

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117868.D
 Acq On : 19 Nov 2019 19:14
 Operator : JU
 Sample : K5904-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:32:00 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	212052	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	871390	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	441799	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	767384	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	488841	20.00	ng	-0.01
87) Perylene-d12	15.61	264	520914	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	208750	17.43	ng	-0.01
7) Phenol-d6	6.53	99	1031146	71.36	ng	-0.01
23) Nitrobenzene-d5	7.47	82	864056	58.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	19940	4.26	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	1553159	63.07	ng	-0.01
79) Terphenyl-d14	13.04	244	1439172	53.81	ng	-0.01

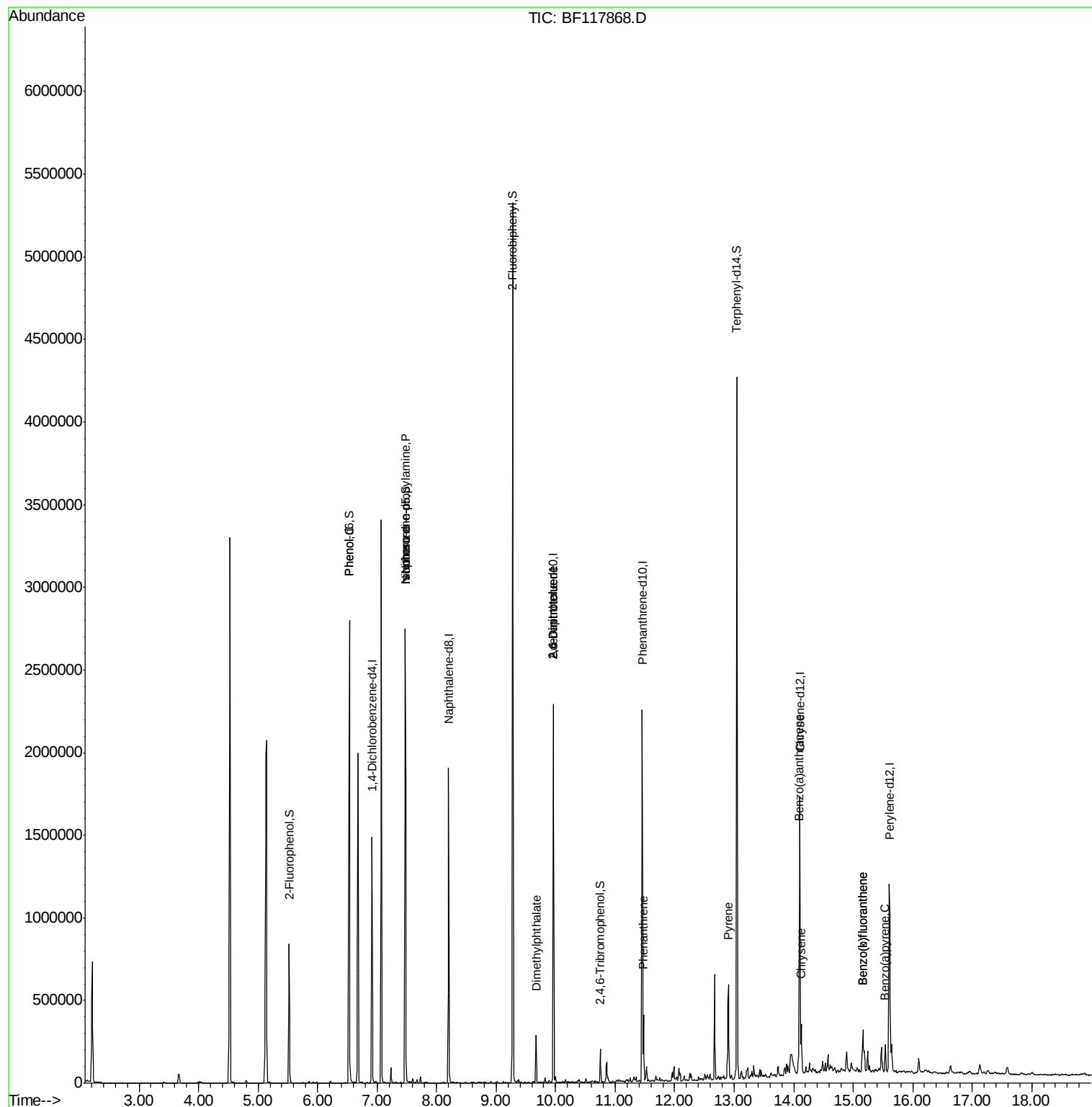
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	2152	Below Cal		# 1
10) Phenol	6.54	94	37303	2.484	ng	89
19) n-Nitroso-di-n-propylamine	7.47	70	117262	13.155	ng	# 75
25) Isophorone	7.47	82	857841	31.929	ng	# 62
50) Dimethylphthalate	9.67	163	116944	3.775	ng	98
51) 2,6-Dinitrotoluene	9.96	165	57536	8.497	ng	# 23
57) 2,4-Dinitrotoluene	9.96	165	57536	6.680	ng	# 24
71) Phenanthrene	11.48	178	137080	3.553	ng	95
75) Fluoranthene	12.67	202	243100	Below Cal		98
78) Pyrene	12.90	202	232334	5.881	ng	96
81) Benzo(a)anthracene	14.09	228	110712	3.427	ng	99
83) Chrysene	14.13	228	107600	3.437	ng	97
88) Benzo(b)fluoranthene	15.16	252	192024	5.674	ng	98
89) Benzo(k)fluoranthene	15.16	252	192024	6.022	ng	97
90) Benzo(a)pyrene	15.54	252	80705	2.712	ng	98

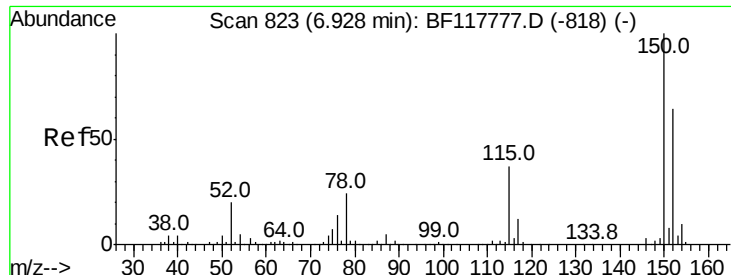
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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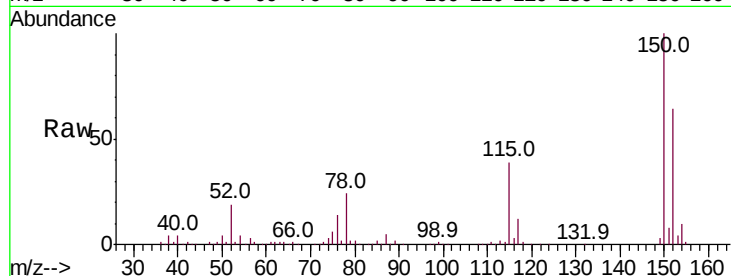


#1

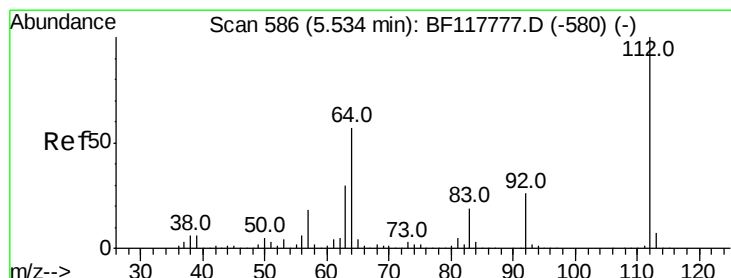
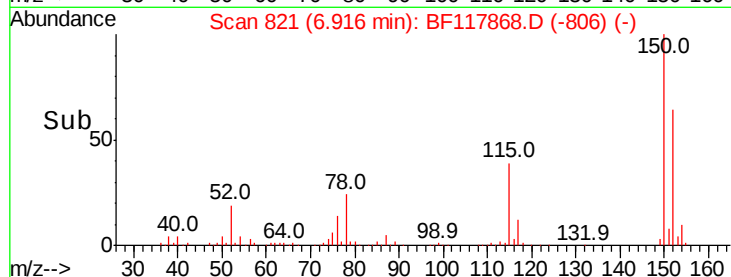
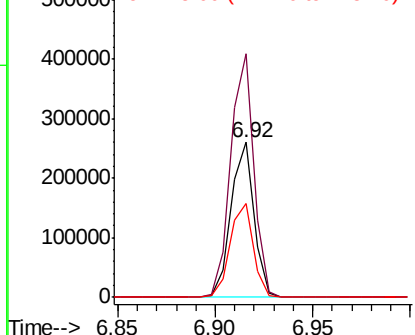
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 212052
Ion Ratio Lower Upper
152 100
150 157.1 125.3 187.9
115 60.6 47.0 70.4



