

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118039.D
 Acq On : 27 Nov 2019 14:31
 Operator : JU
 Sample : K6021-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 15:22:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

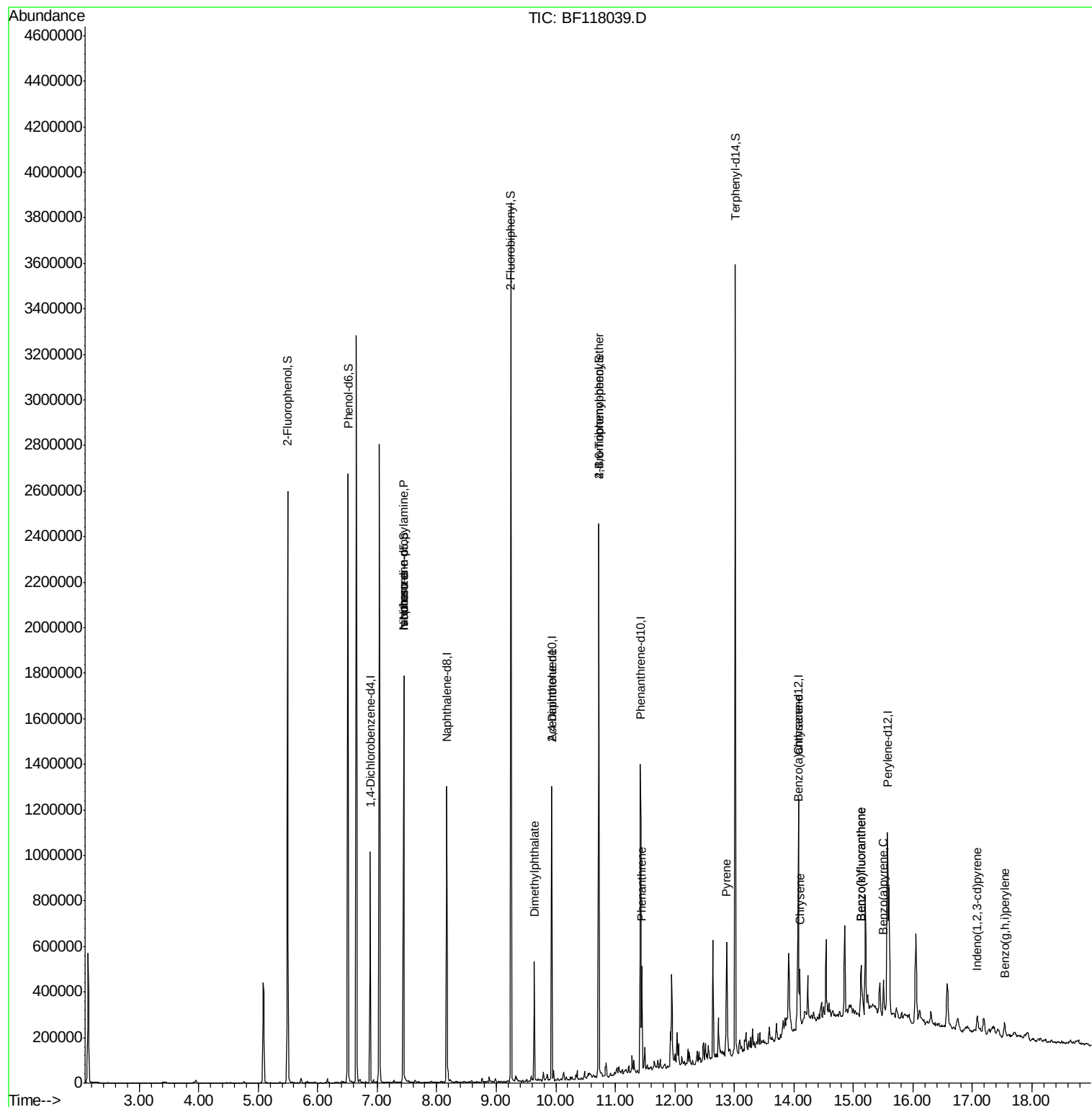
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	137972	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	537672	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	275750	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	485117	20.00	ng	-0.01
76) Chrysene-d12	14.07	240	297034	20.00	ng	-0.01
87) Perylene-d12	15.57	264	349733	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	746262	95.74	ng	0.00
7) Phenol-d6	6.51	99	951394	101.20	ng	-0.01
23) Nitrobenzene-d5	7.45	82	587179	64.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	267963	91.79	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1124057	73.13	ng	-0.02
79) Terphenyl-d14	13.02	244	1083215	66.65	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.43	77	749	Below Cal		Qvalue # 53
19) n-Nitroso-di-n-propylamine	7.45	70	81625	14.073	ng	# 72
25) Isophorone	7.45	82	587171	35.419	ng	# 62
50) Dimethylphthalate	9.64	163	177567	9.183	ng	99
57) 2,4-Dinitrotoluene	9.93	165	35602	6.623	ng	# 25
67) 4-Bromophenyl-phenylether	10.72	248	16849	3.219	ng	# 1
71) Phenanthrene	11.45	178	158102	6.482	ng	98
78) Pyrene	12.87	202	214313	8.928	ng	98
81) Benzo(a)anthracene	14.06	228	96391	4.911	ng	97
83) Chrysene	14.10	228	92618	4.870	ng	96
86) Indeno(1,2,3-cd)pyrene	17.08	276	52352	3.234	ng	92
88) Benzo(b)fluoranthene	15.13	252	157039	6.911	ng	98
89) Benzo(k)fluoranthene	15.13	252	157039	7.335	ng	# 98
90) Benzo(a)pyrene	15.50	252	73313	3.669	ng	# 96
92) Benzo(a,h,i)perylene	17.54	276	50919	2.973	ng	100

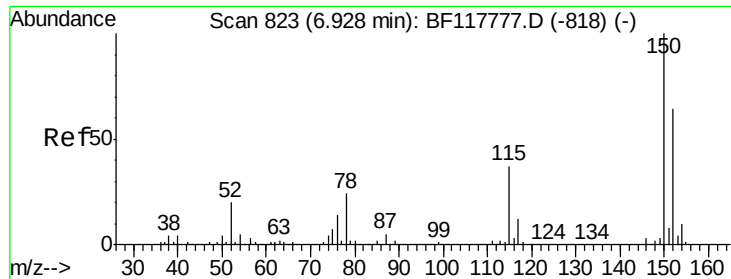
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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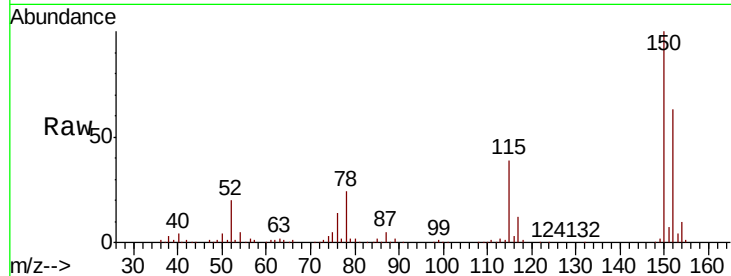


#1

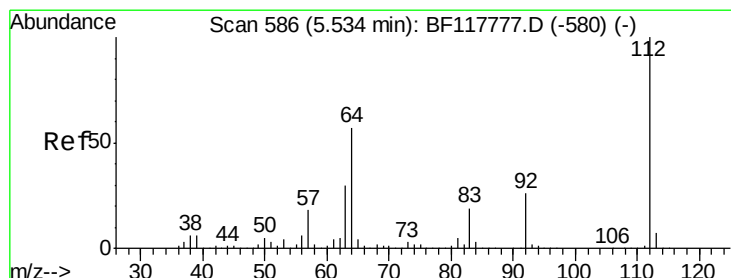
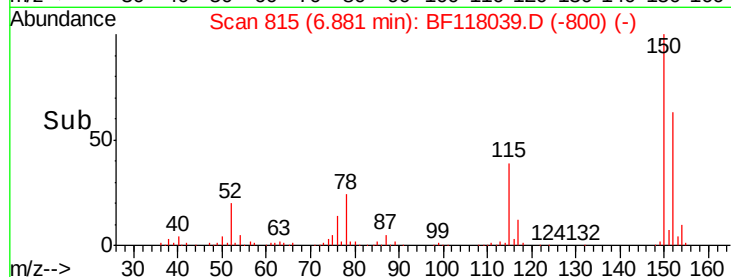
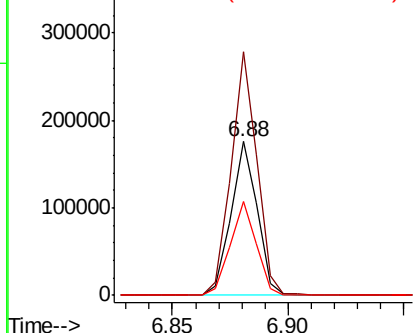
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137972
Ion Ratio Lower Upper
152 100
150 158.5 125.3 187.9
115 61.3 47.0 70.4



