

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116553.D
 Acq On : 26 Aug 2019 3:41
 Operator : HP/JU
 Sample : K4510-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:32:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	130688	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	482553	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	216598	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	298751	20.00	ng	0.00
76) Chrysene-d12	14.03	240	203536	20.00	ng	0.00
87) Perylene-d12	15.50	264	179931	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	614999	68.76	ng	0.01
7) Phenol-d6	6.51	99	824596	75.19	ng	0.00
23) Nitrobenzene-d5	7.44	82	500797	56.78	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	75444	40.56	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	920596	68.45	ng	0.00
79) Terphenyl-d14	12.98	244	606232	55.64	ng	0.00

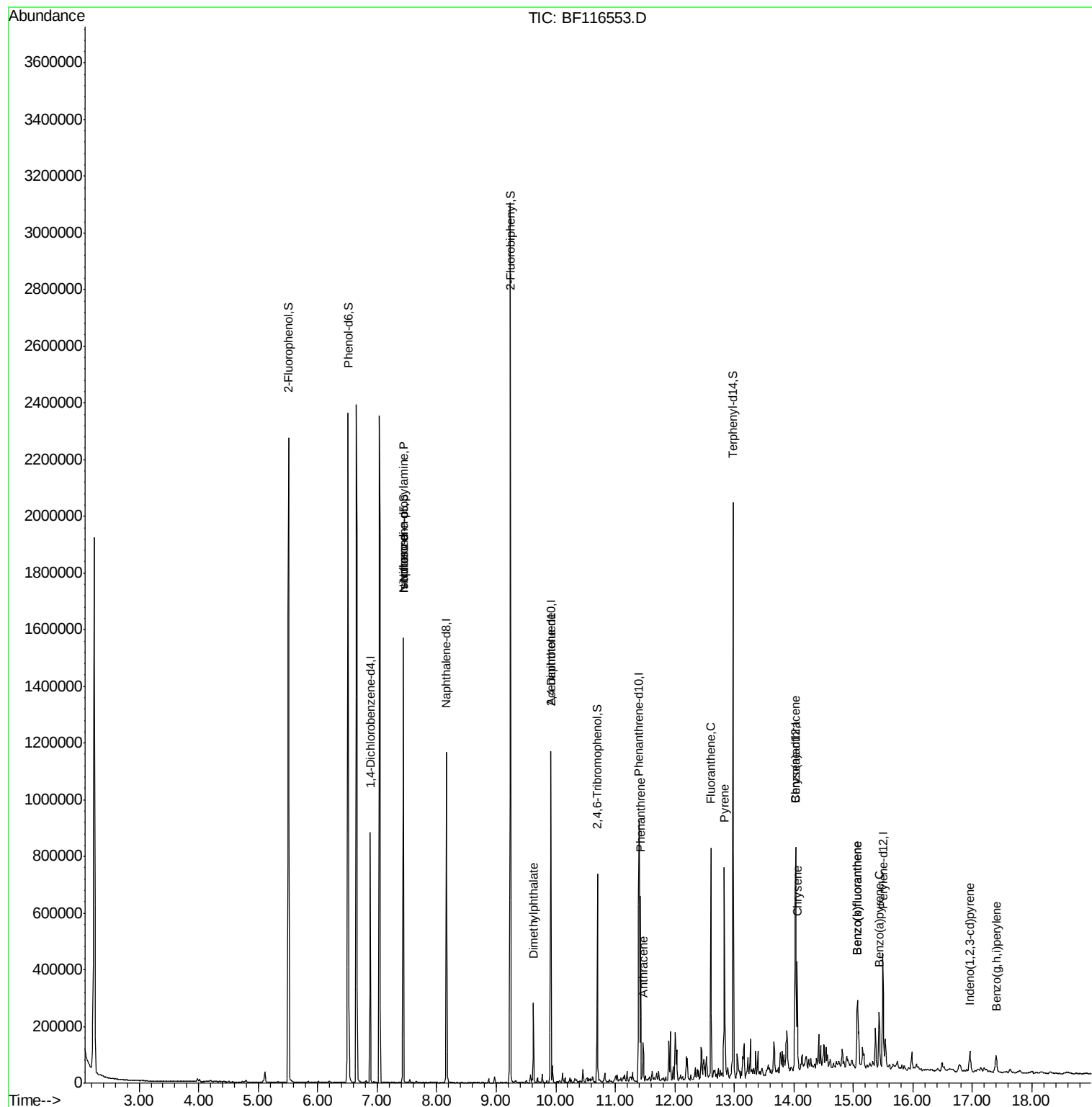
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	67106	8.967	ng	# 76
25) Isophorone	7.44	82	500580	28.799	ng	# 67
50) Dimethylphthalate	9.62	163	108571	7.184	ng	99
57) 2,4-Dinitrotoluene	9.92	165	28048	7.126	ng	# 21
71) Phenanthrene	11.42	178	219960	13.515	ng	98
72) Anthracene	11.47	178	44943	2.748	ng	98
75) Fluoranthene	12.61	202	301788	17.936	ng	99
78) Pyrene	12.84	202	322546	19.816	ng	99
81) Benzo(a)anthracene	14.02	228	138503	10.507	ng	97
83) Chrysene	14.06	228	144531	10.817	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	49811	4.352	ng	97
88) Benzo(b)fluoranthene	15.07	252	171855	15.461	ng	99
89) Benzo(k)fluoranthene	15.07	252	171855	17.066	ng	98
90) Benzo(a)pyrene	15.43	252	92767	9.443	ng	98
92) Benzo(a,h,i)perylene	17.40	276	47511	6.174	ng	96

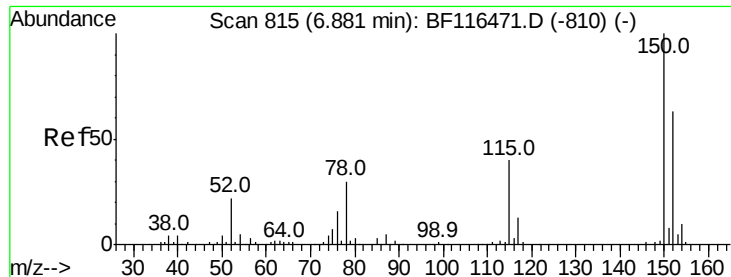
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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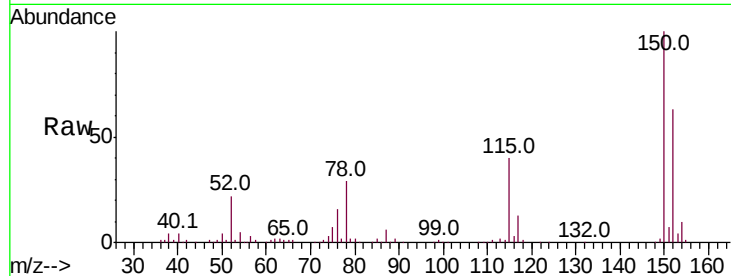


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.7	190.1
115	63.5	50.9	76.3

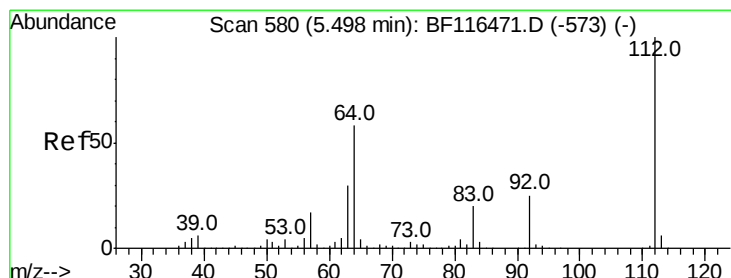
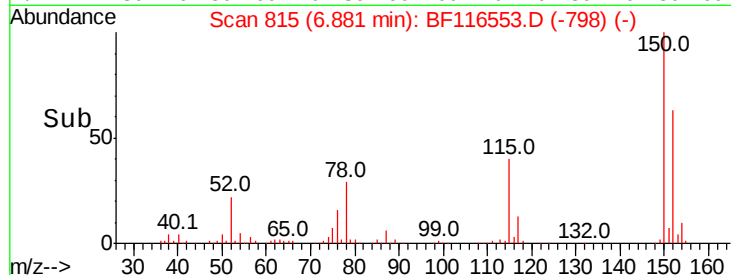
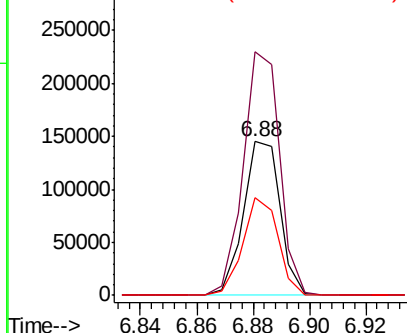


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

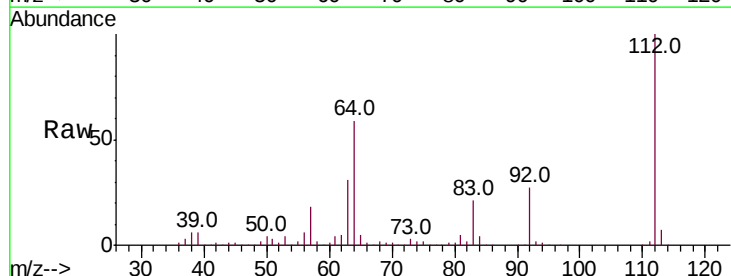
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.759 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.3	69.5
63	31.3	24.2	36.4

