

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118040.D
 Acq On : 27 Nov 2019 14:58
 Operator : JU
 Sample : K6021-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 15:31:49 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

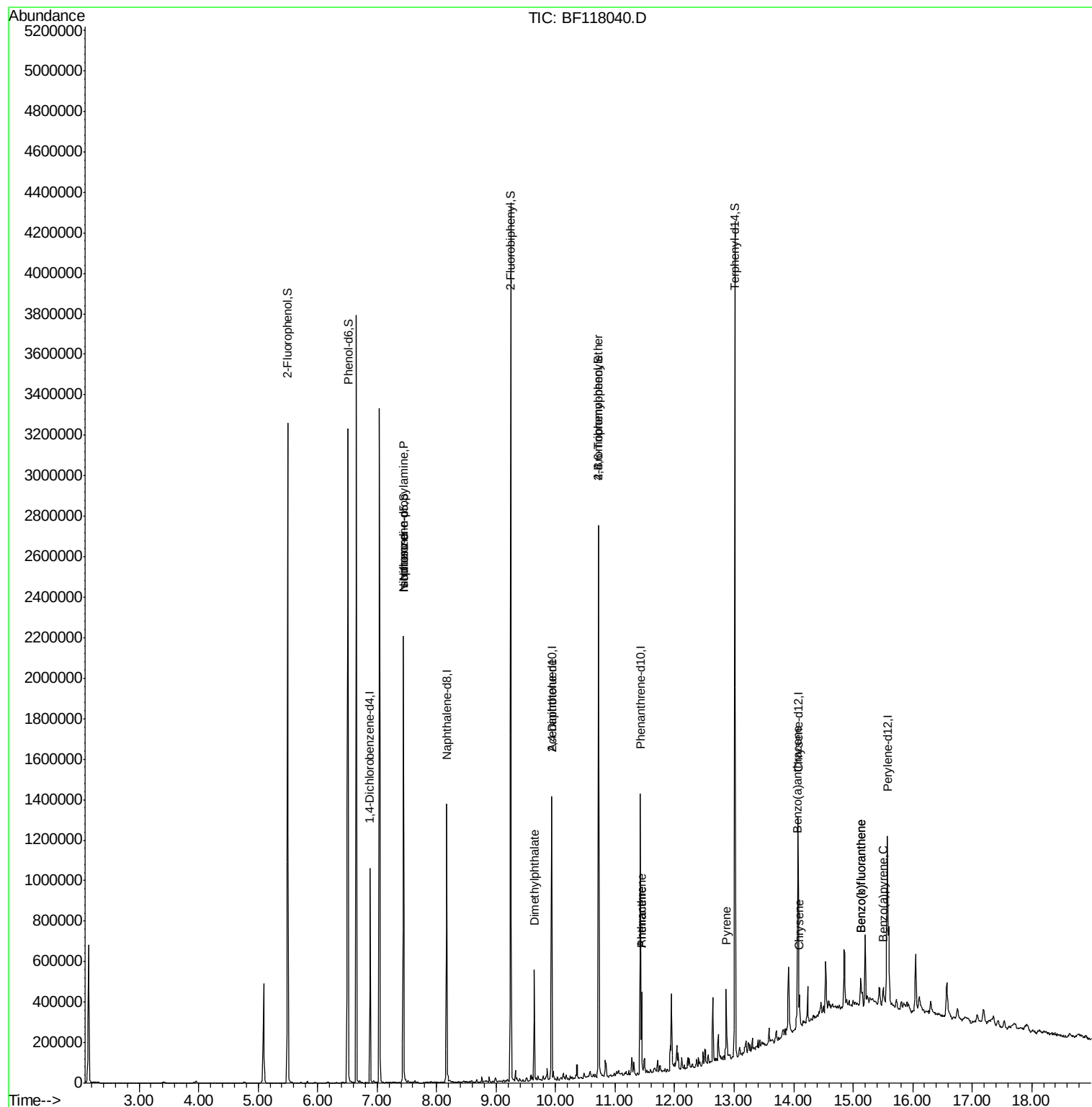
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	144417	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	562650	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	289968	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	501762	20.00	ng	-0.01
76) Chrysene-d12	14.07	240	312492	20.00	ng	-0.01
87) Perylene-d12	15.57	264	367936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	884840	108.45	ng	0.00
7) Phenol-d6	6.51	99	1115982	113.41	ng	-0.01
23) Nitrobenzene-d5	7.45	82	688595	72.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	329345	107.28	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1356445	83.92	ng	-0.01
79) Terphenyl-d14	13.02	244	1301755	76.13	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.51	77	2009	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.45	70	95543	15.738	ng	# 74
25) Isophorone	7.45	82	688590	39.693	ng	# 62
50) Dimethylphthalate	9.64	163	189875	9.338	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	37423	6.620	ng	# 25
67) 4-Bromophenyl-phenylether	10.72	248	20857	3.852	ng	# 1
71) Phenanthrene	11.44	178	131833	5.226	ng	97
72) Anthracene	11.44	178	131833	5.271	ng	98
75) Fluoranthene	12.64	202	109290	Below Cal		100
78) Pyrene	12.87	202	145429	5.759	ng	97
81) Benzo(a)anthracene	14.06	228	61564	2.981	ng	96
83) Chrysene	14.10	228	60328	3.015	ng	99
88) Benzo(b)fluoranthene	15.13	252	92579	3.873	ng	# 90
89) Benzo(k)fluoranthene	15.13	252	92579	4.110	ng	# 88
90) Benzo(a)pyrene	15.50	252	44737	2.128	ng	# 91

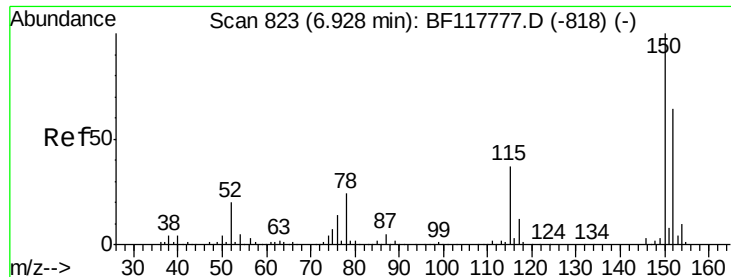
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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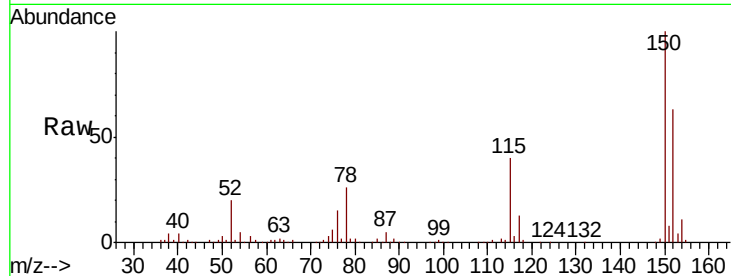


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF118040.D
 Acq: 27 Nov 2019 14:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.3	187.9
115	64.1	47.0	70.4

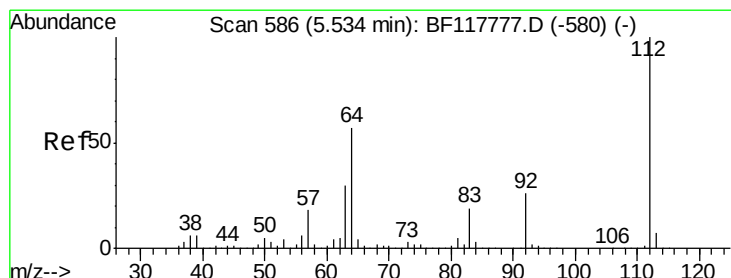
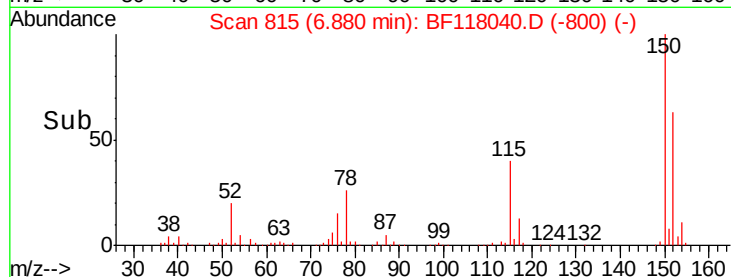
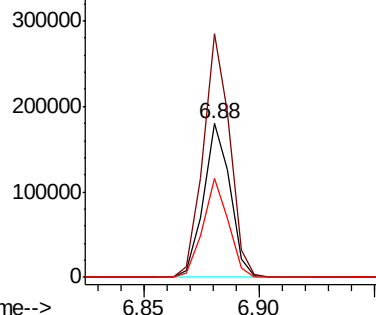


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

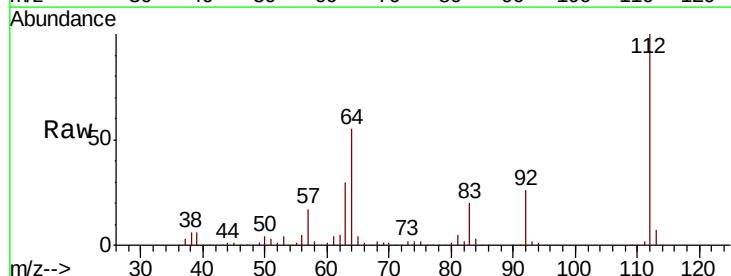
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 108.454 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: BF118040.D
 Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.6	68.4
63	29.7	24.1	36.1

