

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117853.D
 Acq On : 19 Nov 2019 12:27
 Operator : JU
 Sample : K5863-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 13:18:28 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	224089	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	863072	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	462562	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	846513	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	576156	20.00	ng	-0.01
87) Perylene-d12	15.61	264	507255	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1195853	94.46	ng	0.00
7) Phenol-d6	6.54	99	1538602	100.76	ng	0.00
23) Nitrobenzene-d5	7.47	82	929941	64.05	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	340091	69.45	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1728289	67.03	ng	-0.01
79) Terphenyl-d14	13.05	244	1947474	61.78	ng	0.00

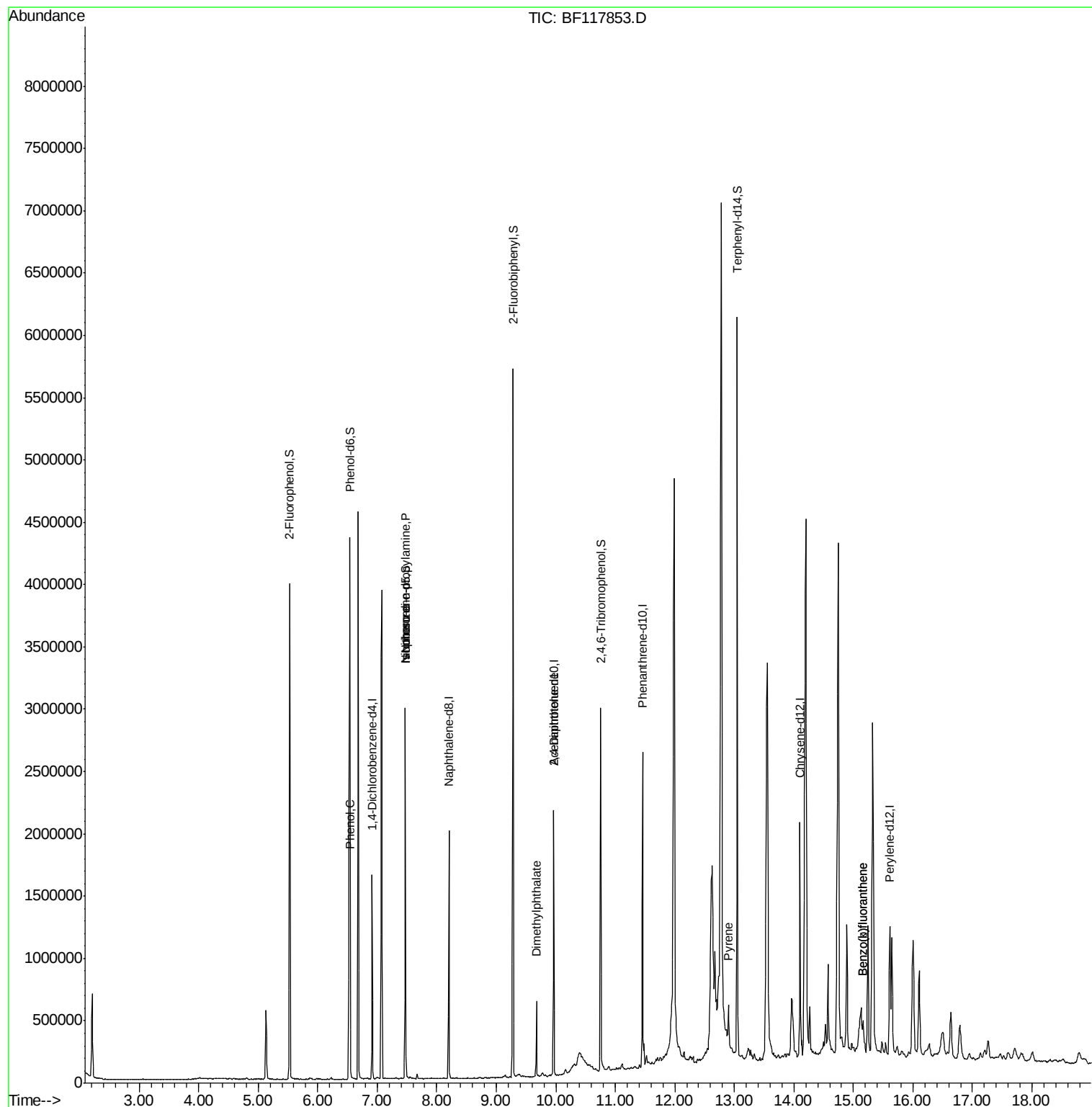
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	4269	Below Cal		# 1
10) Phenol	6.55	94	97768	6.162	ng	93
19) n-Nitroso-di-n-propylamine	7.47	70	127091	13.491	ng	# 76
25) Isophorone	7.47	82	922791	34.678	ng	# 62
50) Dimethylphthalate	9.67	163	221019	6.814	ng	99
57) 2,4-Dinitrotoluene	9.96	165	60415	6.699	ng	# 25
75) Fluoranthene	12.67	202	142153	Below Cal		98
78) Pyrene	12.90	202	129812	2.788	ng	98
88) Benzo(b)fluoranthene	15.16	252	95705	2.904	ng	# 95
89) Benzo(k)fluoranthene	15.16	252	95705	3.082	ng	# 94

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

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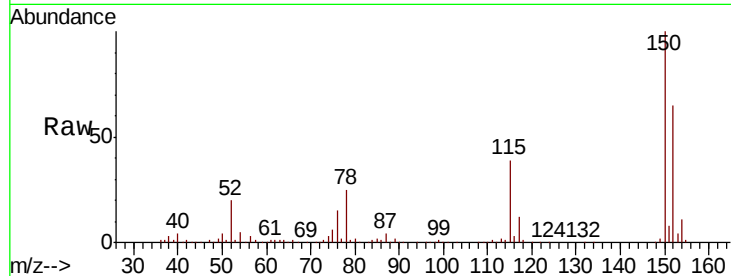


#1

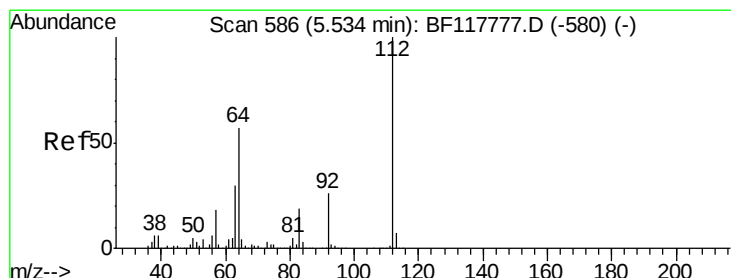
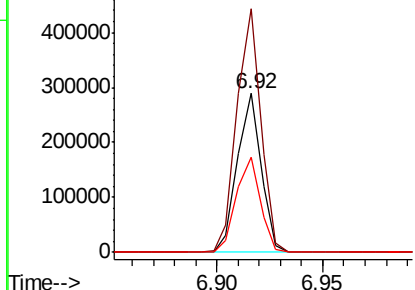
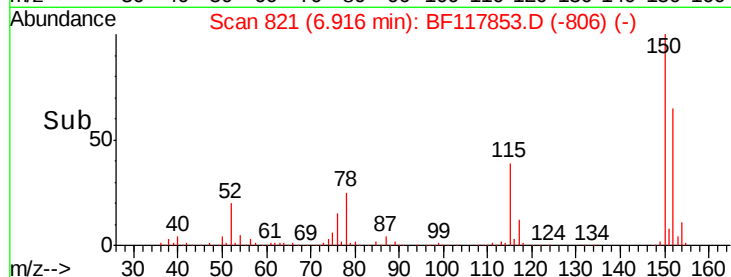
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 224089
Ion Ratio Lower Upper
152 100
150 153.5 125.3 187.9
115 59.7 47.0 70.4



