

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117896.D
 Acq On : 20 Nov 2019 16:39
 Operator : JU
 Sample : K5904-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 03:07:05 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

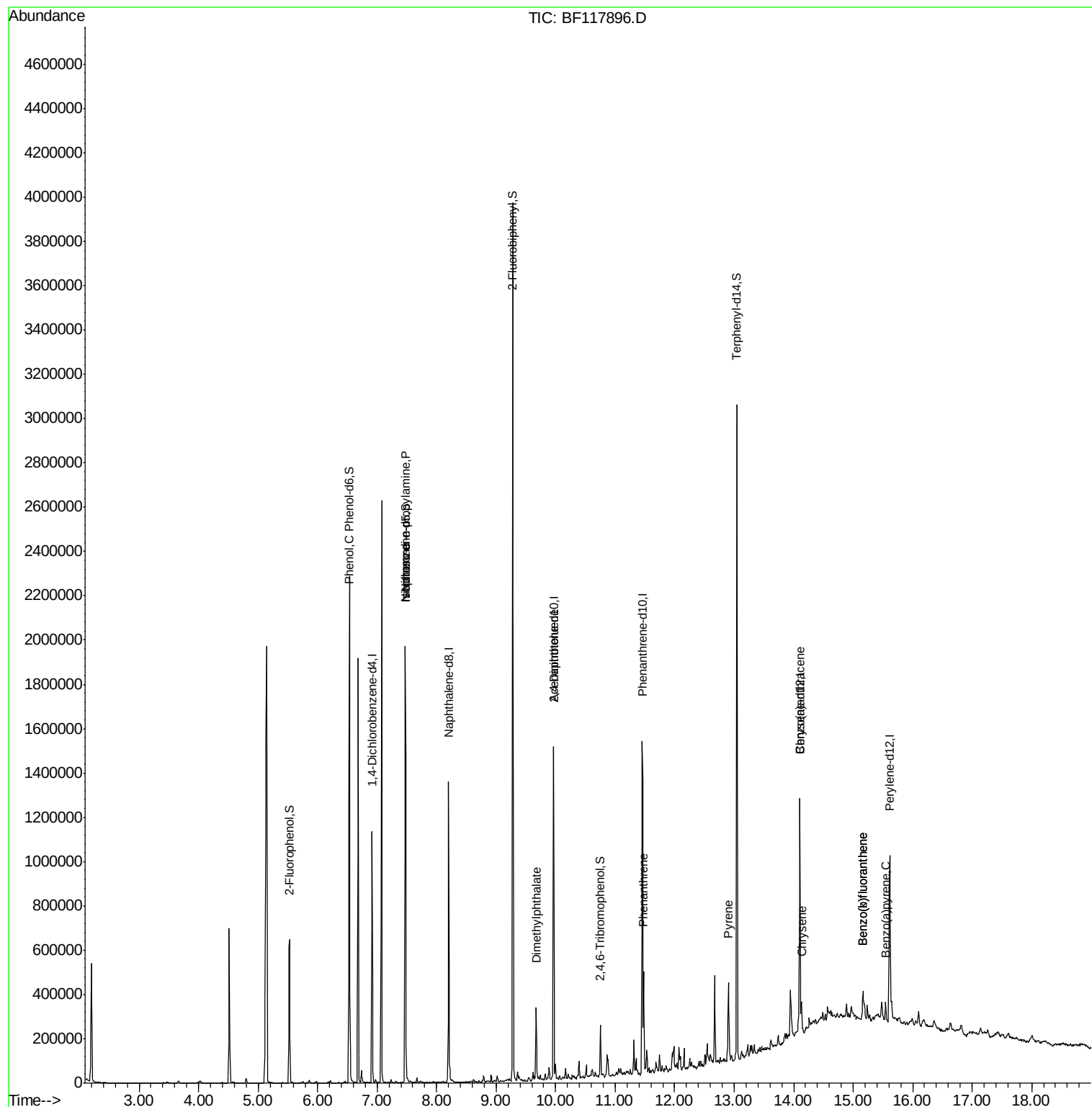
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	147128	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	590401	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	319854	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	568177	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	326147	20.00	ng	-0.01
87) Perylene-d12	15.62	264	343482	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	180198	21.68	ng	0.00
7) Phenol-d6	6.53	99	803782	80.17	ng	-0.01
23) Nitrobenzene-d5	7.47	82	601268	60.54	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	24601	7.26	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1096484	61.50	ng	-0.01
79) Terphenyl-d14	13.04	244	983253	55.10	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	1009	Below Cal		Qvalue # 73
10) Phenol	6.55	94	38358	3.682	ng	94
19) n-Nitroso-di-n-propylamine	7.47	70	82773	13.383	ng	# 76
25) Isophorone	7.47	82	595522	32.715	ng	# 62
50) Dimethylphthalate	9.67	163	121257	5.406	ng	98
57) 2,4-Dinitrotoluene	9.96	165	42742	6.854	ng	# 25
71) Phenanthrene	11.48	178	152388	5.335	ng	97
75) Fluoranthene	12.67	202	138851	Below Cal		98
78) Pyrene	12.90	202	130332	4.945	ng	97
81) Benzo(a)anthracene	14.10	228	58524	2.715	ng	94
83) Chrysene	14.13	228	57163	2.737	ng	97
88) Benzo(b)fluoranthene	15.16	252	90356	4.049	ng	# 92
89) Benzo(k)fluoranthene	15.16	252	90356	4.297	ng	# 91
90) Benzo(a)pyrene	15.54	252	41889	2.135	ng	# 92

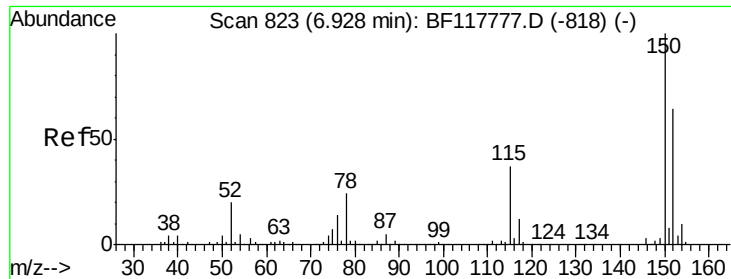
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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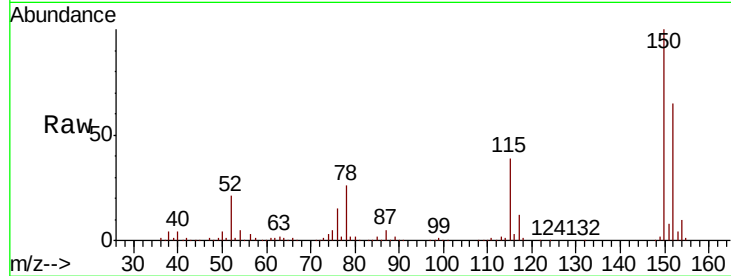


#1

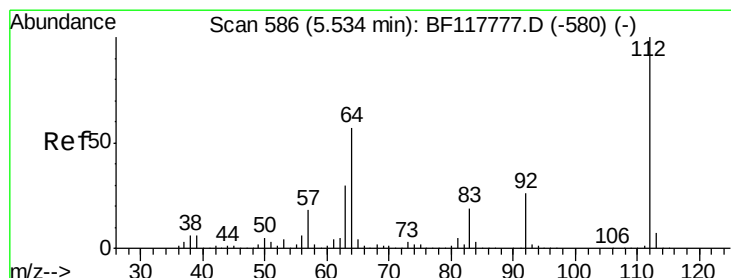
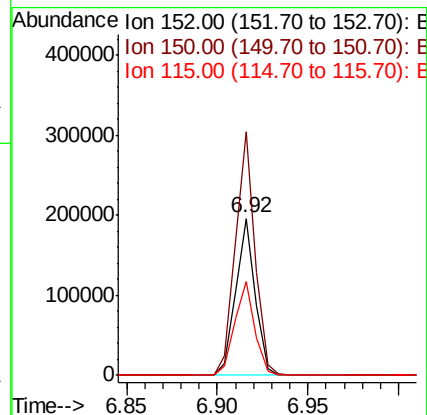
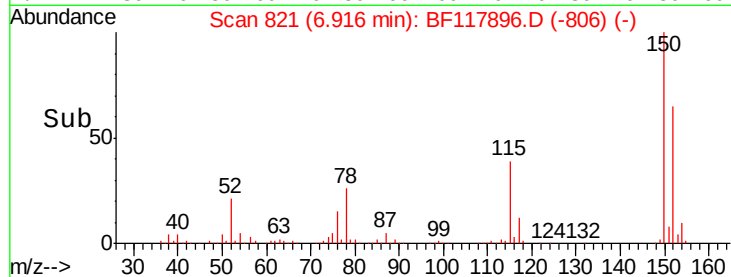
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147128
Ion Ratio Lower Upper
152 100
150 155.0 125.3 187.9
115 59.9 47.0 70.4