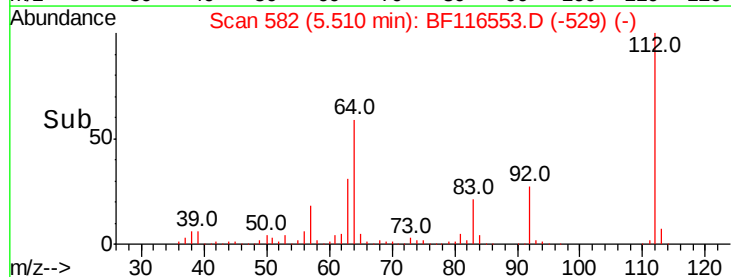
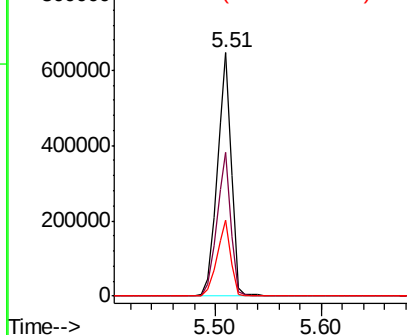


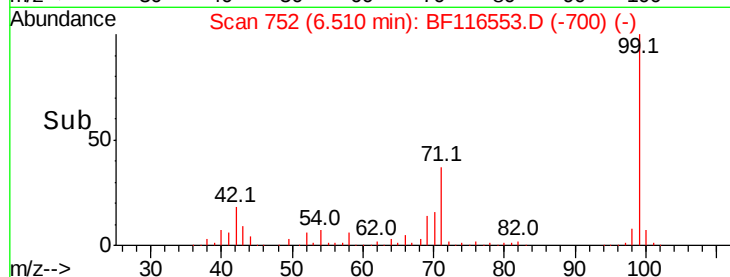
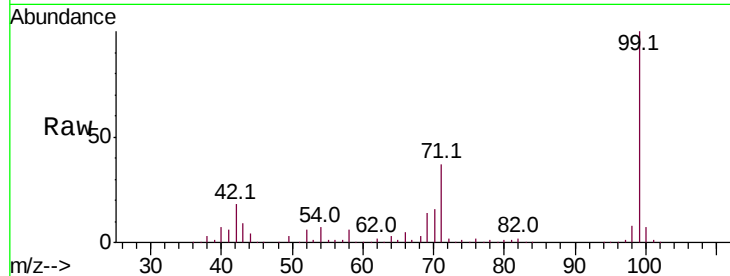
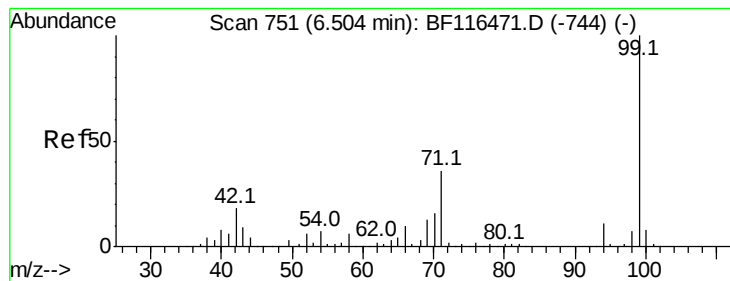
Abundance

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: 75.189 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

Instrument :

BNA_F

ClientSampled :

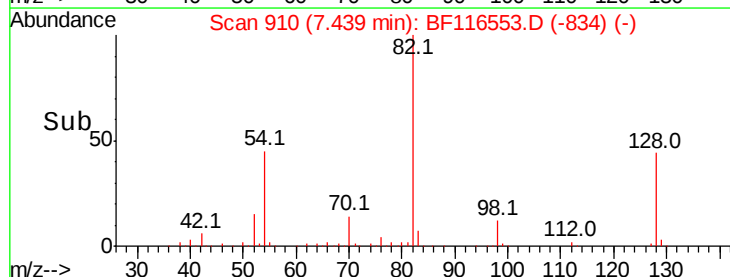
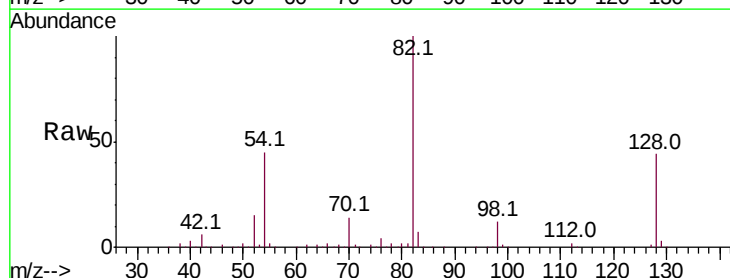
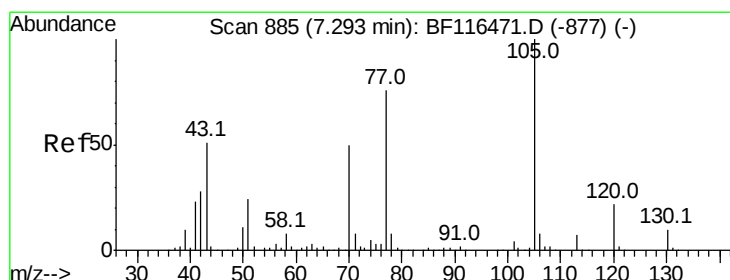
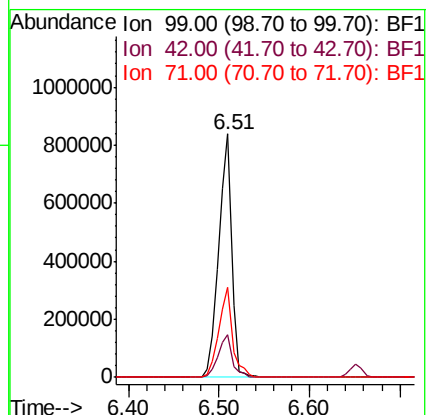
Tot Ion: 99 Resp: 824596

Ion Ratio Lower Upper

99 100

42 17.6 14.6 21.8

71 37.1 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.967 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

Tgt Ion: 70 Resp: 67106

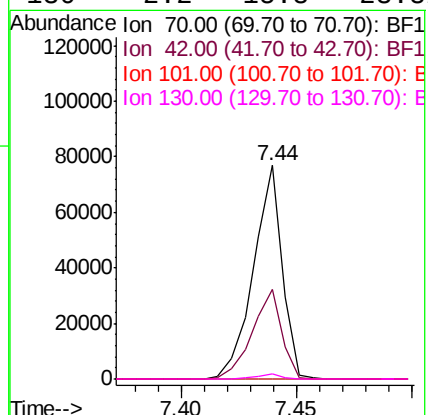
Ion Ratio Lower Upper

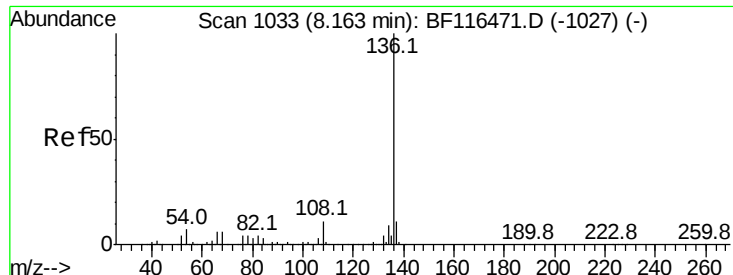
70 100

42 41.9 44.4 66.6#

101 0.0 7.1 10.7#

130 2.2 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 482553

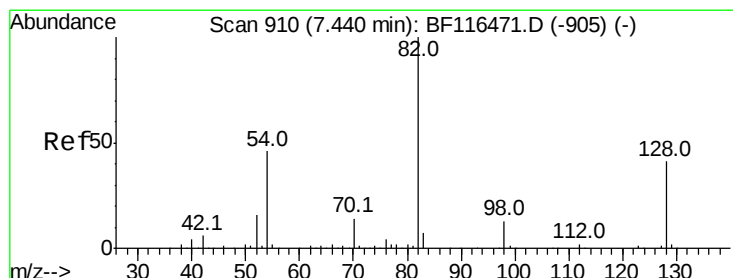
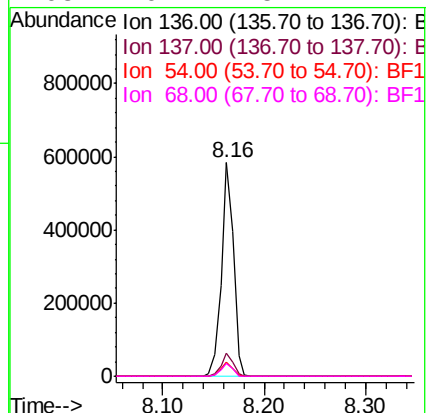
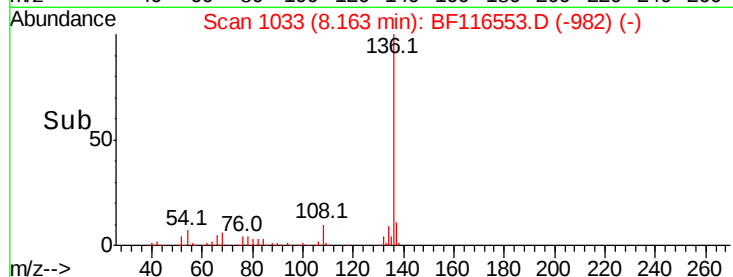
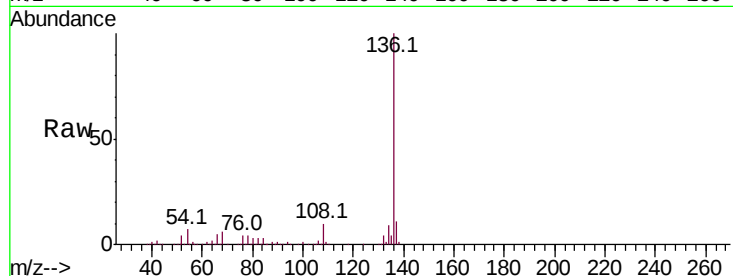
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.8 5.8 8.6

