

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117862.D
 Acq On : 19 Nov 2019 16:31
 Operator : JU
 Sample : K5865-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:31:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	224577	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	892006	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	459133	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	785028	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	494400	20.00	ng	-0.01
87) Perylene-d12	15.61	264	559940	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1004855	79.20	ng	0.00
7) Phenol-d6	6.53	99	1349715	88.20	ng	-0.01
23) Nitrobenzene-d5	7.47	82	834439	55.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	324533	66.77	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1572233	61.43	ng	-0.01
79) Terphenyl-d14	13.04	244	1451942	53.67	ng	-0.01

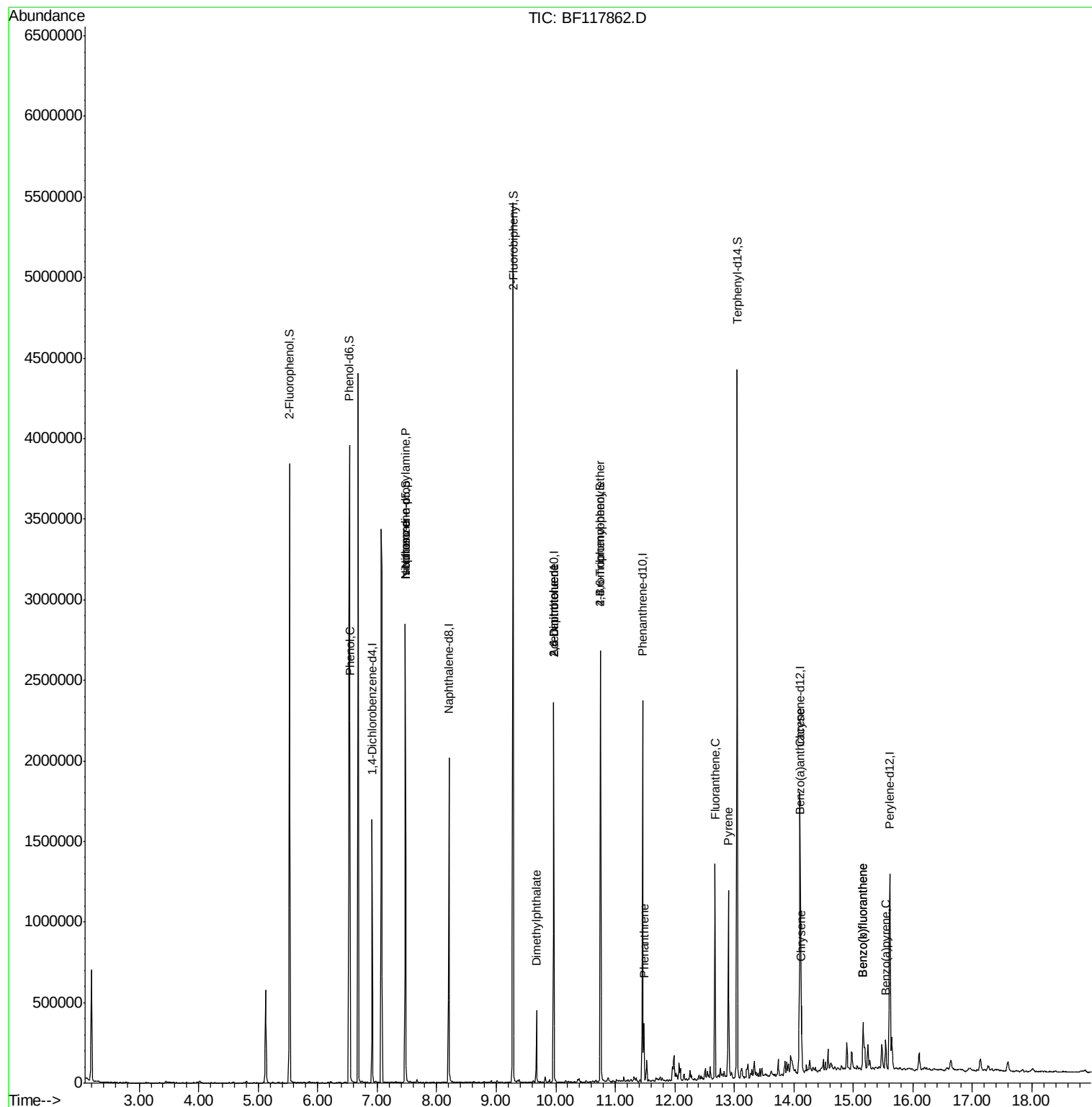
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	2733	Below Cal		# 1
10) Phenol	6.55	94	58374	3.671	ng	96
19) n-Nitroso-di-n-propylamine	7.47	70	112526	11.919	ng	# 75
25) Isophorone	7.47	82	827553	30.090	ng	# 62
50) Dimethylphthalate	9.67	163	170167	5.285	ng	98
51) 2,6-Dinitrotoluene	9.96	165	59129	8.403	ng	# 23
57) 2,4-Dinitrotoluene	9.96	165	59129	6.606	ng	# 25
67) 4-Bromophenyl-phenylether	10.75	248	20796	2.455	ng	# 1
71) Phenanthrene	11.48	178	124386	3.152	ng	96
75) Fluoranthene	12.67	202	492438	7.417	ng	99
78) Pyrene	12.90	202	428509	10.725	ng	98
81) Benzo(a)anthracene	14.09	228	164536	5.036	ng	97
83) Chrysene	14.13	228	143696	4.539	ng	98
88) Benzo(b)fluoranthene	15.16	252	206024	5.663	ng	98
89) Benzo(k)fluoranthene	15.16	252	206024	6.010	ng	98
90) Benzo(a)pyrene	15.54	252	92730	2.899	ng	100

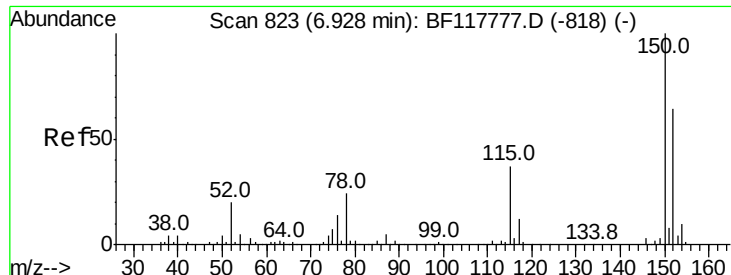
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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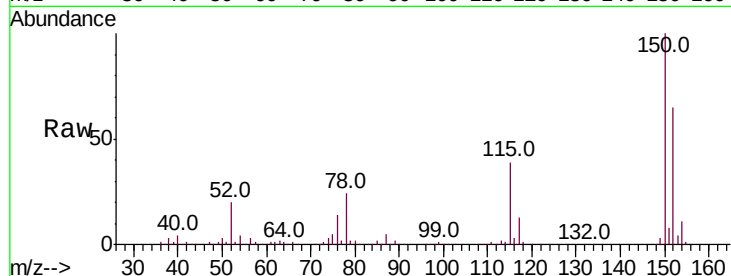


#1

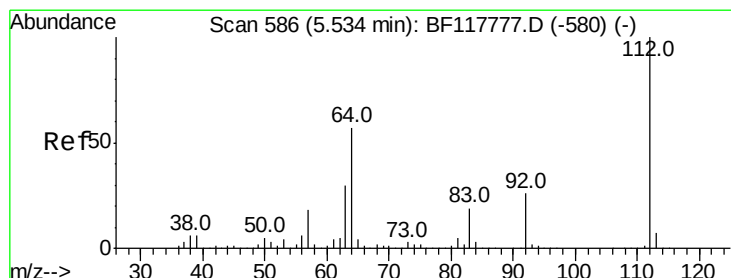
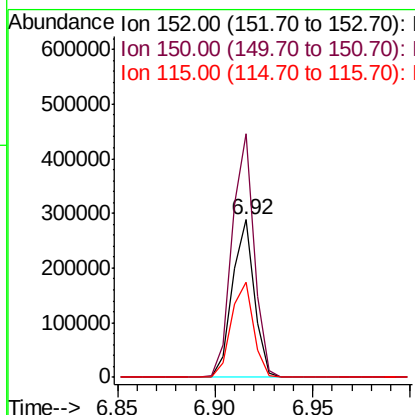
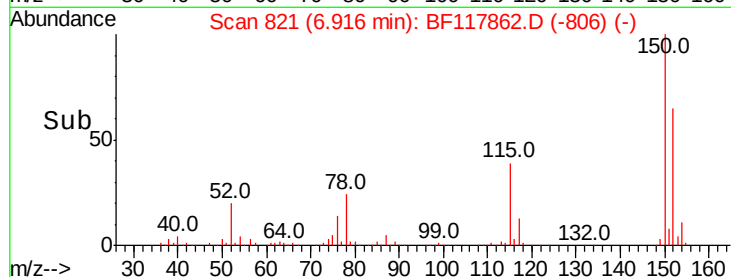
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 224577
Ion Ratio Lower Upper
152 100
150 154.7 125.3 187.9
115 60.1 47.0 70.4



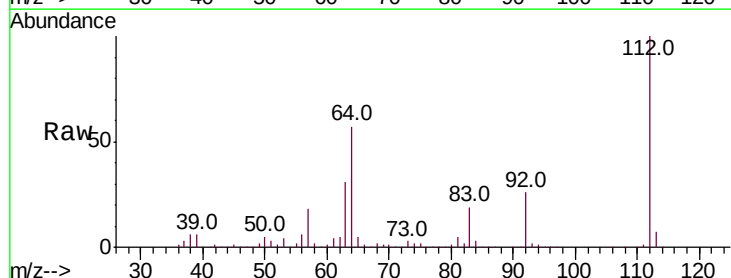
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