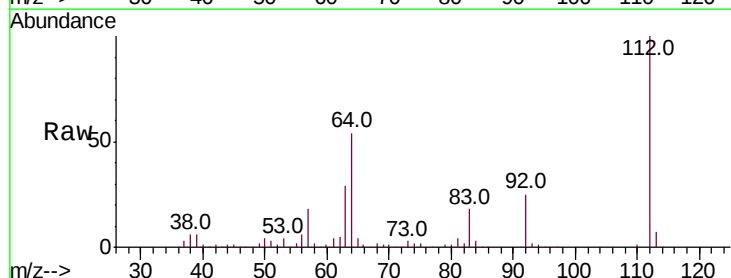
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



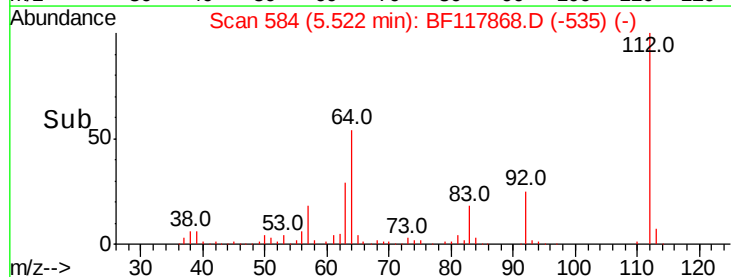
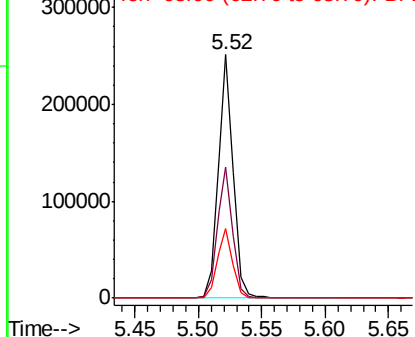
#5

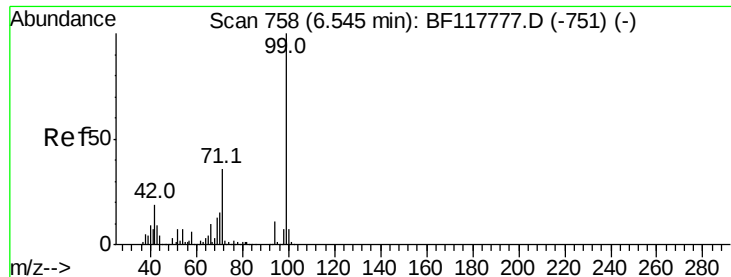
2-Fluorophenol
Concen: 17.425 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion:112 Resp: 208750
Ion Ratio Lower Upper
112 100
64 53.9 45.6 68.4
63 28.8 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: 71.363 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

Instrument :

BNA_F

ClientSampleId :

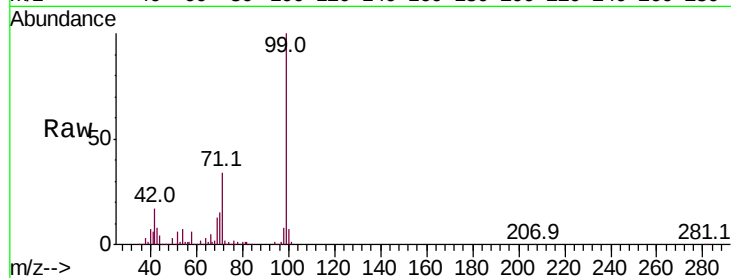
Tot Ion: 99 Resp: 1031146

Ion Ratio Lower Upper

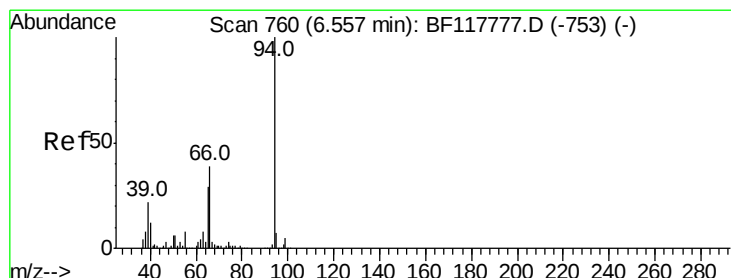
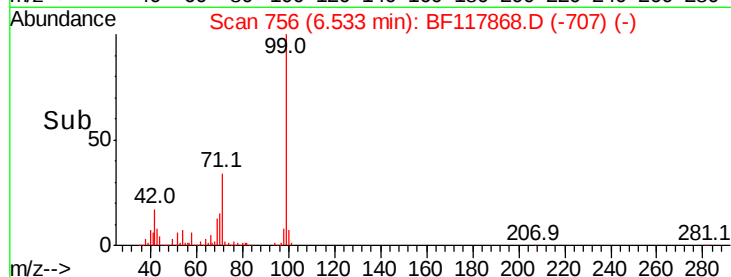
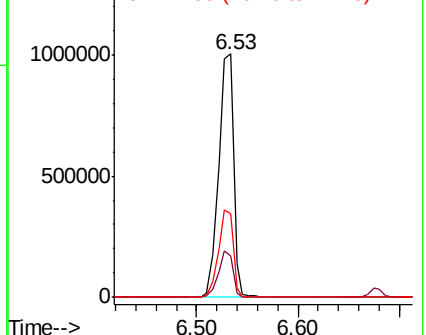
99 100

42 17.1 14.9 22.3

71 34.3 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: 2.484 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

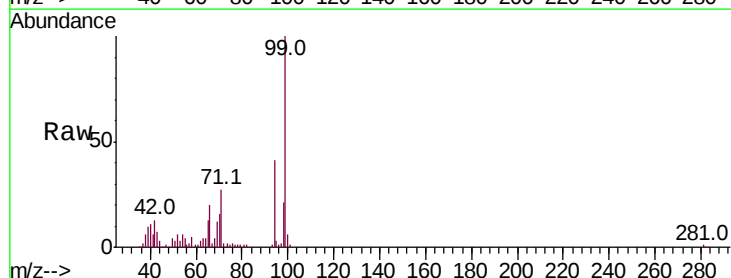
Tgt Ion: 94 Resp: 37303

Ion Ratio Lower Upper

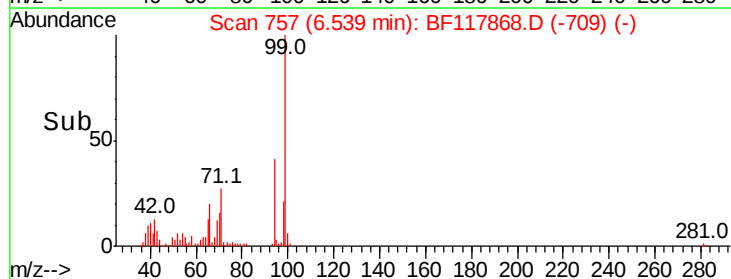
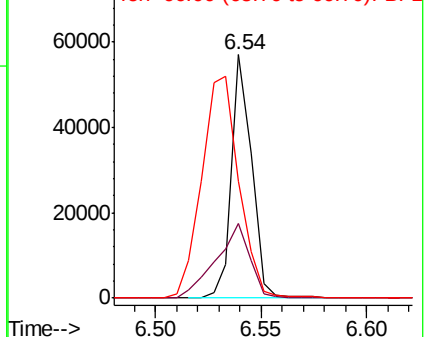
94 100

