

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
 Data File : BF118151.D
 Acq On : 9 Dec 2019 18:25
 Operator : JU
 Sample : K6187-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 00:55:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	106499	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	407923	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	201467	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	334829	20.00	ng	0.00
76) Chrysene-d12	14.06	240	214298	20.00	ng	-0.01
87) Perylene-d12	15.55	264	286900	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	555942	91.43	ng	0.00
7) Phenol-d6	6.50	99	691038	93.96	ng	0.00
23) Nitrobenzene-d5	7.43	82	420651	58.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	203490	83.14	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	836956	63.21	ng	0.00
79) Terphenyl-d14	13.00	244	702679	56.39	ng	0.00

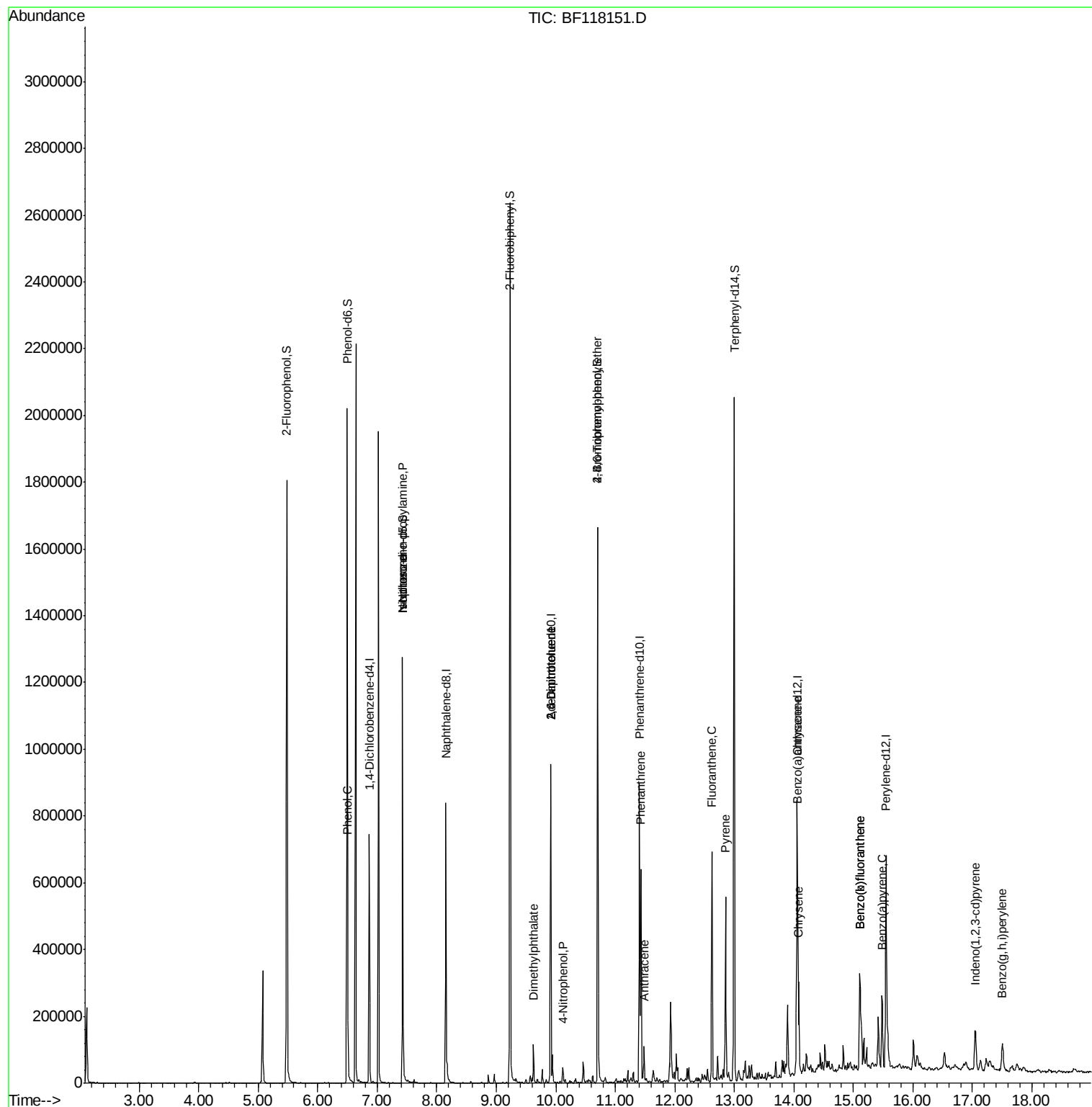
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	1399	Below Cal	#	1
10) Phenol	6.51	94	37827	4.510	ng	100
19) n-Nitroso-di-n-propylamine	7.43	70	56455	12.632	ng	# 76
25) Isophorone	7.43	82	420647	34.221	ng	# 62
50) Dimethylphthalate	9.63	163	53331	3.584	ng	99
51) 2,6-Dinitrotoluene	9.92	165	26532	8.199	ng	# 26
56) 4-Nitrophenol	10.12	139	7048	2.667	ng	# 7
57) 2,4-Dinitrotoluene	9.92	165	26532	6.143	ng	# 24
67) 4-Bromophenyl-phenylether	10.70	248	12503	3.271	ng	# 1
71) Phenanthrene	11.43	178	240290	13.500	ng	99
72) Anthracene	11.48	178	45573	2.567	ng	97
75) Fluoranthene	12.63	202	284594	15.639	ng	99
78) Pvrene	12.86	202	229774	13.606	ng	96
81) Benzo(a)anthracene	14.04	228	122009	8.234	ng	95
83) Chrysene	14.08	228	104677	7.395	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	79056	6.638	ng	98
88) Benzo(b)fluoranthene	15.11	252	216055	11.387	ng	98
89) Benzo(k)fluoranthene	15.11	252	216055	11.853	ng	# 95
90) Benzo(a)pvrene	15.48	252	104160	6.215	ng	96
92) Benzo(a,h,i)perylene	17.50	276	70493	5.104	ng	100

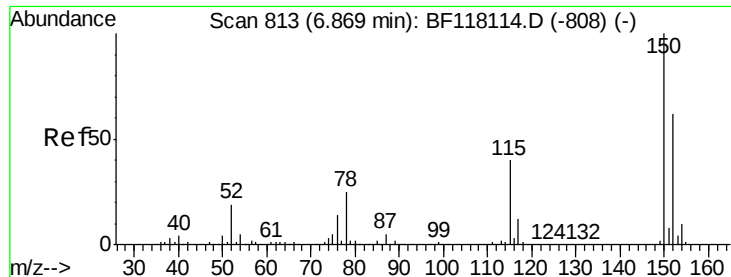
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118151.D
Acq On : 9 Dec 2019 18:25
Operator : JU
Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 10 00:55:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration

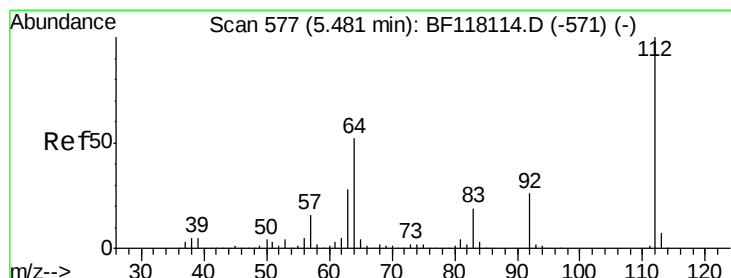
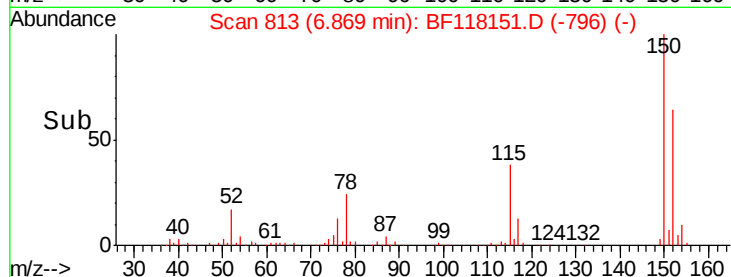
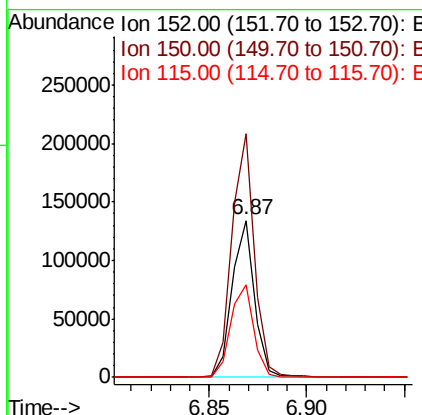
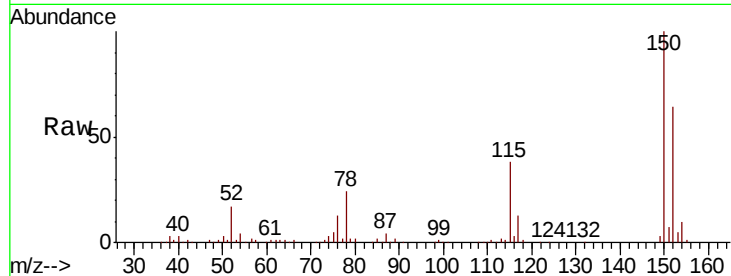




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

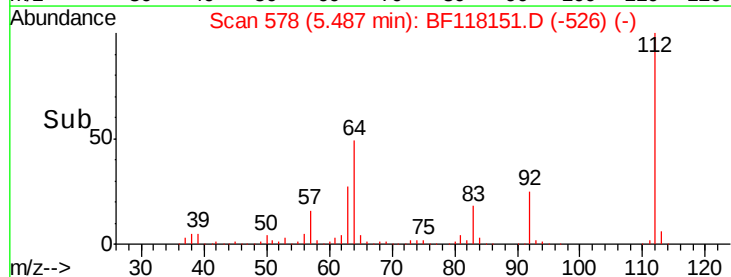
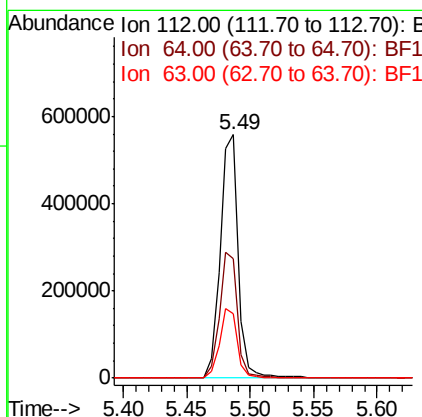
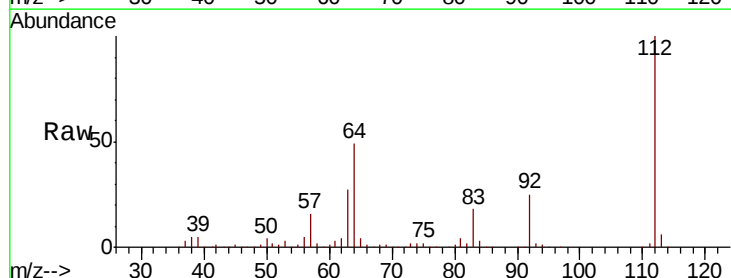
Instrument :
 BNA_F
 ClientSampleId :