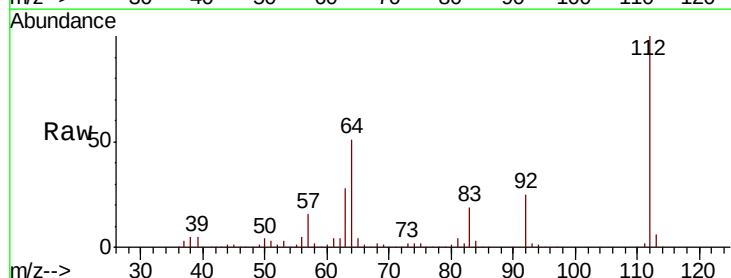
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



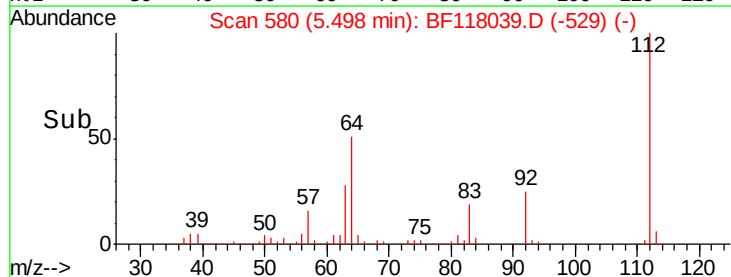
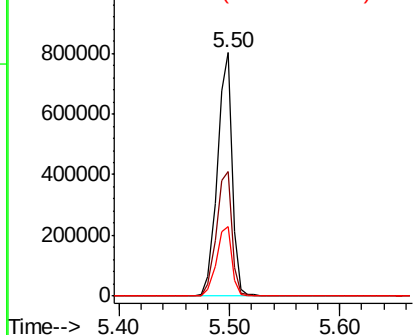
#5

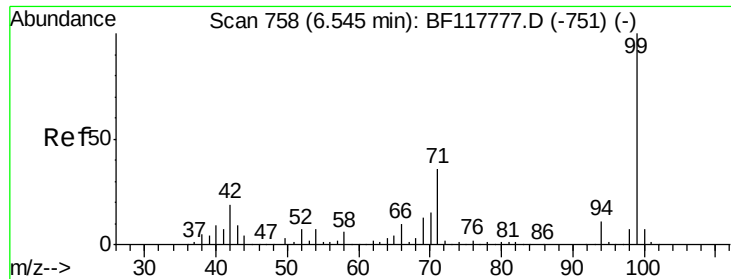
2-Fluorophenol
Concen: 95.741 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion:112 Resp: 746262
Ion Ratio Lower Upper
112 100
64 50.9 45.6 68.4
63 28.3 24.1 36.1



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: 101.196 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

ClientSampleId :

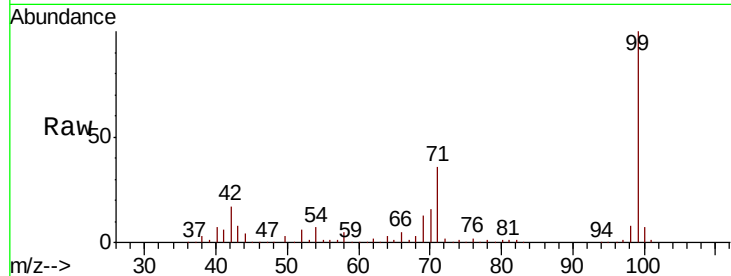
Tot Ion: 99 Resp: 951394

Ion Ratio Lower Upper

99 100

42 16.9 14.9 22.3

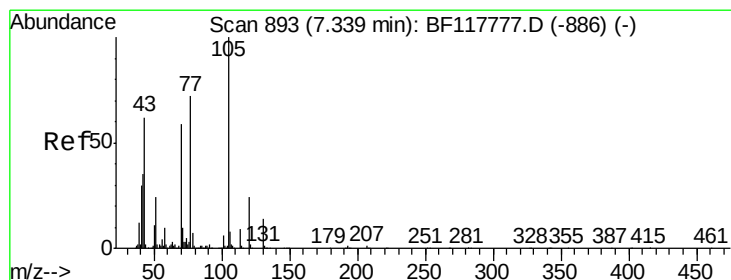
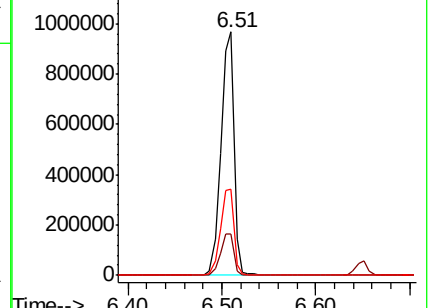
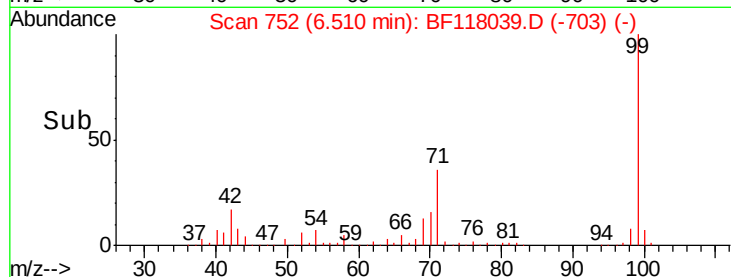
71 35.6 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.073 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Tgt Ion: 70 Resp: 81625

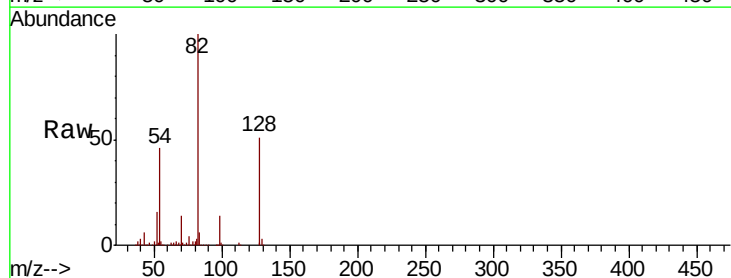
Ion Ratio Lower Upper

70 100

42 42.7 47.4 71.2#

101 0.0 8.4 12.6#

130 1.9 18.8 28.2#

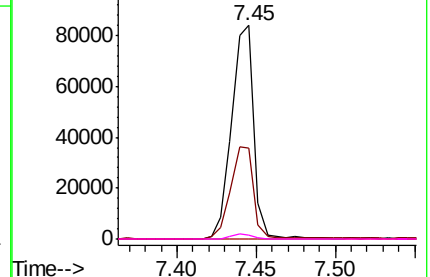
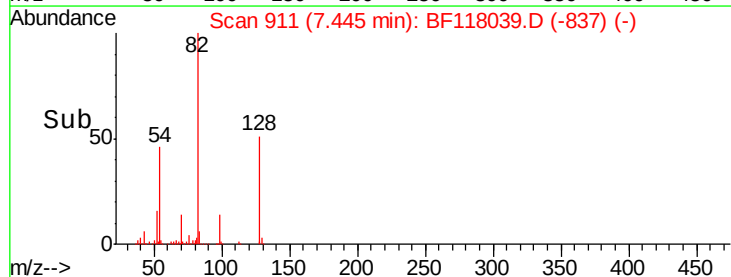


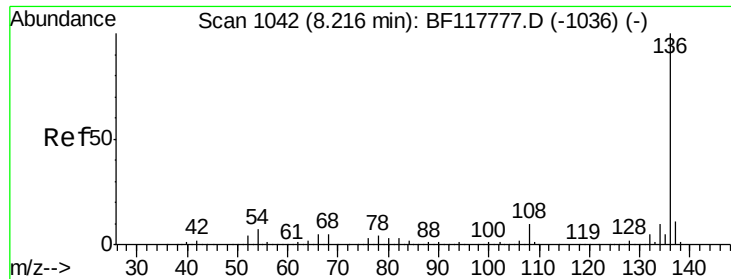
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

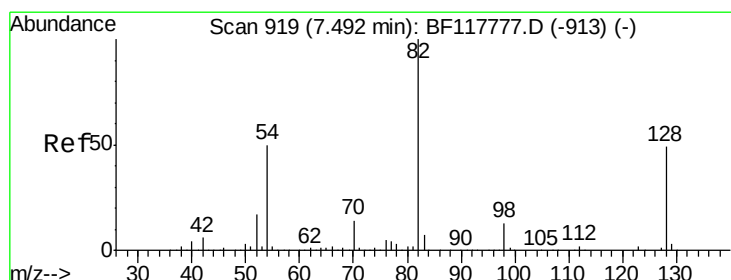
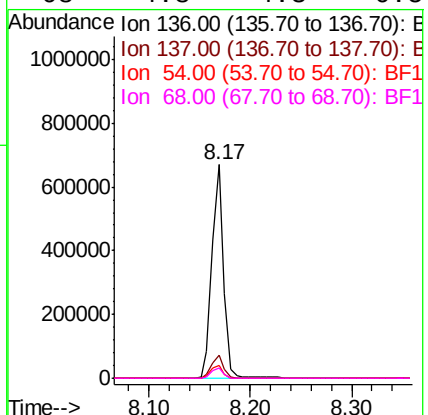
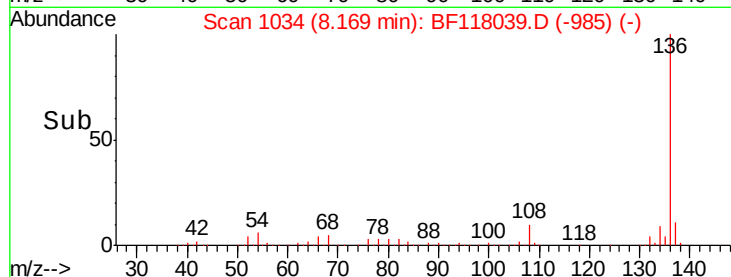
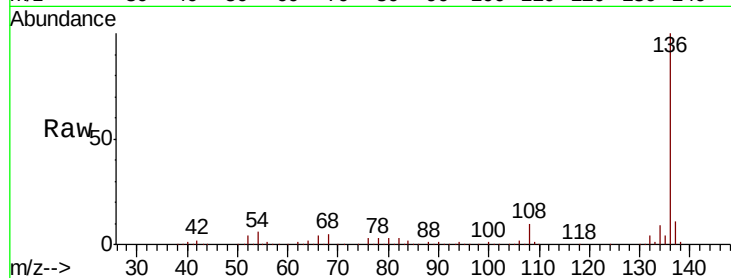




