

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 :
 14-(2-4)

Quant Time: Nov 21 03:39:21 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

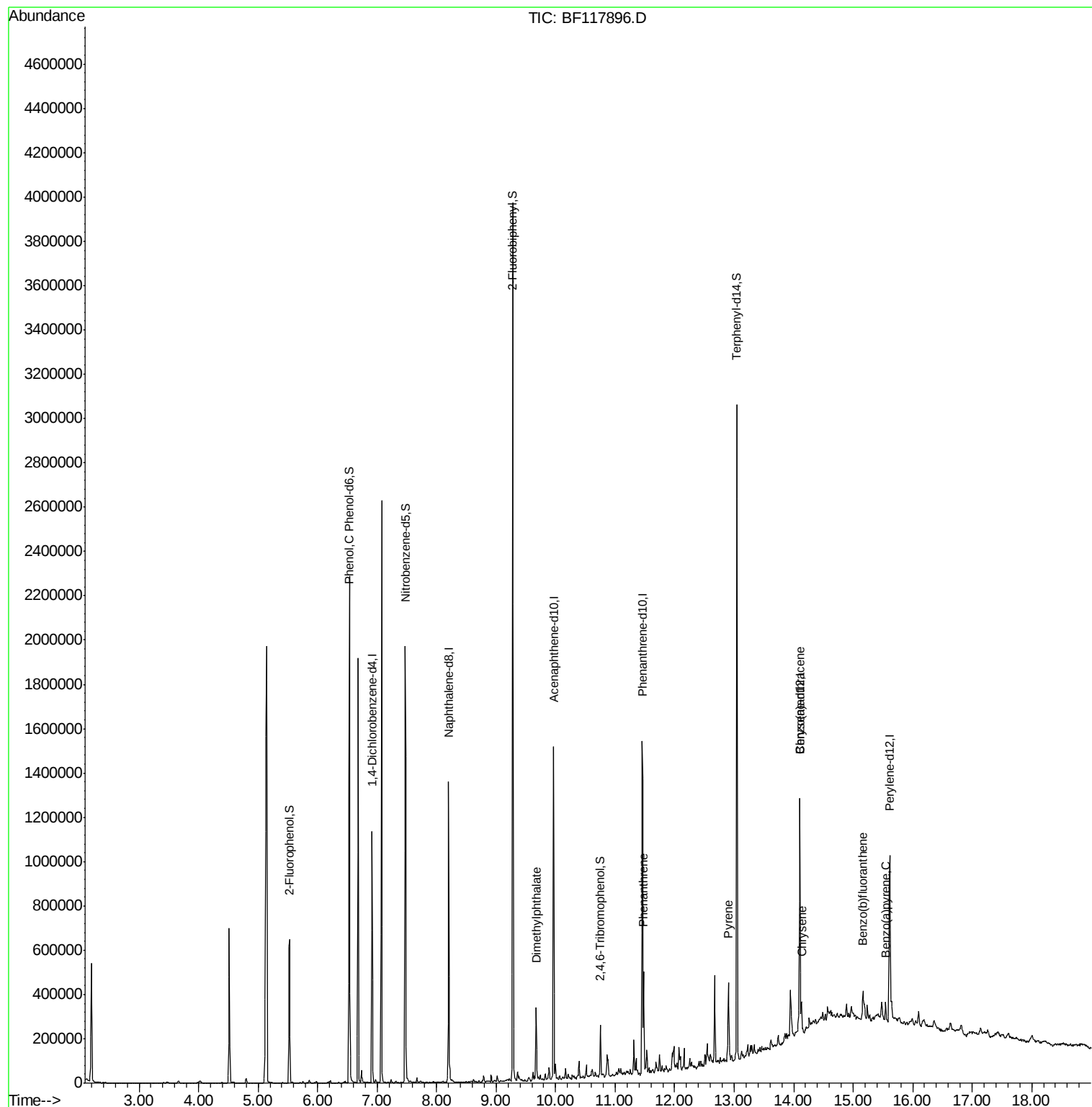
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	147128	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	590401	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	319854	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	568177	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	326147	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						
10) Phenol	6.55	94	38358	3.682	ng	Qvalue 94
50) Dimethylphthalate	9.67	163	121257	5.406	ng	98
71) Phenanthrene	11.48	178	152388	5.335	ng	97
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	72987m	3.271	ng	
90) Benzo(a)pyrene	15.54	252	41889	2.135	ng	# 92

