

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119104.D
 Acq On : 27 Feb 2020 11:00
 Operator : CG/JU
 Sample : L1678-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 02:52:40 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	6.75	152	171034	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	653036	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	347479	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	581579	20.00	ng	0.00
76) Chrysene-d12	13.90	240	371632	20.00	ng	0.00
87) Perylene-d12	15.33	264	414872	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	942728	92.11	ng	0.00
7) Phenol-d6	6.39	99	1148688	92.29	ng	-0.01
23) Nitrobenzene-d5	7.31	82	762993	61.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	382743	84.20	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1462725	62.01	ng	0.00
79) Terphenyl-d14	12.84	244	1309235	60.65	ng	0.00

Target Compounds

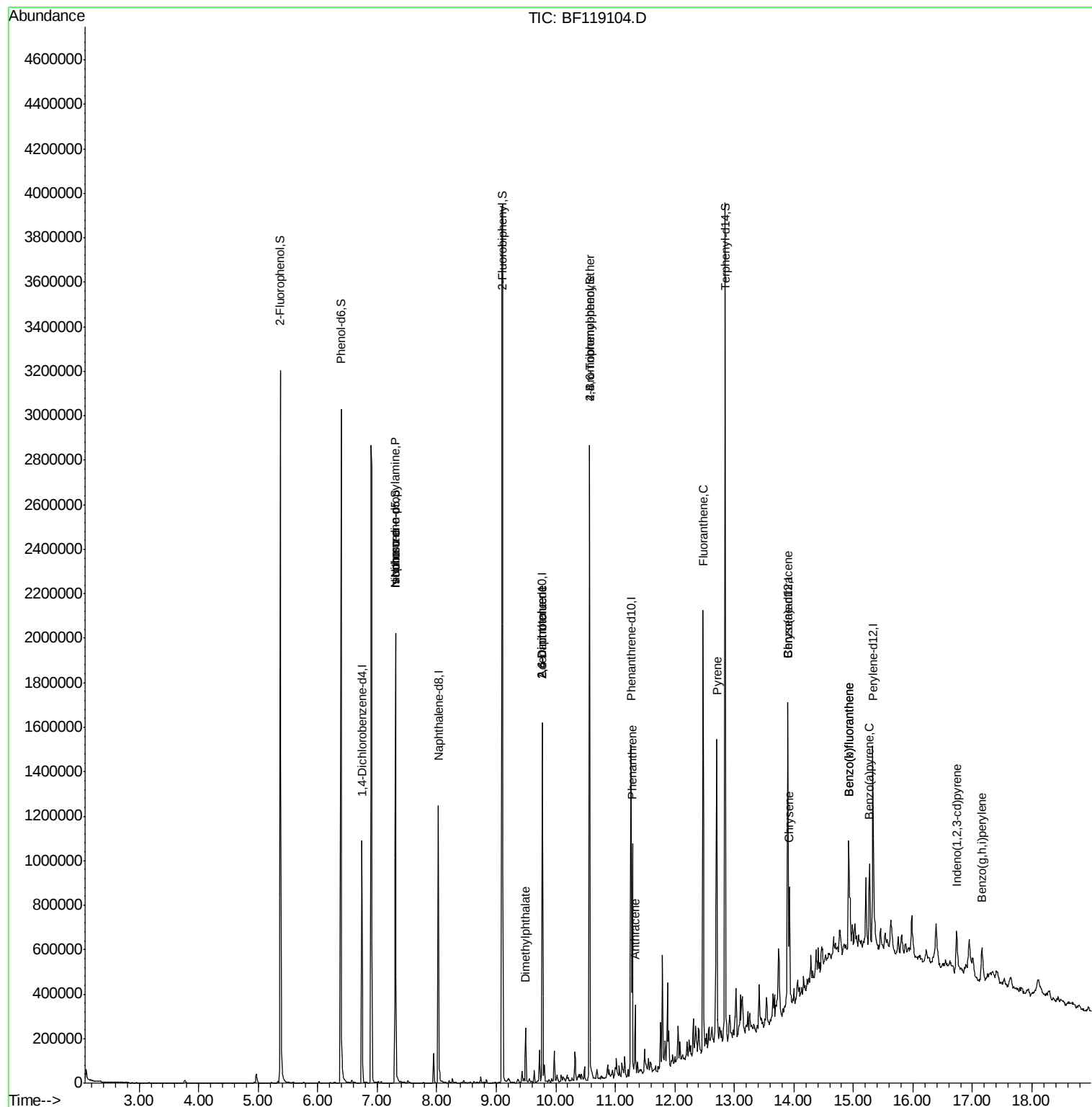
						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	106263	14.651	ng	# 74
25) Isophorone	7.31	82	747378	34.795	ng	# 63
50) Dimethylphthalate	9.49	163	102813	3.869	ng	100
51) 2,6-Dinitrotoluene	9.77	165	46228	7.831	ng	# 33
57) 2,4-Dinitrotoluene	9.77	165	46228	6.041	ng	# 21
67) 4-Bromophenyl-phenylether	10.57	248	24969	3.285	ng	# 1
71) Phenanthrene	11.29	178	419481	13.226	ng	96
72) Anthracene	11.33	178	120245	3.794	ng	98
75) Fluoranthene	12.47	202	753463	22.380	ng	100
78) Pyrene	12.70	202	604583	20.260	ng	98
81) Benzo(a)anthracene	13.89	228	243750	9.626	ng	99
83) Chrysene	13.92	228	229055	9.078	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	115522	4.729	ng	96
88) Benzo(b)fluoranthene	14.92	252	348887	12.758	ng	# 96
89) Benzo(k)fluoranthene	14.92	252	348887	13.767	ng	# 95
90) Benzo(a)pyrene	15.27	252	181497	7.354	ng	# 97
92) Benzo(a,h,i)perylene	17.16	276	107195	4.996	ng	96

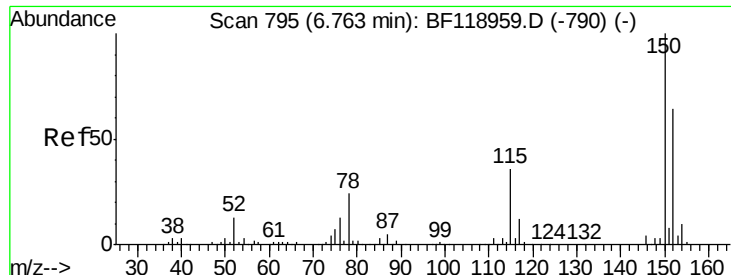
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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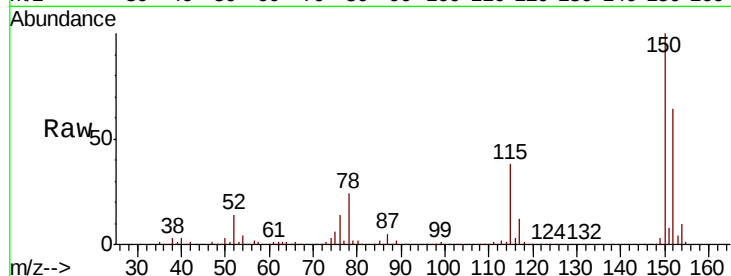


#1

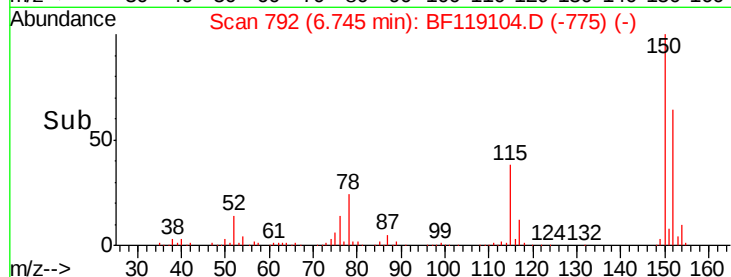
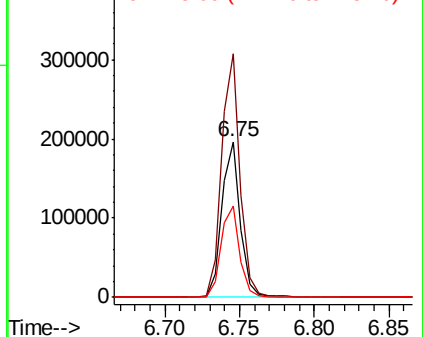
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171034
Ion Ratio Lower Upper
152 100
150 156.5 123.0 184.6
115 59.1 49.5 74.3



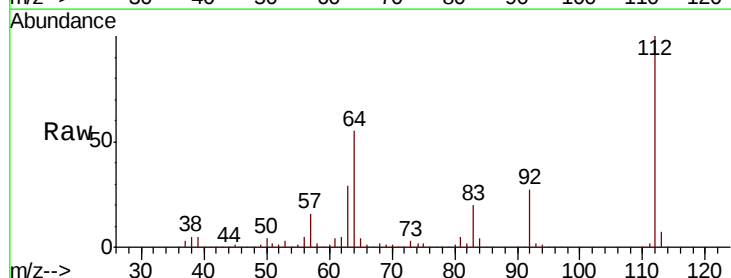
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



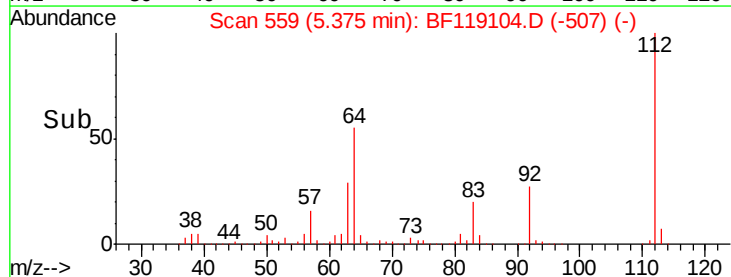
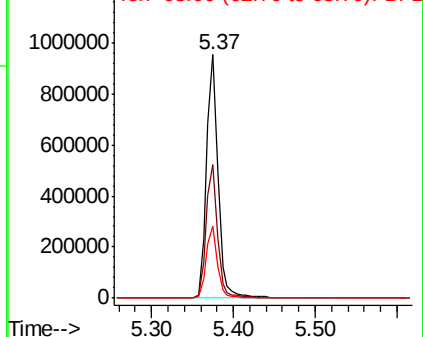
#5