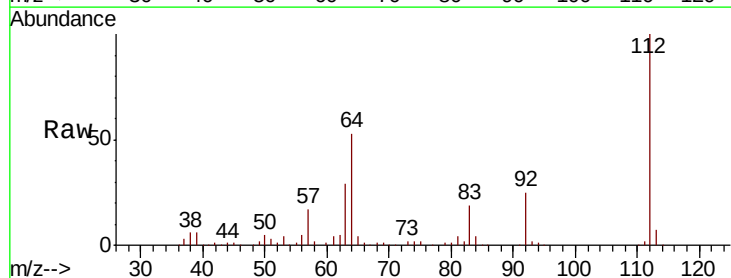
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



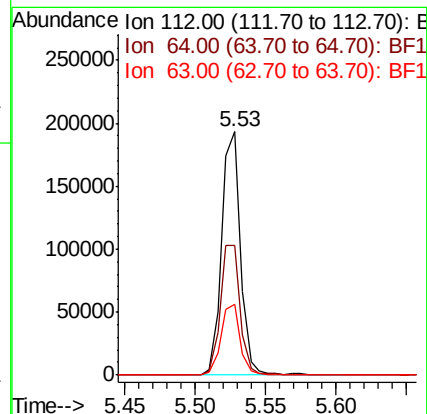
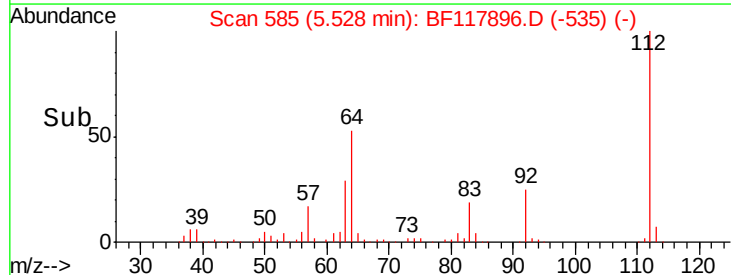
#5

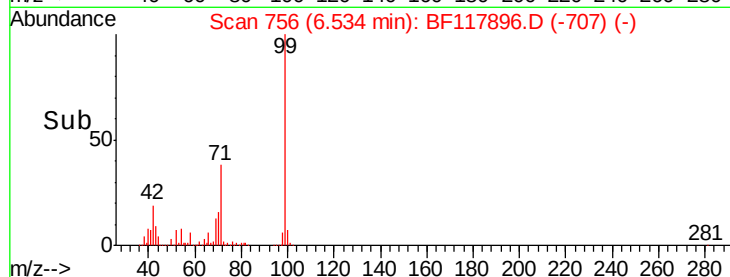
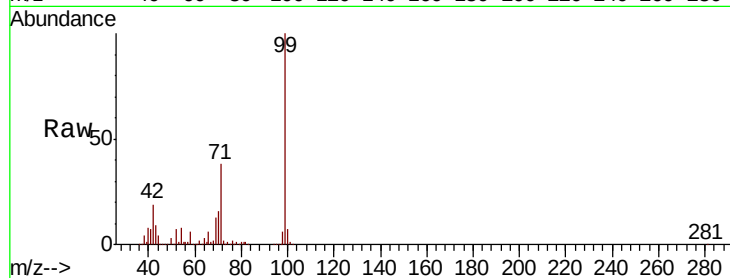
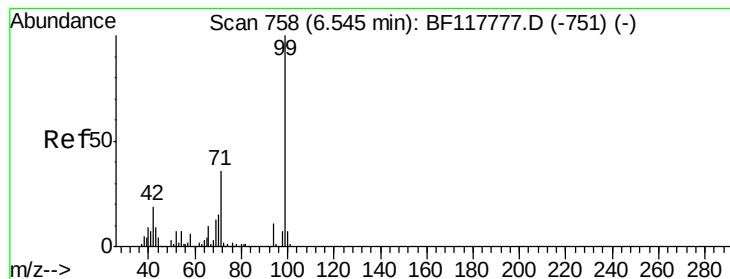
2-Fluorophenol
Concen: 21.680 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion:112 Resp: 180198
Ion Ratio Lower Upper
112 100
64 53.1 45.6 68.4
63 29.1 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: 80.175 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117896.D

Acq: 20 Nov 2019 16:39

Instrument :

BNA_F

ClientSampleId :

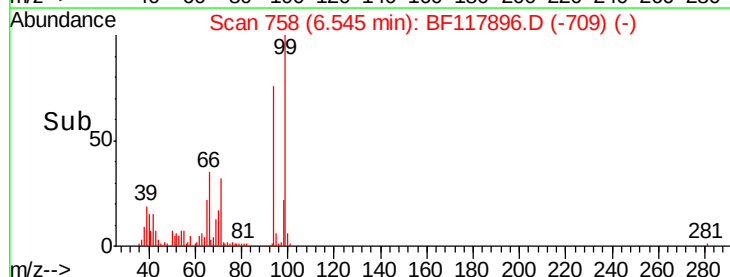
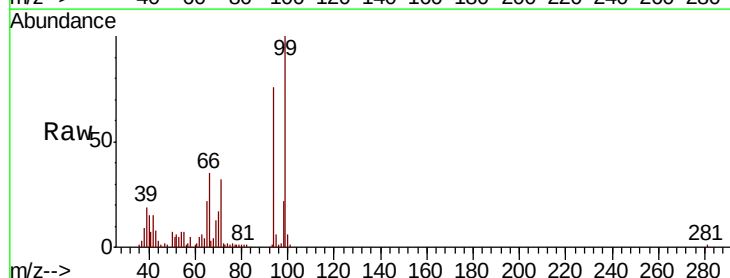
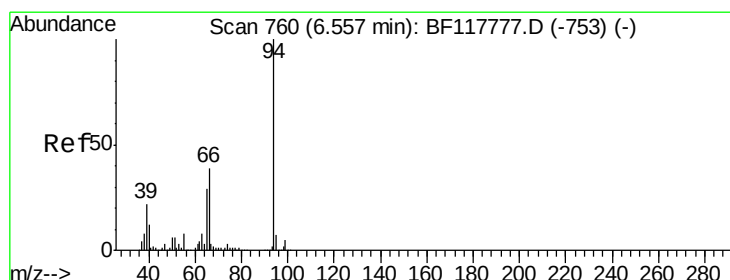
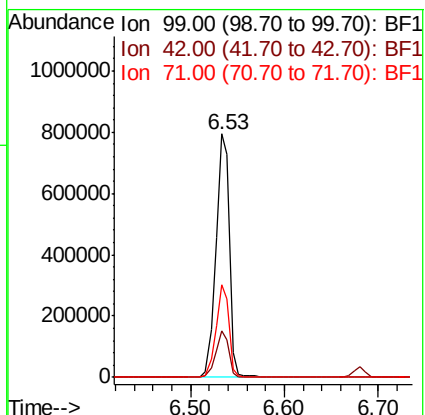
Tot Ion: 99 Resp: 803782