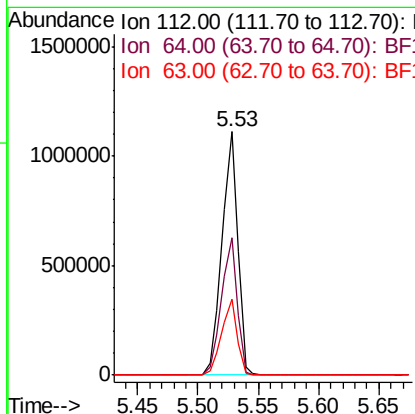
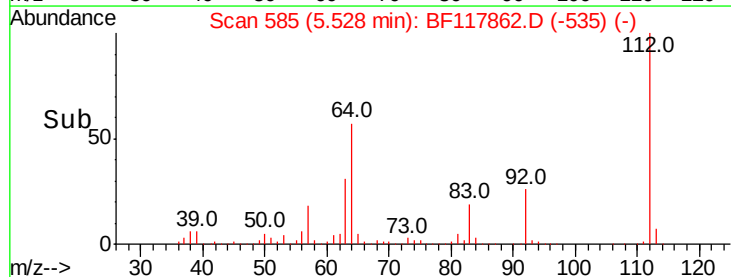
#5

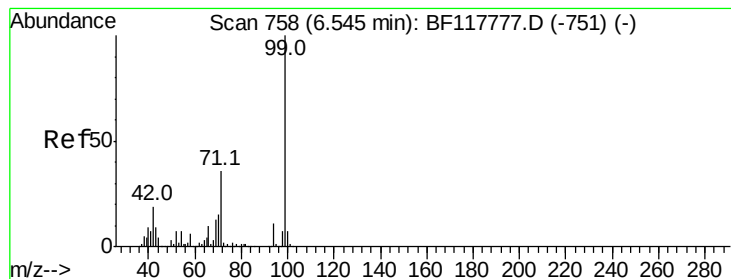
2-Fluorophenol
Concen: 79.202 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion:112 Resp: 1004855
Ion Ratio Lower Upper
112 100
64 56.7 45.6 68.4
63 31.0 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: 88.200 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

ClientSampleId :

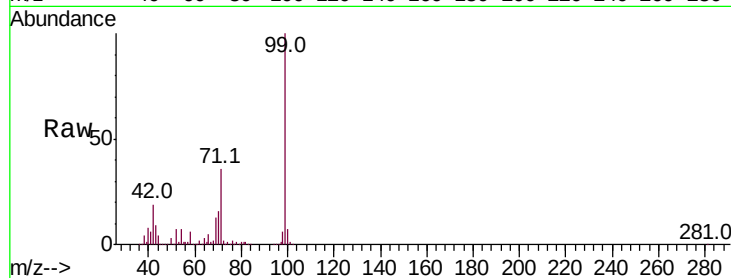
Tot Ion: 99 Resp: 1349715

Ion Ratio Lower Upper

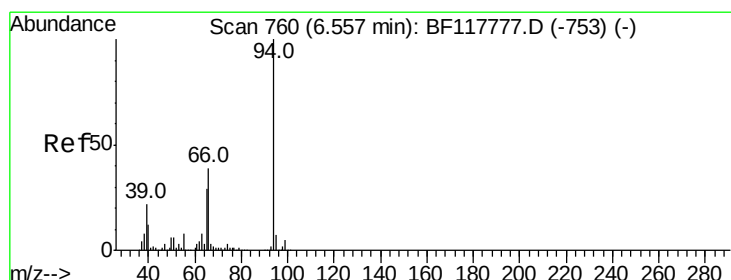
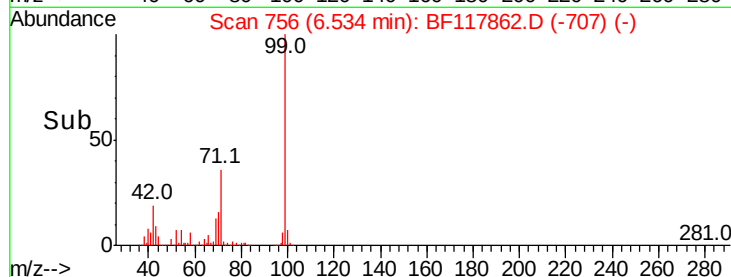
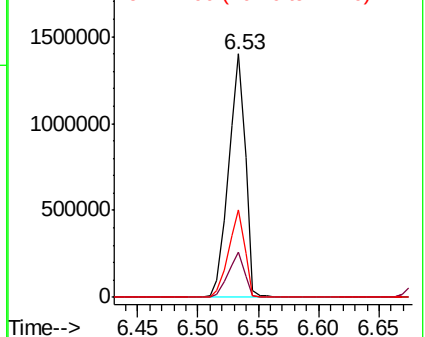
99 100

42 18.5 14.9 22.3

71 35.8 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



#10

Phenol

Concen: 3.671 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

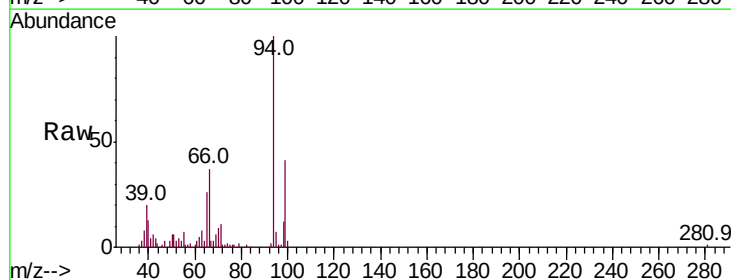
Tgt Ion: 94 Resp: 58374

Ion Ratio Lower Upper

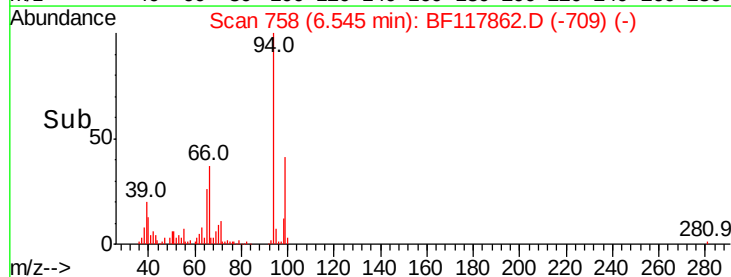
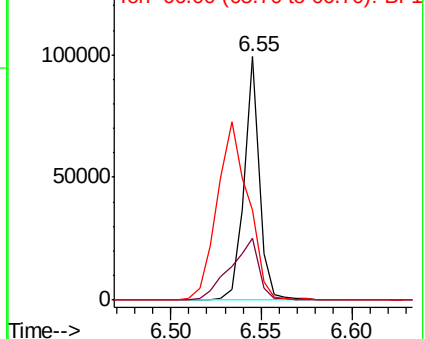
94 100

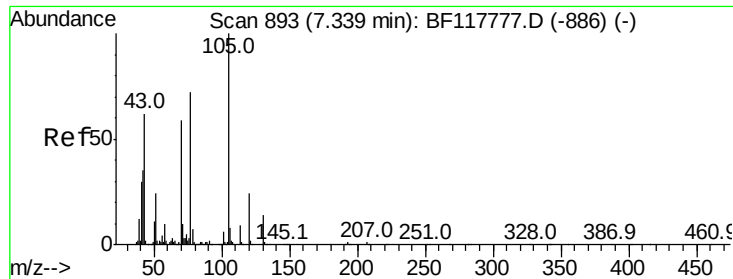
65 25.6 8.9 48.9

66 36.9 18.7 58.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

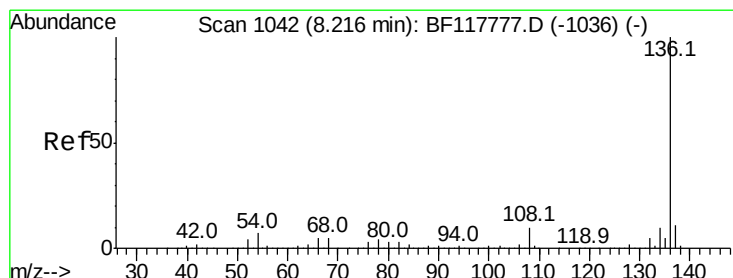
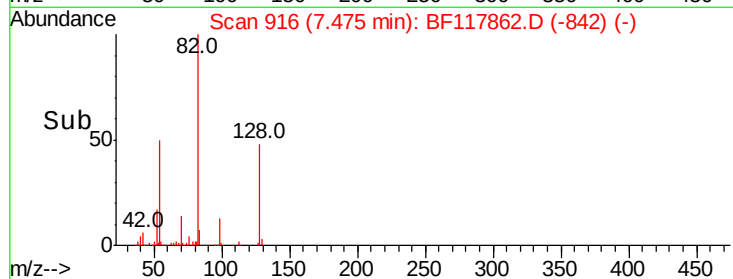
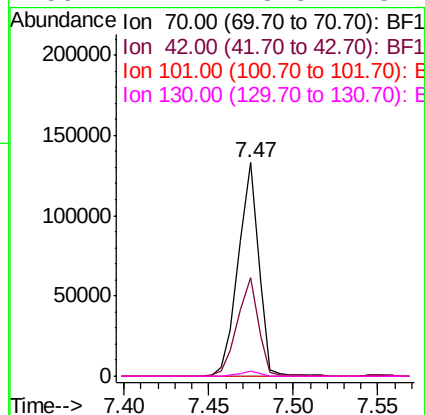
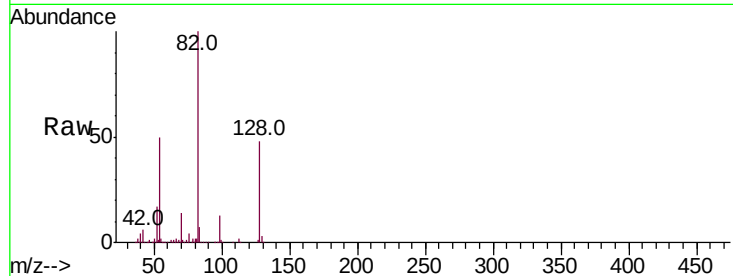




