

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118042.D
 Acq On : 27 Nov 2019 15:53
 Operator : JU
 Sample : K6021-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 16:22:13 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	136095	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	543988	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	290947	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	513424	20.00	ng	0.00
76) Chrysene-d12	14.07	240	299243	20.00	ng	-0.01
87) Perylene-d12	15.57	264	343838	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	736861	95.84	ng	0.00
7) Phenol-d6	6.51	99	976979	105.35	ng	-0.01
23) Nitrobenzene-d5	7.45	82	598538	65.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	274510	89.12	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1163326	71.73	ng	-0.01
79) Terphenyl-d14	13.02	244	1177648	71.92	ng	-0.01

Target Compounds

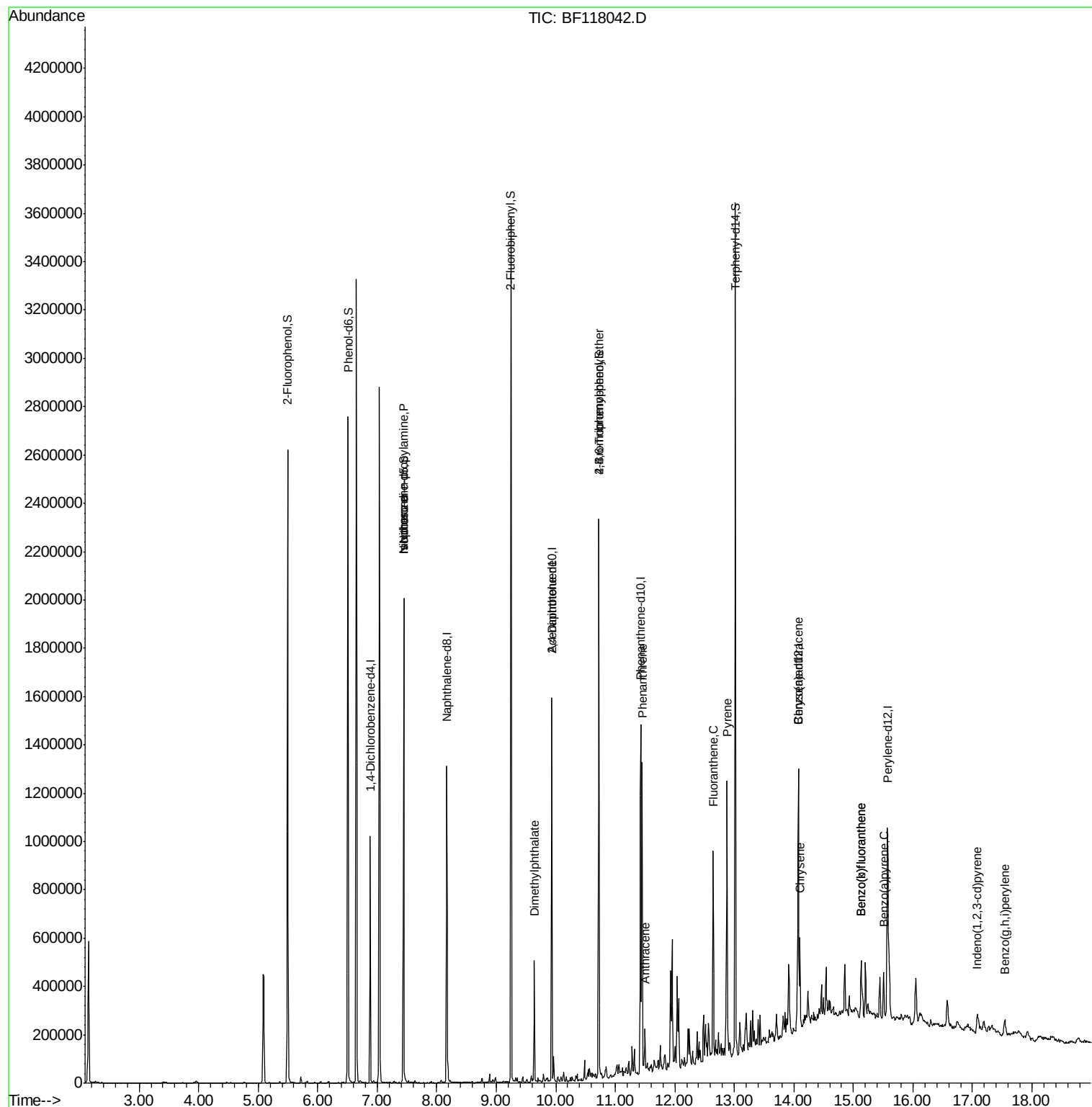
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	19327	Below Cal		81
19) n-Nitroso-di-n-propylamine	7.45	70	81119	14.179	ng	# 74
25) Isophorone	7.45	82	598529	35.685	ng	# 62
50) Dimethylphthalate	9.64	163	177342	8.692	ng	98
57) 2,4-Dinitrotoluene	9.93	165	37691	6.645	ng	# 25
67) 4-Bromophenyl-phenylether	10.72	248	17412	3.143	ng	# 1
71) Phenanthrene	11.45	178	457352	17.718	ng	97
72) Anthracene	11.50	178	60802	2.376	ng	98
75) Fluoranthene	12.64	202	306007	6.596	ng	98
78) Pyrene	12.87	202	429339	17.753	ng	98
81) Benzo(a)anthracene	14.07	228	149223	7.546	ng	98
83) Chrysene	14.10	228	157101	8.199	ng	97
86) Indeno(1,2,3-cd)pyrene	17.08	276	52649	3.228	ng	94
88) Benzo(b)fluoranthene	15.13	252	169625	7.593	ng	98
89) Benzo(k)fluoranthene	15.13	252	169625	8.059	ng	96
90) Benzo(a)pyrene	15.51	252	97572	4.967	ng	96
92) Benzo(a,h,i)perylene	17.54	276	55304	3.284	ng	96

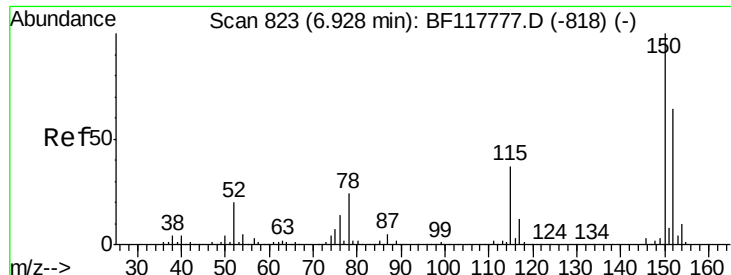
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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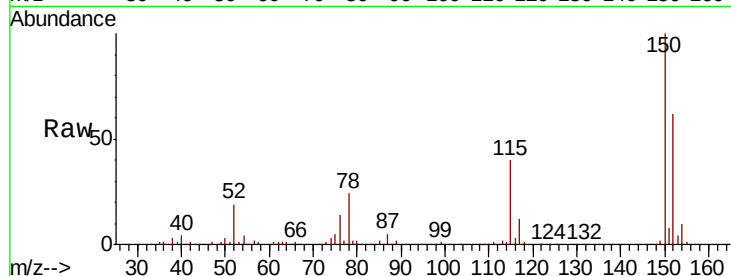


#1

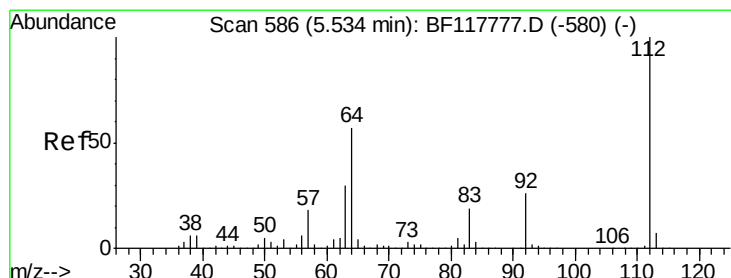
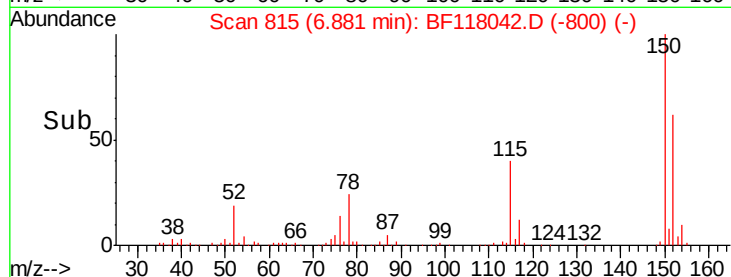
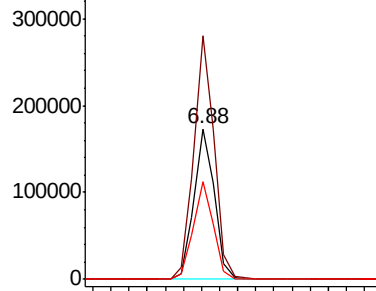
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	125.3	187.9
115	64.7	47.0	70.4



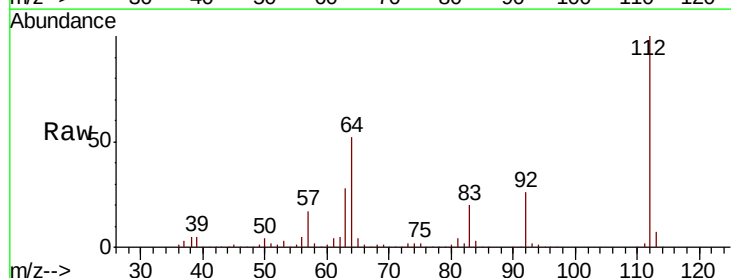
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