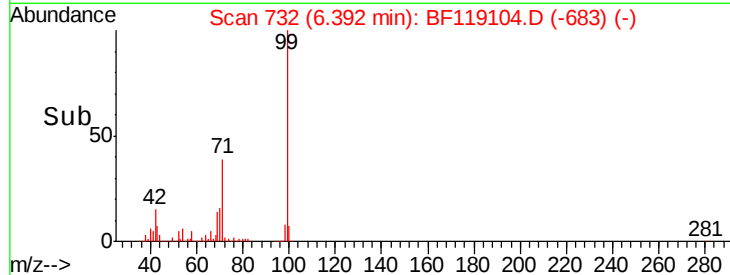
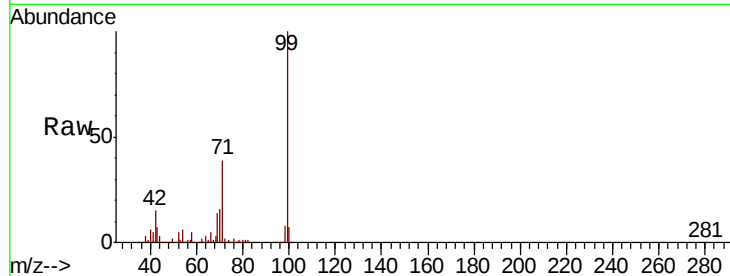
2-Fluorophenol
Concen: 92.114 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion:112 Resp: 942728
Ion Ratio Lower Upper
112 100
64 54.7 45.0 67.4
63 29.4 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: 92.287 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

ClientSampled :

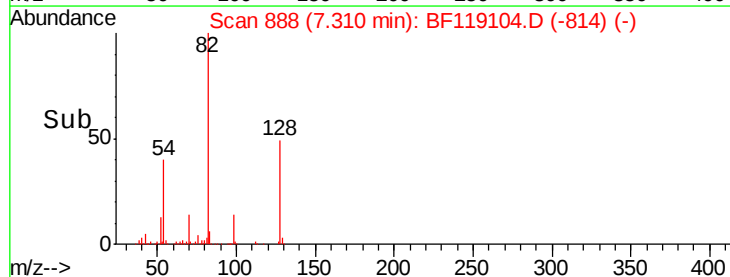
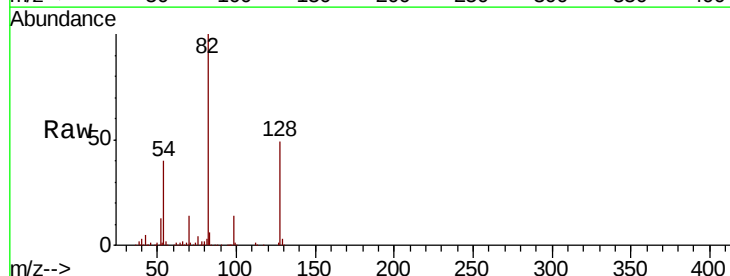
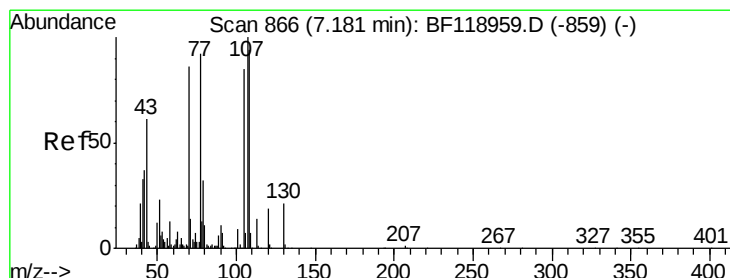
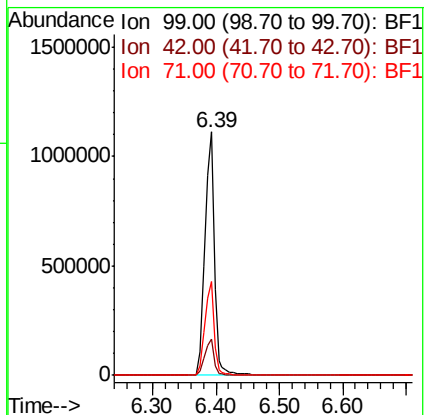
Tot Ion: 99 Resp: 1148688

Ion Ratio Lower Upper

99 100

42 15.0 12.6 18.8

71 38.6 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.651 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Tgt Ion: 70 Resp: 106263

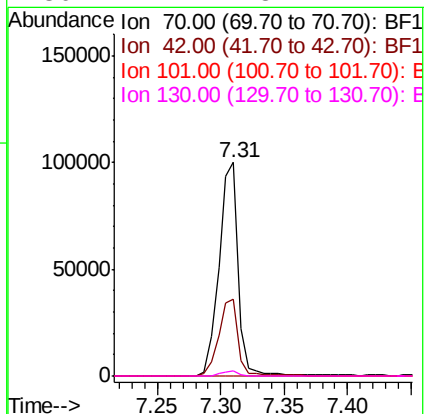
Ion Ratio Lower Upper

70 100

42 35.9 38.0 57.0#

101 0.0 8.2 12.4#

130 2.2 18.2 27.4#

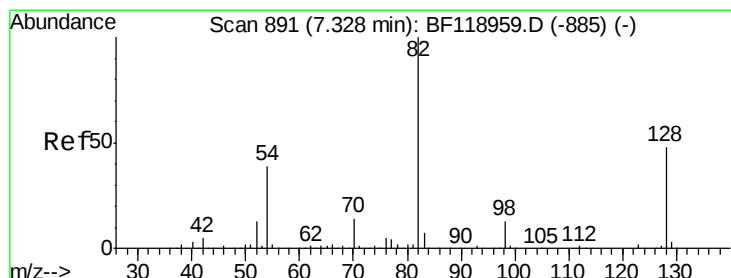
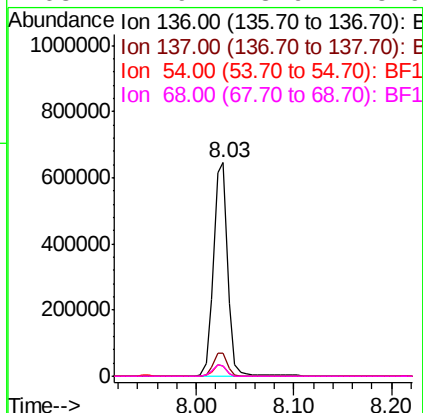
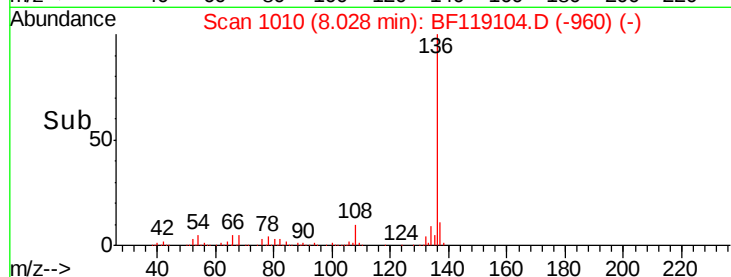
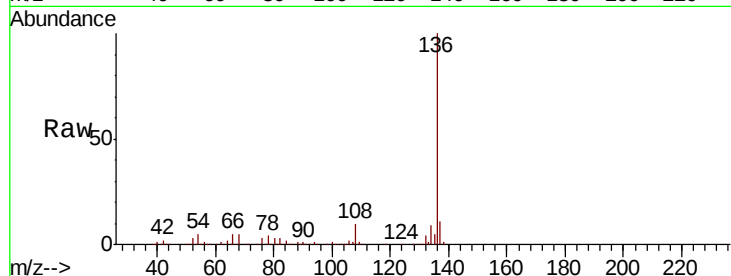




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

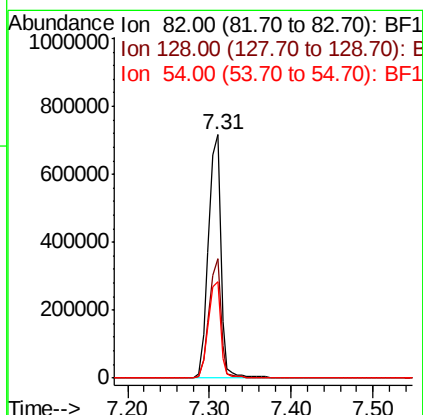
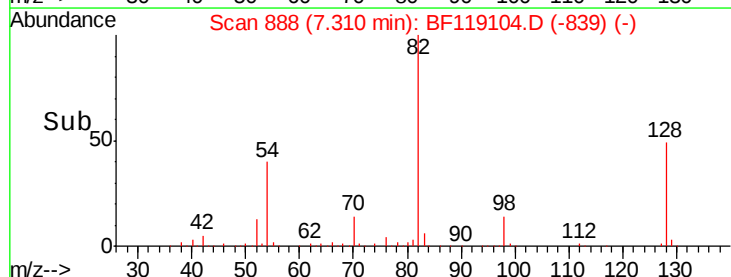
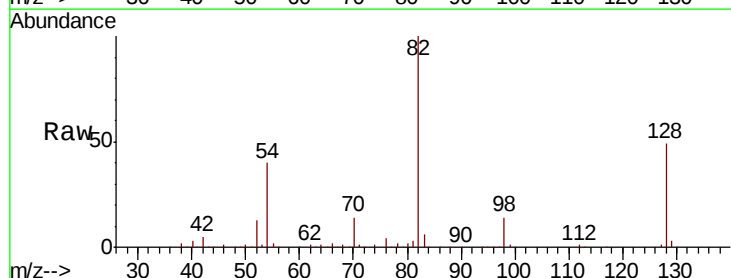
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	653036
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	4.9	3.8 5.6
68	4.9	3.9 5.9