68 6.1 5.1 7.7



#23

Nitrobenzene-d5

Concen: 56.778 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

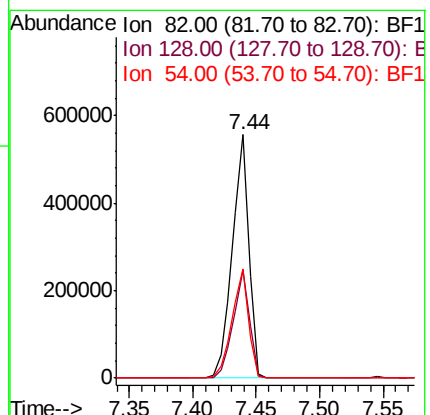
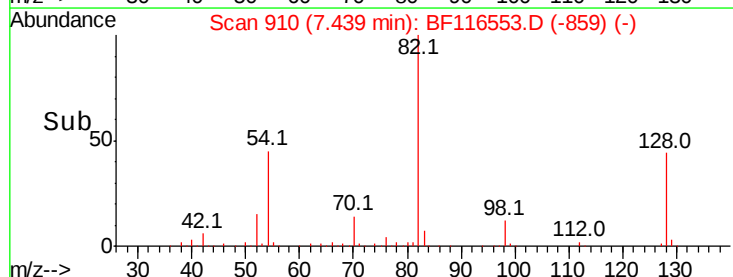
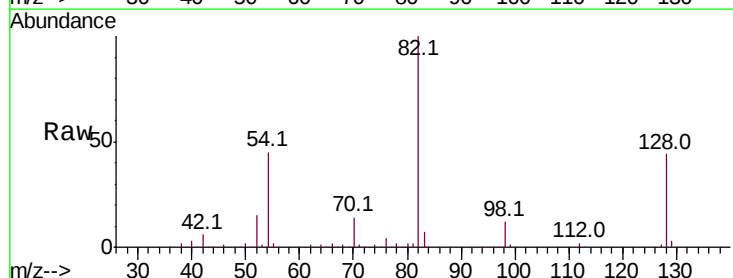
Tgt Ion: 82 Resp: 500797

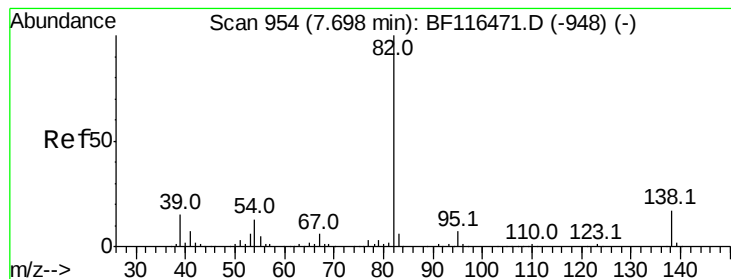
Ion Ratio Lower Upper

82 100

128 44.3 32.2 48.4

54 44.8 36.5 54.7





#25

Isophorone

Concen: 28.799 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

Instrument :

BNA_F

ClientSampleId :

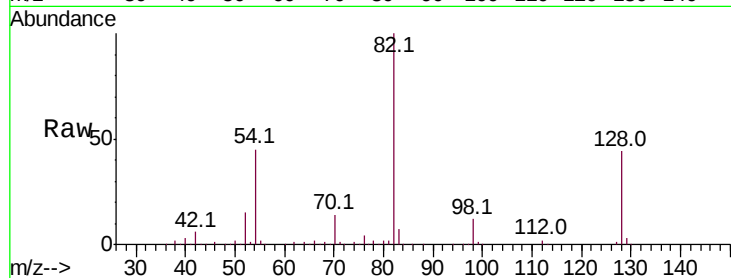
Tot Ion: 82 Resp: 500580

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

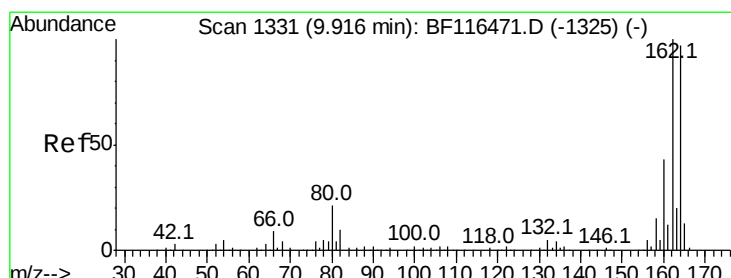
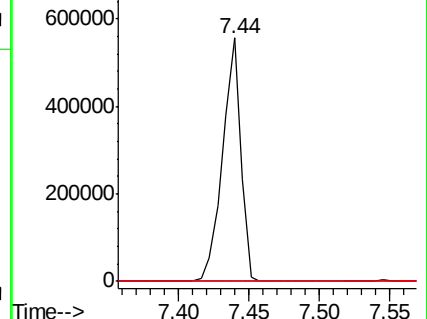
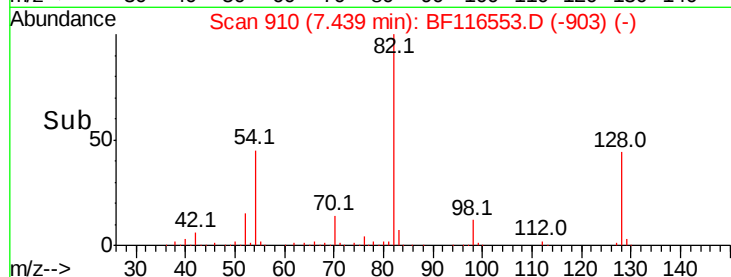
138 0.0 13.3 19.9#



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. -0.00 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

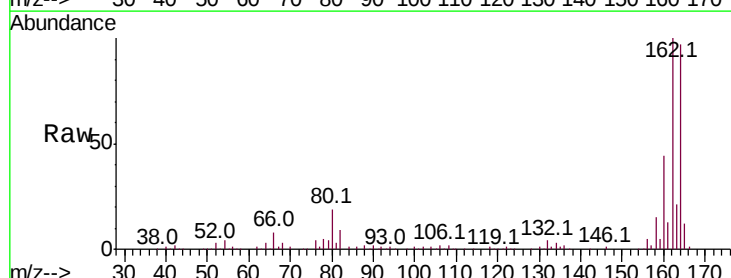
Tgt Ion: 164 Resp: 216598

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

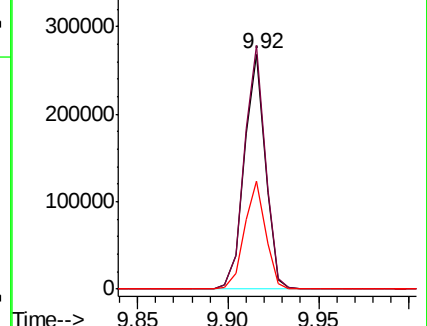
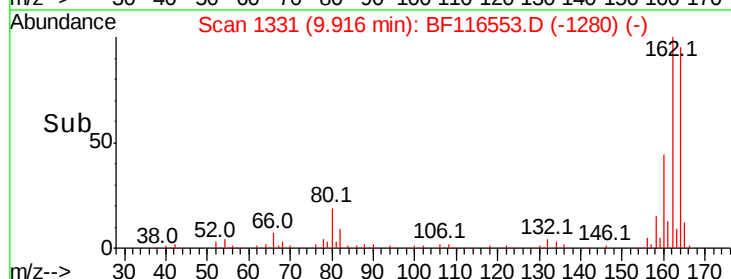
160 46.0 35.8 53.8