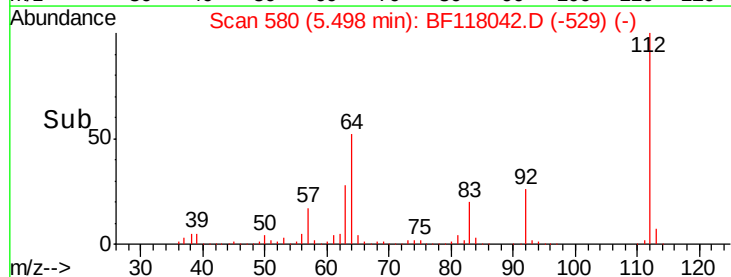
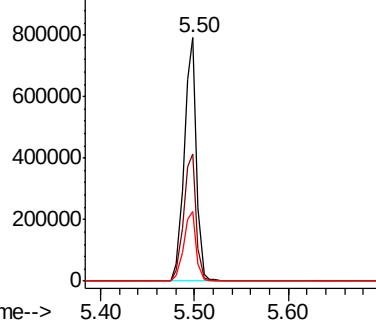
#5

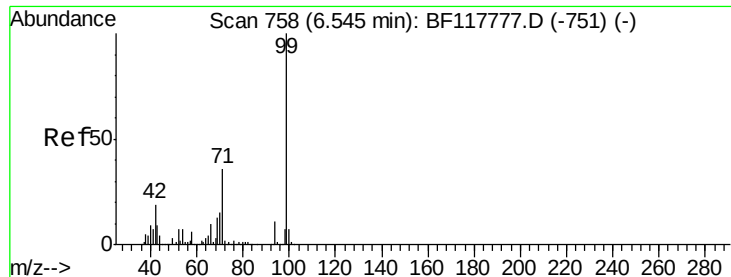
2-Fluorophenol
Concen: 95.839 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.6	68.4
63	28.4	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: 105.351 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

ClientSampleId :

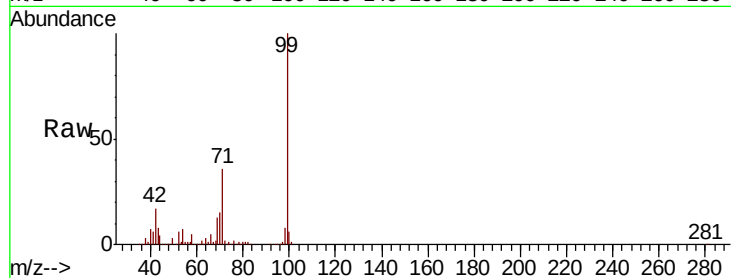
Tot Ion: 99 Resp: 976979

Ion Ratio Lower Upper

99 100

42 16.6 14.9 22.3

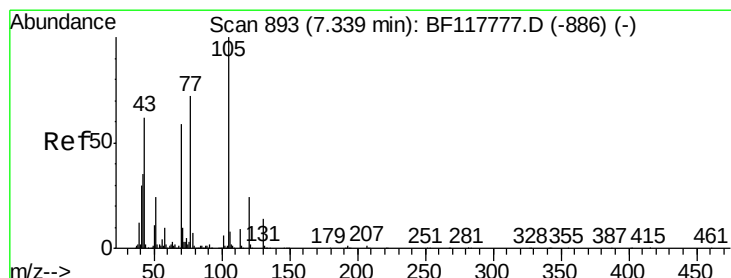
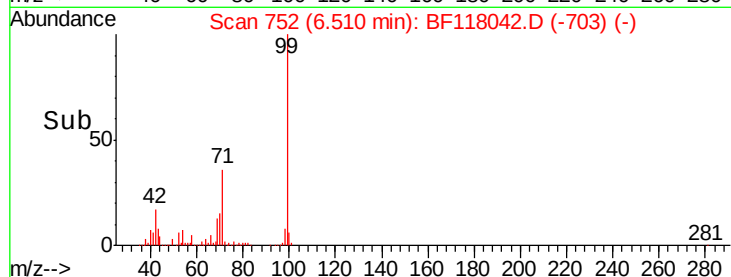
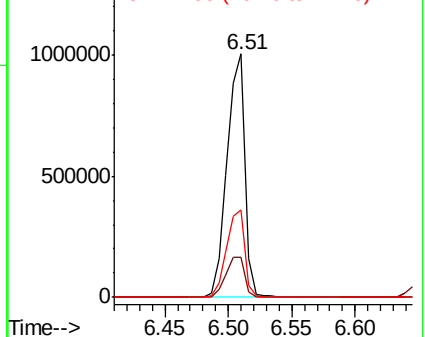
71 36.0 28.6 43.0



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: 14.179 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Tgt Ion: 70 Resp: 81119

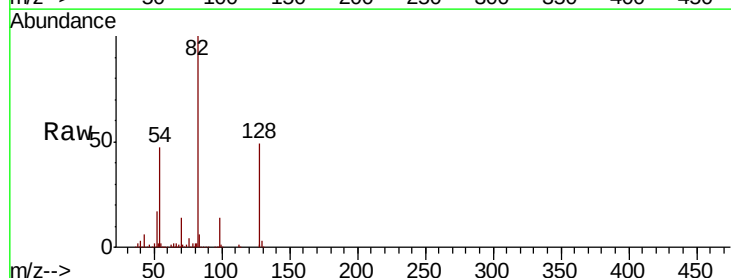
Ion Ratio Lower Upper

70 100

42 45.1 47.4 71.2#

101 0.0 8.4 12.6#

130 2.1 18.8 28.2#

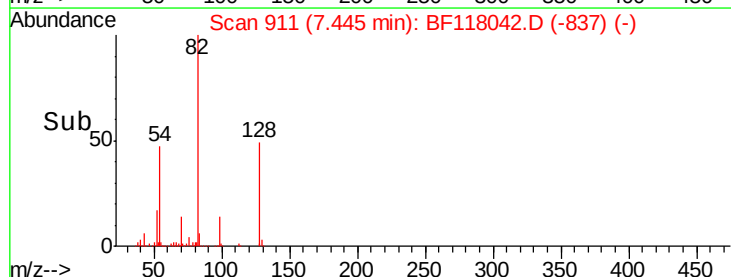
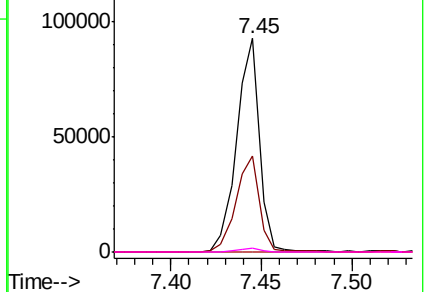


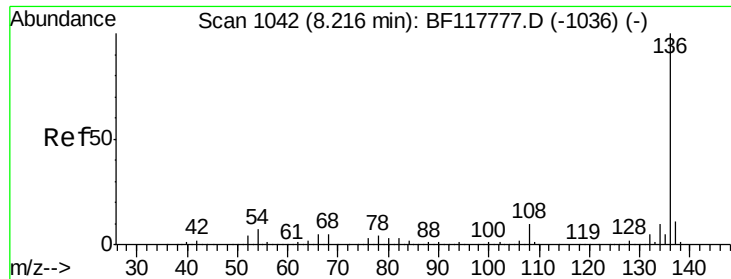
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

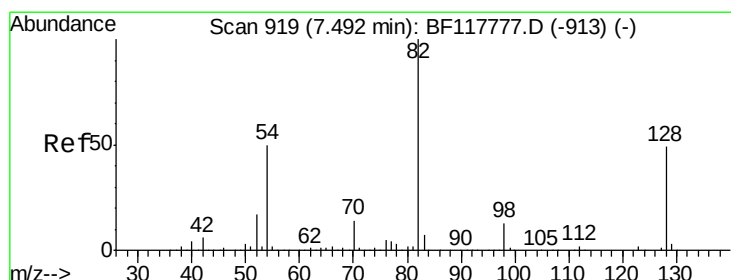
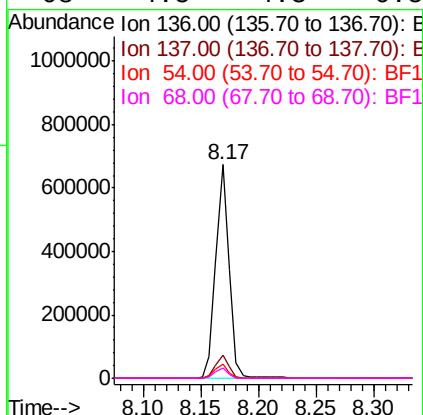
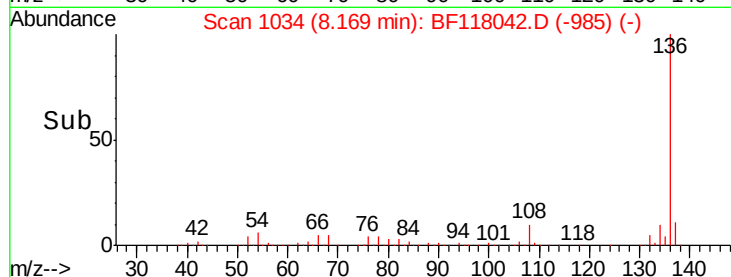
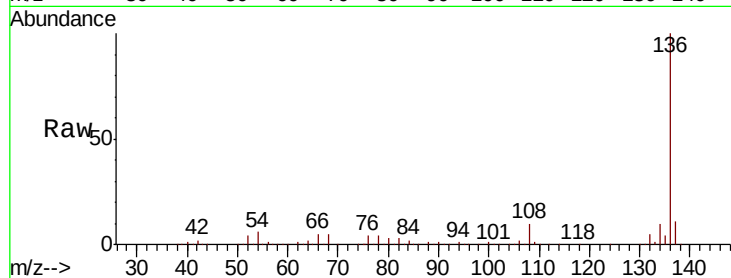




