

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116531.D
 Acq On : 25 Aug 2019 14:53
 Operator : HP/JU
 Sample : K4493-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:28:00 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	6.89	152	146774	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	565668	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	272158	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	409688	20.00	ng	0.00
76) Chrysene-d12	14.03	240	221869	20.00	ng	0.00
87) Perylene-d12	15.50	264	237604	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	826360	82.26	ng	0.01
7) Phenol-d6	6.51	99	1121377	91.04	ng	0.00
23) Nitrobenzene-d5	7.44	82	709403	68.61	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	175946	75.29	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1132810	67.03	ng	0.00
79) Terphenyl-d14	12.98	244	824479	69.41	ng	0.00

Target Compounds

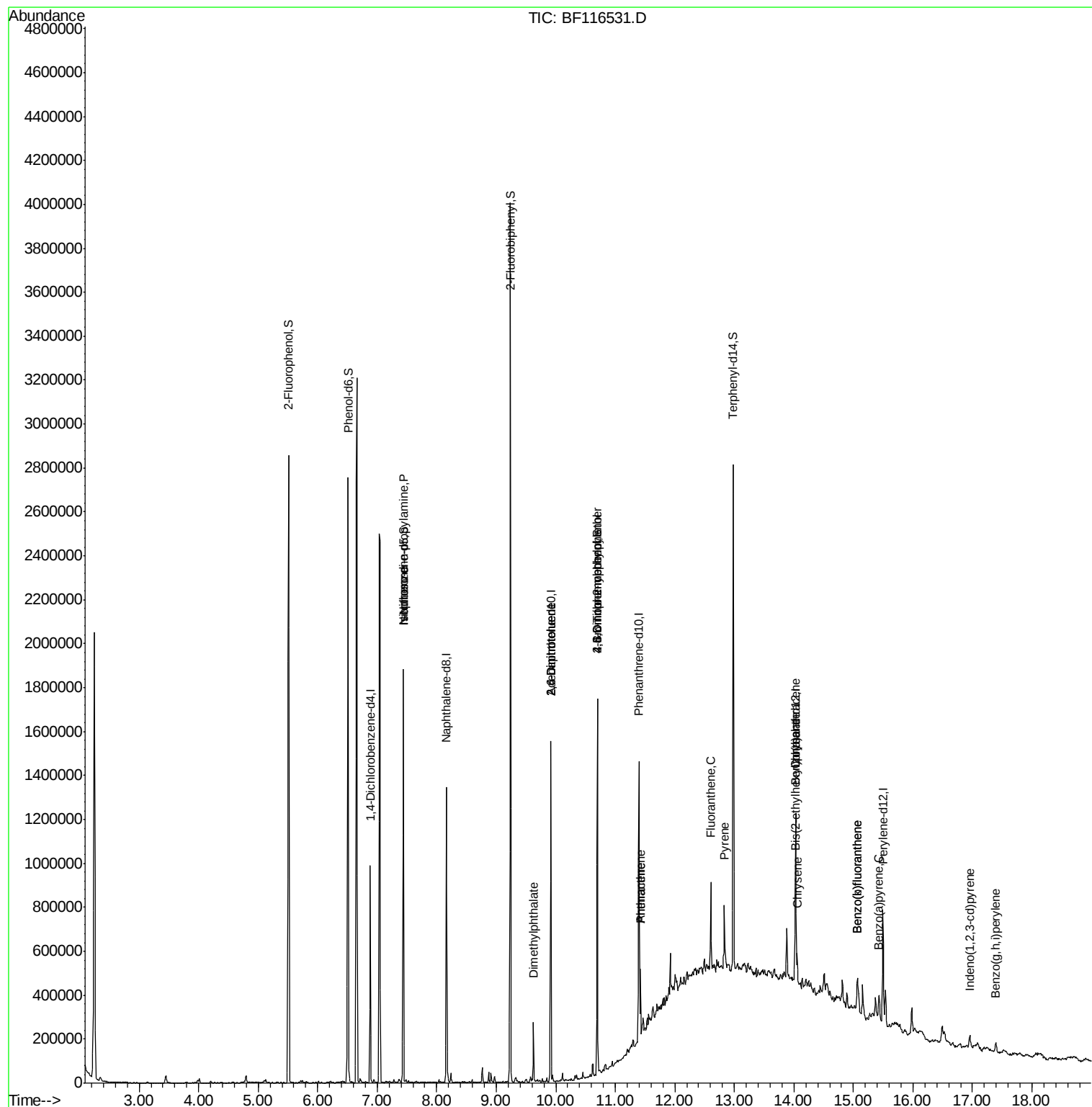
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	95972	11.419	ng	# 79
25) Isophorone	7.44	82	709158	34.805	ng	# 67
50) Dimethylphthalate	9.62	163	105704	5.567	ng	99
51) 2,6-Dinitrotoluene	9.92	165	36131	9.296	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	36131	7.306	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	335	7.176	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	11612	2.704	ng	# 1
71) Phenanthrene	11.42	178	108708	4.871	ng	98
72) Anthracene	11.42	178	109252	4.872	ng	99
75) Fluoranthene	12.61	202	153438	6.650	ng	96
78) Pyrene	12.84	202	130539	7.357	ng	98
81) Benzo(a)anthracene	14.02	228	52494	3.653	ng	94
83) Chrysene	14.06	228	56810	3.901	ng	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	21213	2.076	ng	95
86) Indeno(1,2,3-cd)pyrene	16.96	276	35839	2.873	ng	93
88) Benzo(b)fluoranthene	15.07	252	101897	6.942	ng	# 97
89) Benzo(k)fluoranthene	15.07	252	101897	7.663	ng	# 96
90) Benzo(a)pyrene	15.43	252	50622	3.902	ng	# 94
92) Benzo(a,h,i)perylene	17.39	276	36849	3.626	ng	97

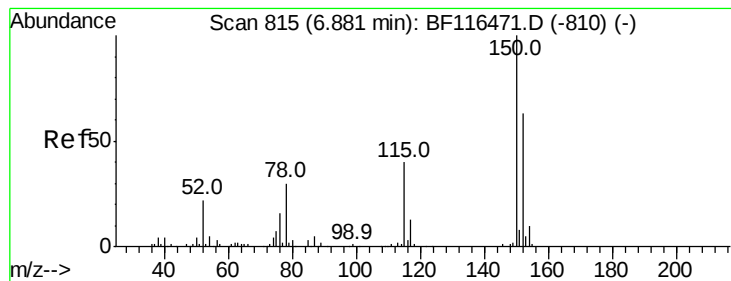
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116531.D
Acq On : 25 Aug 2019 14:53
Operator : HP/JU
Sample : K4493-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 26 06:28:00 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



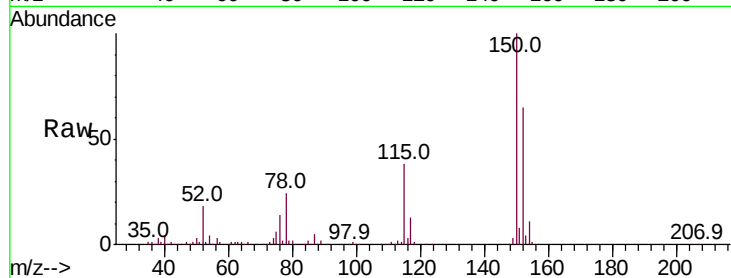


#1

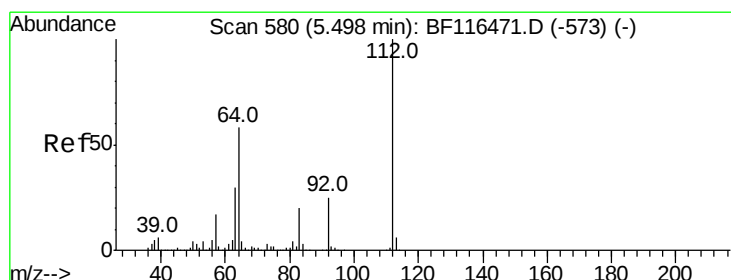
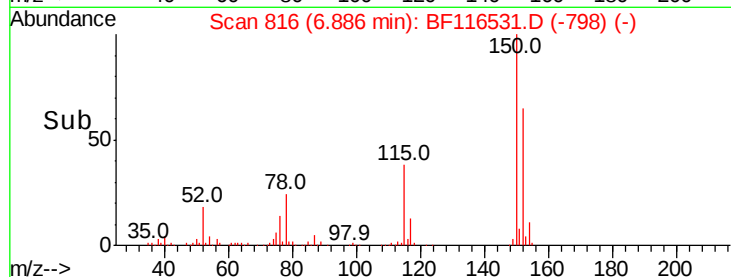
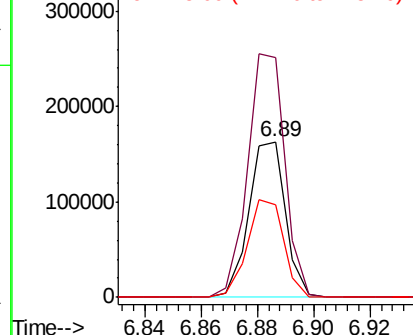
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146774
Ion Ratio Lower Upper
152 100
150 154.6 126.7 190.1
115 59.3 50.9 76.3



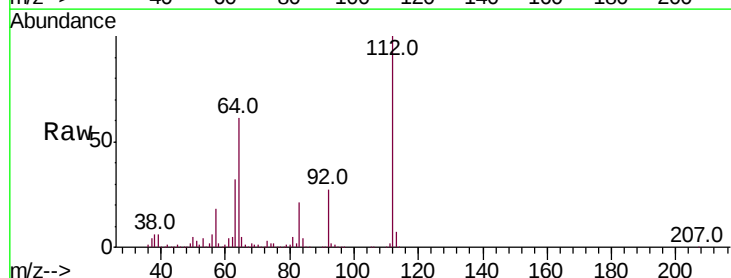
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



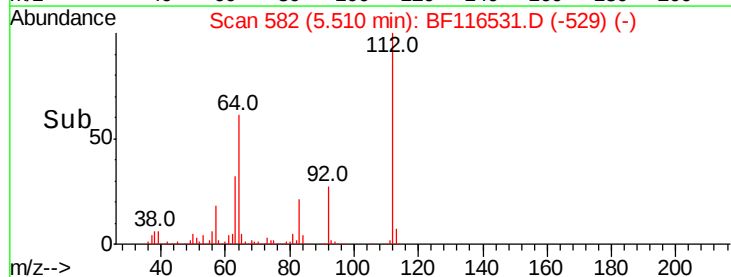
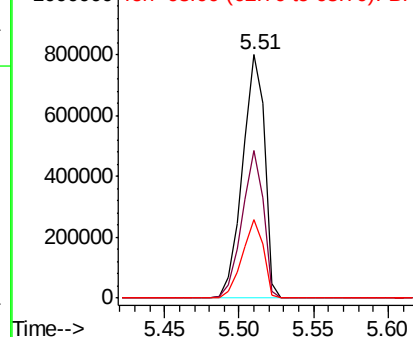
#5

