

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117860.D
 Acq On : 19 Nov 2019 15:36
 Operator : JU
 Sample : K5865-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:30:53 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	213638	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	843617	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	457249	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	860029	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	561032	20.00	ng	-0.01
87) Perylene-d12	15.61	264	517516	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1143350	94.73	ng	0.00
7) Phenol-d6	6.53	99	1459869	100.28	ng	-0.01
23) Nitrobenzene-d5	7.47	82	891272	62.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	414239	85.57	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1751234	68.71	ng	-0.01
79) Terphenyl-d14	13.05	244	2017166	65.71	ng	0.00

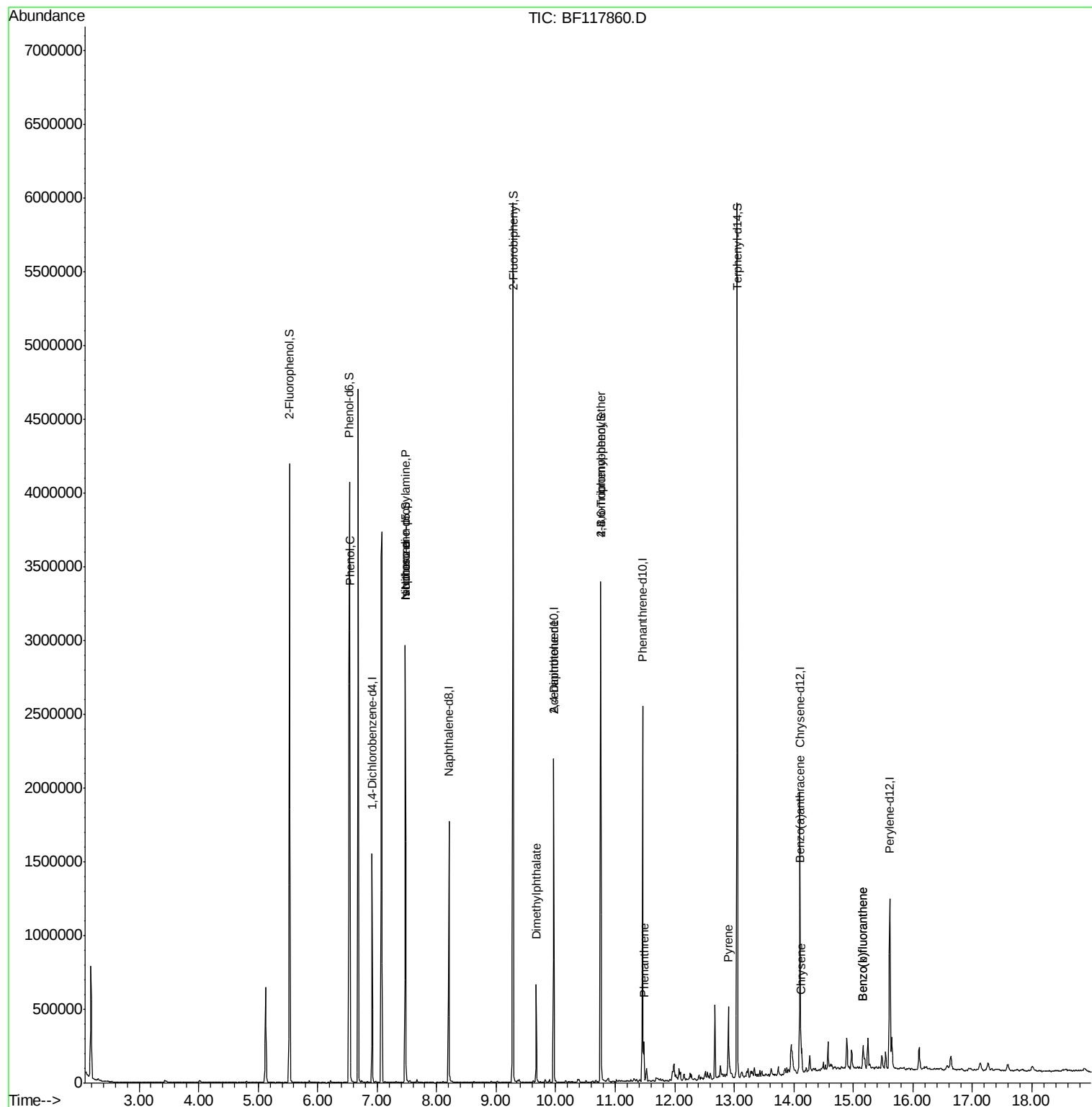
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	3094	Below Cal		# 1
10) Phenol	6.55	94	69489	4.594	ng	97
19) n-Nitroso-di-n-propylamine	7.47	70	120015	13.364	ng	# 76
25) Isophorone	7.47	82	885667	34.050	ng	# 62
50) Dimethylphthalate	9.67	163	244294	7.619	ng	98
57) 2,4-Dinitrotoluene	9.96	165	60616	6.800	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	26081	2.811	ng	# 1
71) Phenanthrene	11.48	178	87476	2.023	ng	96
75) Fluoranthene	12.67	202	183954	Below Cal		98
78) Pyrene	12.90	202	182345	4.022	ng	98
81) Benzo(a)anthracene	14.09	228	84572	2.281	ng	98
83) Chrysene	14.13	228	81094	2.257	ng	97
88) Benzo(b)fluoranthene	15.16	252	111400	3.313	ng	97
89) Benzo(k)fluoranthene	15.16	252	111400	3.516	ng	95

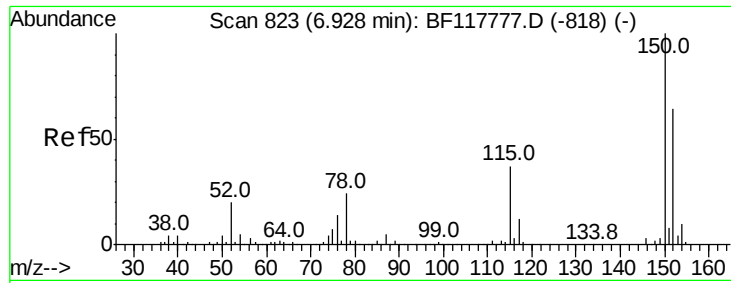
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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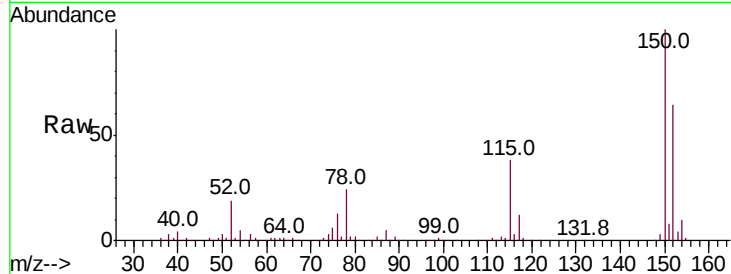


#1

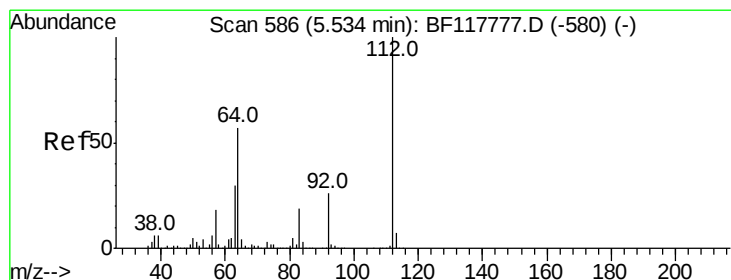
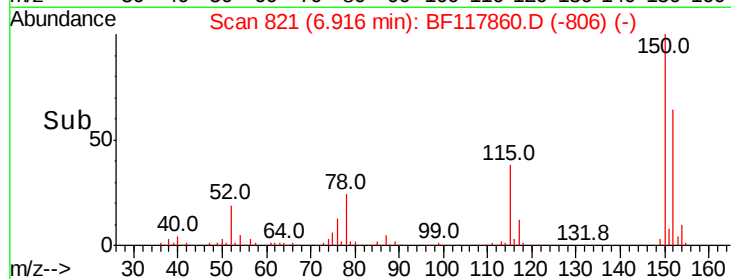
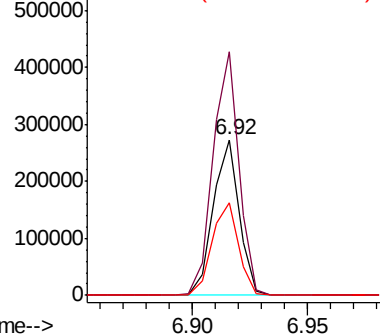
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 213638
Ion Ratio Lower Upper
152 100
150 156.2 125.3 187.9
115 59.1 47.0 70.4