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

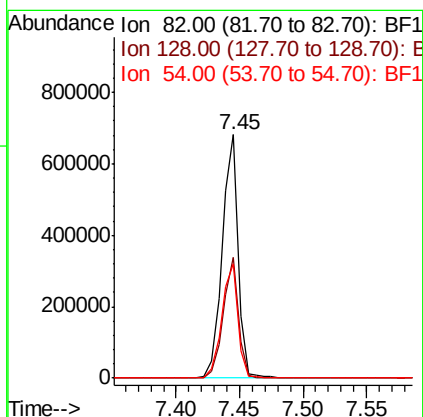
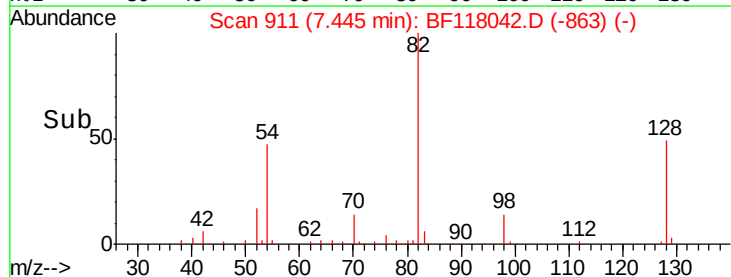
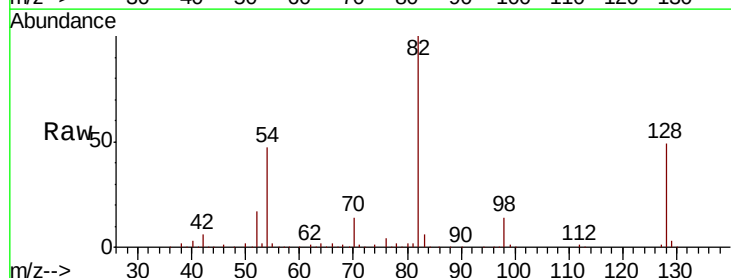
Instrument :
BNA_F
ClientSampleId :

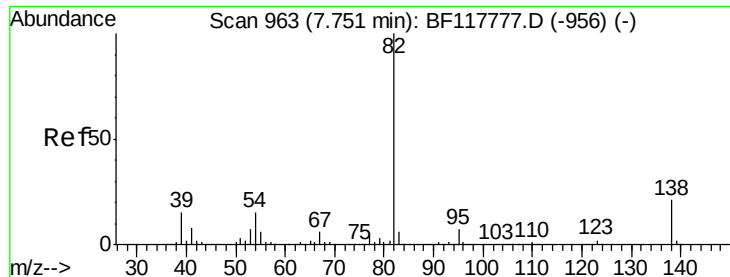
Tot Ion:136	Resp:	543988
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.4
54	6.3	5.4 8.2
68	4.5	4.3 6.5



#23
Nitrobenzene-d5
Concen: 65.407 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion: 82	Resp:	598538
Ion Ratio	Lower	Upper
82	100	
128	49.4	38.9 58.3
54	46.7	39.8 59.6





#25

Isophorone

Concen: 35.685 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

ClientSampleId :

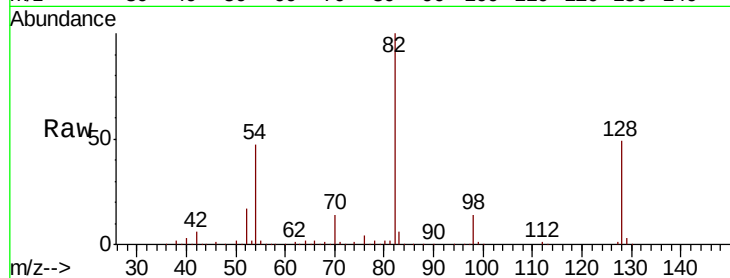
Tot Ion: 82 Resp: 598529

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

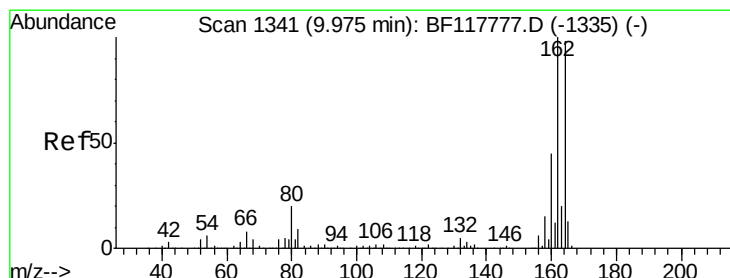
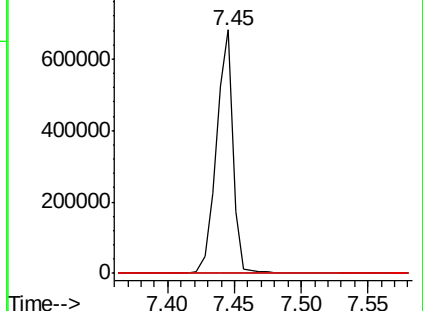
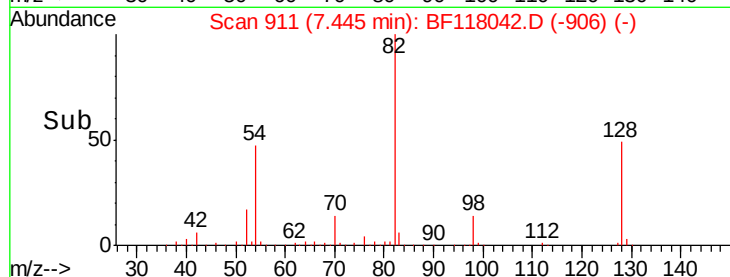
138 0.0 16.5 24.7#



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: BF118042.D

Acq: 27 Nov 2019 15:53

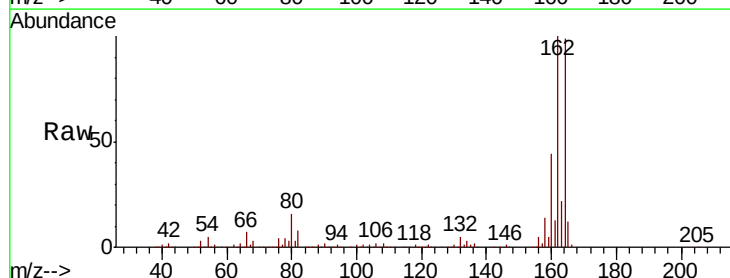
Tgt Ion: 164 Resp: 290947

Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

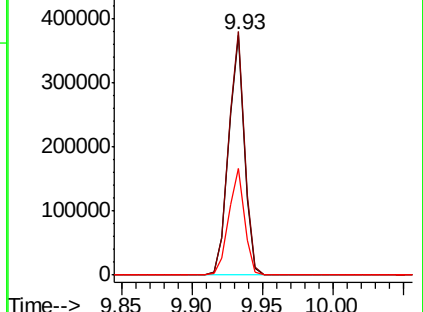
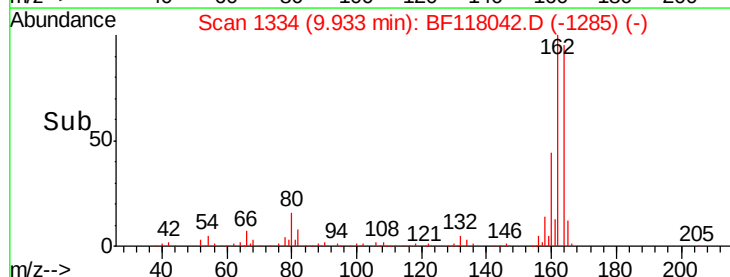
160 44.6 36.6 55.0

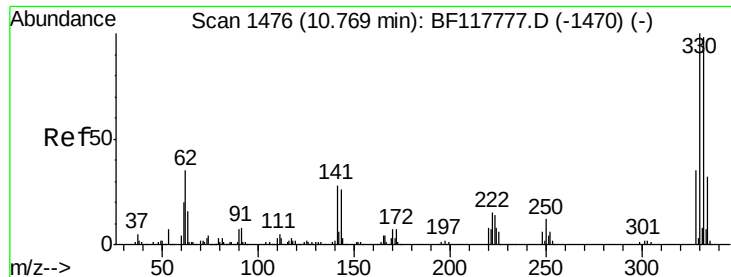


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 89.120 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

ClientSampleId :

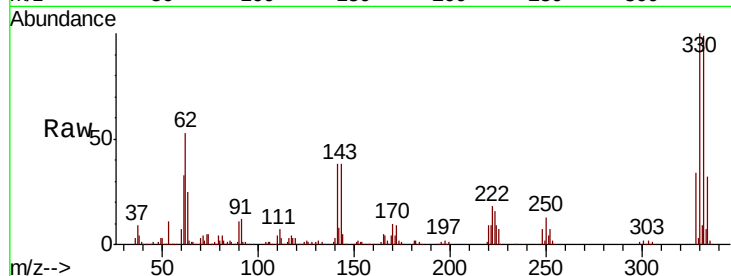
Tot Ion:330 Resp: 274510

Ion Ratio Lower Upper

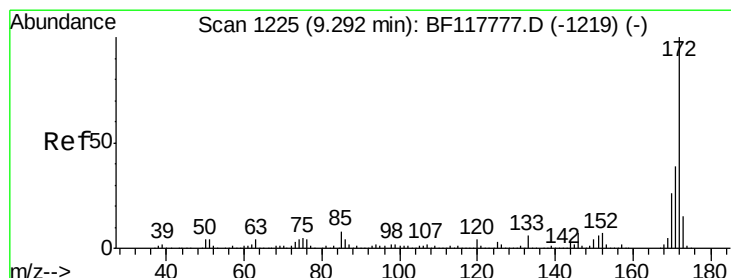
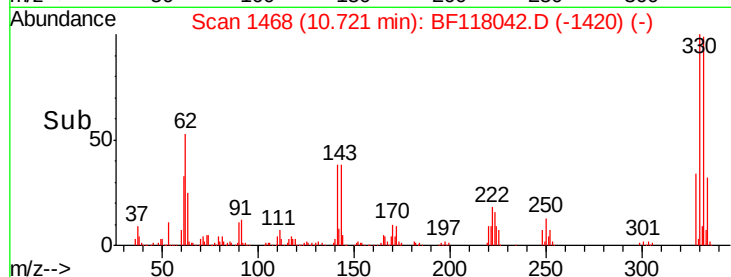
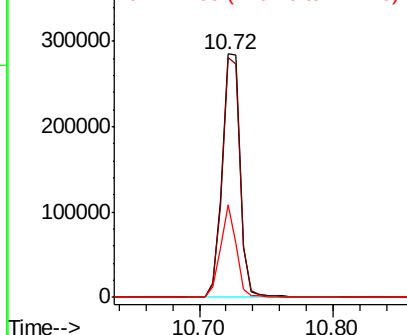
330 100