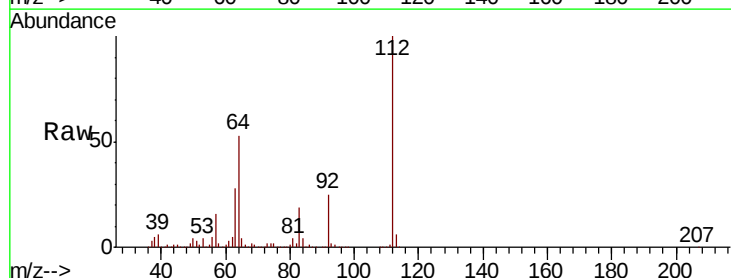
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



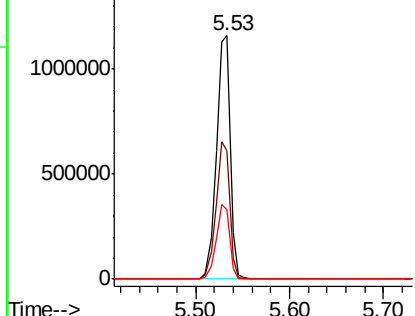
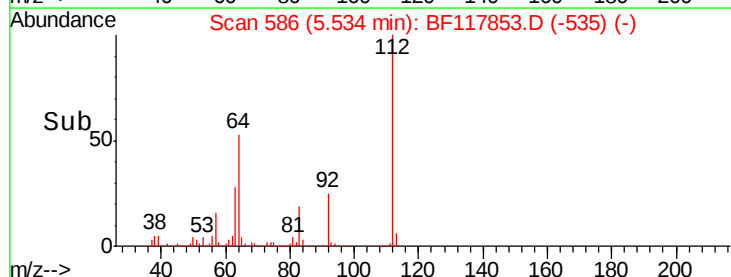
#5

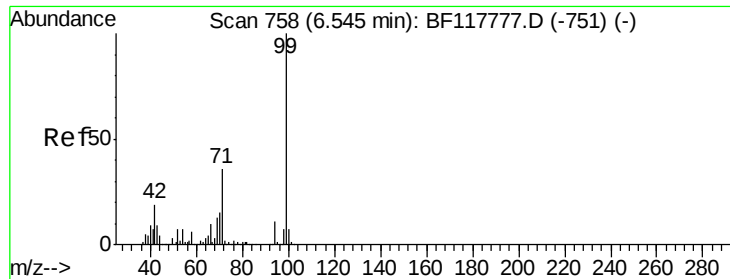
2-Fluorophenol
Concen: 94.462 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Tgt Ion:112 Resp: 1195853
Ion Ratio Lower Upper
112 100
64 52.8 45.6 68.4
63 28.5 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: 100.763 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117853.D

Acq: 19 Nov 2019 12:27

Instrument :

BNA_F

ClientSampleId :

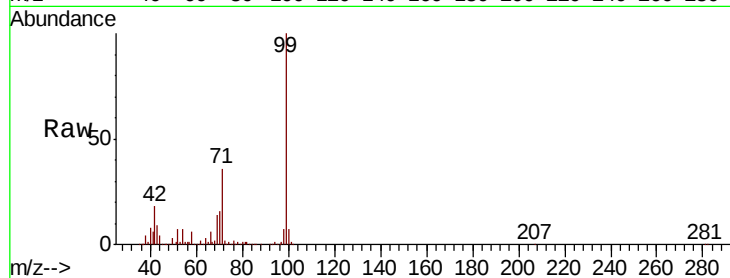
Tot Ion: 99 Resp: 1538602

Ion Ratio Lower Upper

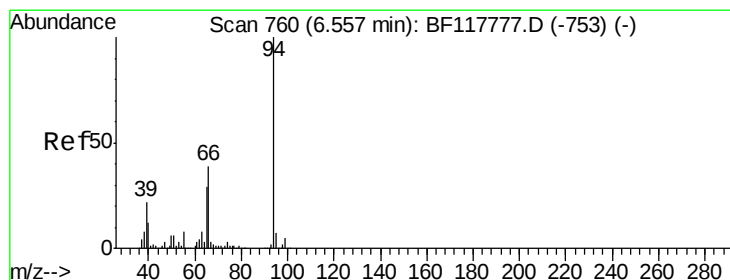
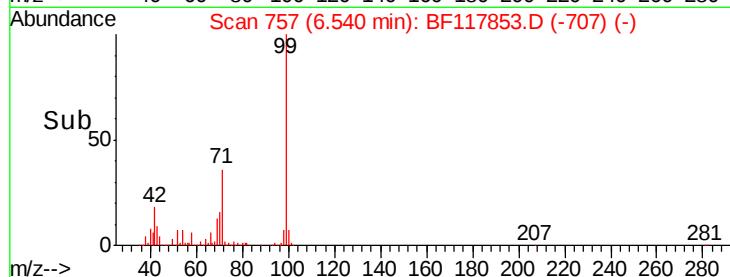
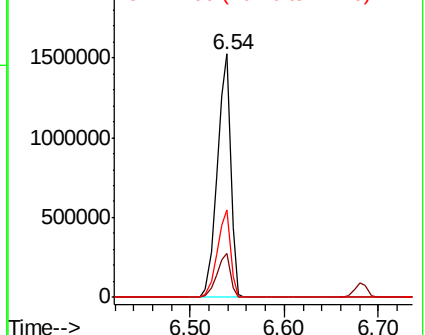
99 100

42 18.2 14.9 22.3

71 35.9 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: 6.162 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117853.D

Acq: 19 Nov 2019 12:27

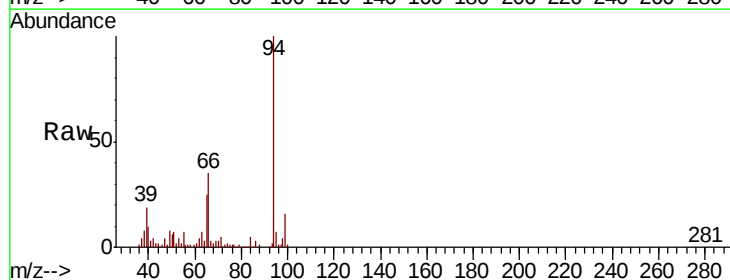
Tgt Ion: 94 Resp: 97768

Ion Ratio Lower Upper

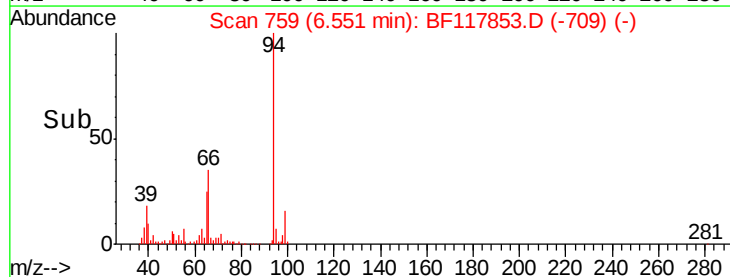
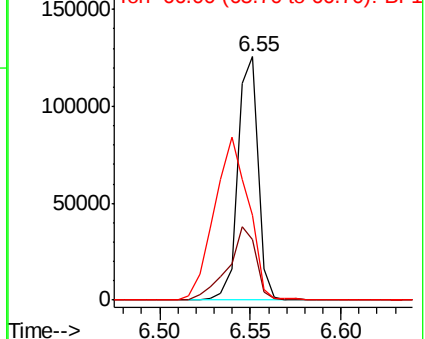
94 100