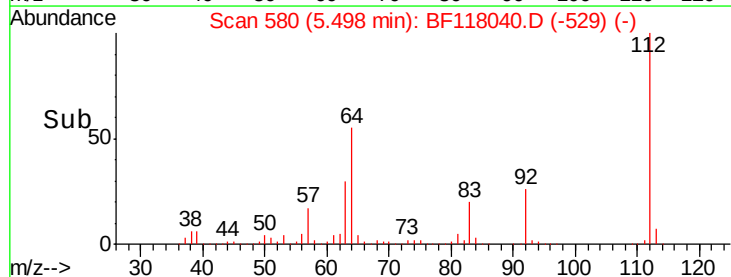
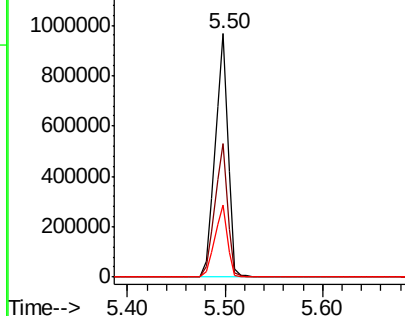


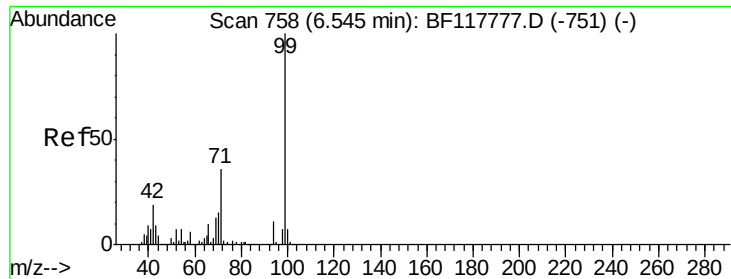
Abundance

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: 113.405 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

ClientSampleId :

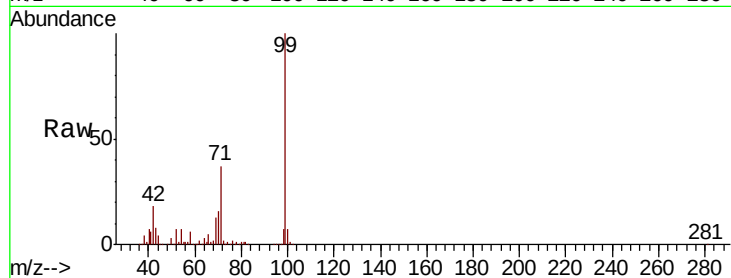
Tot Ion: 99 Resp: 1115982

Ion Ratio Lower Upper

99 100

42 17.8 14.9 22.3

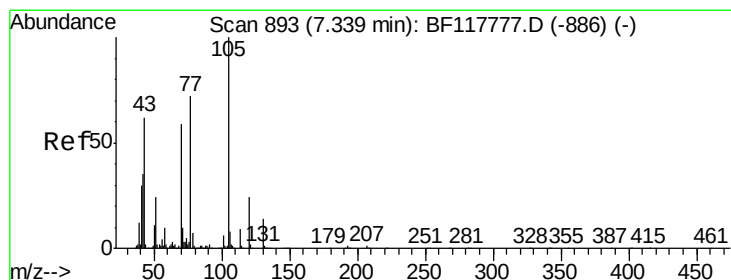
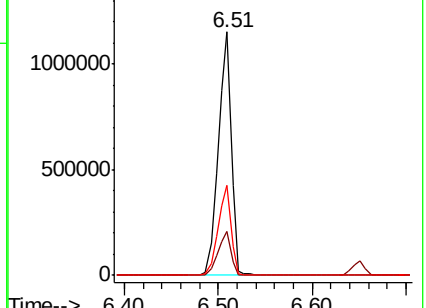
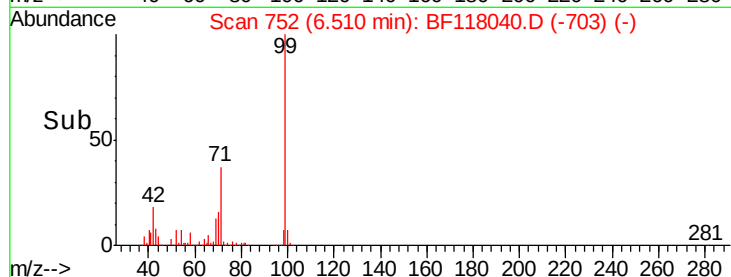
71 37.2 28.6 43.0



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: 15.738 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Tgt Ion: 70 Resp: 95543

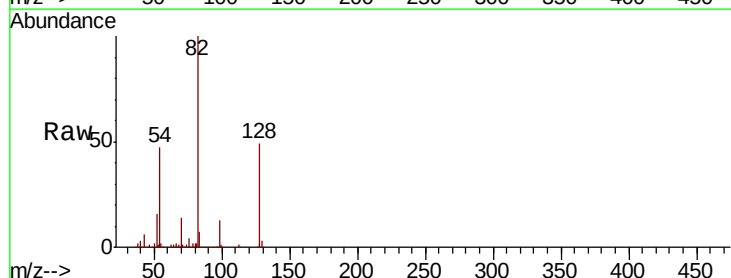
Ion Ratio Lower Upper

70 100

42 45.0 47.4 71.2#

101 0.0 8.4 12.6#

130 2.5 18.8 28.2#

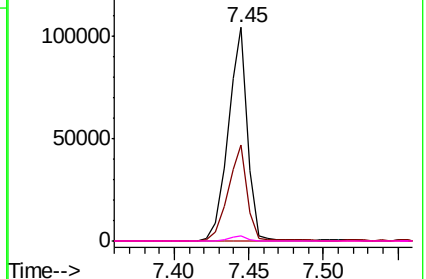
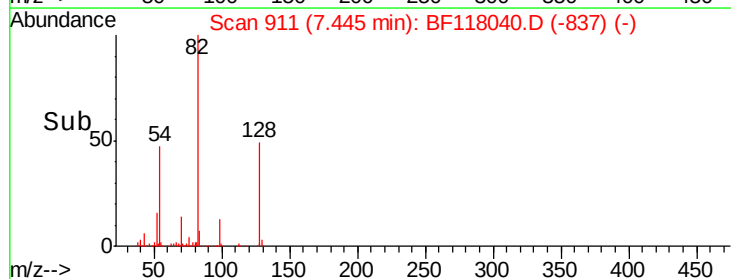


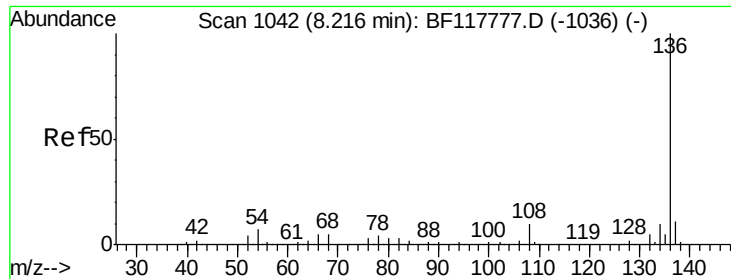
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

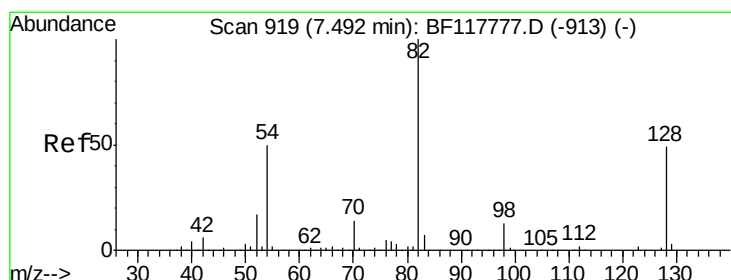
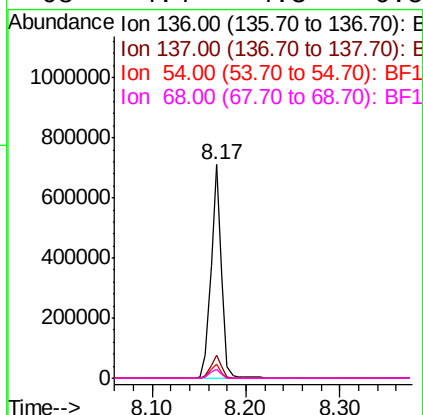
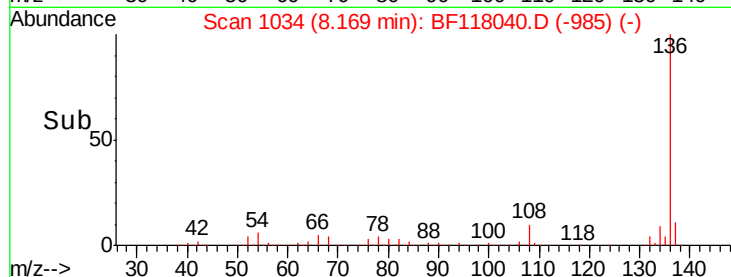
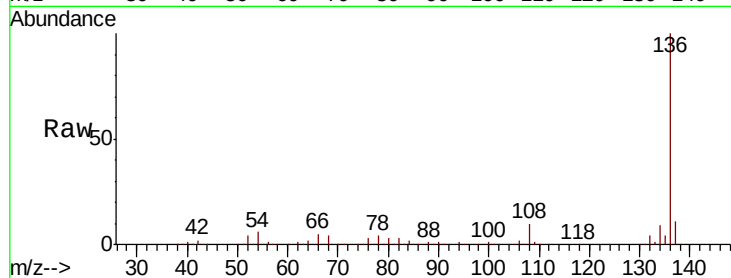