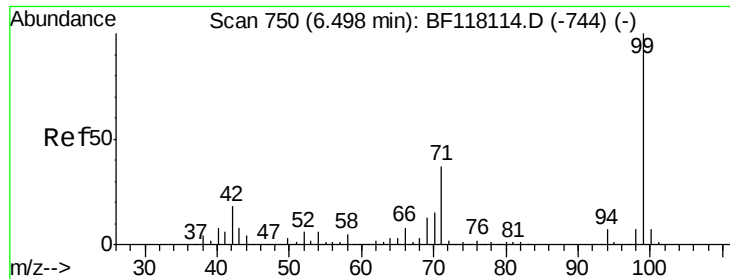
Tot Ion:152 Resp: 106499
 Ion Ratio Lower Upper
 152 100
 150 155.5 128.3 192.5
 115 59.2 51.1 76.7



#5
 2-Fluorophenol
 Concen: 91.429 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Tgt Ion:112 Resp: 555942
 Ion Ratio Lower Upper
 112 100
 64 48.9 41.3 61.9
 63 26.6 22.4 33.6





#7

Phenol-d6

Concen: 93.960 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

ClientSampleId :

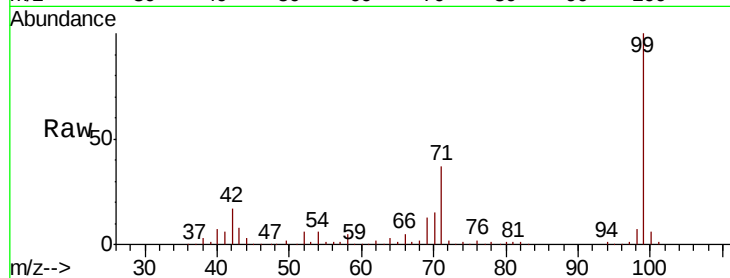
Tot Ion: 99 Resp: 691038

Ion Ratio Lower Upper

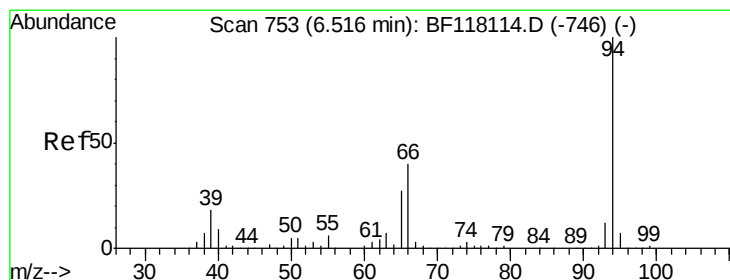
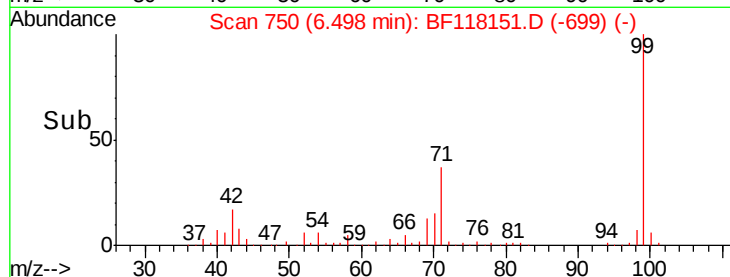
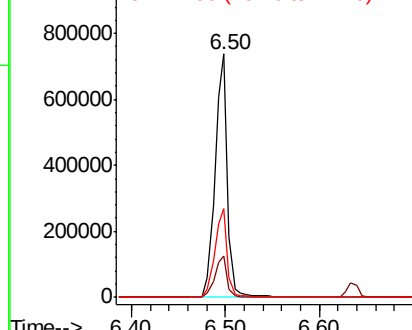
99 100

42 17.1 14.1 21.1

71 36.5 29.7 44.5



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



#10

Phenol

Concen: 4.510 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

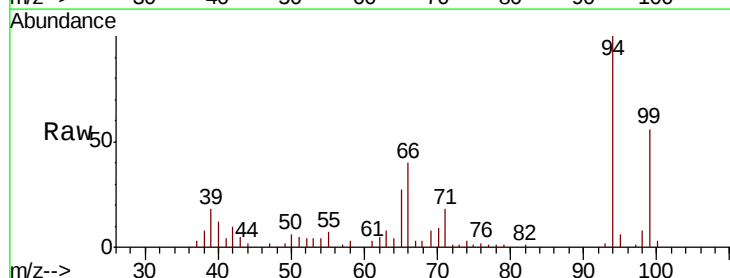
Tgt Ion: 94 Resp: 37827

Ion Ratio Lower Upper

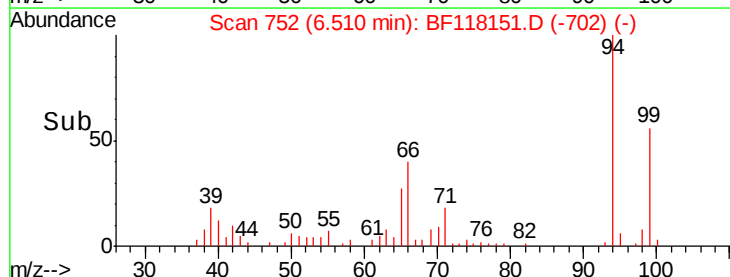
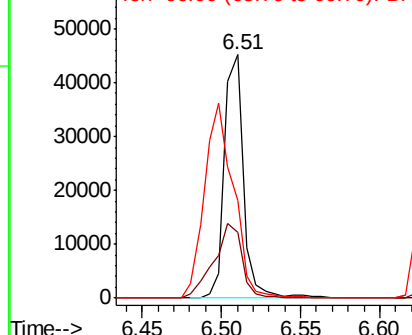
94 100

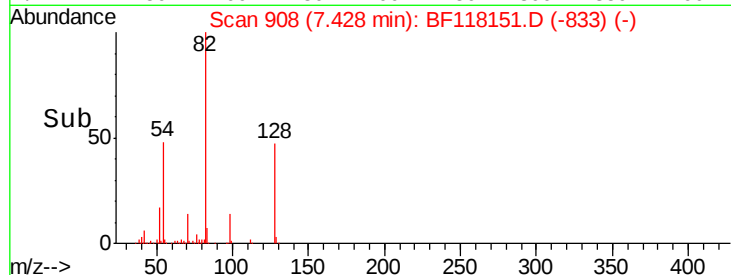
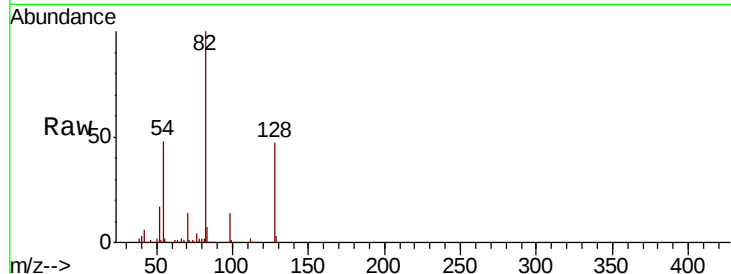
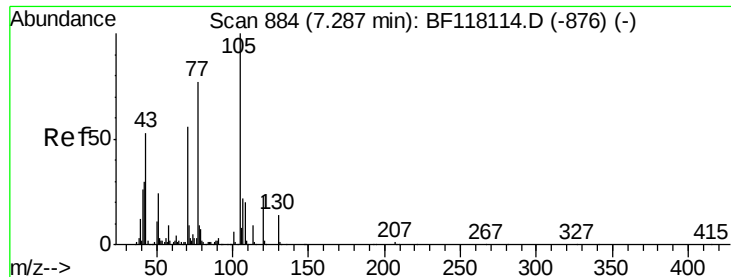
65 26.8 7.3 47.3

66 40.1 20.2 60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

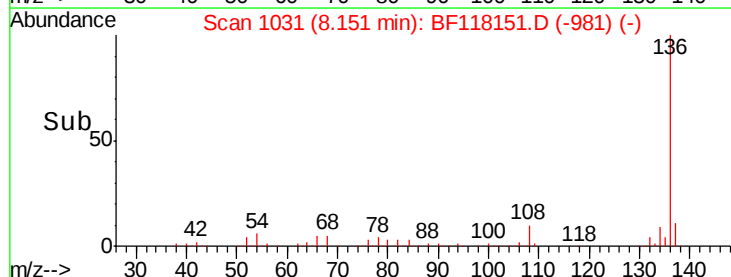
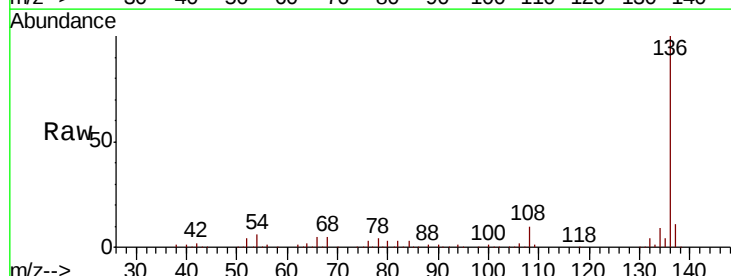
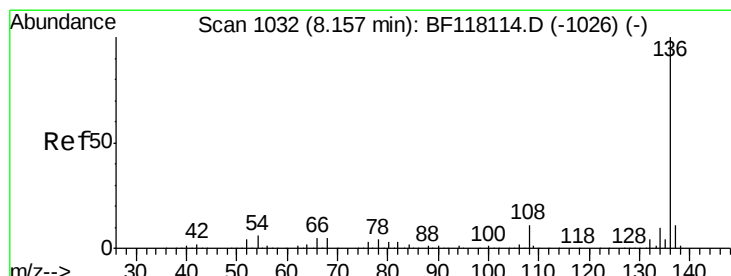
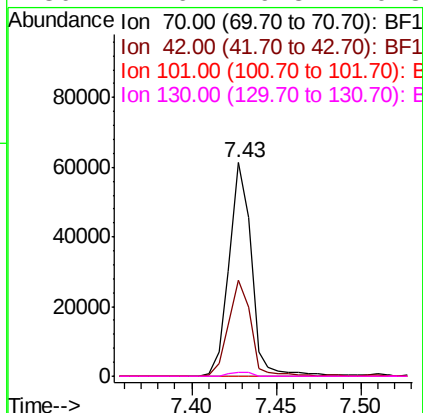




#19
n-Nitroso-di-n-propylamine
Concen: 12.632 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