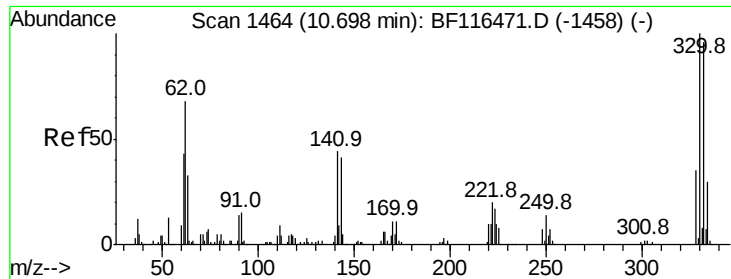


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

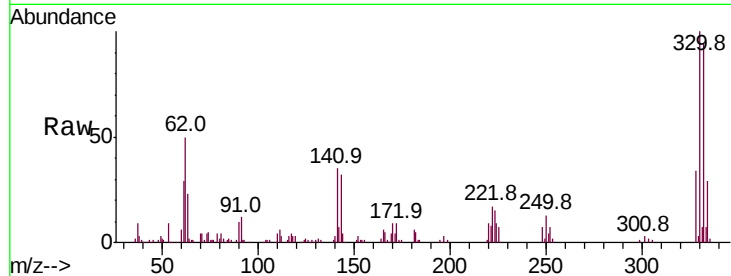




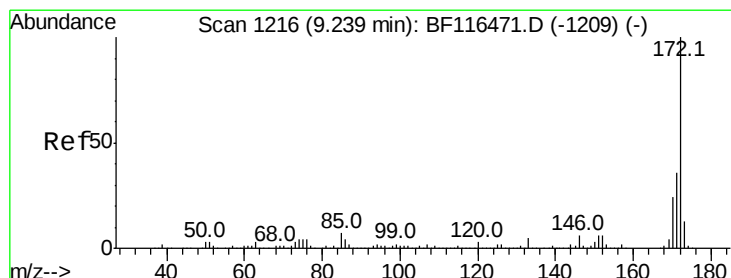
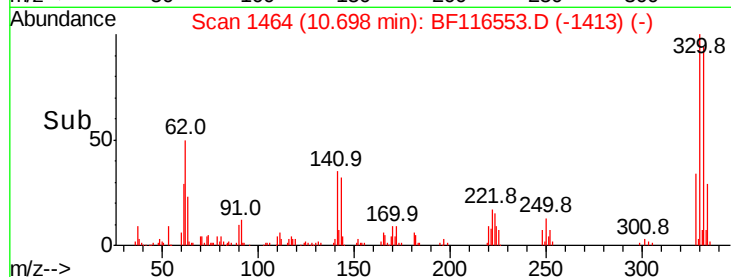
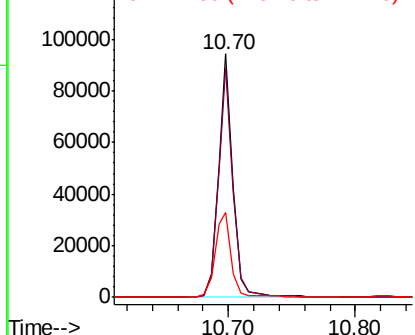
#42
 2,4,6-Tribromophenol
 Concen: 40.564 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116553.D
 Acq: 26 Aug 2019 3:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 75444
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.2 115.8
 141 39.3 33.3 49.9

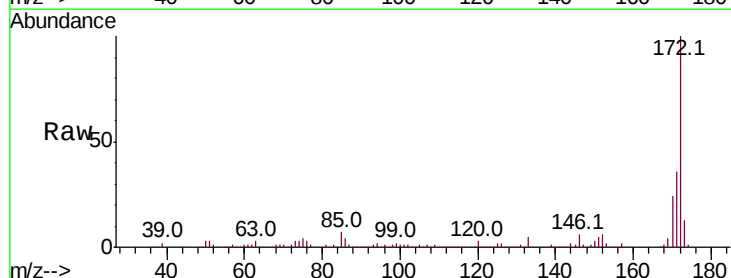


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

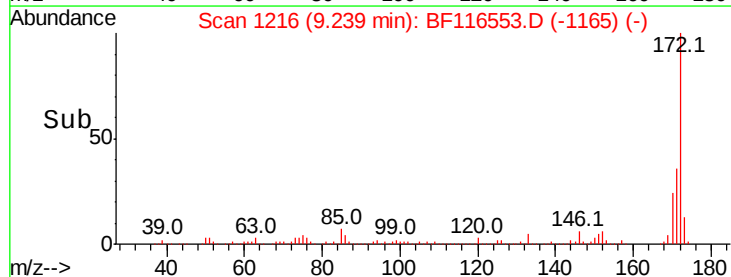
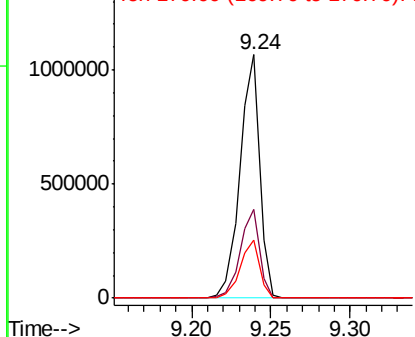


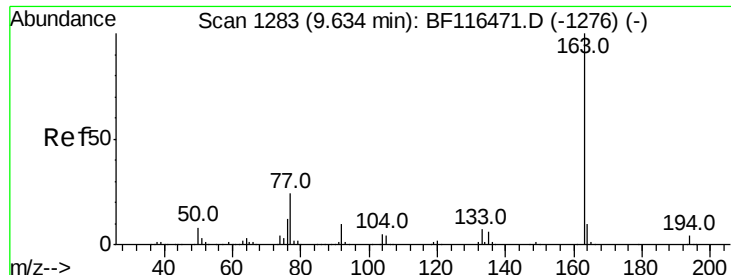
#45
 2-Fluorobiphenyl
 Concen: 68.446 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116553.D
 Acq: 26 Aug 2019 3:41

Tgt Ion:172 Resp: 920596
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.0 19.4 29.0



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

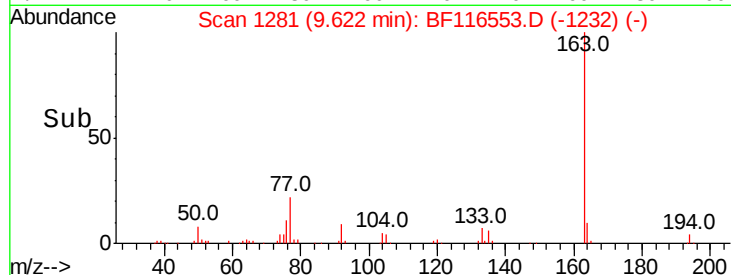
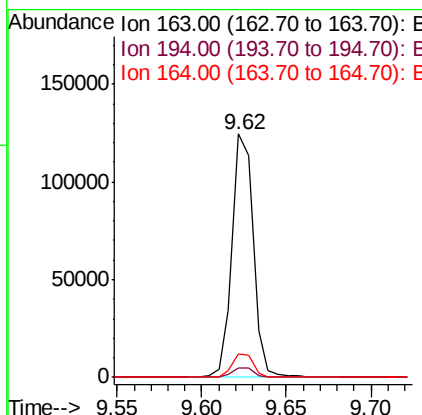
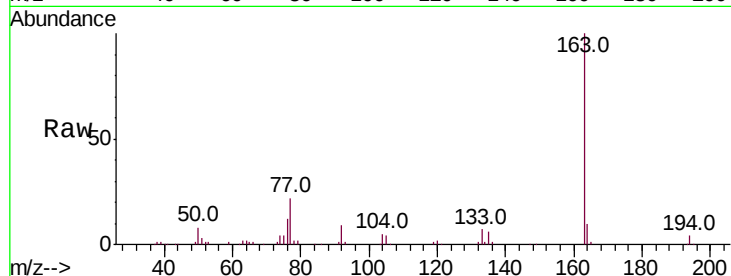




#50
Dimethylphthalate
Concen: 7.184 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

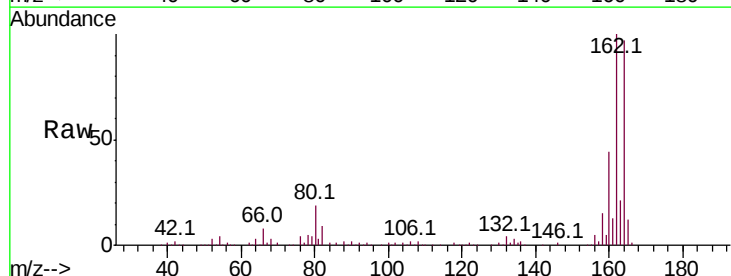
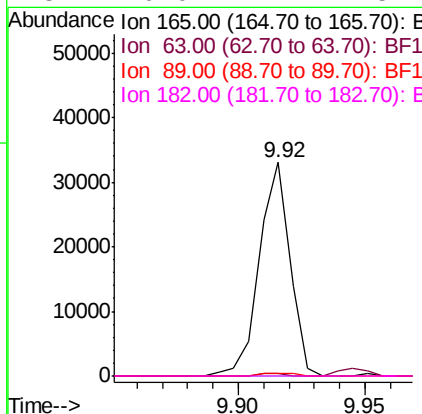
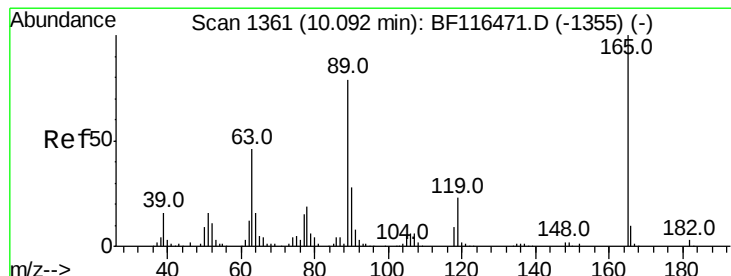
Instrument :
BNA_F
ClientSampleId :

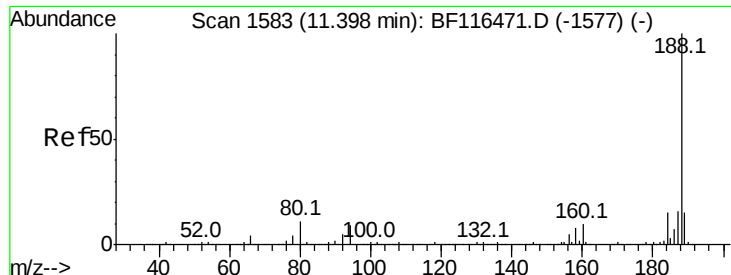
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.8	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 7.126 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.9	55.3#
89	1.4	63.4	95.0#
182	0.0	2.1	3.1#