#19
n-Nitroso-di-n-propylamine
Concen: 11.919 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

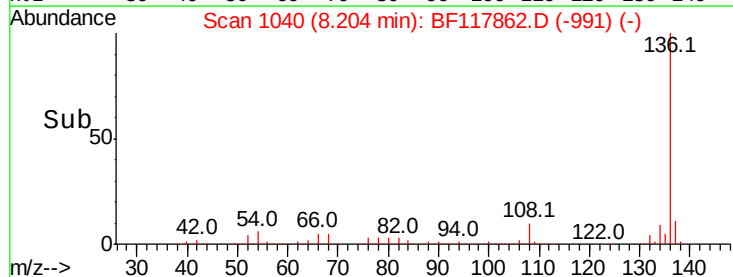
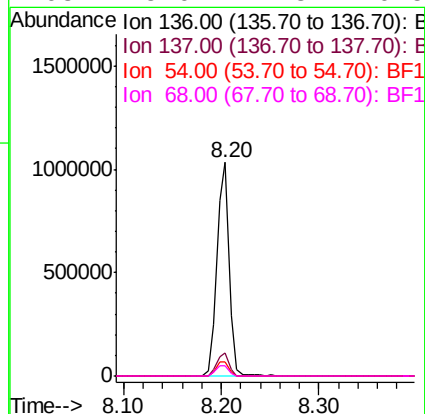
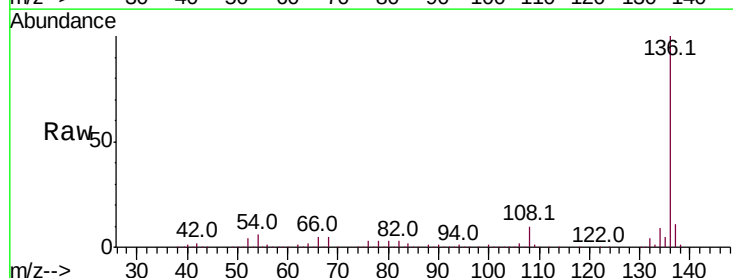
Instrument :
BNA_F
ClientSampleId :

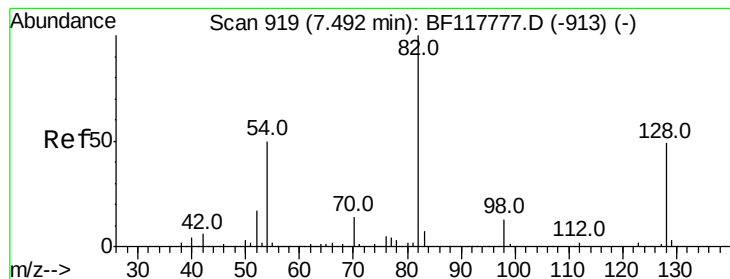
Tot Ion: 70 Resp: 112526
Ion Ratio Lower Upper
70 100
42 46.2 47.4 71.2#
101 0.0 8.4 12.6#
130 2.2 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion: 136 Resp: 892006
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.5 5.4 8.2
68 5.0 4.3 6.5





#23

Nitrobenzene-d5

Concen: 55.609 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

ClientSampled :

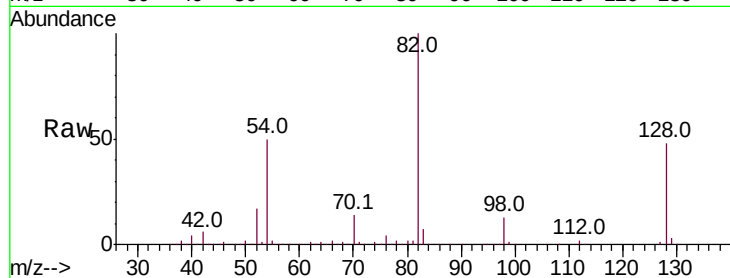
Tot Ion: 82 Resp: 834439

Ion Ratio Lower Upper

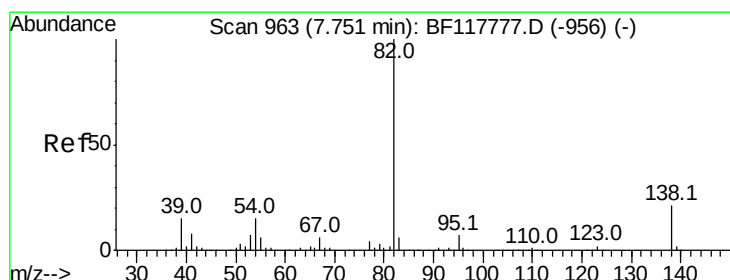
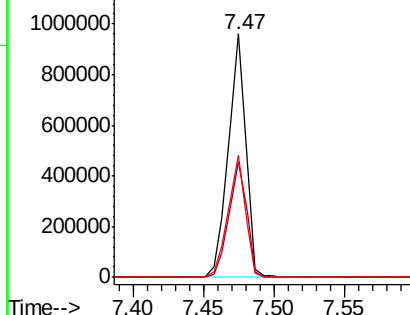
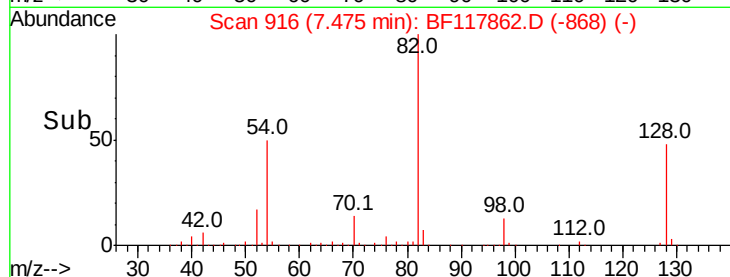
82 100

128 47.6 38.9 58.3

54 50.4 39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 30.090 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

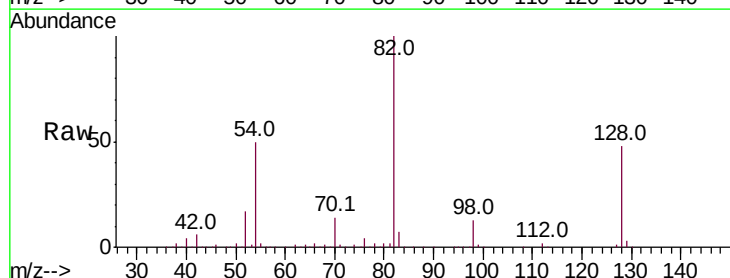
Tgt Ion: 82 Resp: 827553

Ion Ratio Lower Upper

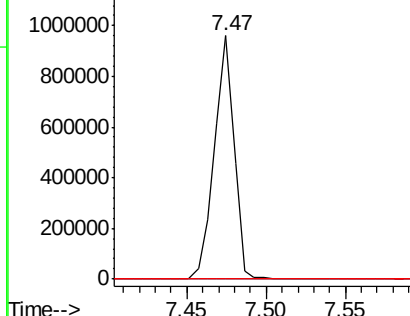
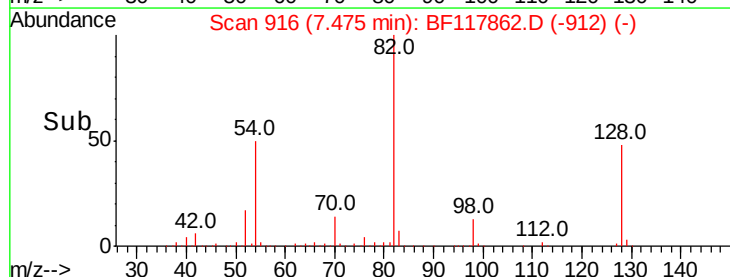
82 100