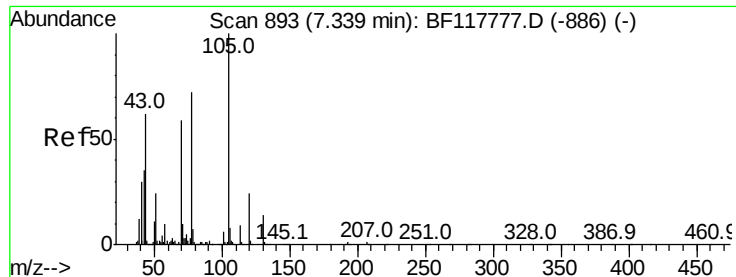
65 30.9 8.9 48.9

66 48.2 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

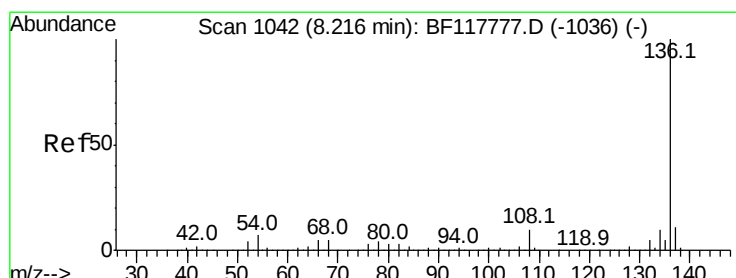
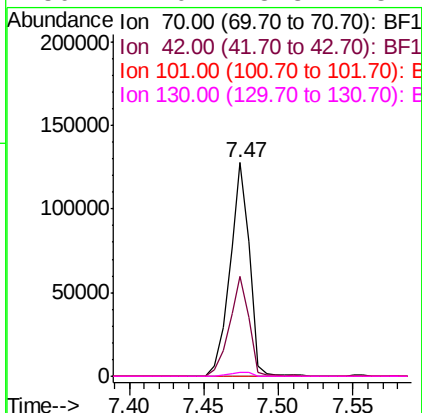
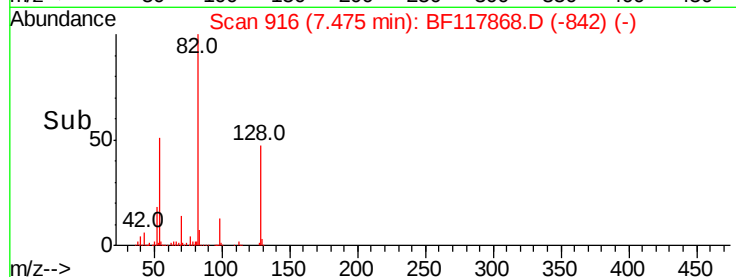
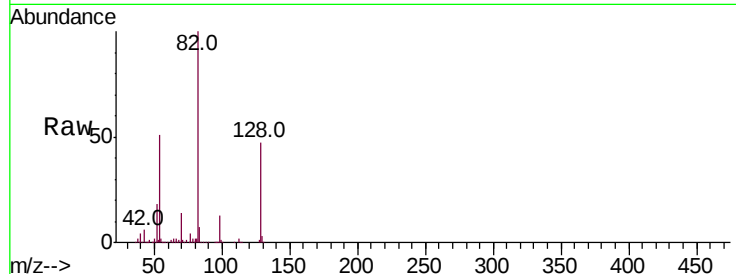




#19
n-Nitroso-di-n-propylamine
Concen: 13.155 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

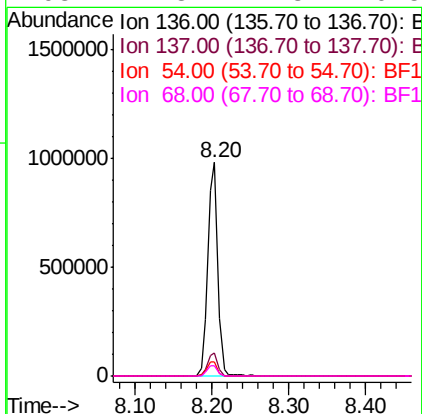
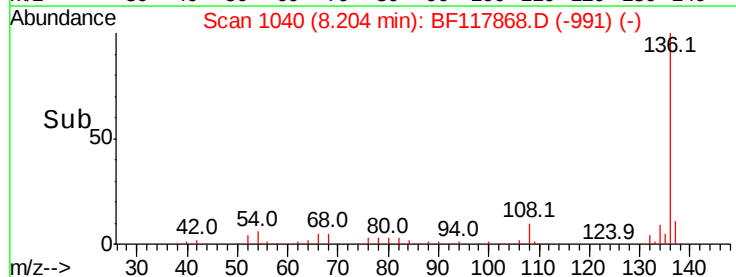
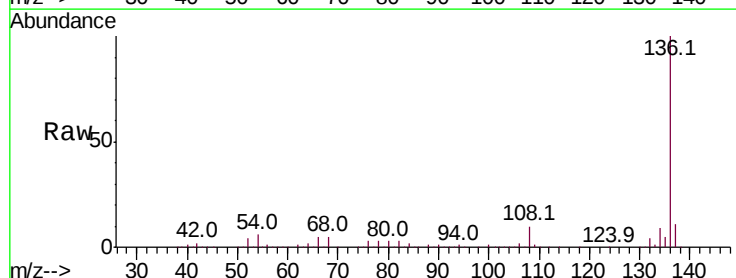
Instrument :
BNA_F
ClientSampleId :

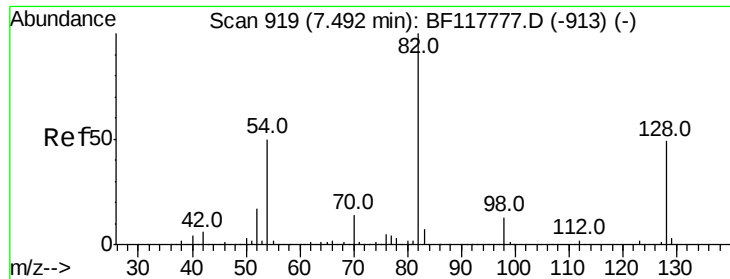
Tot Ion: 70 Resp: 117262
Ion Ratio Lower Upper
70 100
42 46.9 47.4 71.2#
101 0.0 8.4 12.6#
130 2.0 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion: 136 Resp: 871390
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.4 5.4 8.2
68 4.8 4.3 6.5

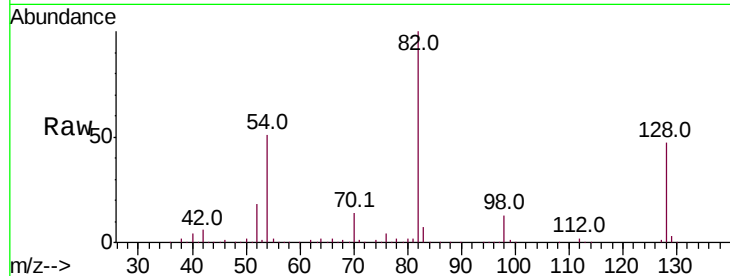




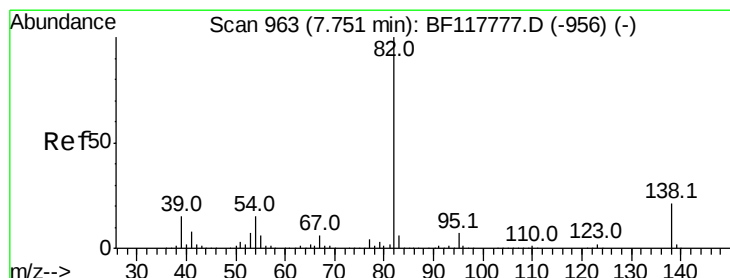
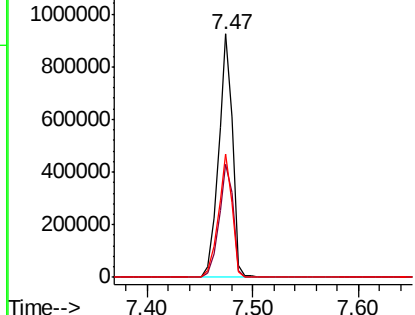
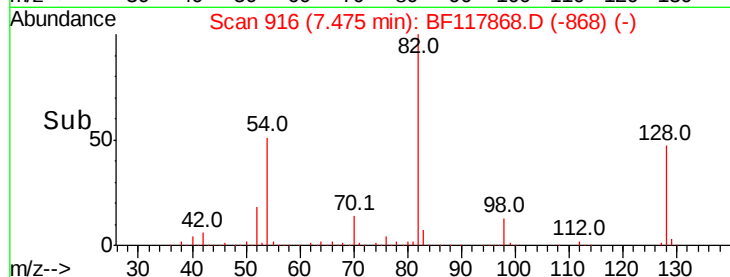
#23
 Nitrobenzene-d5
 Concen: 58.946 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: BF117868.D
 Acq: 19 Nov 2019 19:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	38.9	58.3
54	50.8	39.8	59.6

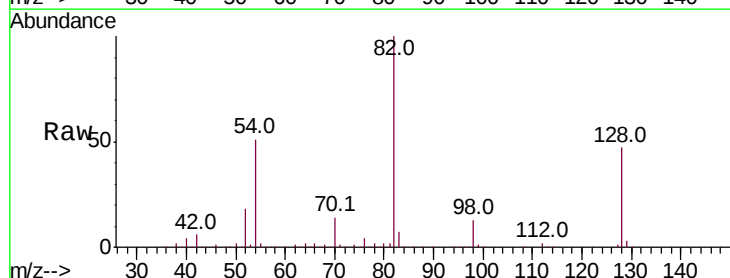


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

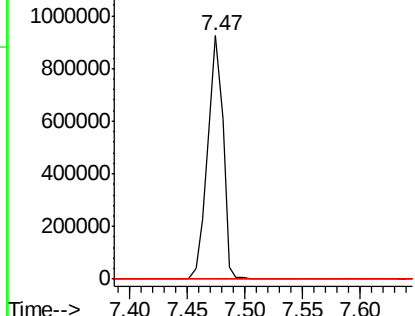
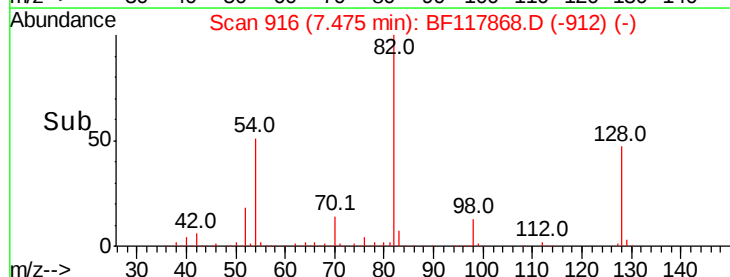