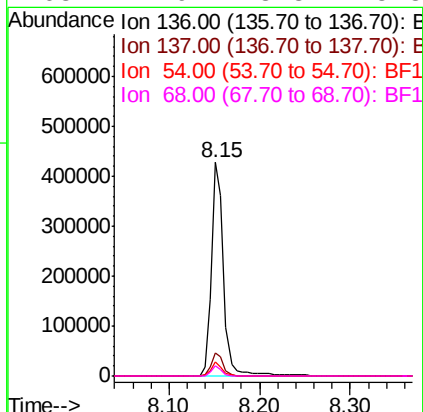
Instrument :
BNA_F
ClientSampled :

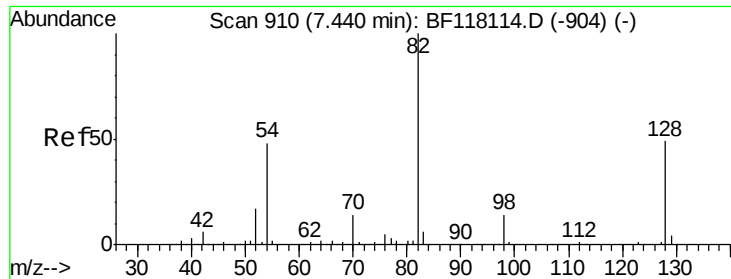
Tot Ion: 70 Resp: 56455
Ion Ratio Lower Upper
70 100
42 44.7 43.2 64.8
101 0.0 8.1 12.1#
130 1.6 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 136 Resp: 407923
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.5 5.0 7.6
68 4.9 3.8 5.8

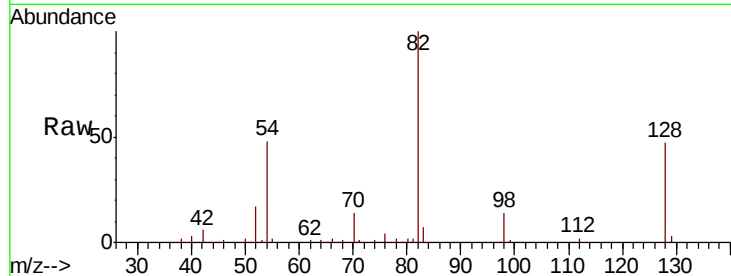




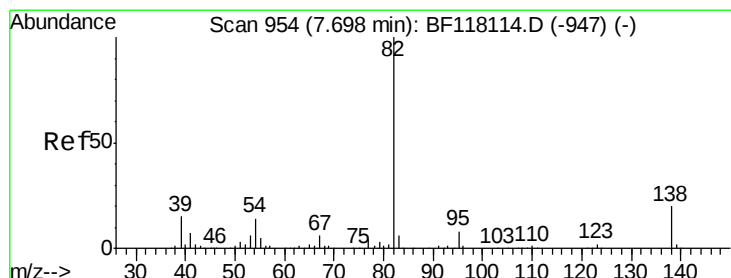
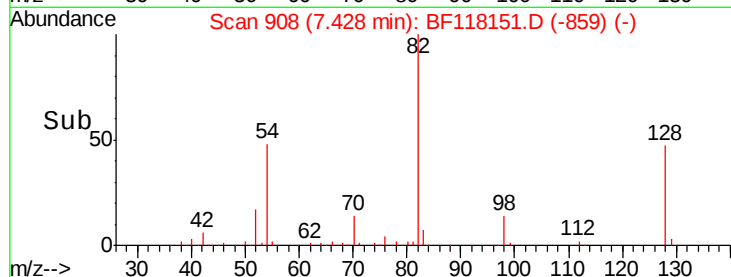
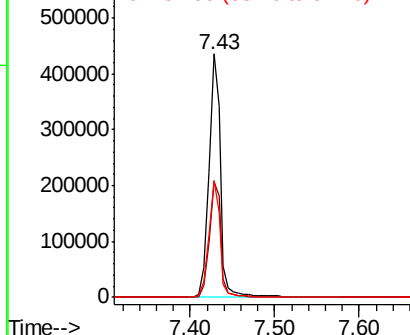
#23
Nitrobenzene-d5
Concen: 58.013 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 420651
Ion Ratio Lower Upper
82 100
128 47.4 39.1 58.7
54 48.3 38.2 57.2

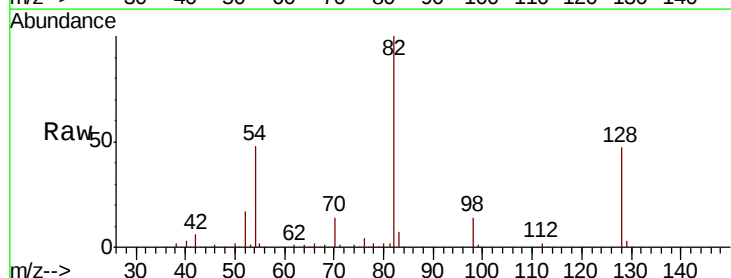


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

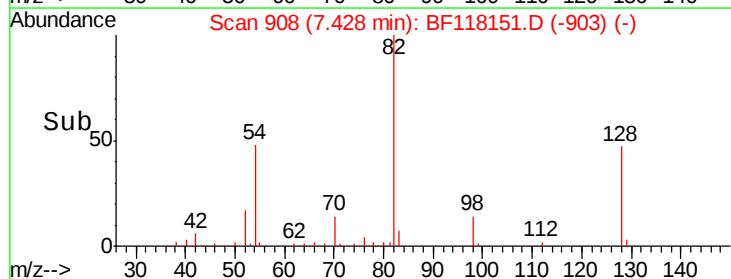
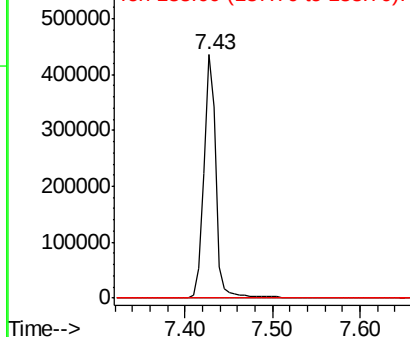


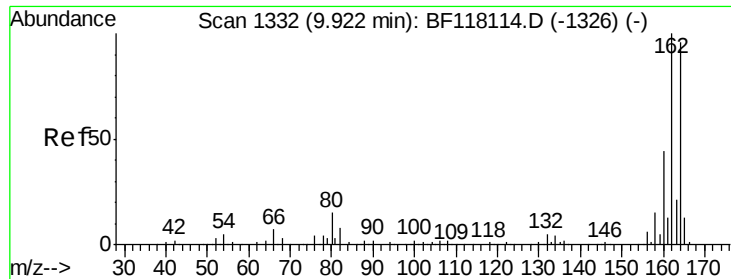
#25
Isophorone
Concen: 34.221 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.27 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 82 Resp: 420647
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 16.3 24.5#



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): BF1

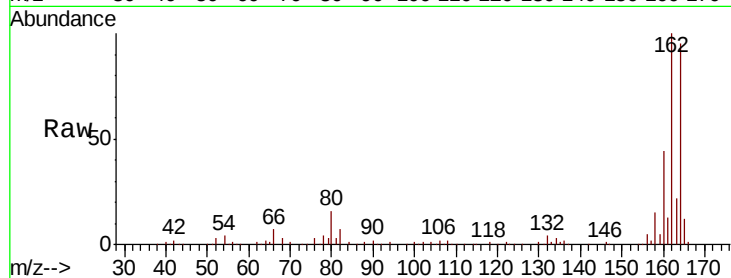




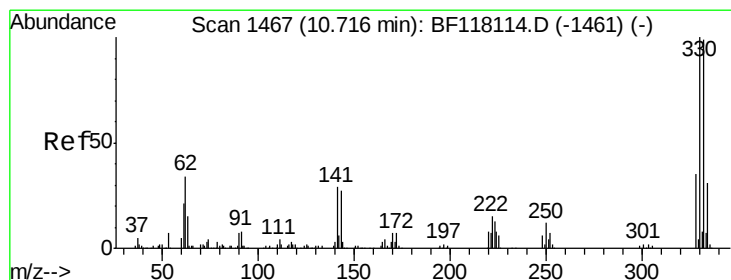
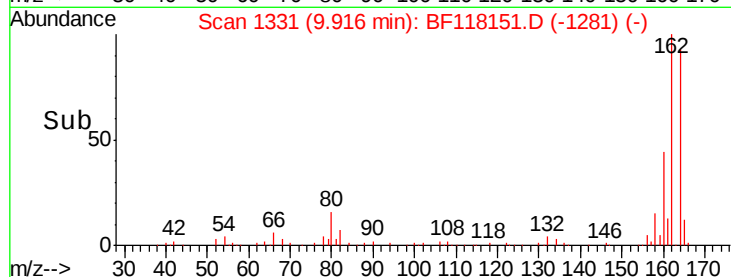
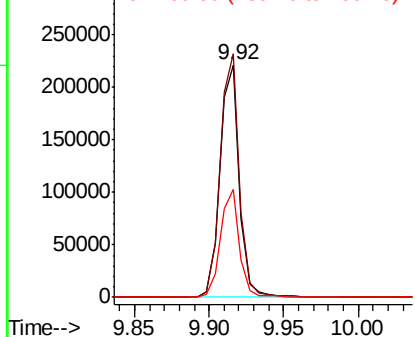
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 201467
Ion Ratio Lower Upper
164 100
162 104.9 83.4 125.0
160 46.6 36.6 54.8

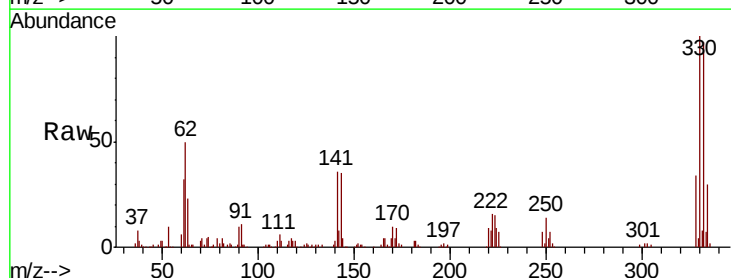


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

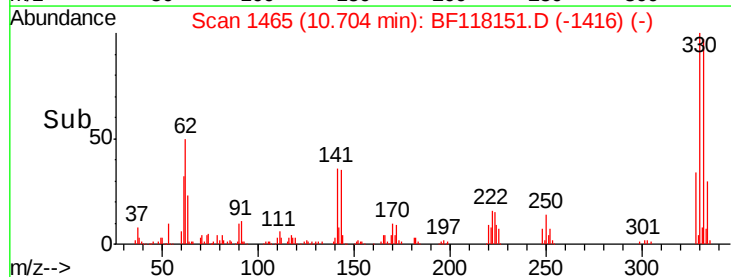
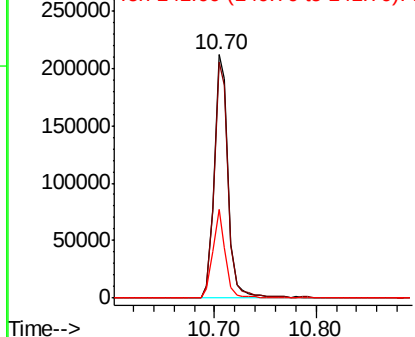