Ion Ratio Lower Upper

99 100

42 19.2 14.9 22.3

71 37.9 28.6 43.0



#10

Phenol

Concen: 3.682 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117896.D

Acq: 20 Nov 2019 16:39

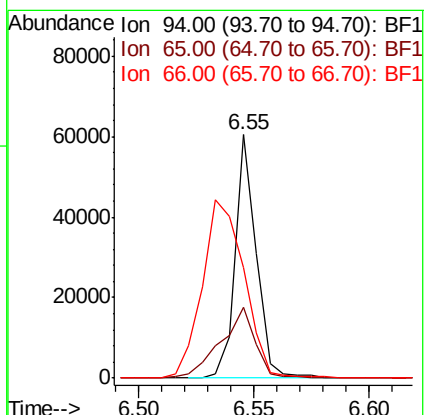
Tgt Ion: 94 Resp: 38358

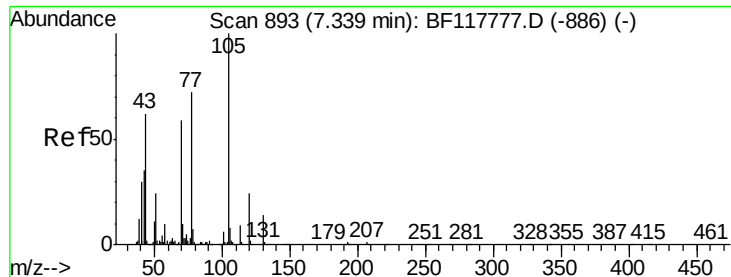
Ion Ratio Lower Upper

94 100

65 29.0 8.9 48.9

66 45.5 18.7 58.7

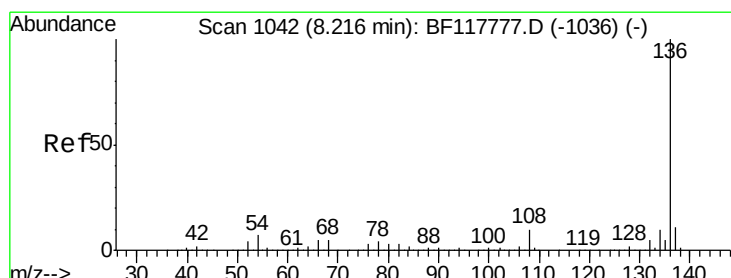
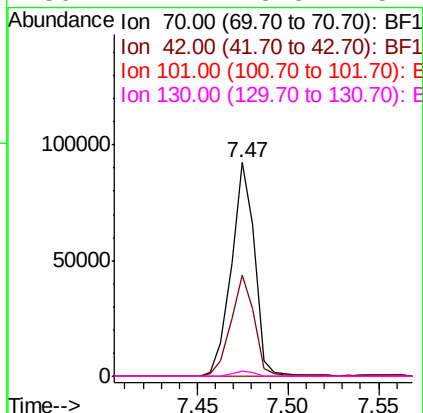
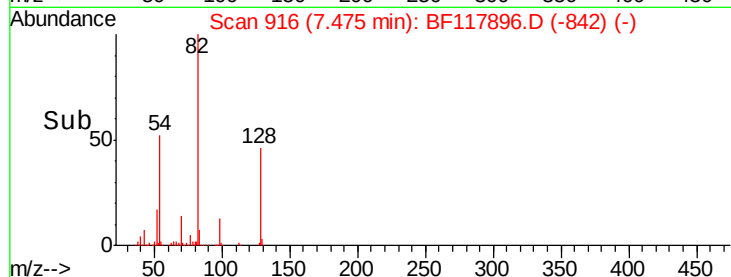
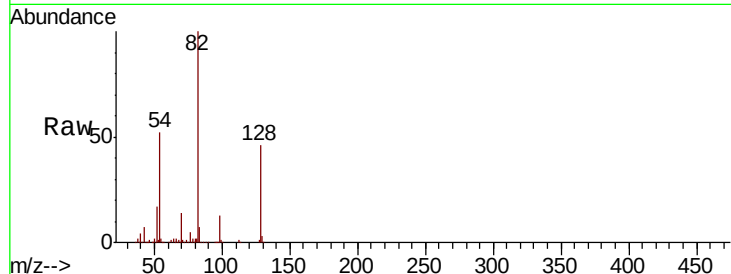




#19
n-Nitroso-di-n-propylamine
Concen: 13.383 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

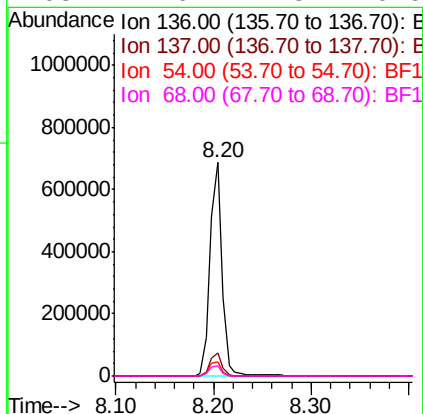
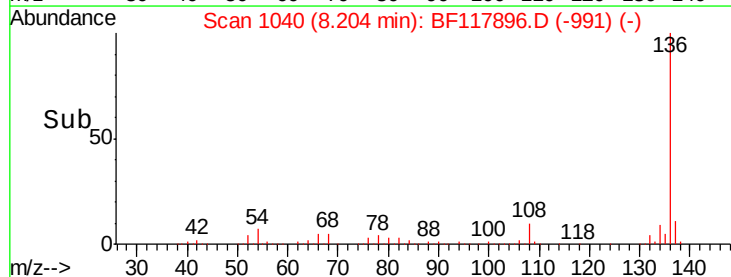
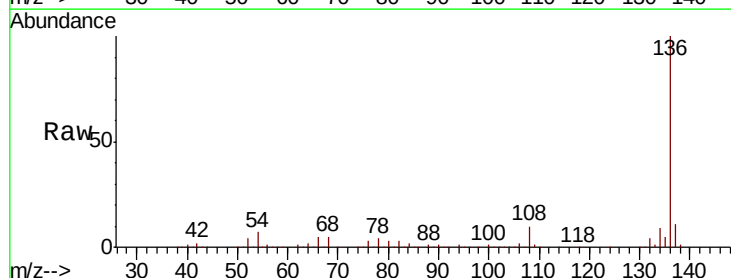
Instrument :
BNA_F
ClientSampleId :

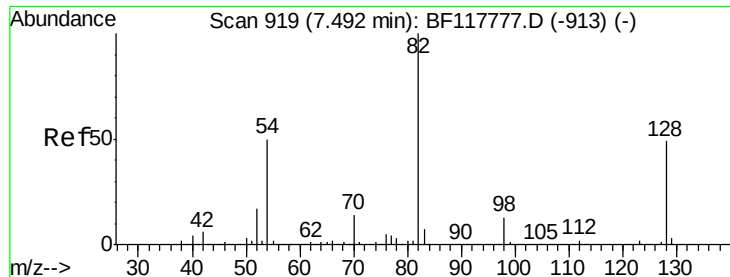
Tot Ion: 70 Resp: 82773
Ion Ratio Lower Upper
70 100
42 47.5 47.4 71.2
101 0.0 8.4 12.6#
130 2.4 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion:136 Resp: 590401
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.6 5.4 8.2
68 4.6 4.3 6.5

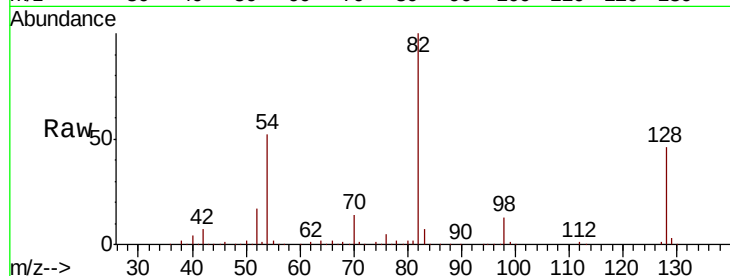




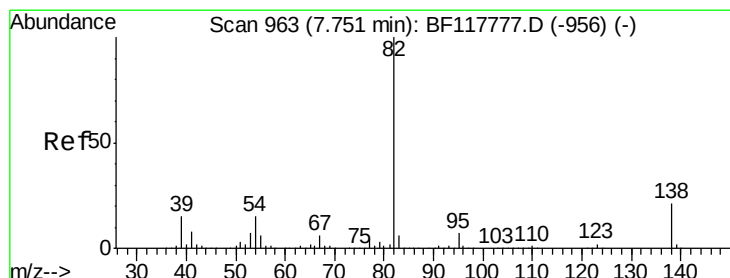
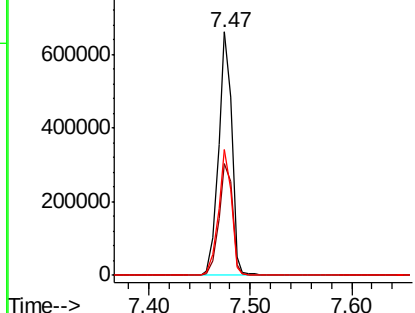
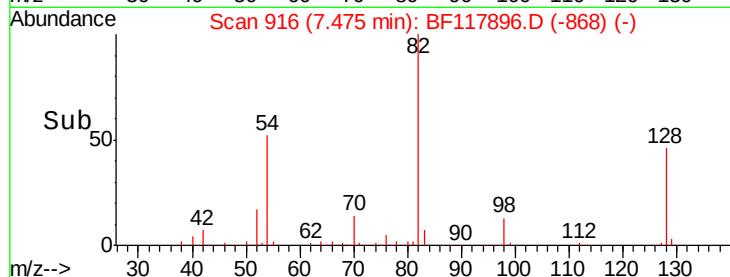
#23
Nitrobenzene-d5
Concen: 60.540 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 601268
Ion Ratio Lower Upper
82 100
128 45.7 38.9 58.3
54 51.7 39.8 59.6