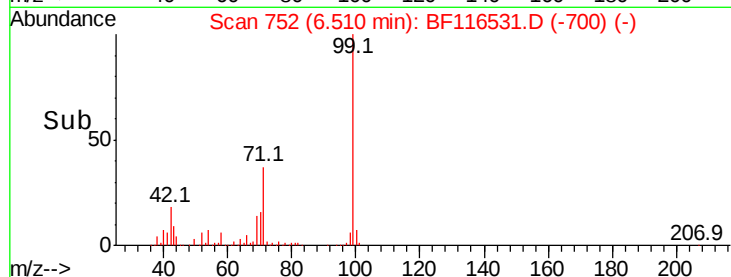
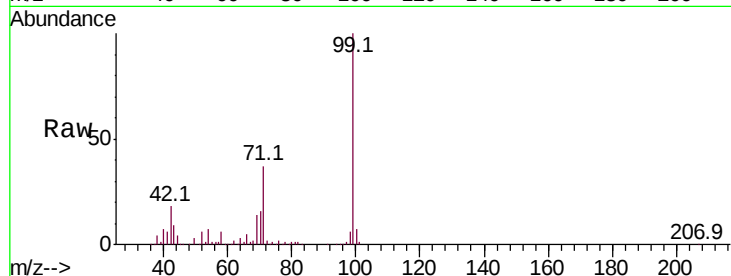
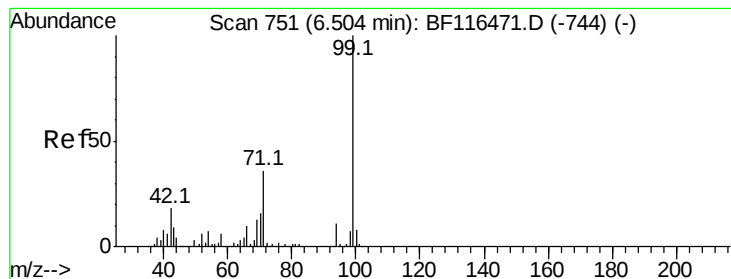
2-Fluorophenol
Concen: 82.265 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion:112 Resp: 826360
Ion Ratio Lower Upper
112 100
64 60.8 46.3 69.5
63 32.1 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: 91.044 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampleId :

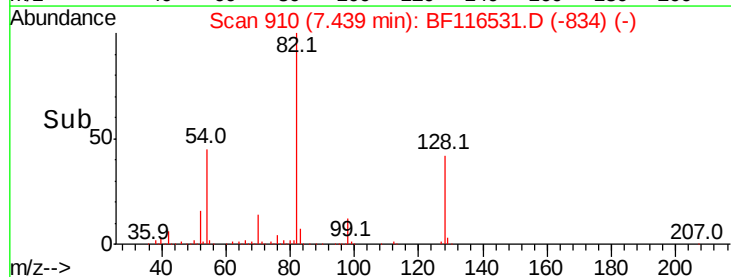
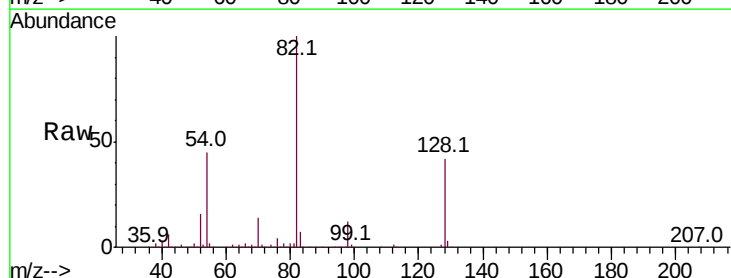
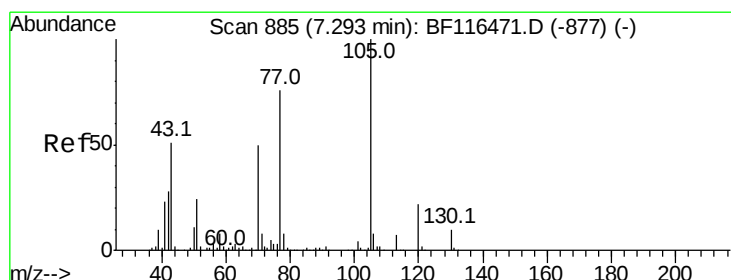
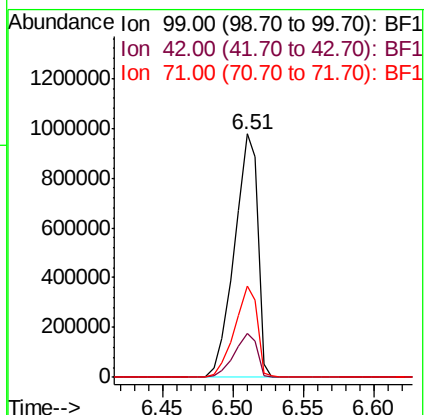
Tot Ion: 99 Resp: 1121377

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

71 37.4 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.419 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Tgt Ion: 70 Resp: 95972

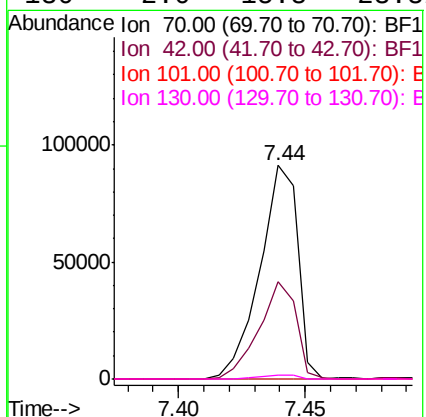
Ion Ratio Lower Upper

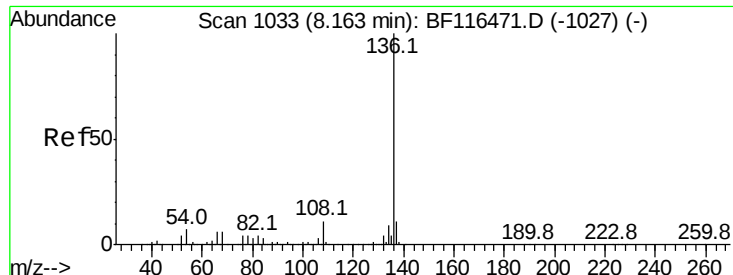
70 100

42 45.6 44.4 66.6

101 0.0 7.1 10.7#

130 2.0 15.8 23.8#

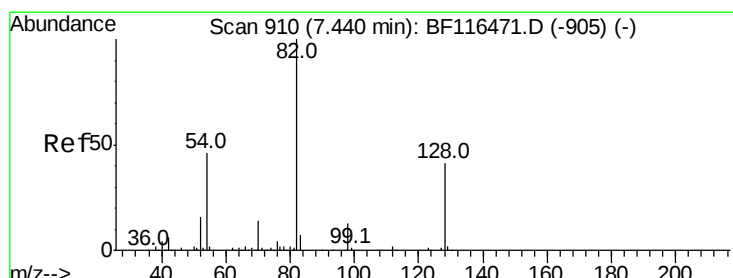
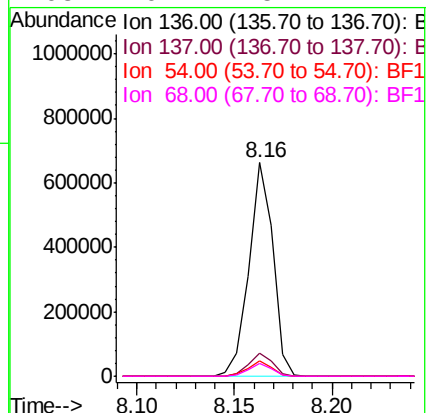
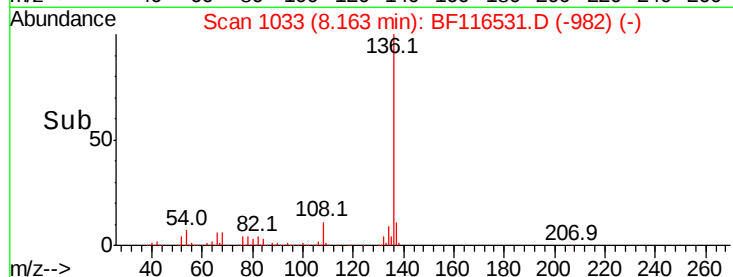
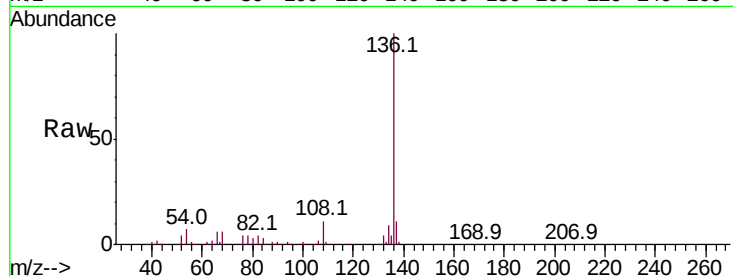




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

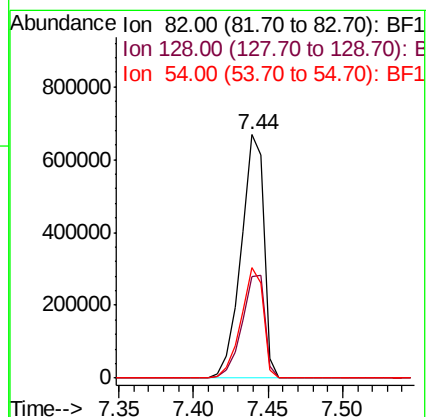
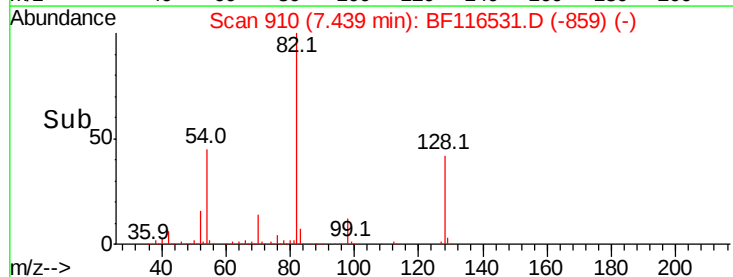
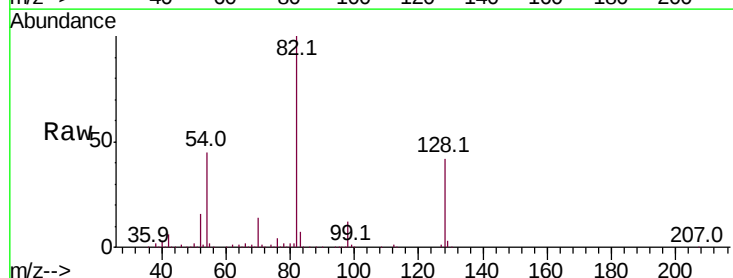
Instrument :
BNA_F
ClientSampleId :