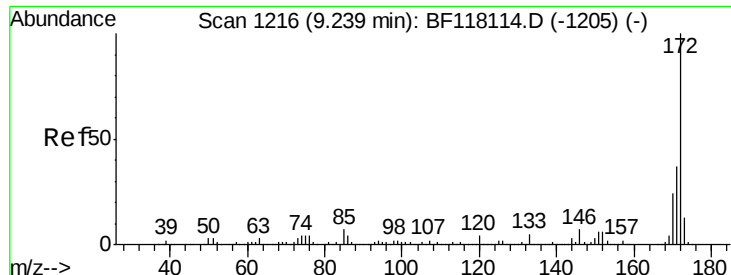
#42
2,4,6-Tribromophenol
Concen: 83.143 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion:330 Resp: 203490
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 33.1 26.9 40.3



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

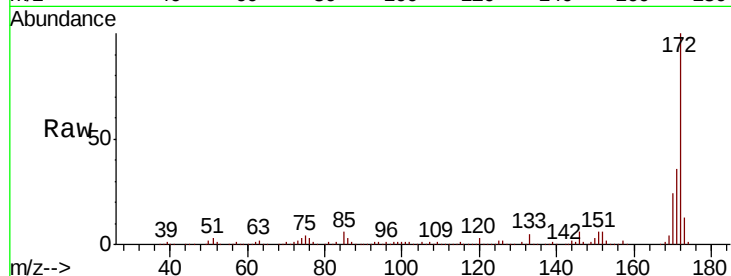




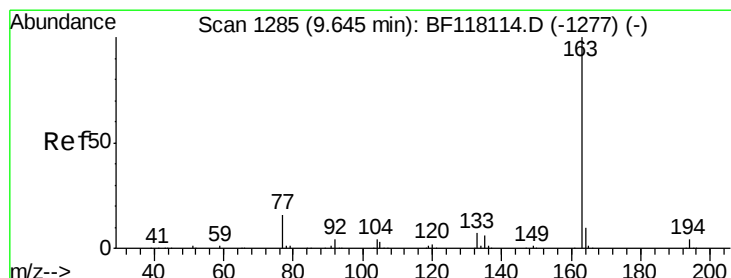
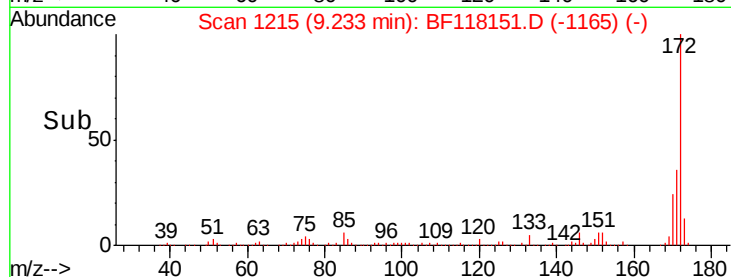
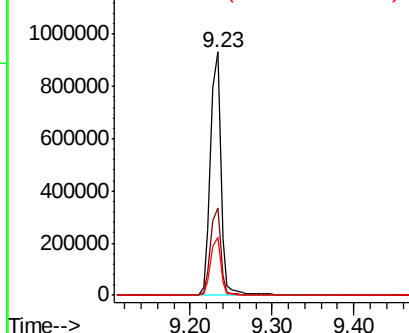
#45
2-Fluorobiphenyl
Concen: 63.214 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 836956
Ion Ratio Lower Upper
172 100
171 36.2 29.2 43.8
170 23.9 19.4 29.2

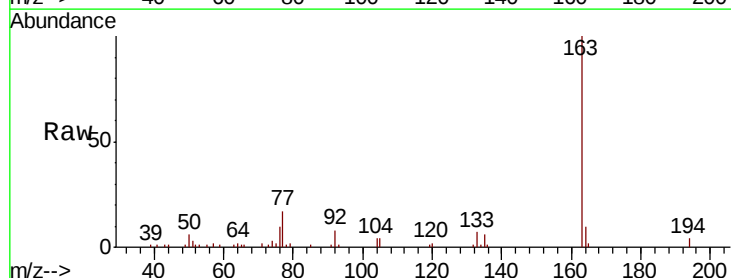


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

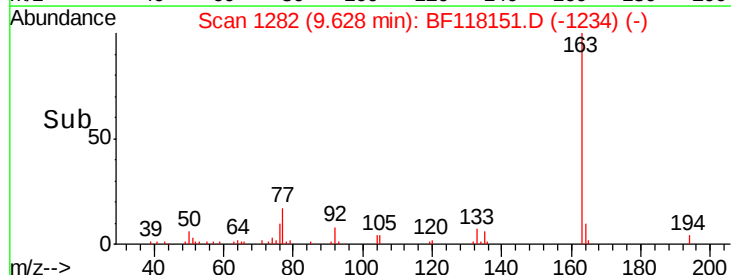
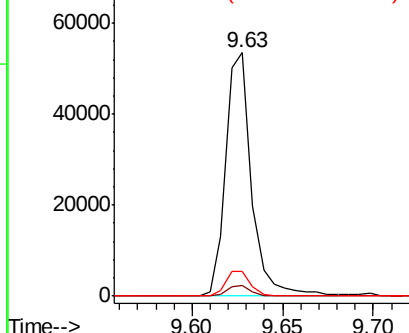


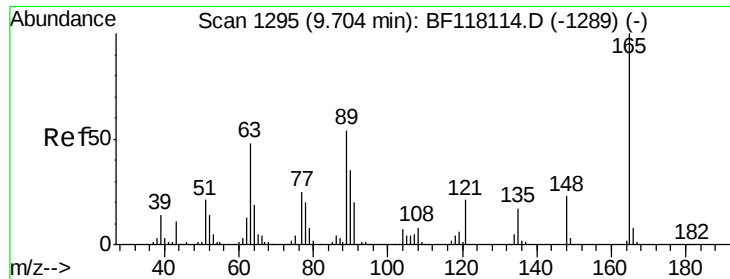
#50
Dimethylphthalate
Concen: 3.584 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion:163 Resp: 53331
Ion Ratio Lower Upper
163 100
194 4.5 3.1 4.7
164 10.0 7.7 11.5



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

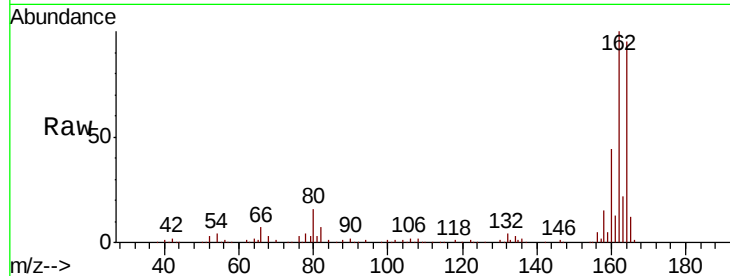




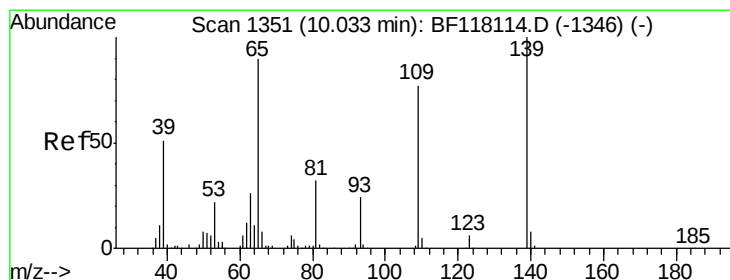
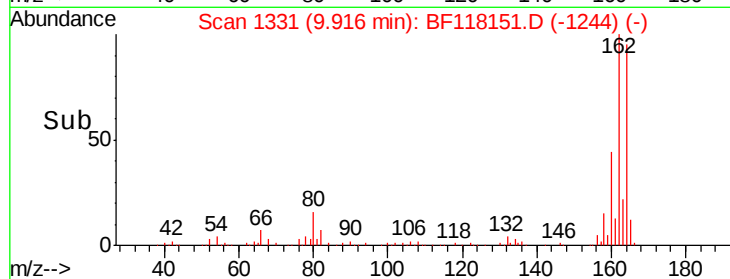
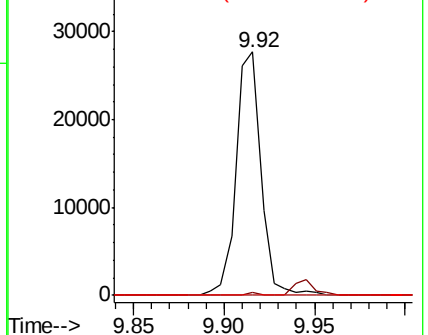
#51
 2,6-Dinitrotoluene
 Concen: 8.199 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	41.4	62.0#
89	0.0	42.9	64.3#

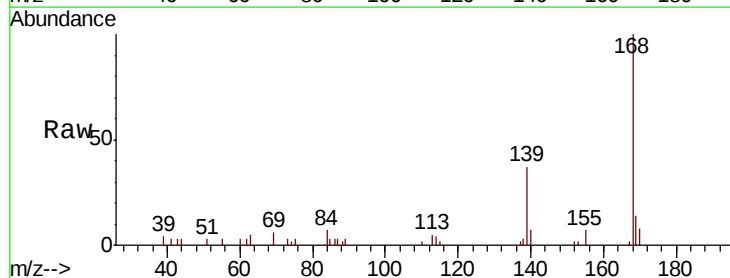


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

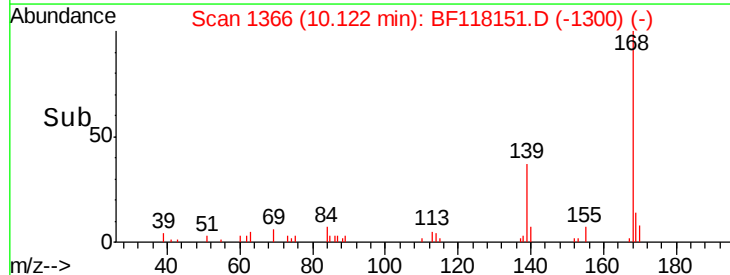
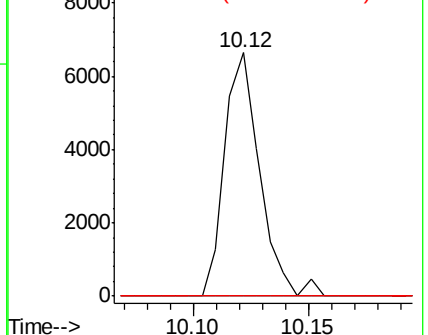