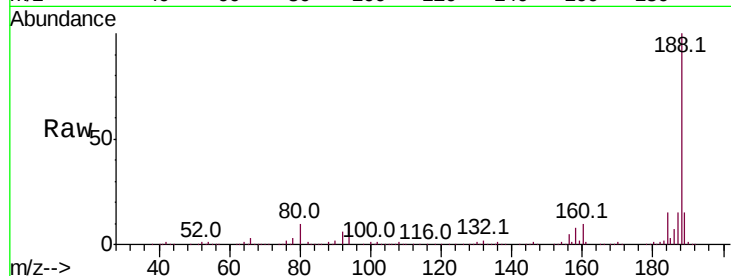




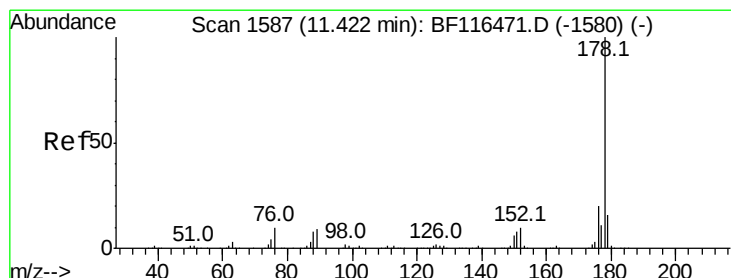
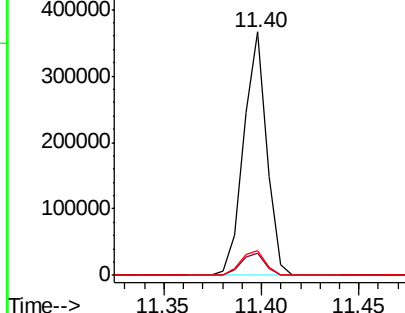
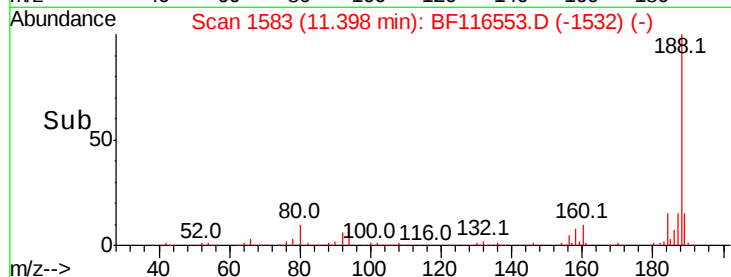
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 298751
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.0 8.6 12.8

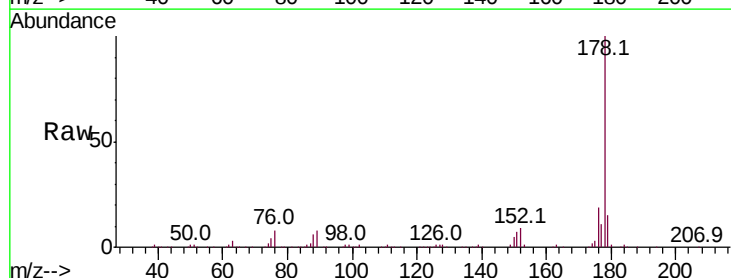


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

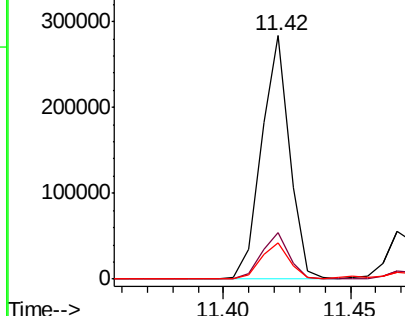
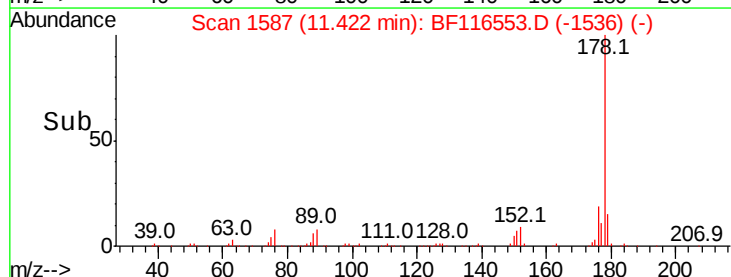


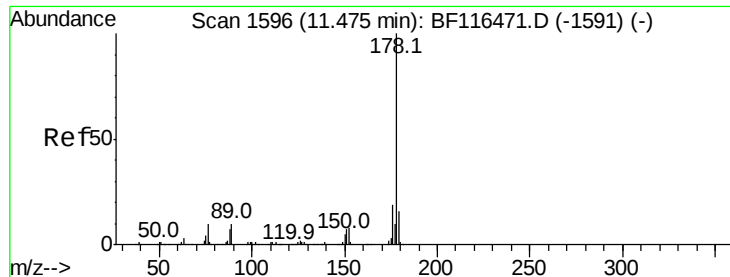
#71
Phenanthrene
Concen: 13.515 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Tgt Ion:178 Resp: 219960
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.9 12.8 19.2



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: 2.748 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

Instrument :

BNA_F

ClientSampleId :

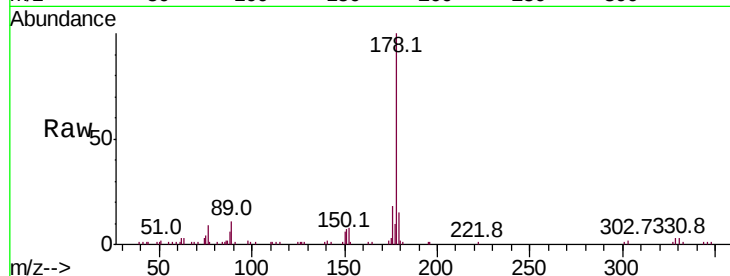
Tot Ion:178 Resp: 44943

Ion Ratio Lower Upper

178 100

176 17.9 15.2 22.8

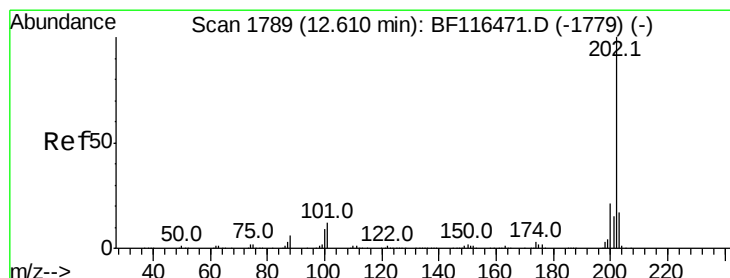
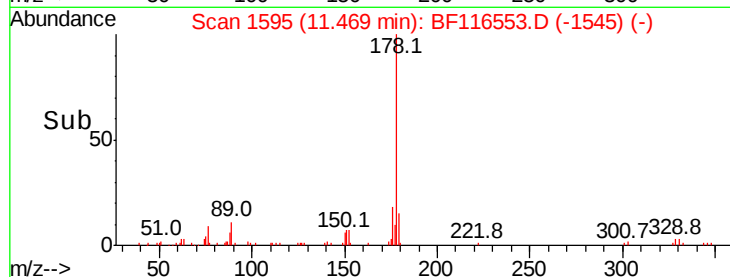
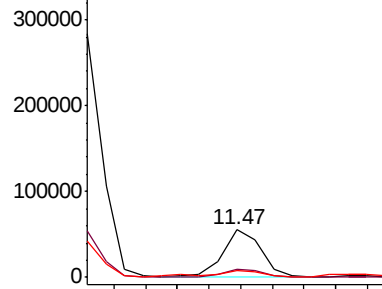
179 14.5 12.5 18.7



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: 17.936 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

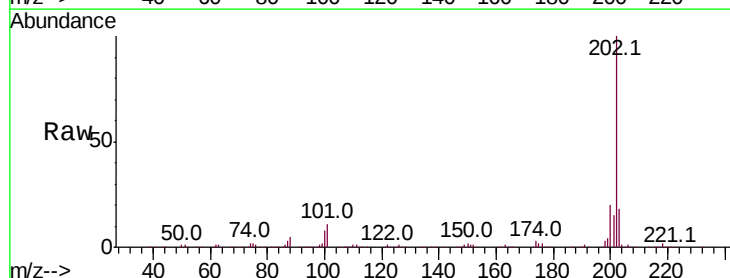
Tgt Ion:202 Resp: 301788

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.5

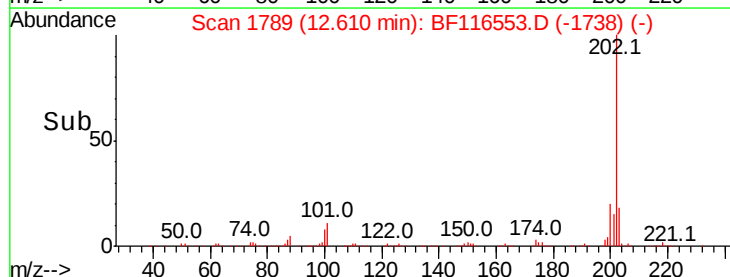
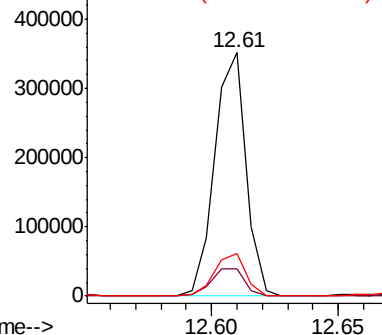
203 17.8 0.0 37.5