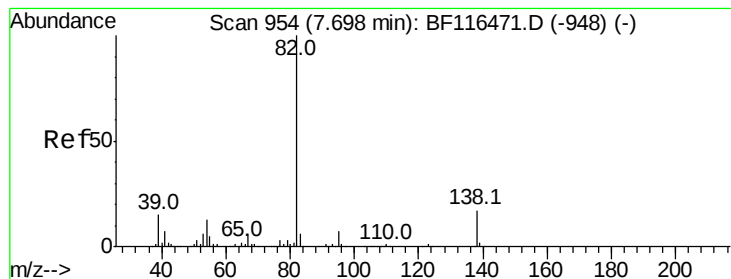
Tot Ion:136	Resp:	565668
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	7.1	5.8 8.6
68	6.1	5.1 7.7



#23
Nitrobenzene-d5
Concen: 68.612 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion: 82	Resp:	709403
Ion Ratio	Lower	Upper
82	100	
128	41.5	32.2 48.4
54	45.5	36.5 54.7





#25

Isophorone

Concen: 34.805 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampleId :

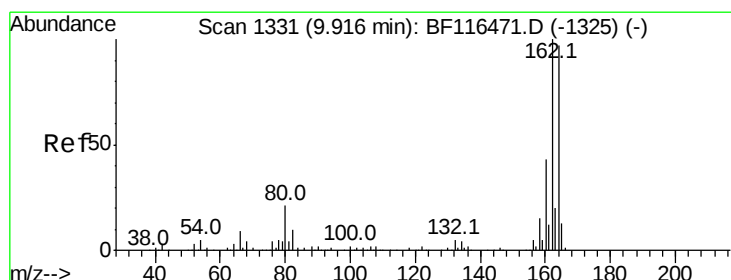
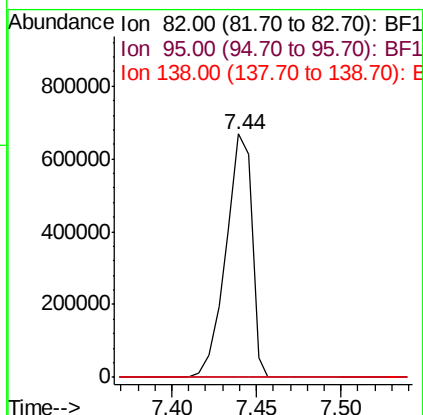
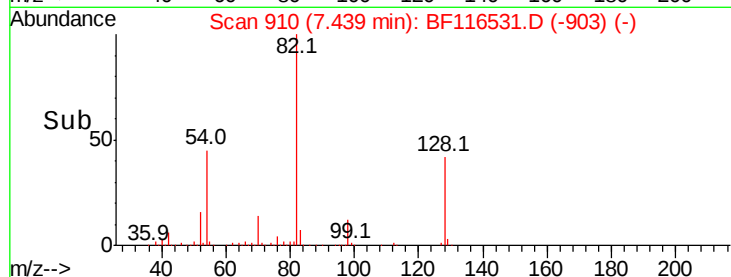
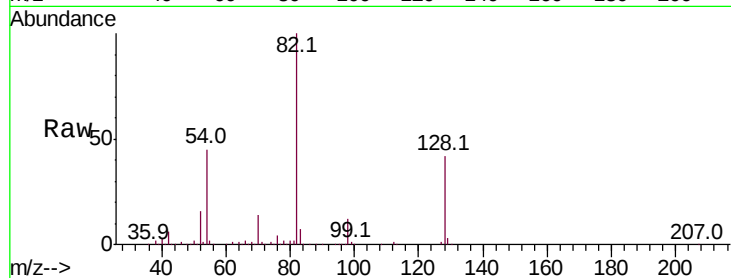
Tot Ion: 82 Resp: 709158

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.3 19.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

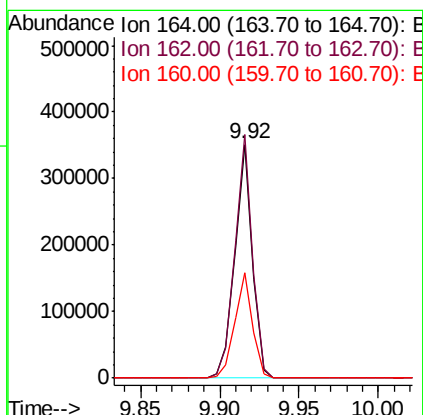
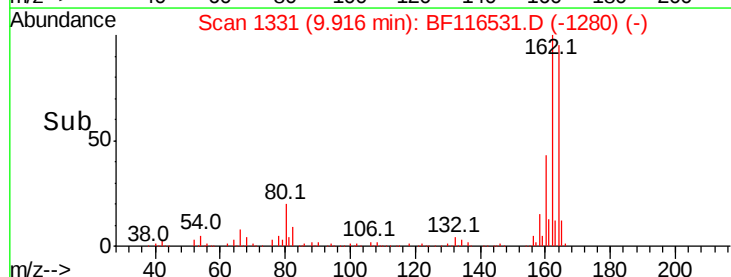
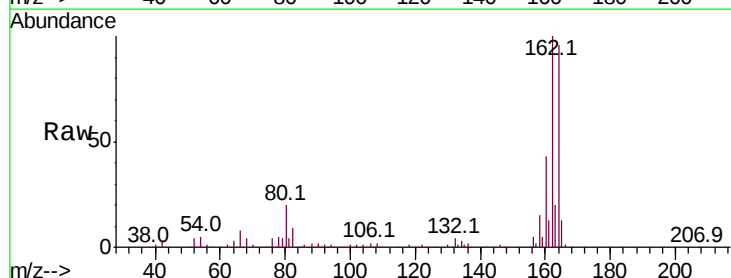
Tgt Ion:164 Resp: 272158

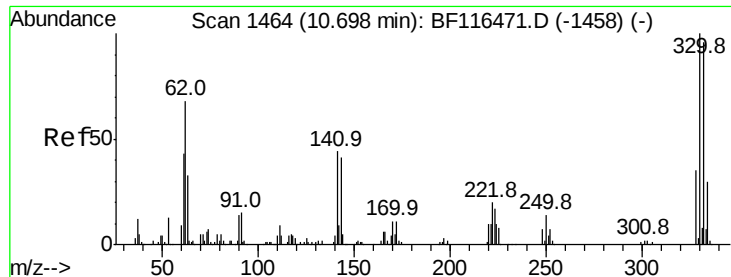
Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

160 44.9 35.8 53.8

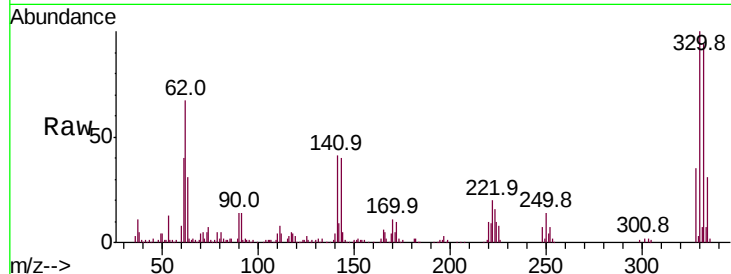




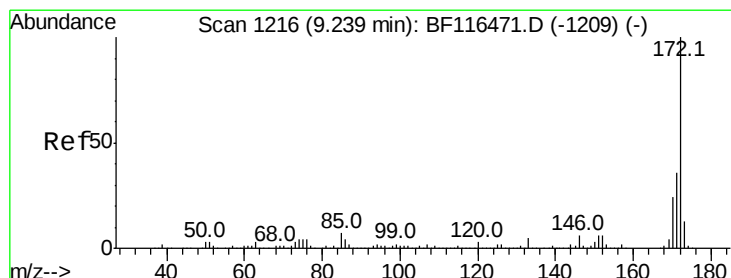
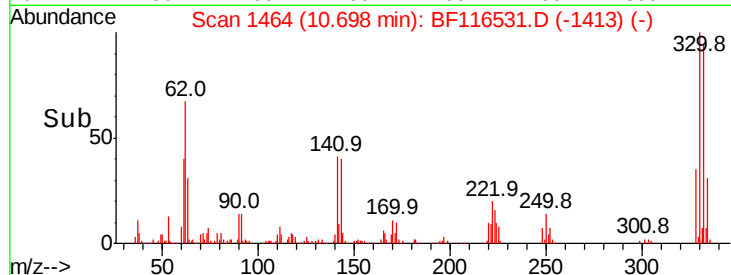
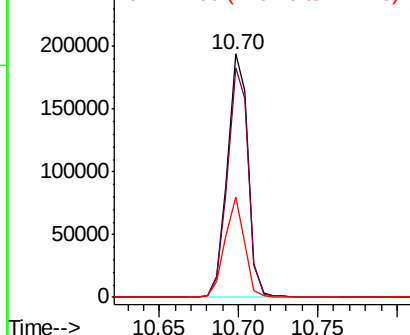
#42
 2,4,6-Tribromophenol
 Concen: 75.289 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.2	115.8
141	39.3	33.3	49.9

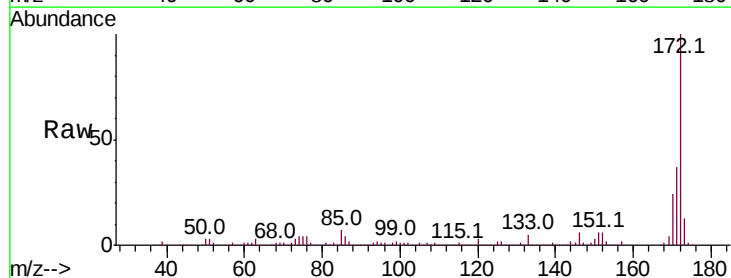


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

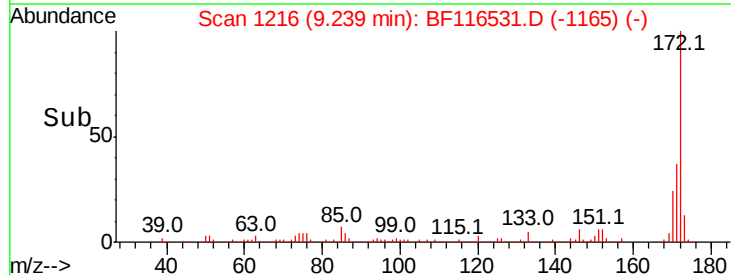
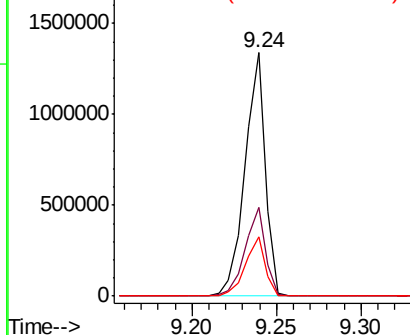