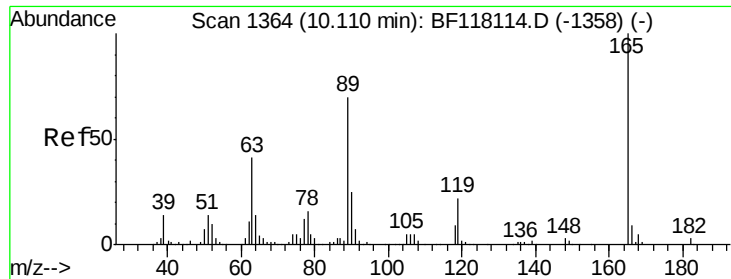
#56
 4-Nitrophenol
 Concen: 2.667 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.09 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	57.3	97.3#
65	0.0	70.2	110.2#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

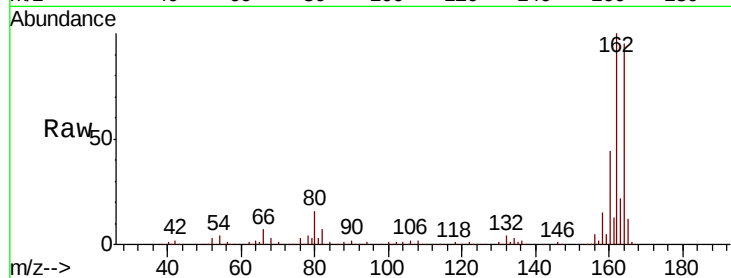




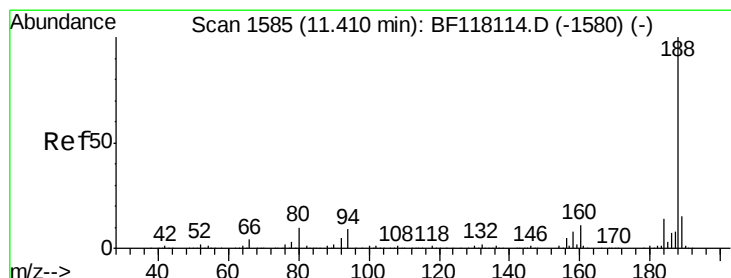
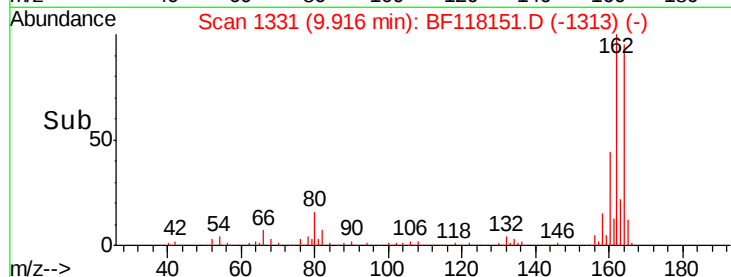
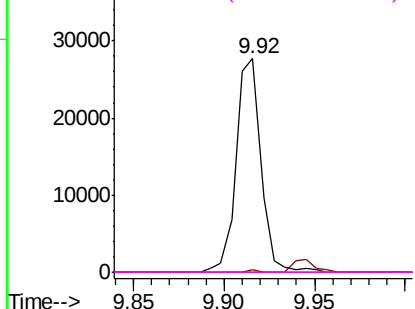
#57
 2,4-Dinitrotoluene
 Concen: 6.143 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	26532
Ion Ratio	Lower	Upper
165	100	
63	1.2	32.6 49.0#
89	0.0	56.1 84.1#
182	0.0	2.1 3.1#

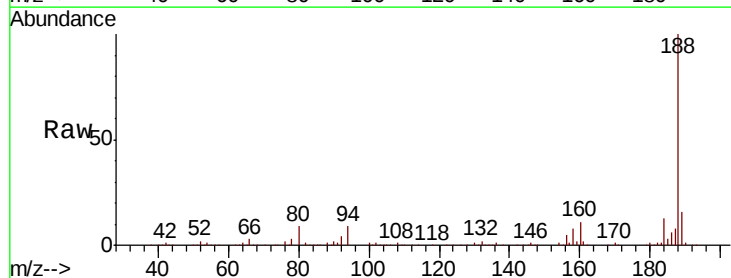


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

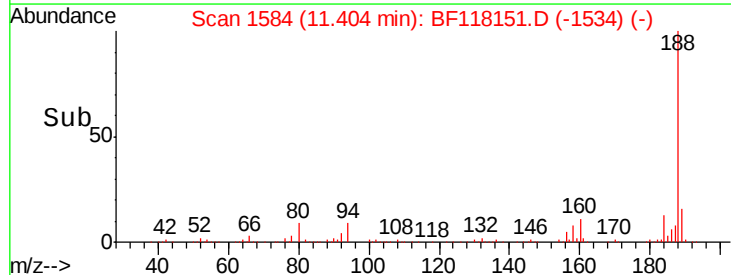
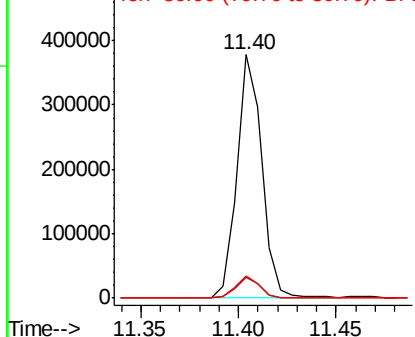


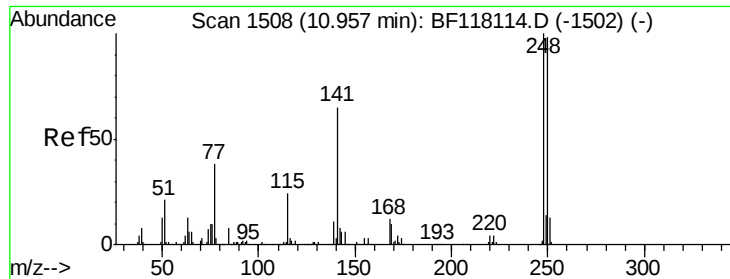
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Tgt Ion:188	Resp:	334829
Ion Ratio	Lower	Upper
188	100	
94	8.7	7.1 10.7
80	9.1	7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

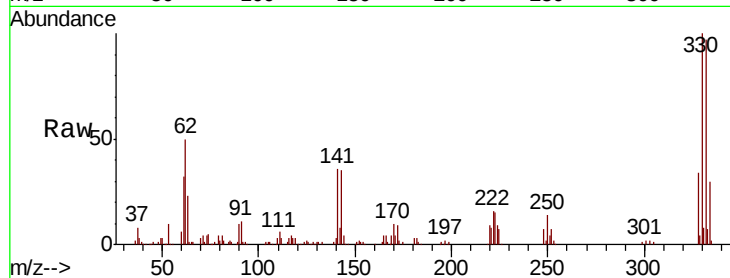




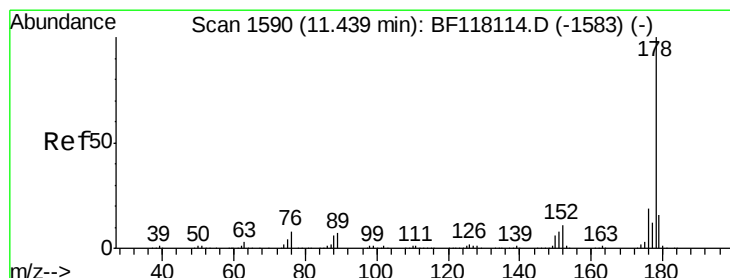
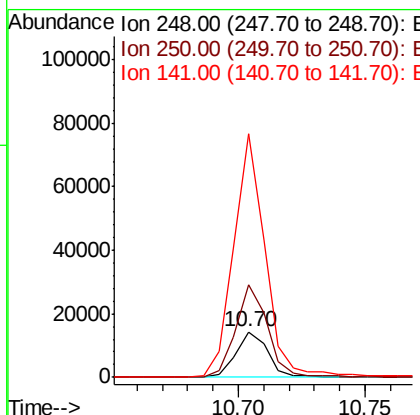
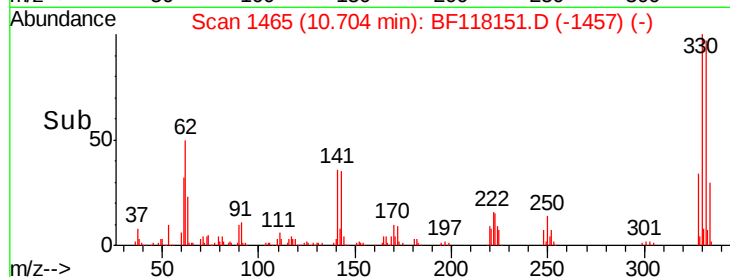
#67
 4-Bromophenyl-phenylether
 Concen: 3.271 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12503
 Ion Ratio Lower Upper
 248 100
 250 203.4 78.3 117.5#
 141 535.6 52.2 78.4#

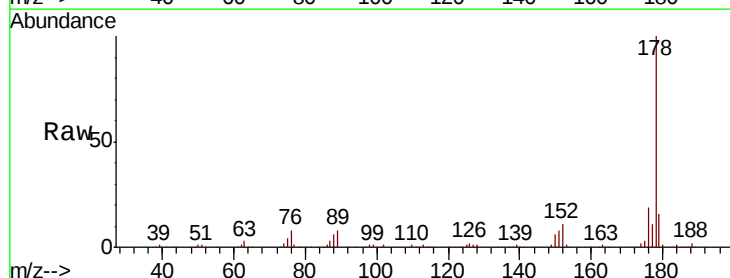


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

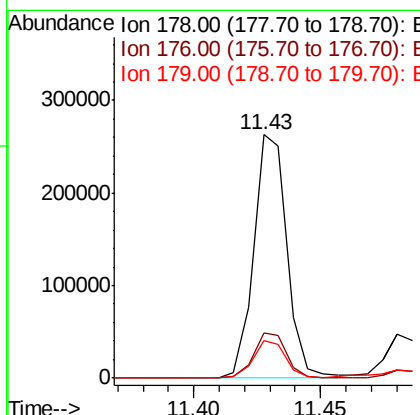
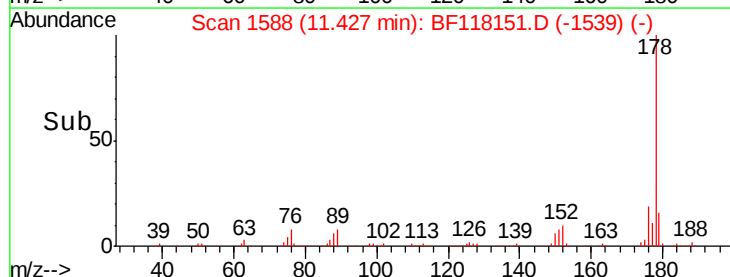


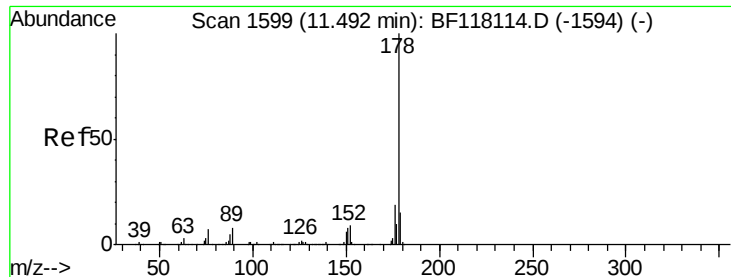
#71
 Phenanthrene
 Concen: 13.500 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Tgt Ion:178 Resp: 240290
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 15.6 12.6 18.8