65 24.9 8.9 48.9

66 35.0 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

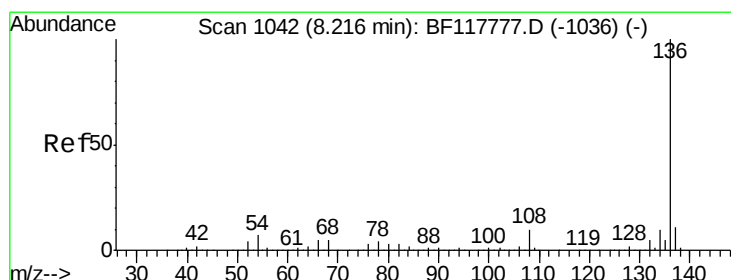
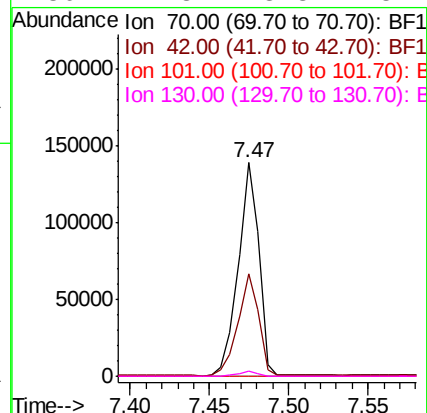
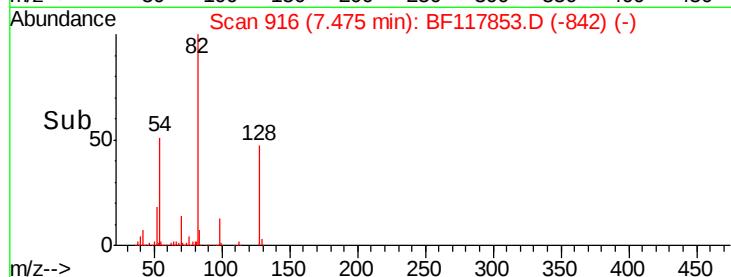
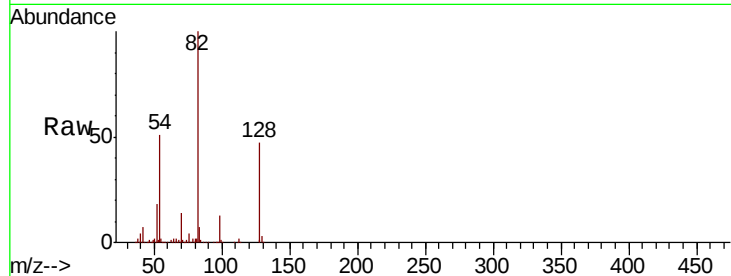




#19
n-Nitroso-di-n-propylamine
Concen: 13.491 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

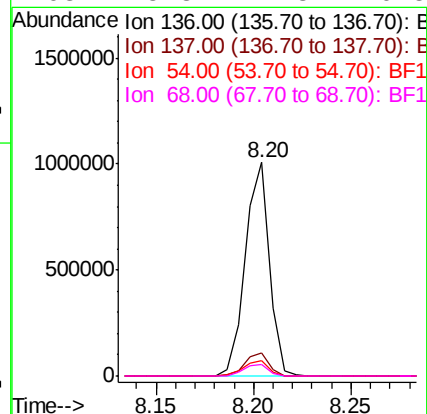
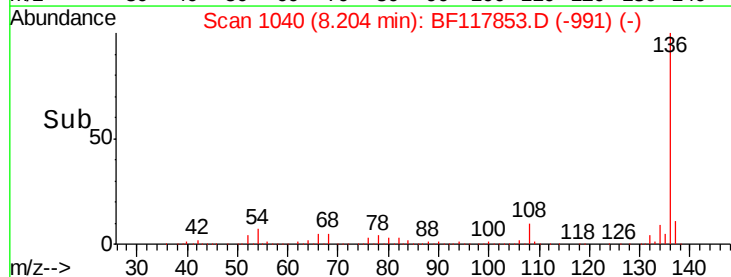
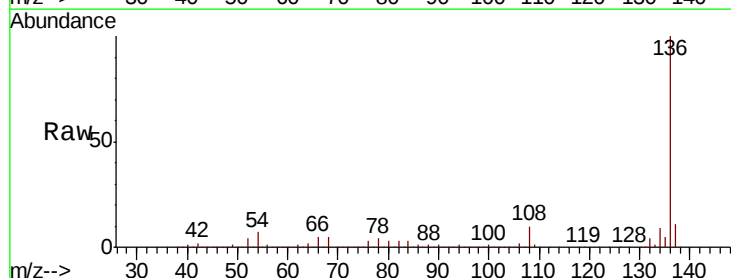
Instrument :
BNA_F
ClientSampleId :

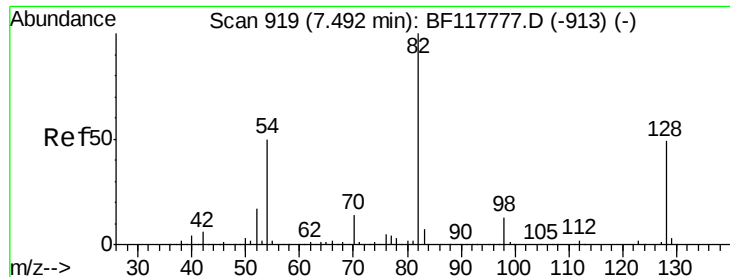
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.7	47.4	71.2
101	0.0	8.4	12.6#
130	2.3	18.8	28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.9	5.4	8.2
68	5.3	4.3	6.5

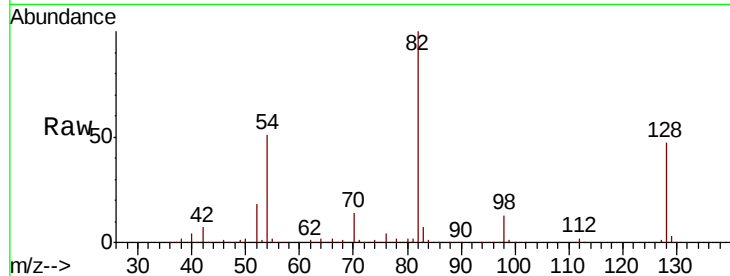




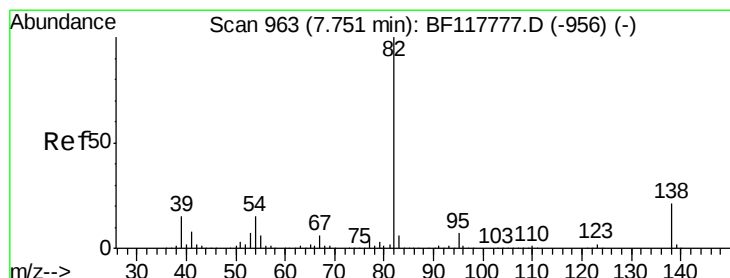
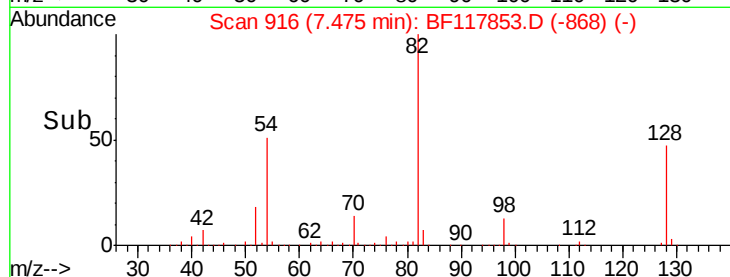
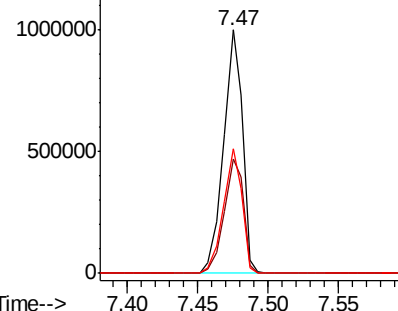
#23
Nitrobenzene-d5
Concen: 64.052 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.9	58.3
54	51.3	39.8	59.6