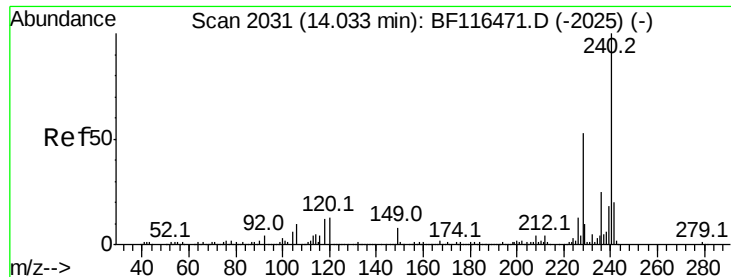


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

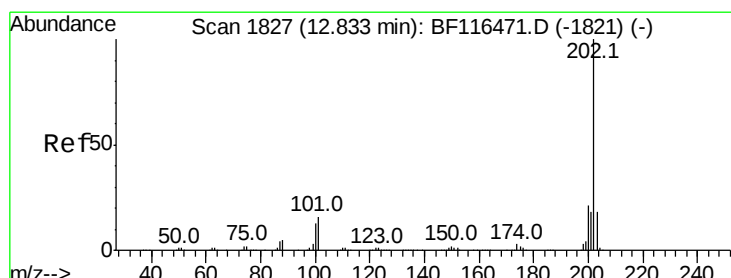
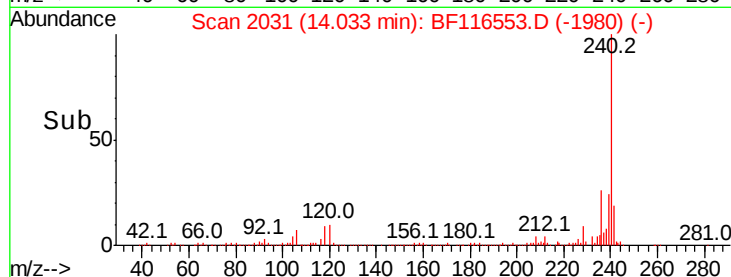
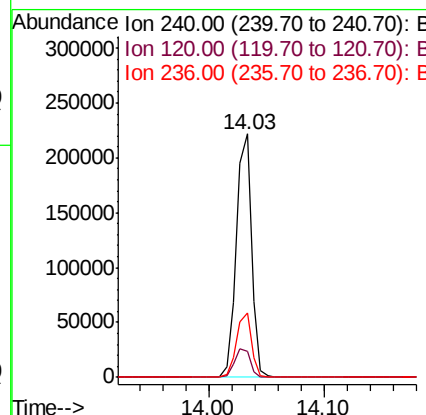
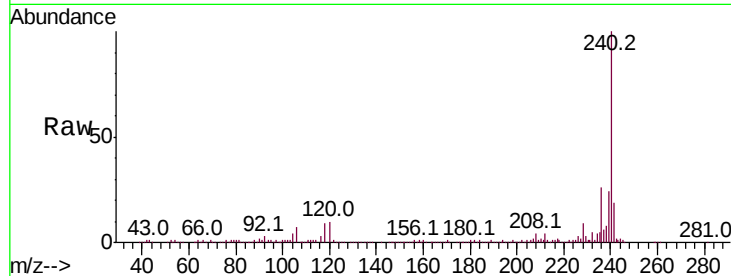




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

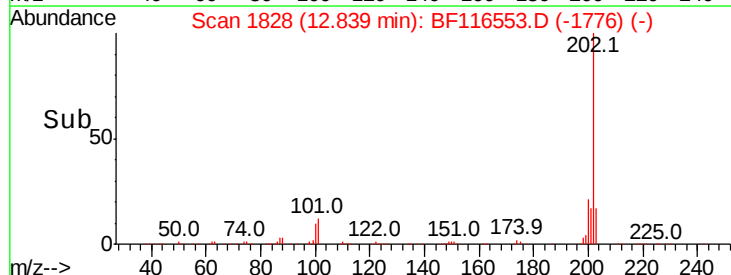
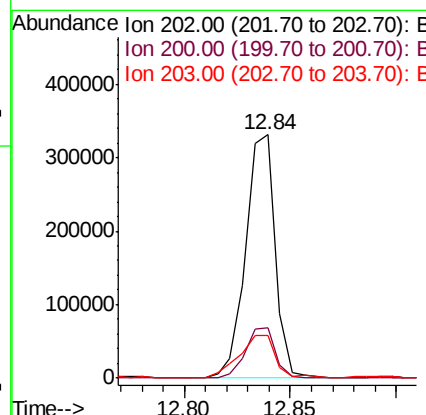
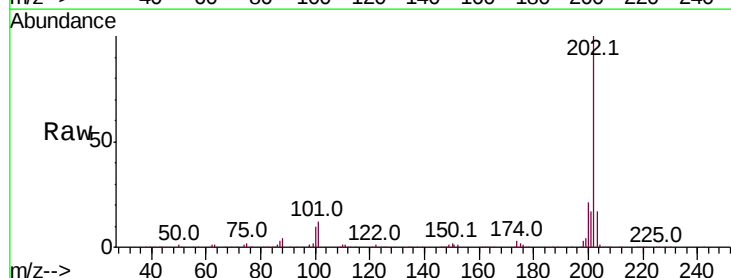
Instrument :
BNA_F
ClientSampleId :

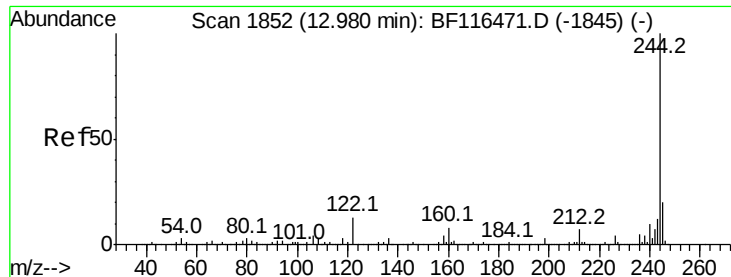
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.5	15.7#
236	26.4	20.2	30.2



#78
Pyrene
Concen: 19.816 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.3	14.2	21.4





#79

Terphenyl-d14

Concen: 55.635 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

Instrument :

BNA_F

ClientSampleId :

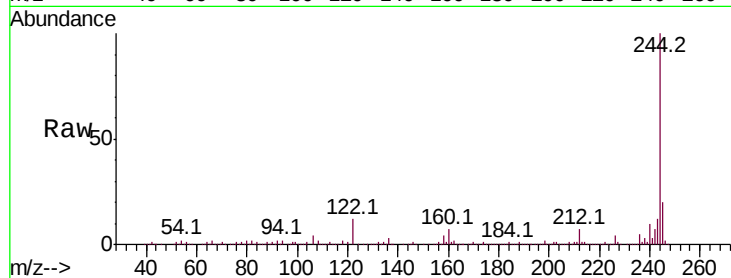
Tot Ion:244 Resp: 606232

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

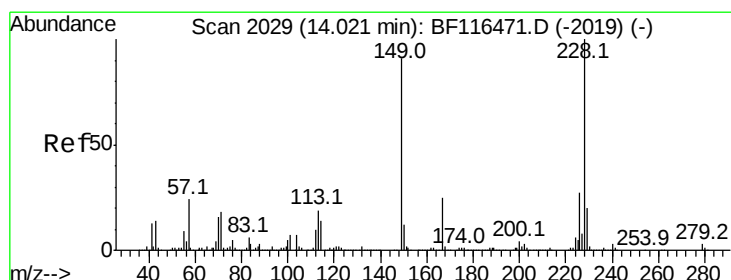
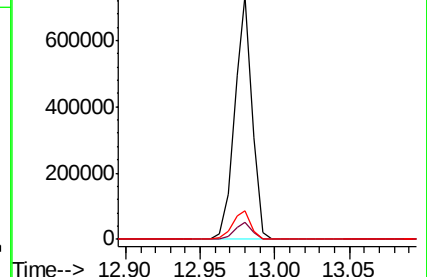
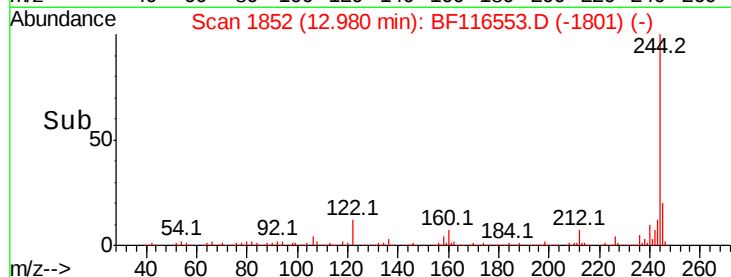
122 11.6 10.2 15.4



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: 10.507 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