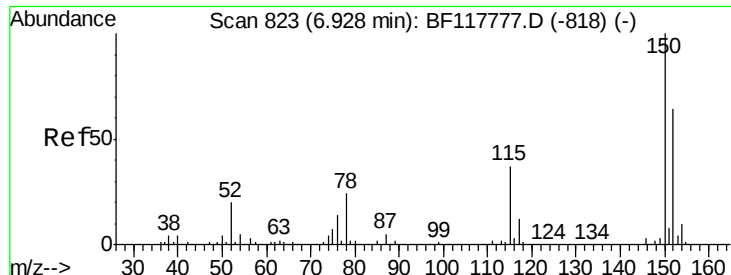
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
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14-(2-4)

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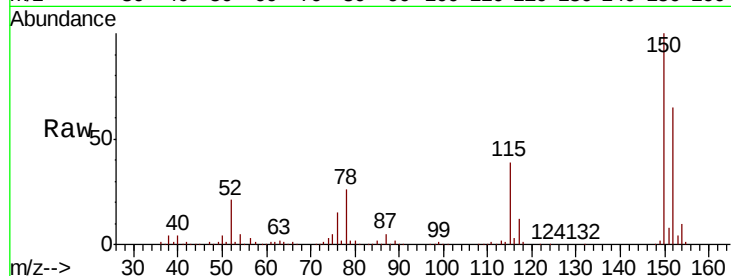


#1

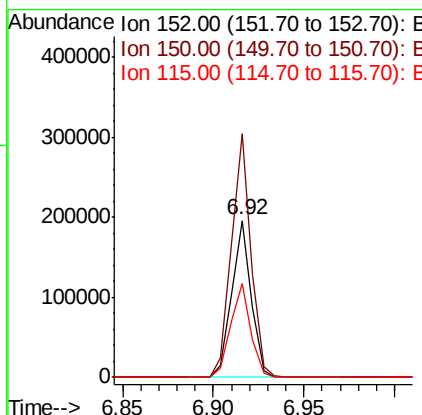
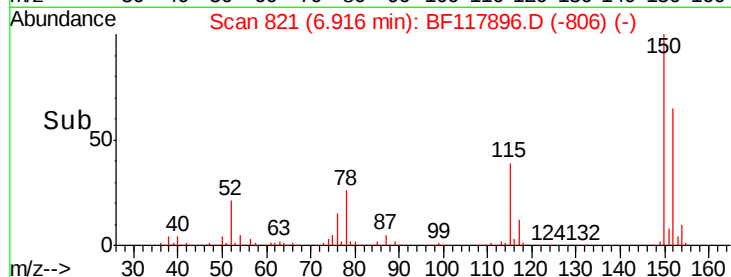
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

Instrument :
 BNA_F
 ClientSampleId :
 14-(2-4)

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



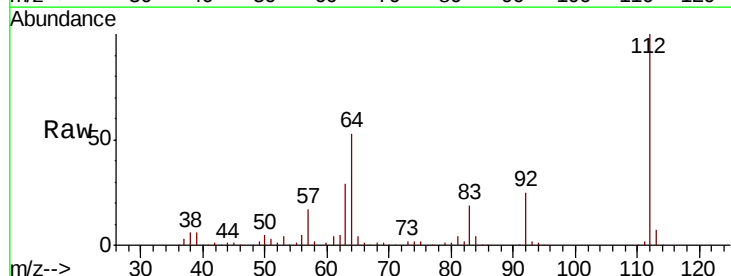
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



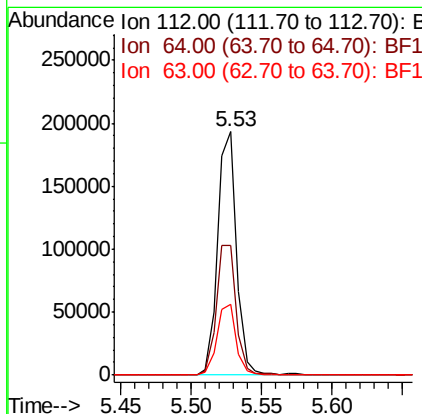
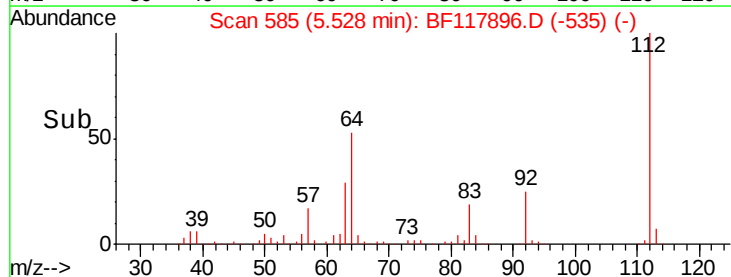
#5