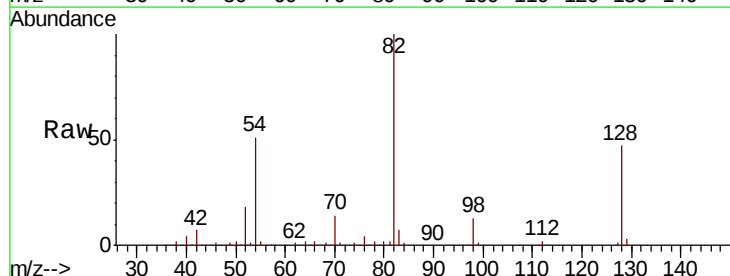


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

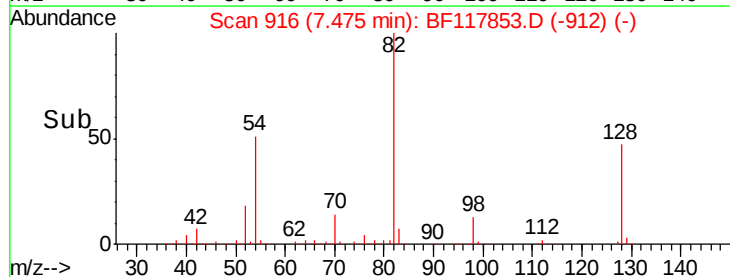
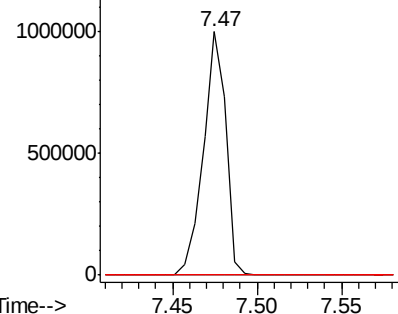


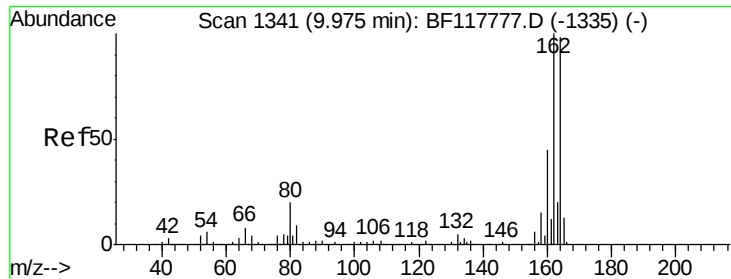
#25
Isophorone
Concen: 34.678 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.28 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.8#
138	0.0	16.5	24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

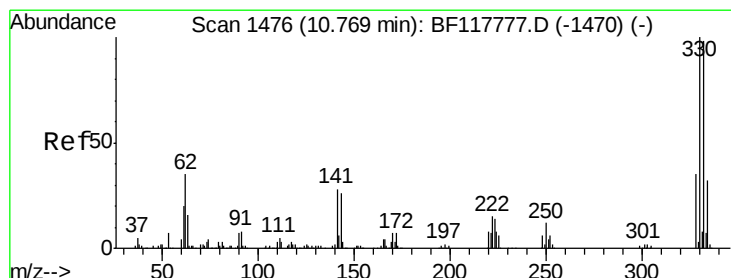
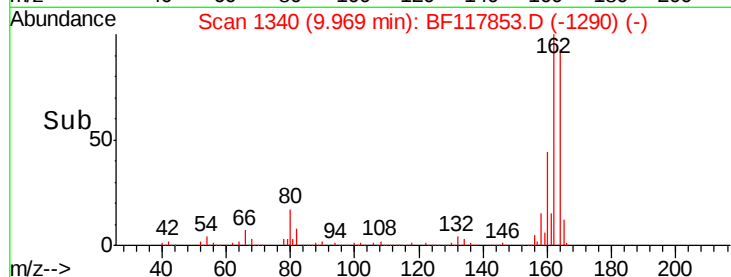
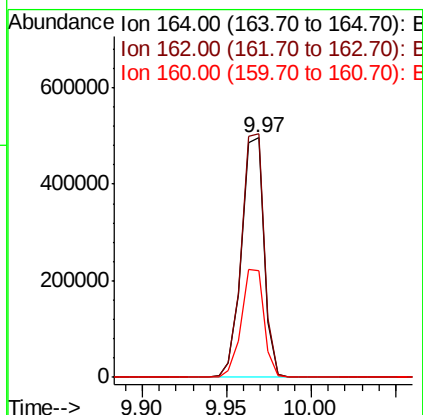
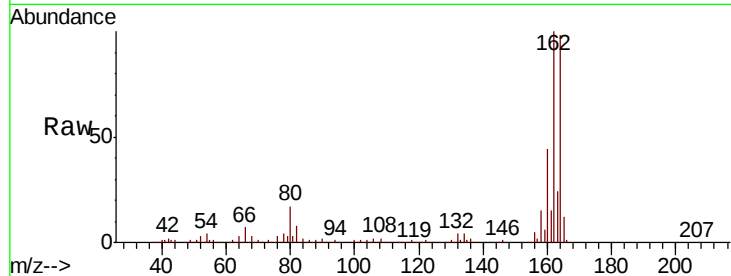




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

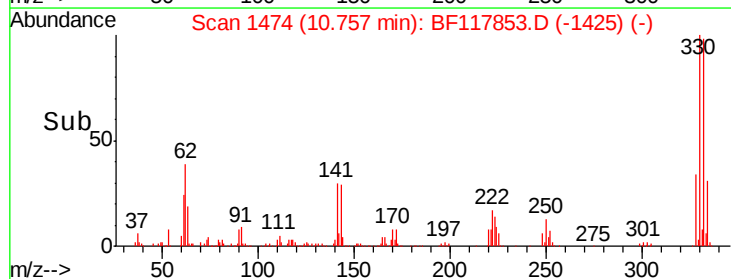
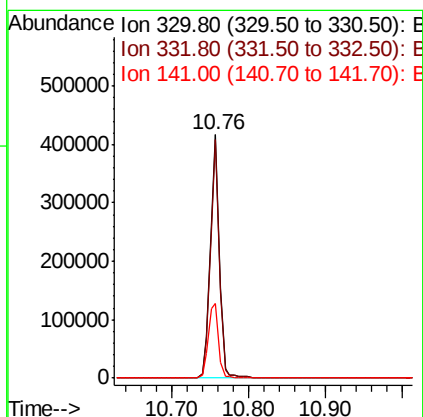
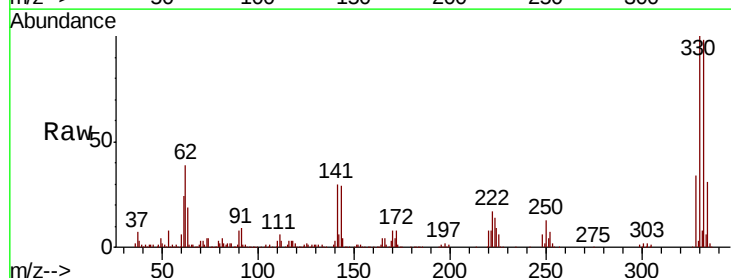
Instrument :
BNA_F
ClientSampleId :