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





#72

Anthracene

Concen: 2.567 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

ClientSampleId :

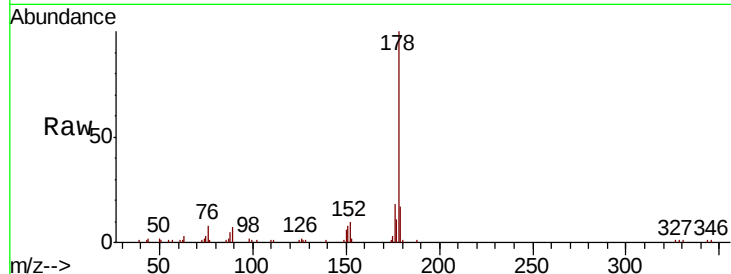
Tot Ion:178 Resp: 45573

Ion Ratio Lower Upper

178 100

176 17.6 15.0 22.6

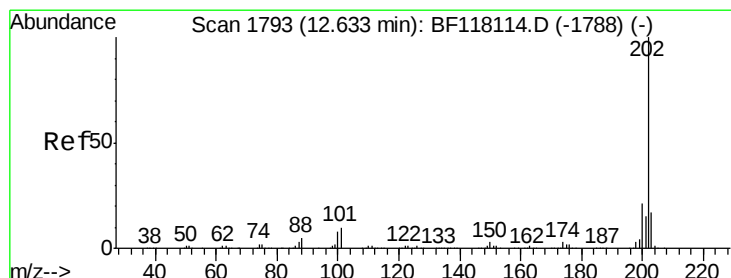
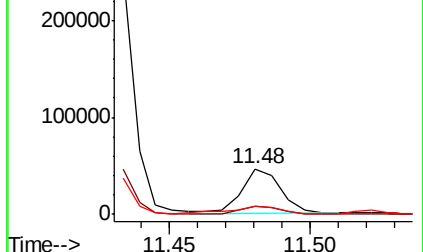
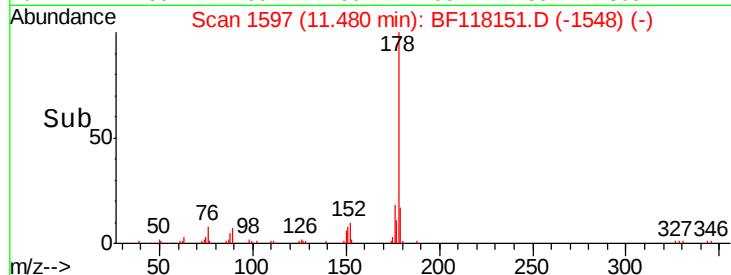
179 17.2 12.2 18.4



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: 15.639 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

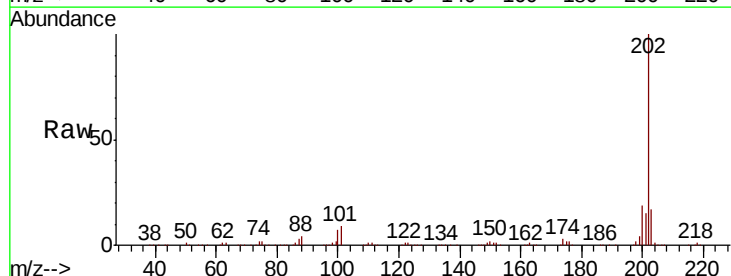
Tgt Ion:202 Resp: 284594

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.4

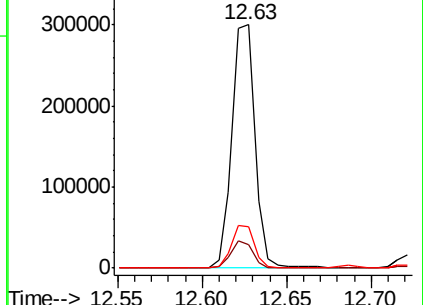
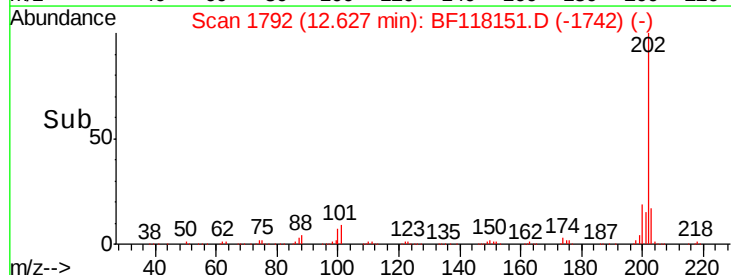
203 16.9 0.0 37.2

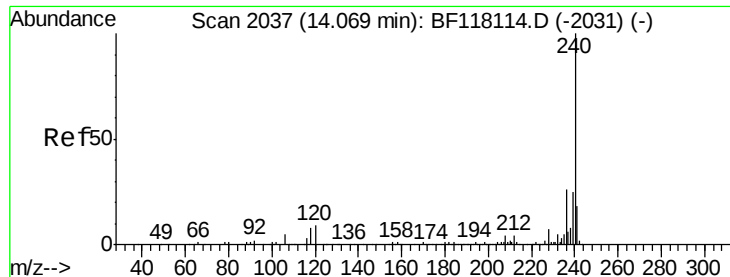


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

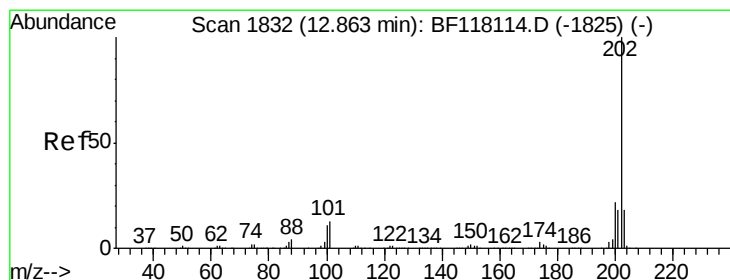
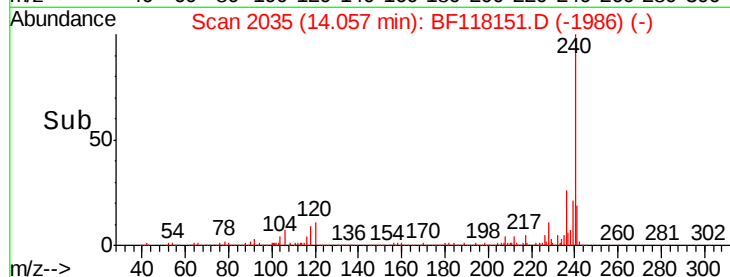
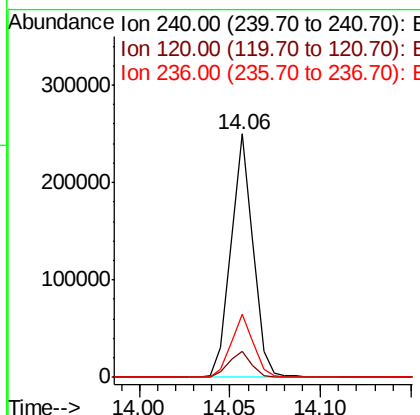
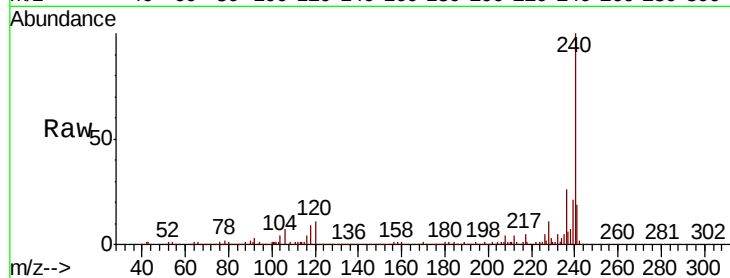




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

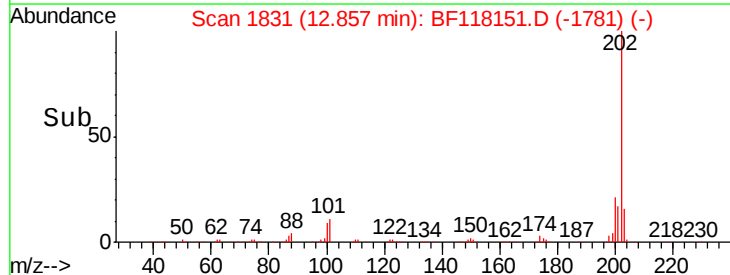
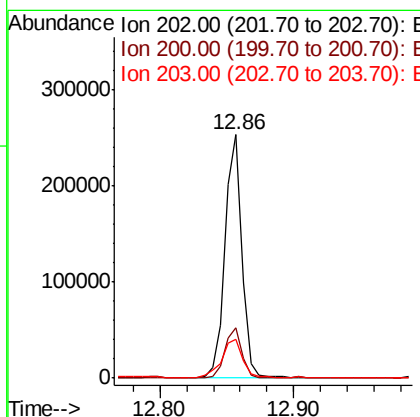
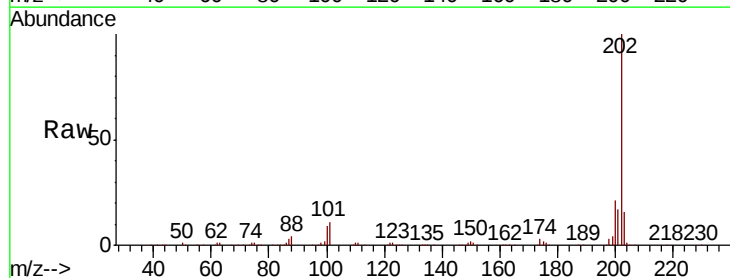
Instrument :
 BNA_F
 ClientSampleId :

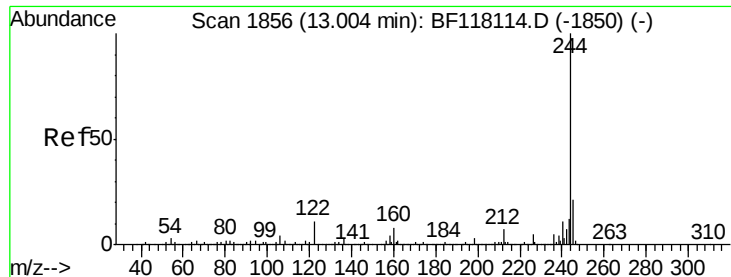
Tot Ion:240 Resp: 214298
 Ion Ratio Lower Upper
 240 100
 120 10.8 7.1 10.7#
 236 25.7 21.0 31.6



#78
 Pyrene
 Concen: 13.606 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Tgt Ion:202 Resp: 229774
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.5 26.3
 203 15.8 14.6 21.8