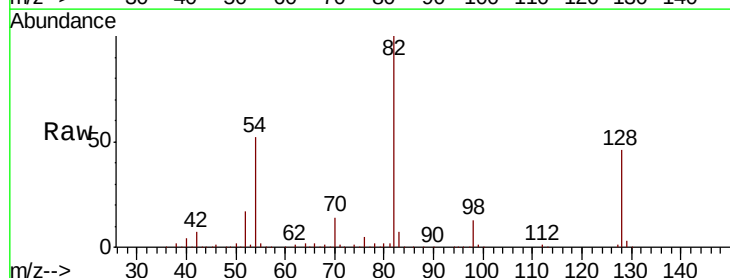


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

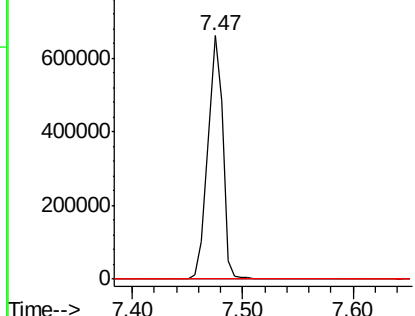
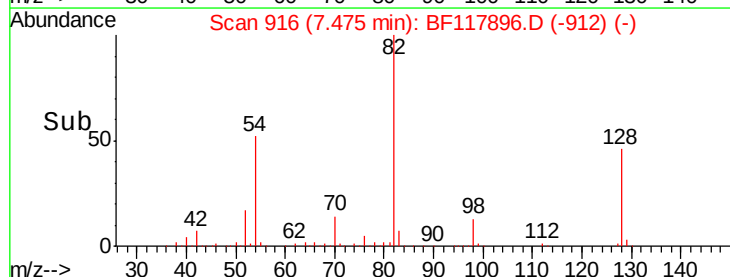


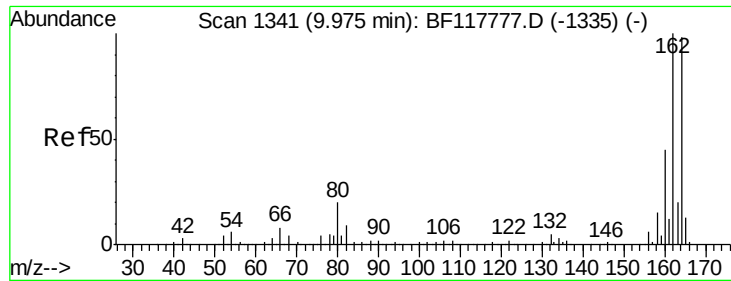
#25
Isophorone
Concen: 32.715 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.28 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion: 82 Resp: 595522
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

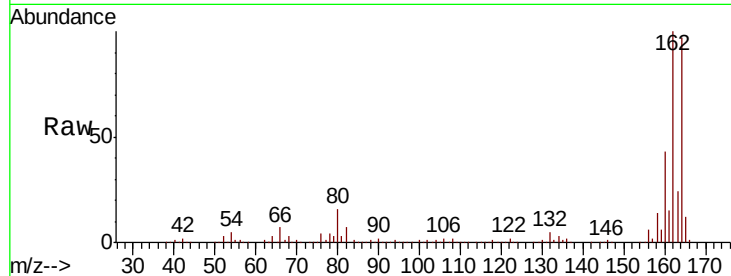




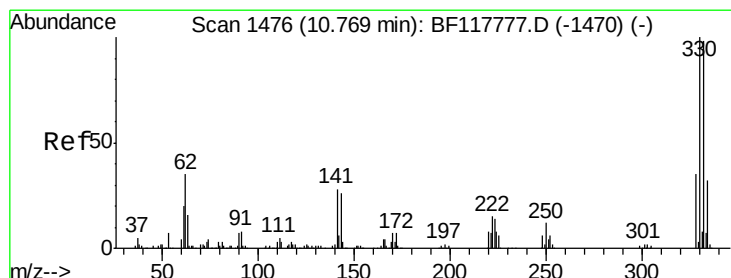
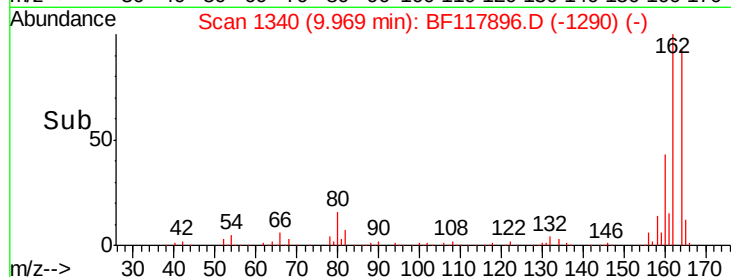
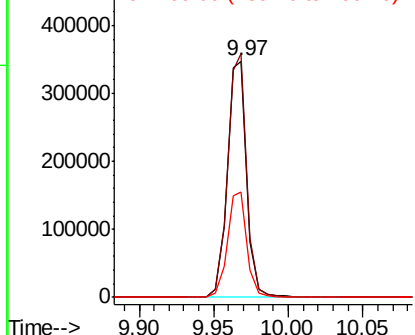
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 319854
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 44.6 36.6 55.0

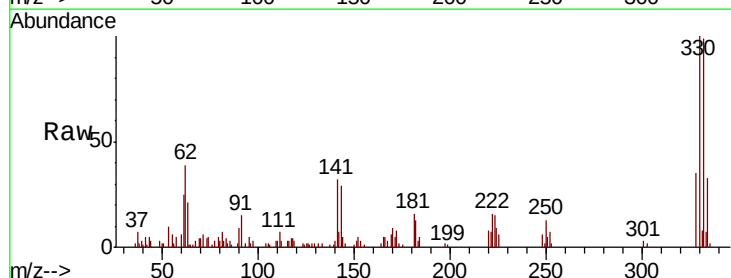


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

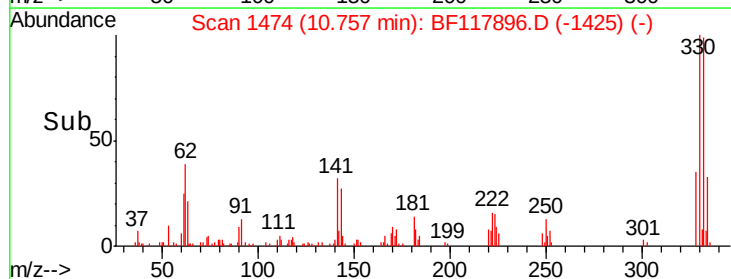
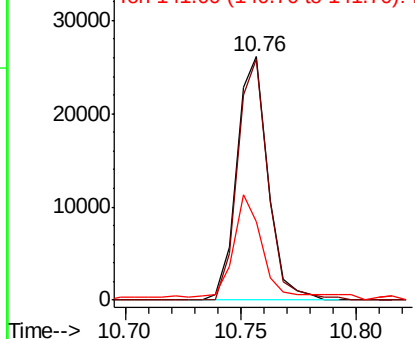


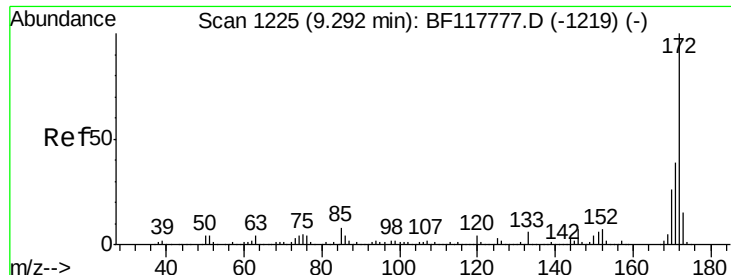
#42
2,4,6-Tribromophenol
Concen: 7.265 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion:330 Resp: 24601
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 47.2 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

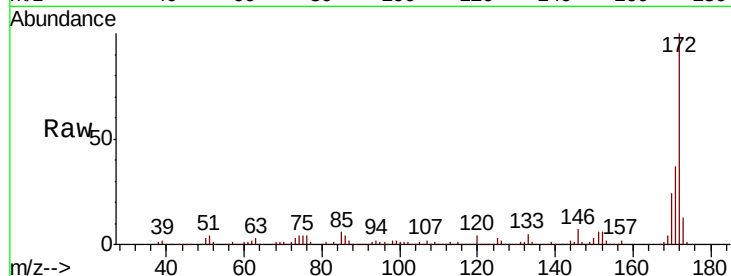




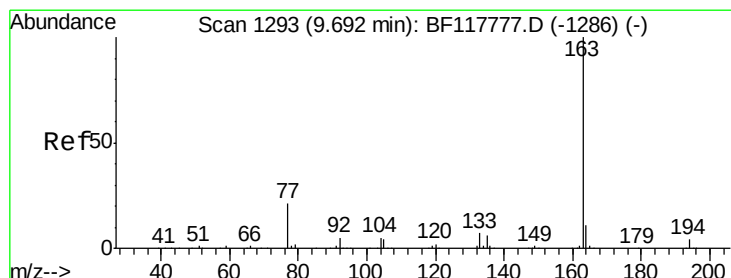
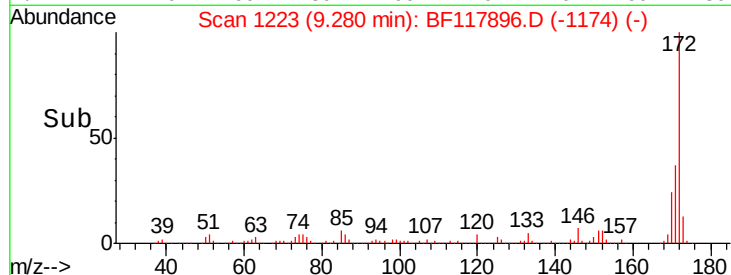
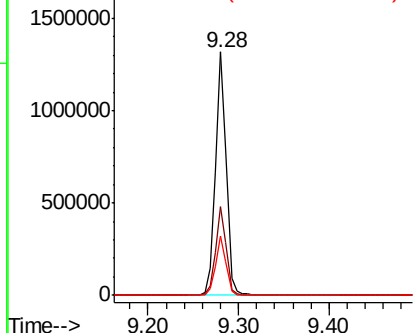
#45
2-Fluorobiphenyl
Concen: 61.501 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1096484
Ion Ratio Lower Upper
172 100
171 36.7 30.9 46.3
170 24.5 21.0 31.4