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

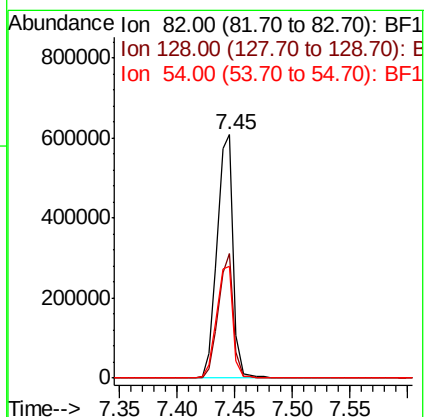
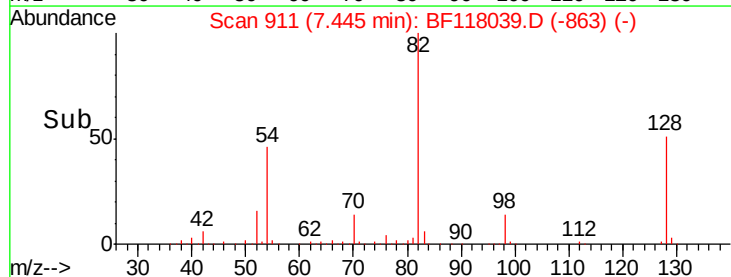
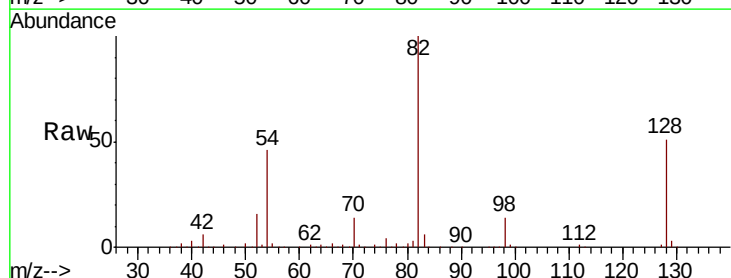
Instrument :
BNA_F
ClientSampled :

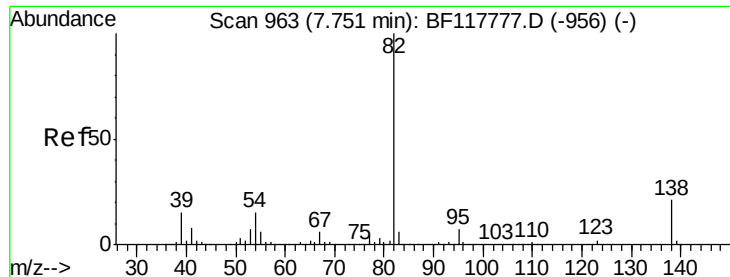
Tot Ion:136	Resp:	537672
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.0 13.4
54	6.0	5.4 8.2
68	4.8	4.3 6.5



#23
Nitrobenzene-d5
Concen: 64.919 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion: 82	Resp:	587179
Ion	Ratio	Lower Upper
82	100	
128	51.0	38.9 58.3
54	45.8	39.8 59.6





#25

Isophorone

Concen: 35.419 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

ClientSampleId :

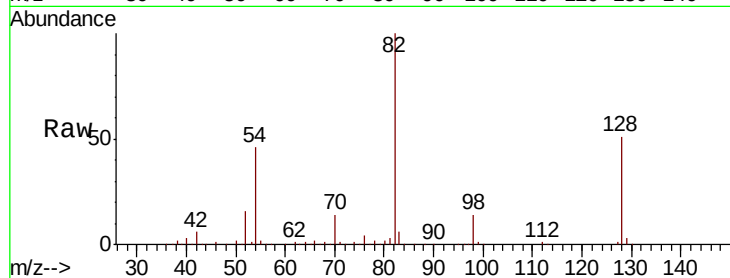
Tot Ion: 82 Resp: 587171

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

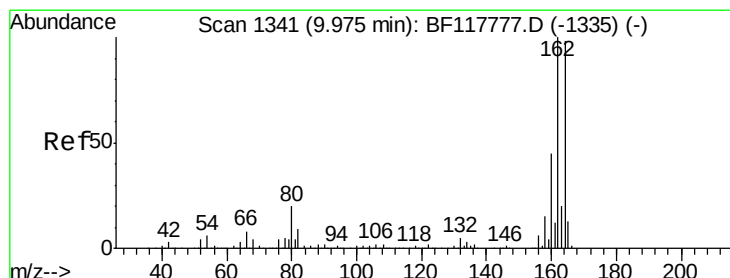
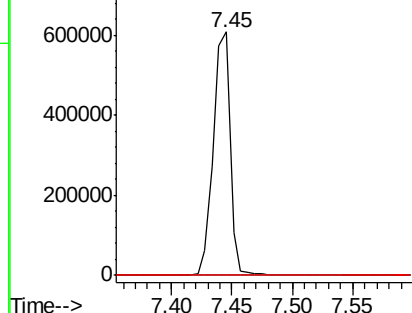
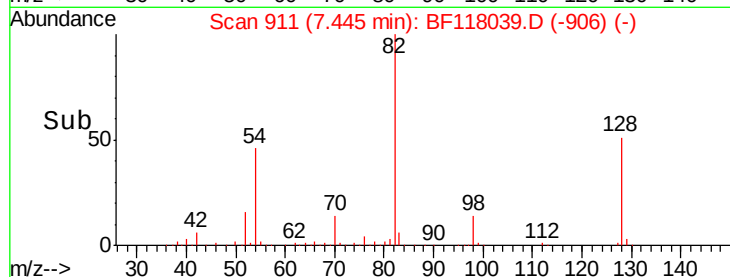
138 0.0 16.5 24.7#



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: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

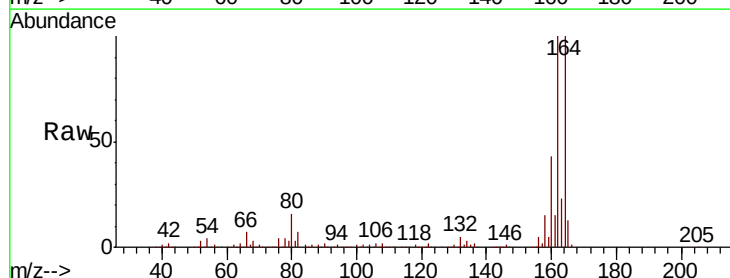
Tgt Ion: 164 Resp: 275750

Ion Ratio Lower Upper

164 100

162 100.1 81.3 121.9

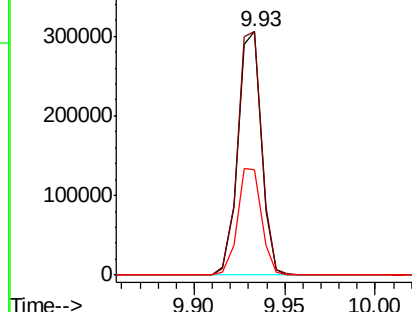
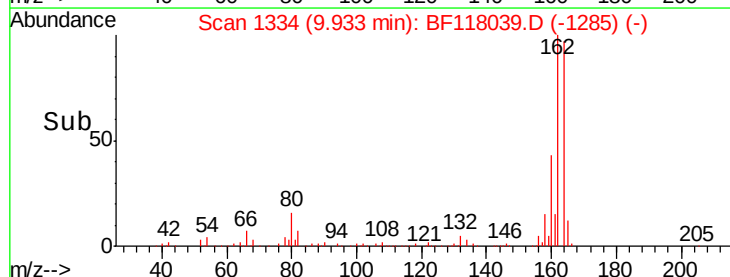
160 43.4 36.6 55.0

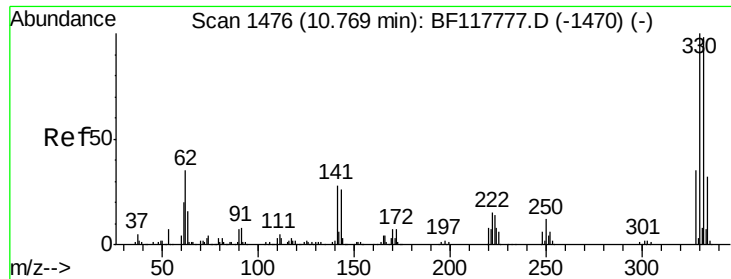


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 91.789 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