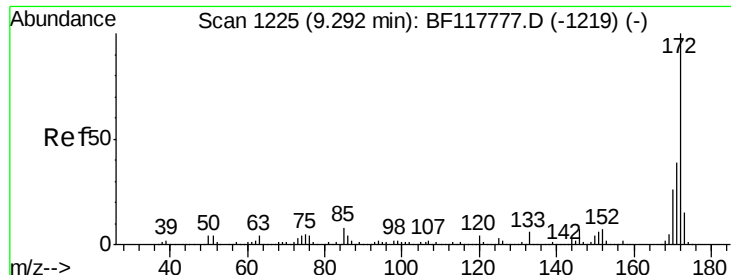
Tot Ion:164 Resp: 462562
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.6 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 69.448 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Tgt Ion:330 Resp: 340091
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 34.7 27.7 41.5

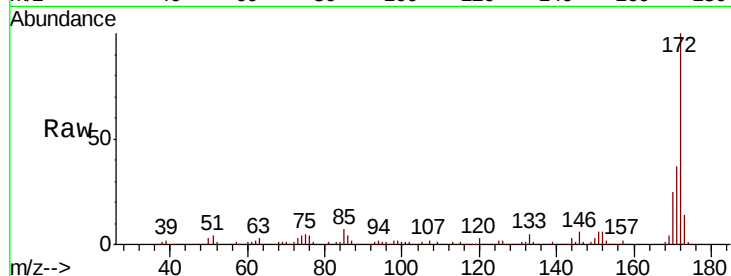




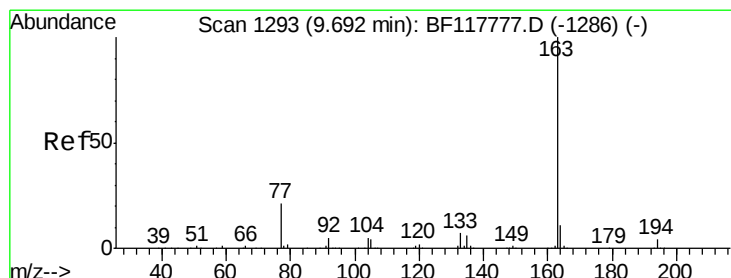
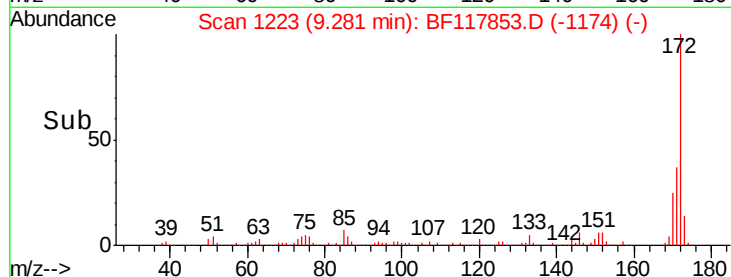
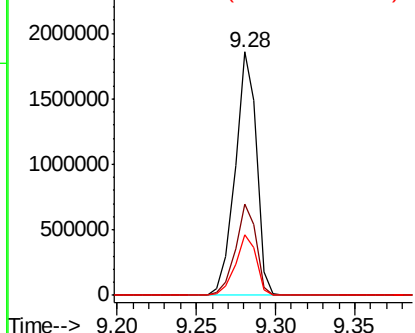
#45
2-Fluorobiphenyl
Concen: 67.031 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1728289
Ion Ratio Lower Upper
172 100
171 37.3 30.9 46.3
170 24.9 21.0 31.4

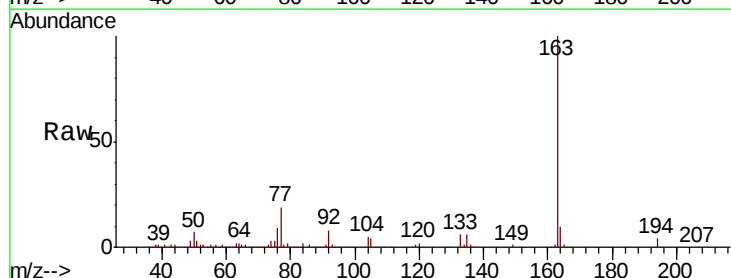


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

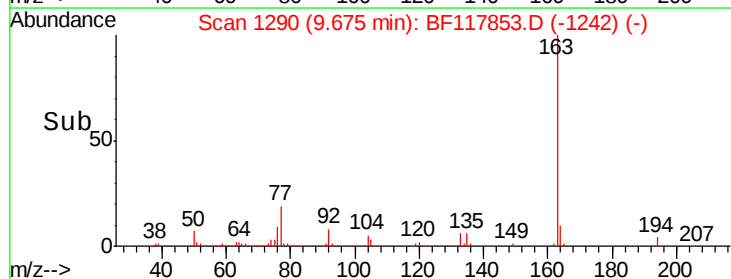
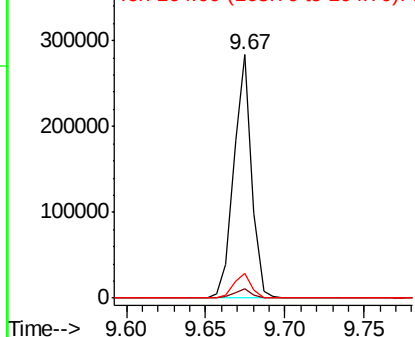


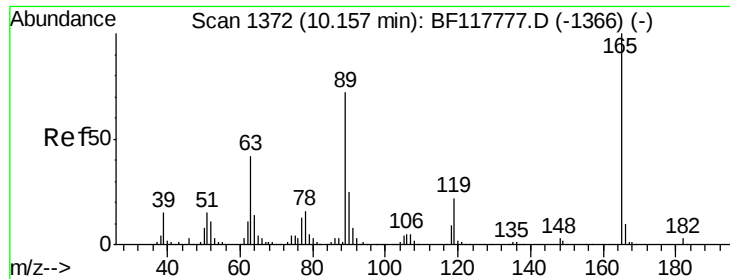
#50
Dimethylphthalate
Concen: 6.814 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Tgt Ion:163 Resp: 221019
Ion Ratio Lower Upper
163 100
194 4.1 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





#57

2,4-Dinitrotoluene

Concen: 6.699 ng

RT: 9.96 min Scan# 1339

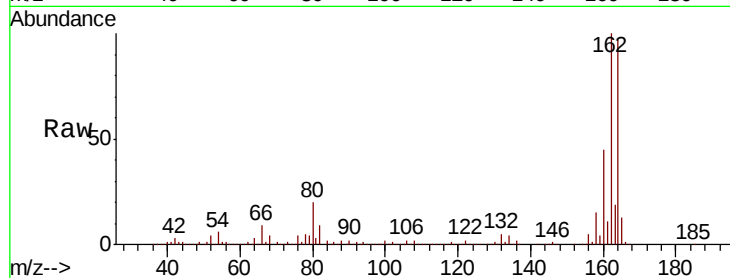
Delta R.T. -0.19 min

Lab File: BF117853.D

Acq: 19 Nov 2019 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	60415
Ion Ratio	Lower	Upper
165	100	
63	1.2	33.7 50.5#
89	1.6	57.3 85.9#
182	0.0	2.3 3.5#