#23
Nitrobenzene-d5
Concen: 61.690 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion: 82	Resp:	762993
Ion Ratio	Lower	Upper
82	100	
128	49.2	37.9 56.9
54	39.6	33.4 50.2





#25

Isophorone

Concen: 34.795 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

ClientSampled :

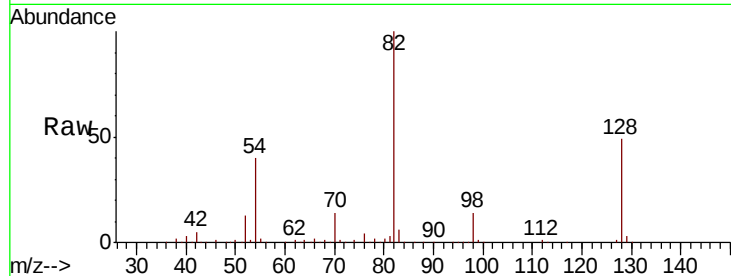
Tot Ion: 82 Resp: 747378

Ion Ratio Lower Upper

82 100

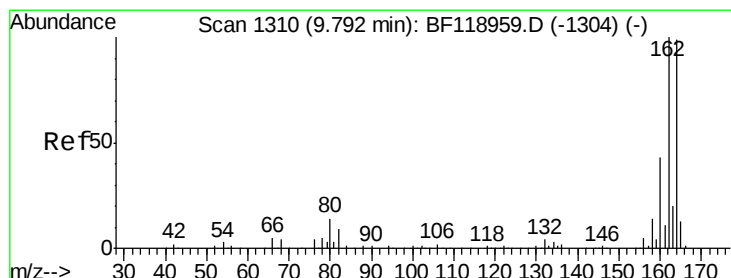
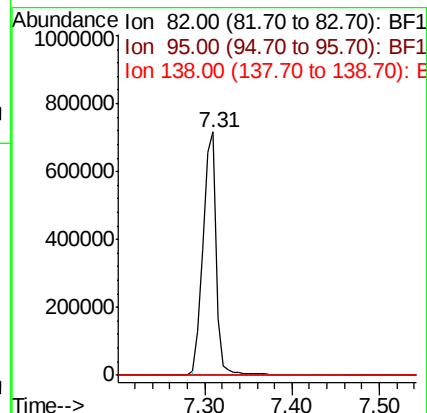
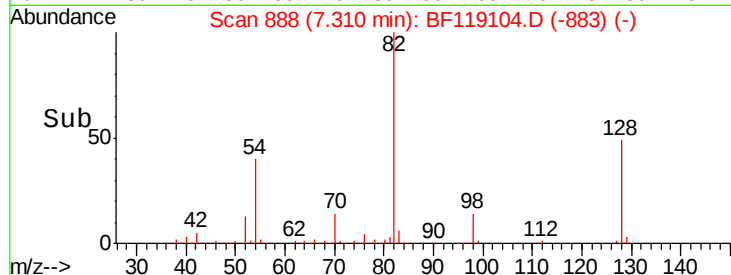
95 0.0 6.4 9.6#

138 0.0 15.7 23.5#



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): E

7.31



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

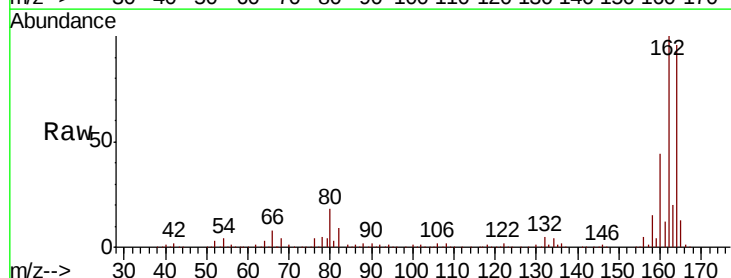
Tgt Ion: 164 Resp: 347479

Ion Ratio Lower Upper

164 100

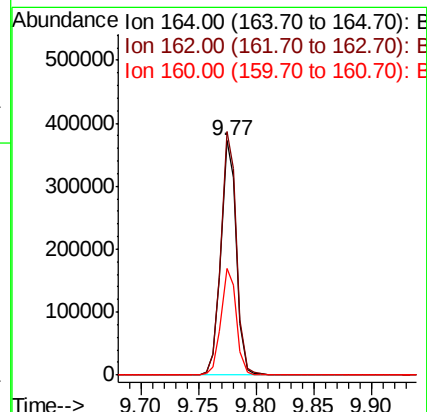
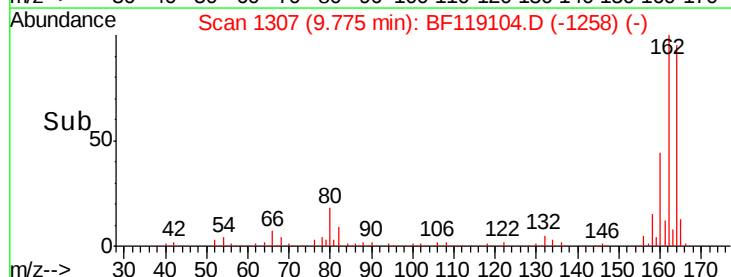
162 103.9 81.8 122.8

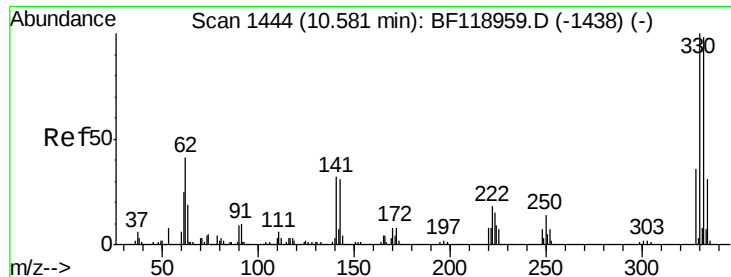
160 45.3 36.0 54.0



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

9.77

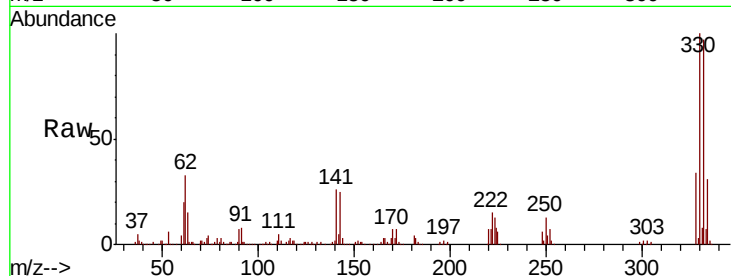




#42
 2,4,6-Tribromophenol
 Concen: 84.201 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.0	114.0
141	30.4	22.9	34.3

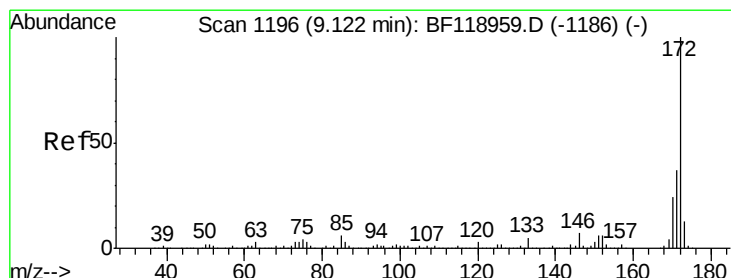
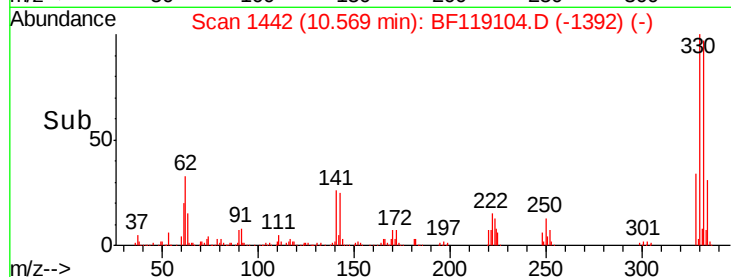
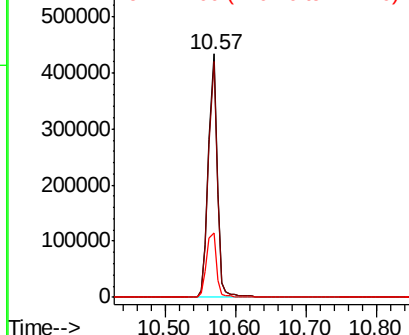


Abundance

Ion 329.80 (329.50 to 330.50): E

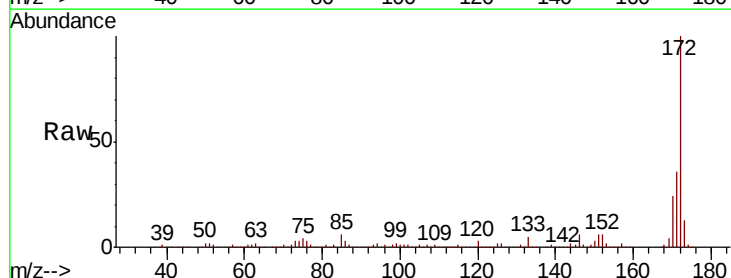
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.014 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	45.8
170	24.1	20.2	30.2

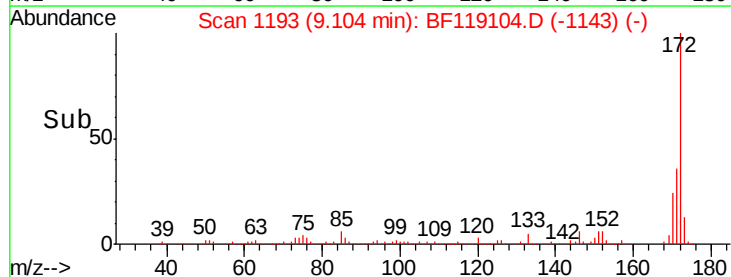
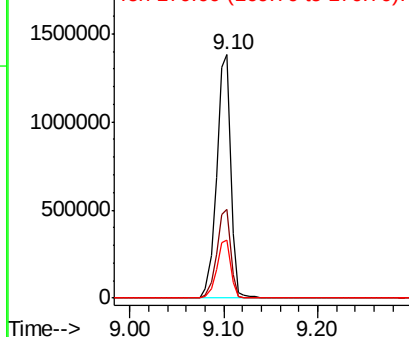