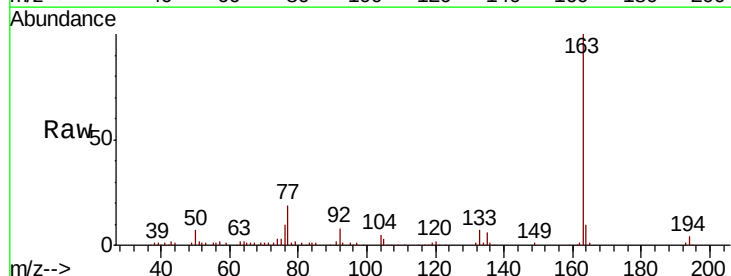


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

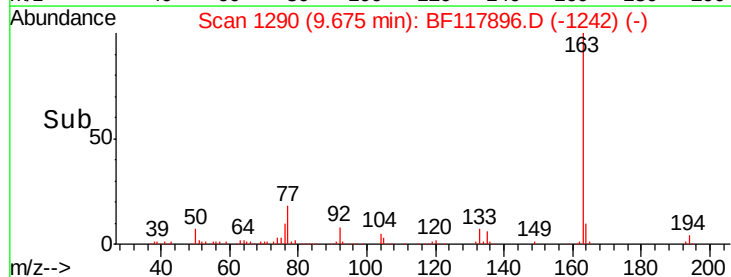
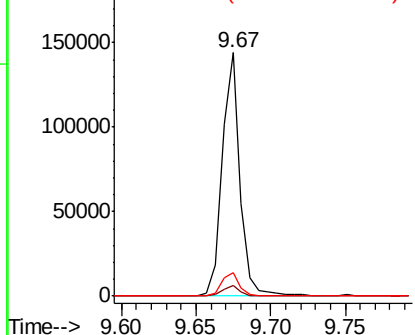


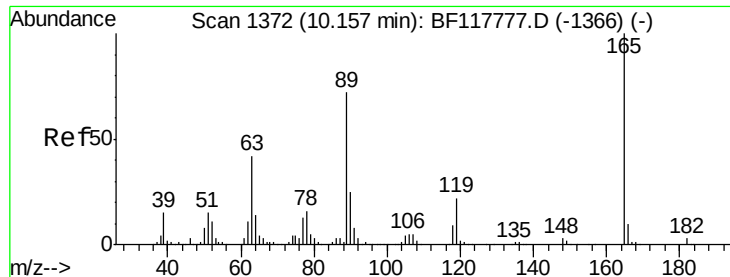
#50
Dimethylphthalate
Concen: 5.406 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion:163 Resp: 121257
Ion Ratio Lower Upper
163 100
194 4.4 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

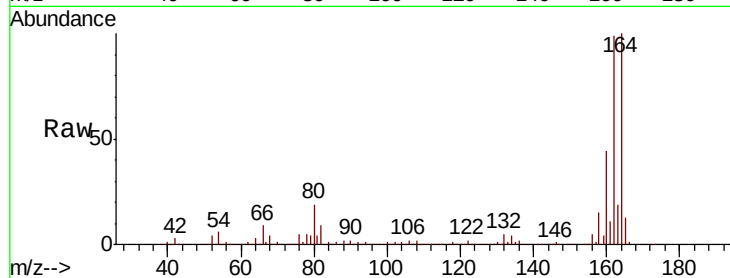




#57
 2,4-Dinitrotoluene
 Concen: 6.854 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.19 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.7	50.5#
89	1.5	57.3	85.9#
182	0.0	2.3	3.5#

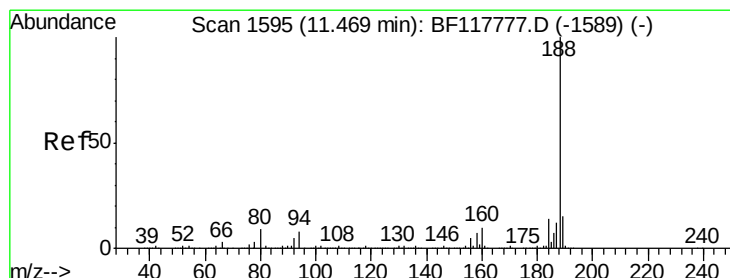
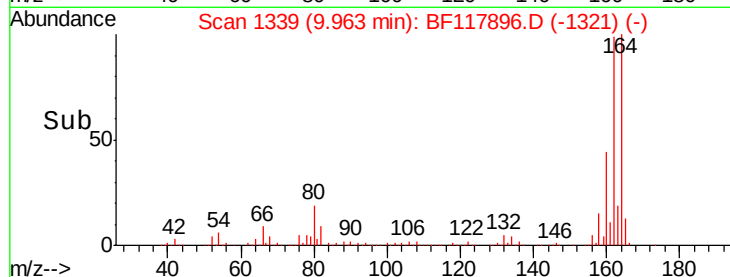
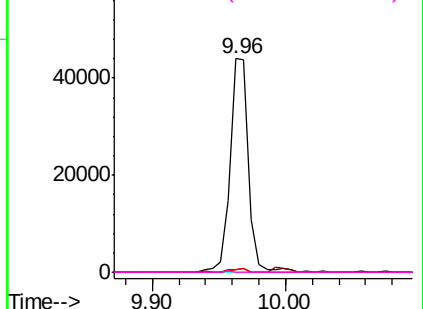


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

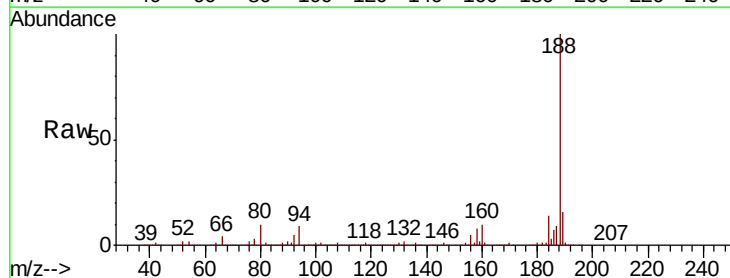
Ion 89.00 (88.70 to 89.70): BF1

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: BF117896.D
 Acq: 20 Nov 2019 16:39

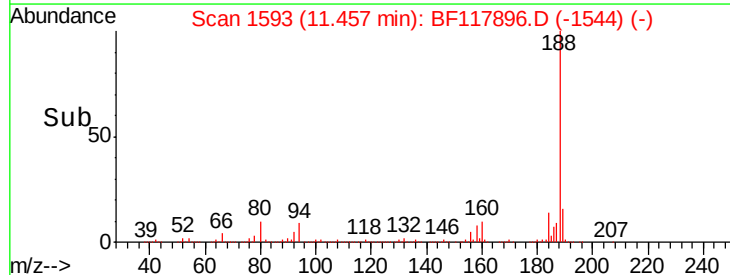
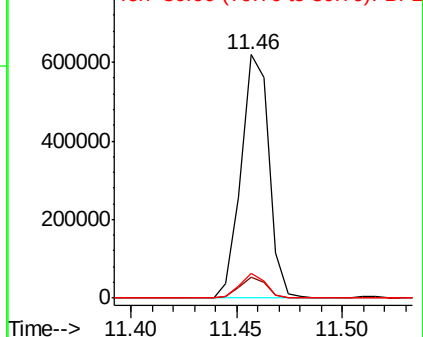
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	10.0	7.2	10.8

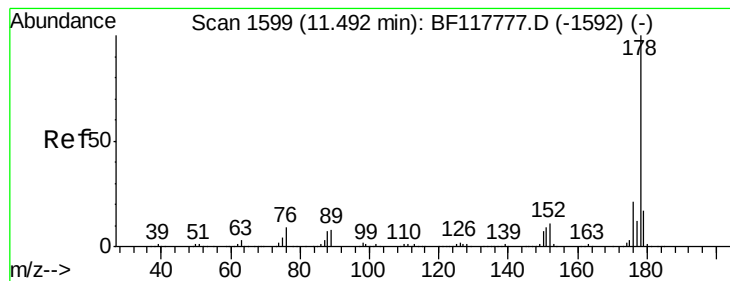


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 5.335 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117896.D

Acq: 20 Nov 2019 16:39

Instrument :

BNA_F

ClientSampled :