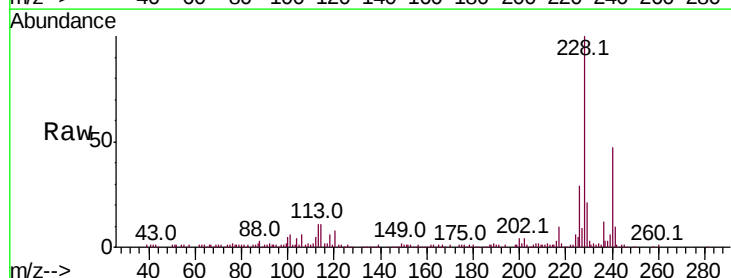
Tgt Ion:228 Resp: 138503

Ion Ratio Lower Upper

228 100

226 29.0 21.8 32.6

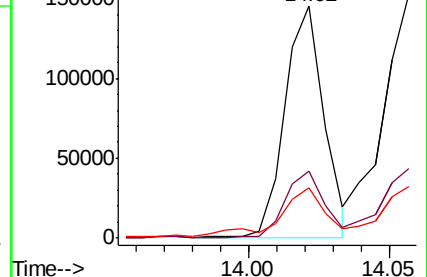
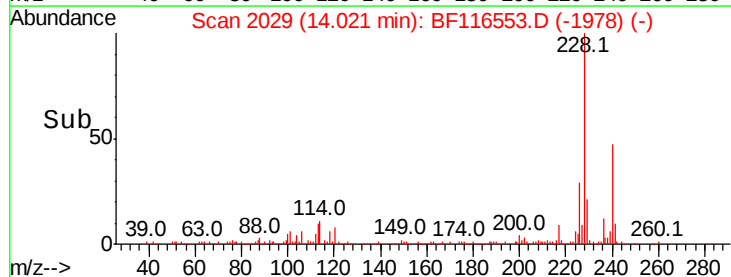
229 21.5 15.9 23.9

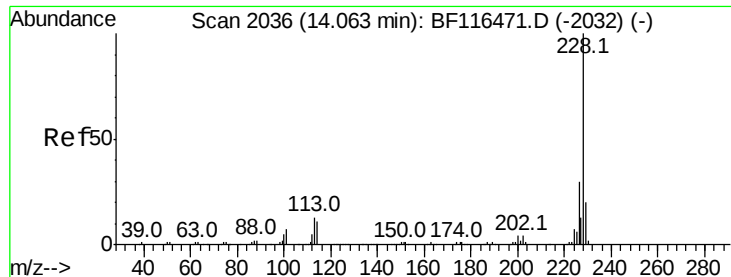


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.817 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

Instrument :

BNA_F

ClientSampleId :

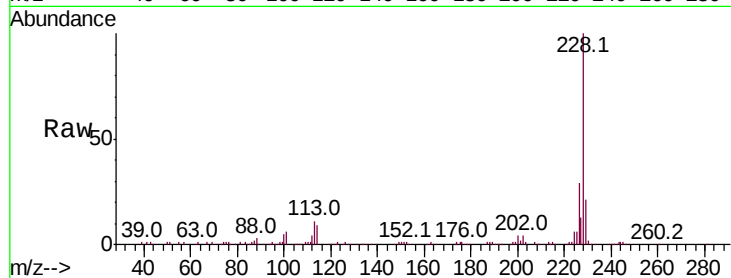
Tot Ion:228 Resp: 144531

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.2

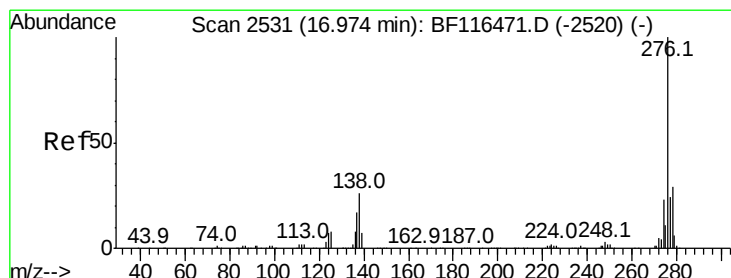
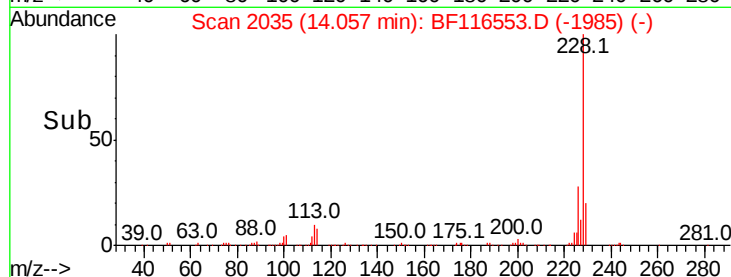
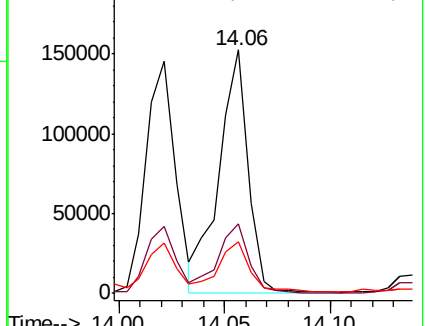
229 21.5 15.8 23.6



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: 4.352 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BF116553.D

Acq: 26 Aug 2019 3:41

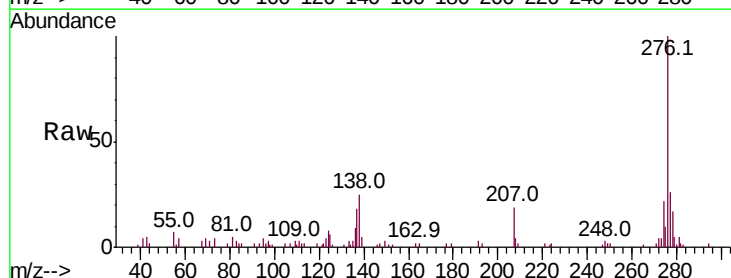
Tgt Ion:276 Resp: 49811

Ion Ratio Lower Upper

276 100

138 26.7 22.9 34.3

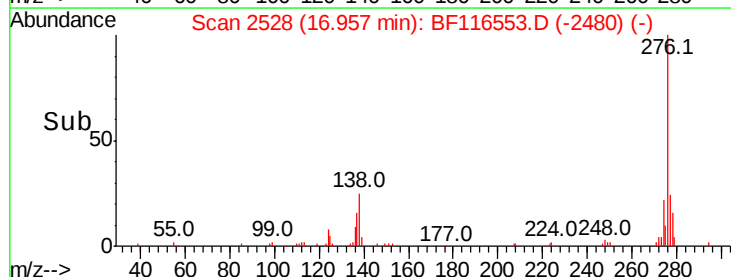
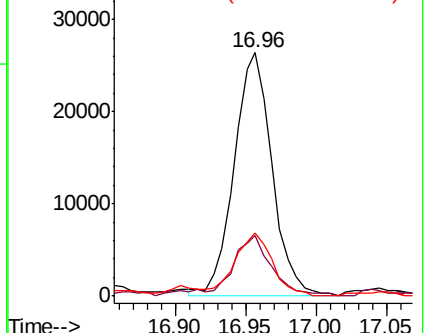
277 26.2 19.9 29.9

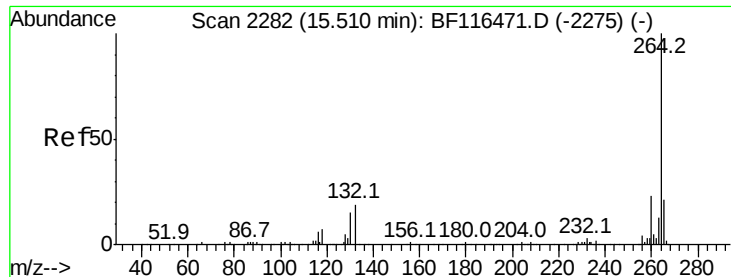


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

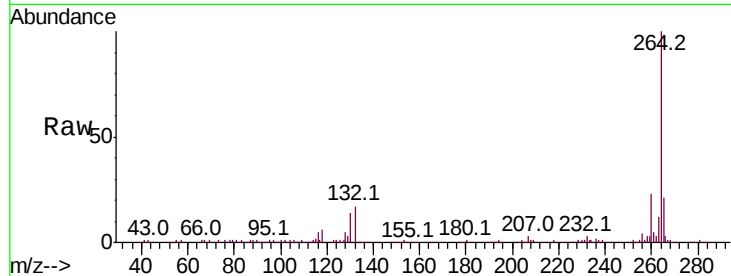




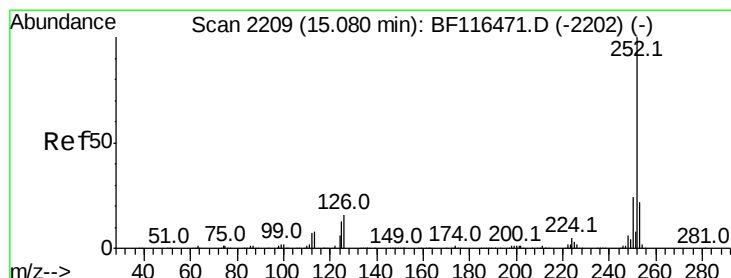
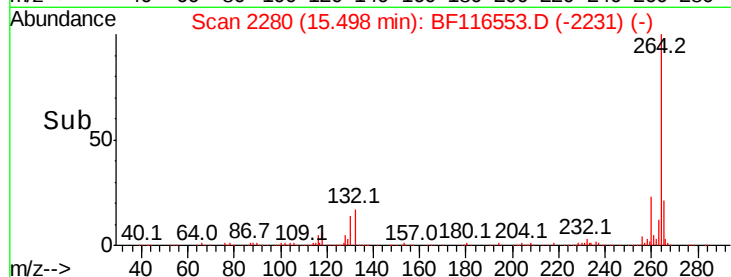
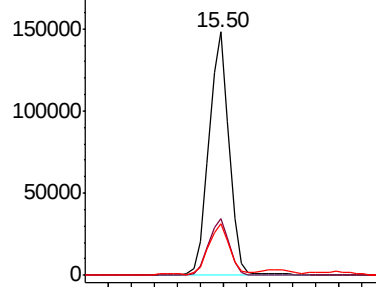
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.3	17.1	25.7