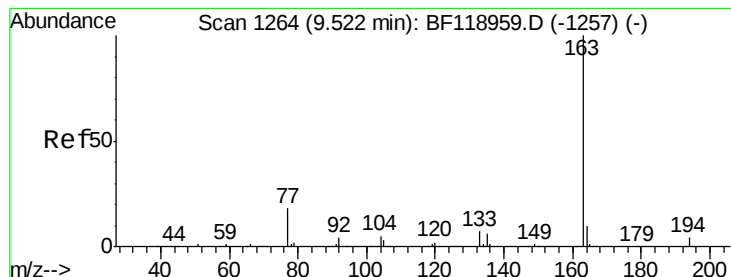
Abundance

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: 3.869 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

ClientSampled :

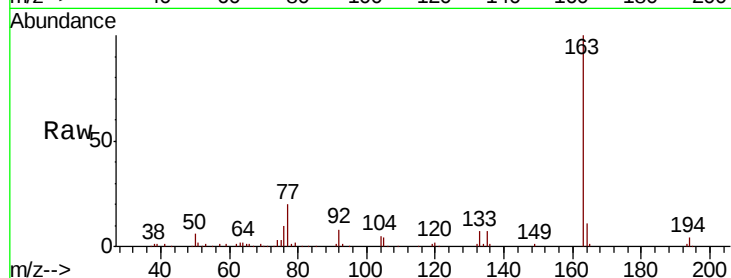
Tot Ion:163 Resp: 102813

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

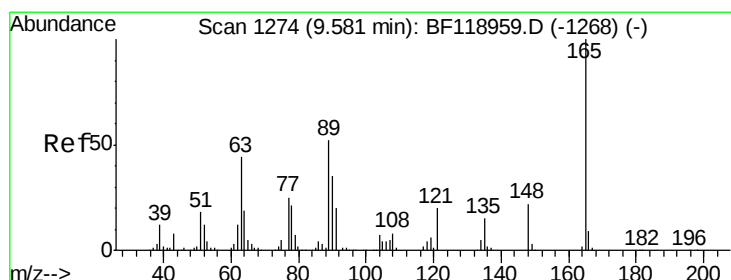
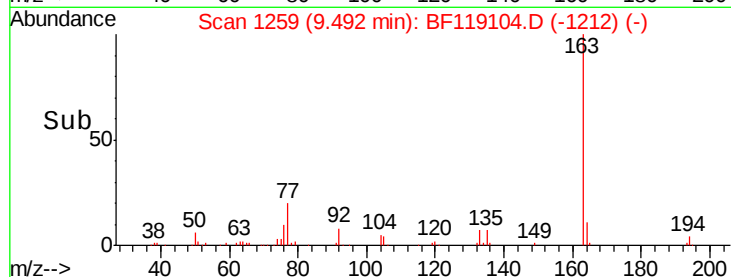
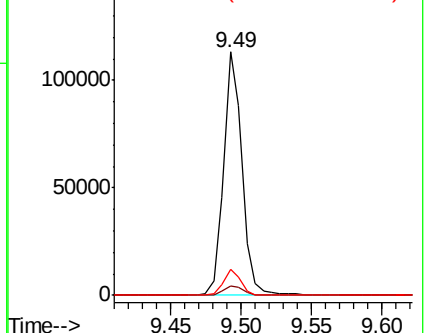
164 10.6 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 7.831 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.19 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

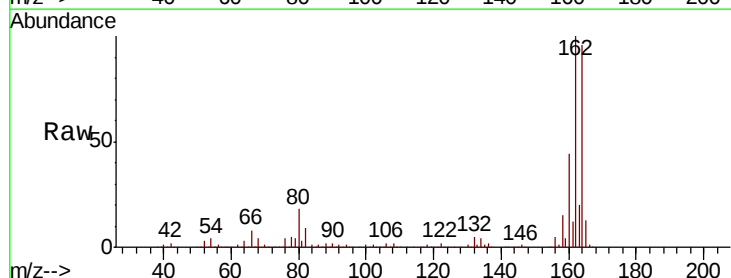
Tgt Ion:165 Resp: 46228

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

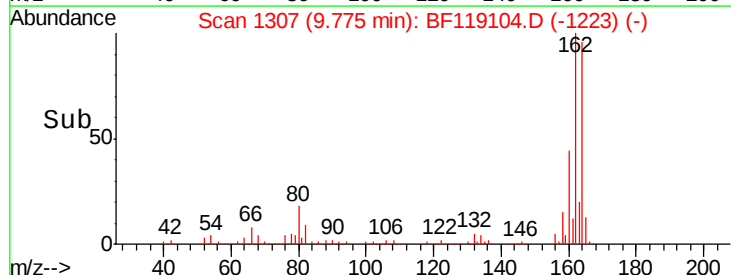
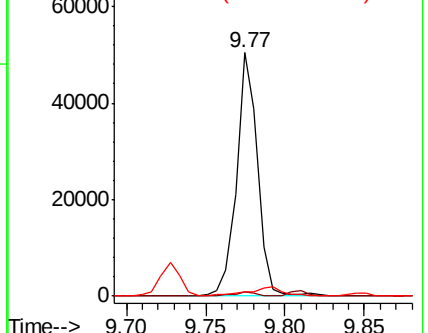
89 2.0 38.3 57.5#



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

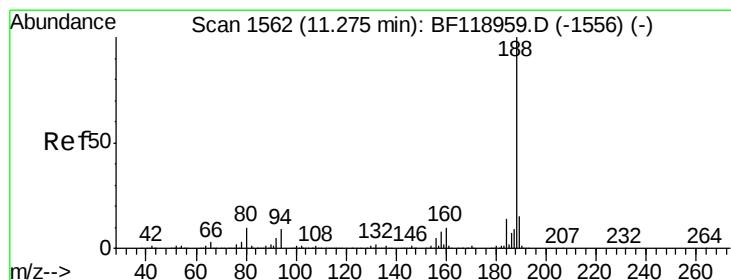
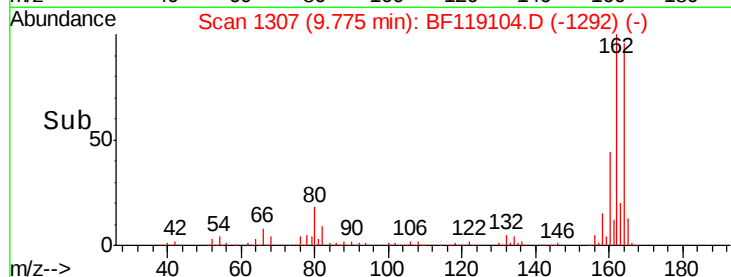
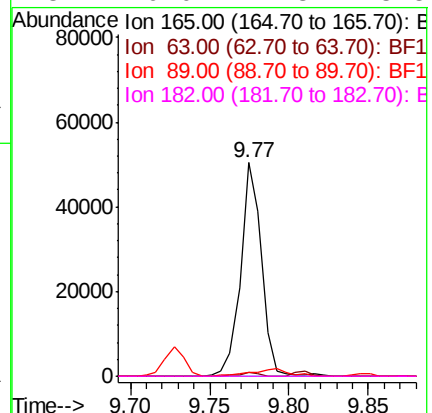
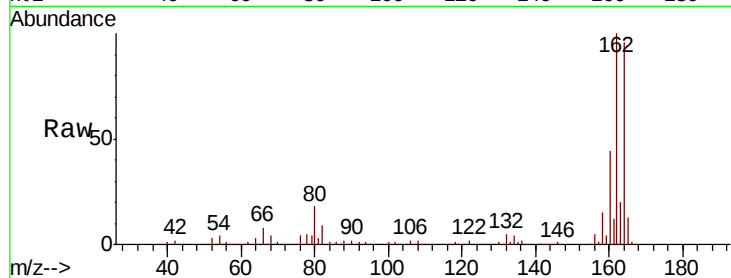




#57
 2,4-Dinitrotoluene
 Concen: 6.041 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.21 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

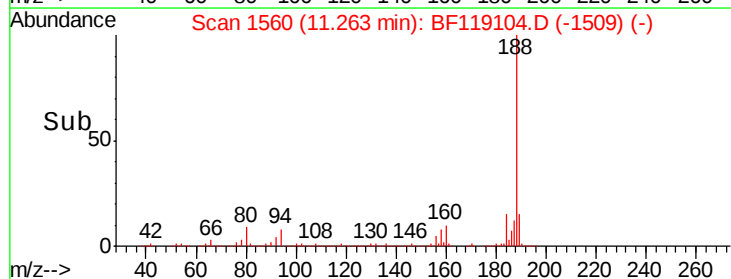
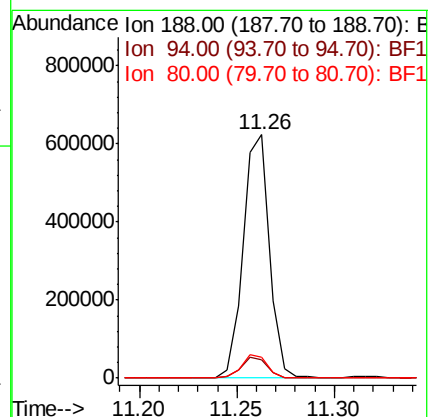
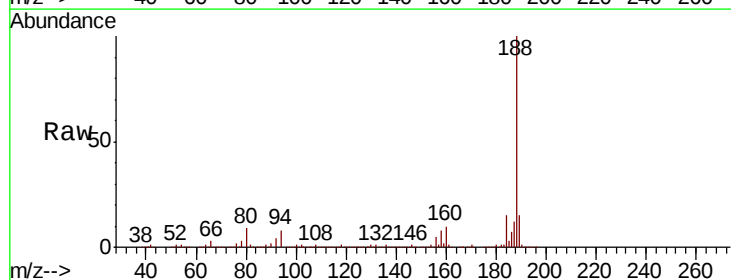
Instrument :
 BNA_F
 ClientSampleId :