332 97.1 76.7 115.1

141 33.7 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: 71.733 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

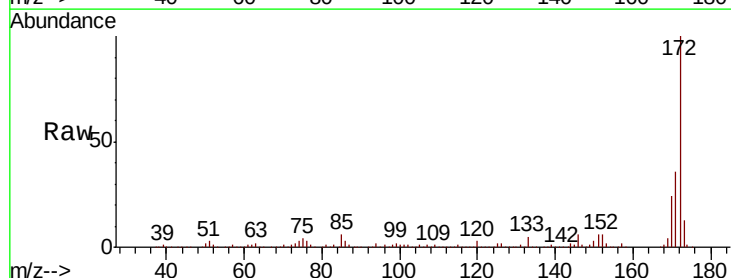
Tgt Ion:172 Resp: 1163326

Ion Ratio Lower Upper

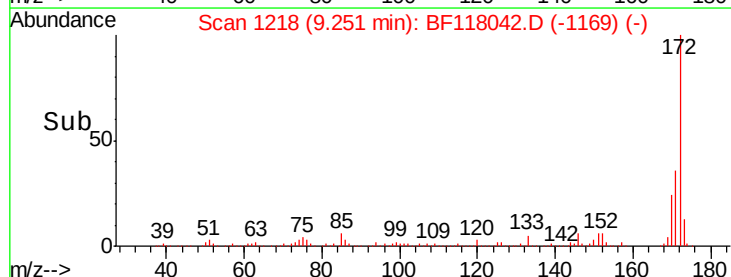
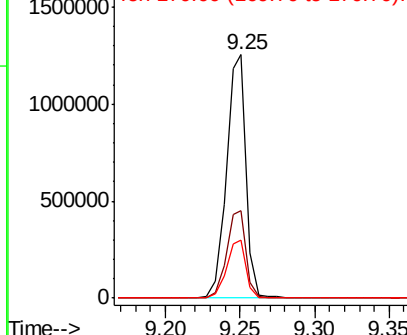
172 100

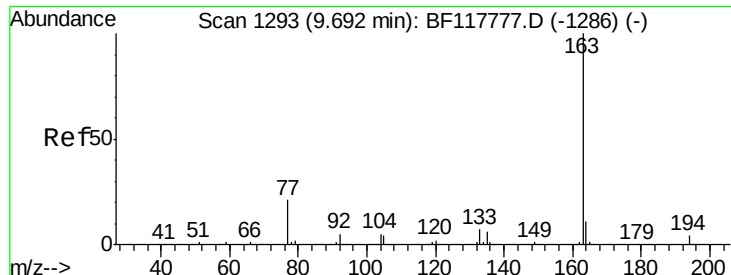
171 35.9 30.9 46.3

170 23.9 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

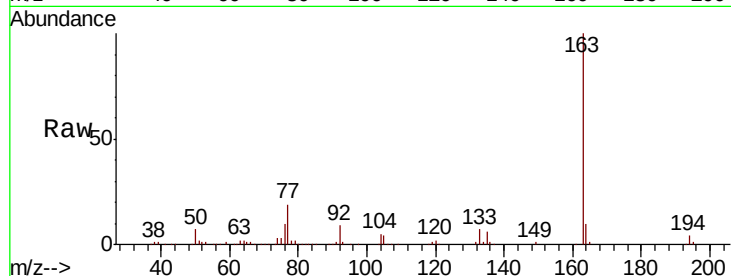




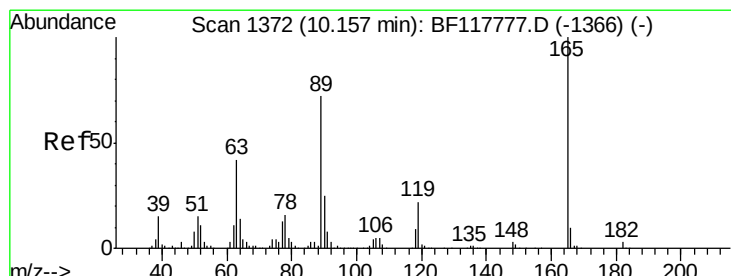
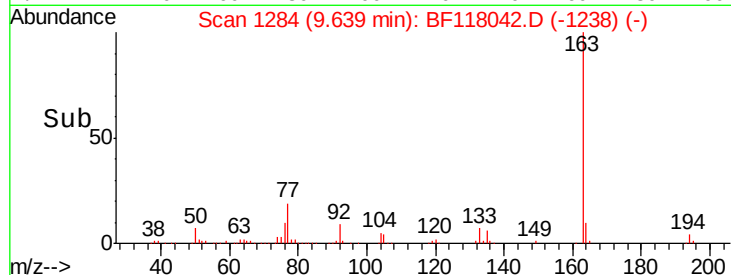
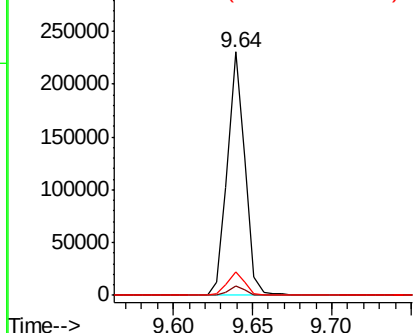
#50
Dimethylphthalate
Concen: 8.692 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 177342
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.7 8.7 13.1

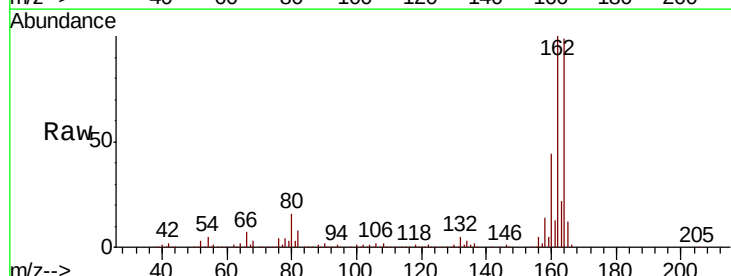


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

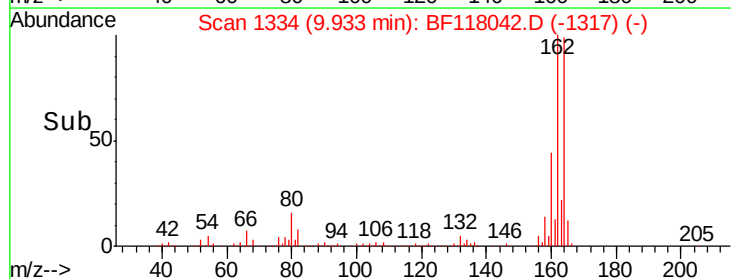
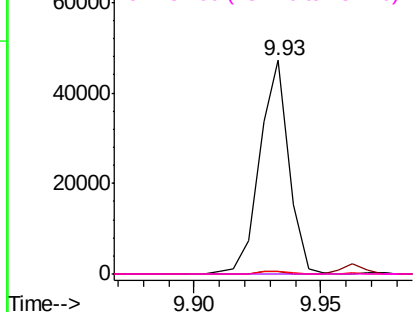


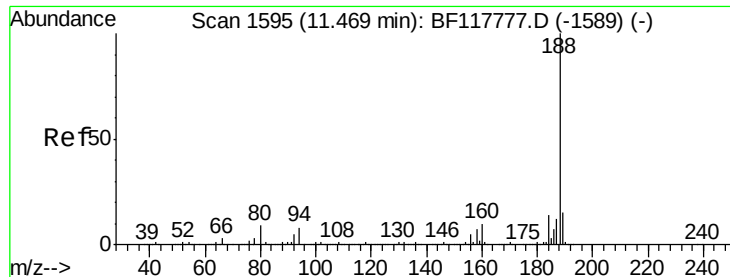
#57
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.20 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion:165 Resp: 37691
Ion Ratio Lower Upper
165 100
63 1.2 33.7 50.5#
89 1.5 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

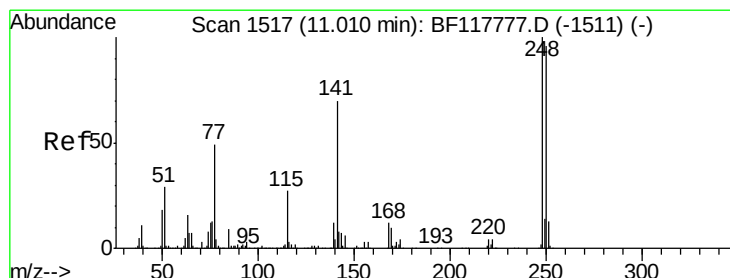
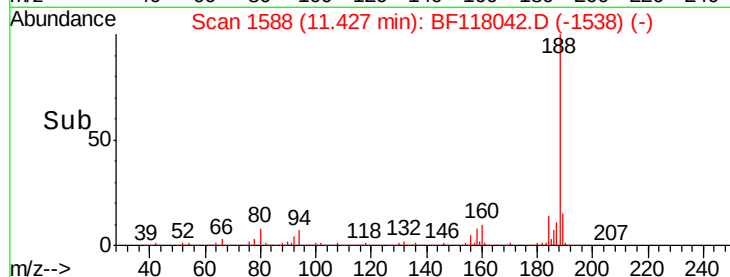
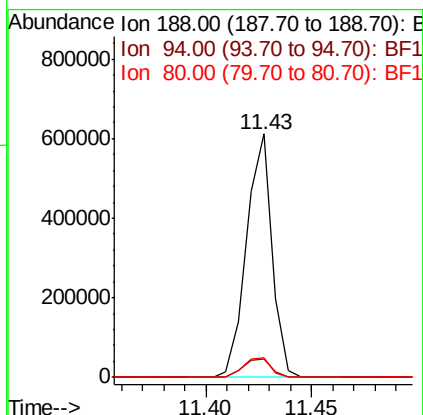
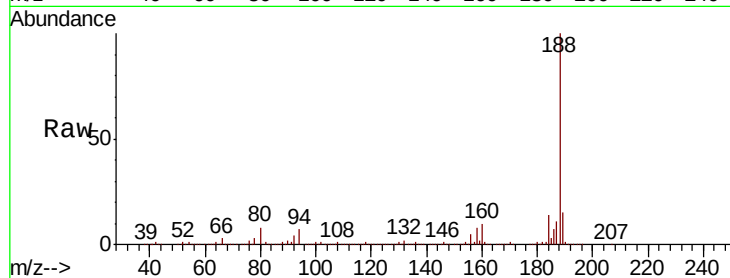