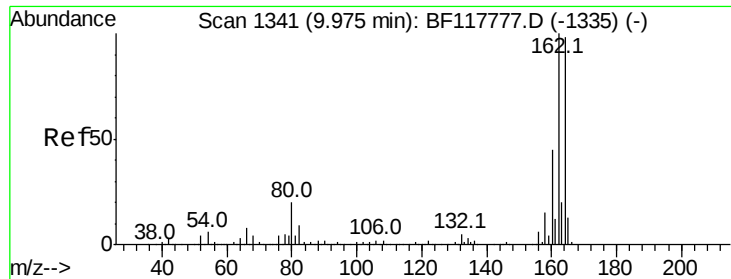
#25
 Isophorone
 Concen: 31.929 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.28 min
 Lab File: BF117868.D
 Acq: 19 Nov 2019 19:14

Tgt 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

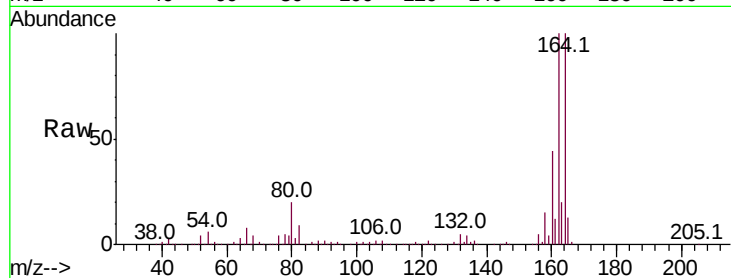




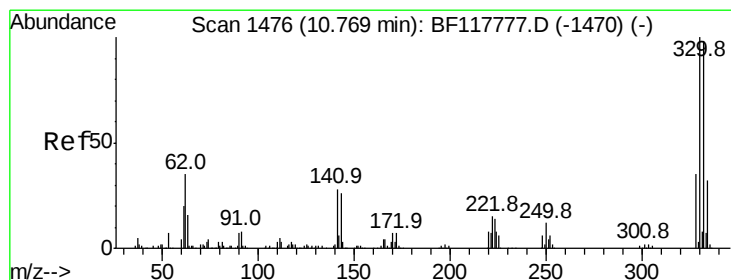
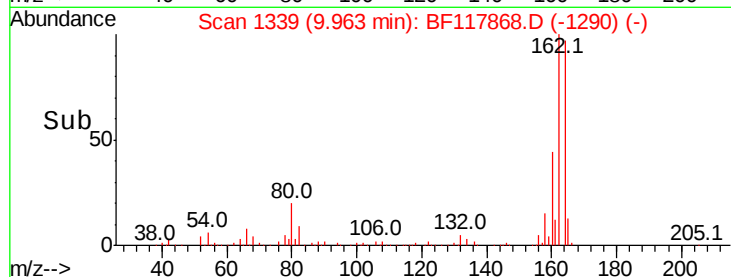
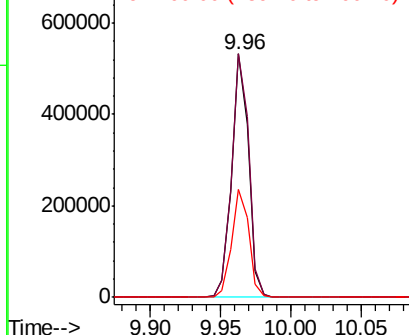
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 441799
Ion Ratio Lower Upper
164 100
162 100.0 81.3 121.9
160 44.3 36.6 55.0

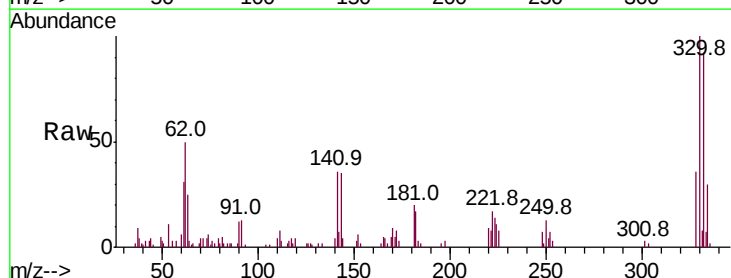


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

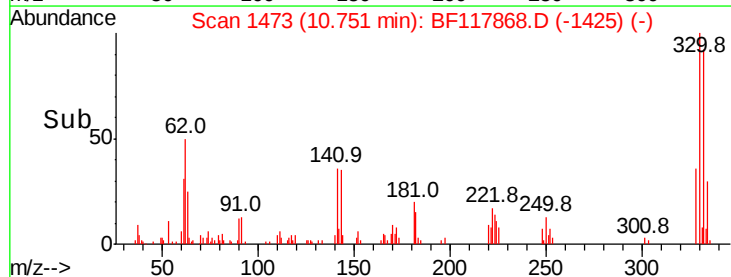
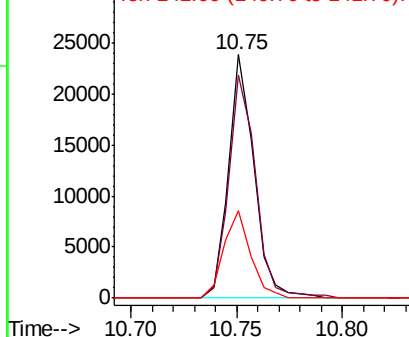


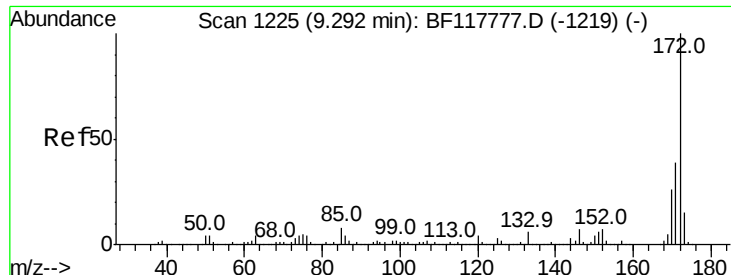
#42
2,4,6-Tribromophenol
Concen: 4.263 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion:330 Resp: 19940
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 37.8 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

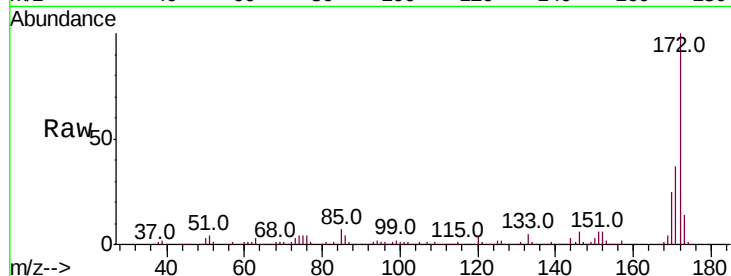




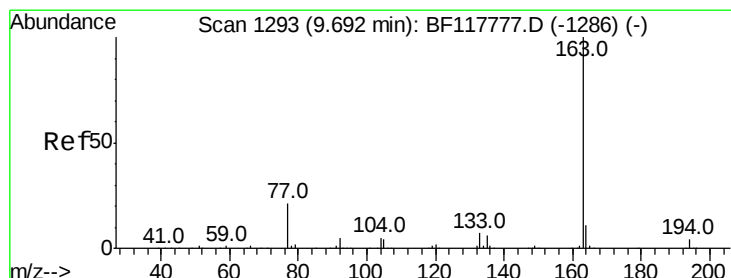
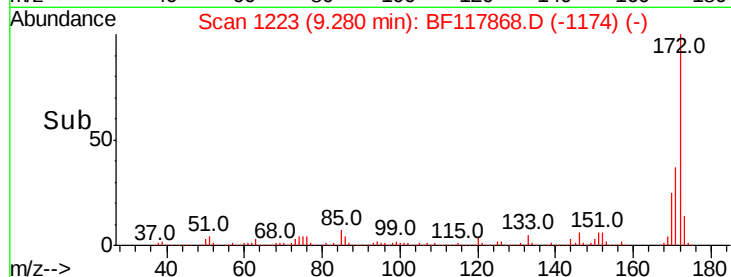
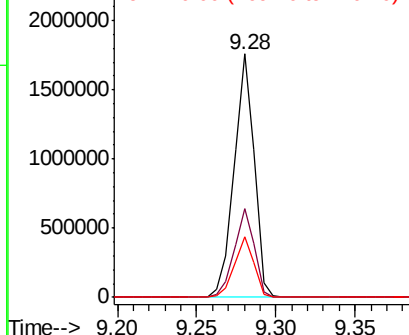
#45
2-Fluorobiphenyl
Concen: 63.070 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1553159
Ion Ratio Lower Upper
172 100
171 36.6 30.9 46.3
170 24.9 21.0 31.4