ClientSampled :

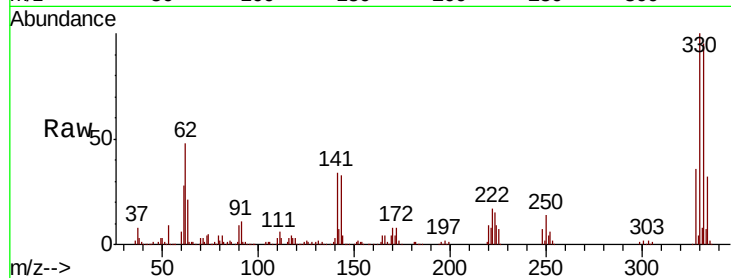
Tot Ion:330 Resp: 267963

Ion Ratio Lower Upper

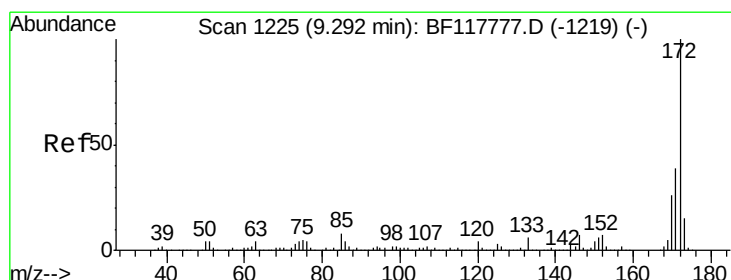
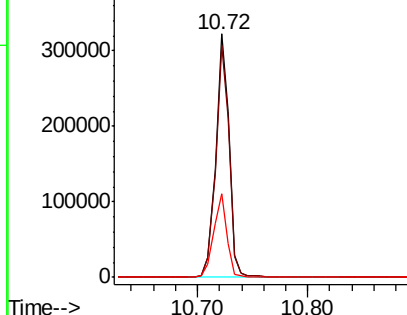
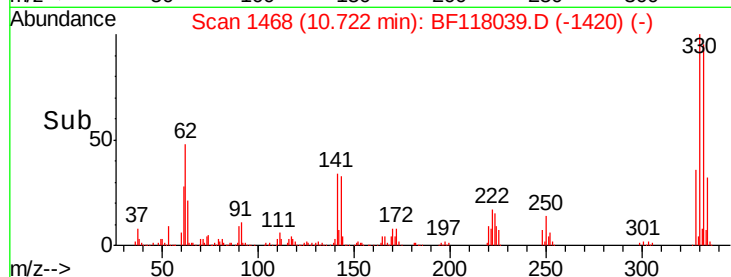
330 100

332 95.8 76.7 115.1

141 34.2 27.7 41.5



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: 73.131 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

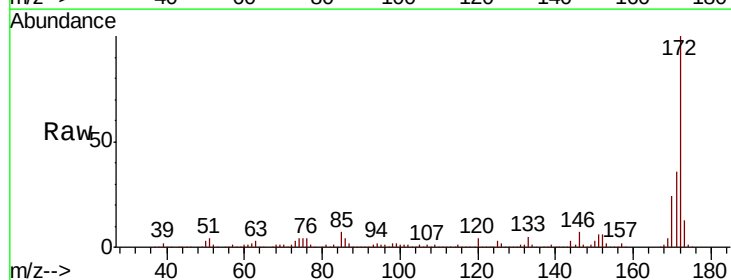
Tgt Ion:172 Resp: 1124057

Ion Ratio Lower Upper

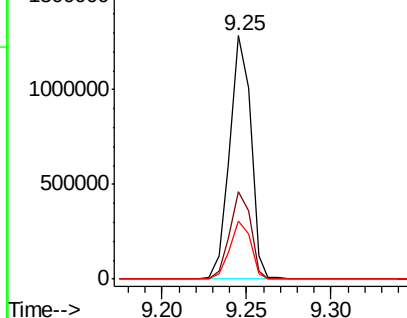
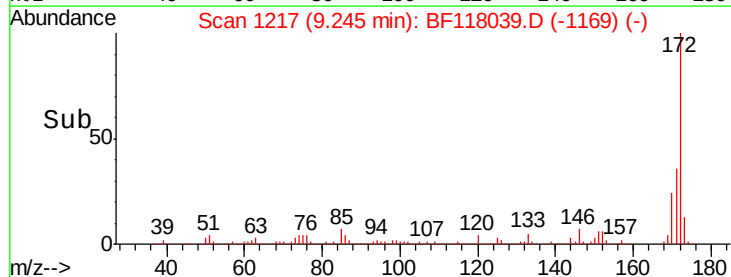
172 100

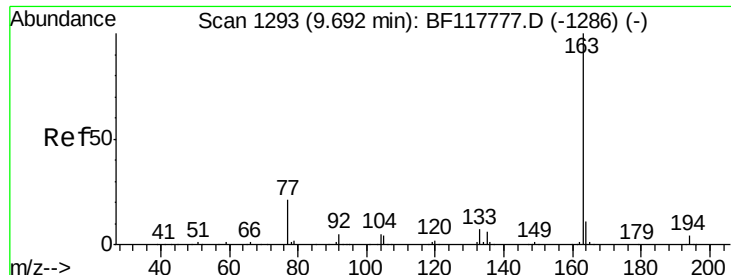
171 35.8 30.9 46.3

170 23.7 21.0 31.4



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

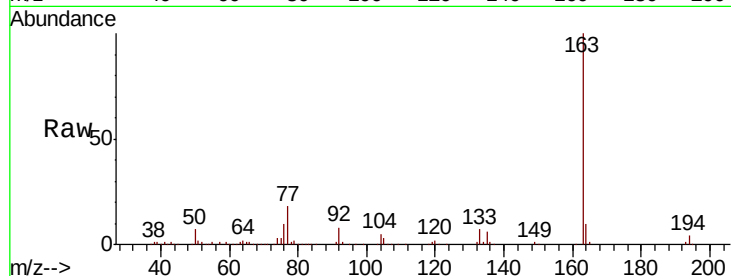




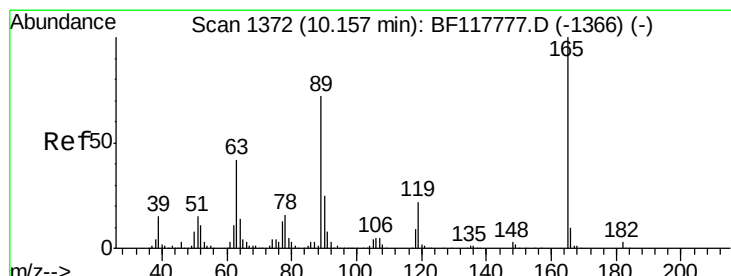
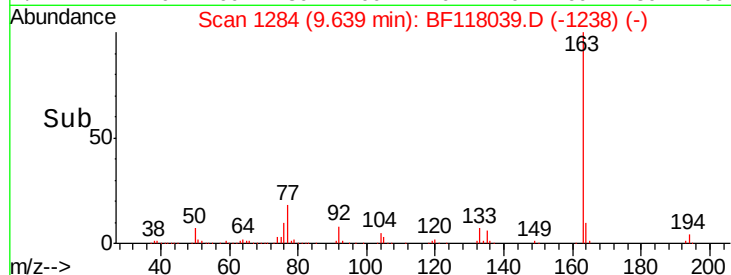
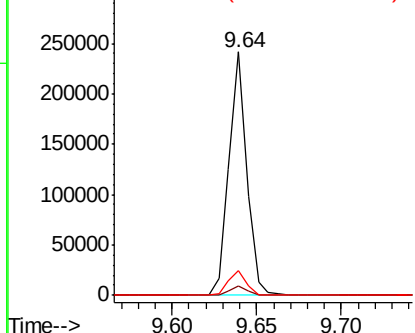
#50
Dimethylphthalate
Concen: 9.183 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.4	8.7	13.1



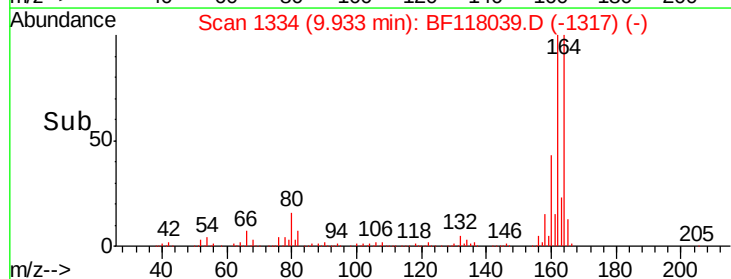
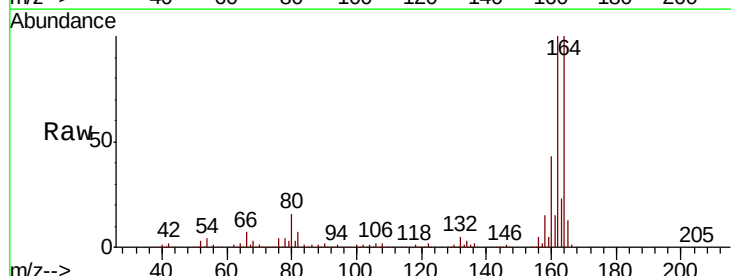
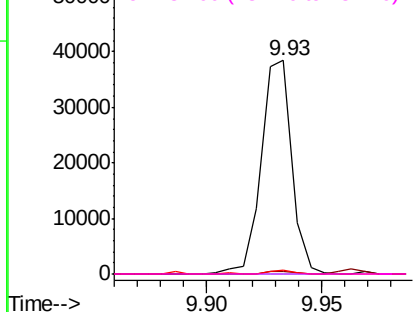
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