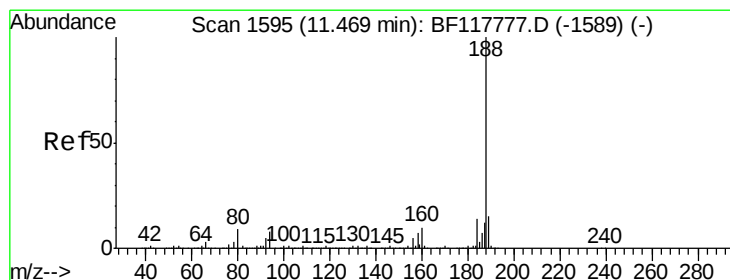
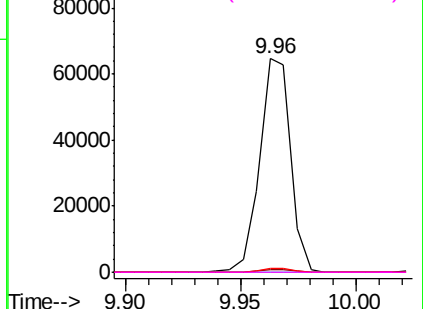
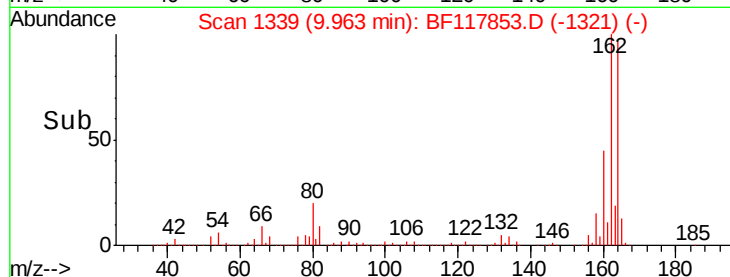


Abundance Ion 165.00 (164.70 to 165.70): E

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

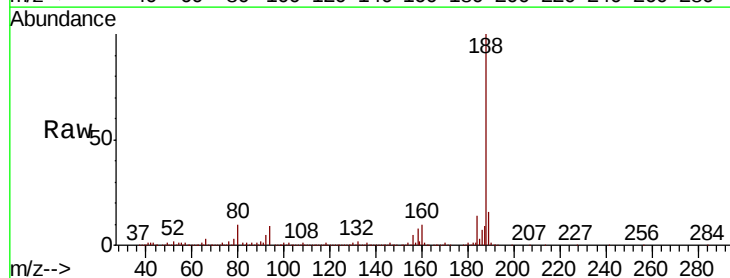
RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117853.D

Acq: 19 Nov 2019 12:27

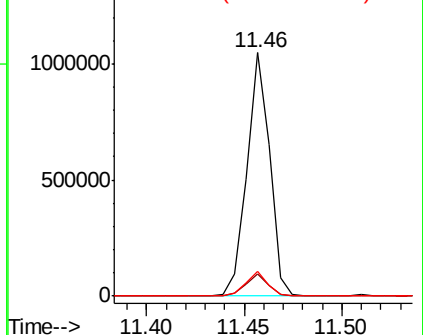
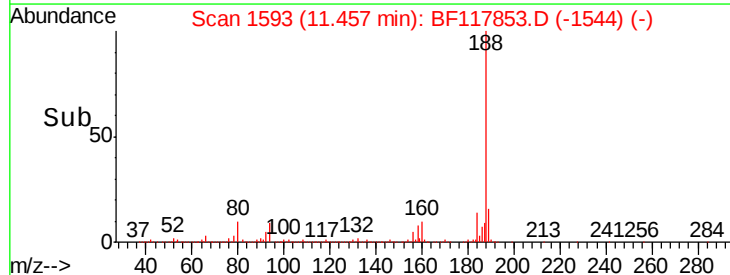
Tgt Ion:188	Resp:	846513
Ion Ratio	Lower	Upper
188	100	
94	9.2	6.6 10.0
80	10.1	7.2 10.8

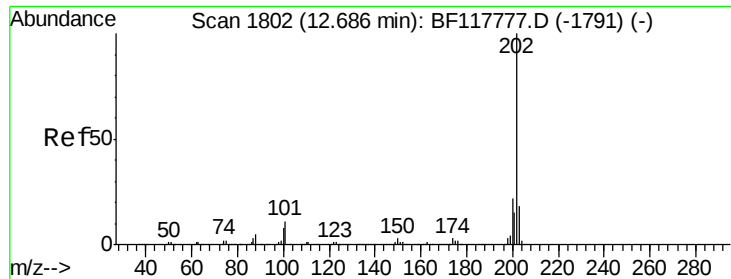


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117853.D

Acq: 19 Nov 2019 12:27

Instrument :

BNA_F

ClientSampleId :

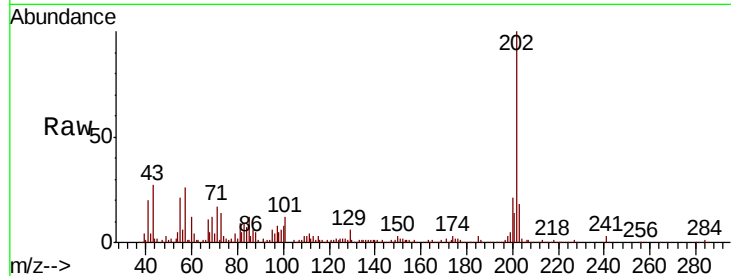
Tot Ion:202 Resp: 142153

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.1

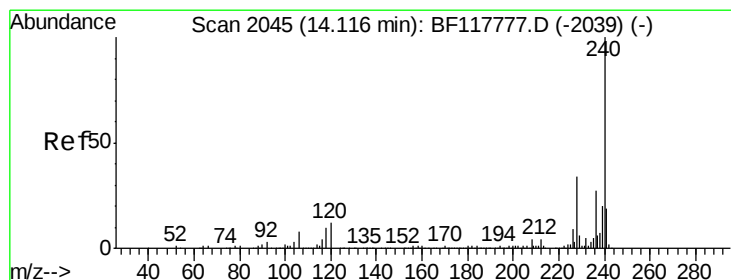
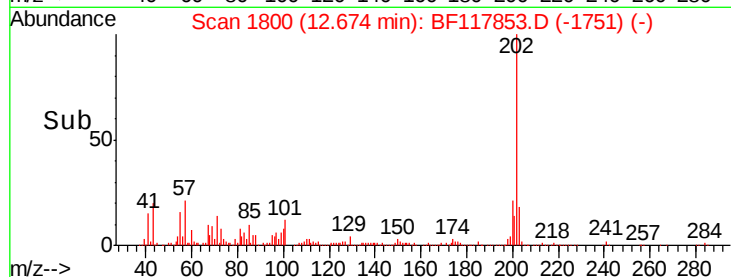
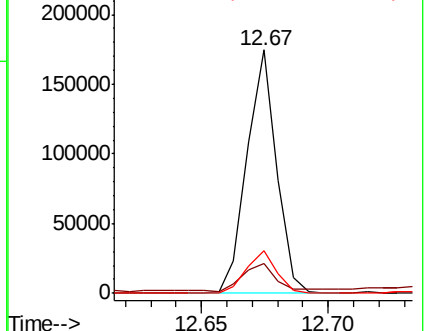
203 17.7 0.0 38.2