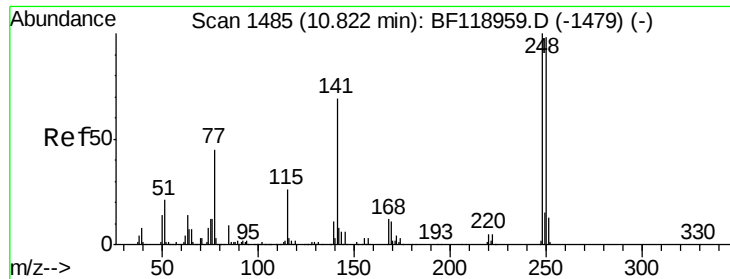
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.3	63.5#
89	2.0	60.2	90.4#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.1	10.7
80	8.5	7.8	11.8

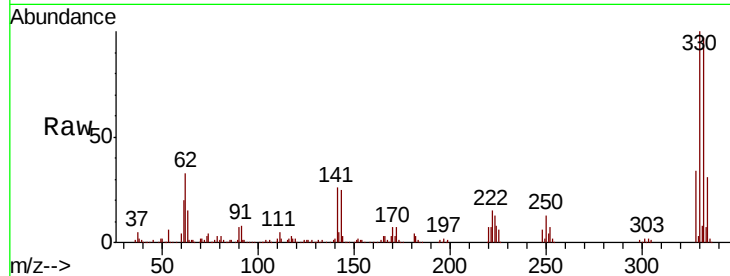




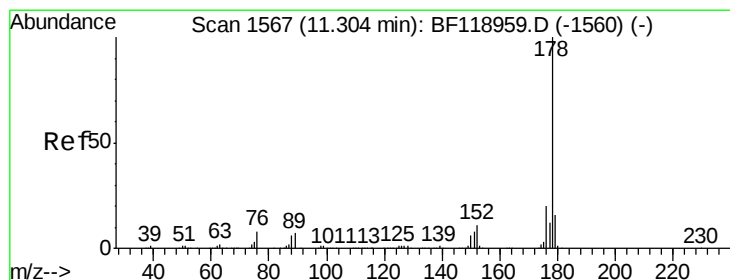
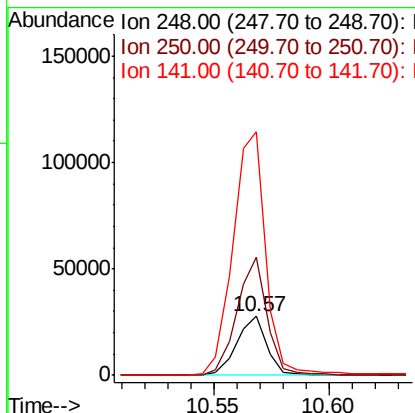
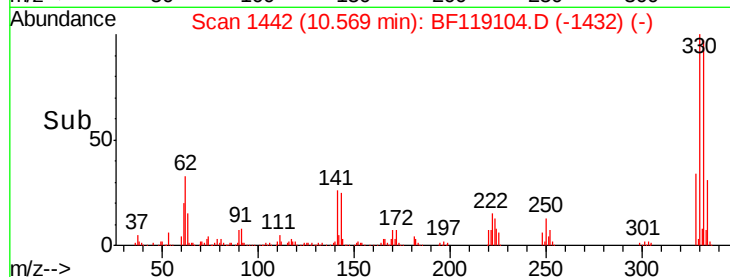
#67
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.24 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 24969
Ion Ratio Lower Upper
248 100
250 201.3 76.7 115.1#
141 413.4 60.7 91.1#

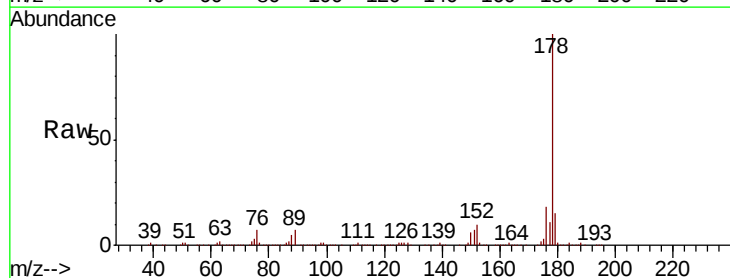


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

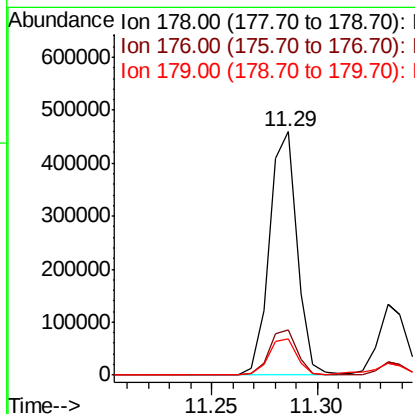
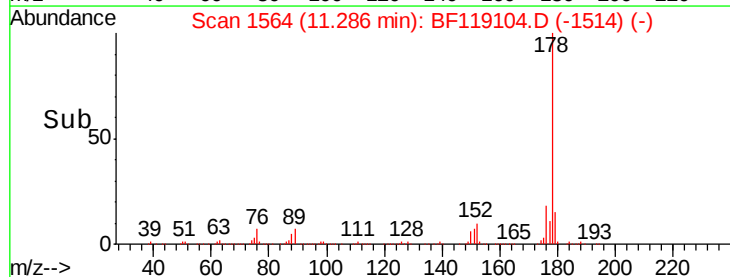


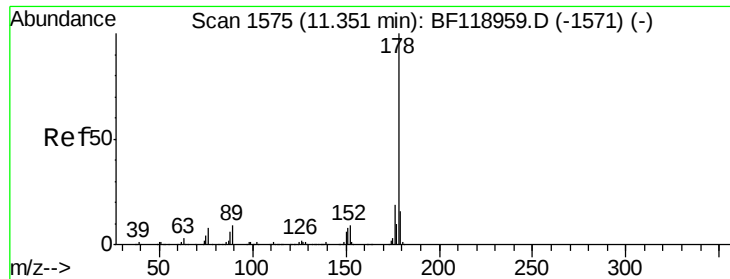
#71
Phenanthrene
Concen: 13.226 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion:178 Resp: 419481
Ion Ratio Lower Upper
178 100
176 18.4 16.5 24.7
179 15.0 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





#72

Anthracene

Concen: 3.794 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Instrument :

BNA_F

ClientSampleId :

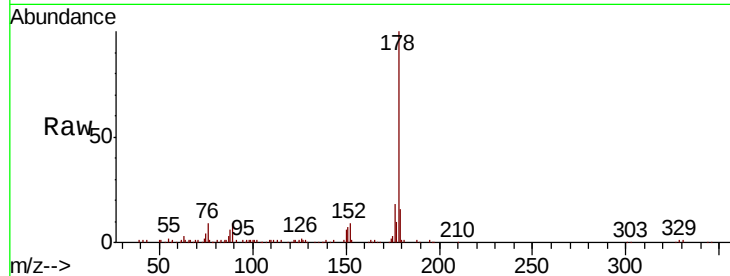
Tot Ion:178 Resp: 120245

Ion Ratio Lower Upper

178 100

176 18.3 16.0 24.0

179 16.2 13.1 19.7

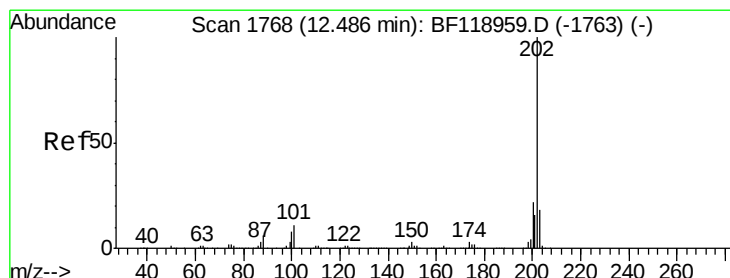
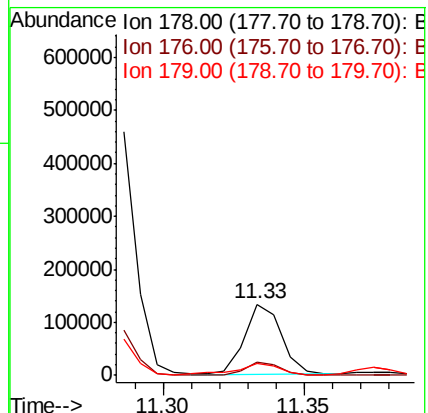
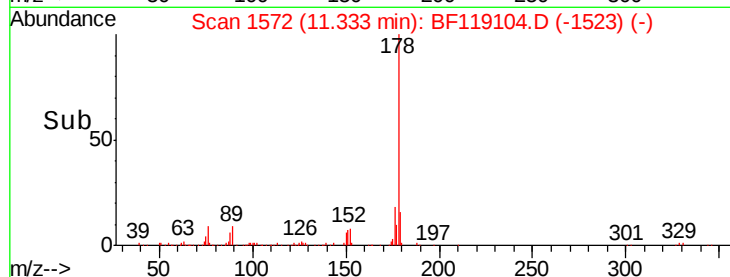


Abundance

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: 22.380 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