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

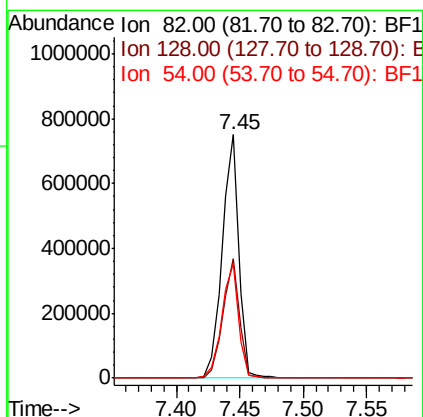
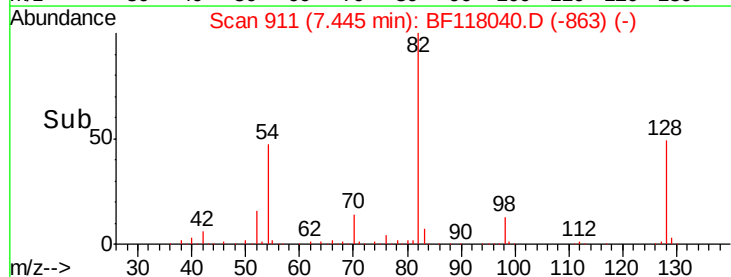
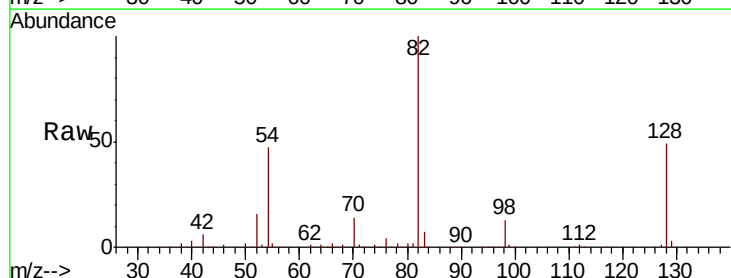
Instrument :
BNA_F
ClientSampleId :

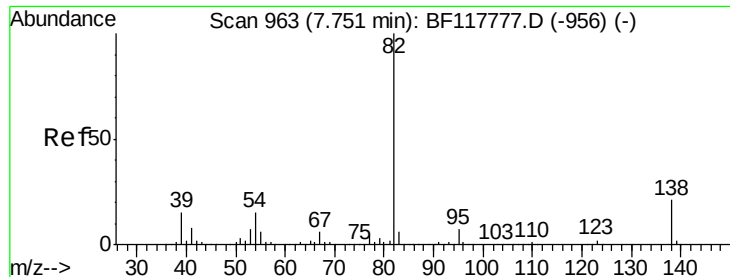
Tot Ion:136	Resp:	562650
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.0 13.4
54	6.4	5.4 8.2
68	4.4	4.3 6.5



#23
Nitrobenzene-d5
Concen: 72.752 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion: 82	Resp:	688595
Ion	Ratio	Lower Upper
82	100	
128	49.0	38.9 58.3
54	46.7	39.8 59.6

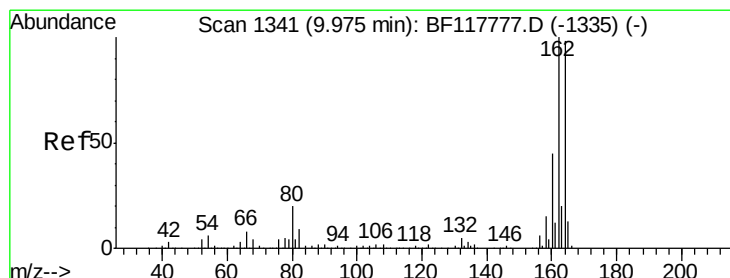
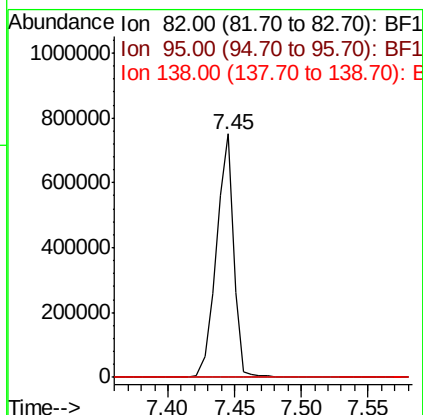
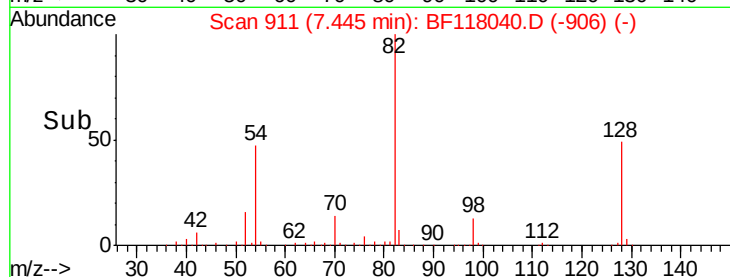
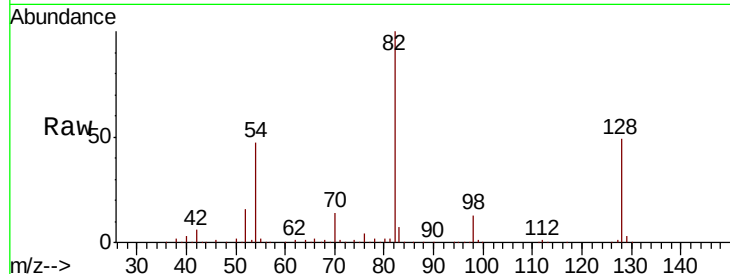




#25
Isophorone
Concen: 39.693 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

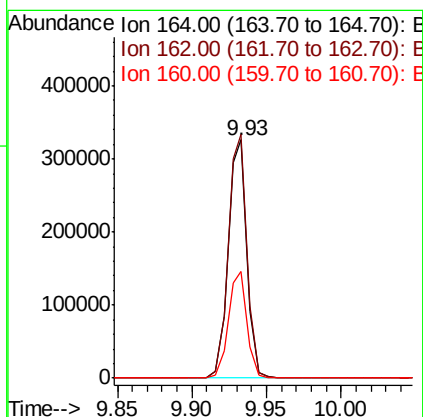
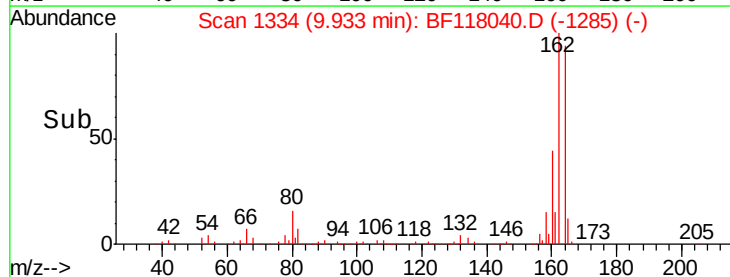
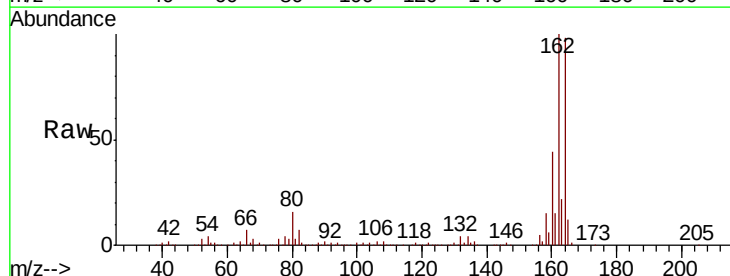
Instrument :
BNA_F
ClientSampleId :

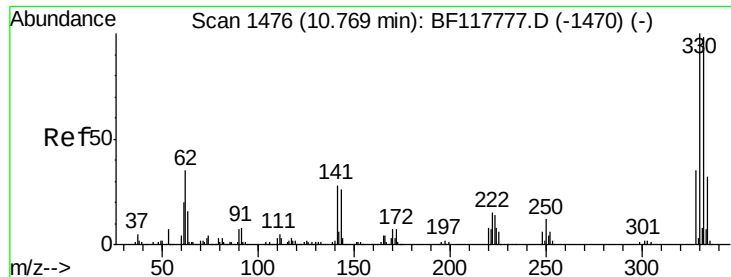
Tot Ion: 82 Resp: 688590
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion: 164 Resp: 289968
Ion Ratio Lower Upper
164 100
162 102.2 81.3 121.9
160 45.0 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 107.283 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

ClientSampled :