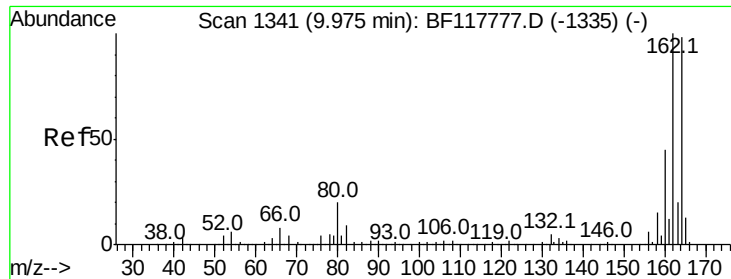
95 0.0 5.8 8.8#

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

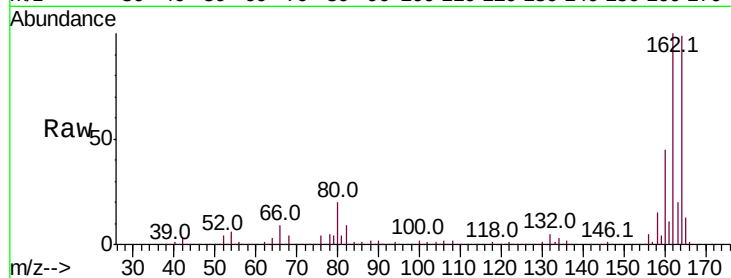




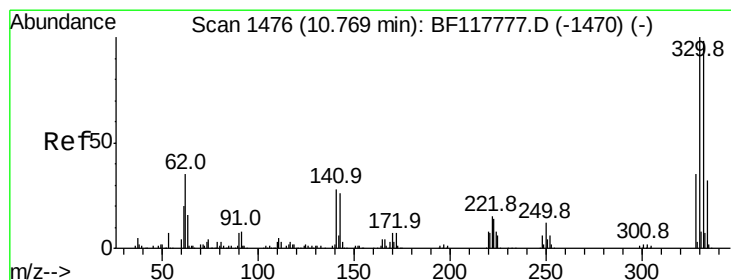
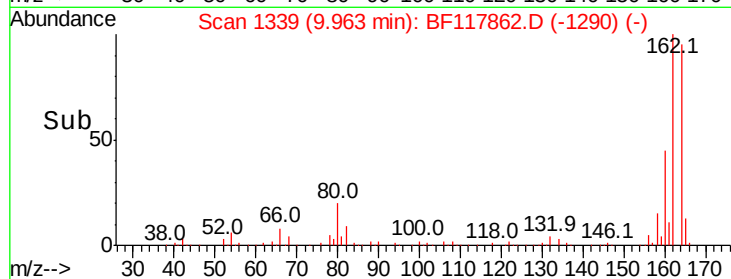
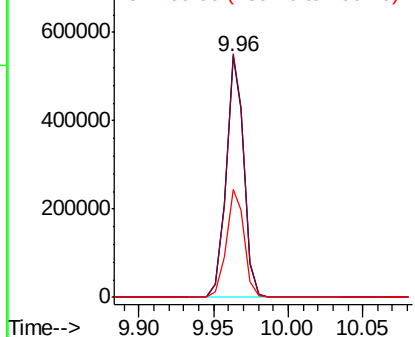
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.3	121.9
160	45.0	36.6	55.0

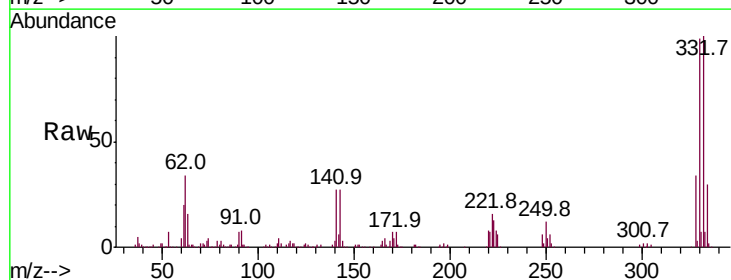


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

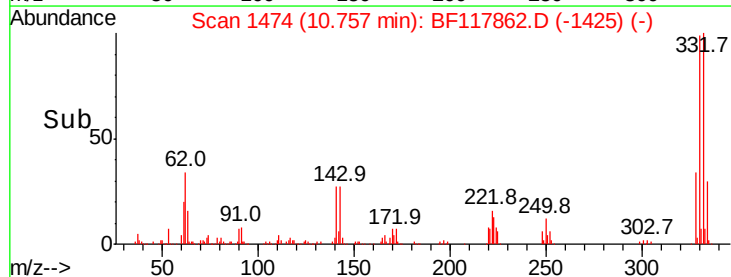
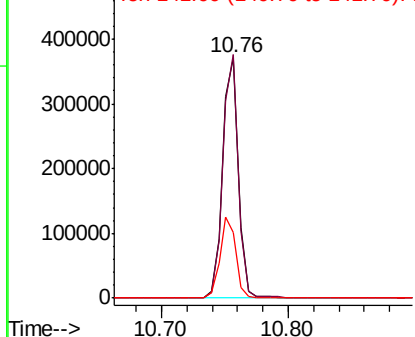


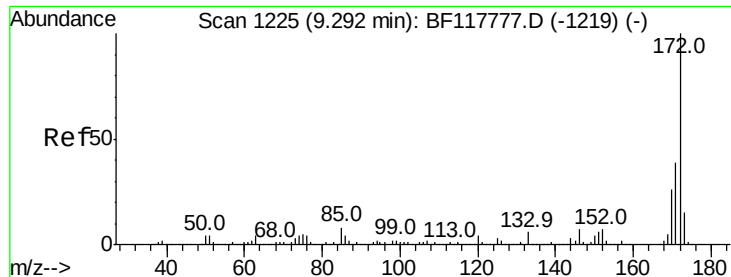
#42
2,4,6-Tribromophenol
Concen: 66.765 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.1	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

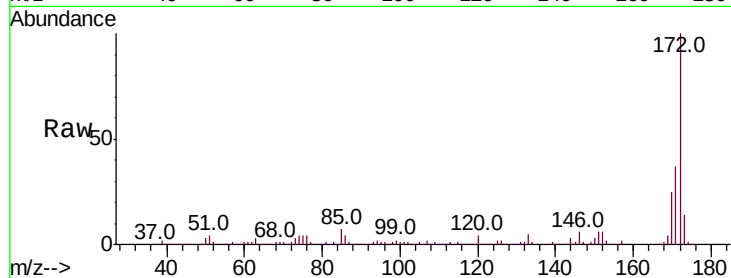




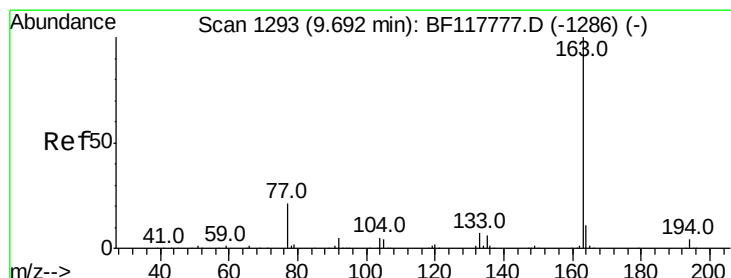
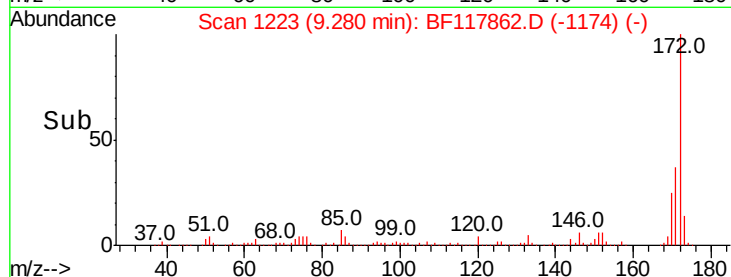
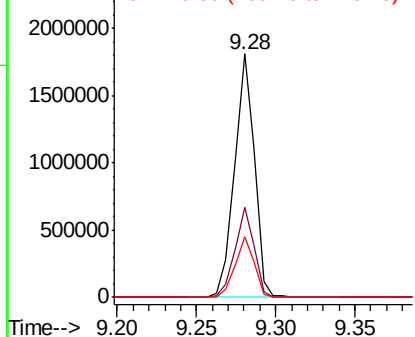
#45
2-Fluorobiphenyl
Concen: 61.434 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1572233
Ion Ratio Lower Upper
172 100
171 36.7 30.9 46.3
170 24.9 21.0 31.4

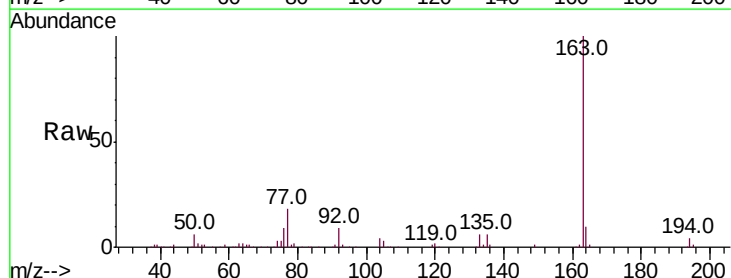


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

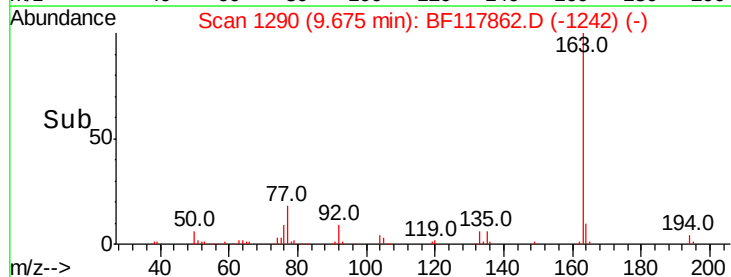
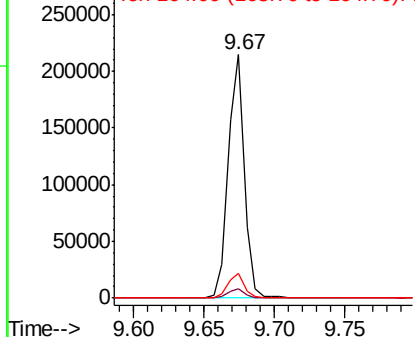