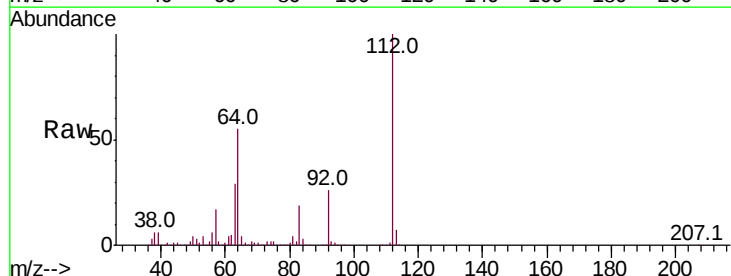
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



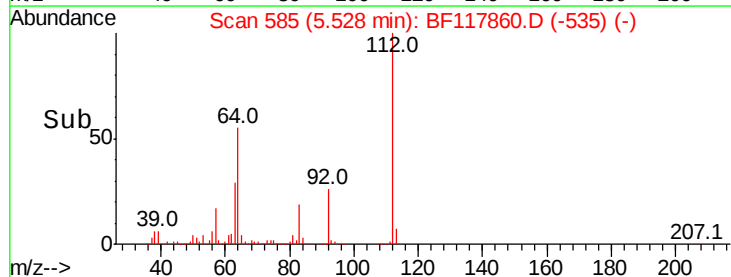
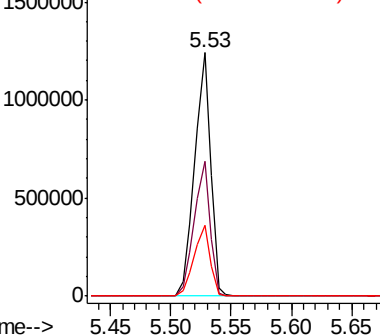
#5

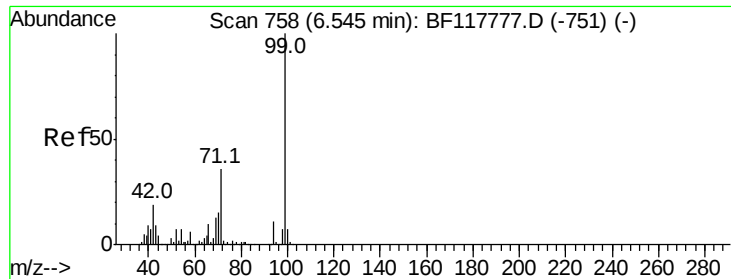
2-Fluorophenol
Concen: 94.733 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion:112 Resp: 1143350
Ion Ratio Lower Upper
112 100
64 55.2 45.6 68.4
63 29.3 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: 100.283 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

Instrument :

BNA_F

ClientSampleId :

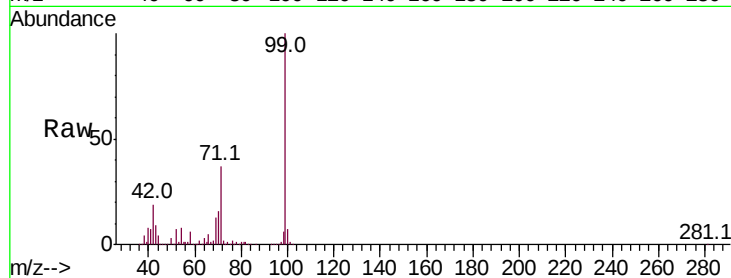
Tot Ion: 99 Resp: 1459869

Ion Ratio Lower Upper

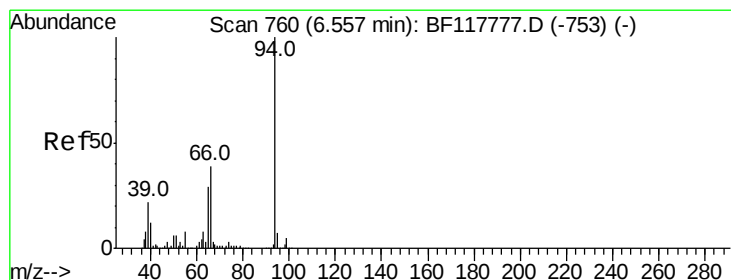
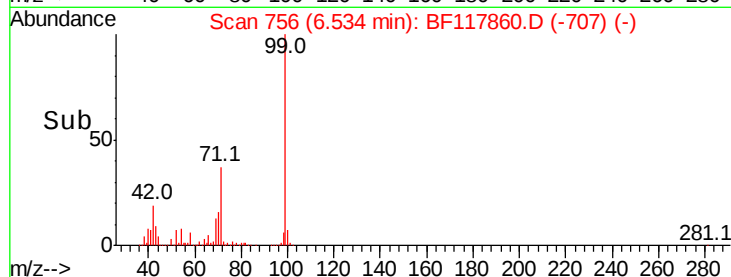
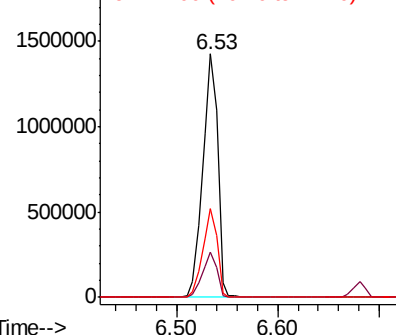
99 100

42 18.8 14.9 22.3

71 36.6 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: 4.594 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

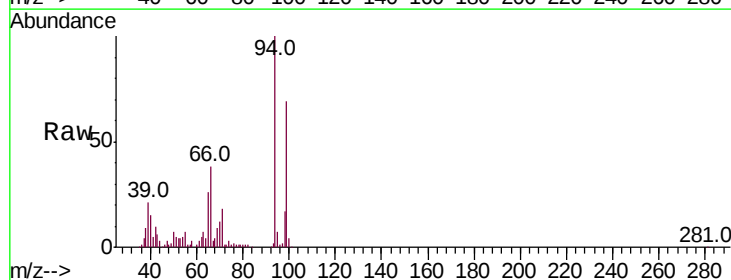
Tgt Ion: 94 Resp: 69489

Ion Ratio Lower Upper

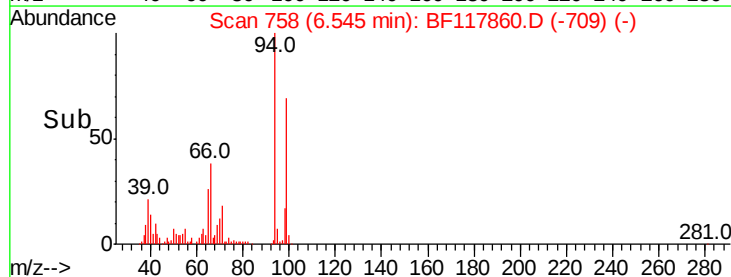
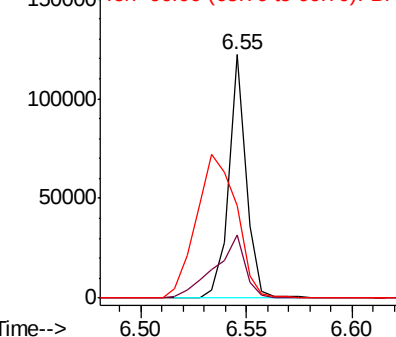
94 100

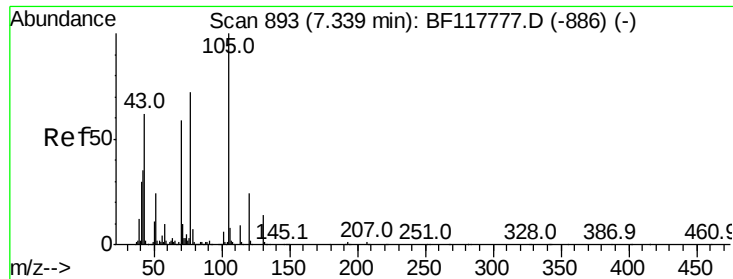
65 26.2 8.9 48.9

66 38.0 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: 13.364 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117860.D