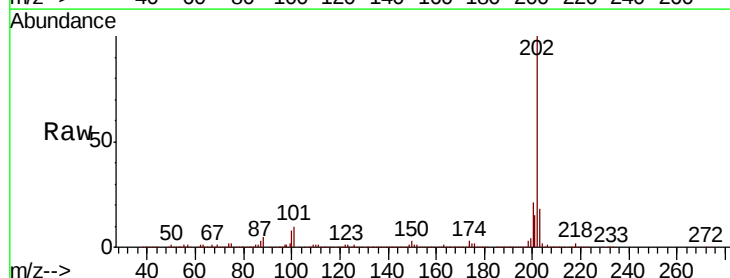
Tgt Ion:202 Resp: 753463

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.3

203 18.5 0.0 38.4

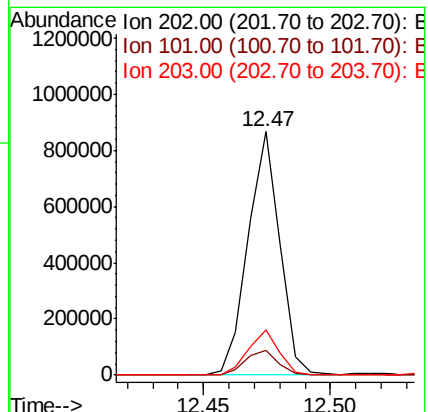
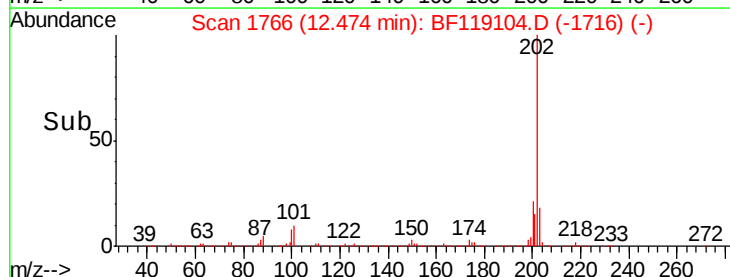


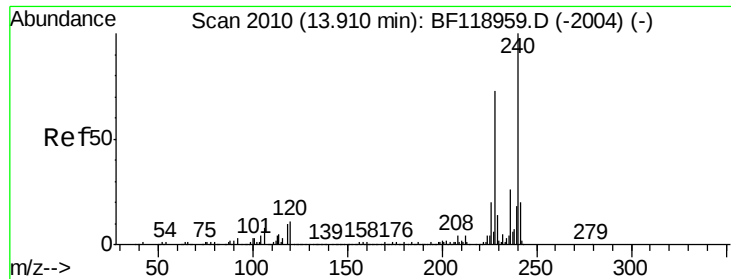
Abundance

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

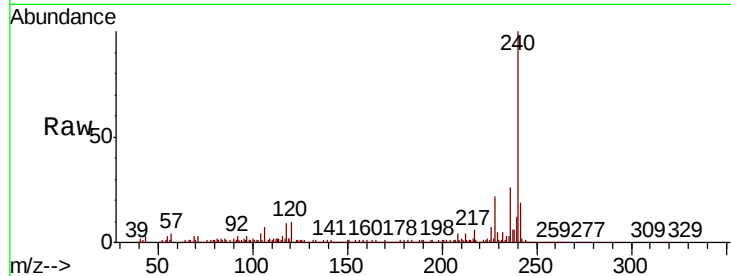




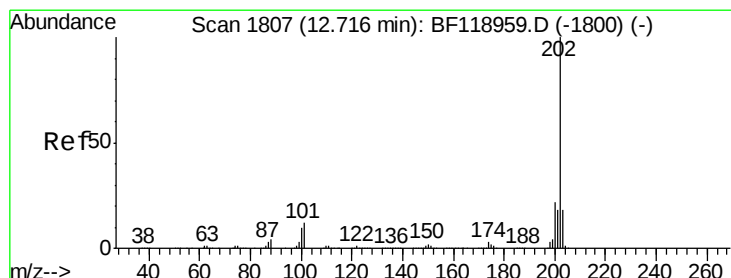
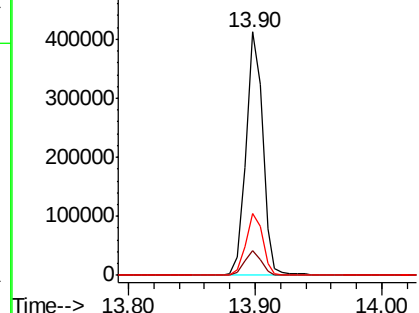
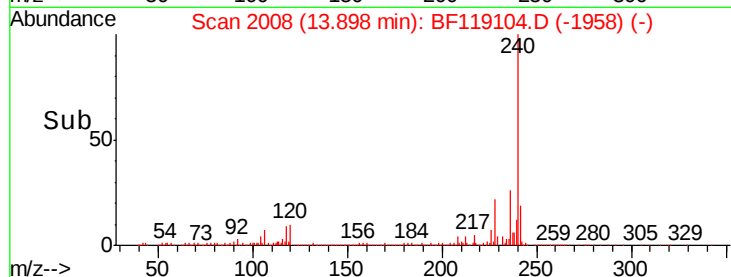
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	25.7	21.0	31.4

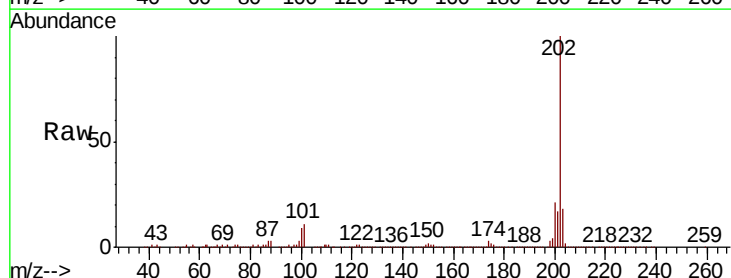


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

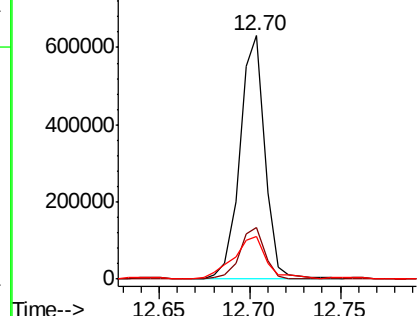
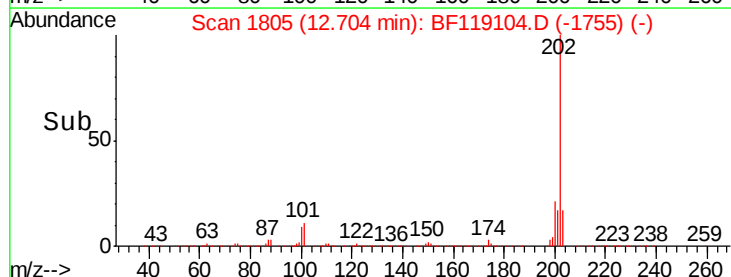


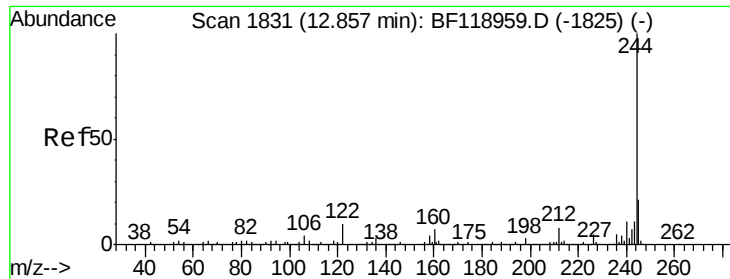
#78
Pyrene
Concen: 20.260 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.0	27.0
203	17.5	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: 60.653 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

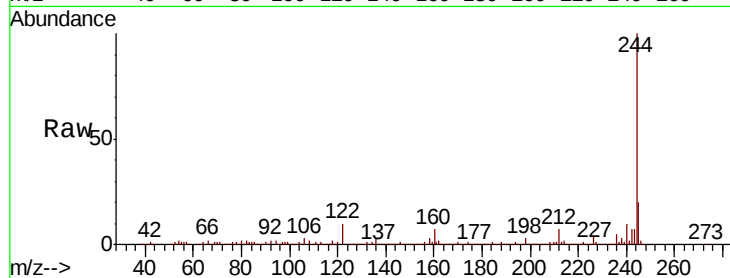
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1309235

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.6	10.0
122	9.9	8.2	12.2

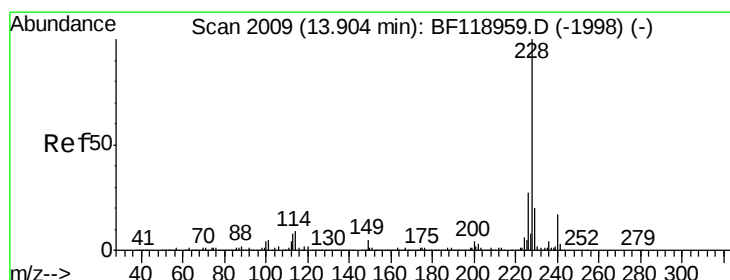
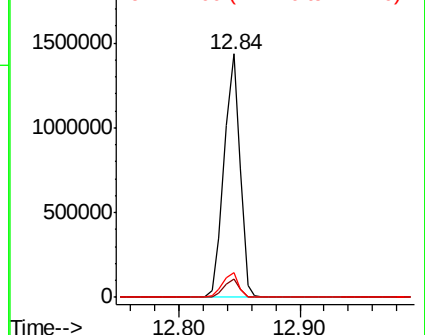
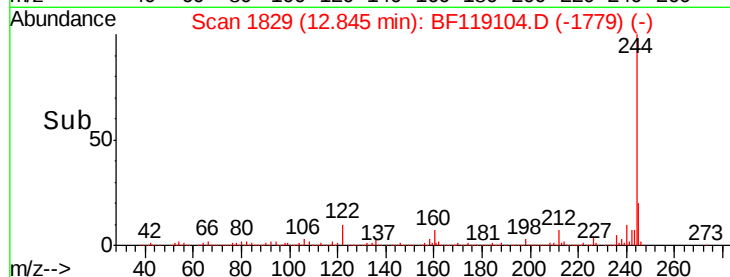