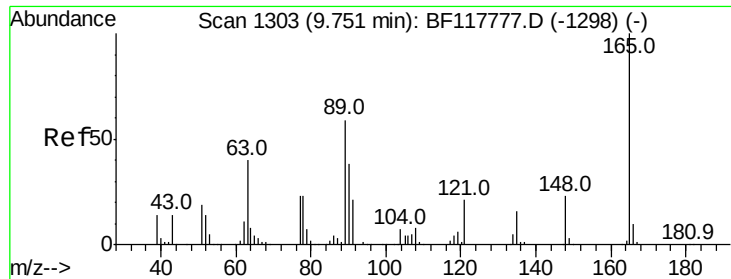
#50
Dimethylphthalate
Concen: 5.285 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion:163 Resp: 170167
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 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

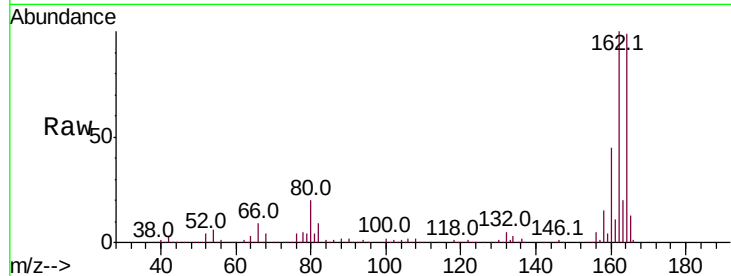




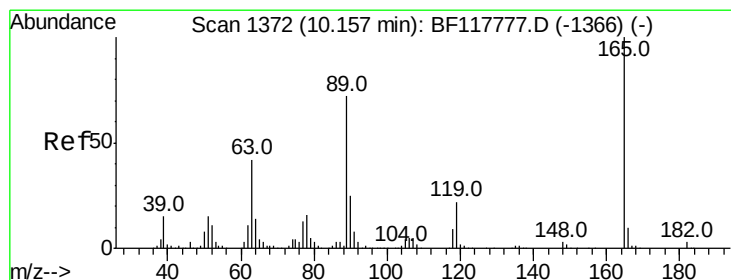
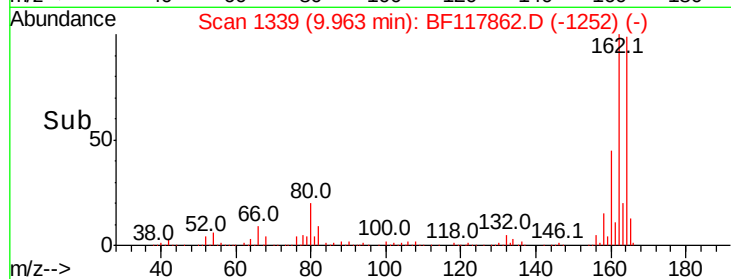
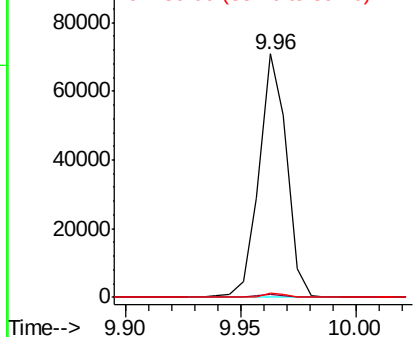
#51
 2,6-Dinitrotoluene
 Concen: 8.403 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.21 min
 Lab File: BF117862.D
 Acq: 19 Nov 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	46.0	69.0#
89	1.5	47.7	71.5#



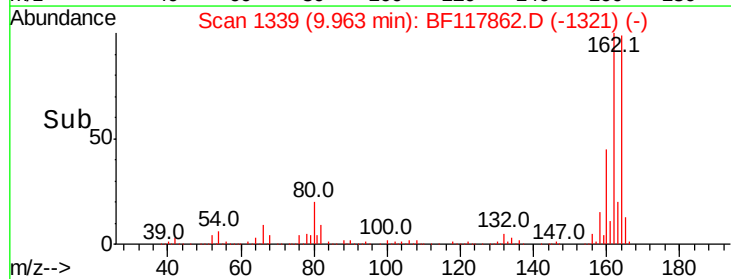
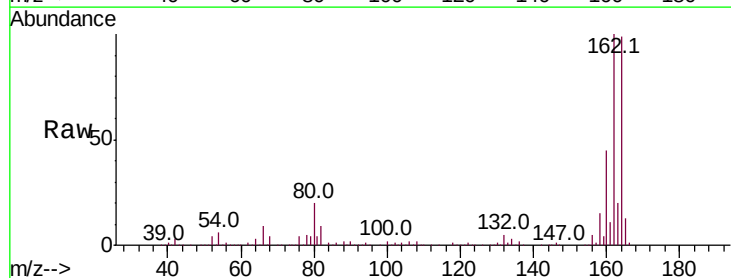
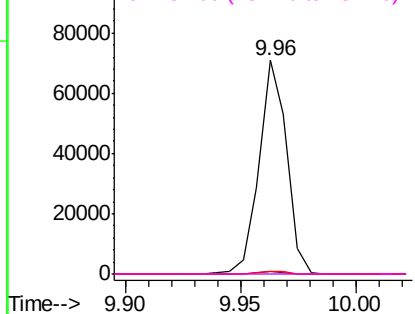
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

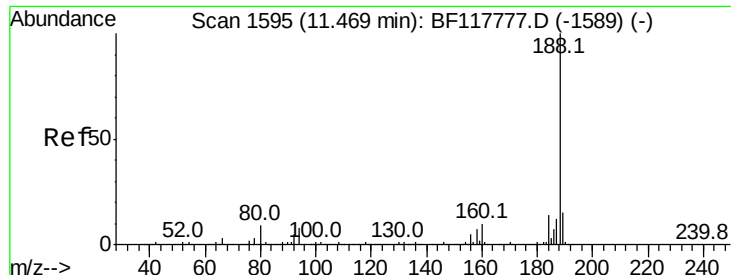


#57
 2,4-Dinitrotoluene
 Concen: 6.606 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.19 min
 Lab File: BF117862.D
 Acq: 19 Nov 2019 16:31

Tgt 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

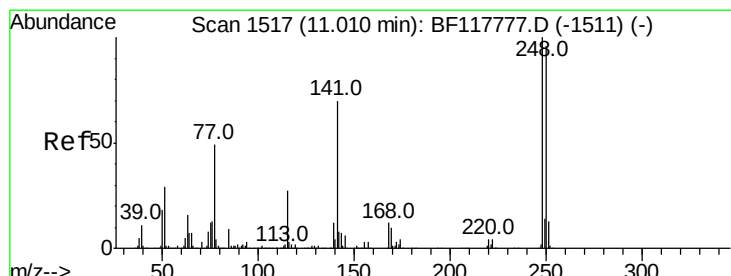
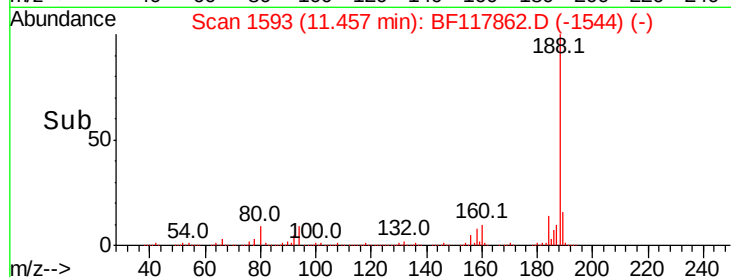
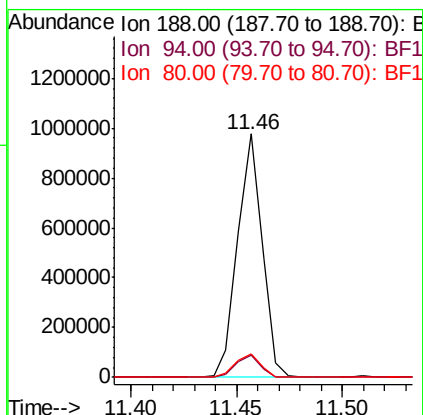
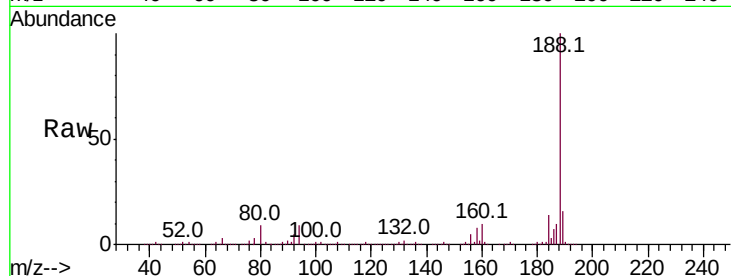




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

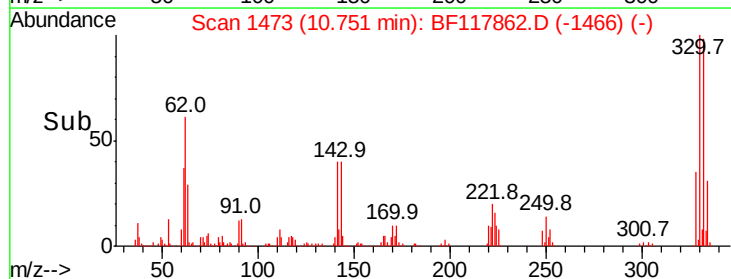
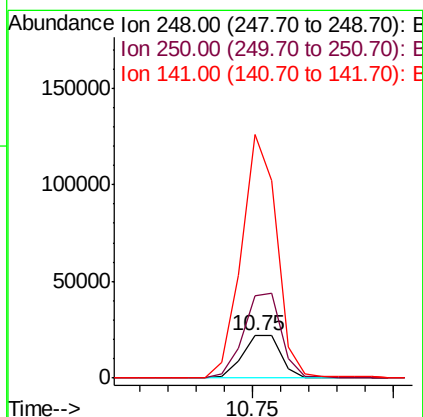
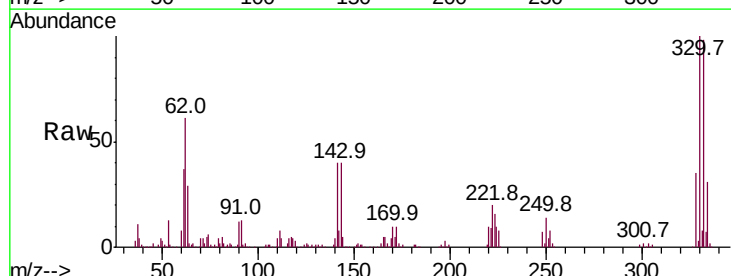
Instrument :
BNA_F
ClientSampleId :