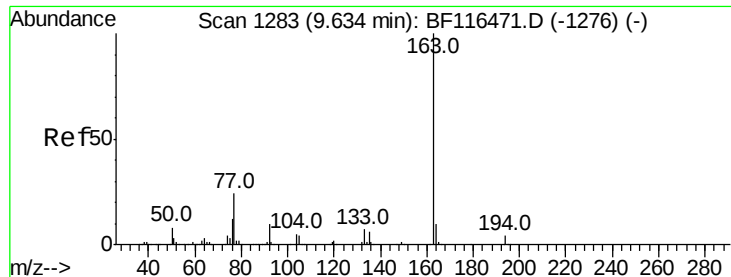
#45
 2-Fluorobiphenyl
 Concen: 67.030 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.9	43.3
170	24.1	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: 5.567 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampleId :

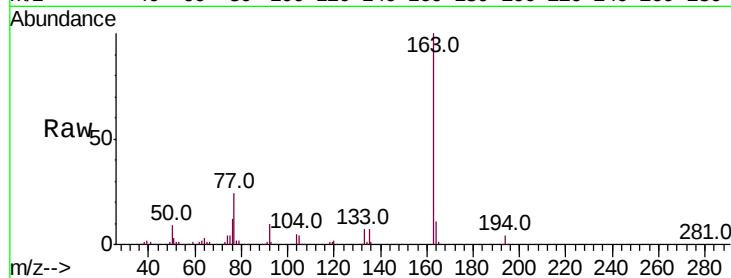
Tot Ion:163 Resp: 105704

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

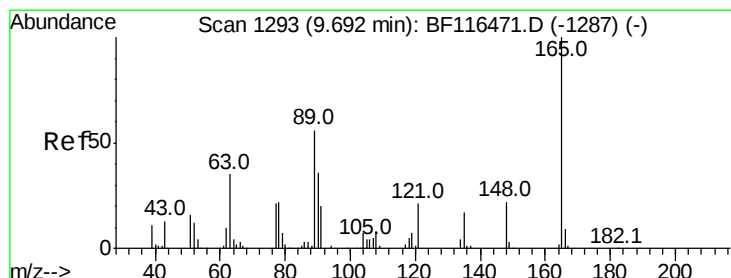
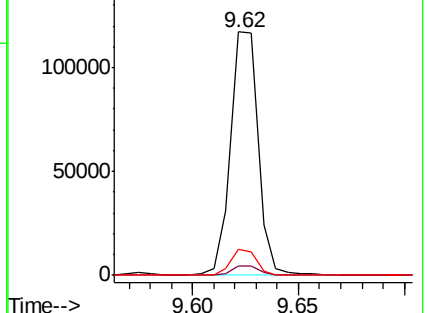
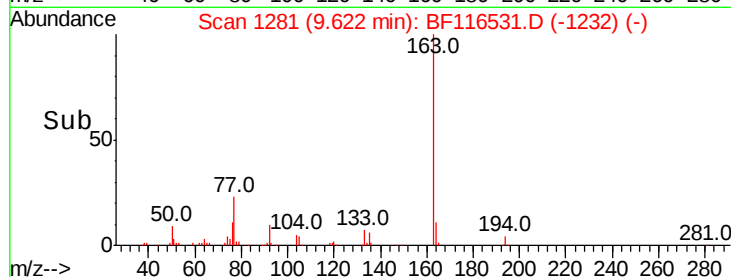
164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.296 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

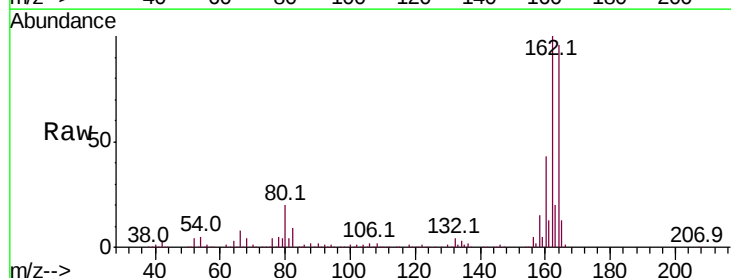
Tgt Ion:165 Resp: 36131

Ion Ratio Lower Upper

165 100

63 1.2 43.7 65.5#

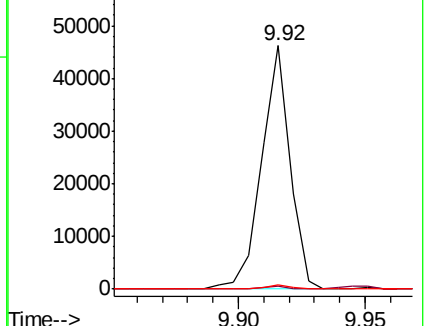
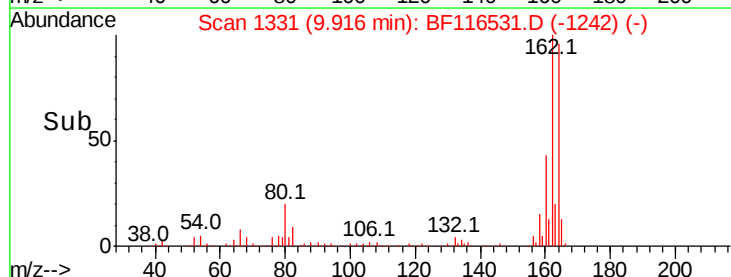
89 1.9 45.1 67.7#

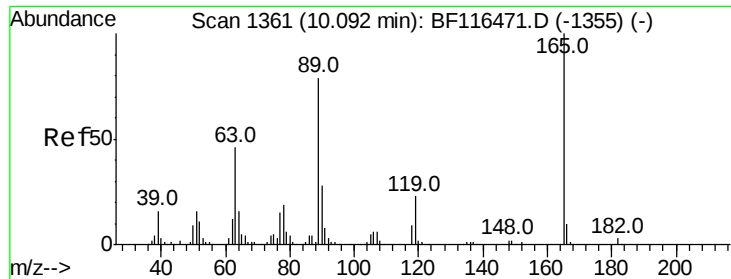


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

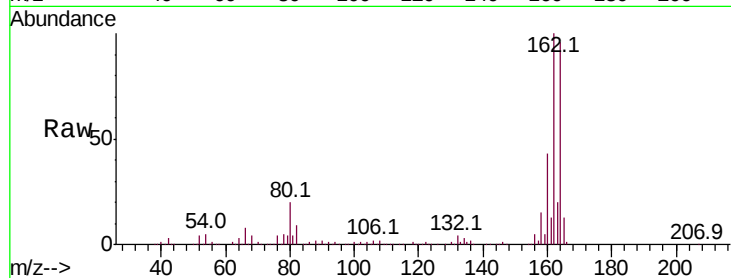




#57
 2,4-Dinitrotoluene
 Concen: 7.306 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.9	55.3#
89	1.9	63.4	95.0#
182	0.0	2.1	3.1#

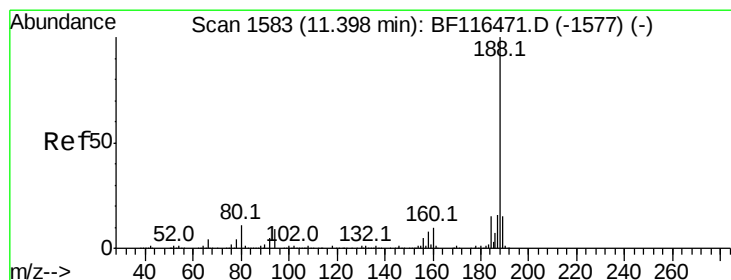
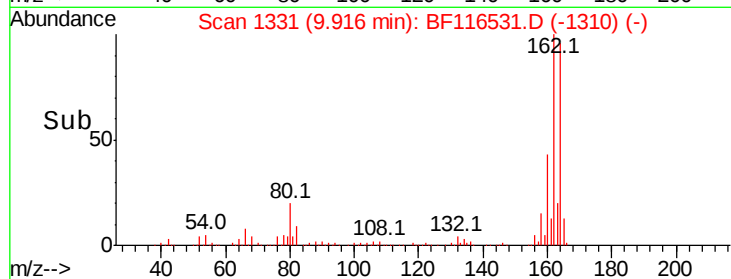
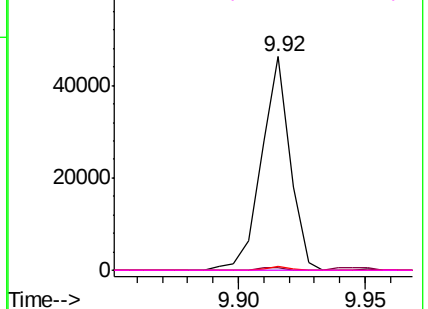


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

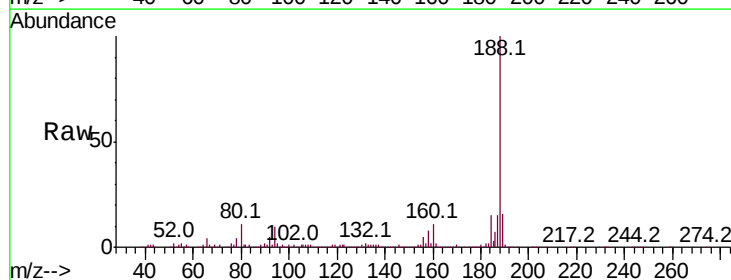
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

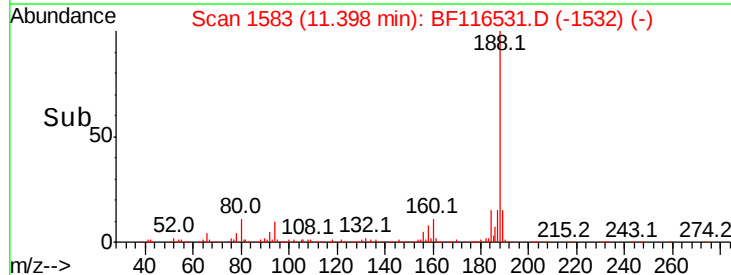
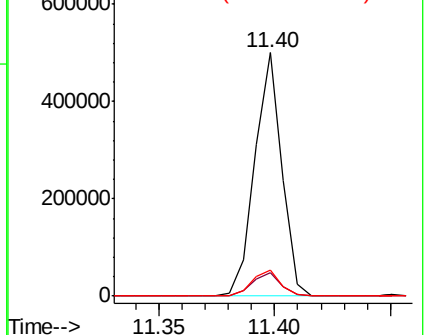
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.4	11.2
80	10.6	8.6	12.8