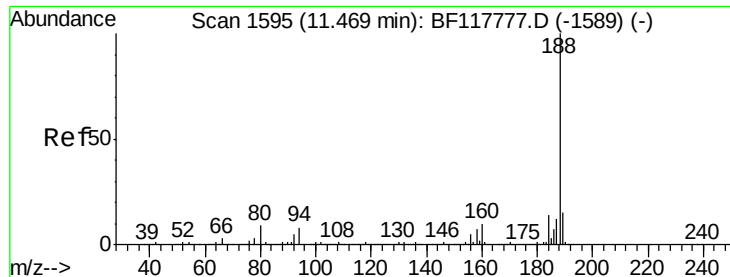


#57
2,4-Dinitrotoluene
Concen: 6.623 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.20 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.7	50.5#
89	2.1	57.3	85.9#
182	0.0	2.3	3.5#

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

ClientSampleId :

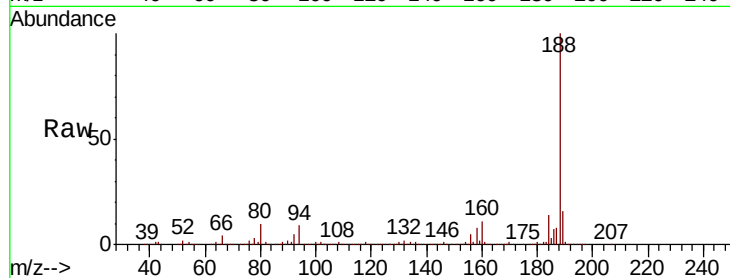
Tot Ion:188 Resp: 485117

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

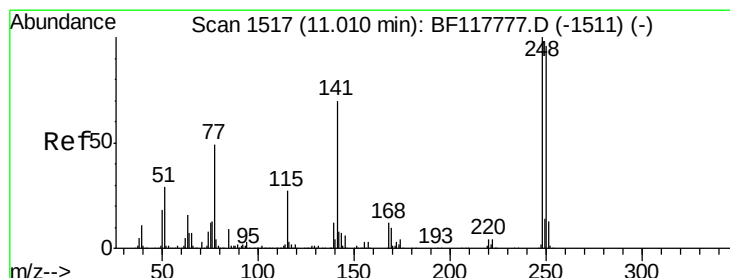
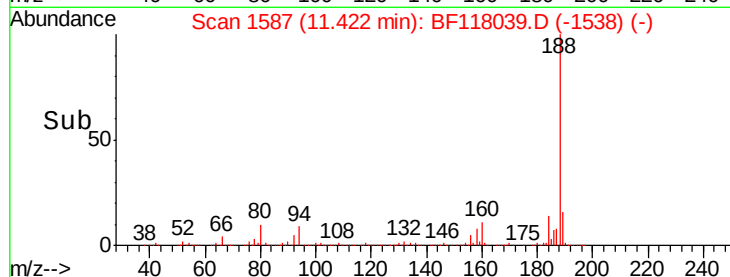
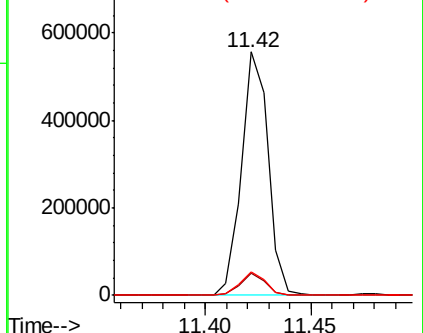
80 9.7 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.219 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.25 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

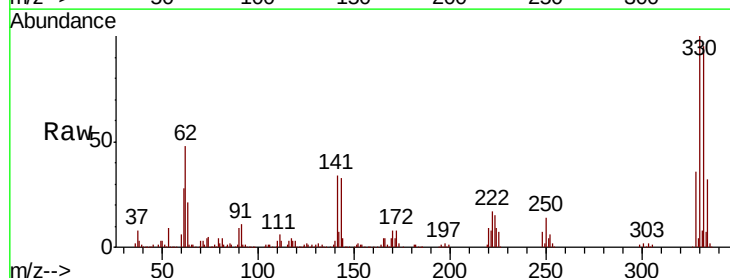
Tgt Ion:248 Resp: 16849

Ion Ratio Lower Upper

248 100

250 206.7 76.6 115.0#

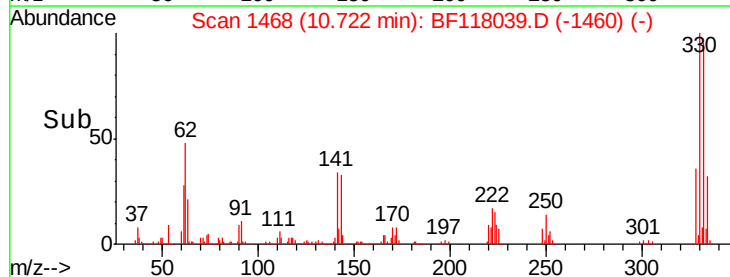
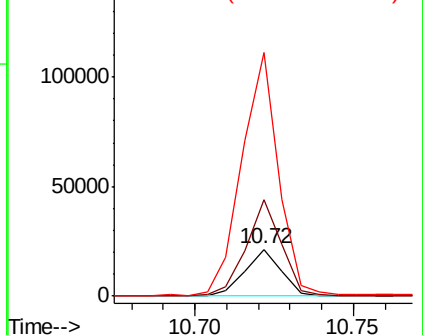
141 519.2 55.9 83.9#

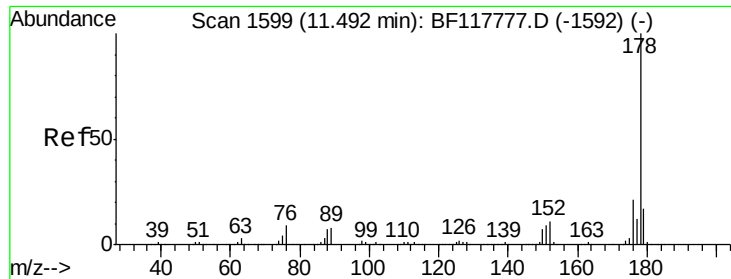


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

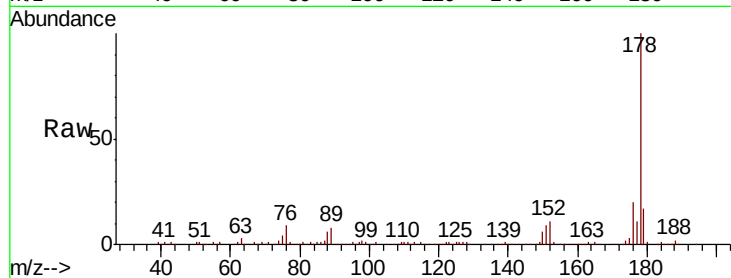




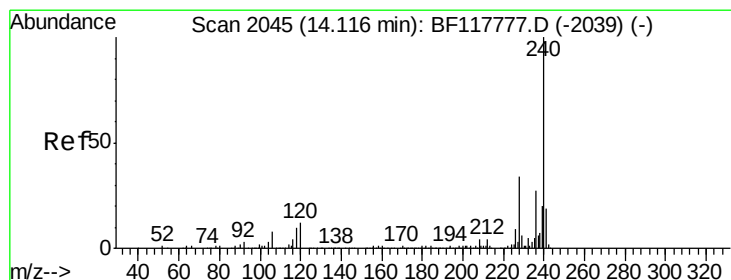
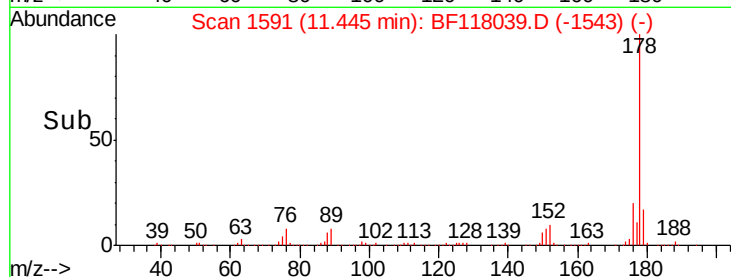
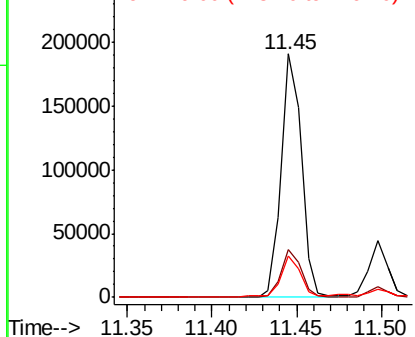
#71
Phenanthrene
Concen: 6.482 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 158102
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 16.8 13.2 19.8