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

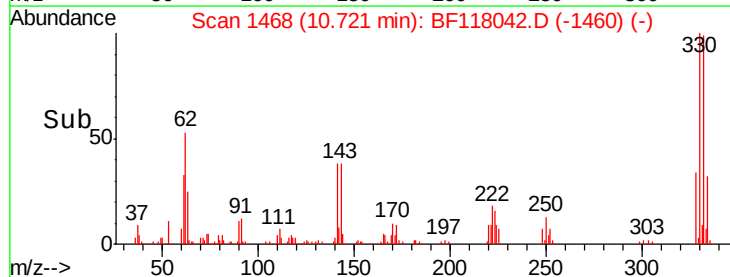
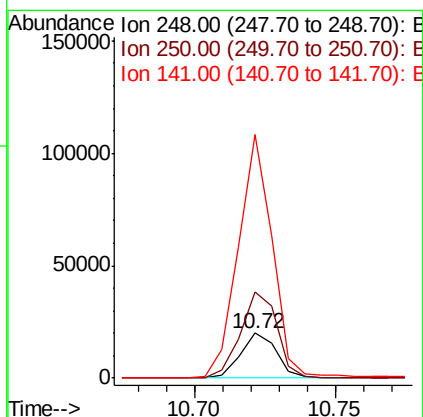
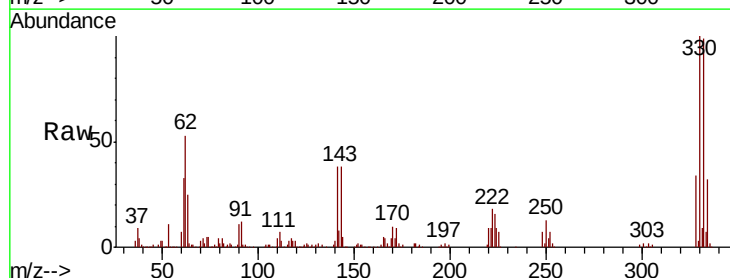
Instrument :
BNA_F
ClientSampleId :

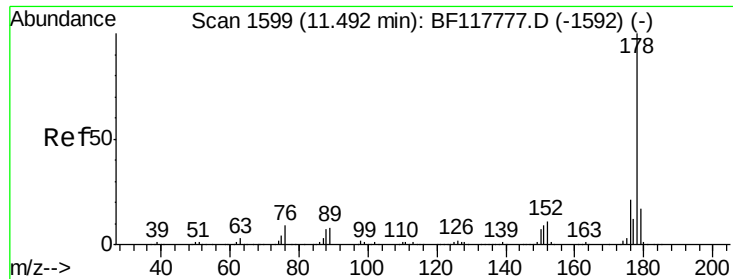
Tot Ion:188 Resp: 513424
Ion Ratio Lower Upper
188 100
94 7.5 6.6 10.0
80 8.1 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 3.143 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.25 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion:248 Resp: 17412
Ion Ratio Lower Upper
248 100
250 191.2 76.6 115.0#
141 541.8 55.9 83.9#

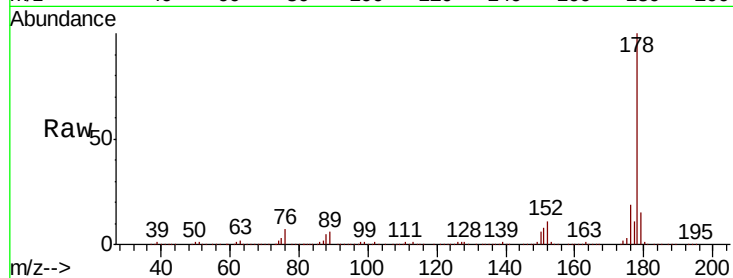




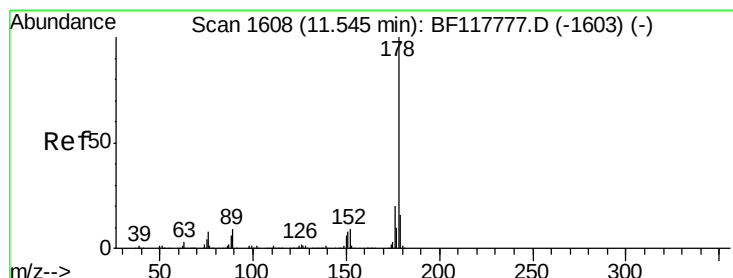
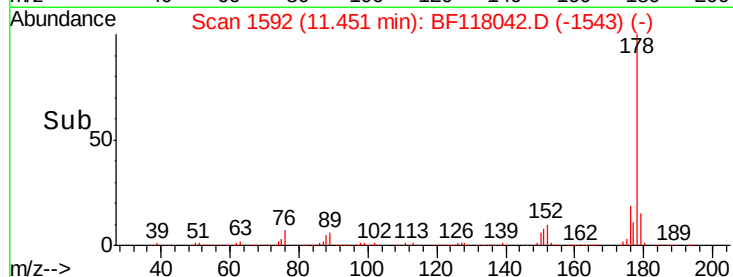
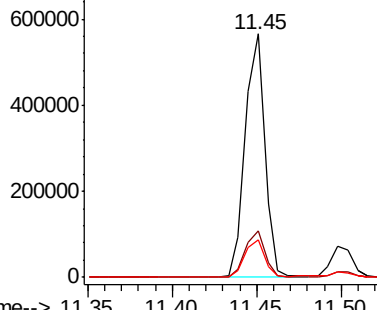
#71
Phenanthrene
Concen: 17.718 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 457352
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 15.3 13.2 19.8

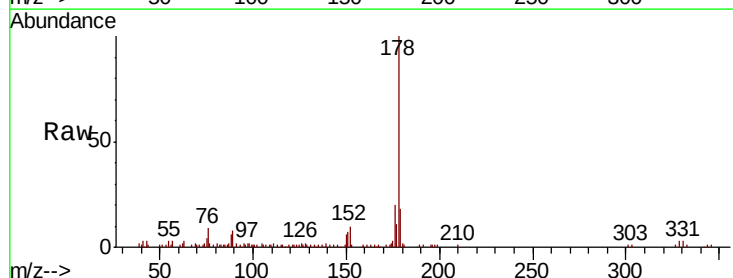


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

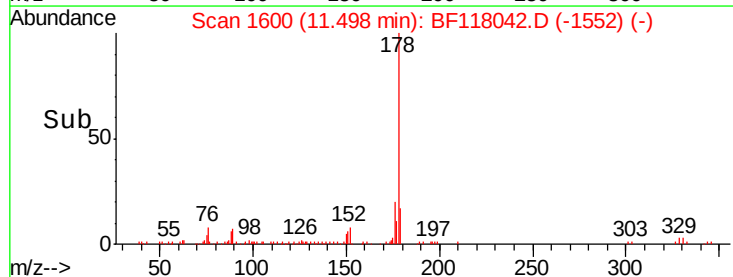
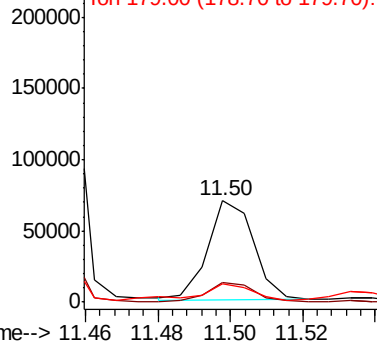


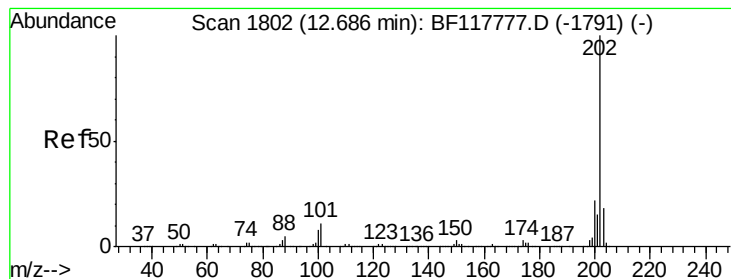
#72
Anthracene
Concen: 2.376 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion:178 Resp: 60802
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 18.0 13.0 19.4



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: 6.596 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

ClientSampled :

