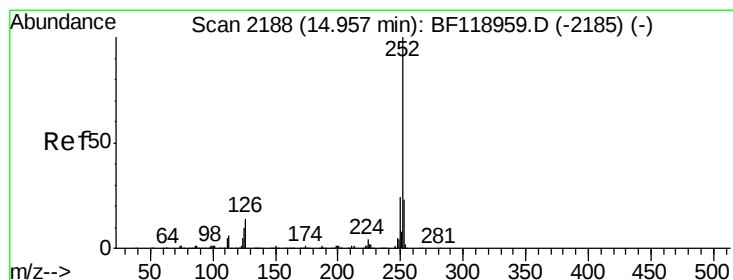
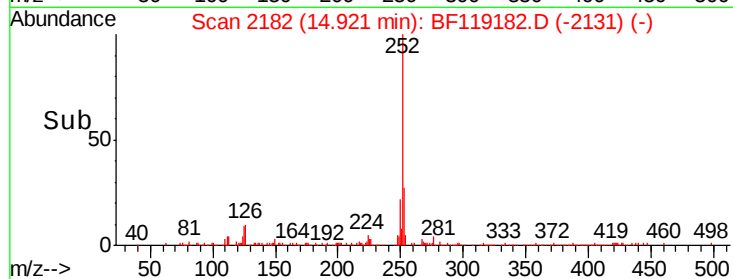
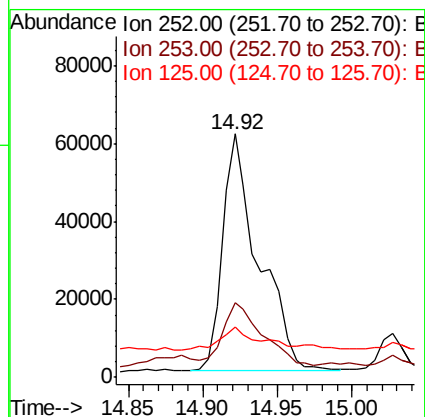
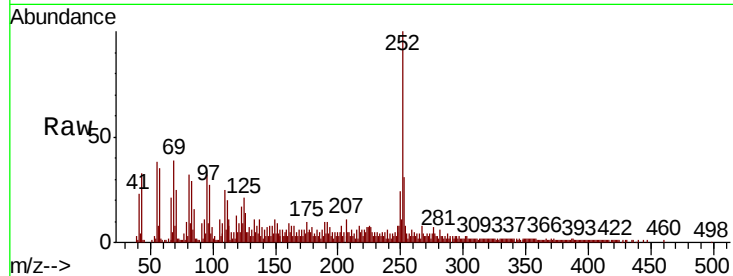




#88
Benzo(b)fluoranthene
Concen: 6.257 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

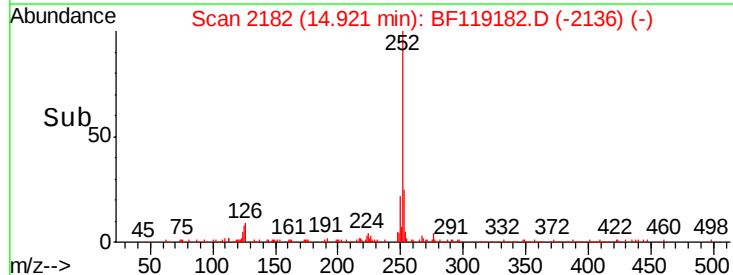
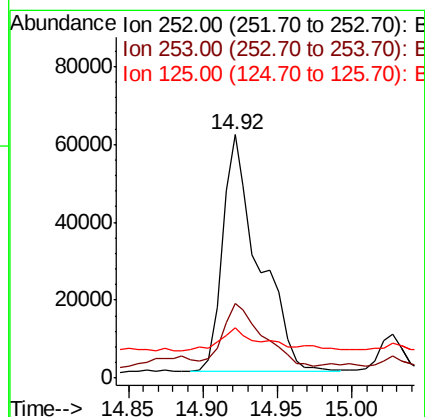
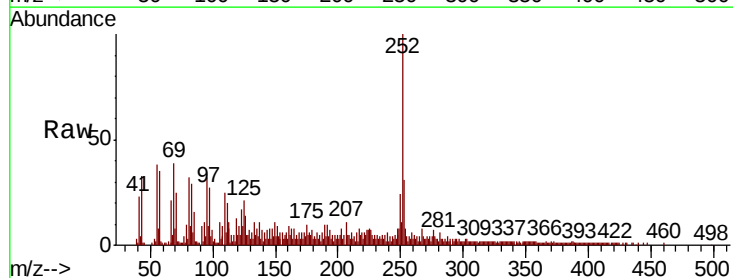
Instrument :
BNA_F
ClientSampleId :