#79

Terphenyl-d14

Concen: 56.386 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

ClientSampled :

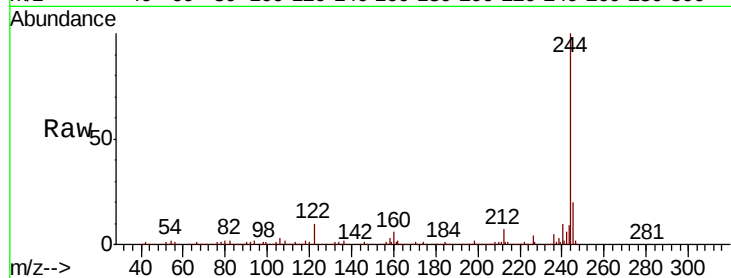
Tot Ion:244 Resp: 702679

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

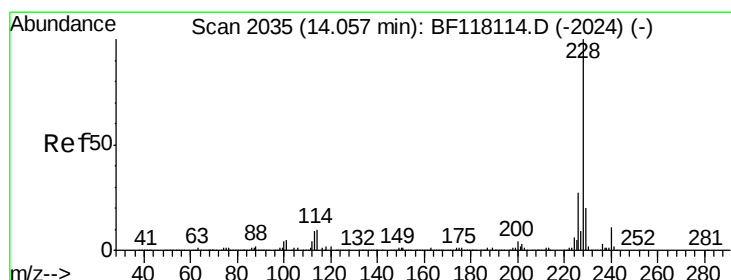
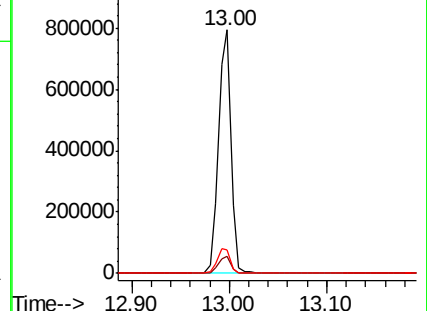
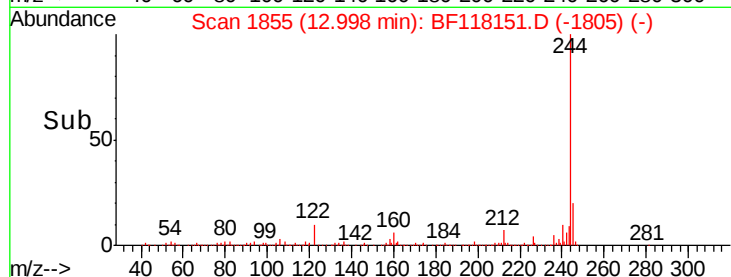
122 9.5 9.0 13.6



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: 8.234 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

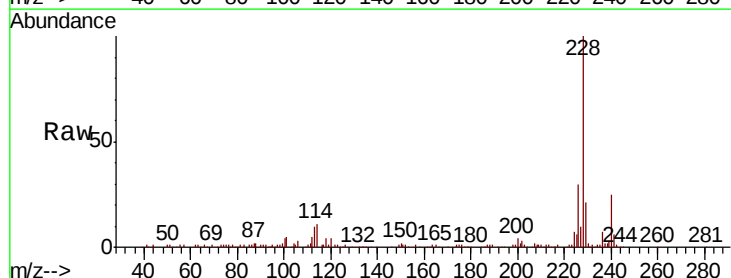
Tgt Ion:228 Resp: 122009

Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.8

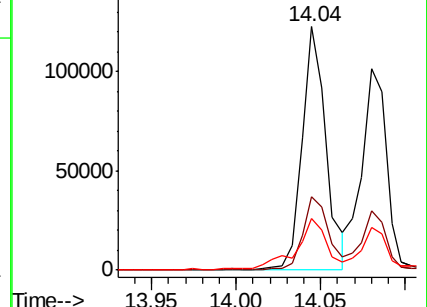
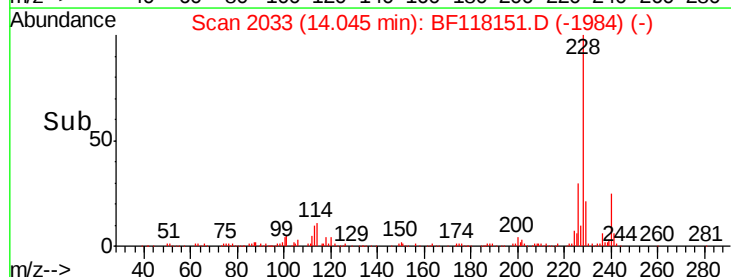
229 21.1 15.8 23.8

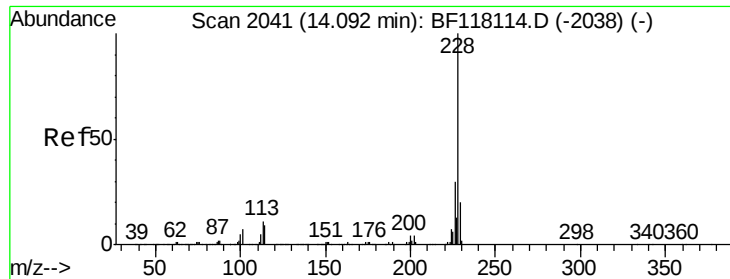


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.395 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

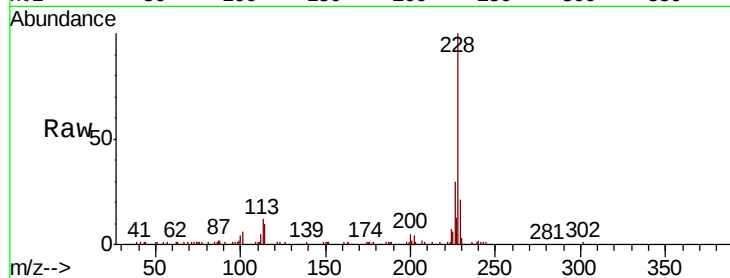
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 104677

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.8
229	21.2	15.7	23.5

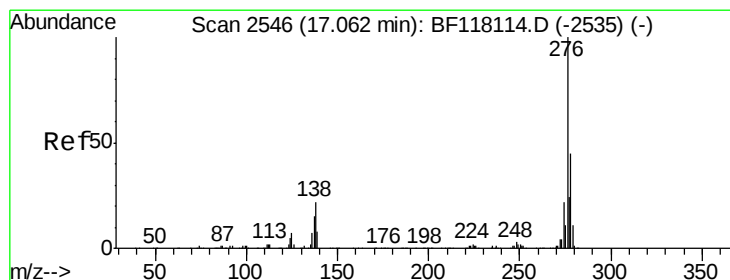
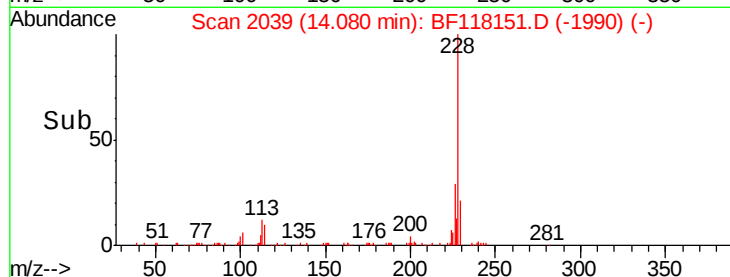
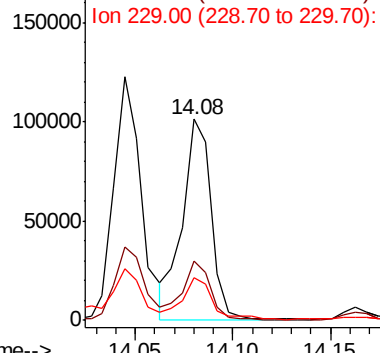


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.638 ng

RT: 17.04 min Scan# 2543

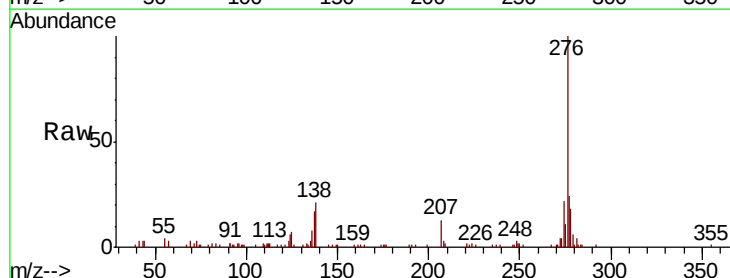
Delta R.T. -0.02 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Tgt Ion:276 Resp: 79056

Ion	Ratio	Lower	Upper
276	100		
138	21.6	18.9	28.3
277	25.5	20.4	30.6

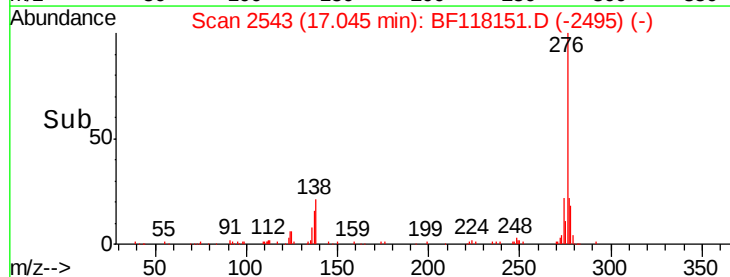
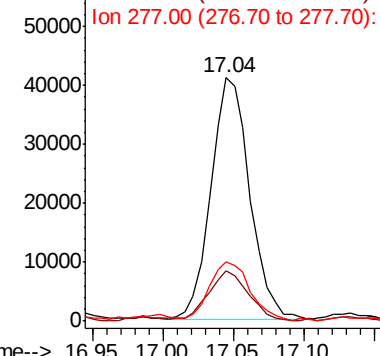


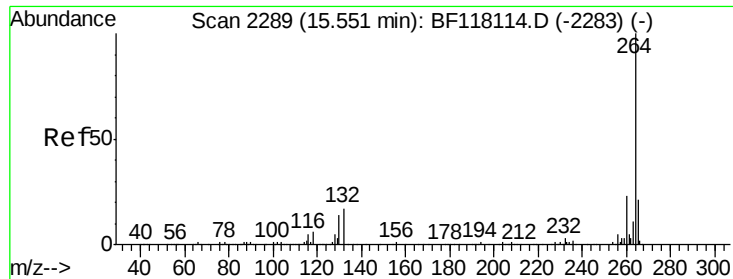
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