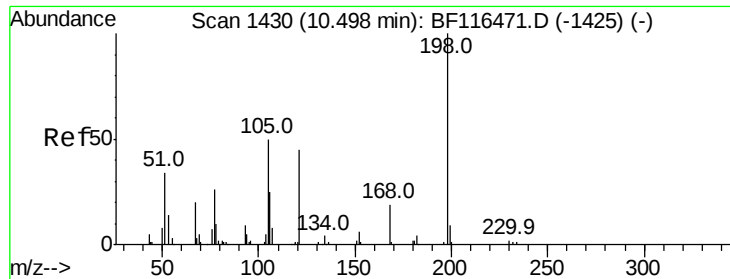


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.176 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.20 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampled :

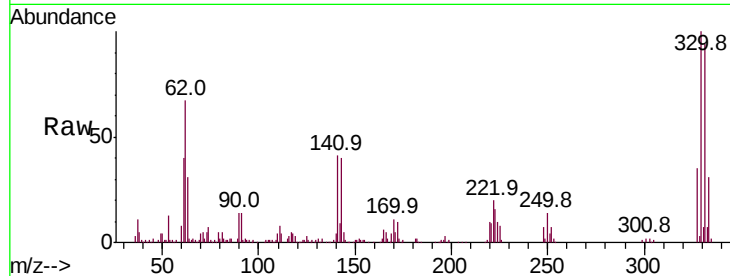
Tot Ion:198 Resp: 335

Ion Ratio Lower Upper

198 100

51 221.9 30.4 70.4#

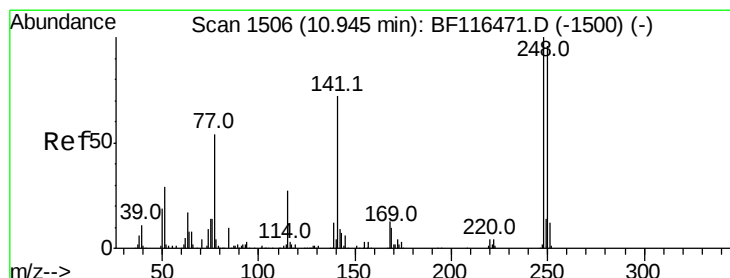
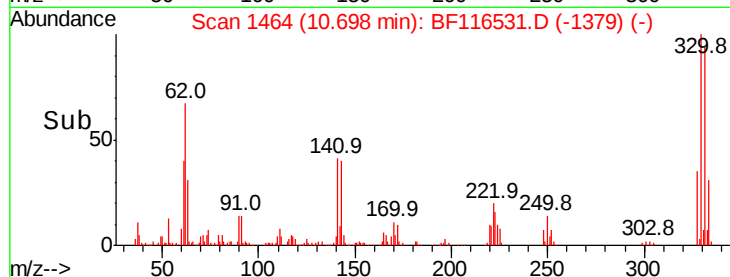
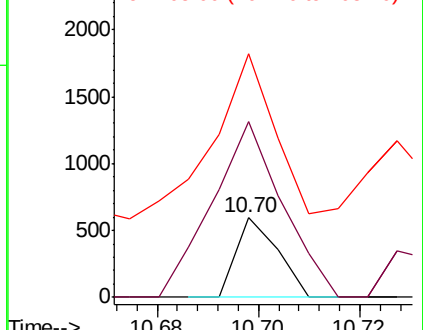
105 306.6 32.8 72.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.704 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.25 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

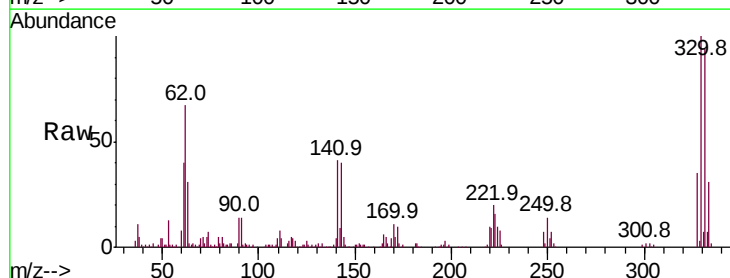
Tgt Ion:248 Resp: 11612

Ion Ratio Lower Upper

248 100

250 199.4 77.0 115.6#

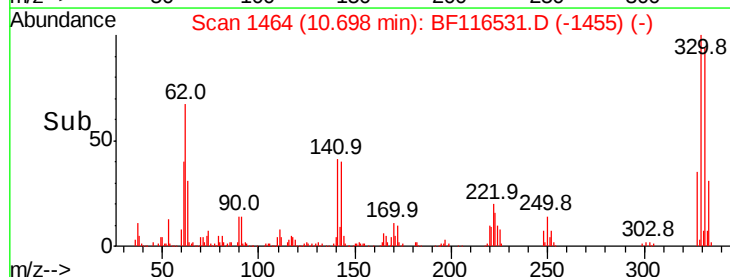
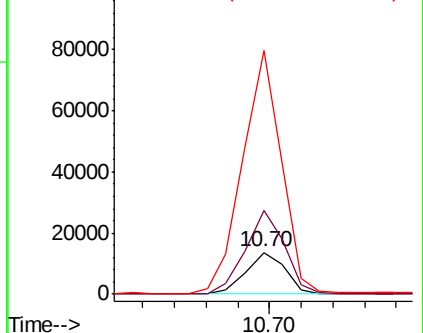
141 583.1 57.4 86.0#

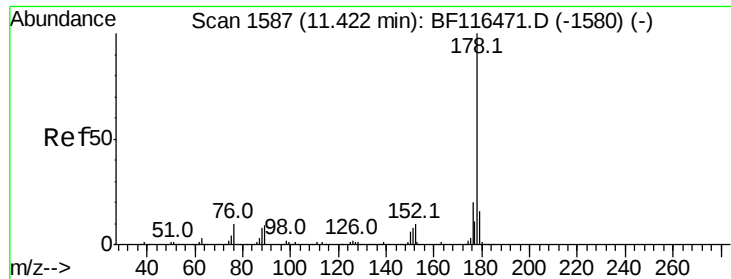


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

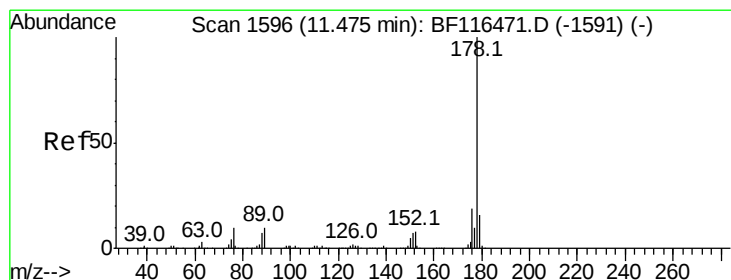
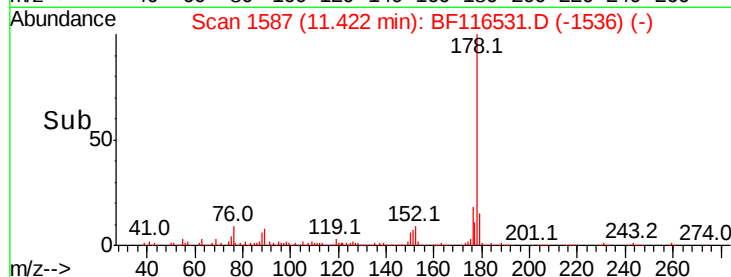
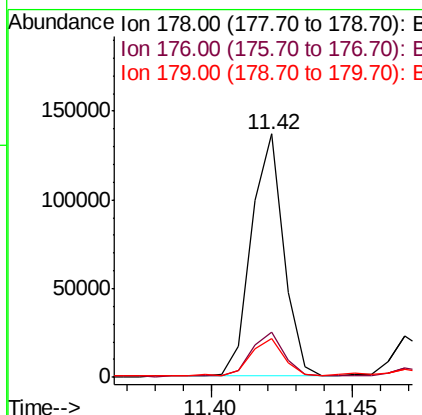
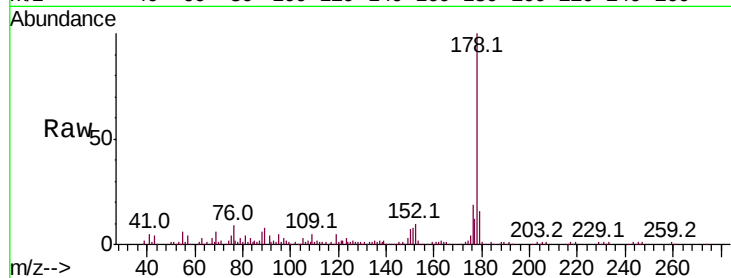




#71
Phenanthrene
Concen: 4.871 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

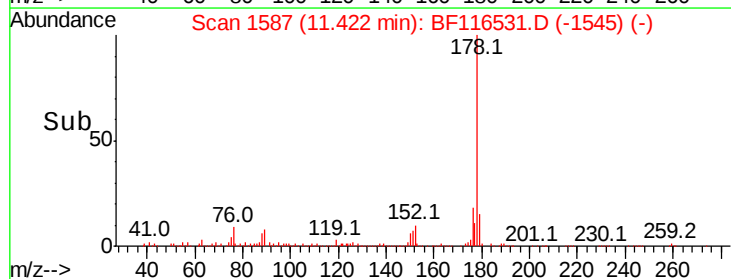
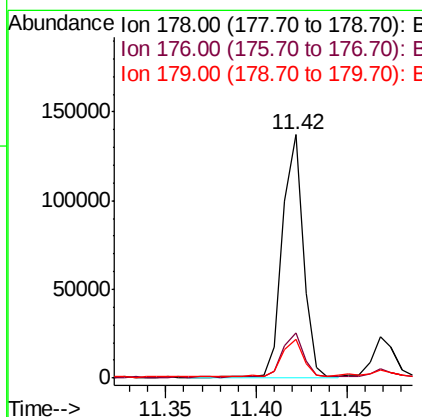
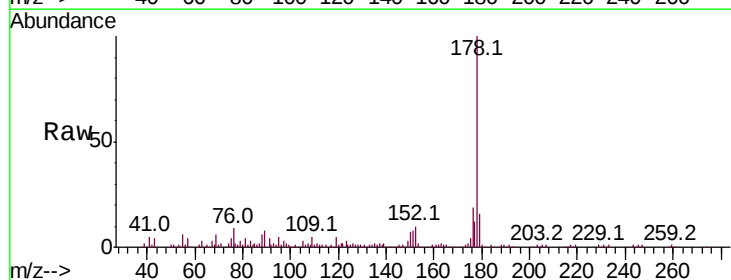
Instrument :
BNA_F
ClientSampleId :

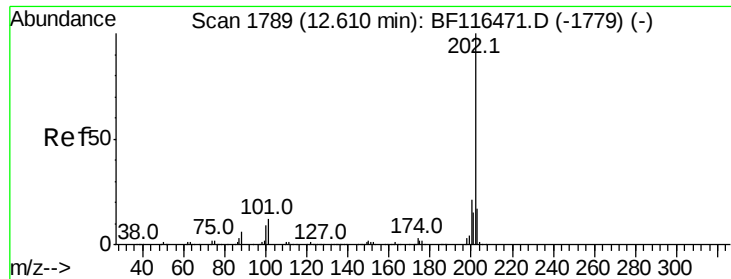
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.7	12.8	19.2