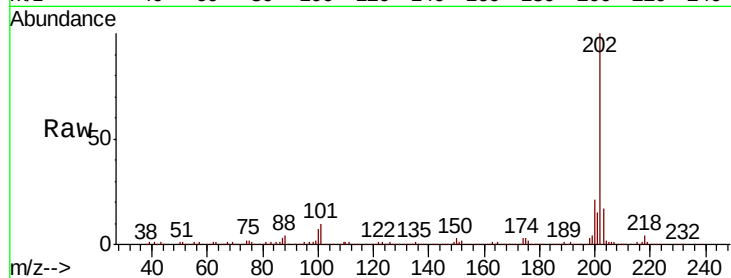
Tot Ion:202 Resp: 306007

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.1

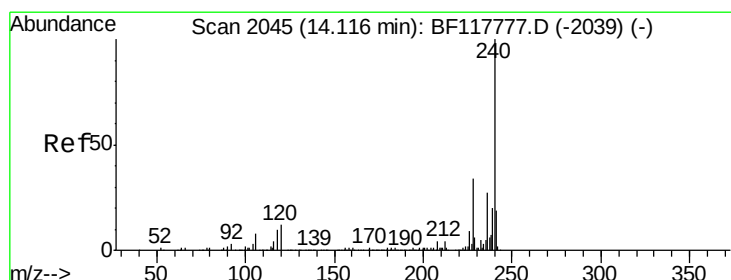
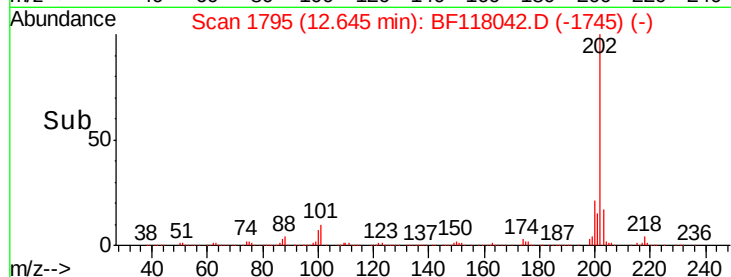
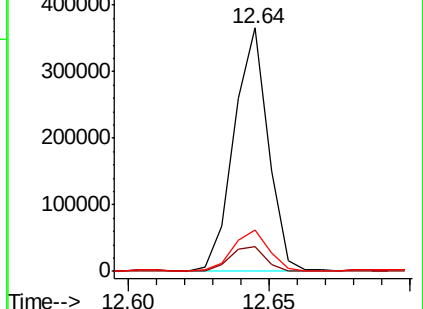
203 17.1 0.0 38.2



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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

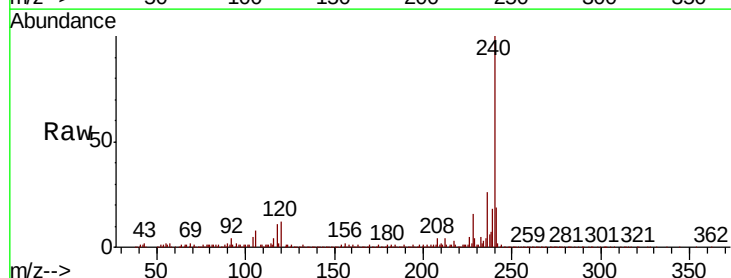
Tgt Ion:240 Resp: 299243

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

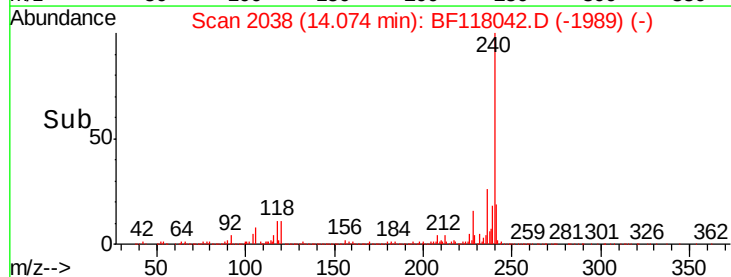
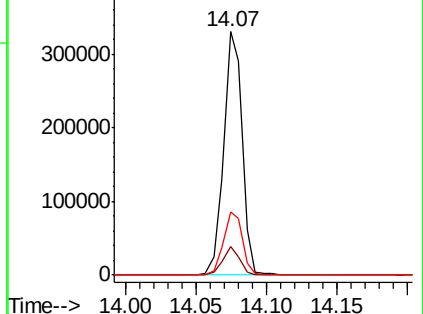
236 26.2 21.3 31.9

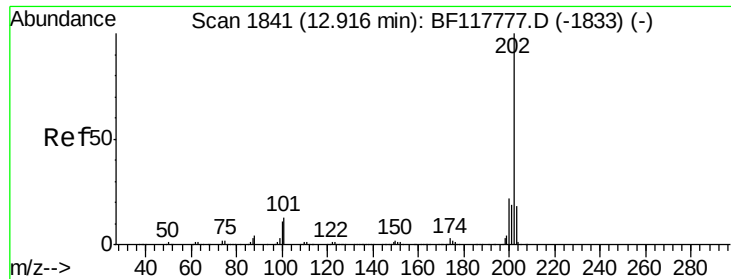


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

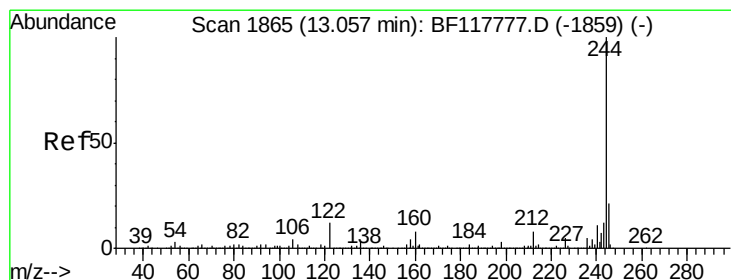
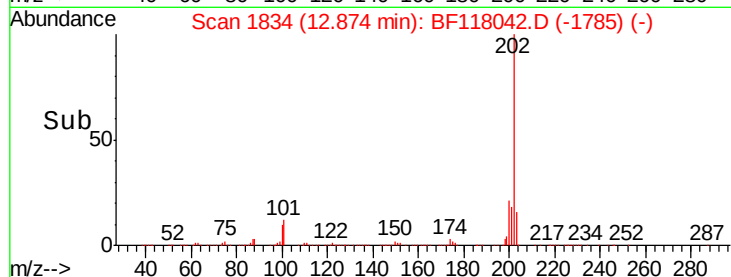
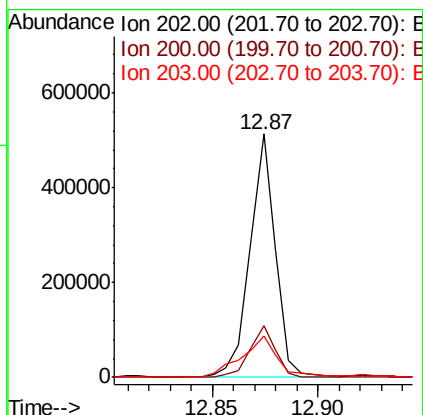
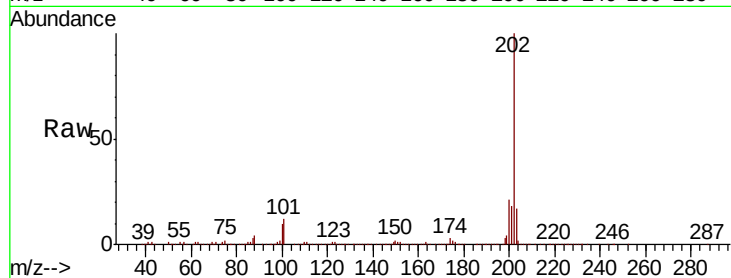




#78
Pvrene
Concen: 17.753 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

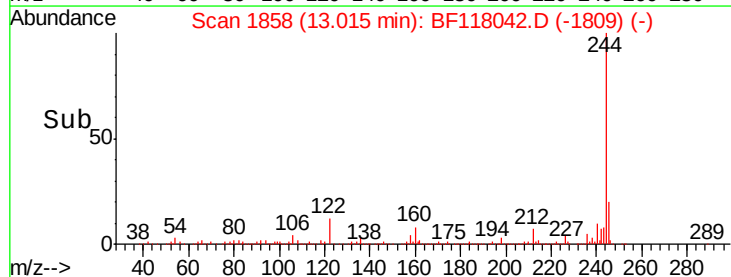
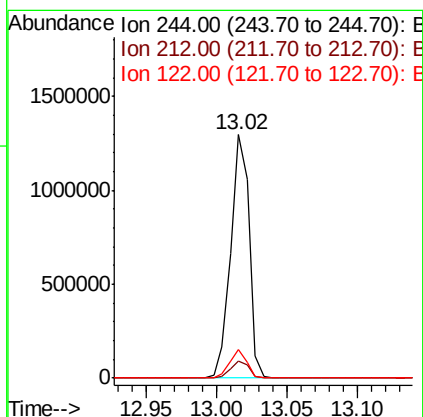
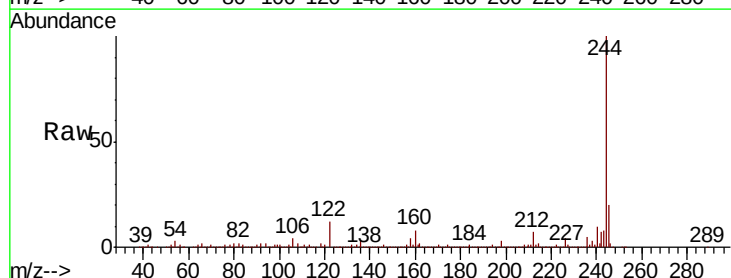
Instrument :
BNA_F
ClientSampleId :

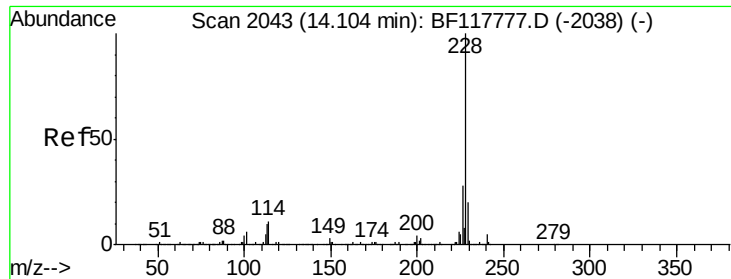
Tot Ion:202 Resp: 429339
Ion Ratio Lower Upper
202 100
200 21.4 17.8 26.8
203 17.2 14.6 22.0