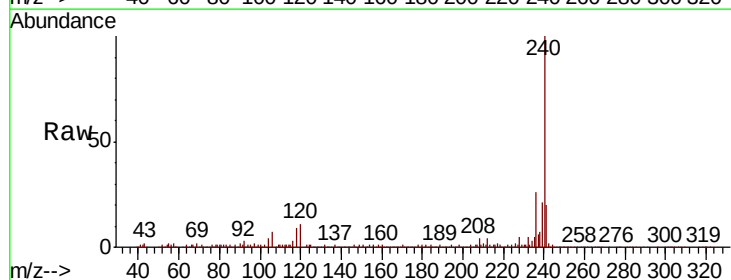


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

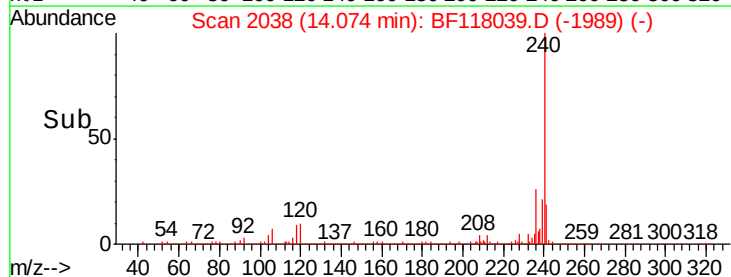
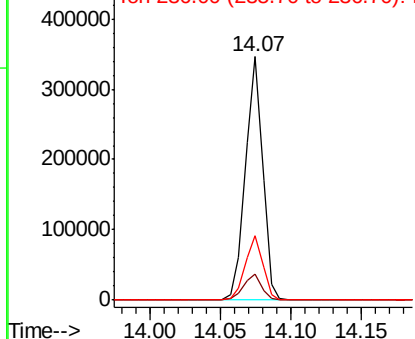


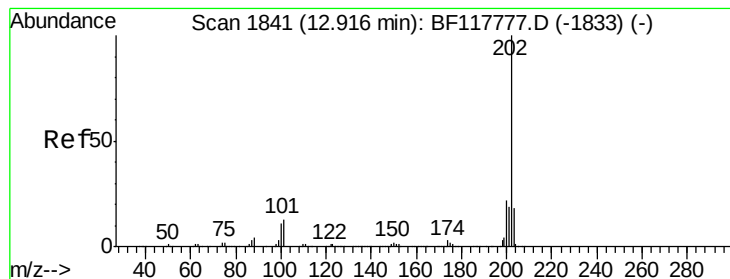
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion:240 Resp: 297034
Ion Ratio Lower Upper
240 100
120 10.6 9.5 14.3
236 26.5 21.3 31.9



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: 8.928 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

ClientSampleId :

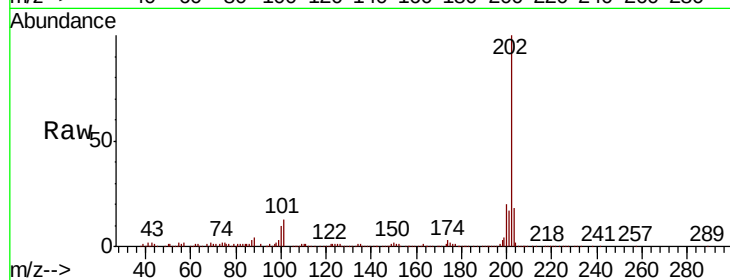
Tot Ion:202 Resp: 214313

Ion Ratio Lower Upper

202 100

200 20.5 17.8 26.8

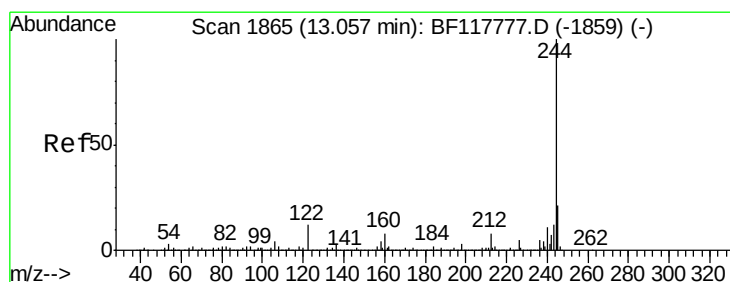
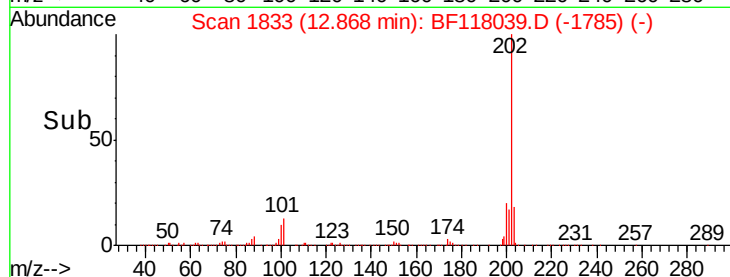
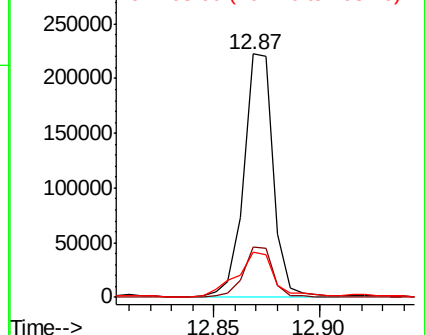
203 18.4 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 66.649 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

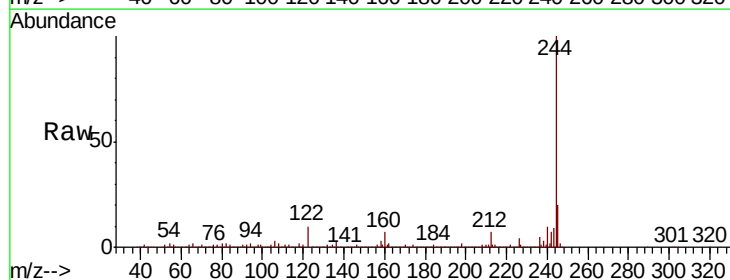
Tgt Ion:244 Resp: 1083215

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

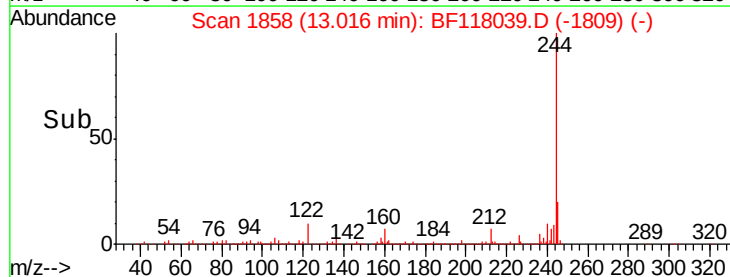
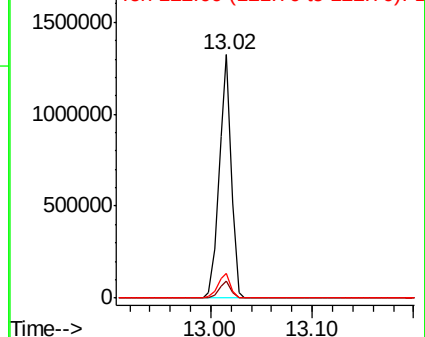
122 10.0 9.4 14.2

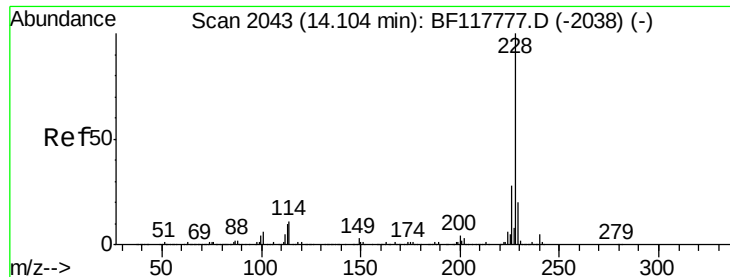


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.911 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118039.D

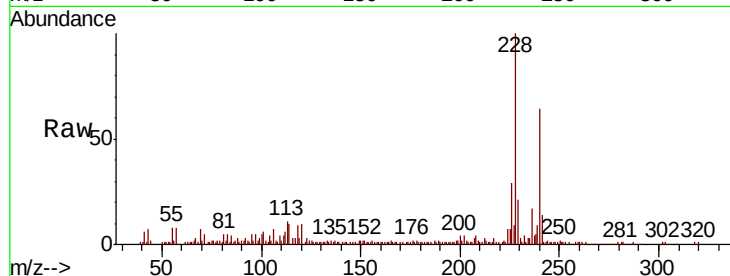
Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

ClientSampleId :