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: BF117853.D

Acq: 19 Nov 2019 12:27

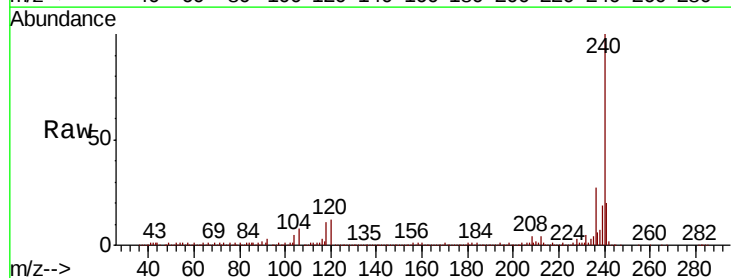
Tgt Ion:240 Resp: 576156

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

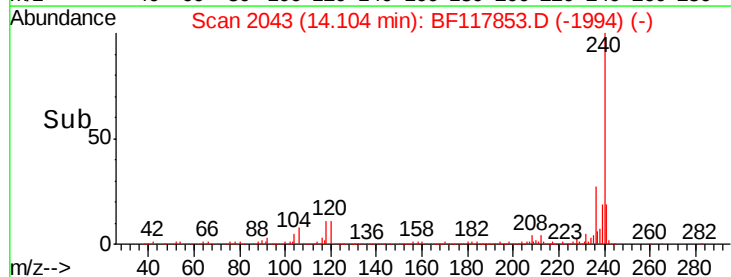
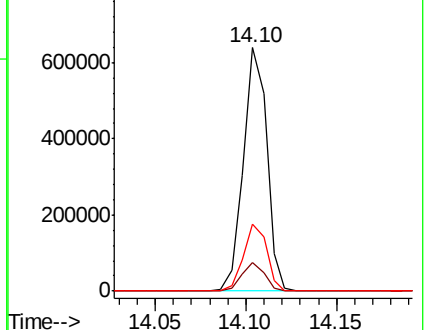
236 27.3 21.3 31.9

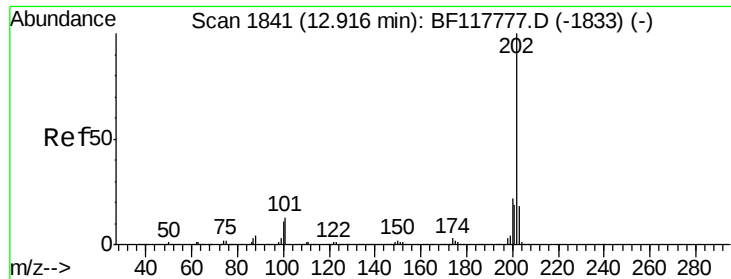


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

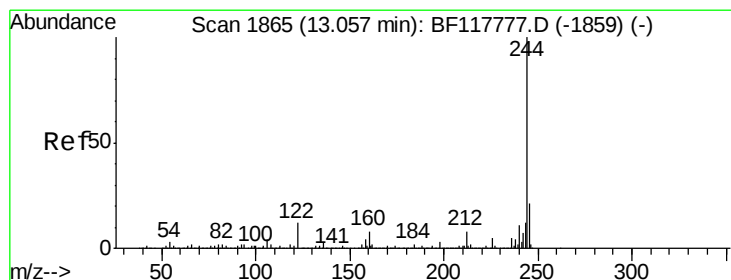
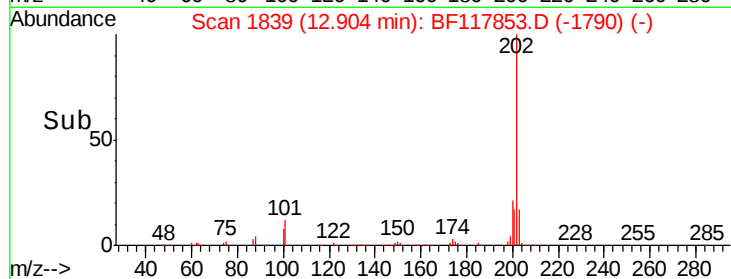
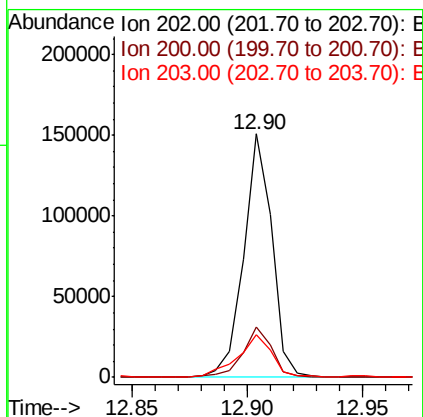
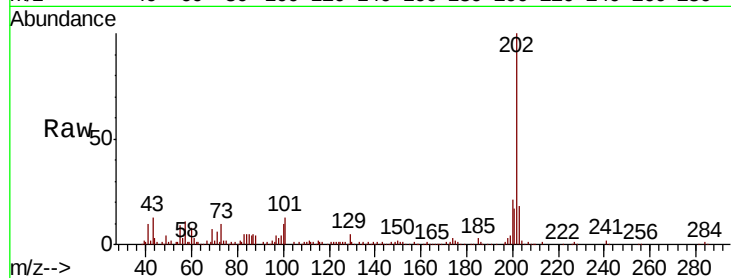




#78
Pvrene
Concen: 2.788 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

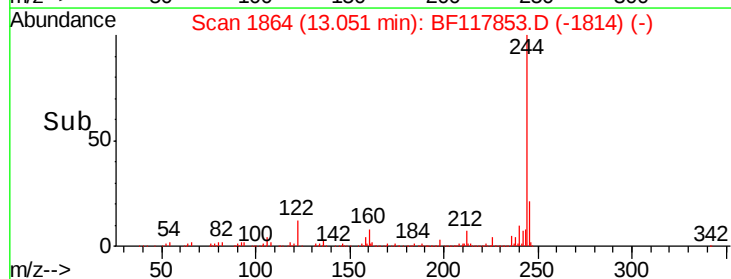
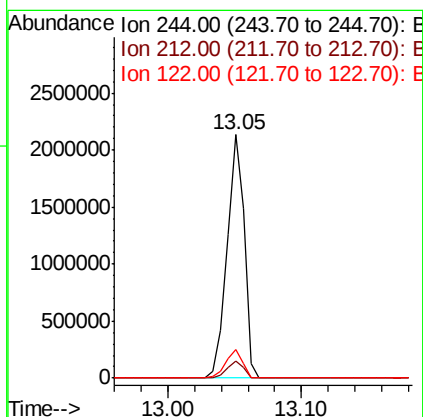
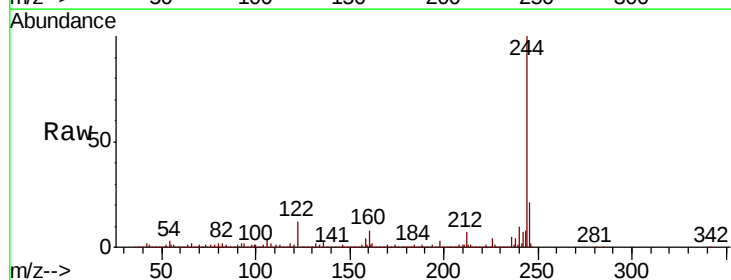
Instrument :
BNA_F
ClientSampleId :