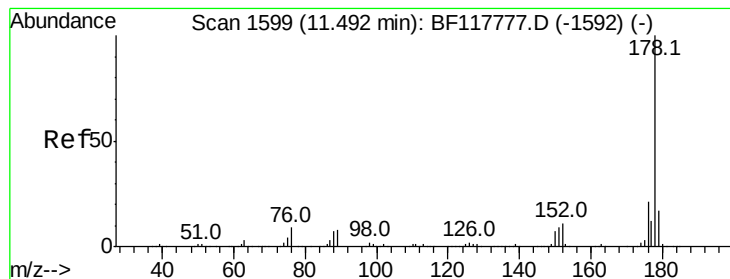
Tot Ion:188 Resp: 785028
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.4 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 2.455 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.26 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion:248 Resp: 20796
Ion Ratio Lower Upper
248 100
250 194.7 76.6 115.0#
141 576.1 55.9 83.9#





#71

Phenanthrene

Concen: 3.152 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

ClientSampleId :

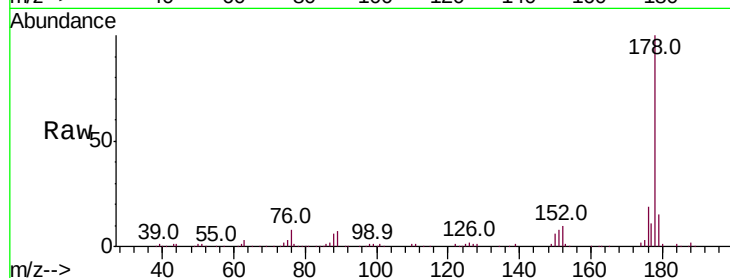
Tot Ion:178 Resp: 124386

Ion Ratio Lower Upper

178 100

176 18.5 16.6 25.0

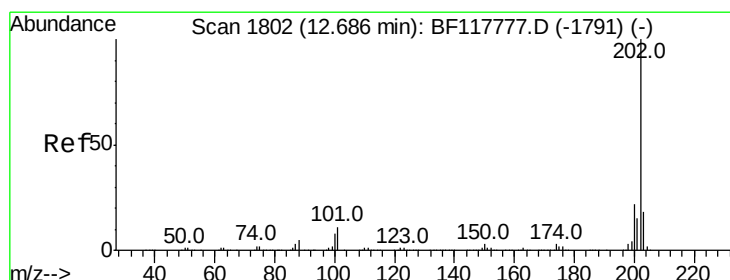
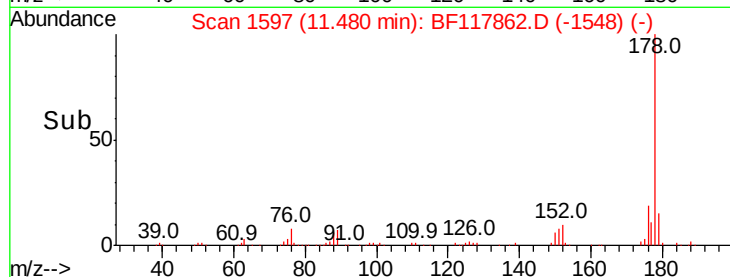
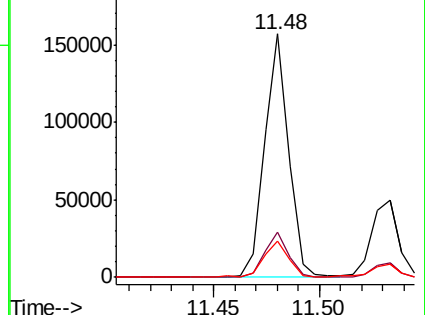
179 14.8 13.2 19.8



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



#75

Fluoranthene

Concen: 7.417 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

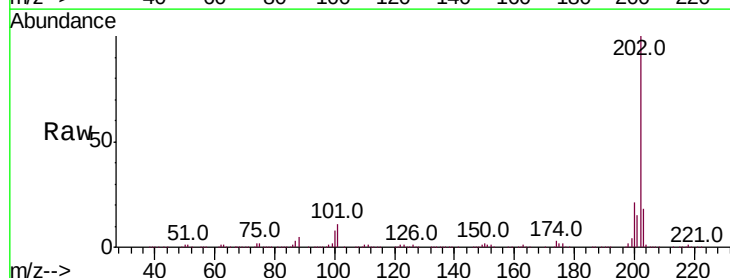
Tgt Ion:202 Resp: 492438

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.1

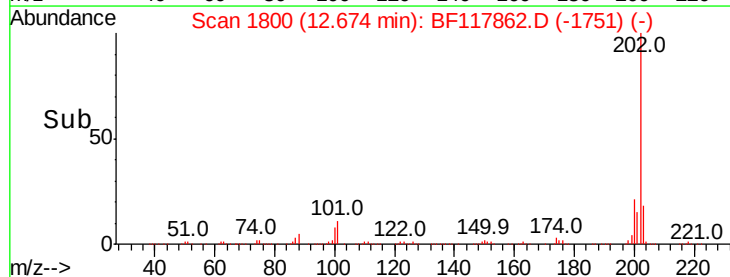
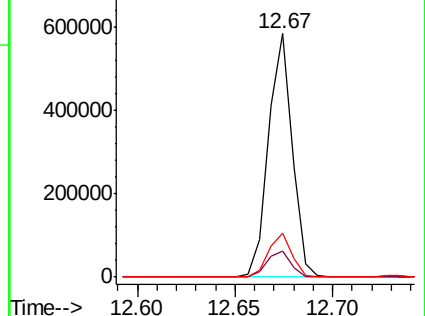
203 17.9 0.0 38.2

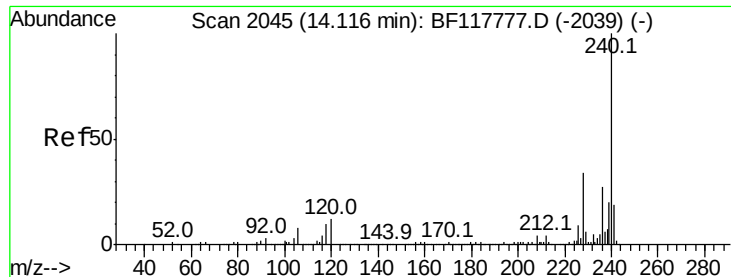


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

ClientSampleId :

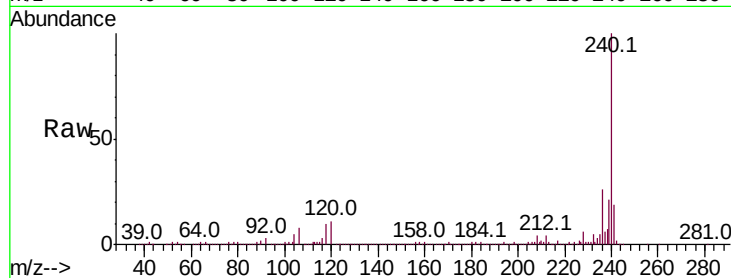
Tot Ion:240 Resp: 494400

Ion Ratio Lower Upper

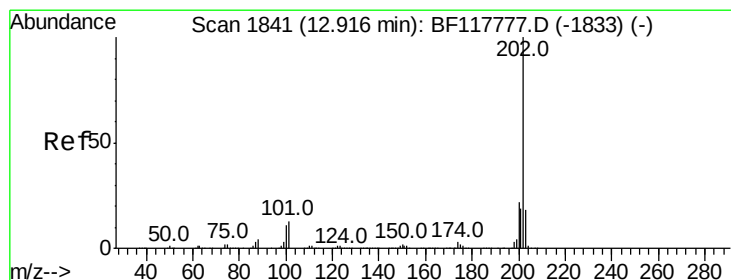
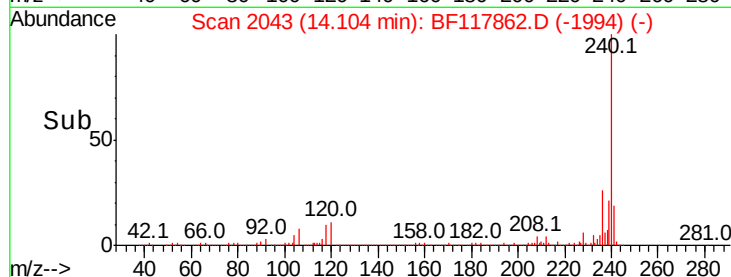
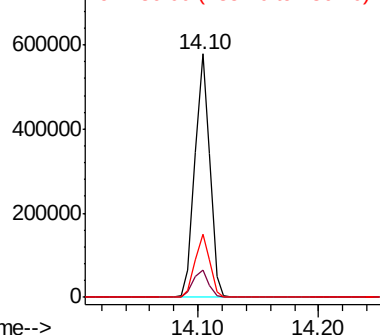
240 100