#72
Anthracene
Concen: 4.872 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.05 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.7	12.5	18.7





#75

Fluoranthene

Concen: 6.650 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampleId :

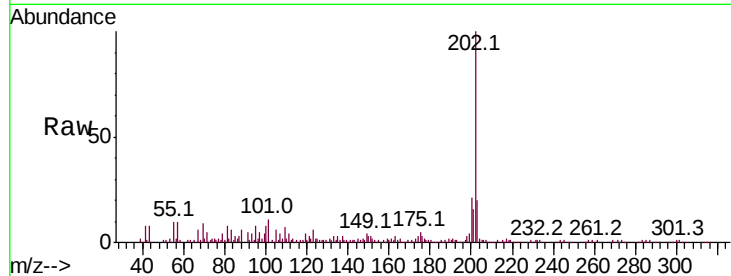
Tot Ion:202 Resp: 153438

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.5

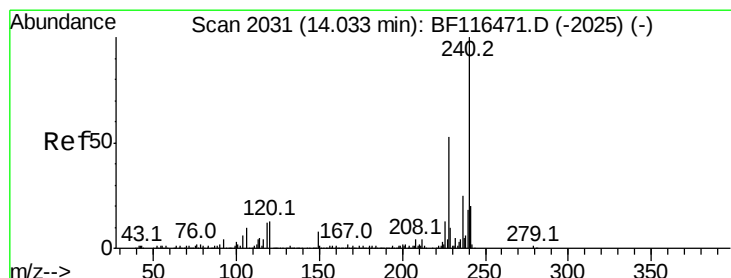
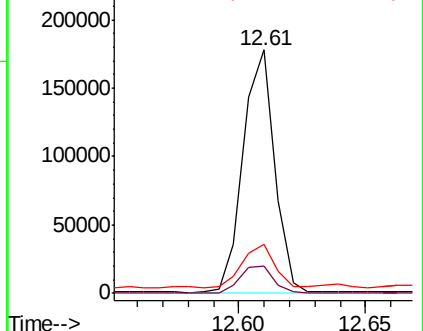
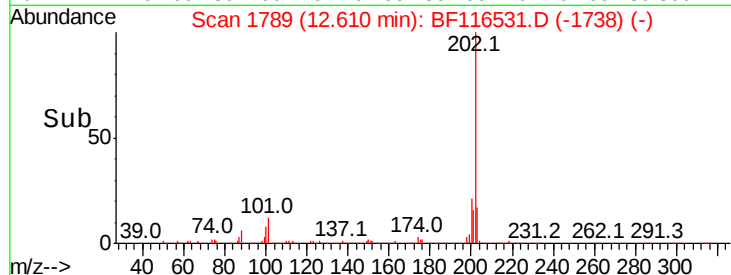
203 20.1 0.0 37.5



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: BF116531.D

Acq: 25 Aug 2019 14:53

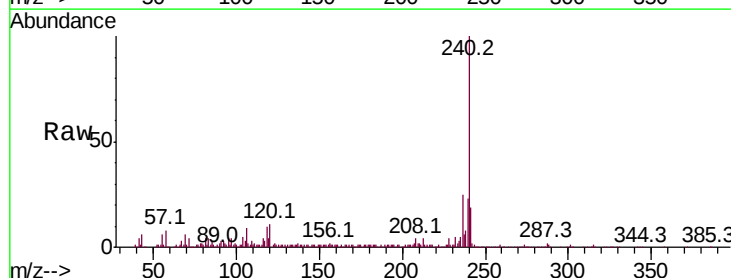
Tgt Ion:240 Resp: 221869

Ion Ratio Lower Upper

240 100

120 11.3 10.5 15.7

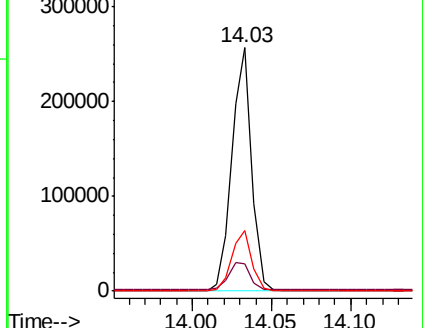
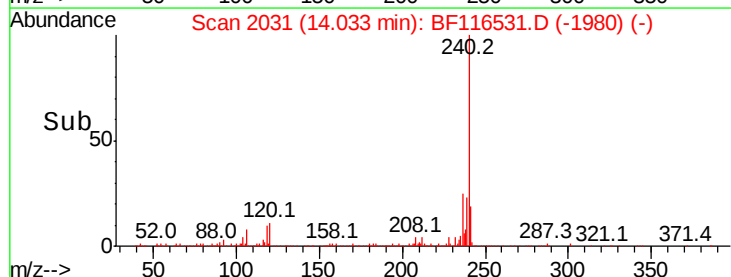
236 25.0 20.2 30.2

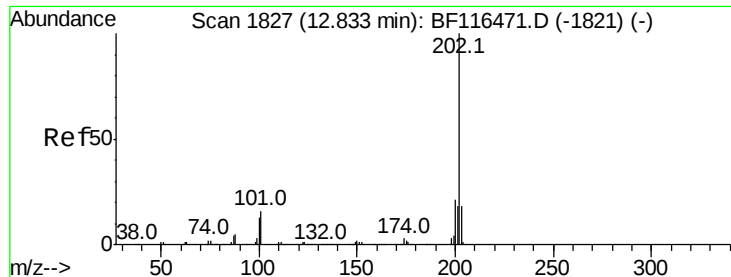


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.357 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampleId :

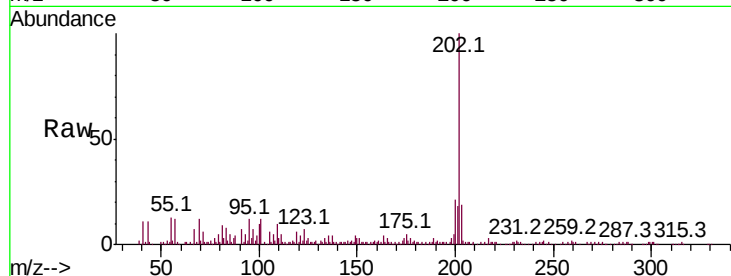
Tot Ion:202 Resp: 130539

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

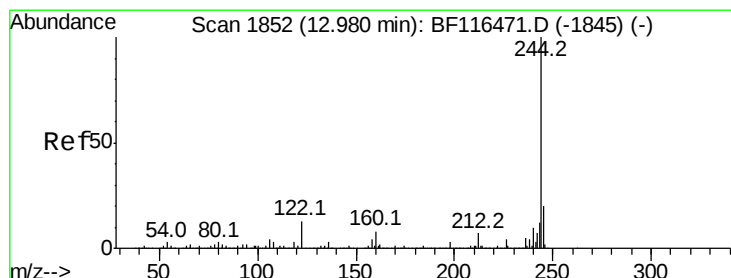
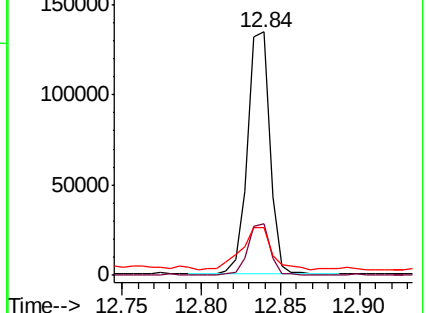
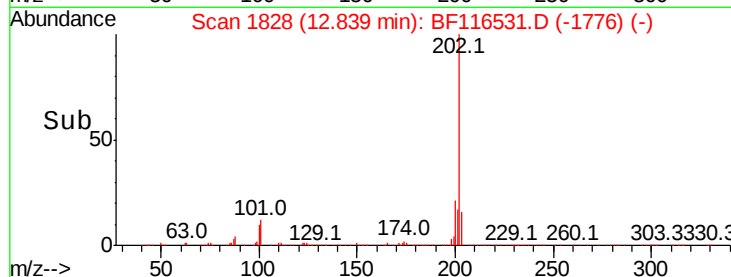
203 19.5 14.2 21.4



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: 69.412 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

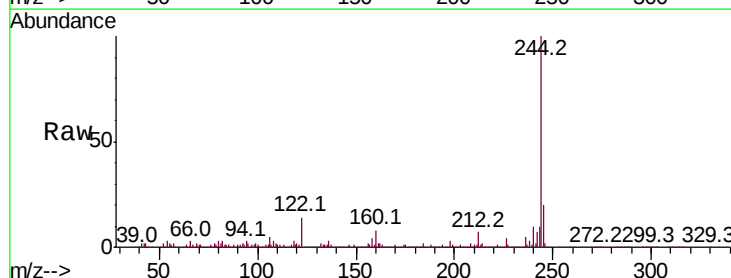
Tgt Ion:244 Resp: 824479

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

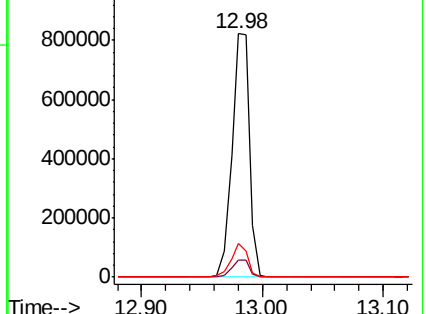
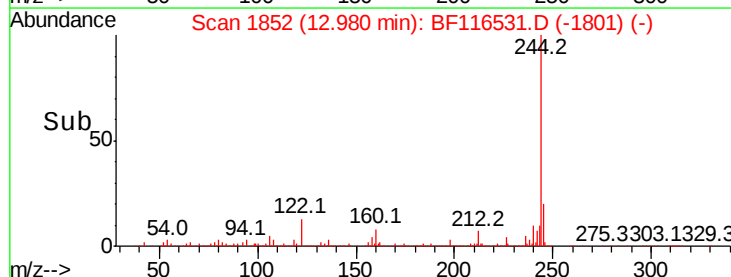
122 13.6 10.2 15.4