Abundance

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: 9.626 ng

RT: 13.89 min Scan# 2007

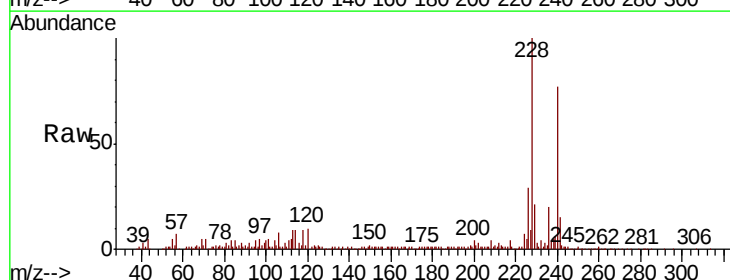
Delta R.T. -0.00 min

Lab File: BF119104.D

Acq: 27 Feb 2020 11:00

Tgt Ion:228 Resp: 243750

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.9	16.6	24.8

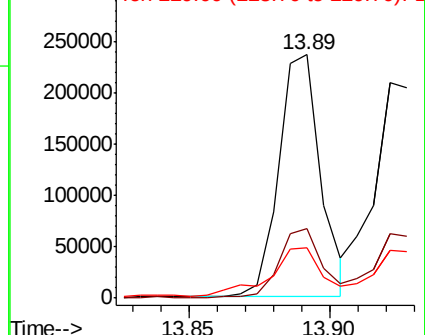
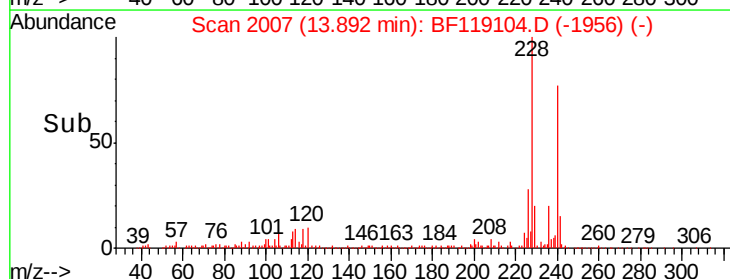


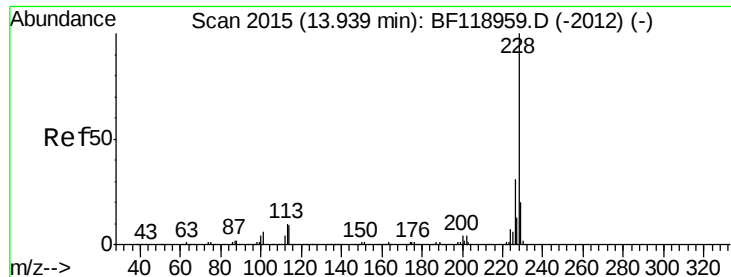
Abundance

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

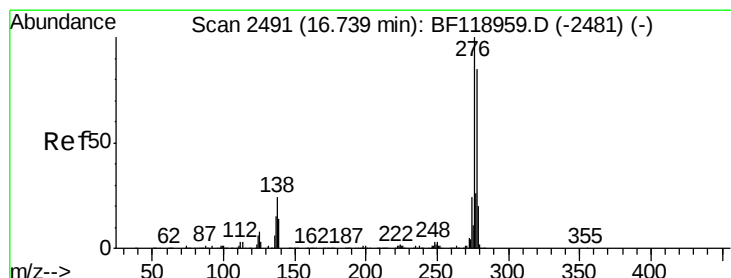
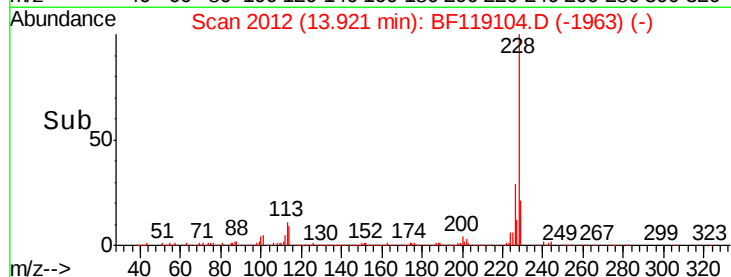
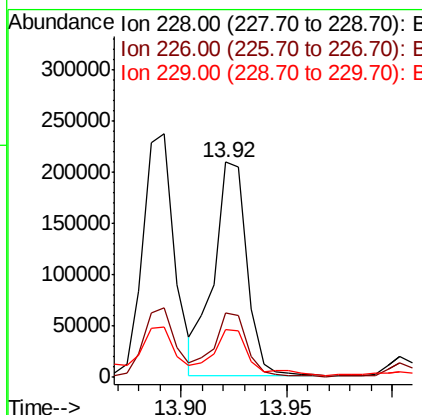
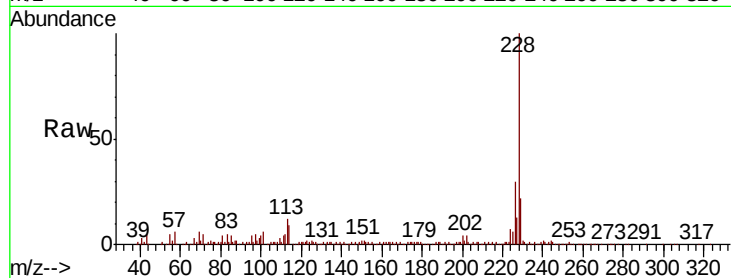




#83
Chrysene
Concen: 9.078 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

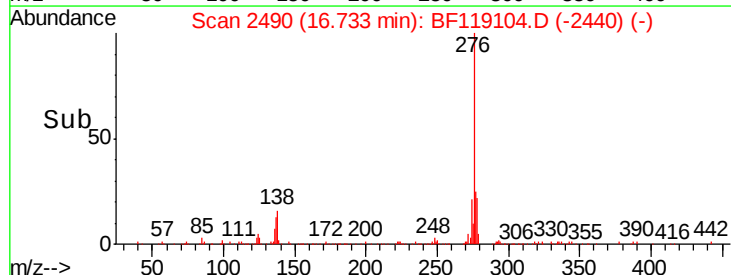
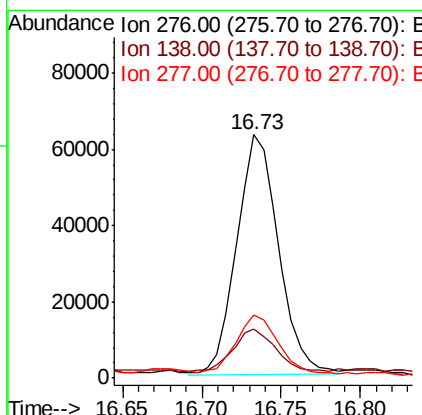
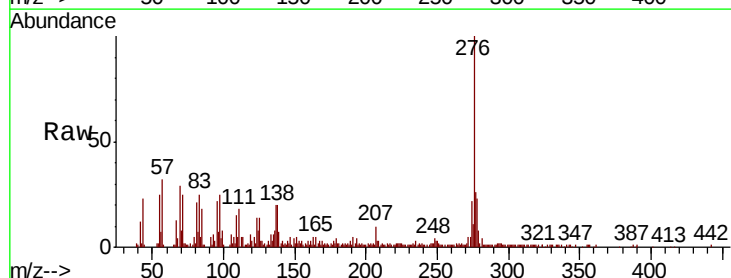
Instrument :
BNA_F
ClientSampleId :

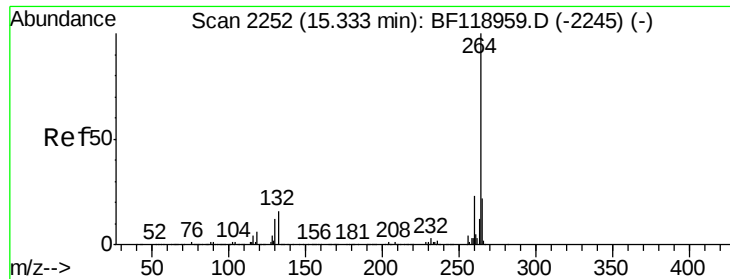
Tot Ion:228	Resp:	229055
Ion Ratio	Lower	Upper
228	100	
226	30.0	25.1 37.7
229	22.0	16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.729 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion:276	Resp:	115522
Ion Ratio	Lower	Upper
276	100	
138	18.0	17.4 26.0
277	24.6	20.3 30.5



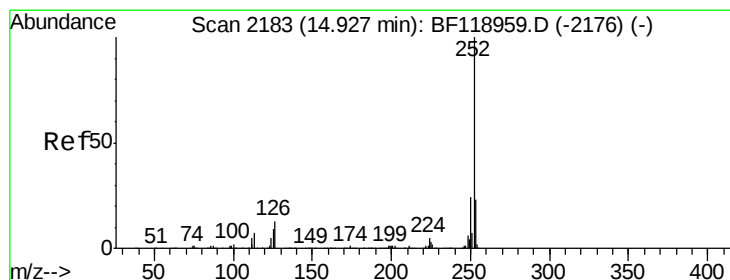
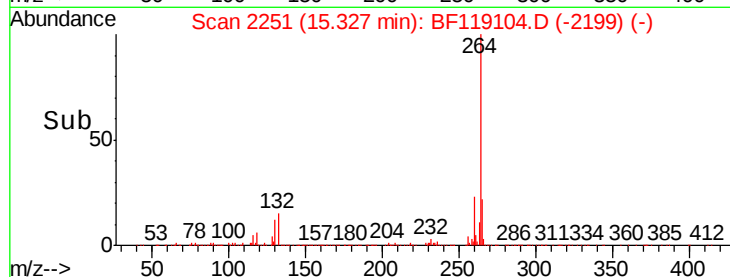
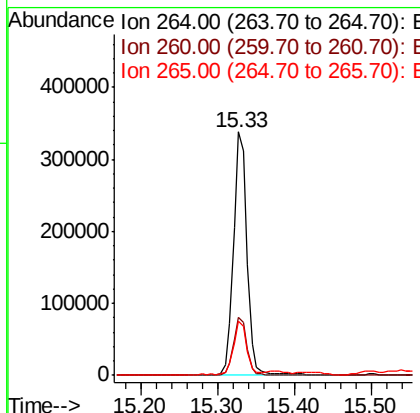
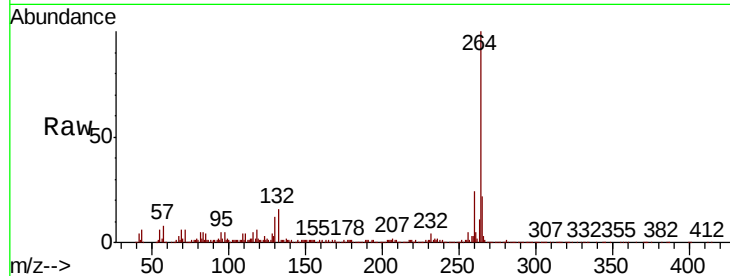