120 11.1 9.5 14.3

236 26.0 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

Pyrene

Concen: 10.725 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

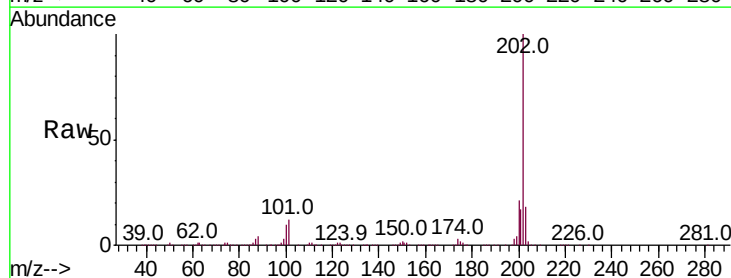
Tgt Ion:202 Resp: 428509

Ion Ratio Lower Upper

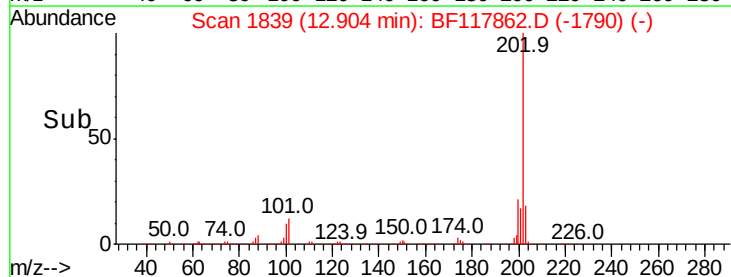
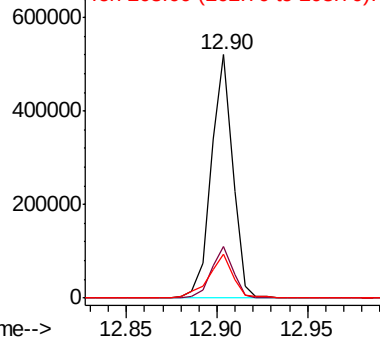
202 100

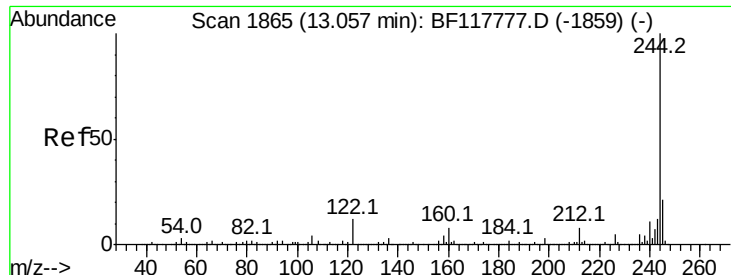
200 21.3 17.8 26.8

203 18.0 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: 53.673 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

ClientSampleId :

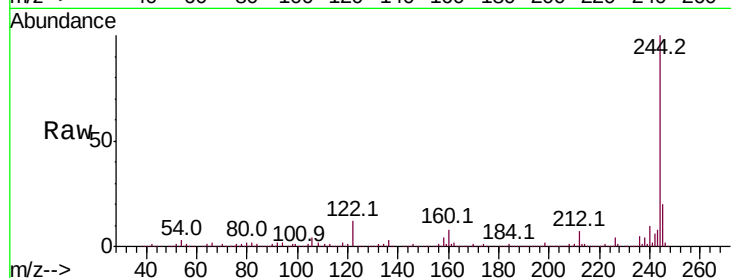
Tot Ion:244 Resp: 1451942

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

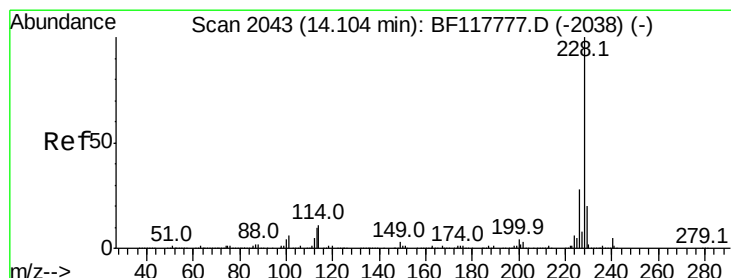
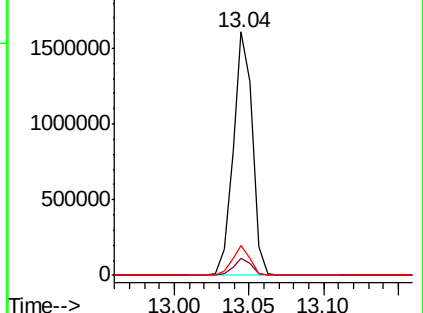
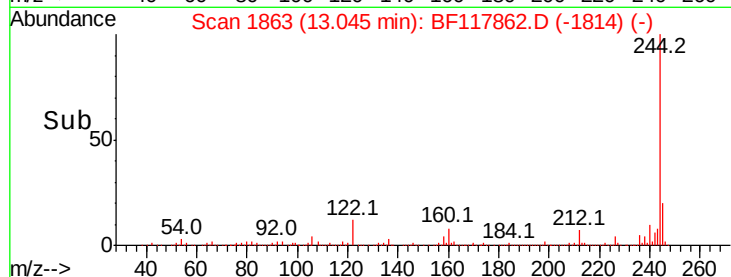
122 12.0 9.4 14.2



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: 5.036 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

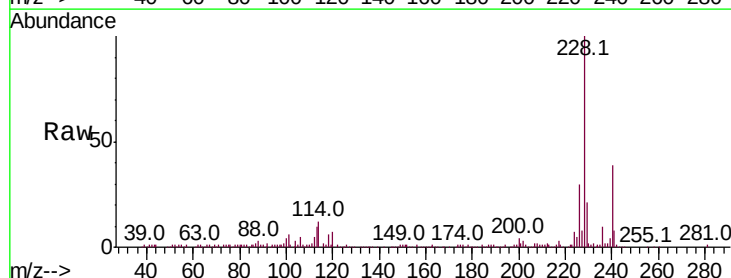
Tgt Ion:228 Resp: 164536

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.2

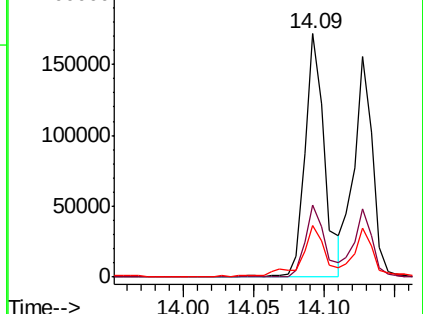
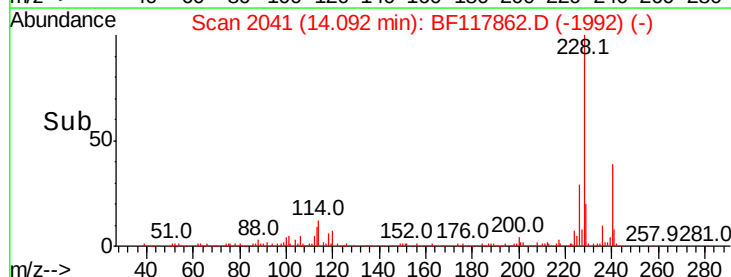
229 21.0 15.9 23.9

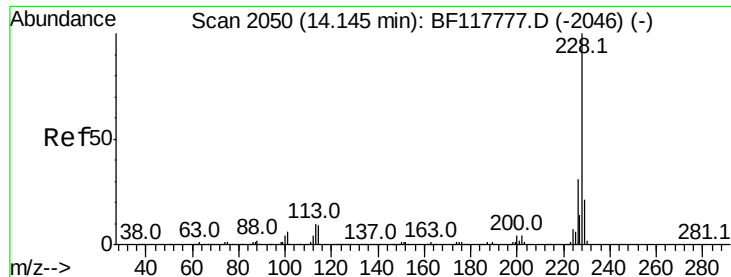


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

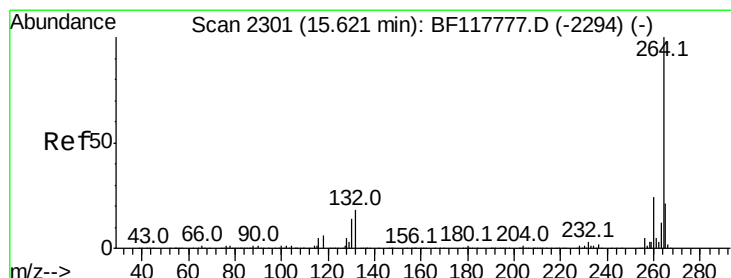
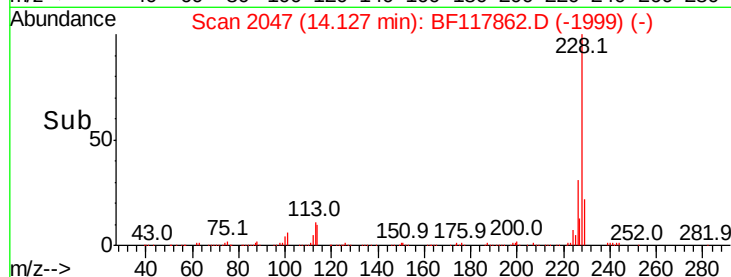
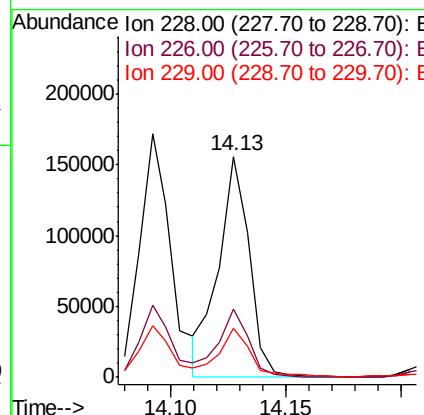
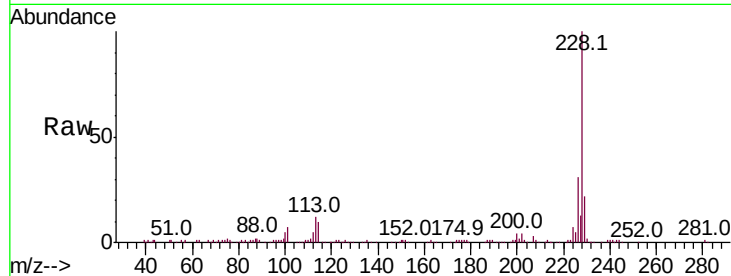