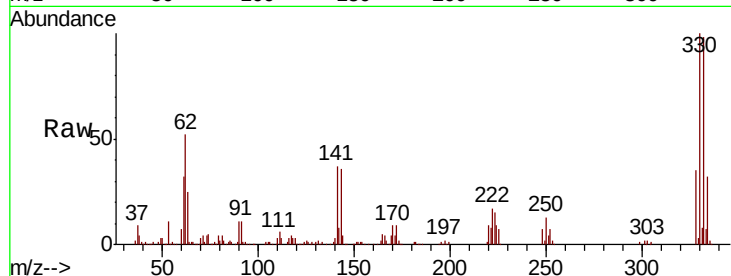
Tot Ion:330 Resp: 329345

Ion Ratio Lower Upper

330 100

332 97.7 76.7 115.1

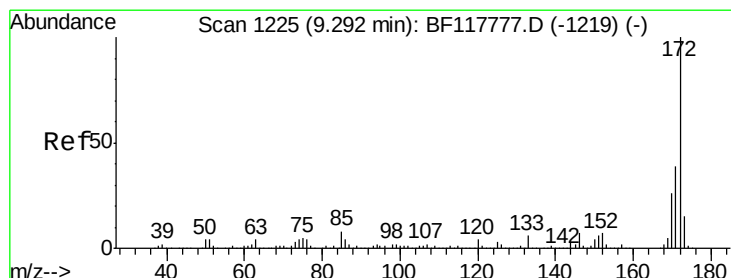
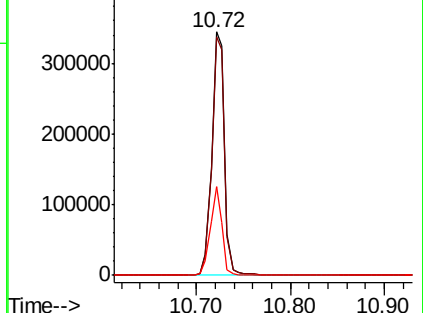
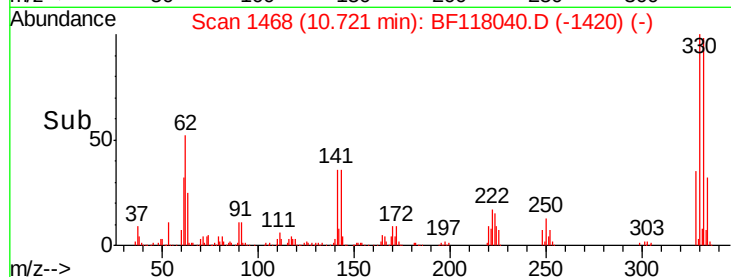
141 34.1 27.7 41.5



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: 83.923 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

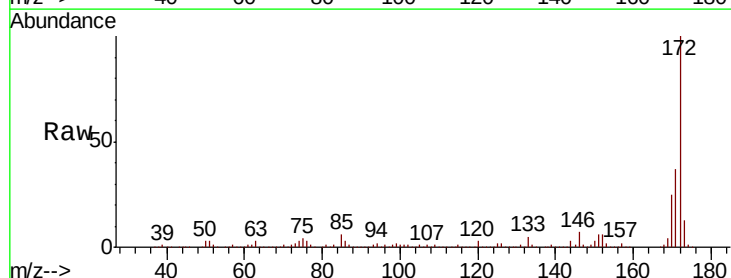
Tgt Ion:172 Resp: 1356445

Ion Ratio Lower Upper

172 100

171 36.5 30.9 46.3

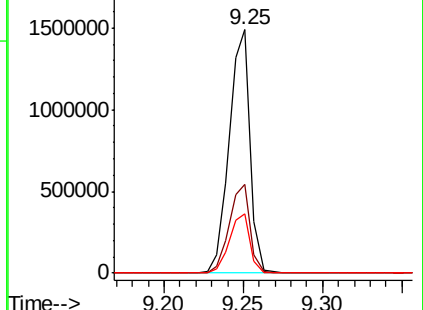
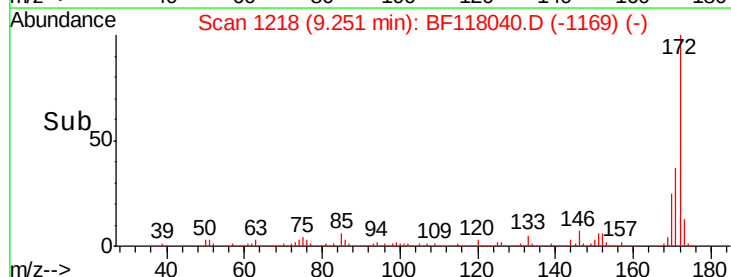
170 24.6 21.0 31.4

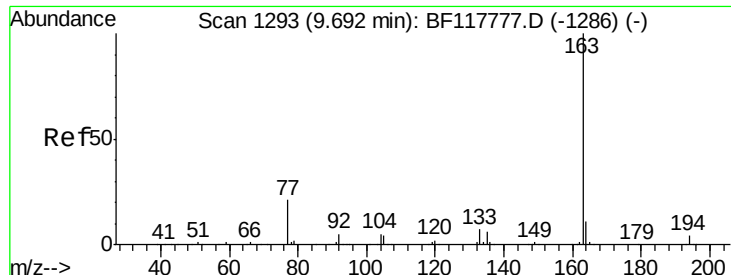


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

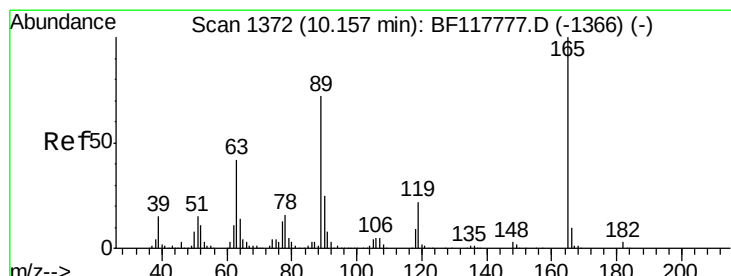
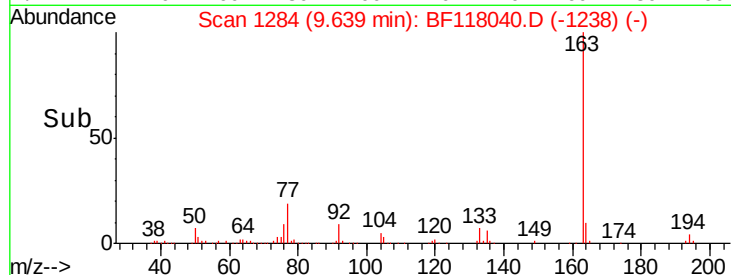
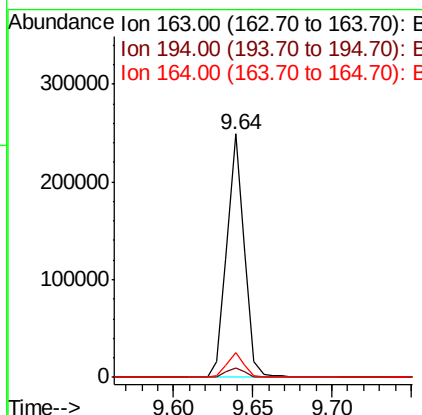
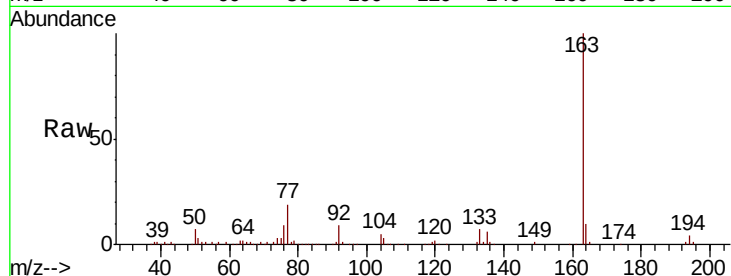




#50
Dimethylphthalate
Concen: 9.338 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

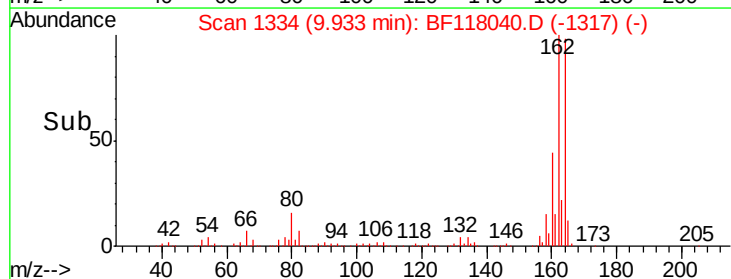
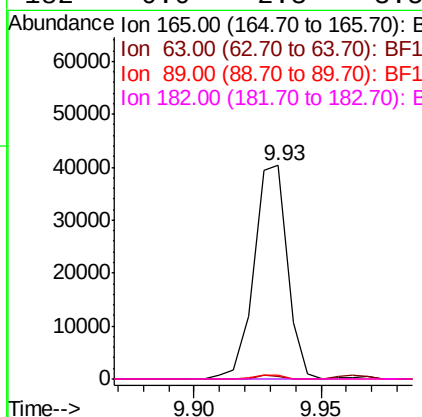
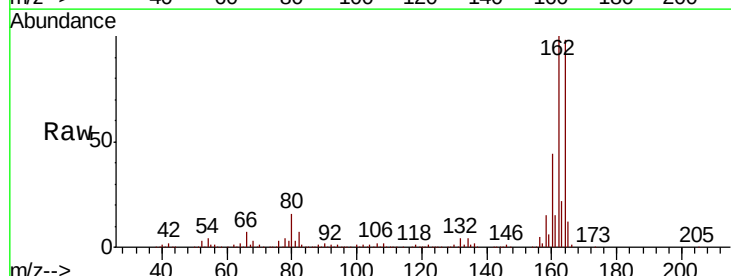
Instrument :
BNA_F
ClientSampleId :