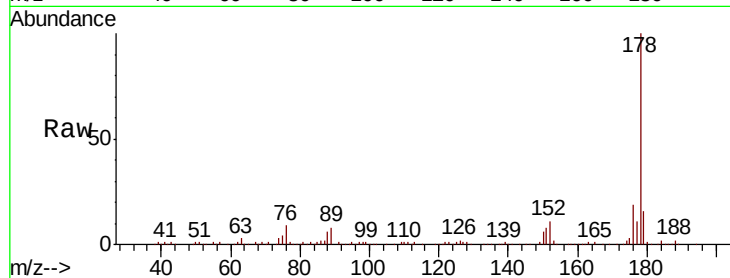
Tot Ion:178 Resp: 152388

Ion Ratio Lower Upper

178 100

176 18.8 16.6 25.0

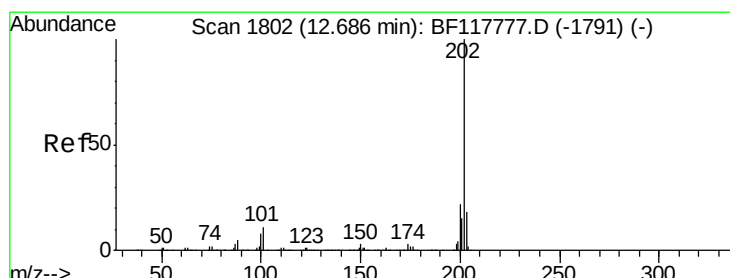
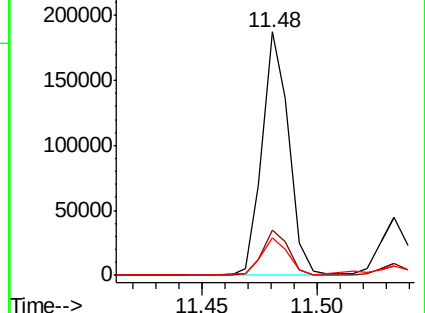
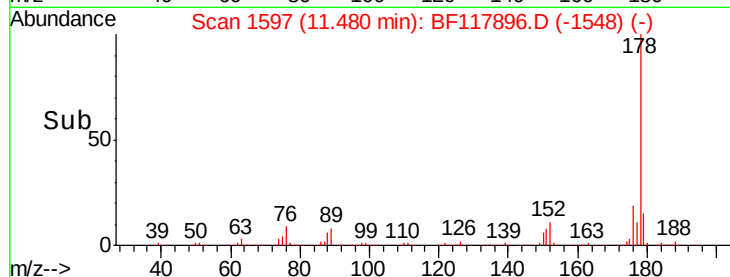
179 15.7 13.2 19.8



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: BF117896.D

Acq: 20 Nov 2019 16:39

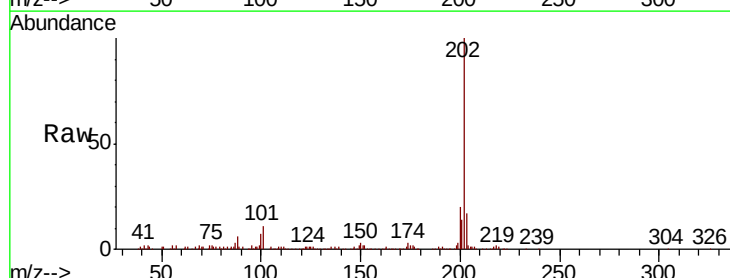
Tgt Ion:202 Resp: 138851

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.1

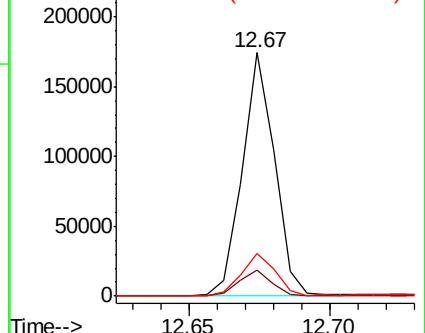
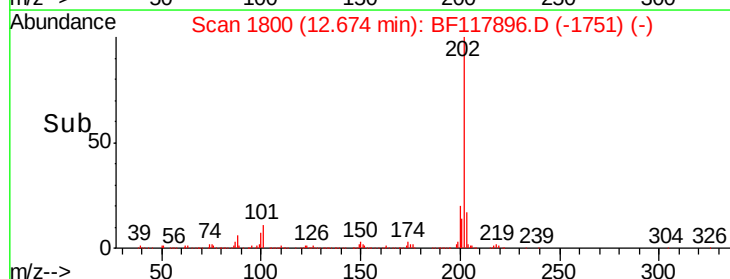
203 17.5 0.0 38.2

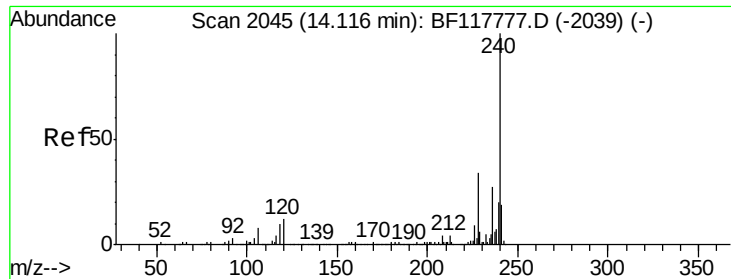


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

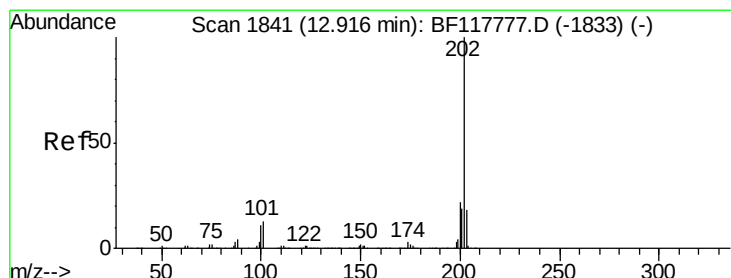
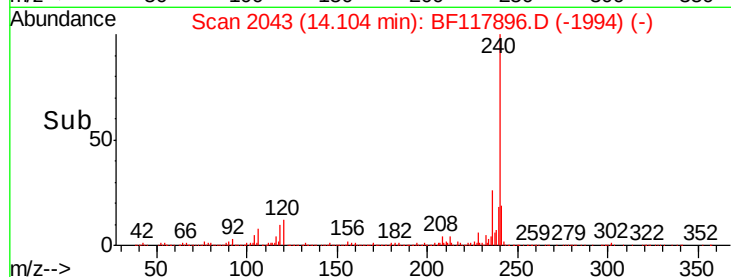
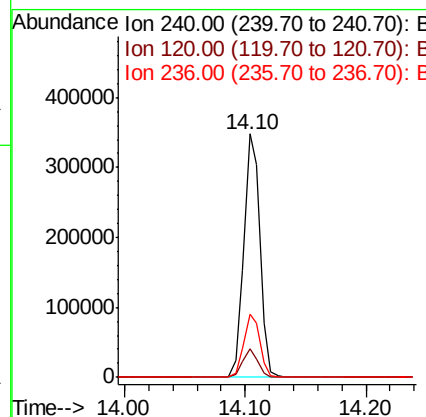
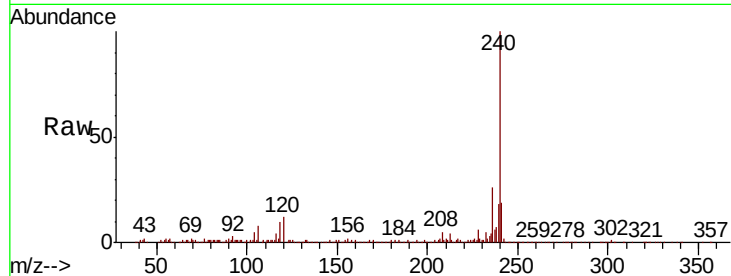