#83
Chrysene
Concen: 4.539 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

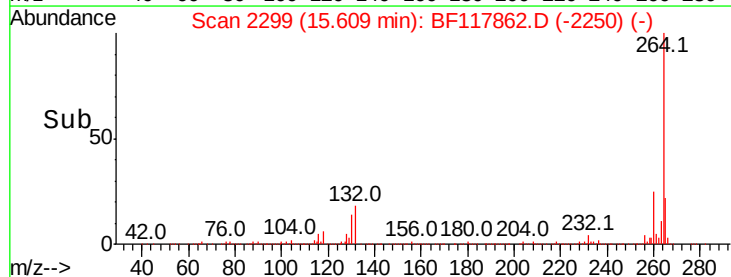
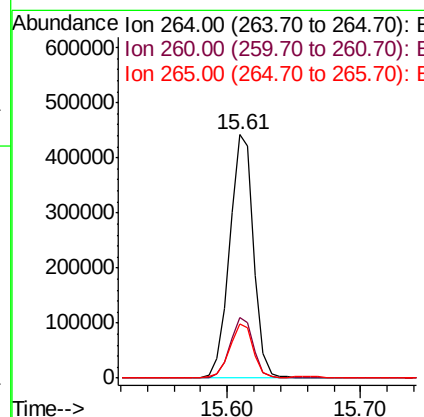
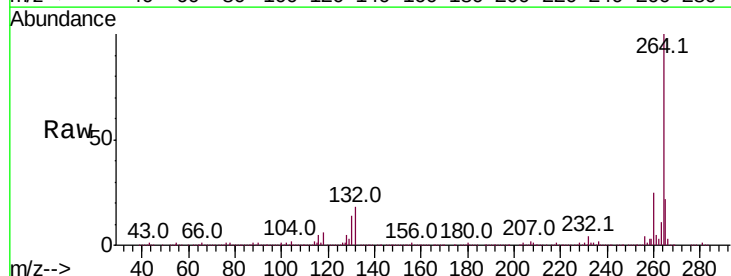
Instrument :
BNA_F
ClientSampleId :

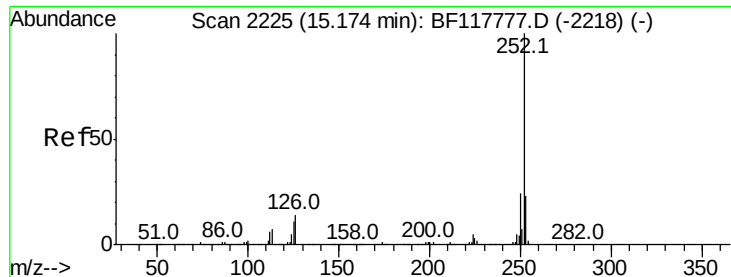
Tot Ion:	228	Resp:	143696
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	22.4	16.6	25.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion:	264	Resp:	559940
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	22.0	17.1	25.7

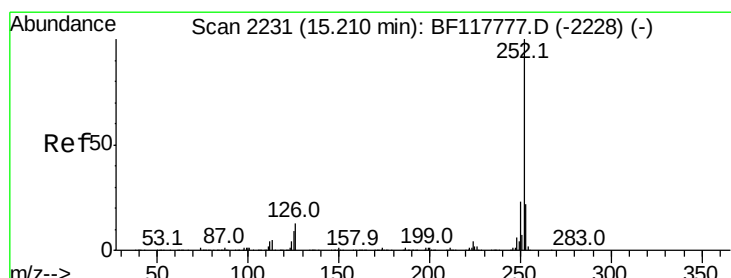
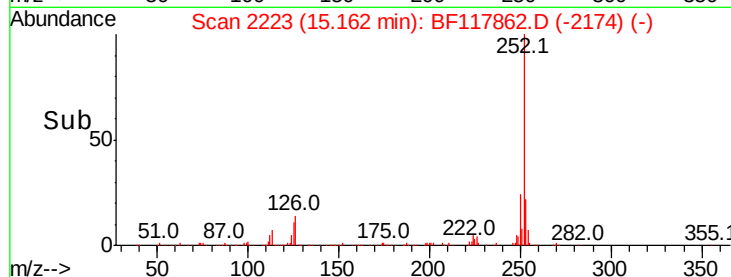
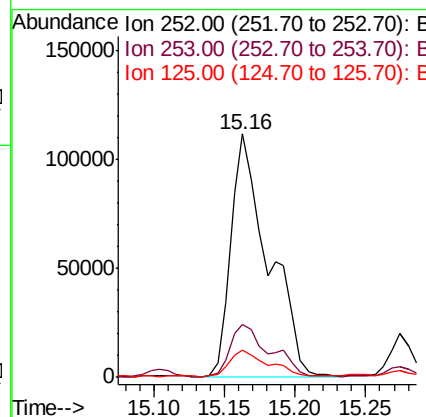
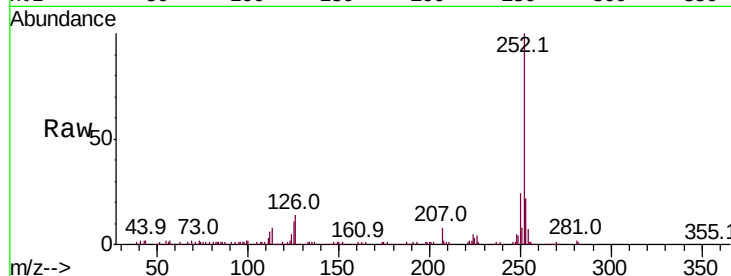




#88
Benzo(b)fluoranthene
Concen: 5.663 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

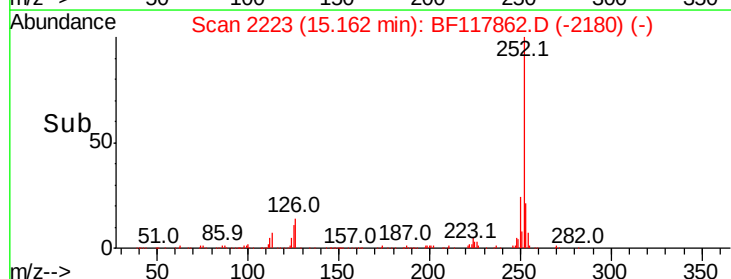
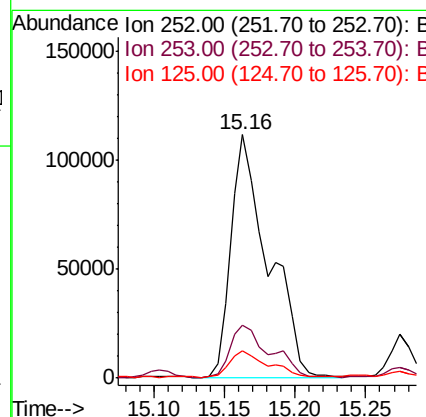
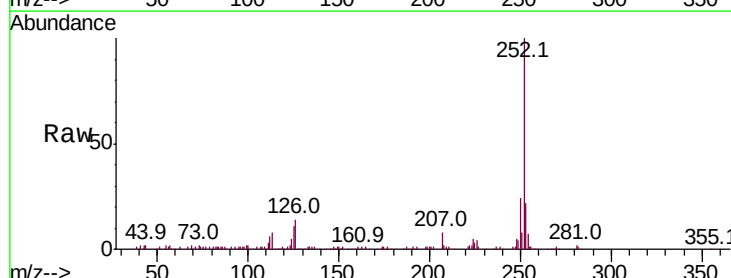
Instrument :
BNA_F
ClientSampleId :

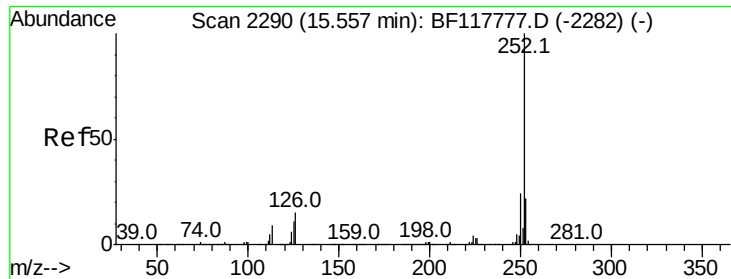
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	11.4	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 6.010 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.4	7.9	11.9





#90

Benzo(a)pyrene

Concen: 2.899 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 92730

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 11.9 9.2 13.8