#79
Terphenyl-d14
Concen: 71.924 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion:244 Resp: 1177648
Ion Ratio Lower Upper
244 100
212 7.0 6.3 9.5
122 11.6 9.4 14.2

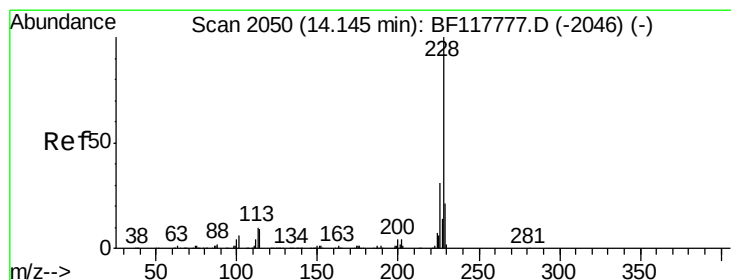
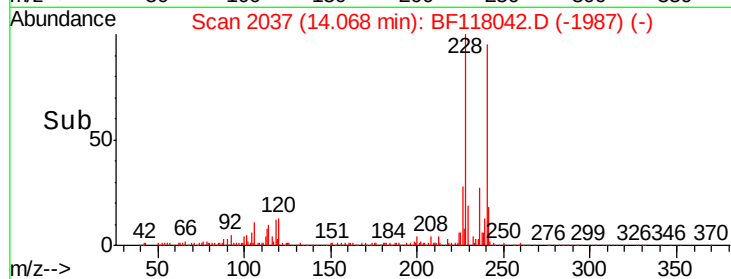
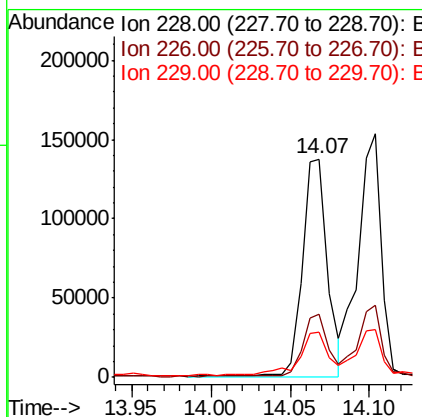
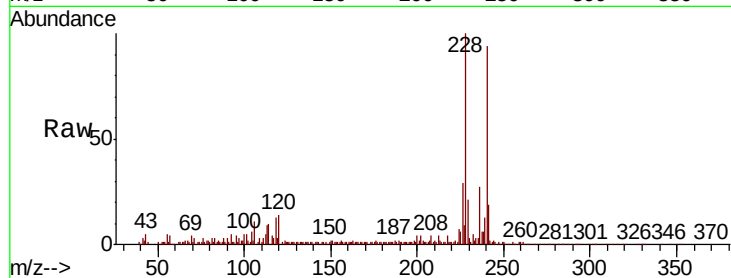




#81
Benzo(a)anthracene
Concen: 7.546 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

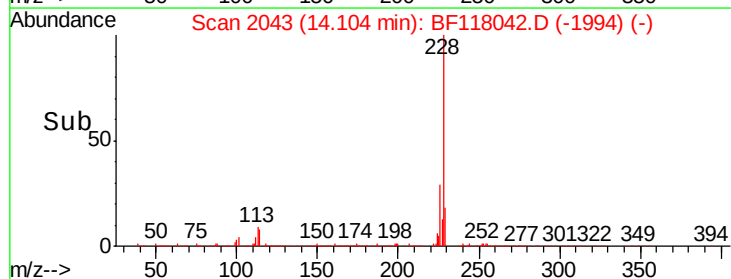
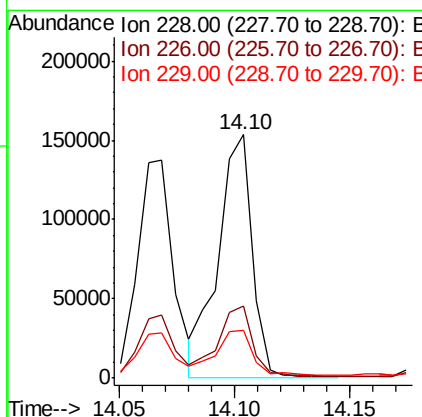
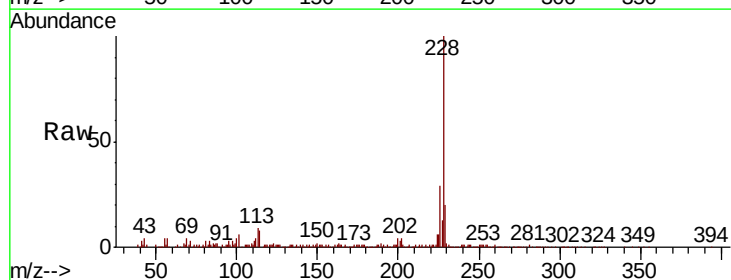
Instrument :
BNA_F
ClientSampleId :

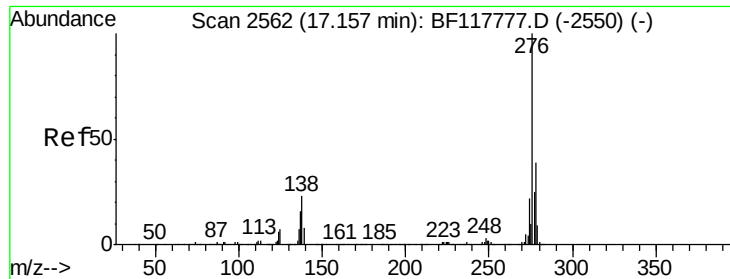
Tot Ion:228 Resp: 149223
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.2
229 20.9 15.9 23.9



#83
Chrysene
Concen: 8.199 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion:228 Resp: 157101
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.4
229 19.7 16.6 25.0

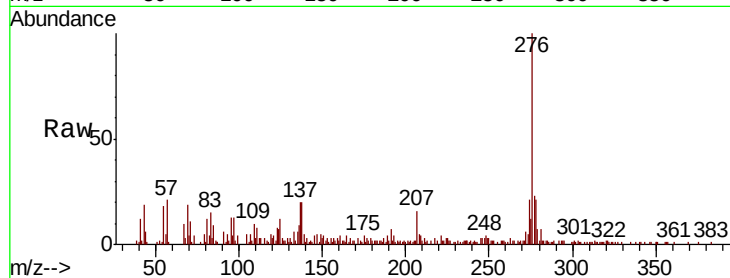




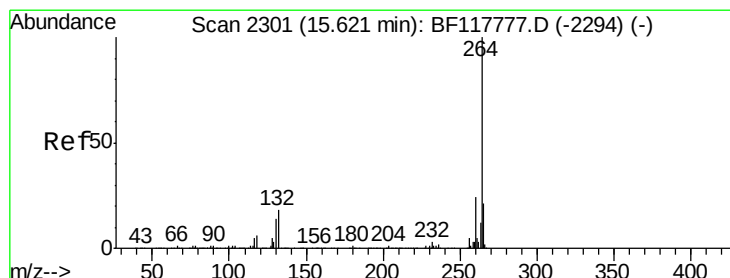
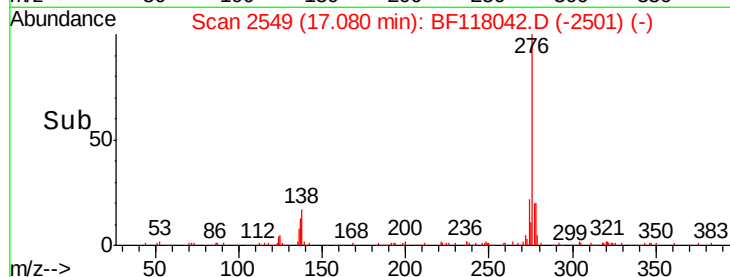
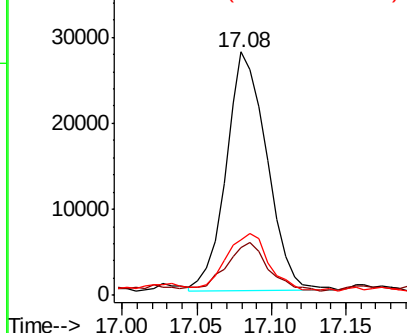
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.228 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.02 min
 Lab File: BF118042.D
 Acq: 27 Nov 2019 15:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.9	31.3
277	24.4	20.3	30.5

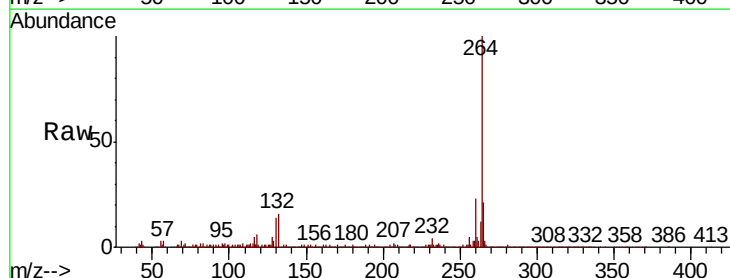


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

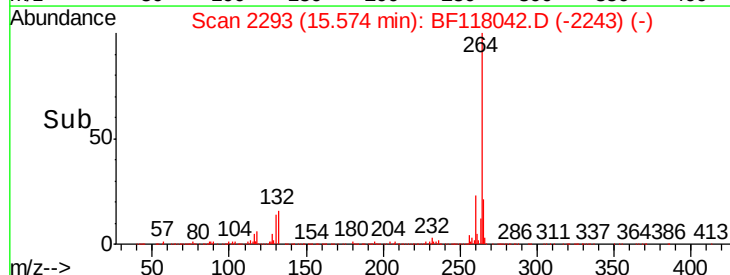
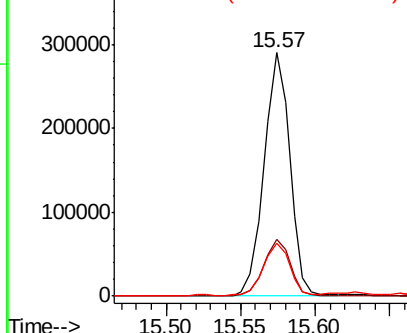