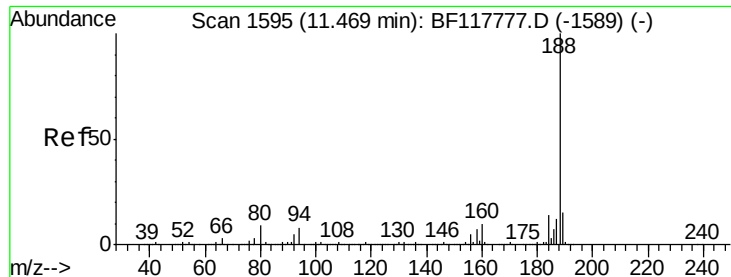
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.9	8.7	13.1



#57
2,4-Dinitrotoluene
Concen: 6.620 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.20 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.7	50.5#
89	2.0	57.3	85.9#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

ClientSampleId :

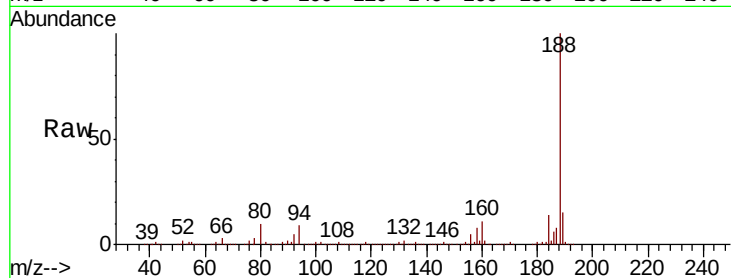
Tot Ion:188 Resp: 501762

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

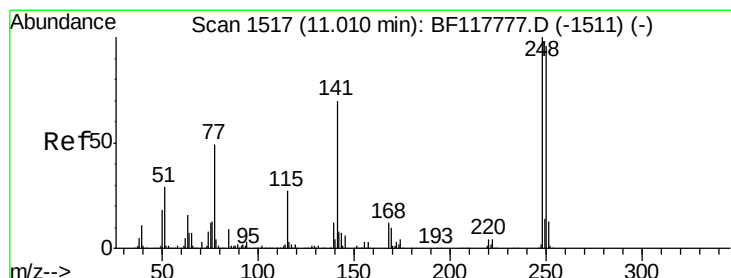
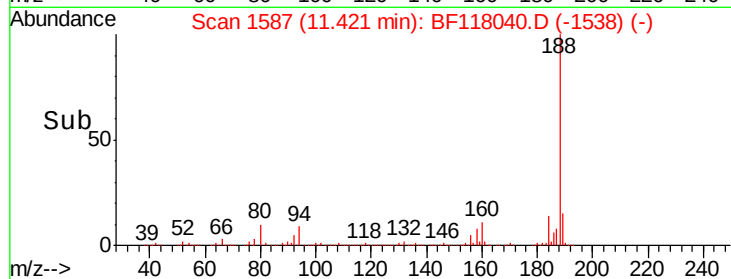
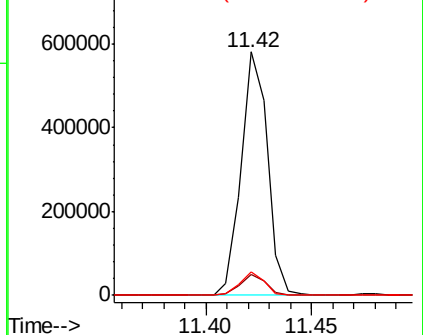
80 9.6 7.2 10.8



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: 3.852 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.25 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

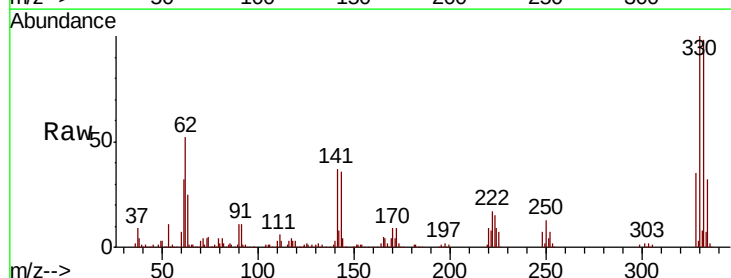
Tgt Ion:248 Resp: 20857

Ion Ratio Lower Upper

248 100

250 189.8 76.6 115.0#

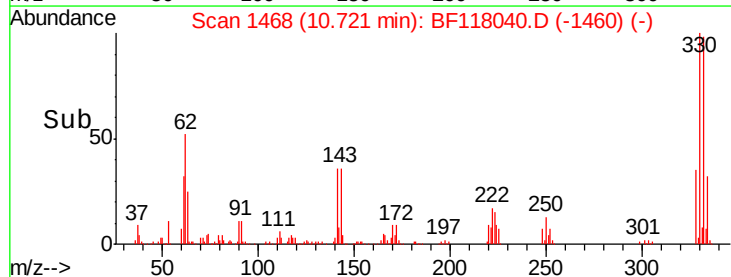
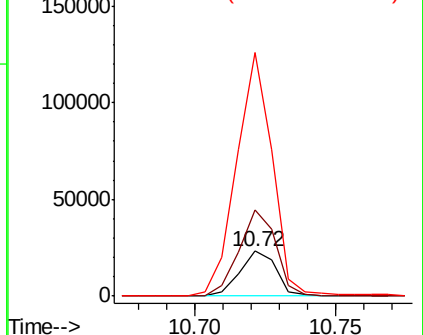
141 538.8 55.9 83.9#

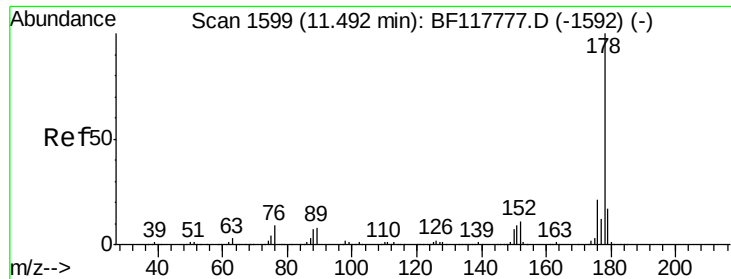


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.226 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

ClientSampleId :

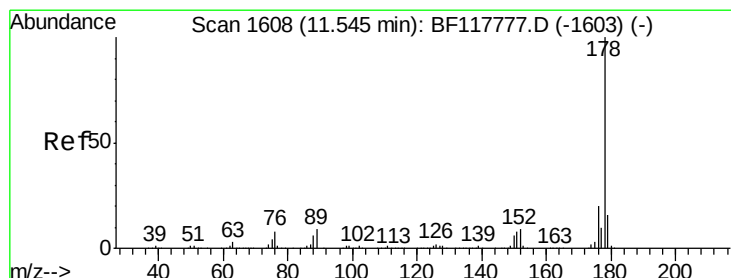
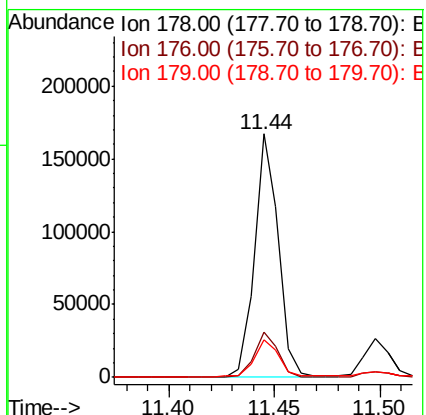
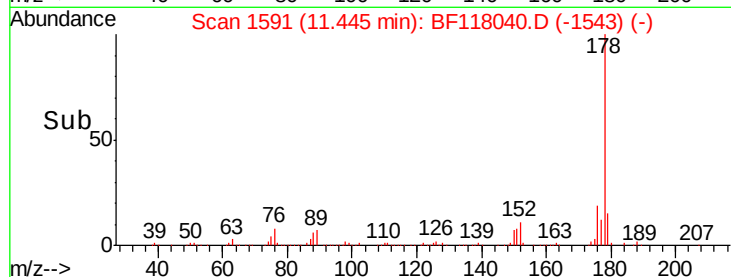
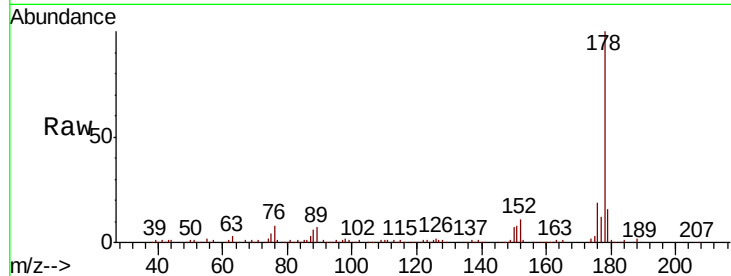
Tot Ion:178 Resp: 131833