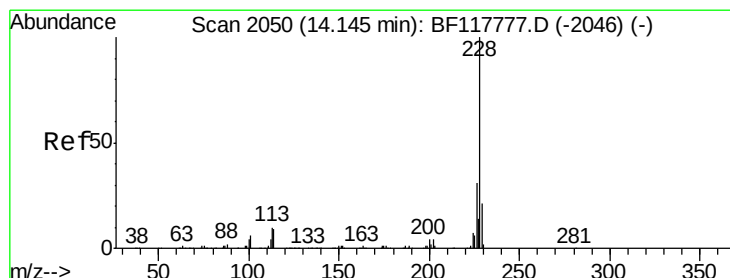
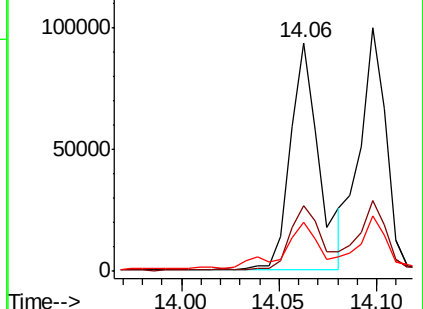
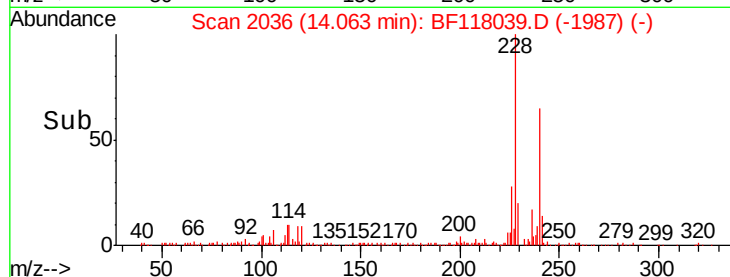
Tot Ion:228	Resp:	96391
Ion	Ratio	Lower Upper
228	100	
226	28.9	22.2 33.2
229	21.3	15.9 23.9



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: 4.870 ng

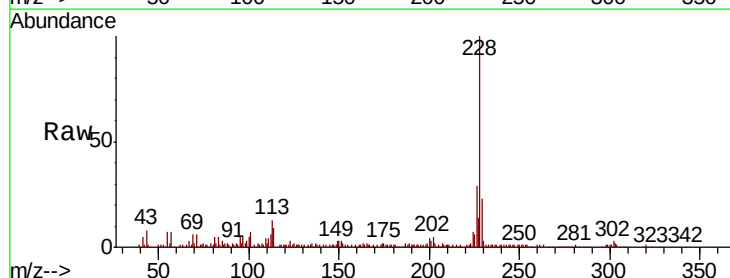
RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

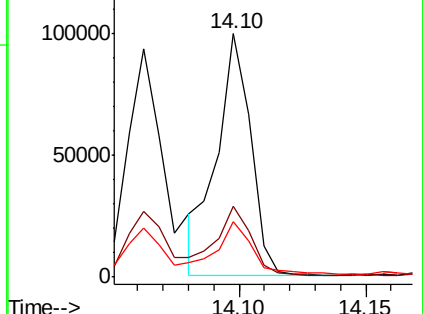
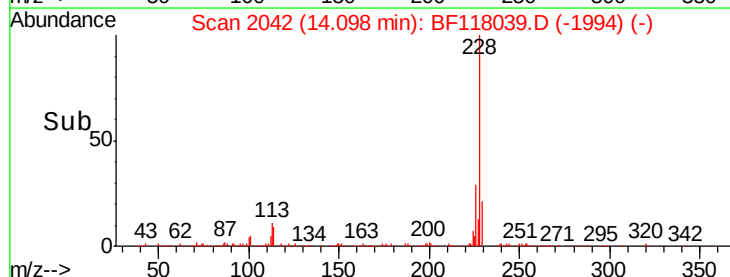
Tgt Ion:228	Resp:	92618
Ion	Ratio	Lower Upper
228	100	
226	29.2	25.0 37.4
229	22.7	16.6 25.0

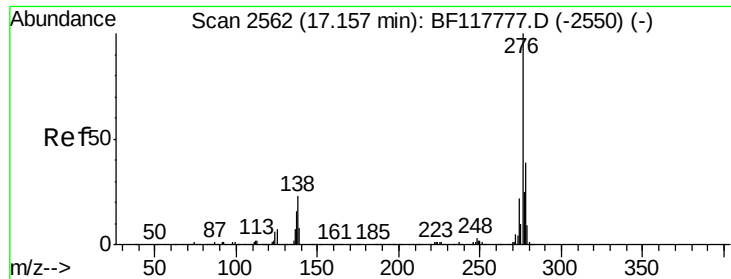


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

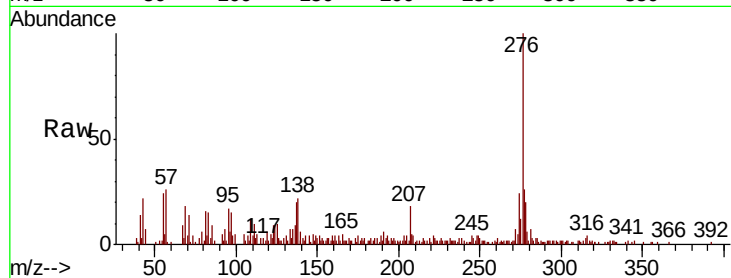




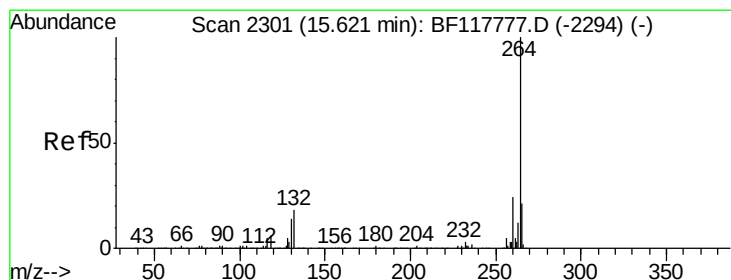
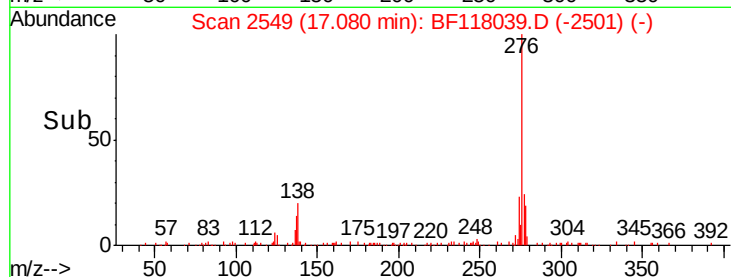
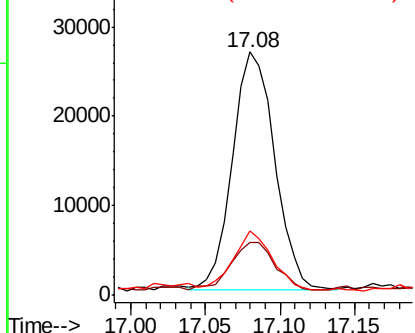
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.234 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.02 min
 Lab File: BF118039.D
 Acq: 27 Nov 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.9	31.3
277	22.6	20.3	30.5

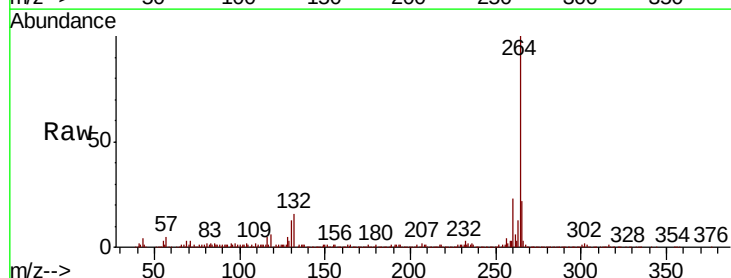


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

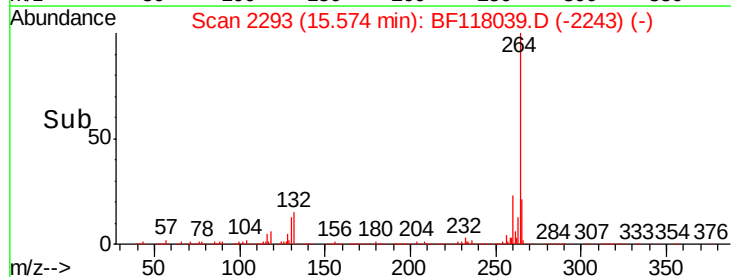
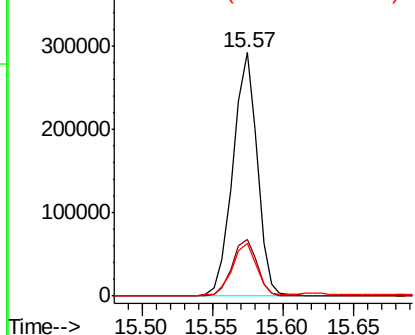