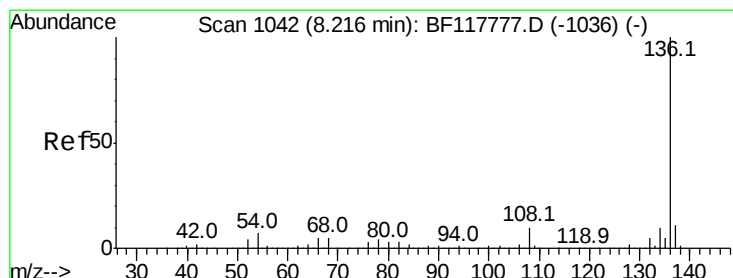
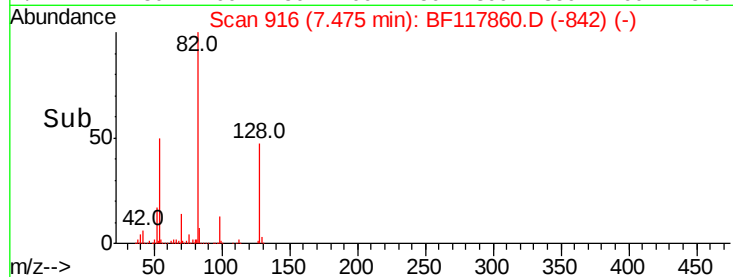
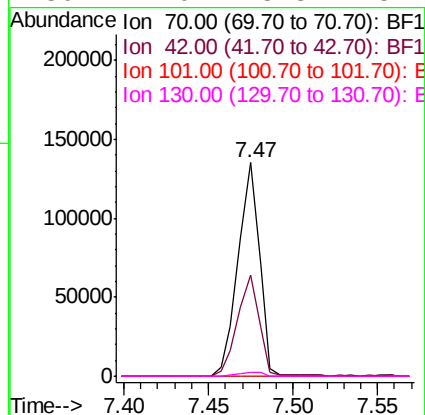
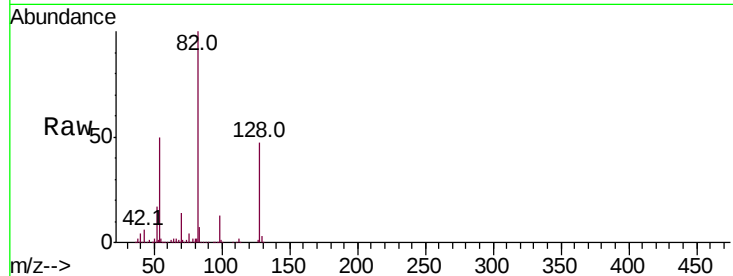
Acq: 19 Nov 2019 15:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	120015
Ion	Ratio	Lower	Upper
70	100		
42	47.6	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

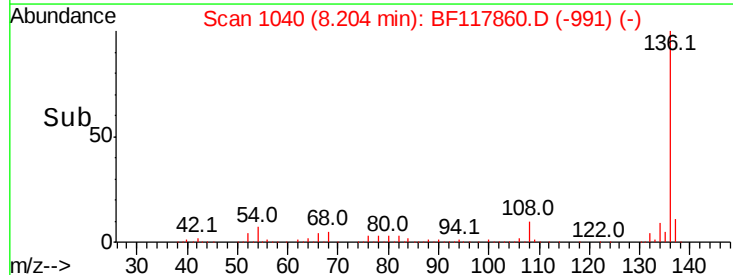
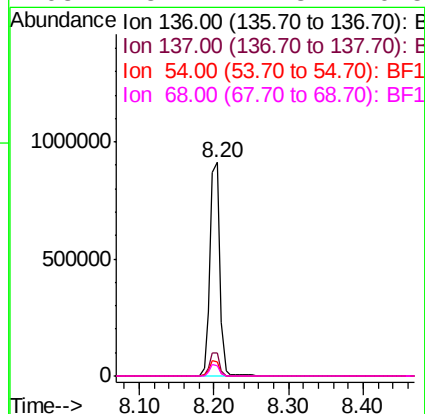
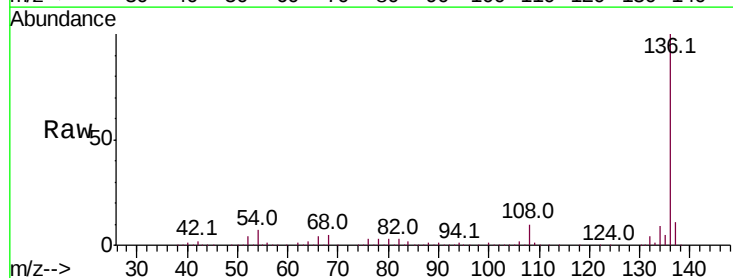
RT: 8.20 min Scan# 1040

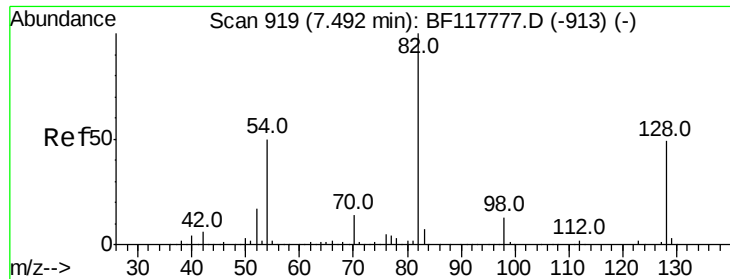
Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

Tgt Ion:	136	Resp:	843617
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.6	5.4	8.2
68	5.1	4.3	6.5

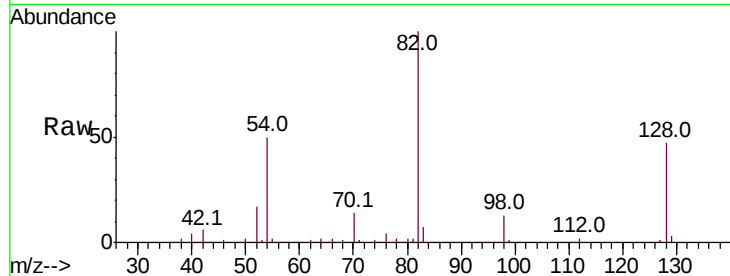




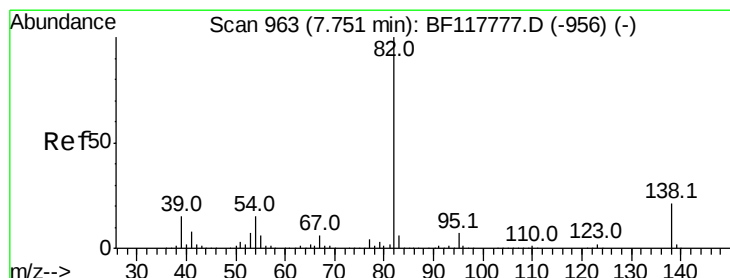
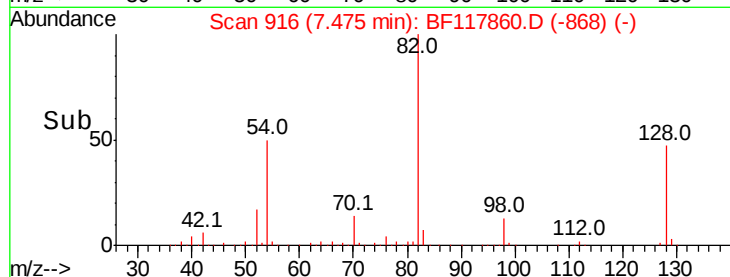
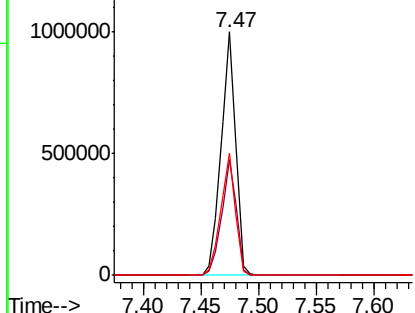
#23
Nitrobenzene-d5
Concen: 62.804 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.9	58.3
54	50.0	39.8	59.6

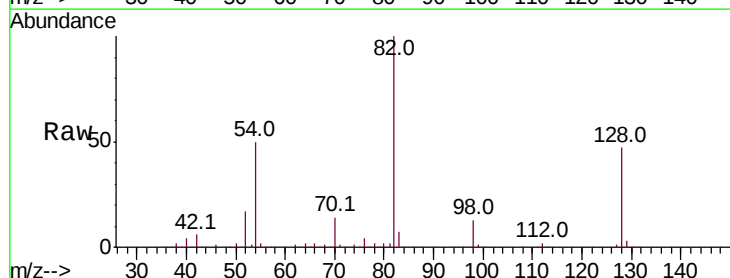


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

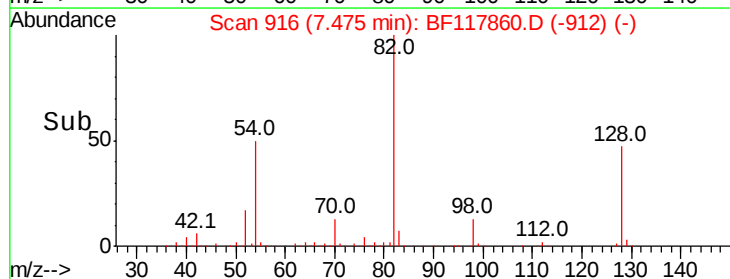
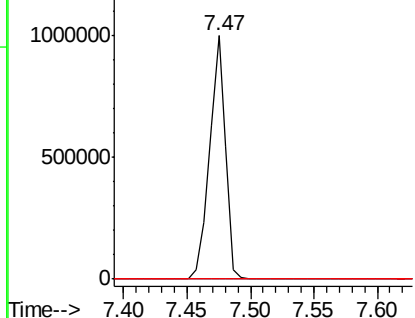