Ion Ratio Lower Upper

178 100

176 18.7 16.6 25.0

179 15.7 13.2 19.8



#72

Anthracene

Concen: 5.271 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.07 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

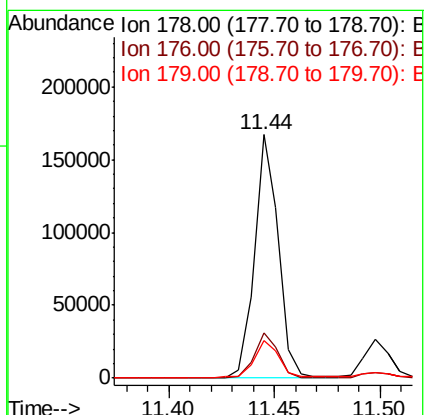
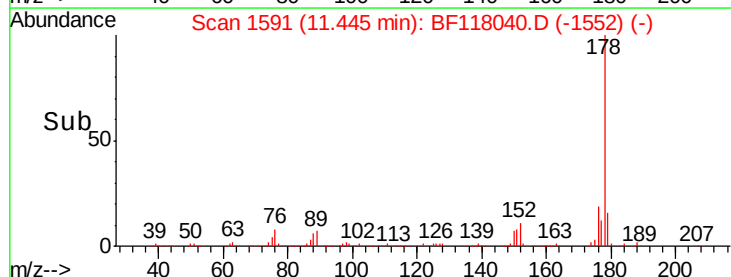
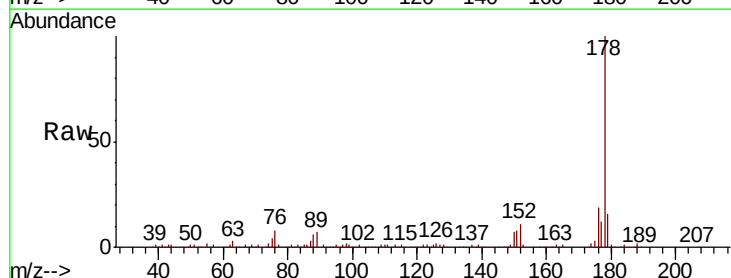
Tgt Ion:178 Resp: 131833

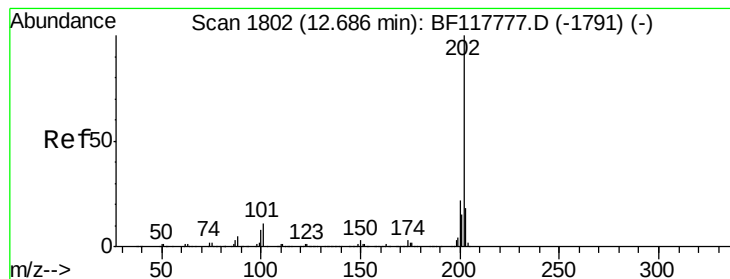
Ion Ratio Lower Upper

178 100

176 18.7 16.1 24.1

179 15.7 13.0 19.4





#75

Fluoranthene

Concen: Below Cal

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

ClientSampleId :

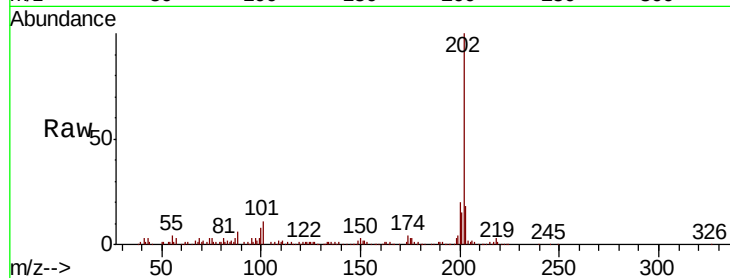
Tot Ion:202 Resp: 109290

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.1

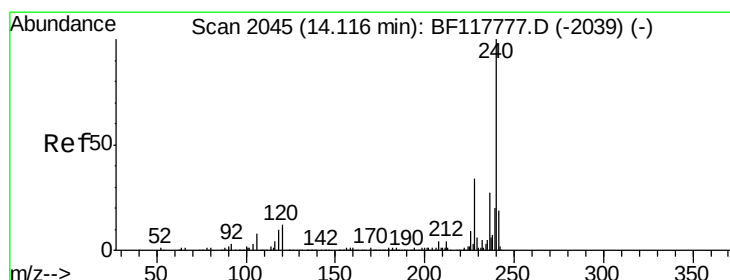
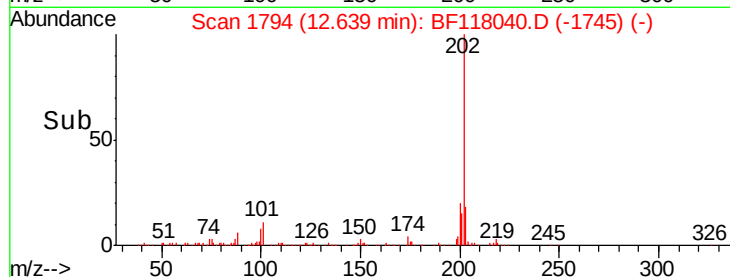
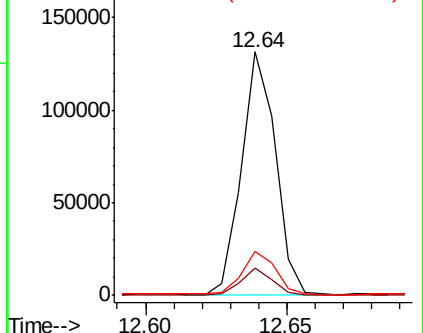
203 18.2 0.0 38.2



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: BF118040.D

Acq: 27 Nov 2019 14:58

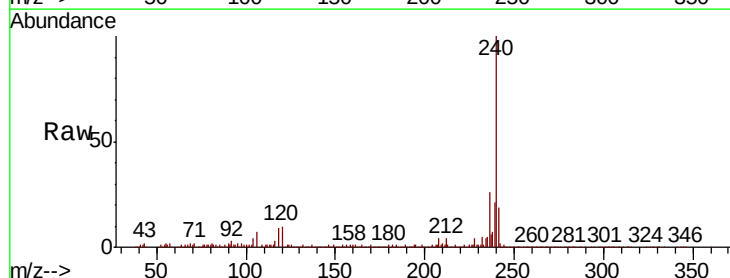
Tgt Ion:240 Resp: 312492

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

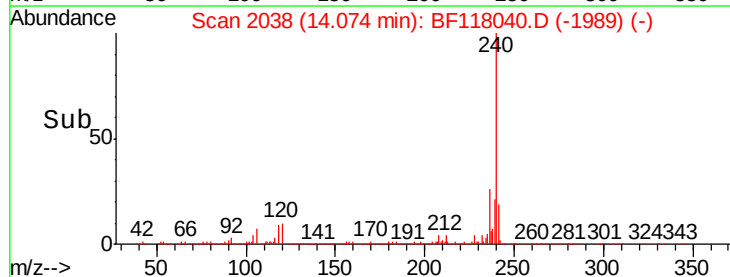
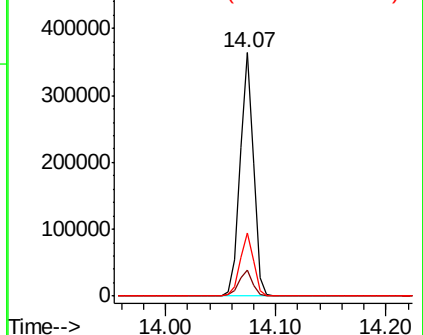
236 26.2 21.3 31.9