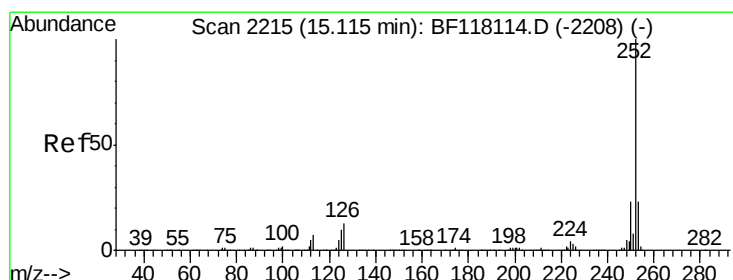
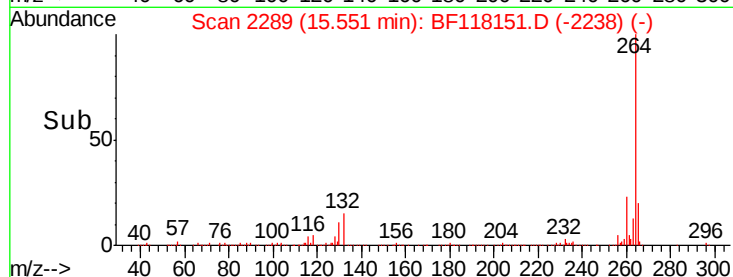
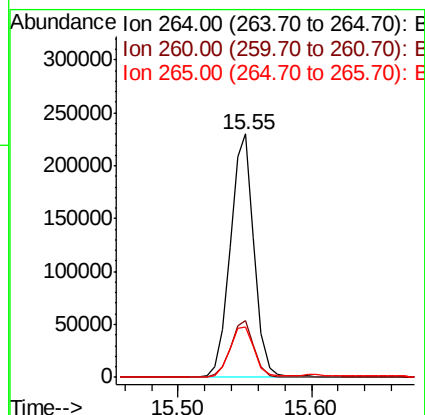
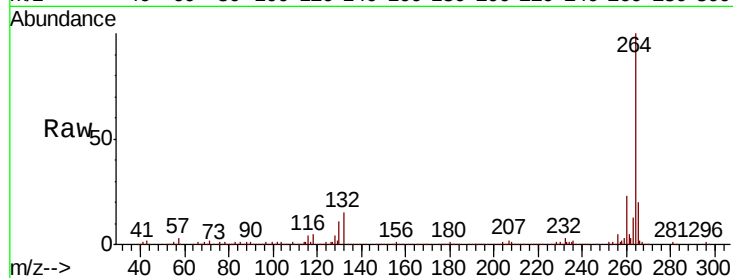


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 286900

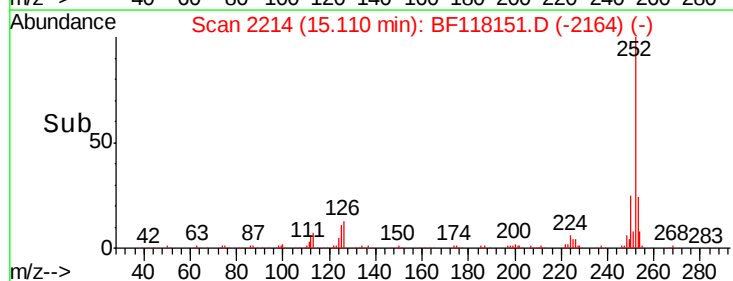
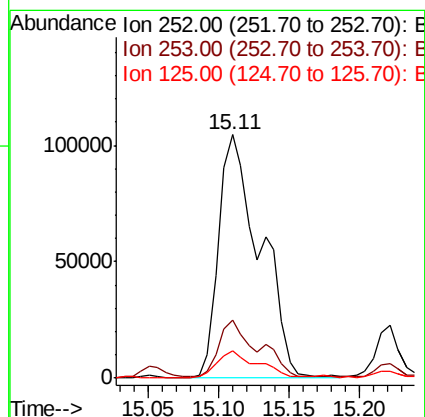
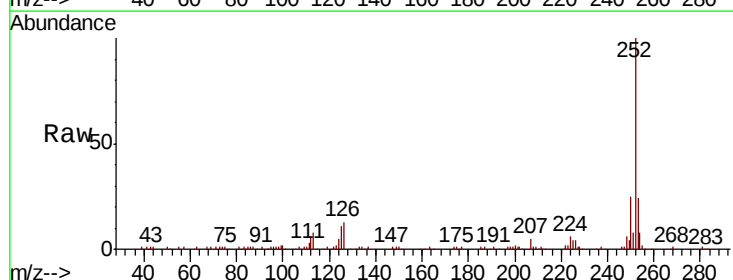
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	20.5	16.8	25.2

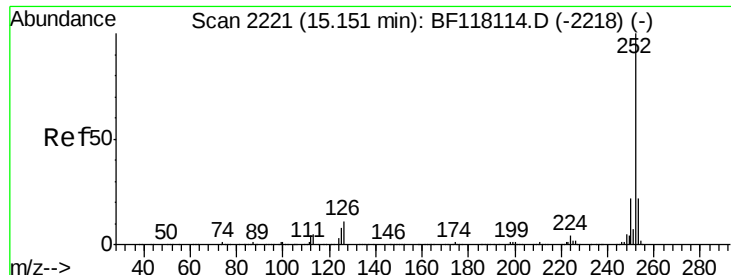


#88
Benzo(b)fluoranthene
Concen: 11.387 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion:252 Resp: 216055

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	11.3	8.3	12.5

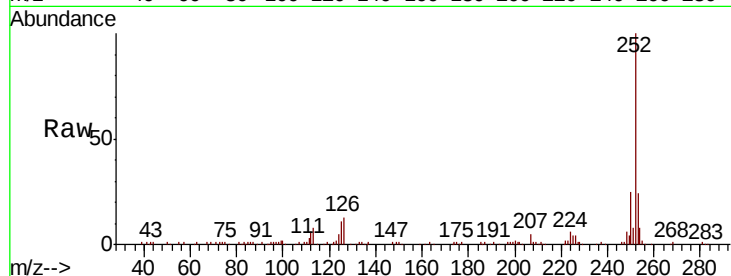




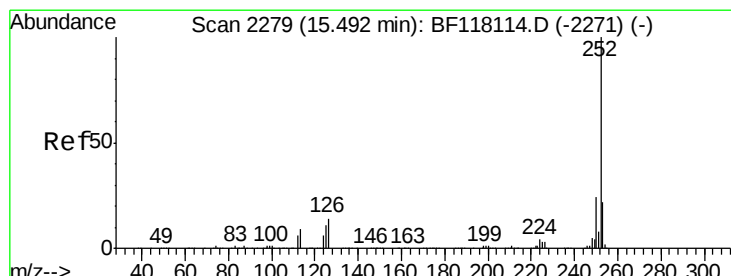
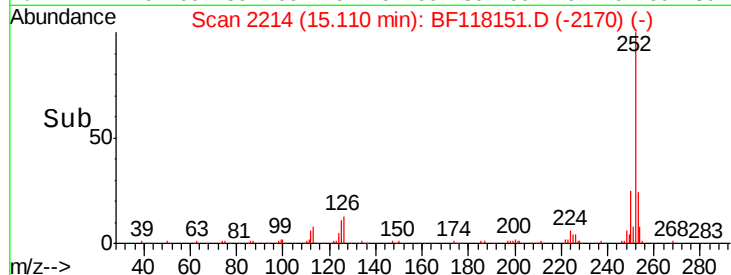
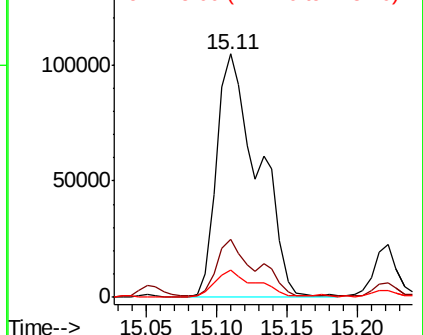
#89
Benzo(k)fluoranthene
Concen: 11.853 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	11.3	6.7	10.1

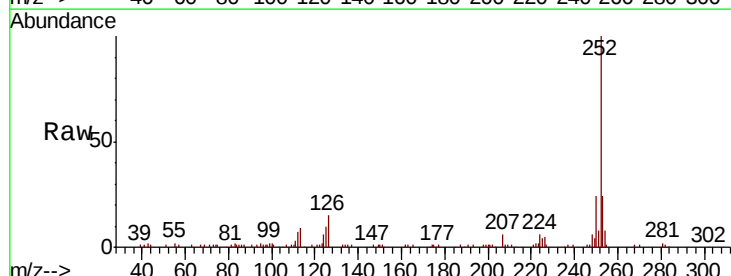


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

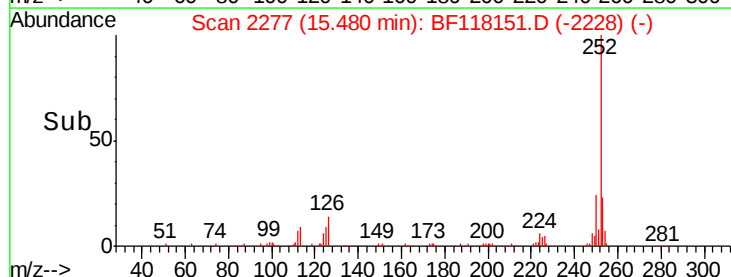
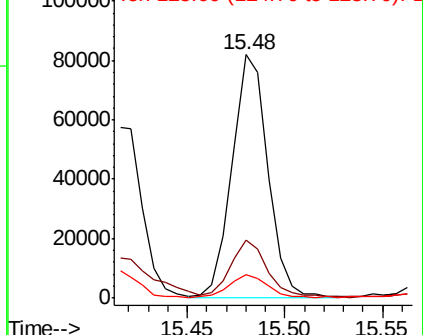


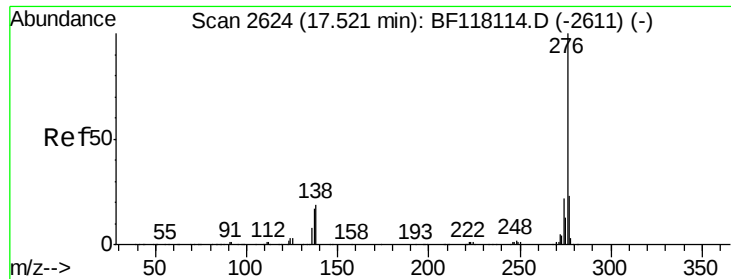
#90
Benzo(a)pyrene
Concen: 6.215 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	9.9	9.1	13.7



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

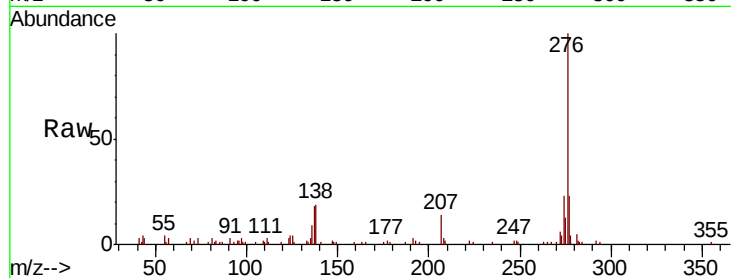




#92
 Benzo(a,h,i)perylene
 Concen: 5.104 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF118151.D
 Acq: 9 Dec 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	22.9	18.2	27.4	
138	19.2	15.5	23.3	



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