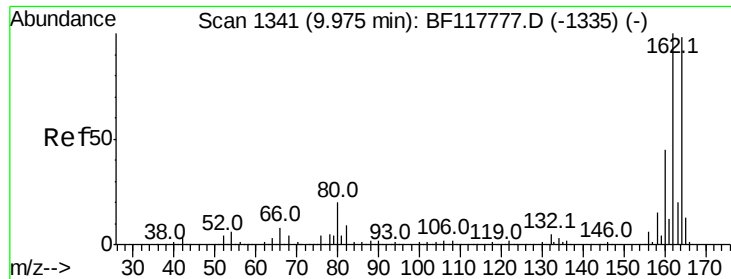
#25
Isophorone
Concen: 34.050 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.28 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

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

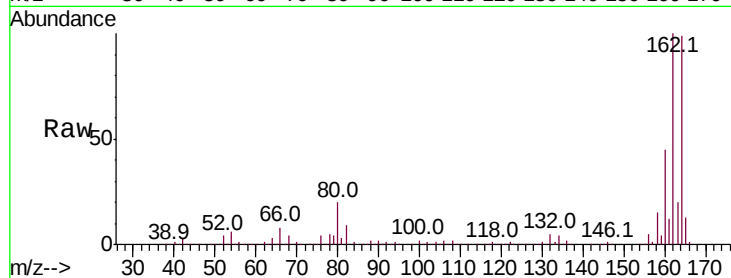




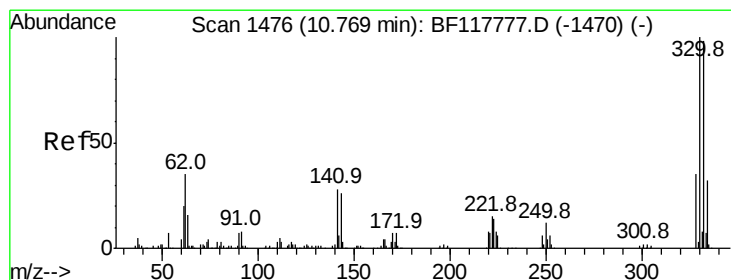
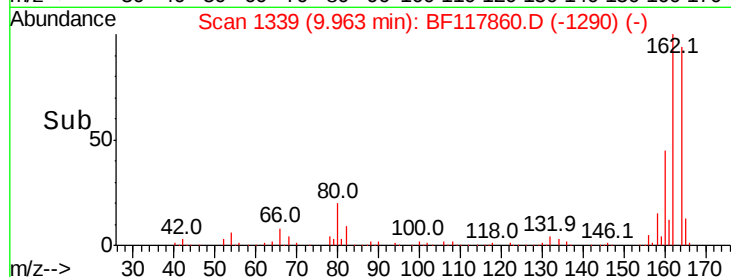
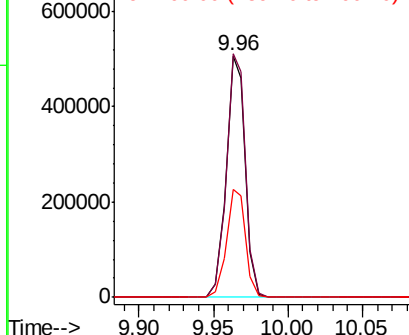
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 457249
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 44.9 36.6 55.0

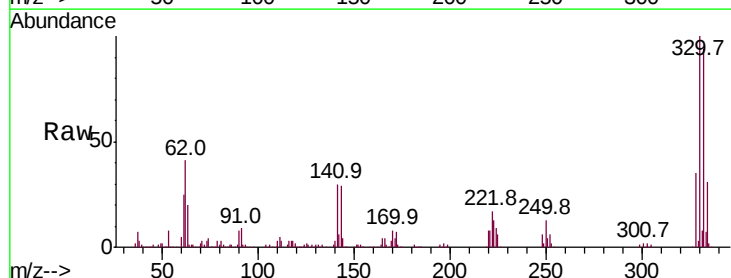


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

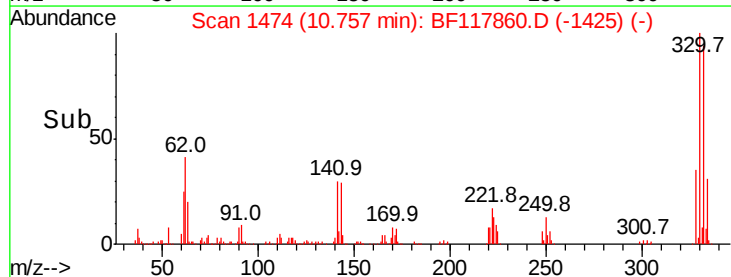
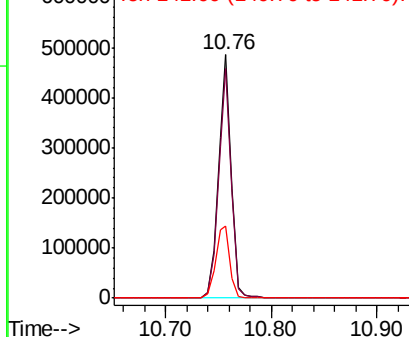


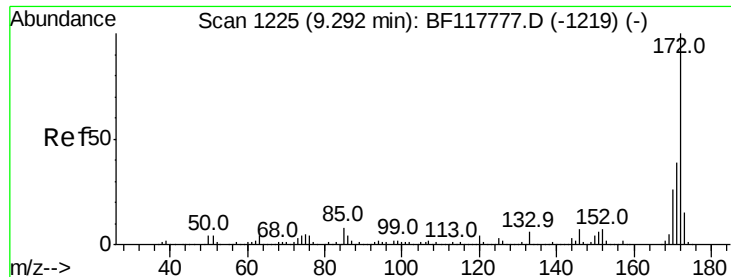
#42
2,4,6-Tribromophenol
Concen: 85.572 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion:330 Resp: 414239
Ion Ratio Lower Upper
330 100
332 94.4 76.7 115.1
141 33.4 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

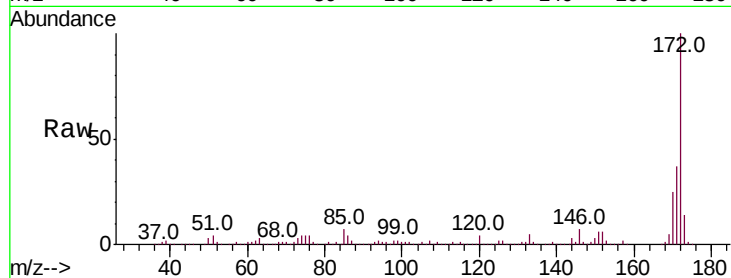




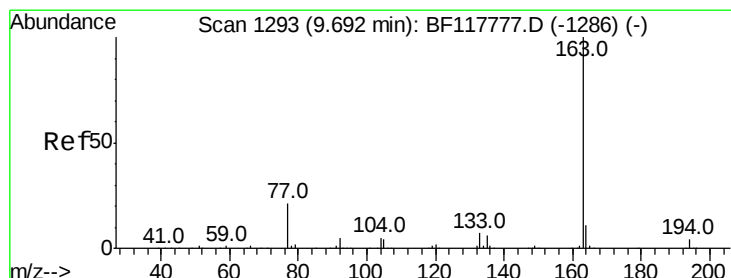
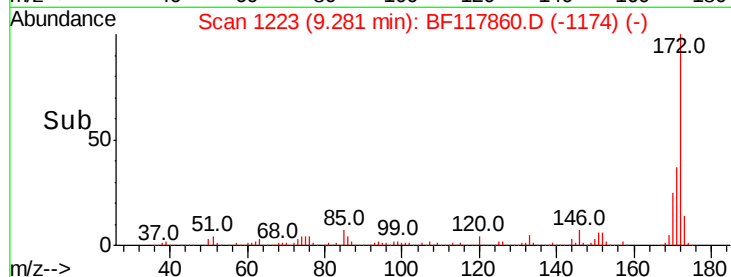
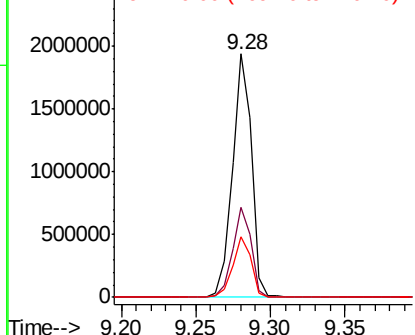
#45
2-Fluorobiphenyl
Concen: 68.710 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1751234
Ion Ratio Lower Upper
172 100
171 37.2 30.9 46.3
170 25.1 21.0 31.4