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

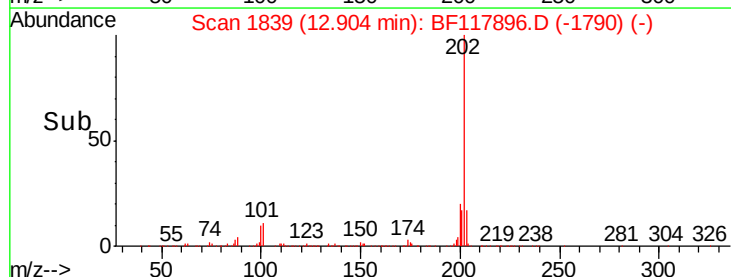
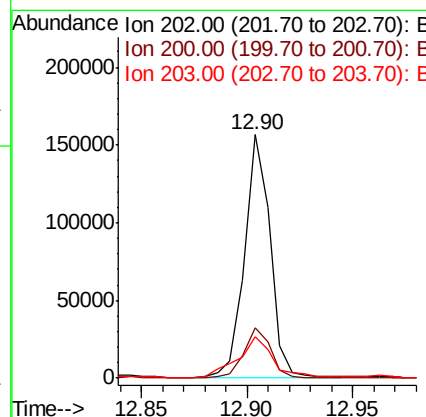
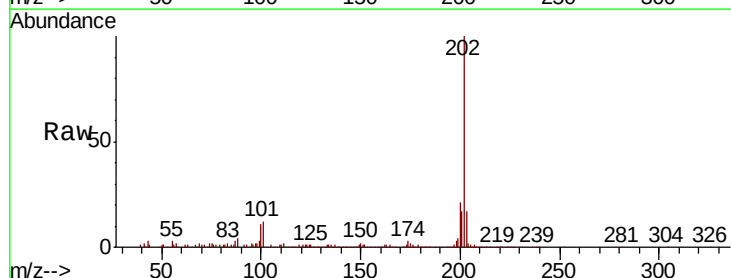
Instrument :
BNA_F
ClientSampleId :

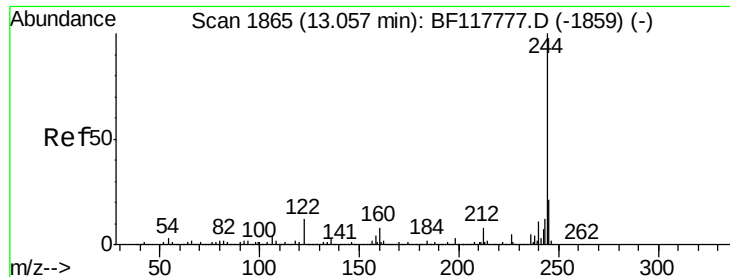
Tot Ion:240 Resp: 326147
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 26.0 21.3 31.9



#78
Pyrene
Concen: 4.945 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion:202 Resp: 130332
Ion Ratio Lower Upper
202 100
200 20.6 17.8 26.8
203 17.3 14.6 22.0

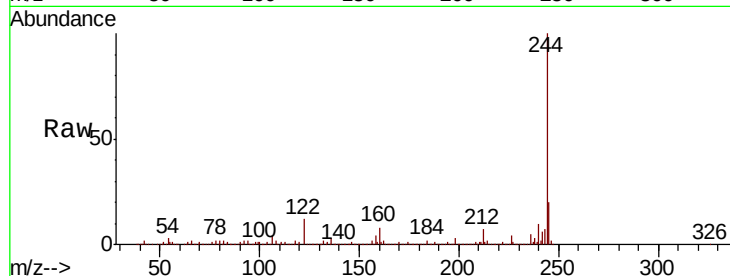




#79
 Terphenyl-d14
 Concen: 55.098 ng
 RT: 13.04 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	12.0	9.4	14.2

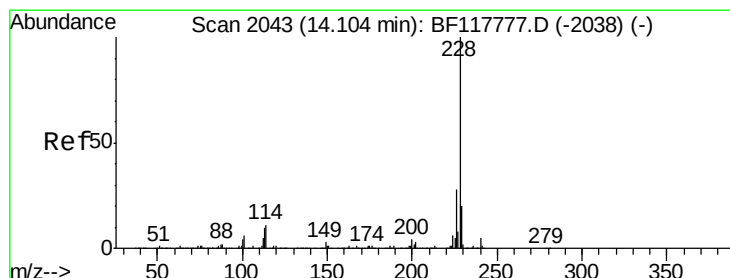
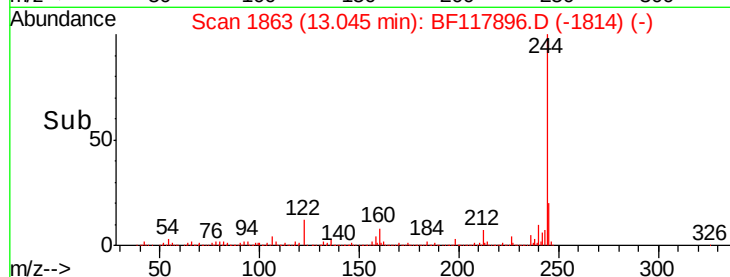
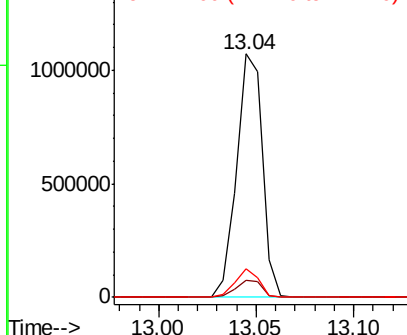


Abundance

Ion 244.00 (243.70 to 244.70): E

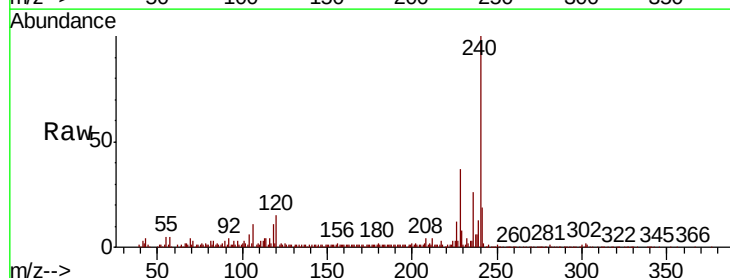
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 2.715 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.2	33.2
229	21.3	15.9	23.9

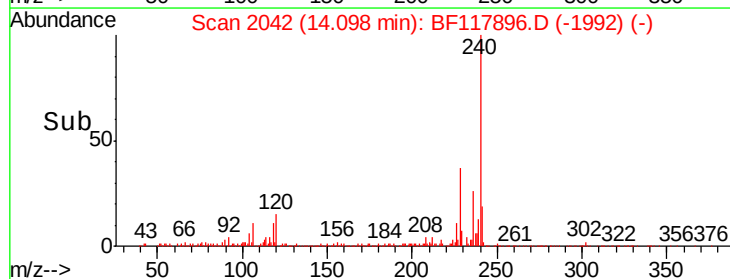
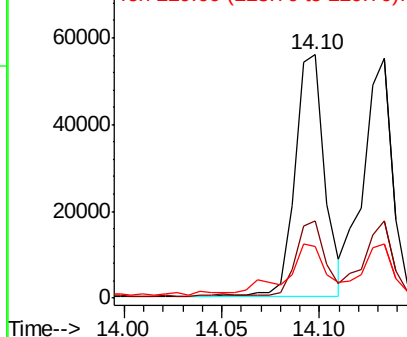


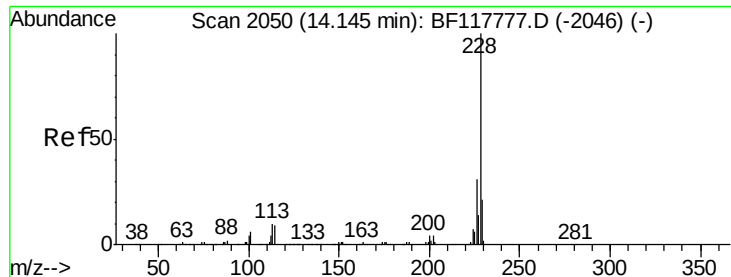
Abundance

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

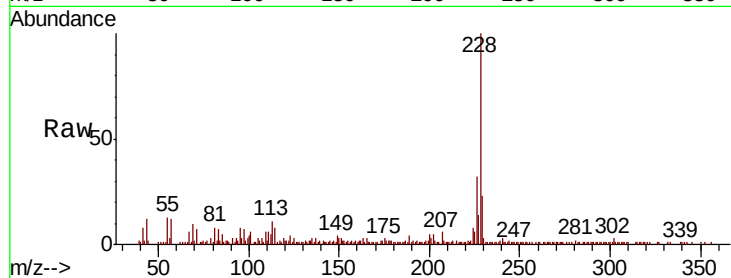




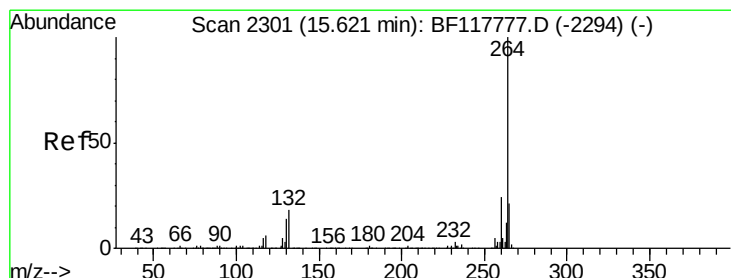
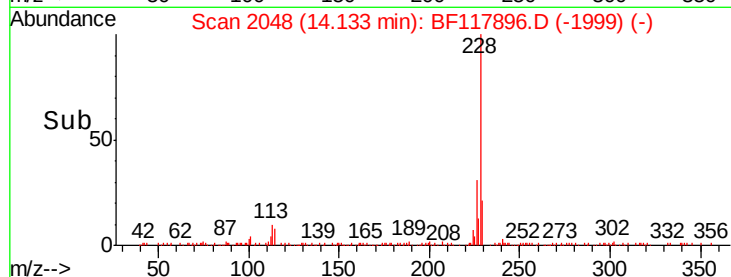
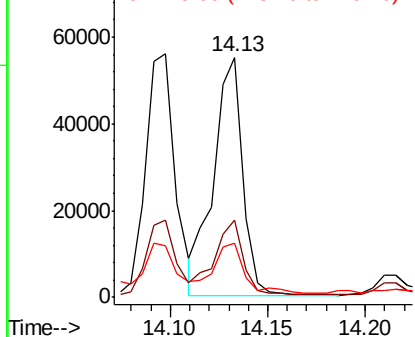
#83
Chrysene
Concen: 2.737 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 57163
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.4
229 22.7 16.6 25.0