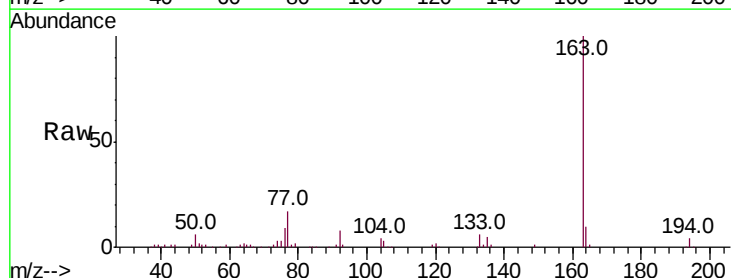


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

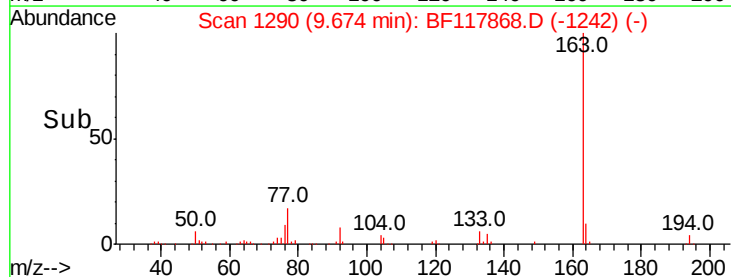
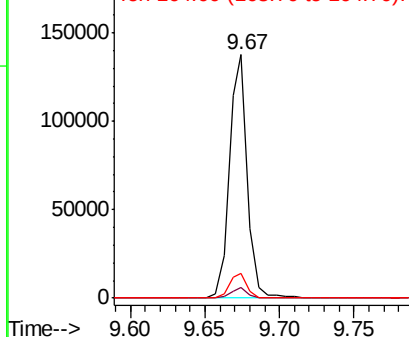


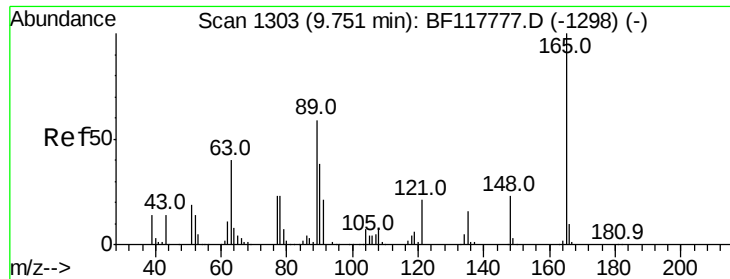
#50
Dimethylphthalate
Concen: 3.775 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion:163 Resp: 116944
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.2 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

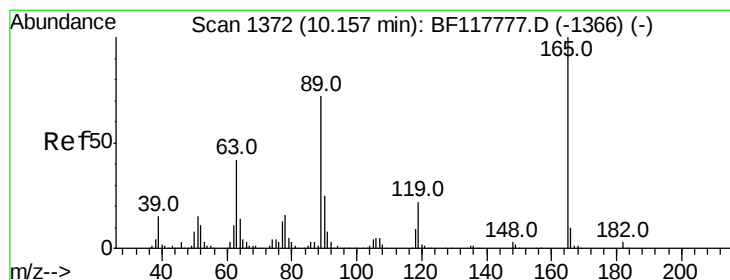
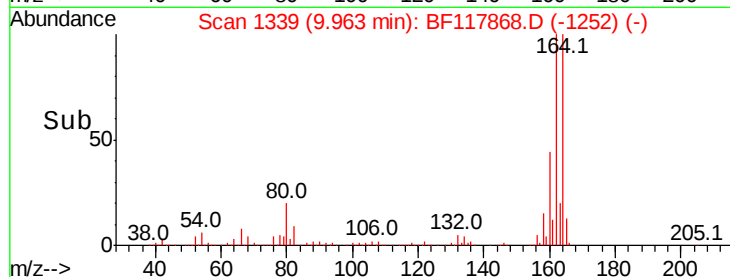
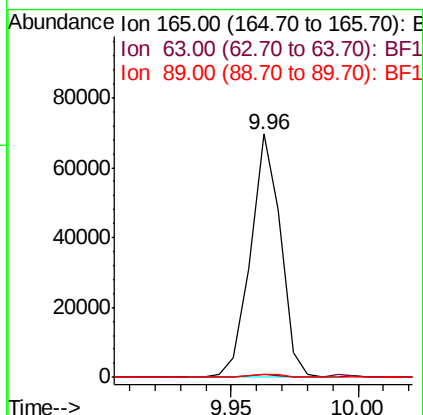
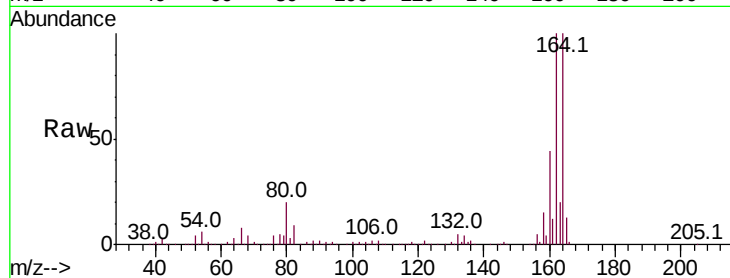




#51
 2,6-Dinitrotoluene
 Concen: 8.497 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.21 min
 Lab File: BF117868.D
 Acq: 19 Nov 2019 19:14

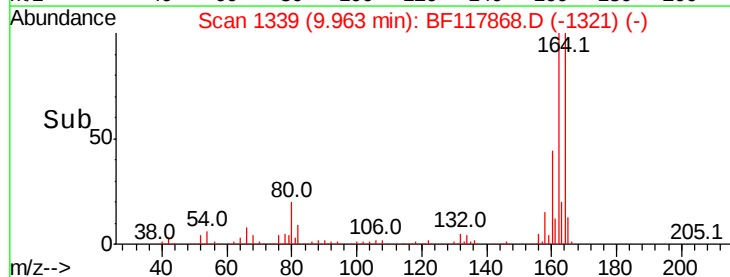
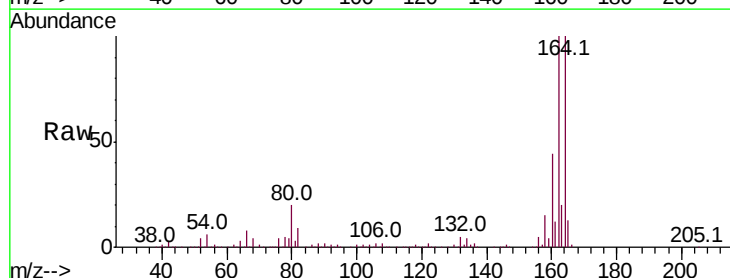
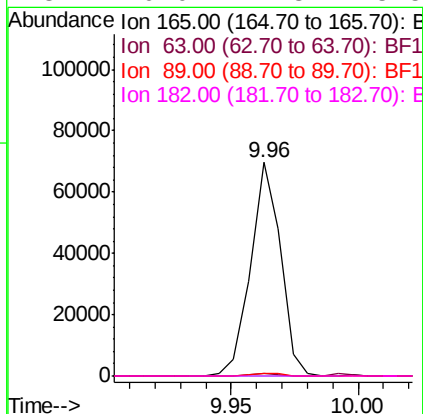
Instrument :
 BNA_F
 ClientSampleId :

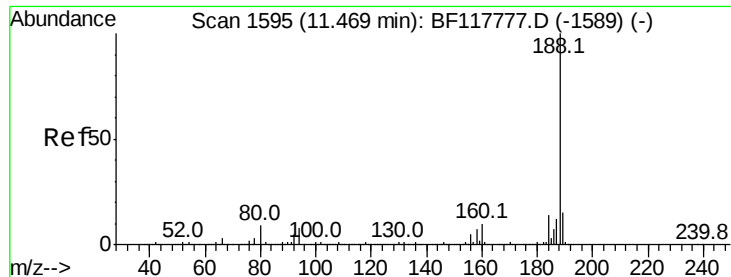
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	46.0	69.0#
89	1.3	47.7	71.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.680 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.19 min
 Lab File: BF117868.D
 Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.7	50.5#
89	1.3	57.3	85.9#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

Instrument :

BNA_F

ClientSampleId :