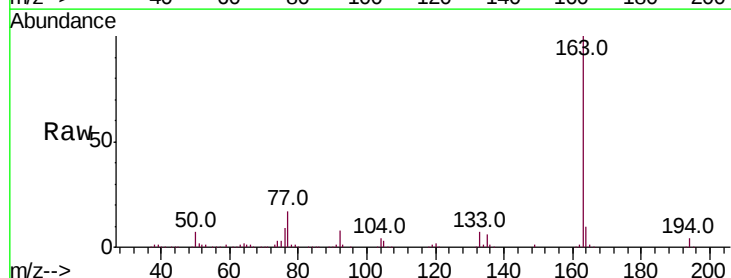


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

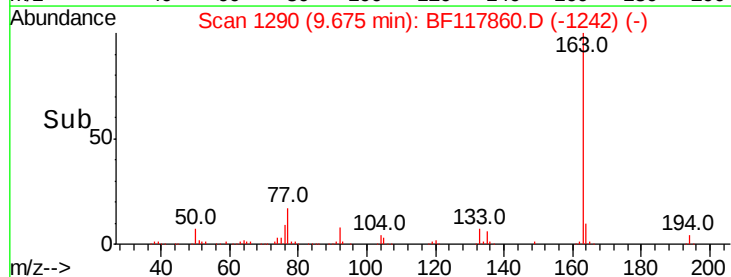
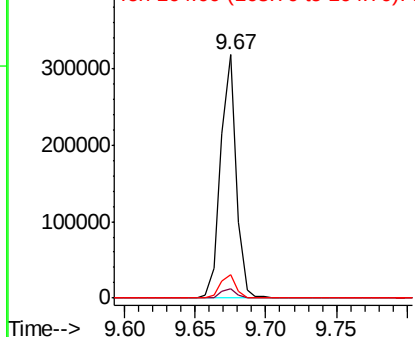


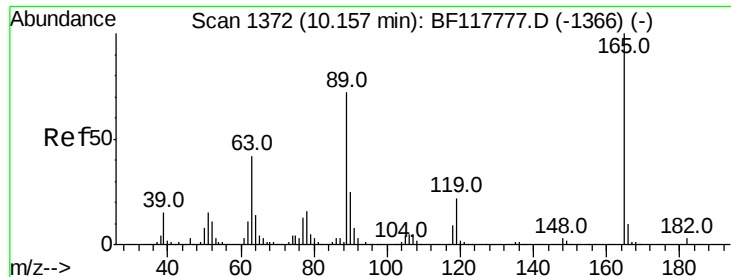
#50
Dimethylphthalate
Concen: 7.619 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion:163 Resp: 244294
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.8 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

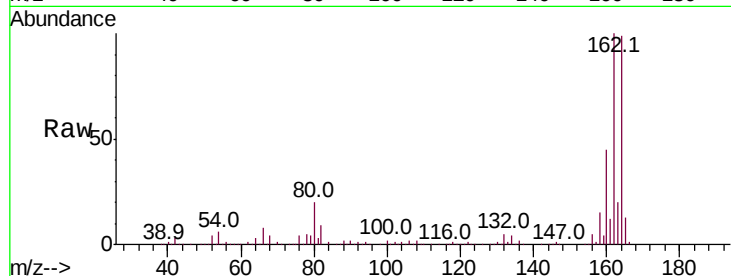




#57
2,4-Dinitrotoluene
Concen: 6.800 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.19 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.7	50.5#
89	1.4	57.3	85.9#
182	0.0	2.3	3.5#



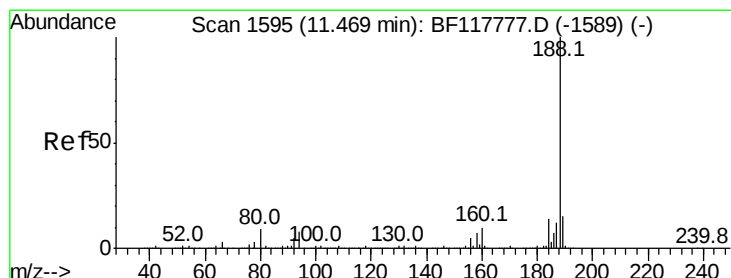
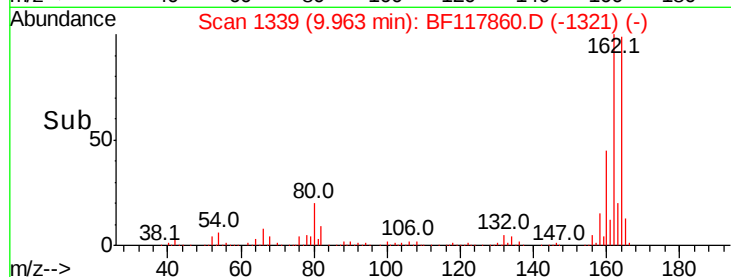
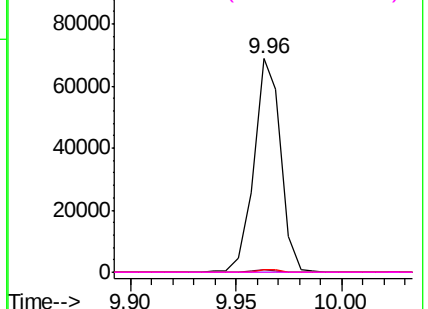
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

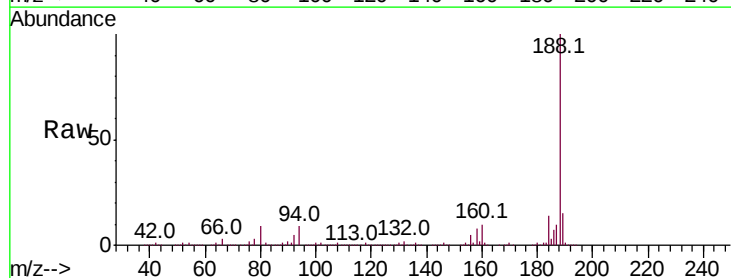
Ion 89.00 (88.70 to 89.70): BF1

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: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.4	7.2	10.8

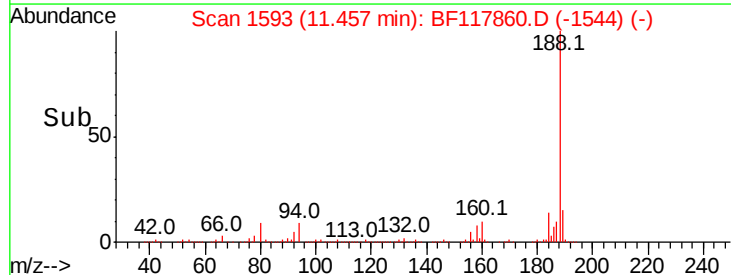
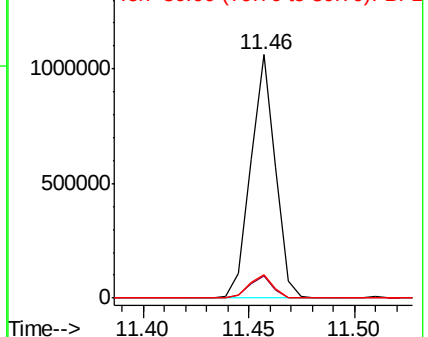