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 414872

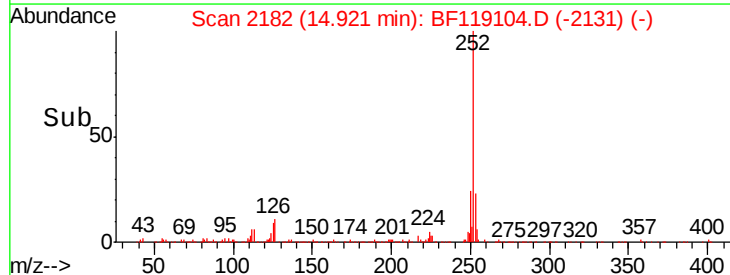
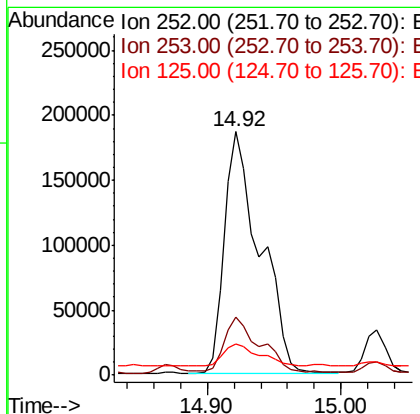
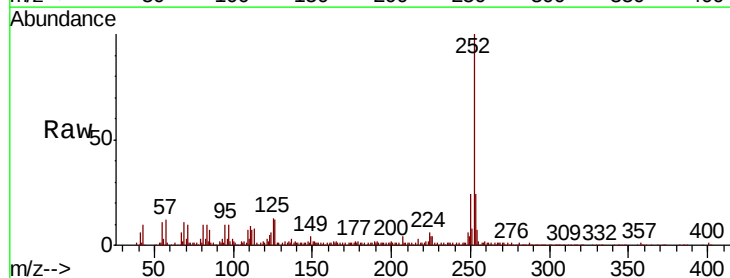
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.3	17.7	26.5

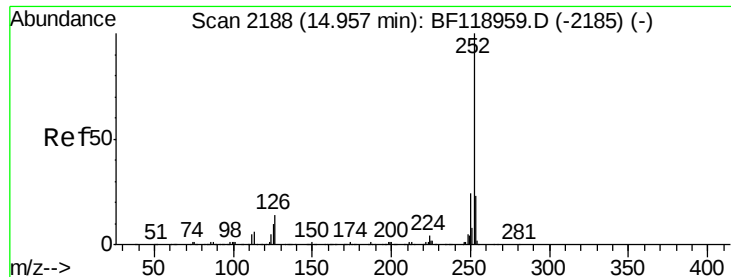


#88
Benzo(b)fluoranthene
Concen: 12.758 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion:252 Resp: 348887

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	12.7	7.4	11.0

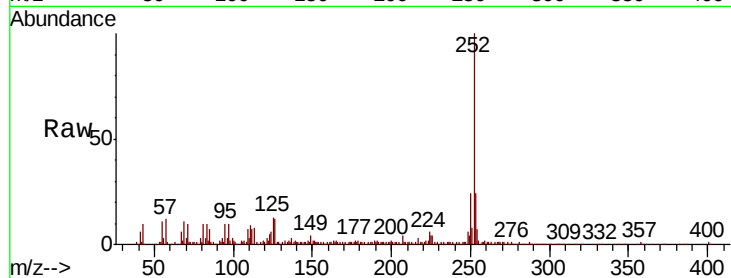




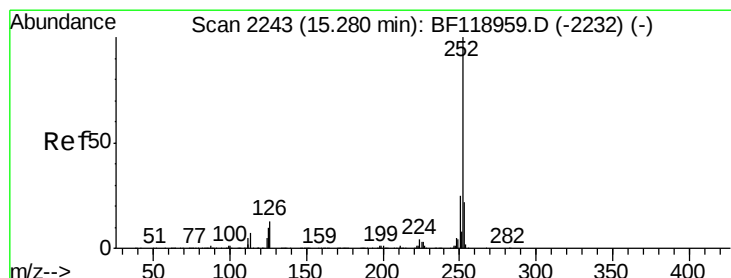
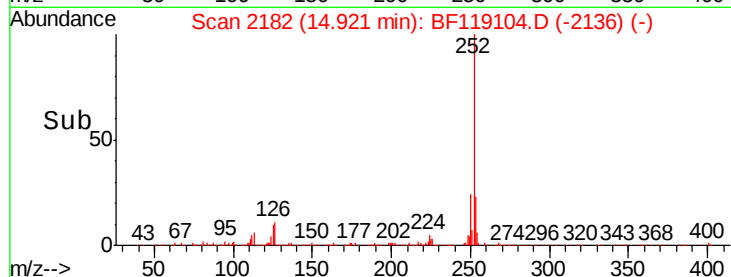
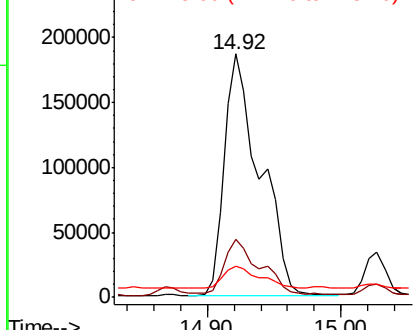
#89
Benzo(k)fluoranthene
Concen: 13.767 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.03 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 348887
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 12.7 7.5 11.3#

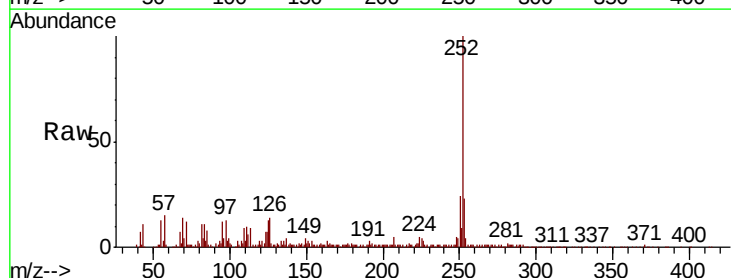


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

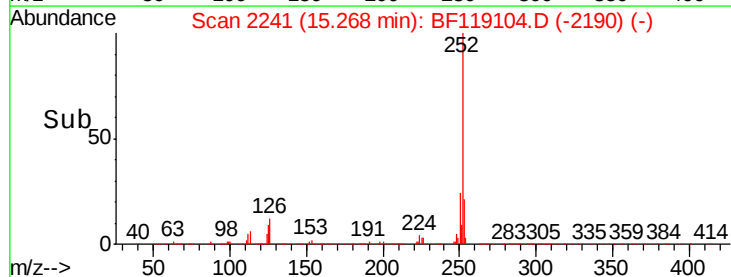
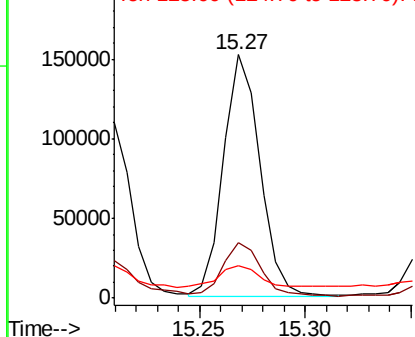


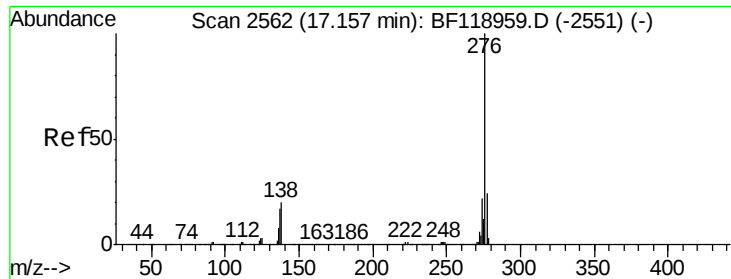
#90
Benzo(a)pyrene
Concen: 7.354 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119104.D
Acq: 27 Feb 2020 11:00

Tgt Ion:252 Resp: 181497
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 13.4 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

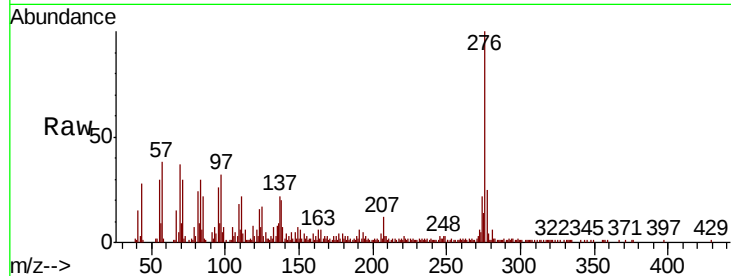




#92
 Benzo(a,h,i)perylene
 Concen: 4.996 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. -0.00 min
 Lab File: BF119104.D
 Acq: 27 Feb 2020 11:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	20.2	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