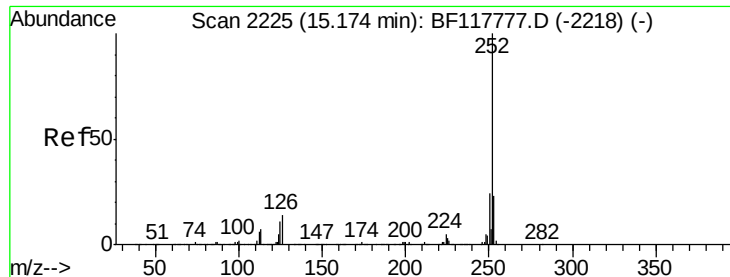
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: BF118042.D
 Acq: 27 Nov 2019 15:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.0
265	21.5	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

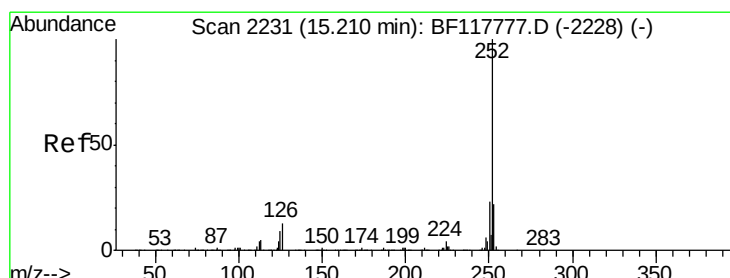
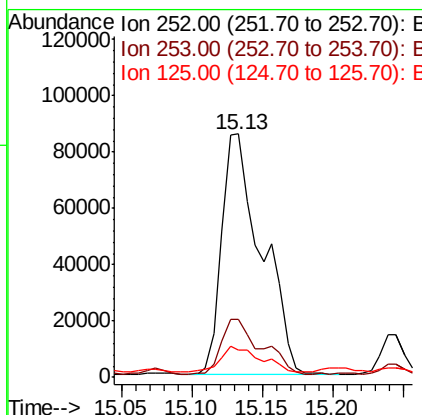
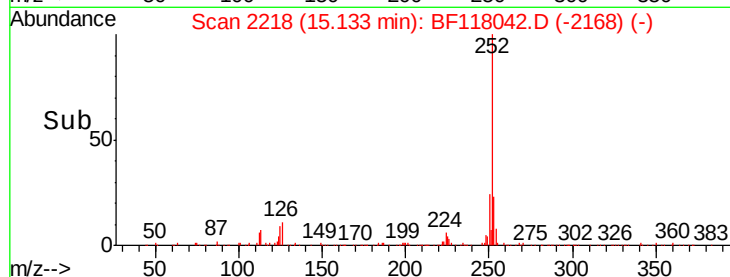
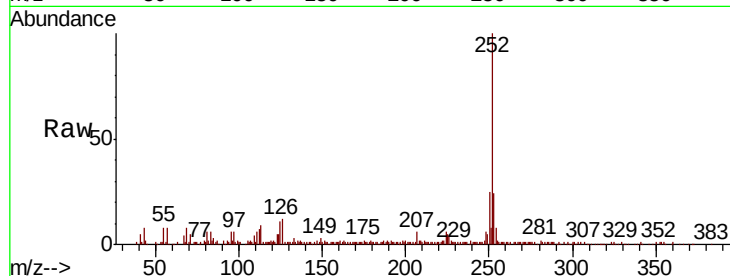




#88
Benzo(b)fluoranthene
Concen: 7.593 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

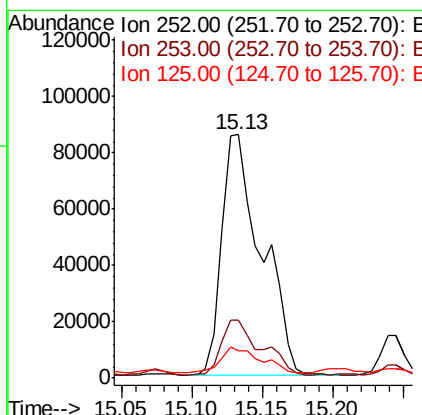
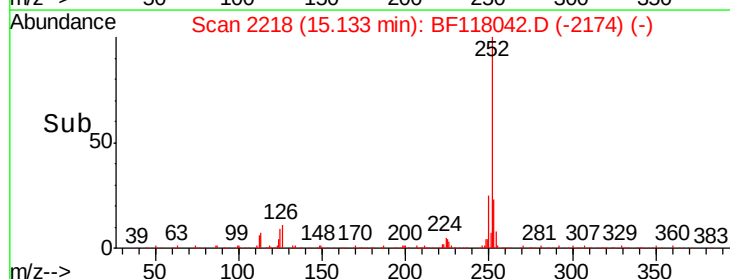
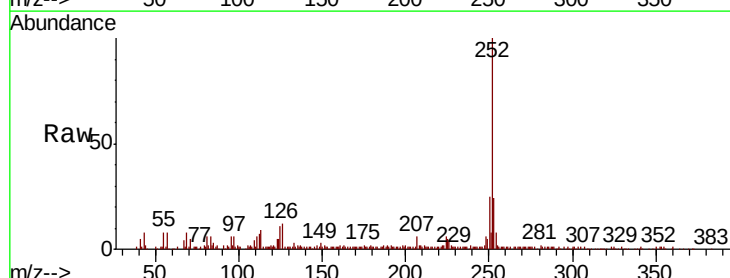
Instrument :
BNA_F
ClientSampled :

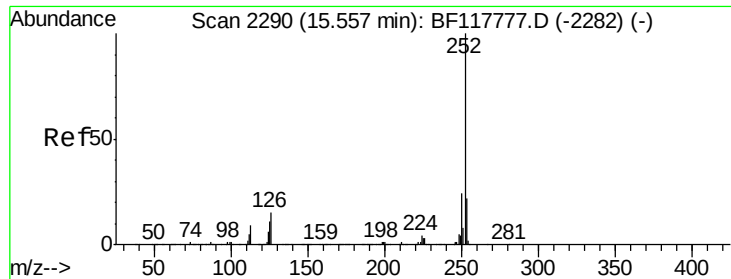
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	11.2	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 8.059 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.2	7.9	11.9

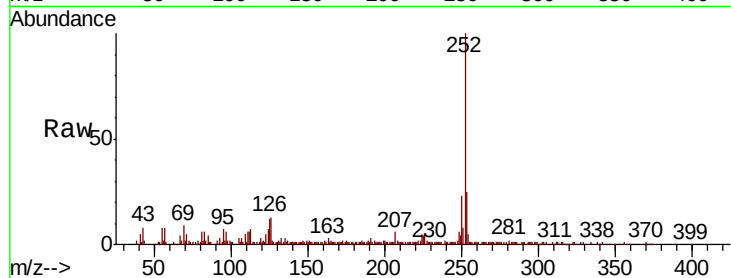




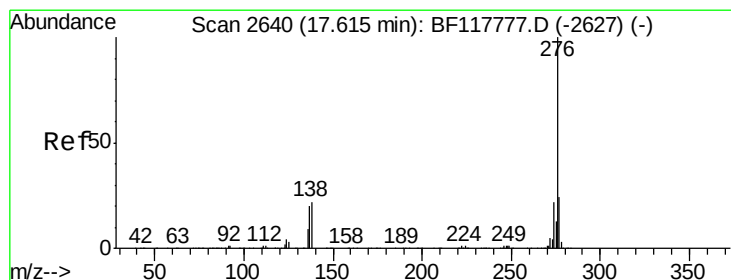
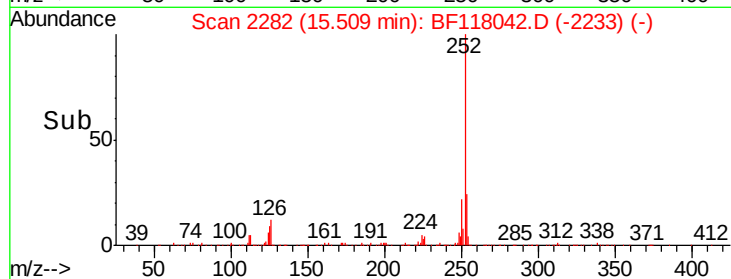
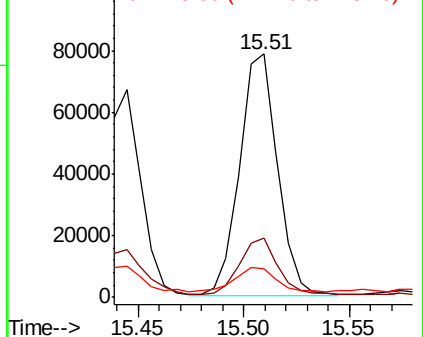
#90
Benzo(a)pyrene
Concen: 4.967 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 97572
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 12.0 9.2 13.8

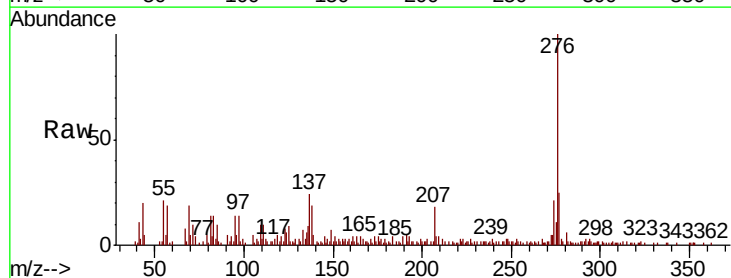


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.284 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion:276 Resp: 55304
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 19.4 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