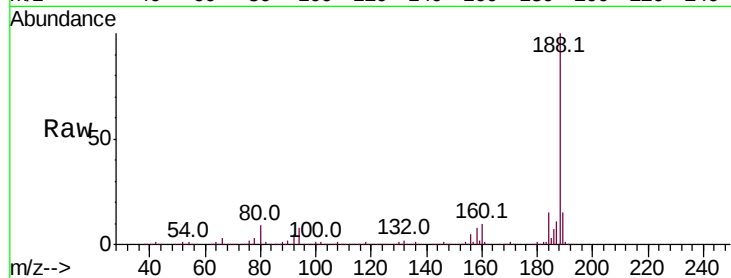
Tot Ion:188 Resp: 767384

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

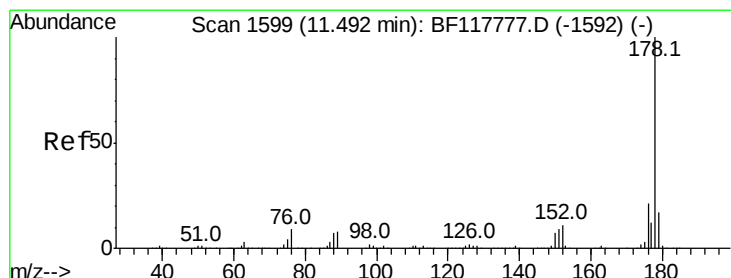
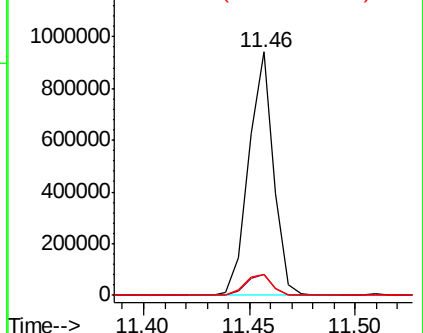
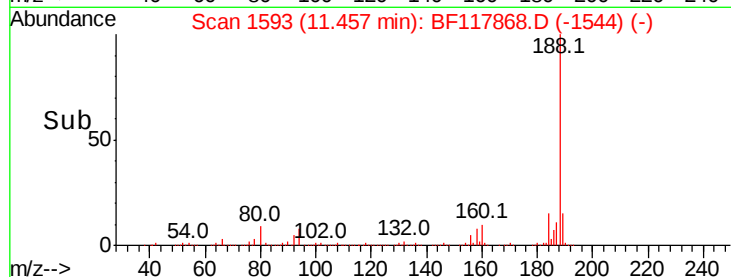
80 8.8 7.2 10.8



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



#71

Phenanthrene

Concen: 3.553 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

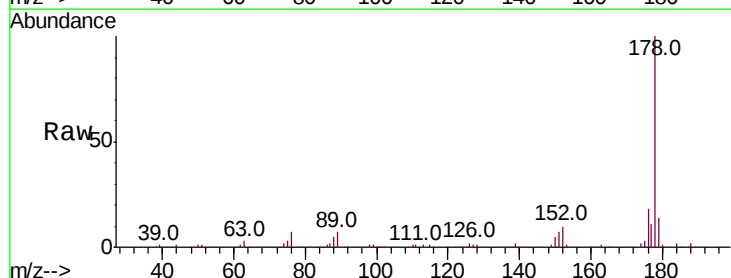
Tgt Ion:178 Resp: 137080

Ion Ratio Lower Upper

178 100

176 18.4 16.6 25.0

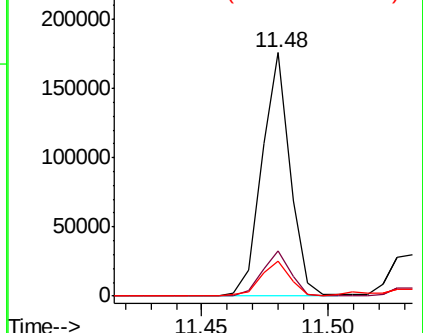
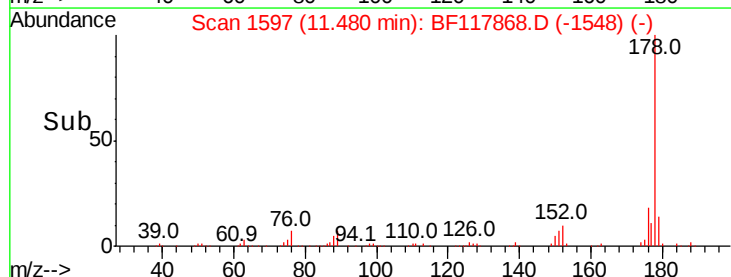
179 14.2 13.2 19.8

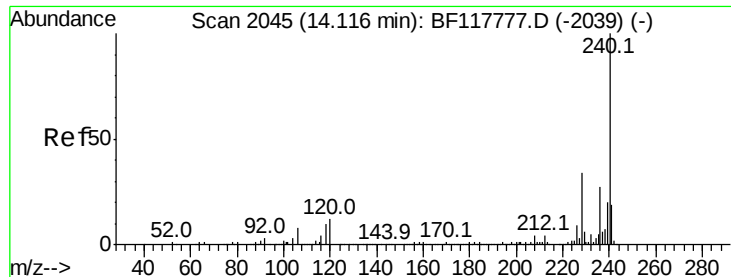


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

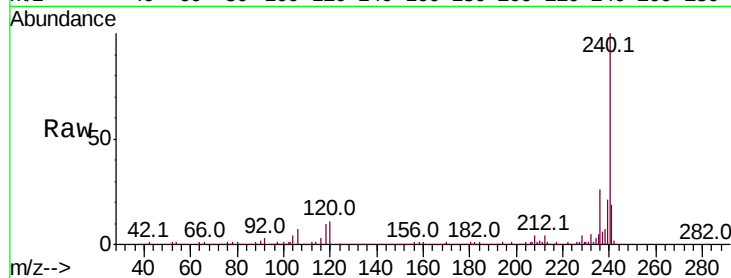




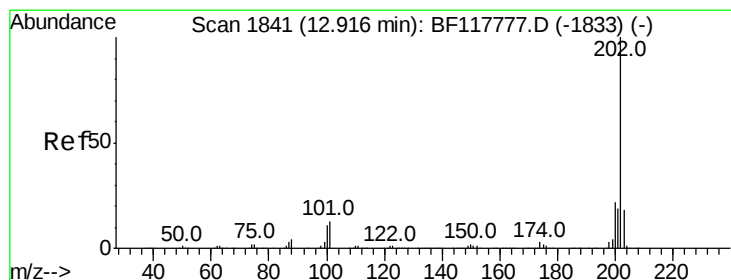
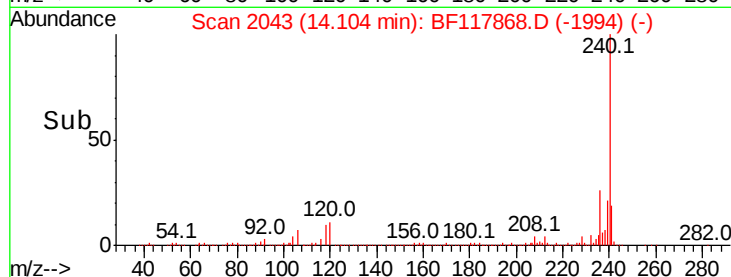
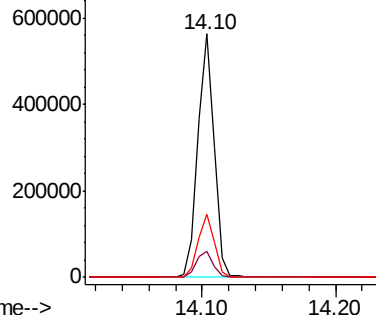
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 488841
Ion Ratio Lower Upper
240 100
120 10.5 9.5 14.3
236 25.9 21.3 31.9

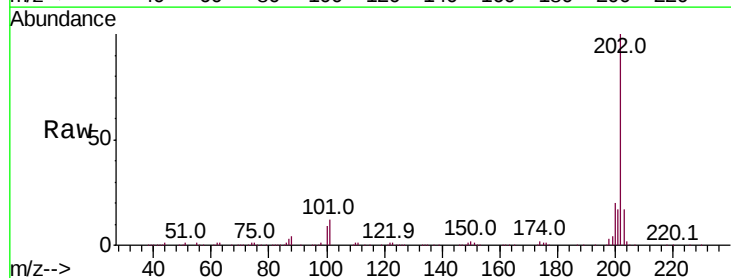


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

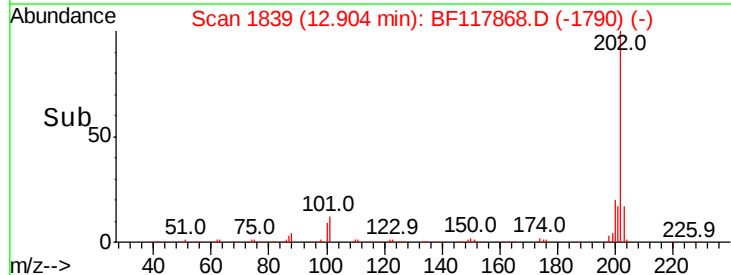
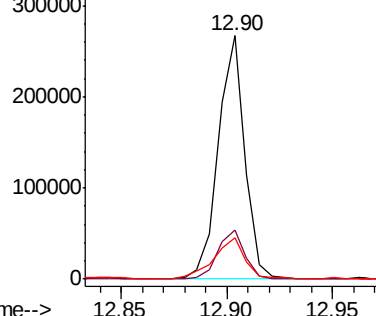