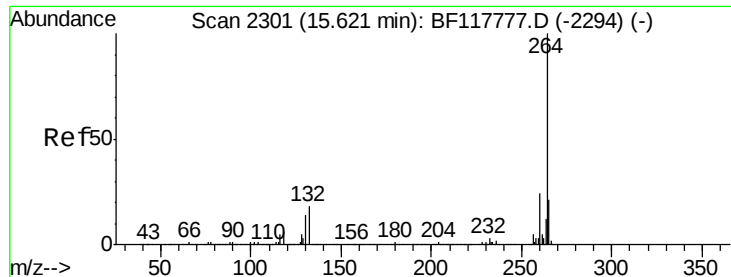
Tot Ion:202 Resp: 129812
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.8
203 17.5 14.6 22.0



#79
Terphenyl-d14
Concen: 61.775 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Tgt Ion:244 Resp: 1947474
Ion Ratio Lower Upper
244 100
212 7.2 6.3 9.5
122 11.7 9.4 14.2

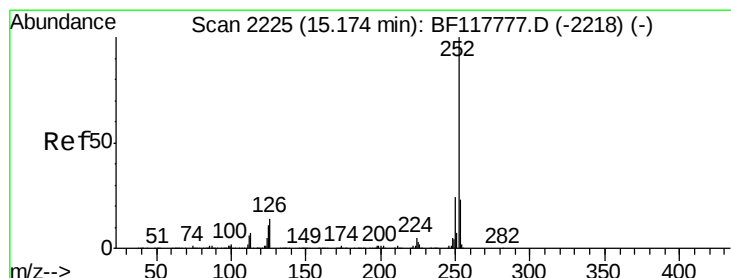
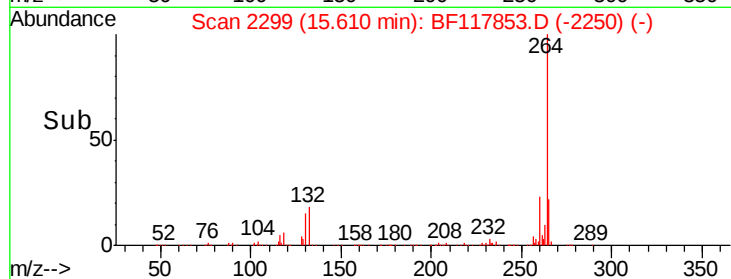
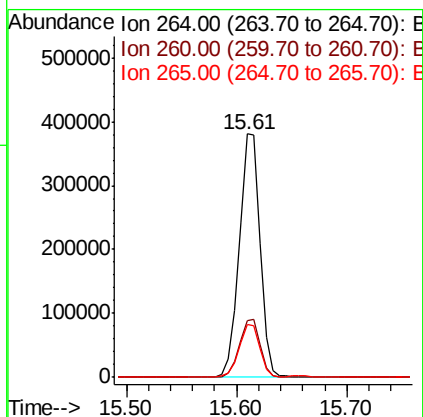
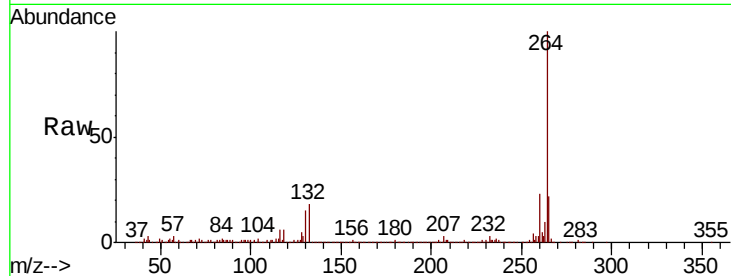




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

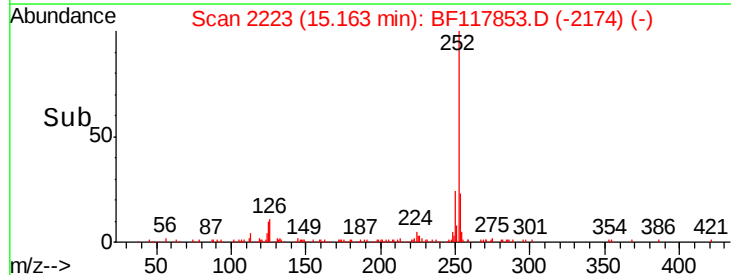
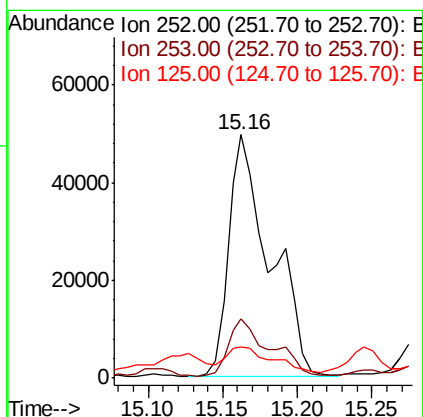
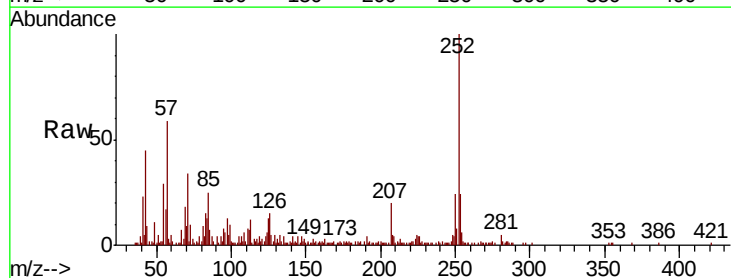
Instrument :
BNA_F
ClientSampleId :

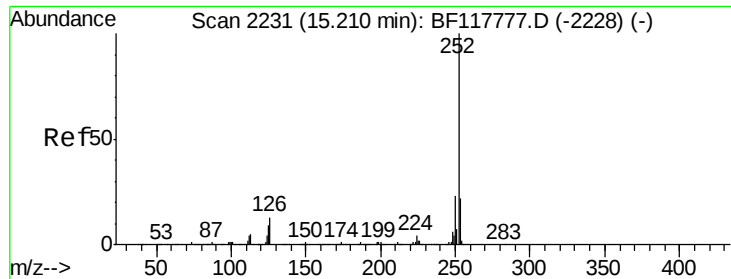
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.8	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 2.904 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117853.D
Acq: 19 Nov 2019 12:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	13.0	8.6	13.0#





#89

Benzo(k)fluoranthene

Concen: 3.082 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.05 min

Lab File: BF117853.D

Acq: 19 Nov 2019 12:27

Instrument :

BNA_F

ClientSampleId :

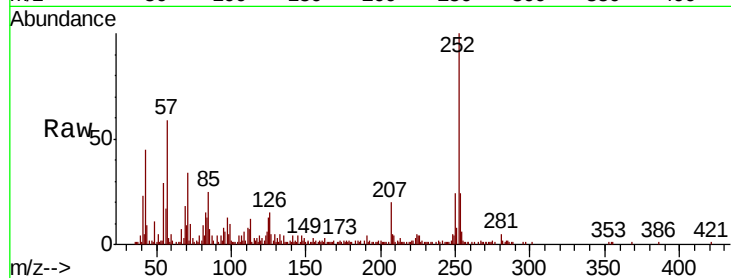
Tot Ion:252 Resp: 95705

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 13.0 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