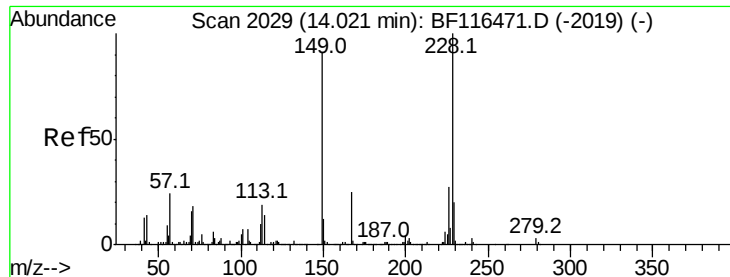


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

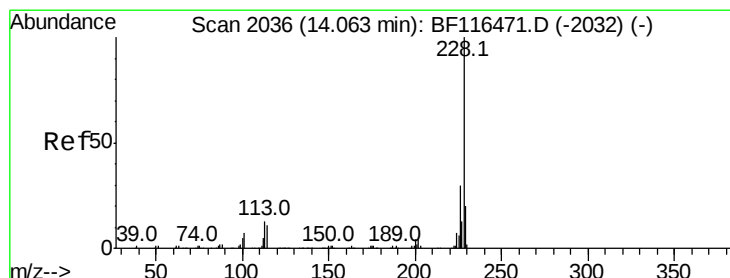
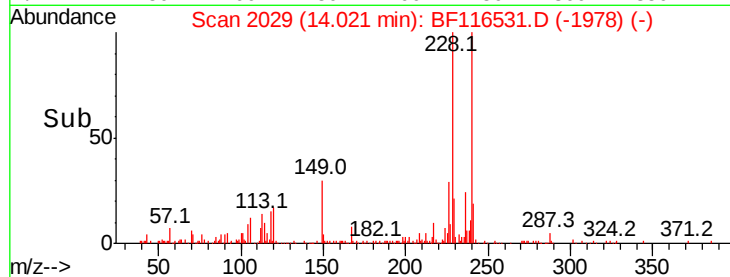
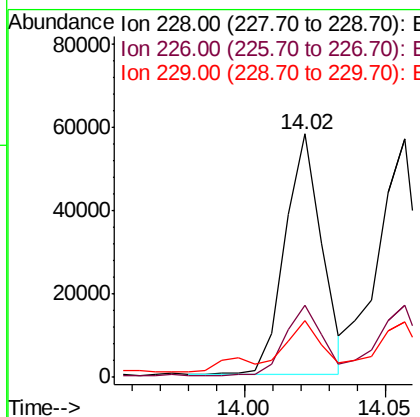
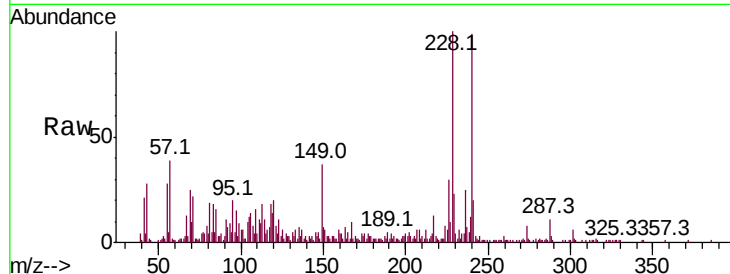




#81
Benzo(a)anthracene
Concen: 3.653 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

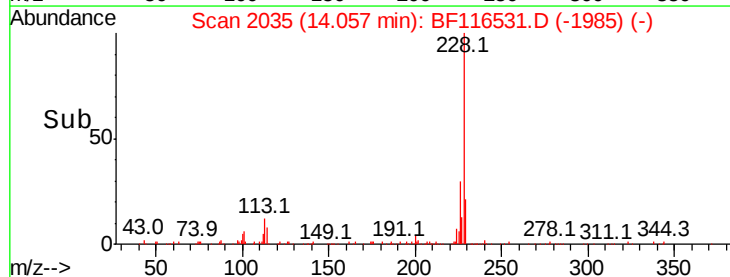
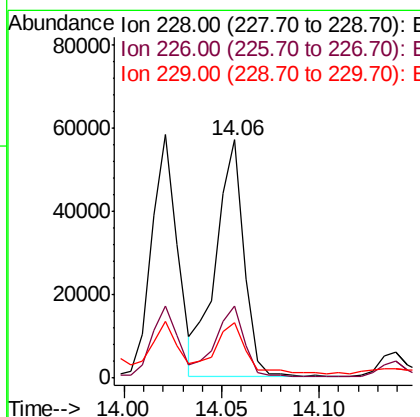
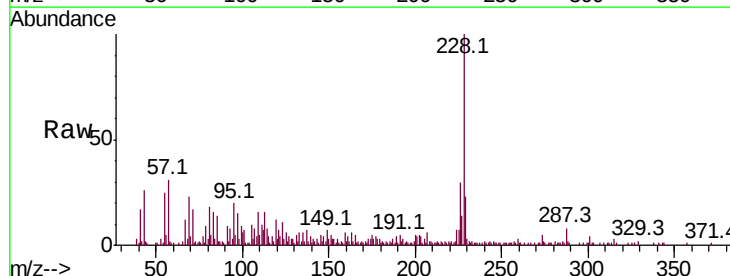
Instrument :
BNA_F
ClientSampleId :

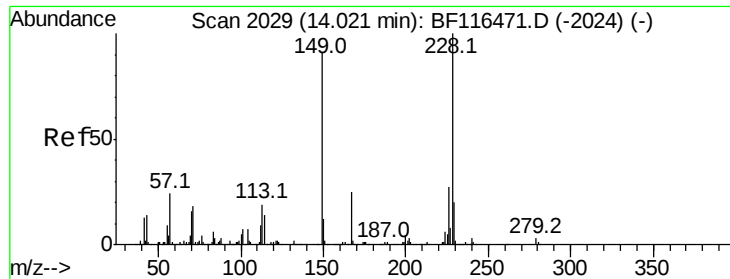
Tot Ion:228 Resp: 52494
Ion Ratio Lower Upper
228 100
226 29.6 21.8 32.6
229 23.2 15.9 23.9



#83
Chrysene
Concen: 3.901 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion:228 Resp: 56810
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 23.0 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.076 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

Instrument :

BNA_F

ClientSampleId :

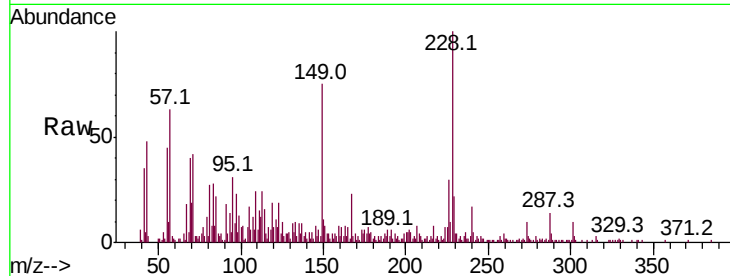
Tot Ion:149 Resp: 21213

Ion Ratio Lower Upper

149 100

167 30.2 21.8 32.6

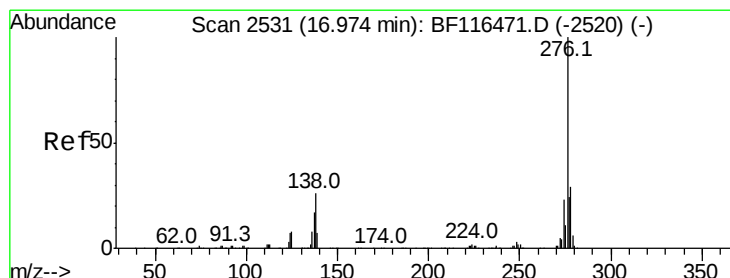
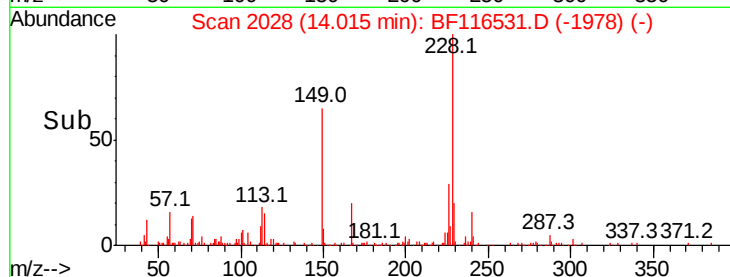
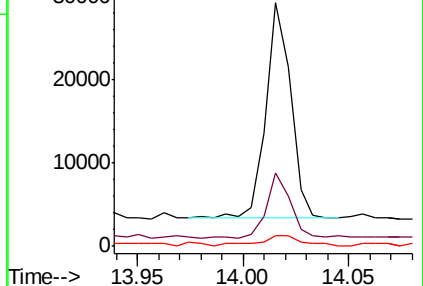
279 4.2 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.873 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BF116531.D

Acq: 25 Aug 2019 14:53

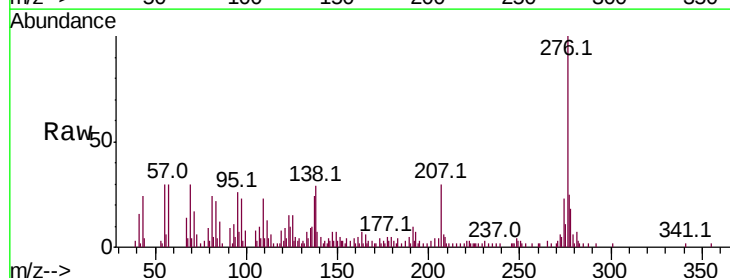
Tgt Ion:276 Resp: 35839

Ion Ratio Lower Upper

276 100

138 25.1 22.9 34.3

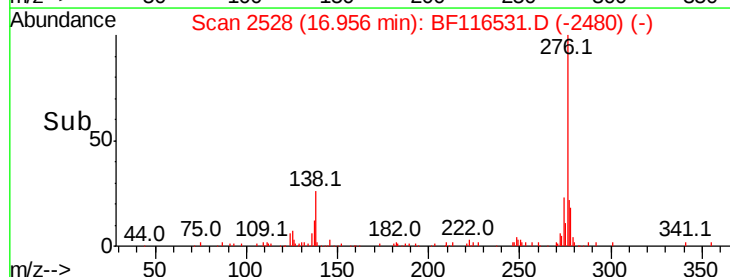
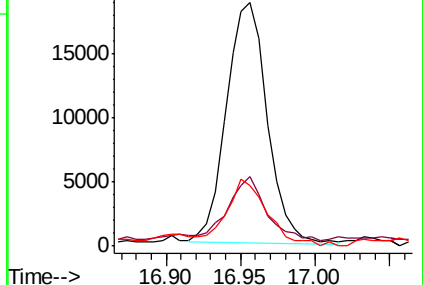
277 28.1 19.9 29.9