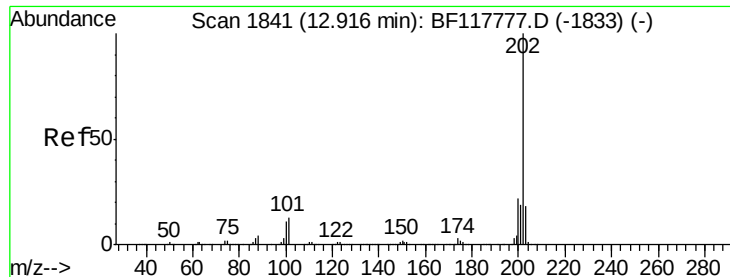


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

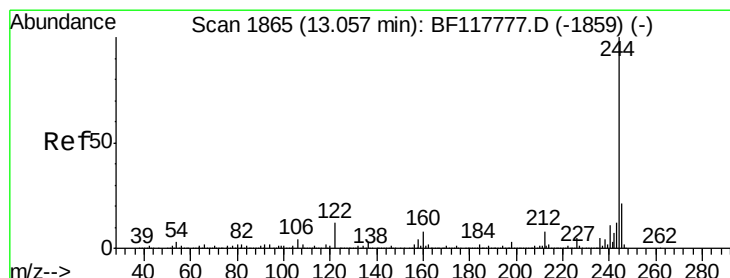
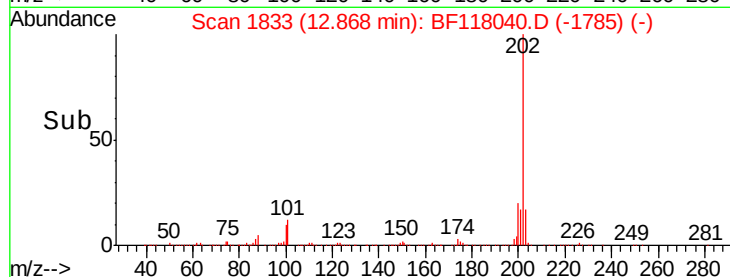
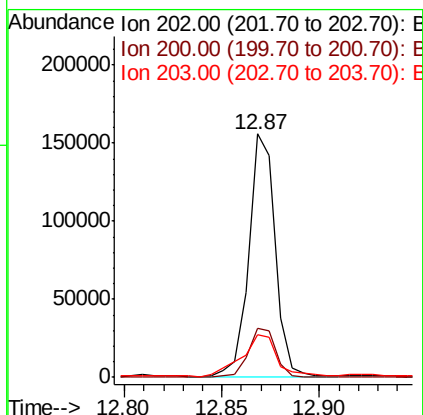
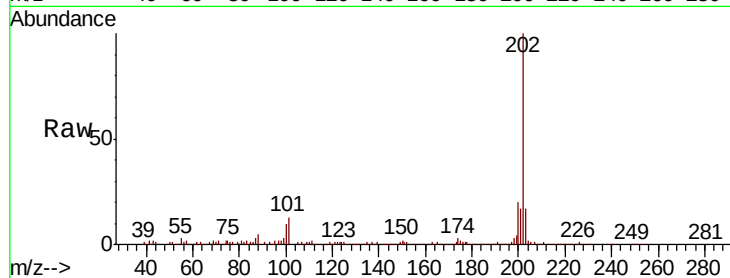




#78
Pvrene
Concen: 5.759 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

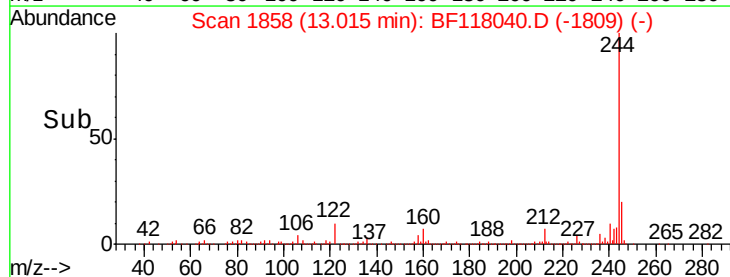
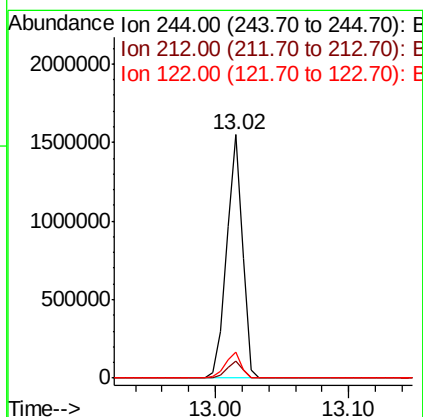
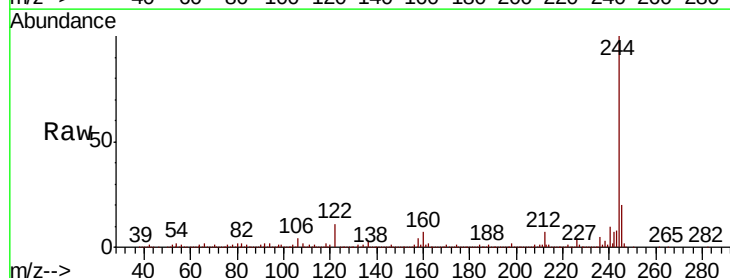
Instrument :
BNA_F
ClientSampleId :

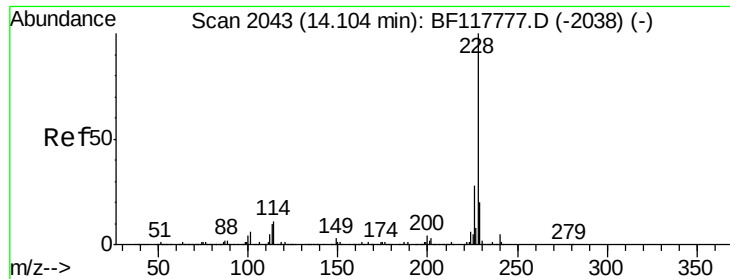
Tot Ion:202 Resp: 145429
Ion Ratio Lower Upper
202 100
200 20.3 17.8 26.8
203 17.5 14.6 22.0



#79
Terphenyl-d14
Concen: 76.133 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion:244 Resp: 1301755
Ion Ratio Lower Upper
244 100
212 6.9 6.3 9.5
122 10.5 9.4 14.2





#81

Benzo(a)anthracene

Concen: 2.981 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

ClientSampleId :

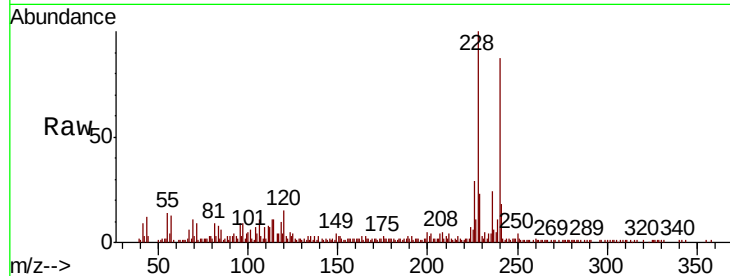
Tot Ion:228 Resp: 61564

Ion Ratio Lower Upper

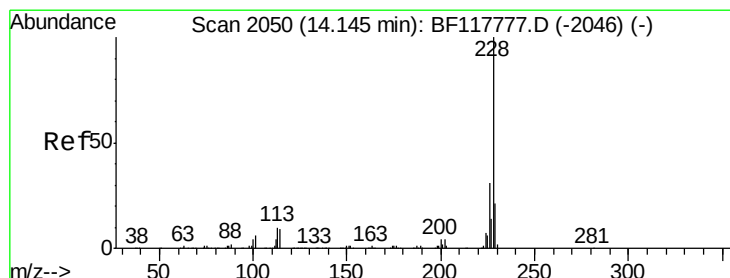
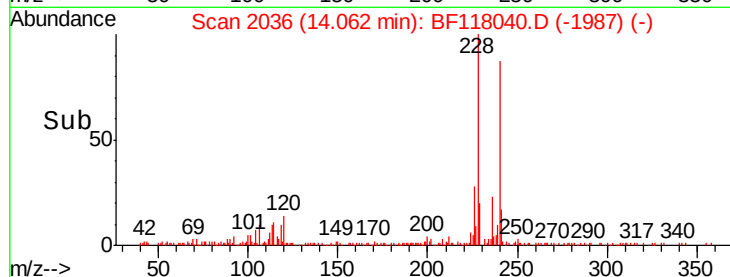
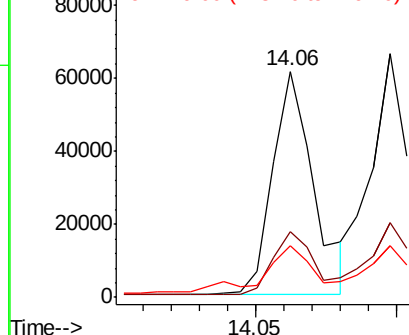
228 100

226 29.0 22.2 33.2

229 22.8 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: 3.015 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

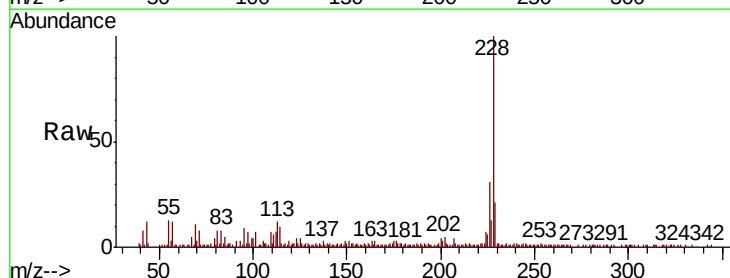
Tgt Ion:228 Resp: 60328

Ion Ratio Lower Upper

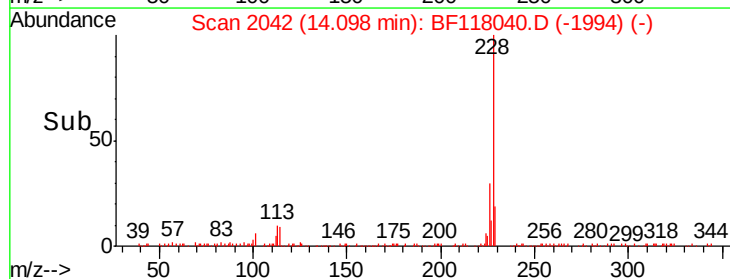
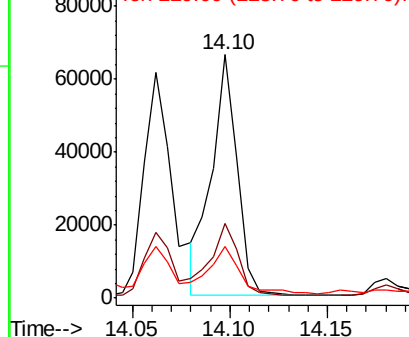
228 100