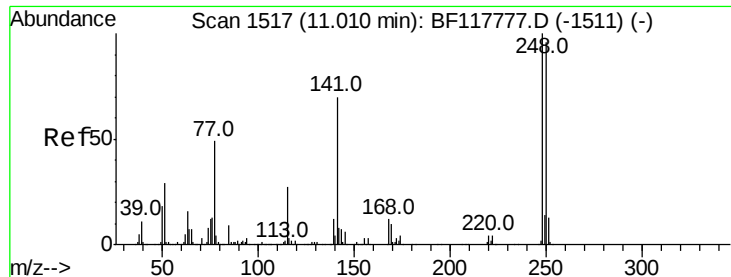
Abundance

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

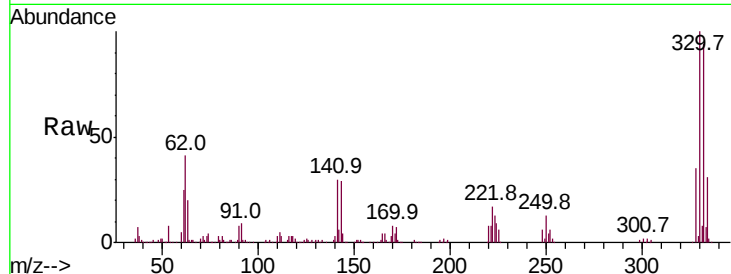




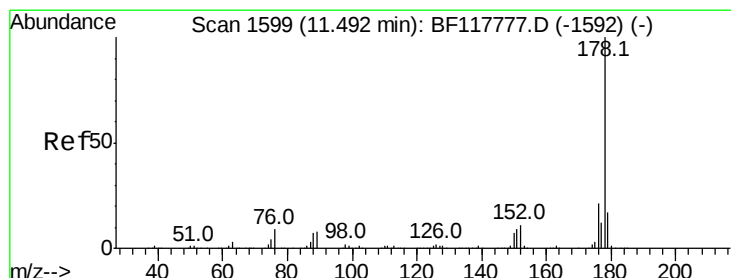
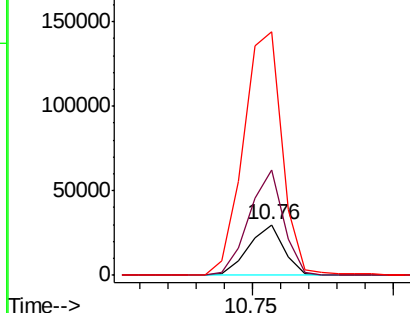
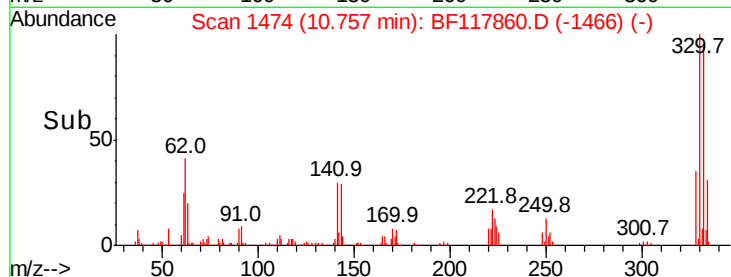
#67
 4-Bromophenyl-phenylether
 Concen: 2.811 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.25 min
 Lab File: BF117860.D
 Acq: 19 Nov 2019 15:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 26081
 Ion Ratio Lower Upper
 248 100
 250 207.0 76.6 115.0#
 141 477.8 55.9 83.9#

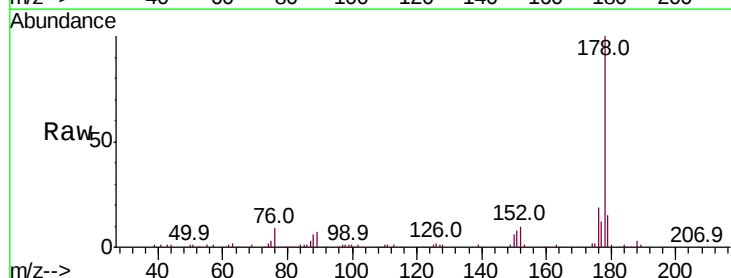


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

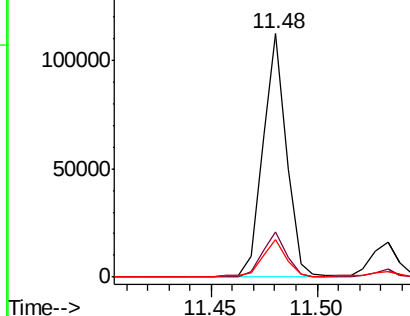
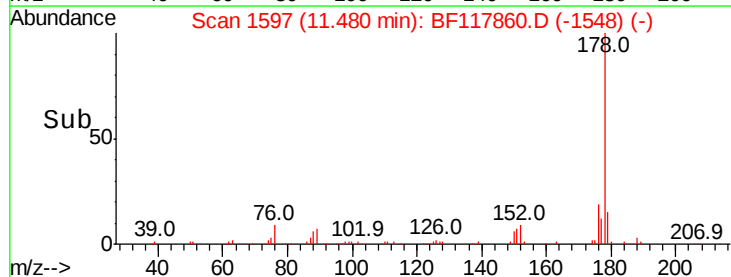


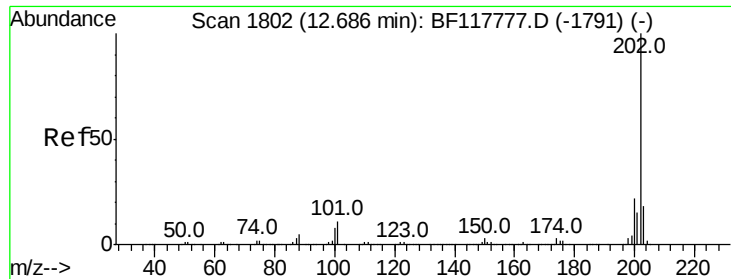
#71
 Phenanthrene
 Concen: 2.023 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF117860.D
 Acq: 19 Nov 2019 15:36

Tgt Ion:178 Resp: 87476
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.6 25.0
 179 15.5 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: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

Instrument :

BNA_F

ClientSampled :

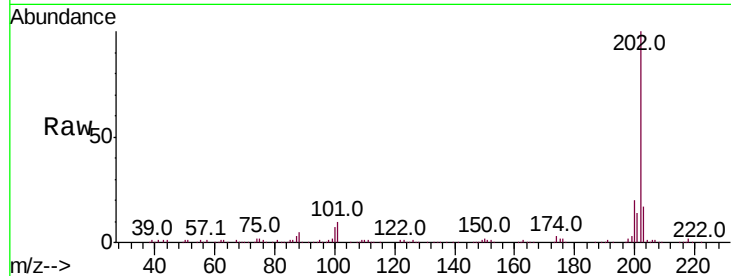
Tot Ion:202 Resp: 183954

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.1

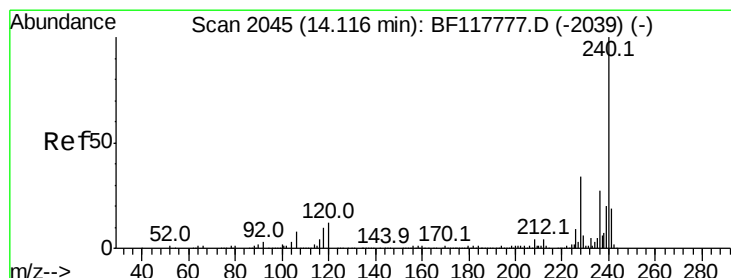
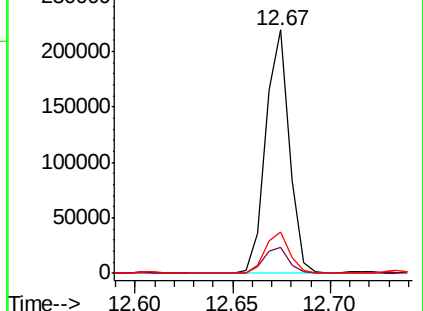
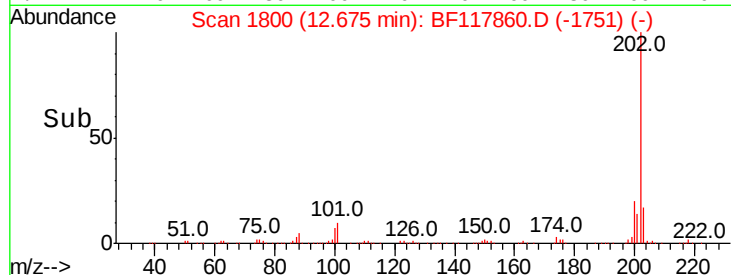
203 17.2 0.0 38.2



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: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

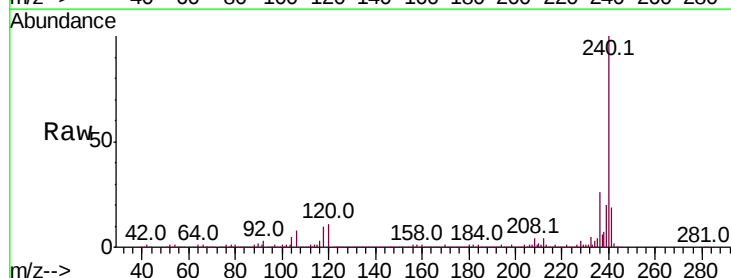
Tgt Ion:240 Resp: 561032

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

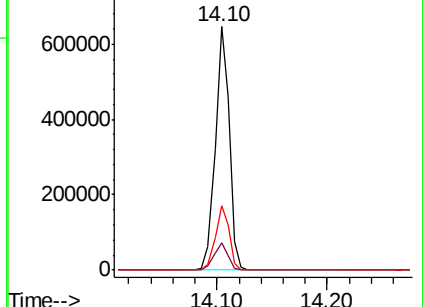
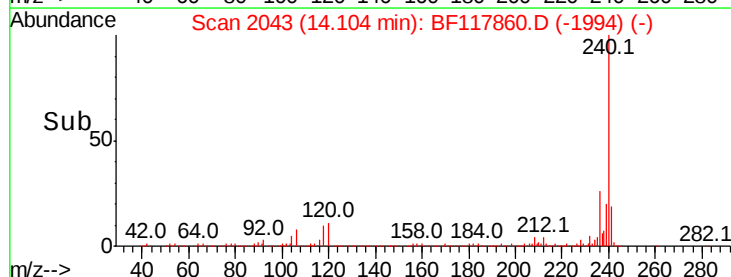
236 26.4 21.3 31.9