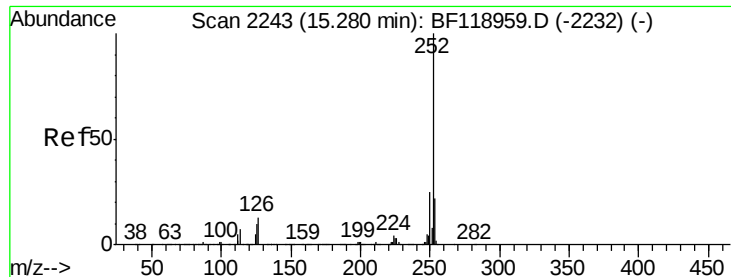
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.1	27.1#
125	20.9	7.4	11.0#



#89
Benzo(k)fluoranthene
Concen: 6.752 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.03 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.8	26.8#
125	20.9	7.5	11.3#

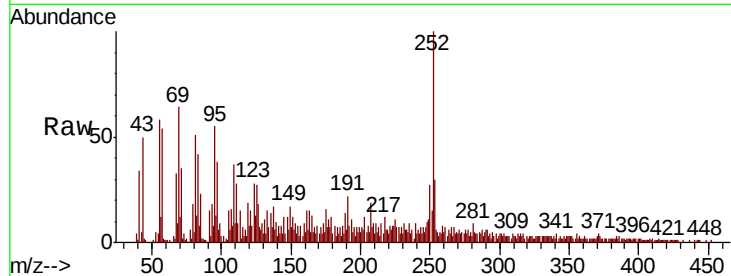




#90
Benzo(a)pyrene
Concen: 3.303 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.0	27.0#
125	26.6	8.6	12.8#

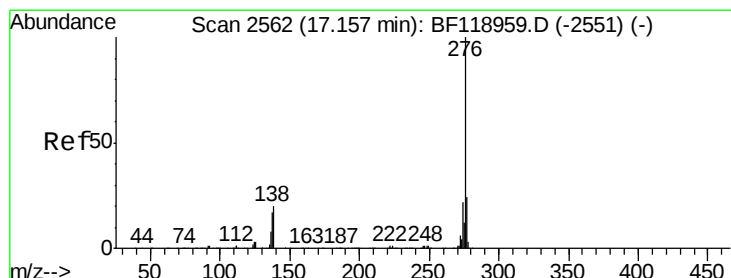
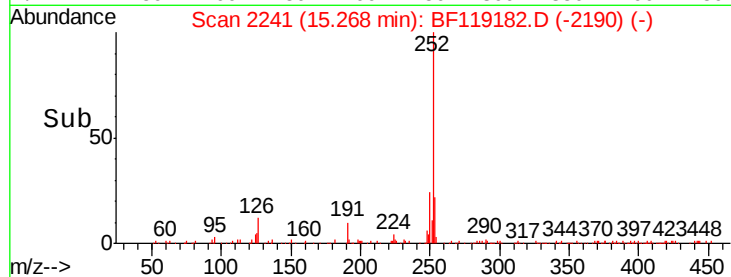
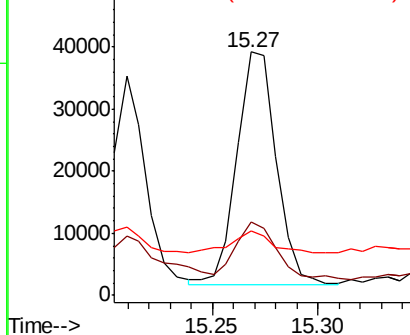


Abundance

Ion 252.00 (251.70 to 252.70): E

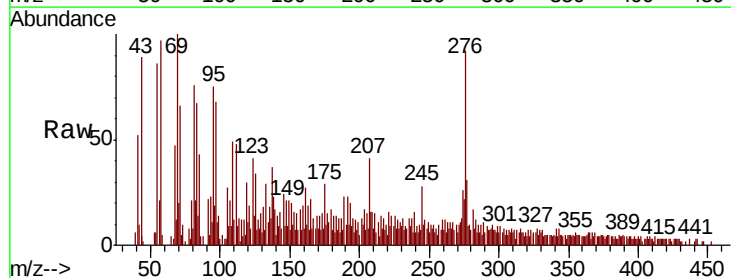
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.245 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.02 min
Lab File: BF119182.D
Acq: 2 Mar 2020 21:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.1	18.7	28.1#
138	25.3	14.3	21.5#



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