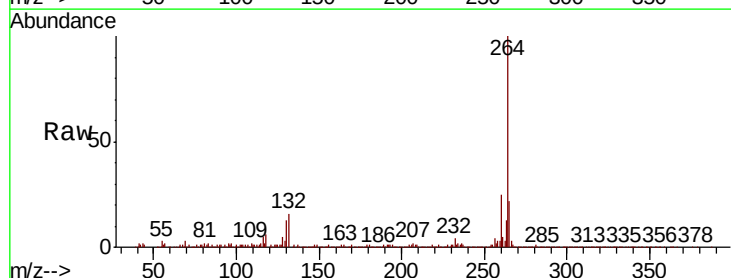


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

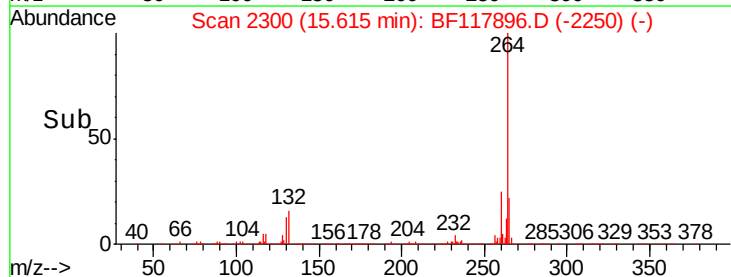
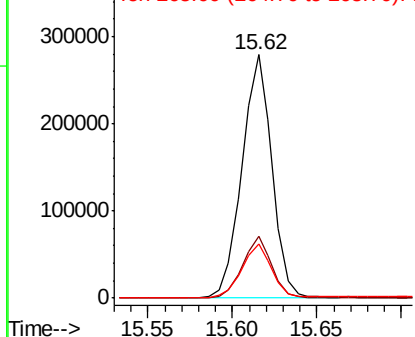


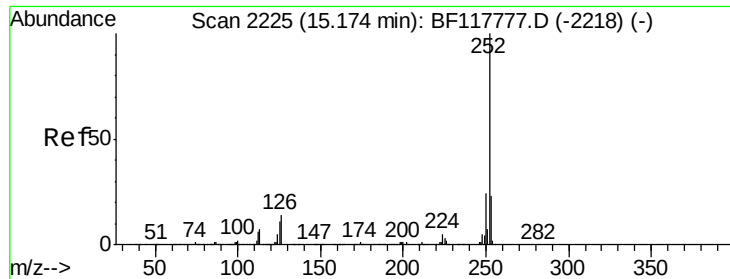
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion:264 Resp: 343482
Ion Ratio Lower Upper
264 100
260 25.2 19.4 29.0
265 22.2 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

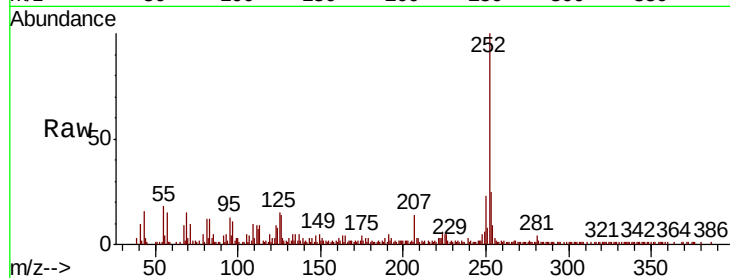




#88
Benzo(b)fluoranthene
Concen: 4.049 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	15.1	8.6	13.0

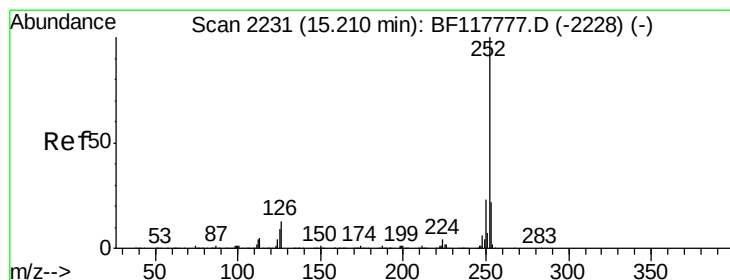
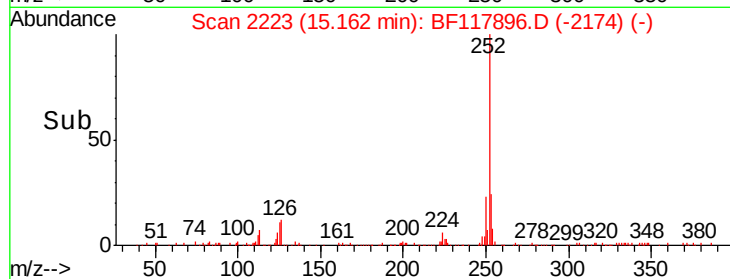
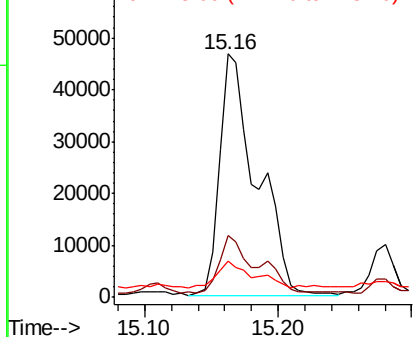


Abundance

Ion 252.00 (251.70 to 252.70): E

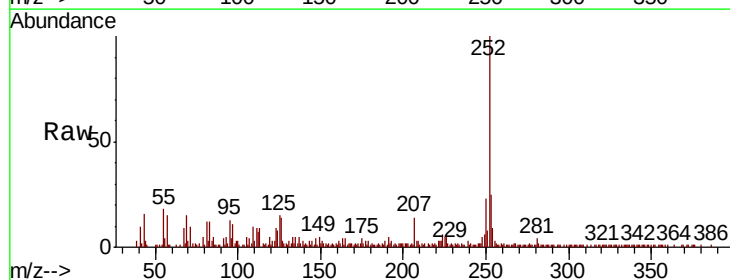
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.297 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	15.1	7.9	11.9

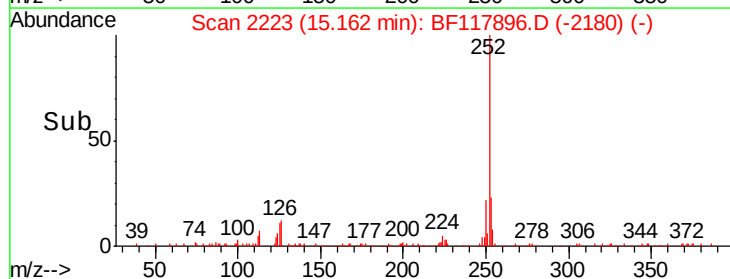
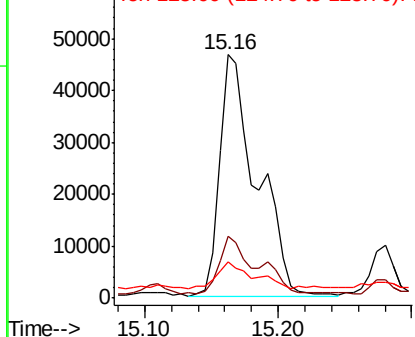


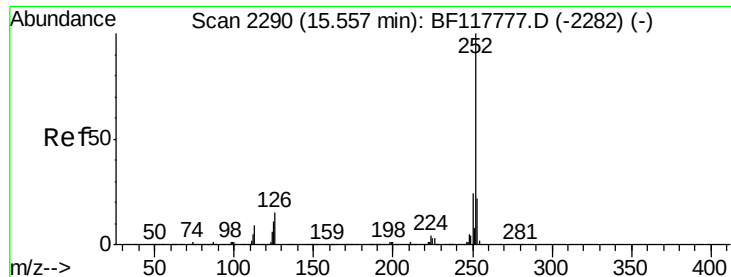
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.135 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF117896.D

Acq: 20 Nov 2019 16:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 41889

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 16.6 9.2 13.8#