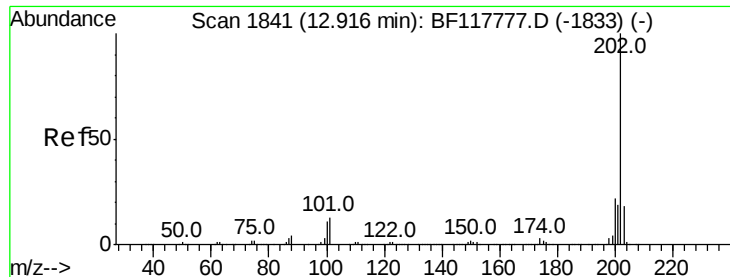


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

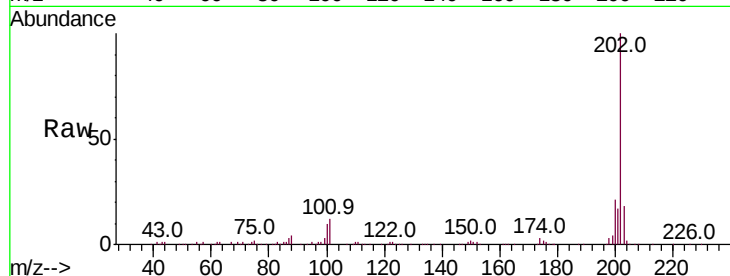




#78
Pvrene
Concen: 4.022 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.8
203	18.1	14.6	22.0

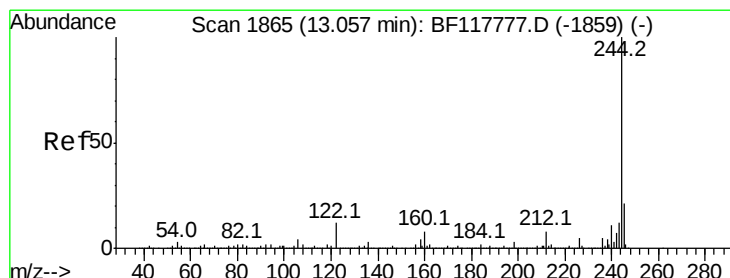
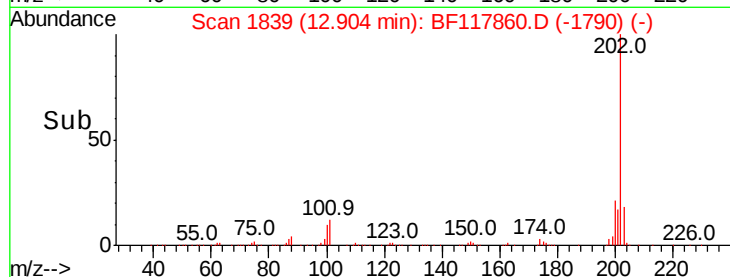
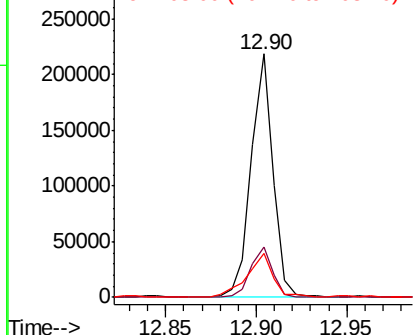


Abundance

Ion 202.00 (201.70 to 202.70): E

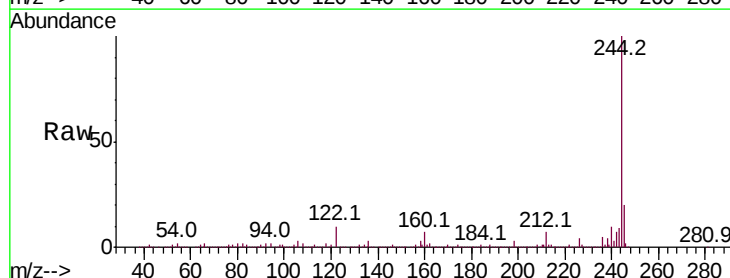
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 65.711 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117860.D
Acq: 19 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	10.4	9.4	14.2

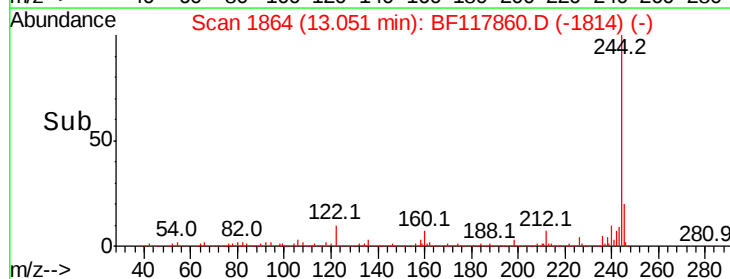
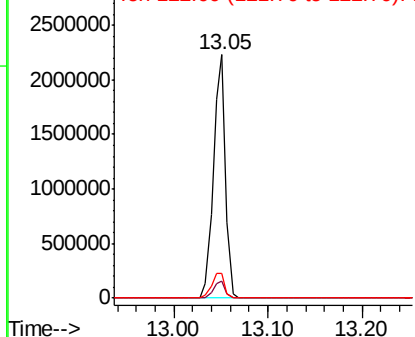


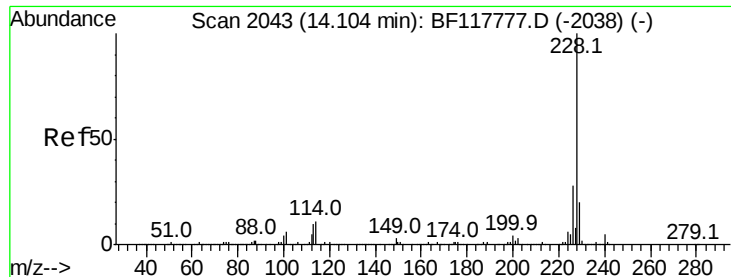
Abundance

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: 2.281 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

Instrument :

BNA_F

ClientSampled :

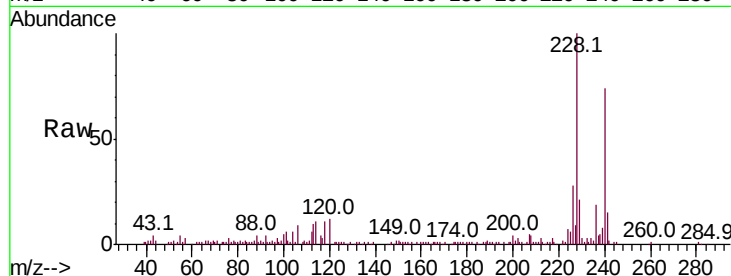
Tot Ion:228 Resp: 84572

Ion Ratio Lower Upper

228 100

226 27.9 22.2 33.2

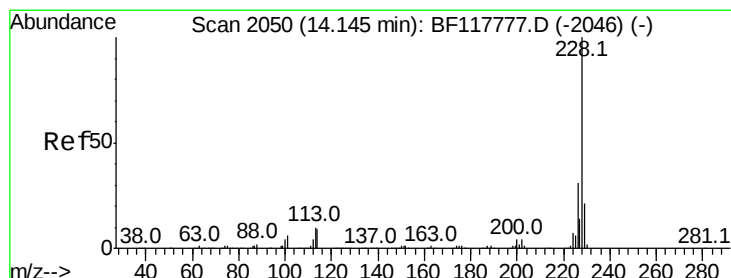
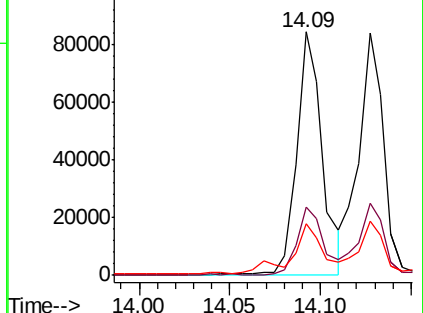
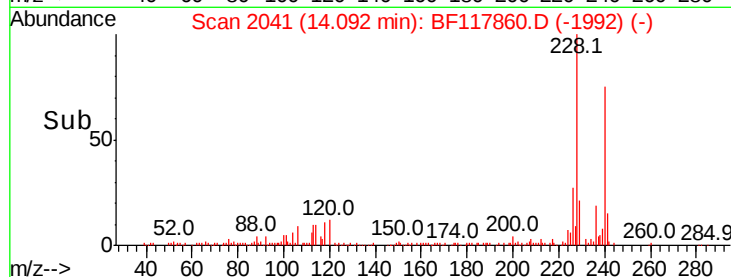
229 21.4 15.9 23.9