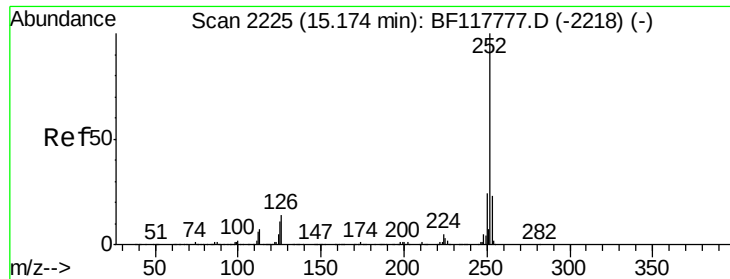
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: BF118039.D
 Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.7	17.1	25.7



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

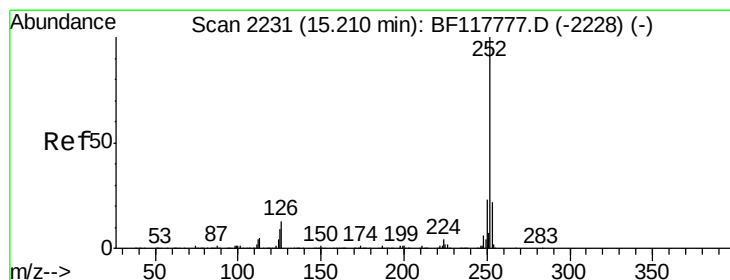
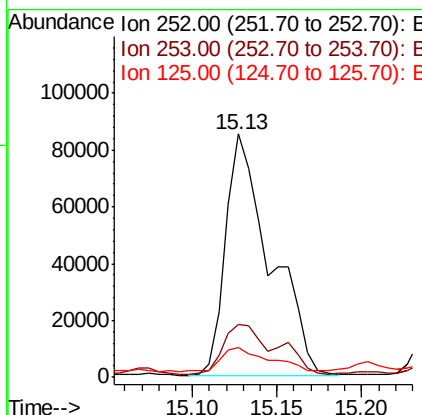
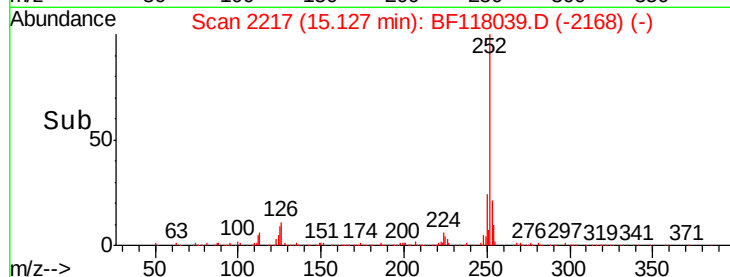
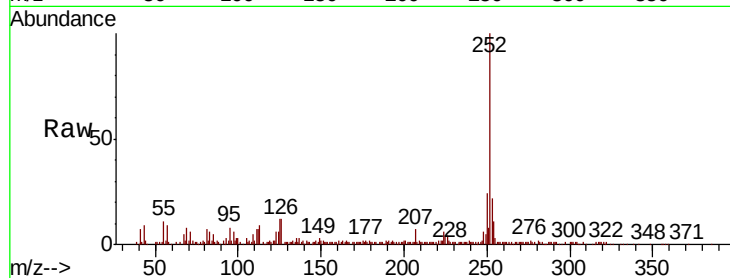




#88
Benzo(b)fluoranthene
Concen: 6.911 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

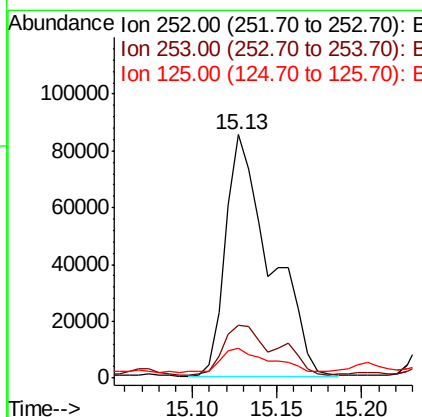
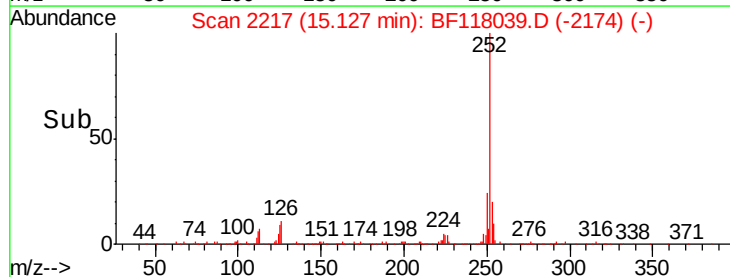
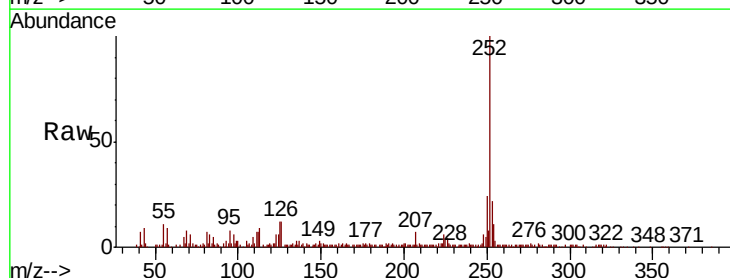
Instrument :
BNA_F
ClientSampleId :

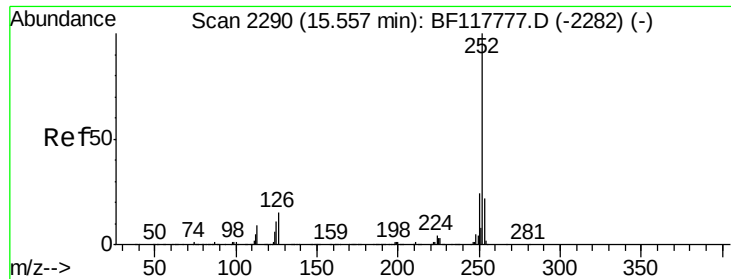
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	12.5	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 7.335 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.05 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.5	7.9	11.9

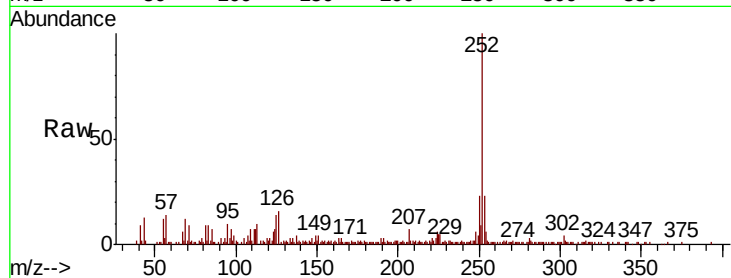




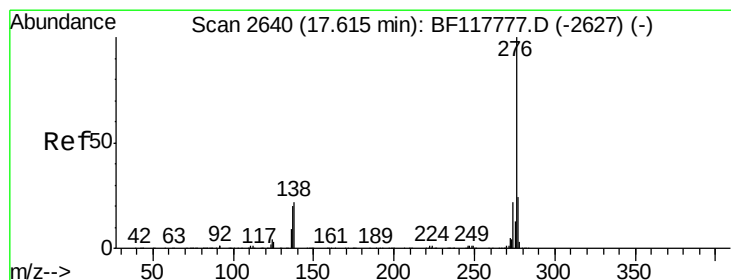
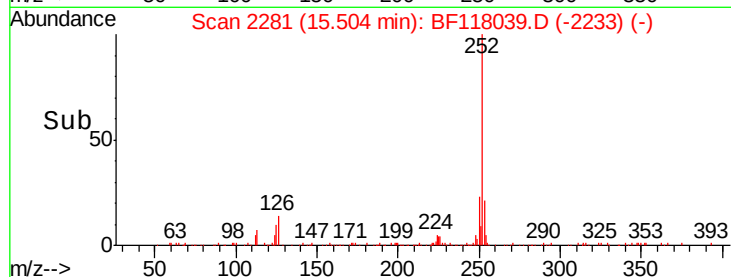
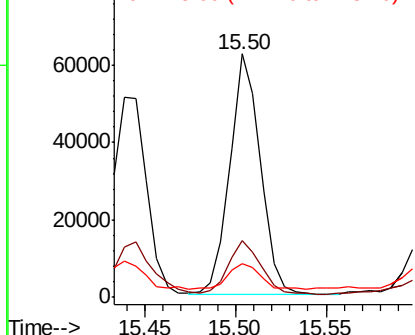
#90
Benzo(a)pyrene
Concen: 3.669 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73313
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 14.0 9.2 13.8#

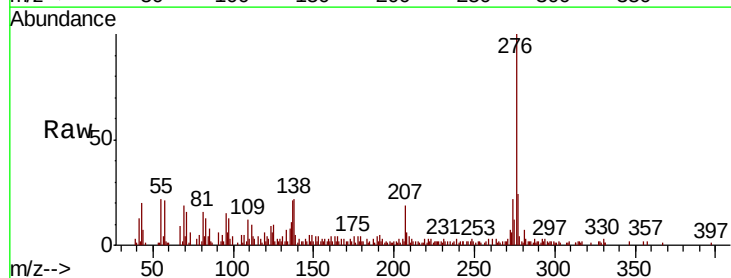


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.973 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion:276 Resp: 50919
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 21.6 17.4 26.2



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