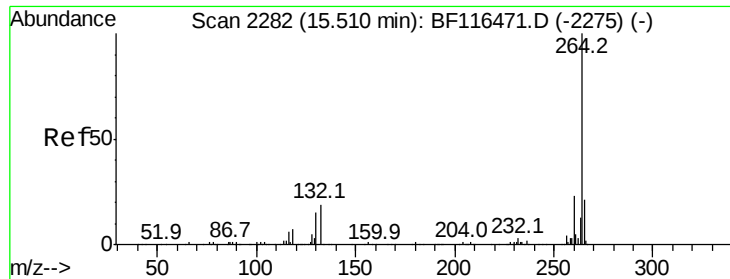


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

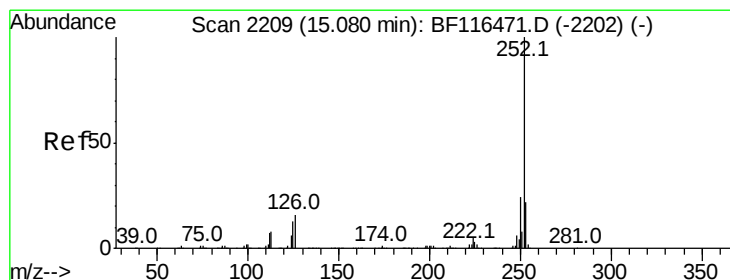
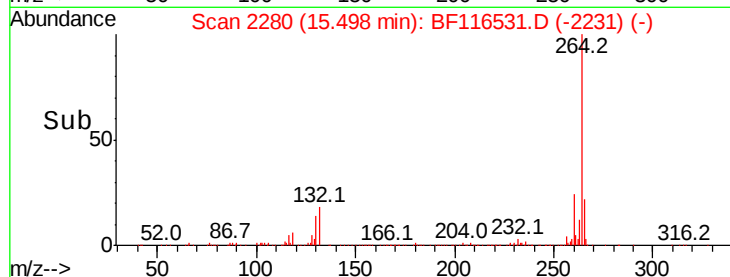
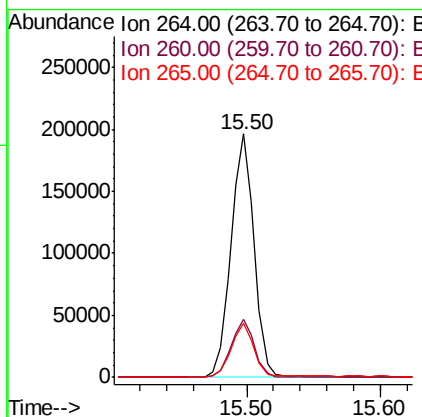
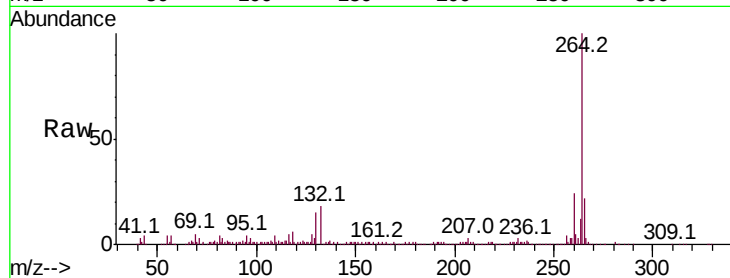




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

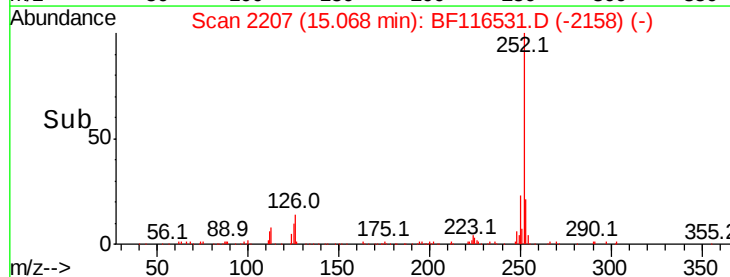
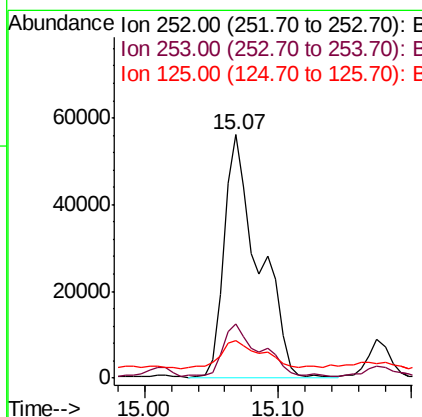
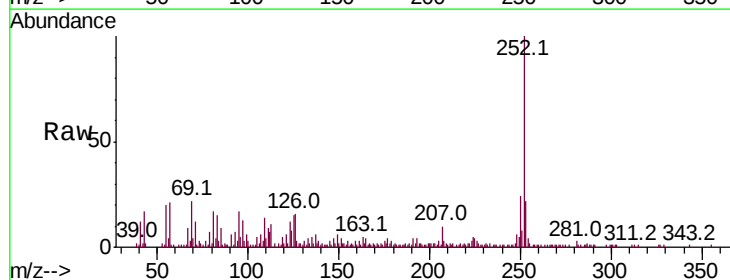
Instrument :
BNA_F
ClientSampled :

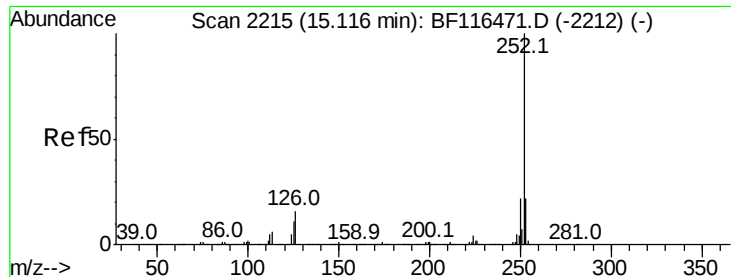
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.5	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 6.942 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	15.3	10.1	15.1#

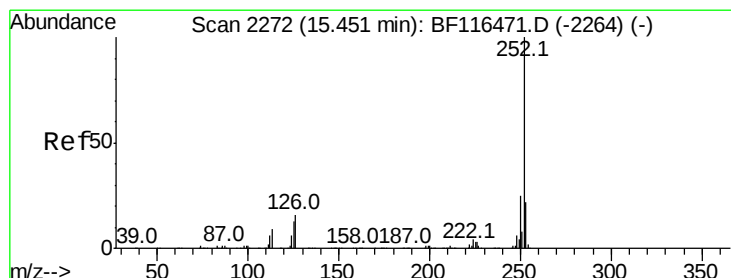
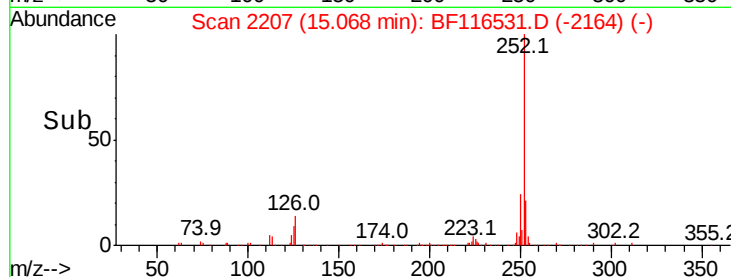
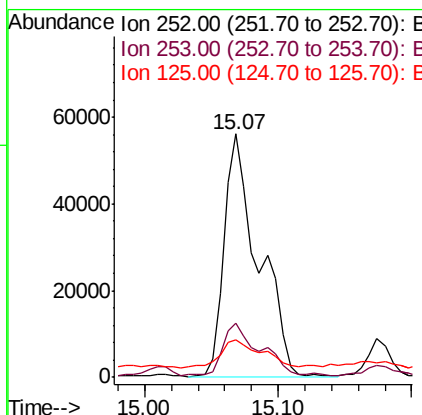
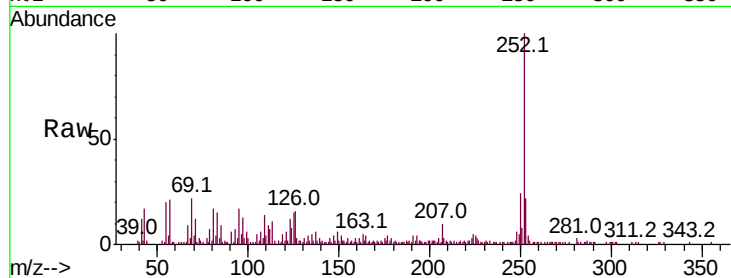




#89
Benzo(k)fluoranthene
Concen: 7.663 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

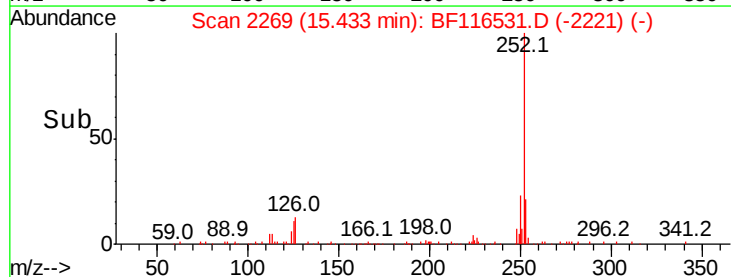
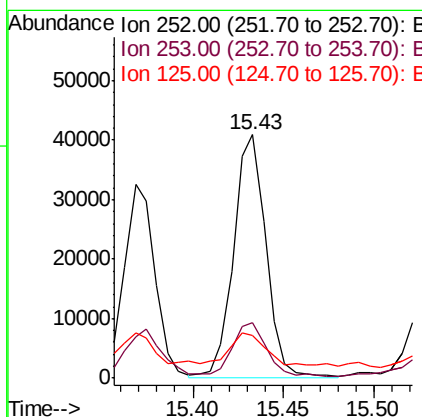
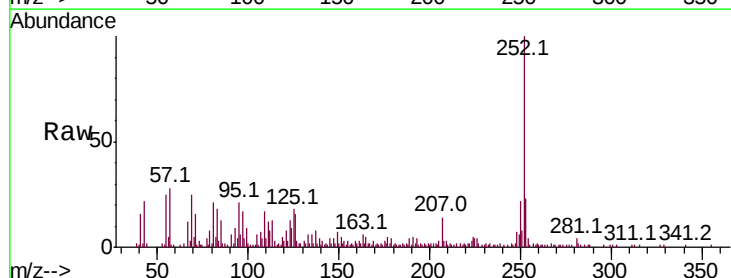
Instrument :
BNA_F
ClientSampleId :

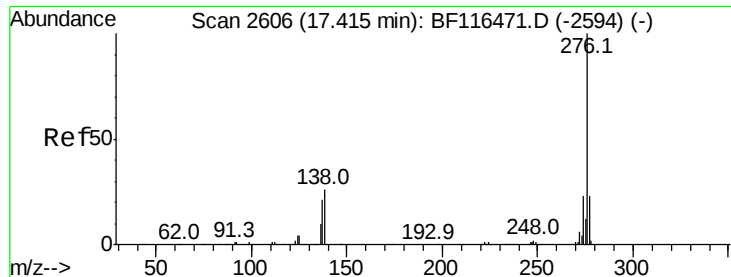
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	15.3	9.1	13.7



#90
Benzo(a)pyrene
Concen: 3.902 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116531.D
Acq: 25 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	17.7	10.2	15.4





#92
 Benzo(a,h,i)perylene
 Concen: 3.626 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF116531.D
 Acq: 25 Aug 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	23.9	20.8	31.2