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: 2.257 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

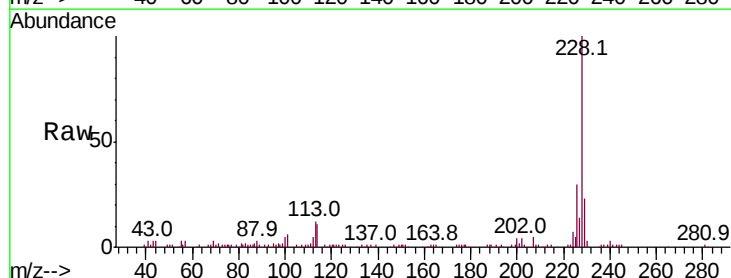
Tgt Ion:228 Resp: 81094

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.4

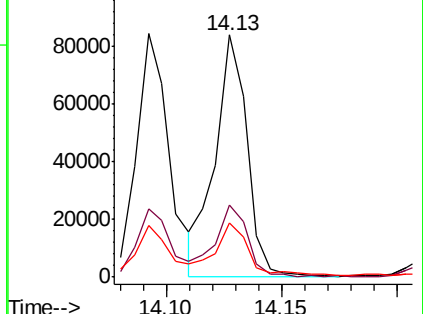
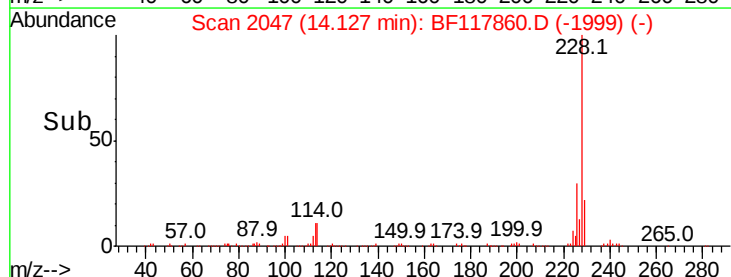
229 22.5 16.6 25.0

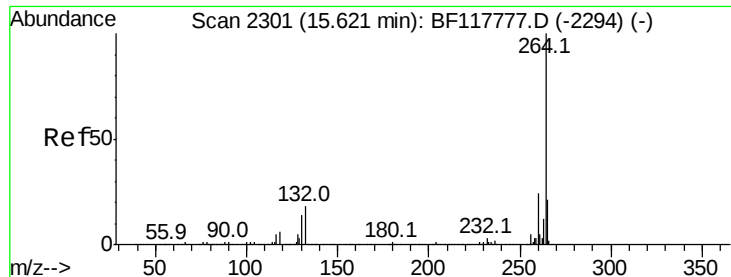


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

Instrument :

BNA_F

ClientSampled :

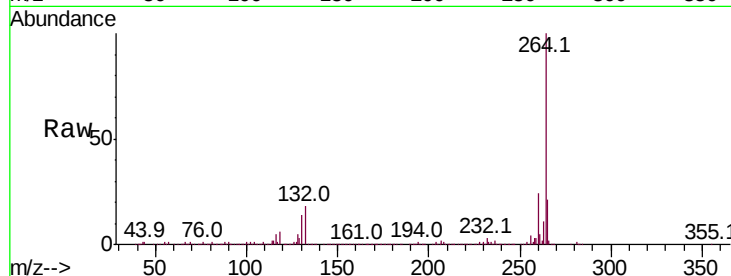
Tot Ion:264 Resp: 517516

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

265 21.5 17.1 25.7

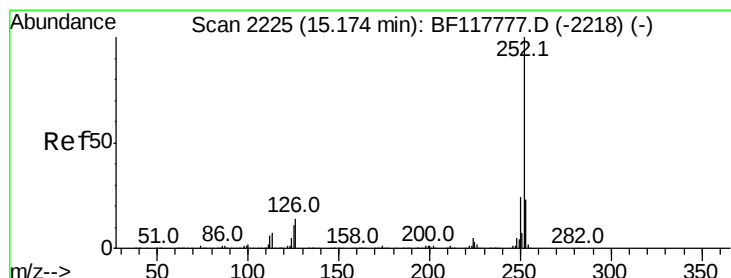
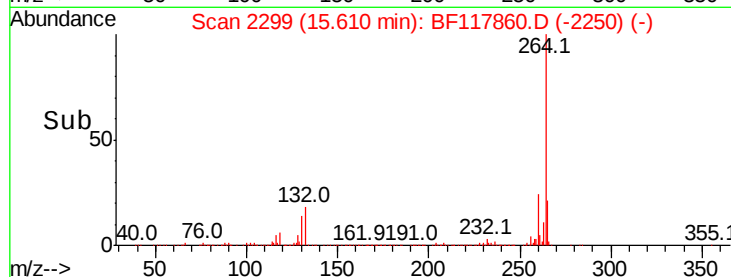
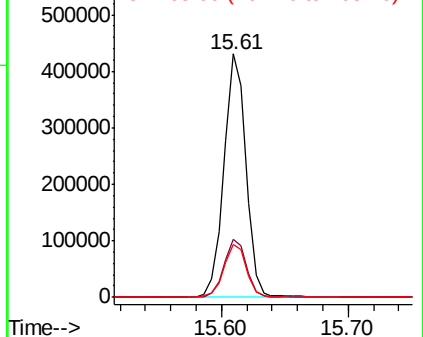


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.313 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

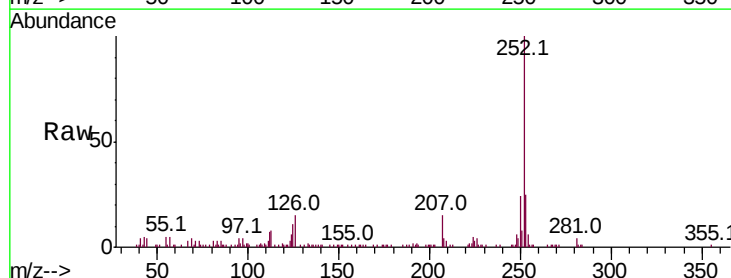
Tgt Ion:252 Resp: 111400

Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

125 11.3 8.6 13.0

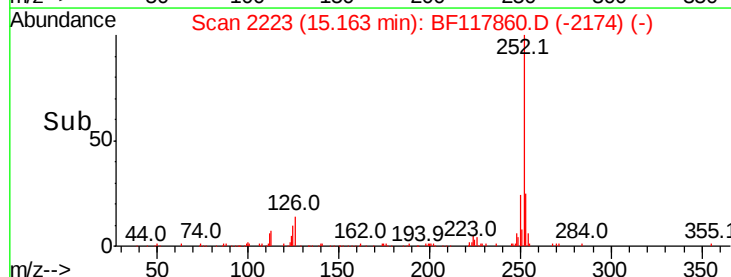
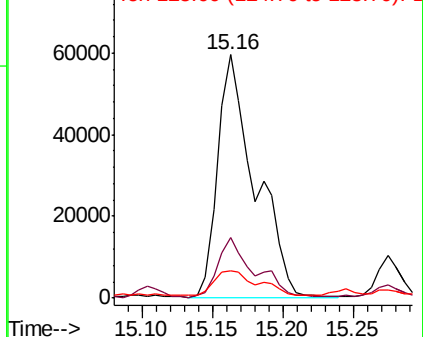


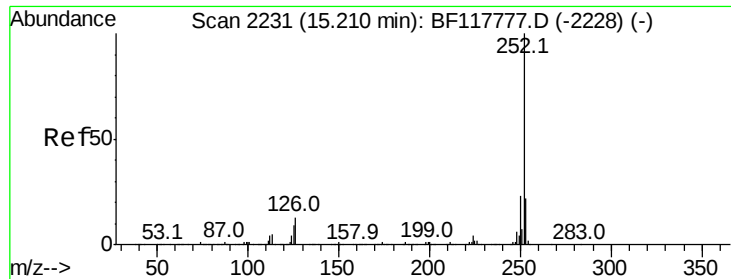
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 3.516 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.05 min

Lab File: BF117860.D

Acq: 19 Nov 2019 15:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 111400

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 11.3 7.9 11.9