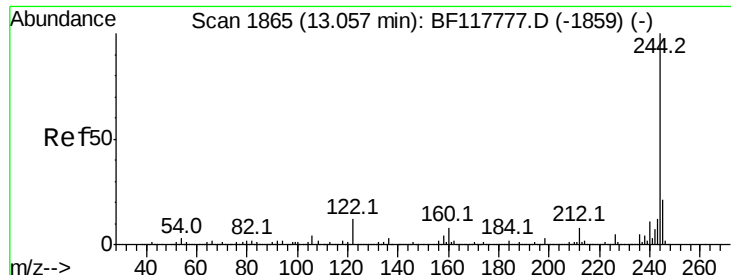
#78
Pyrene
Concen: 5.881 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion:202 Resp: 232334
Ion Ratio Lower Upper
202 100
200 20.2 17.8 26.8
203 17.0 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: 53.806 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

Instrument :

BNA_F

ClientSampleId :

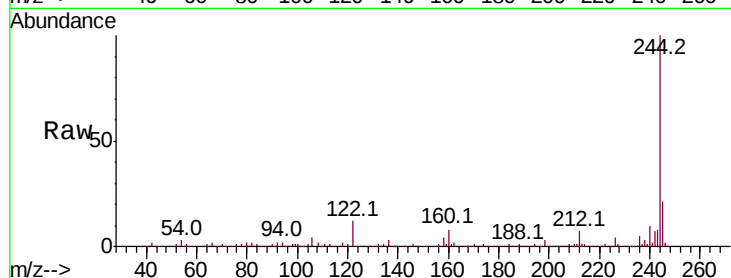
Tot Ion:244 Resp: 1439172

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

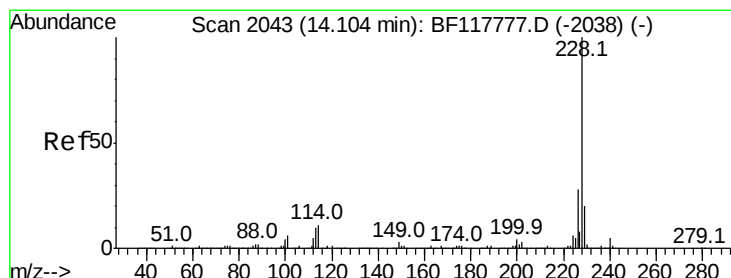
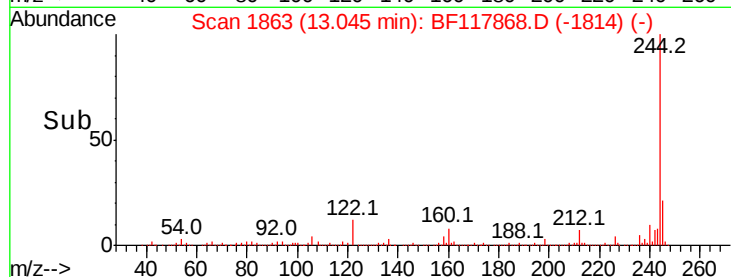
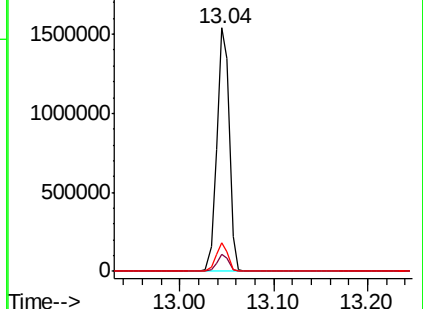
122 11.8 9.4 14.2



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: 3.427 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

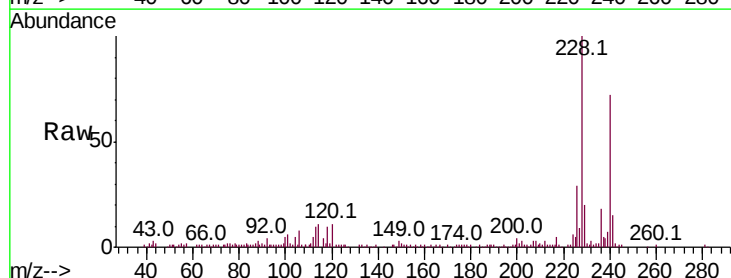
Tgt Ion:228 Resp: 110712

Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.2

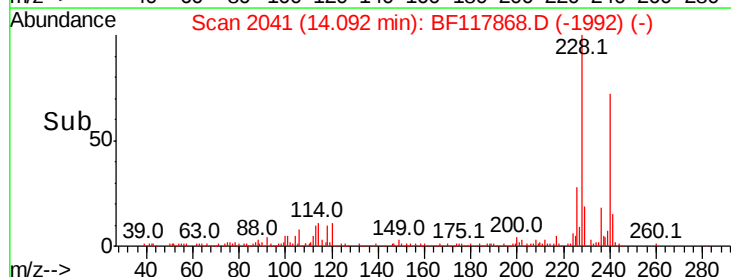
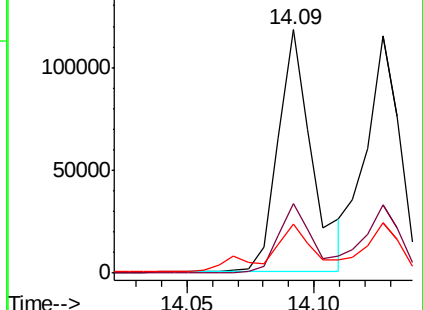
229 20.0 15.9 23.9

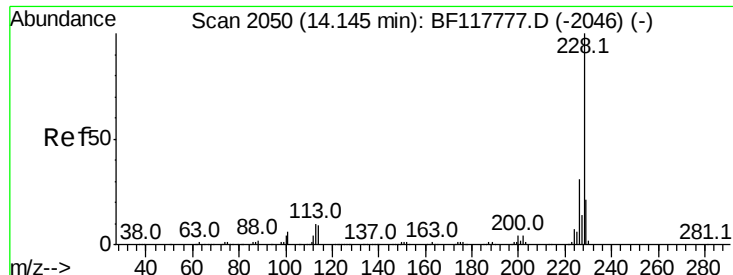


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

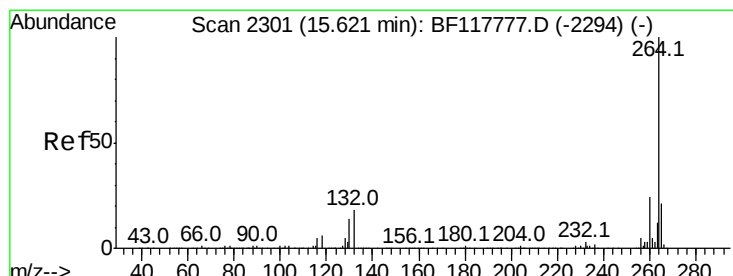
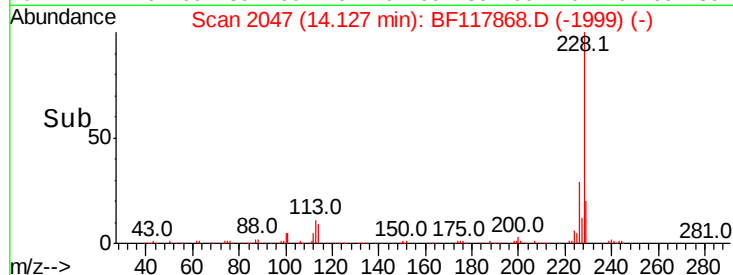
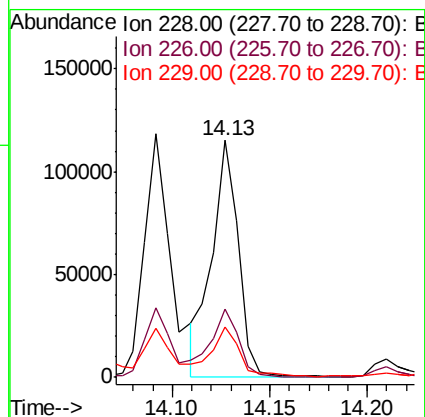
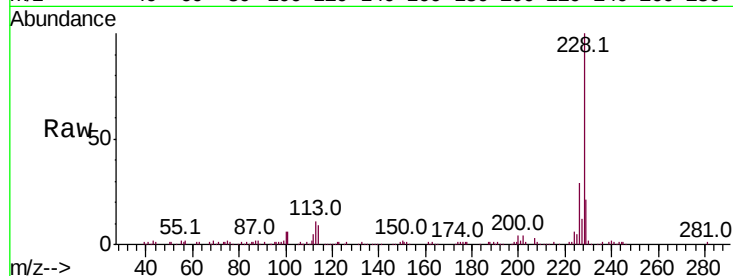