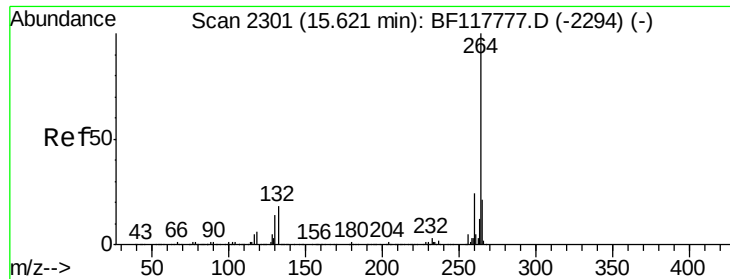
226 30.7 25.0 37.4

229 21.3 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

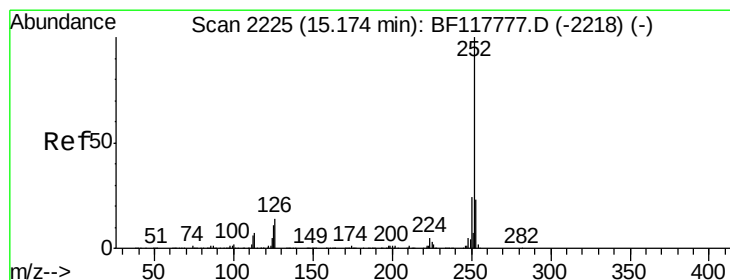
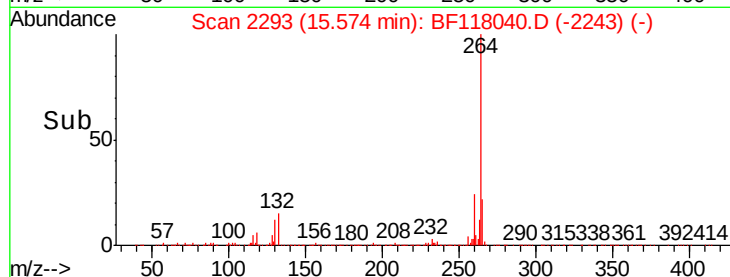
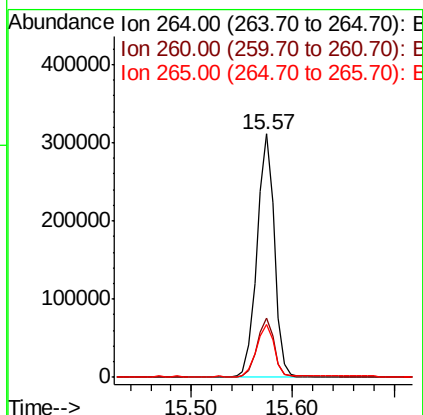
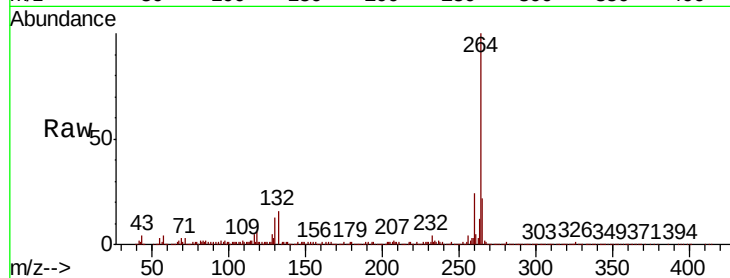




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

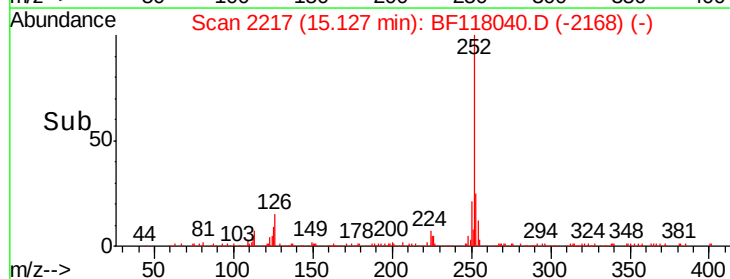
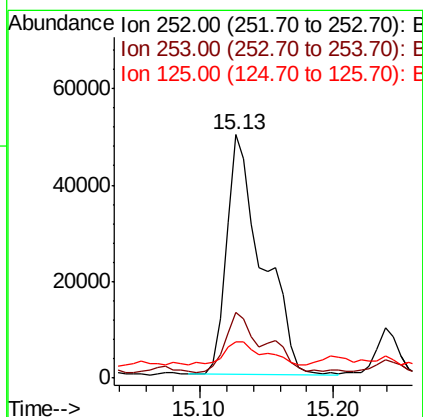
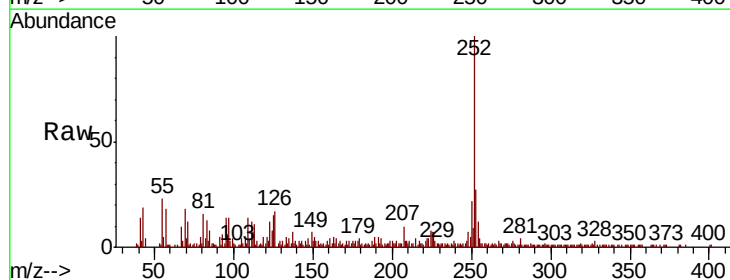
Instrument :
BNA_F
ClientSampleId :

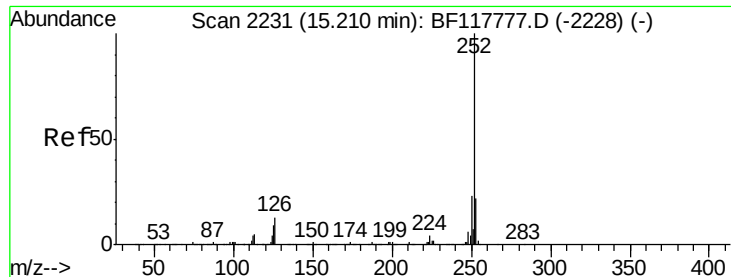
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	22.0	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 3.873 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.0	27.0#
125	15.0	8.6	13.0#

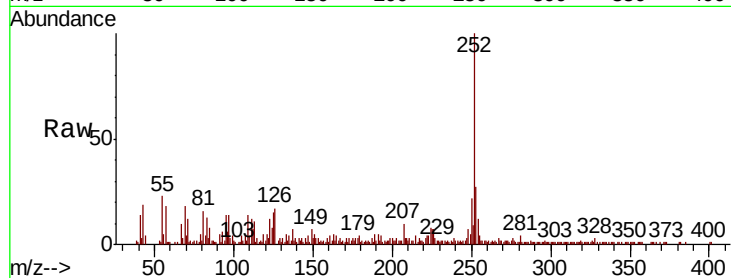




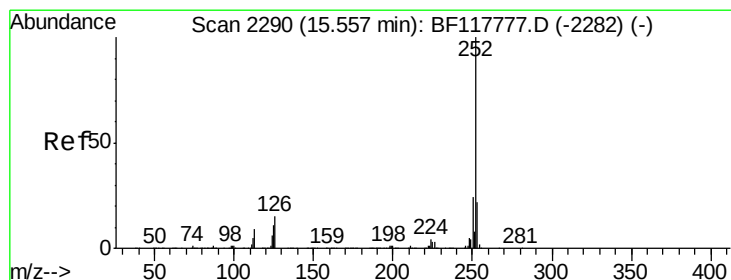
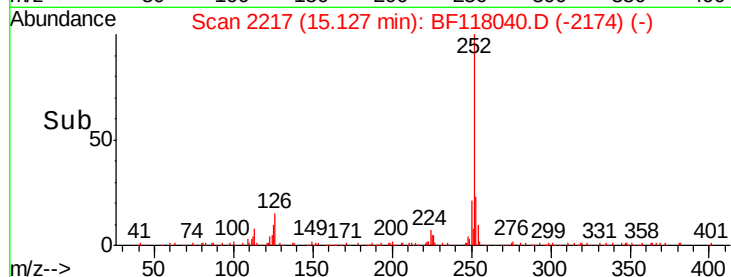
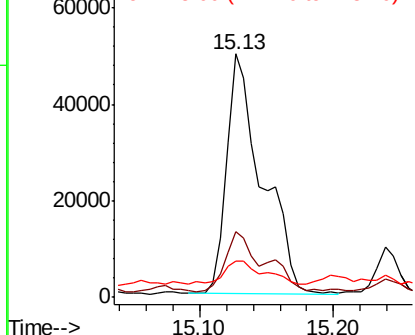
#89
Benzo(k)fluoranthene
Concen: 4.110 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.05 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 92579
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 15.0 7.9 11.9#

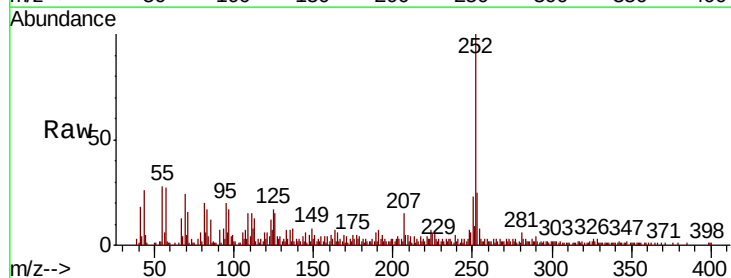


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.128 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion:252 Resp: 44737
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 17.3 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