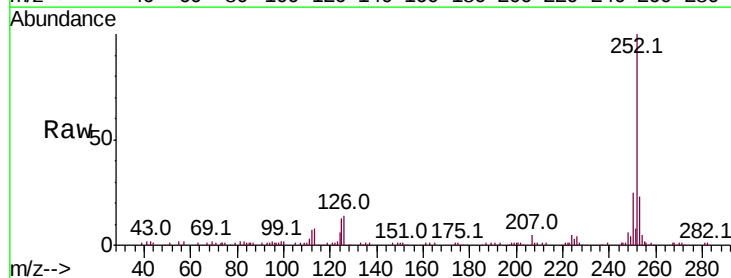


Abundance Ion 264.00 (263.70 to 264.70): E
200000 Ion 260.00 (259.70 to 260.70): E
150000 Ion 265.00 (264.70 to 265.70): E

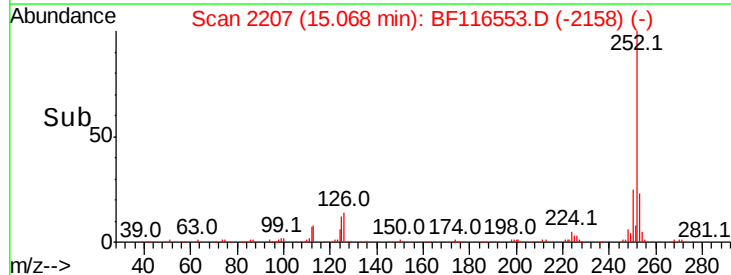
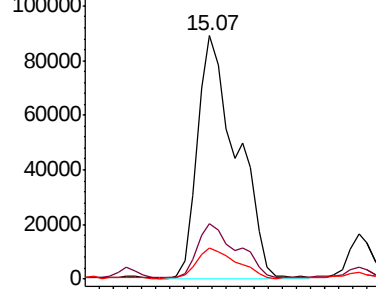


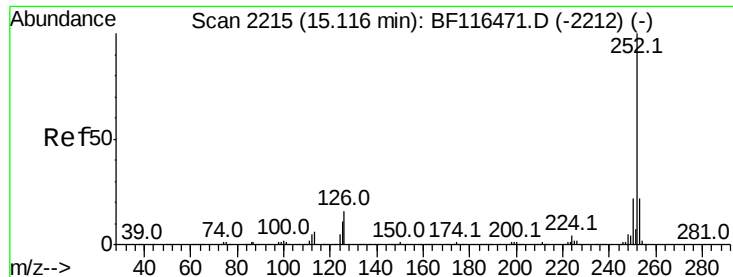
#88
Benzo(b)fluoranthene
Concen: 15.461 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.7	10.1	15.1



Abundance Ion 252.00 (251.70 to 252.70): E
120000 Ion 253.00 (252.70 to 253.70): E
100000 Ion 125.00 (124.70 to 125.70): E

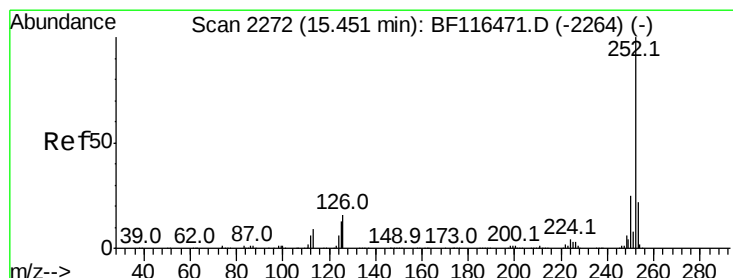
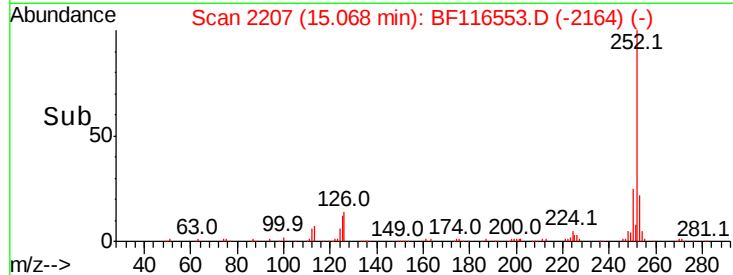
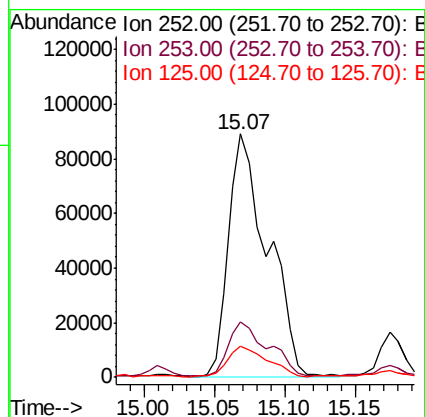
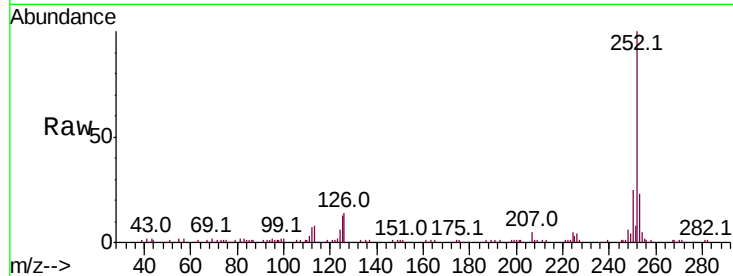




#89
Benzo(k)fluoranthene
Concen: 17.066 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

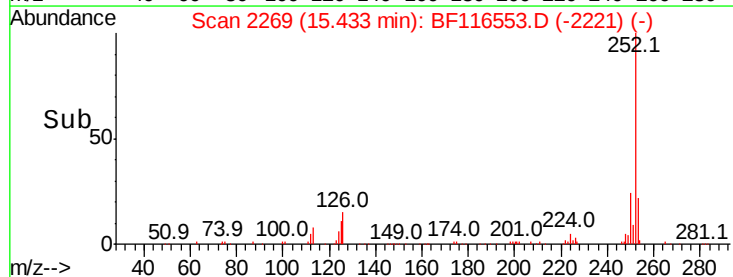
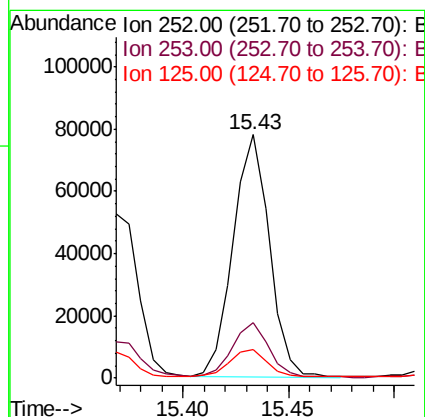
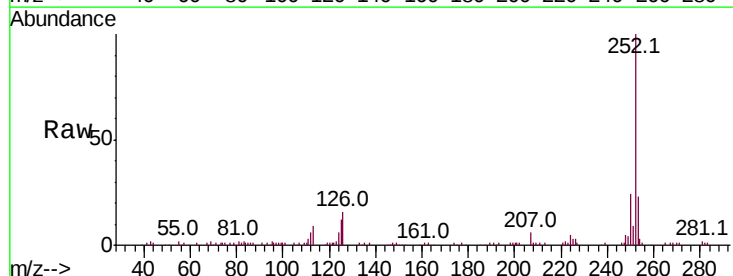
Instrument :
BNA_F
ClientSampled :

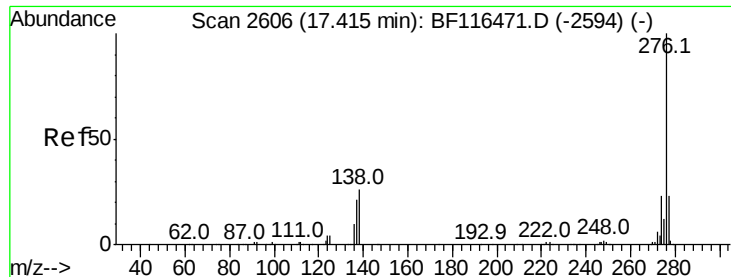
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.7	9.1	13.7



#90
Benzo(a)pyrene
Concen: 9.443 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116553.D
Acq: 26 Aug 2019 3:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.9	10.2	15.4

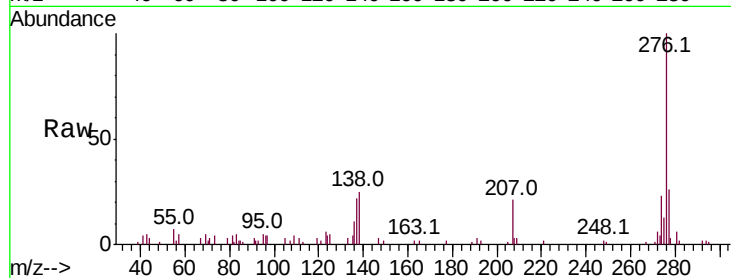




#92
 Benzo(a,h,i)perylene
 Concen: 6.174 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. -0.02 min
 Lab File: BF116553.D
 Acq: 26 Aug 2019 3:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 47511
 Ion Ratio Lower Upper
 276 100
 277 26.3 18.7 28.1
 138 24.6 20.8 31.2



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