#83
Chrysene
Concen: 3.437 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

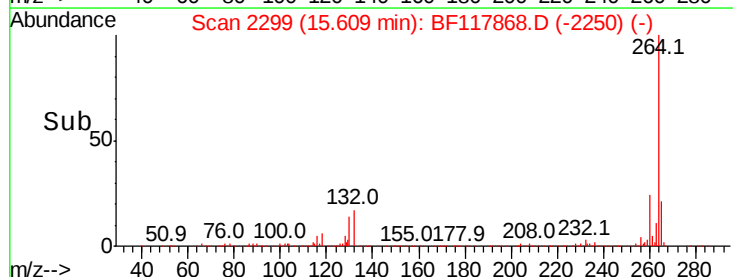
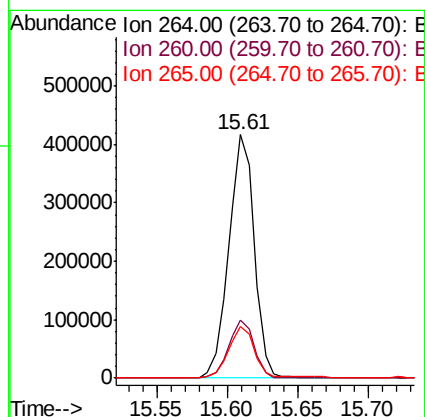
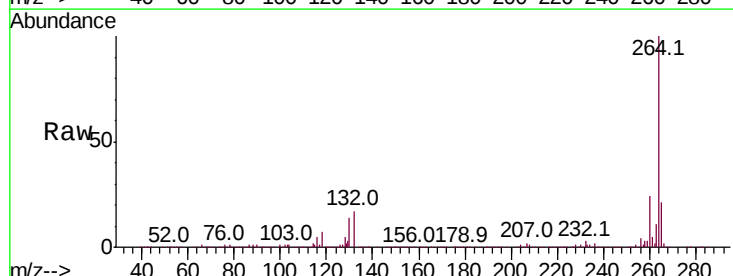
Instrument :
BNA_F
ClientSampleId :

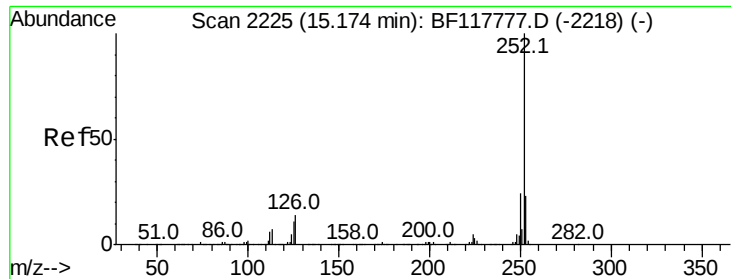
Tot Ion:228	Resp:	107600
Ion	Ratio	Lower Upper
228	100	
226	29.0	25.0 37.4
229	21.0	16.6 25.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion:264	Resp:	520914
Ion	Ratio	Lower Upper
264	100	
260	23.7	19.4 29.0
265	21.2	17.1 25.7

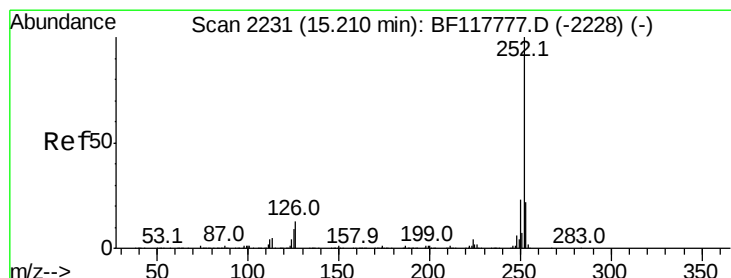
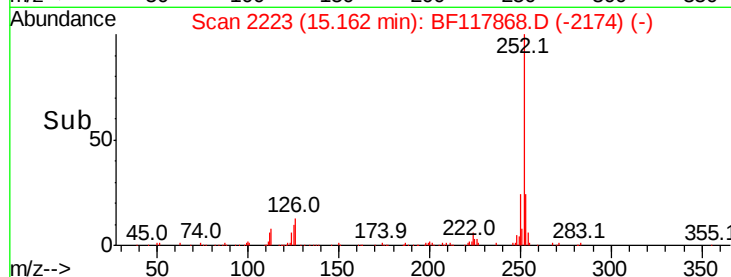
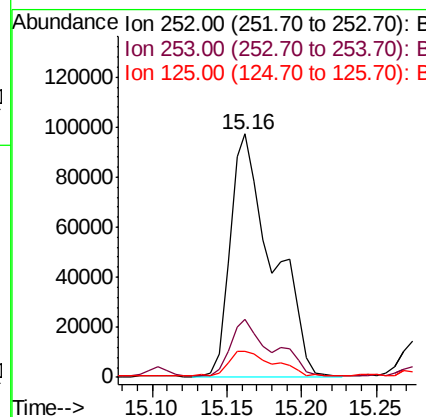
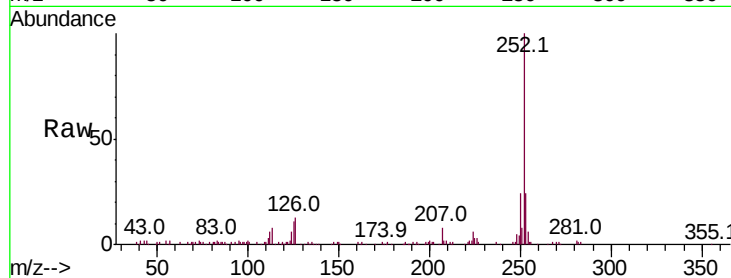




#88
Benzo(b)fluoranthene
Concen: 5.674 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

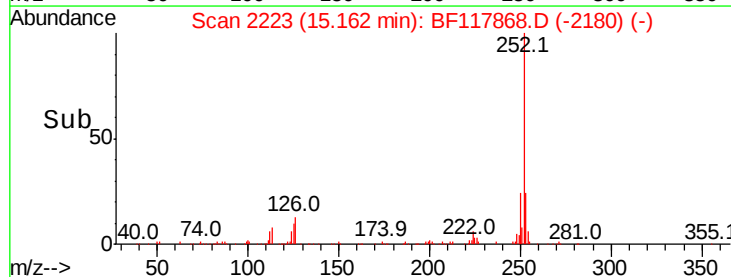
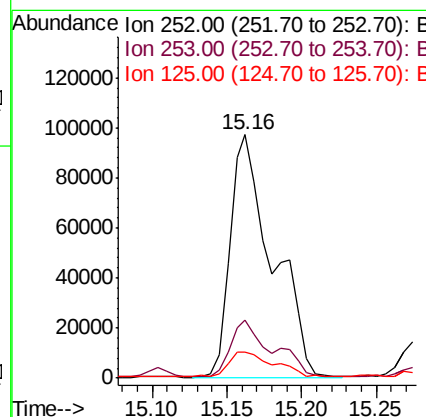
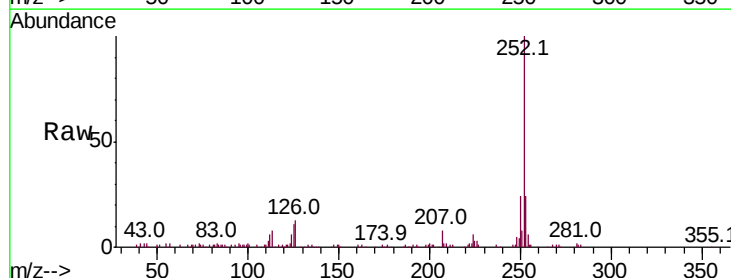
Instrument :
BNA_F
ClientSampleId :

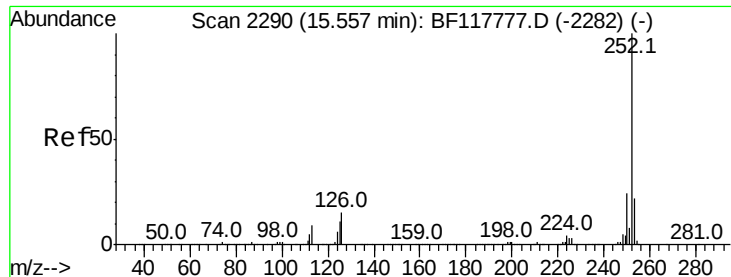
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	10.7	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 6.022 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF117868.D
Acq: 19 Nov 2019 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	10.7	7.9	11.9





#90

Benzo(a)pyrene

Concen: 2.712 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.02 min

Lab File: BF117868.D

Acq: 19 Nov 2019 19:14

Instrument :

BNA_F

ClientSampleId :

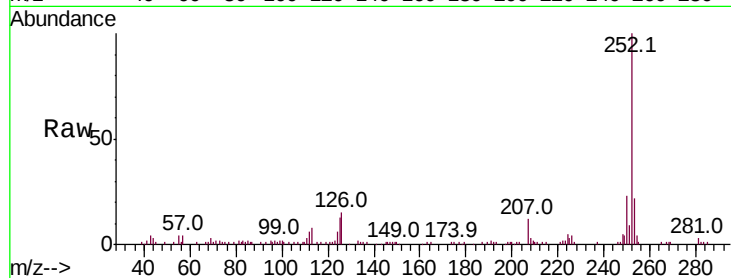
Tot Ion:252 Resp: 80705

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 12.7 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