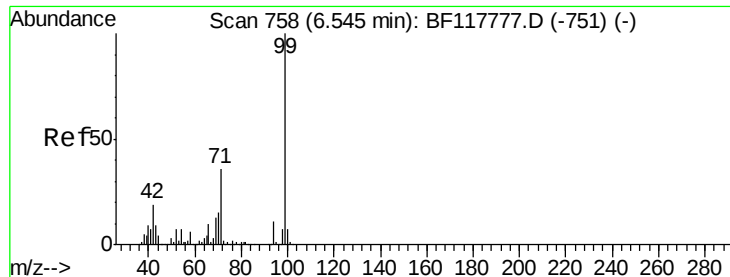
2-Fluorophenol
 Concen: 21.680 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

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 :

14-(2-4)

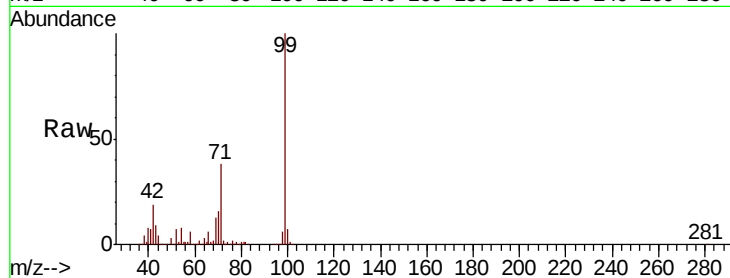
Tot Ion: 99 Resp: 803782

Ion Ratio Lower Upper

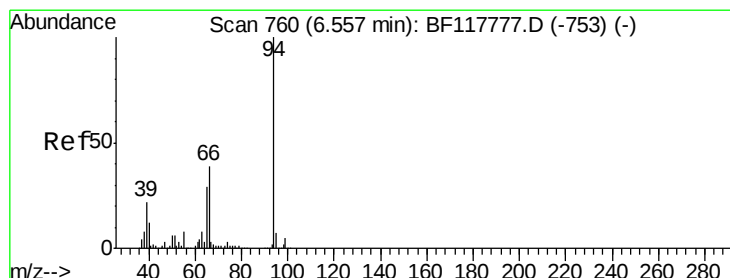
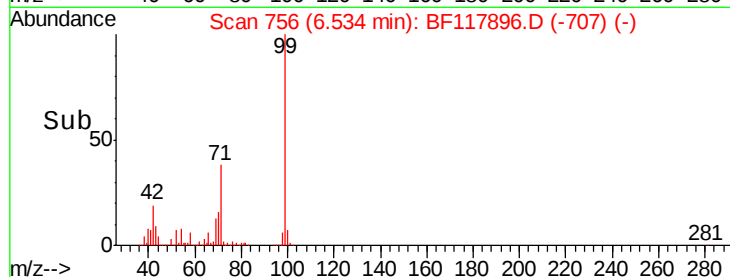
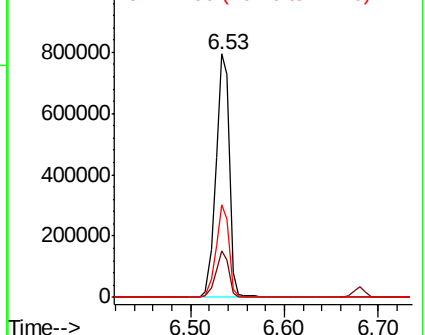
99 100

42 19.2 14.9 22.3

71 37.9 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.682 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117896.D

Acq: 20 Nov 2019 16:39

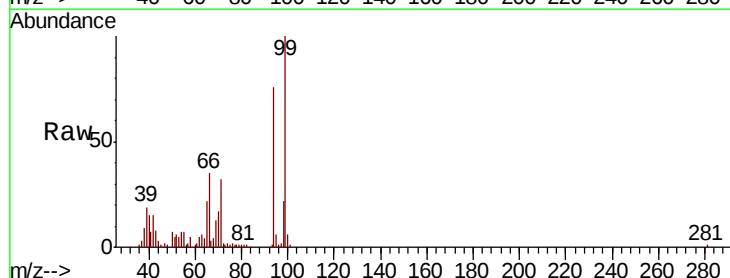
Tgt Ion: 94 Resp: 38358

Ion Ratio Lower Upper

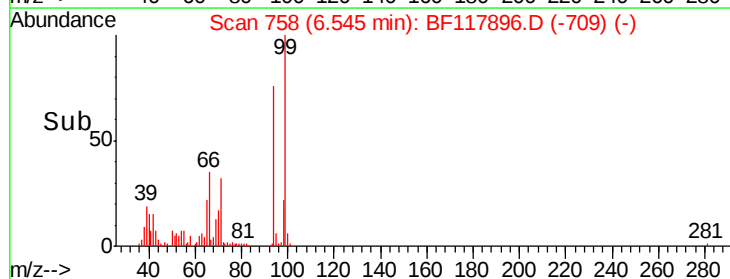
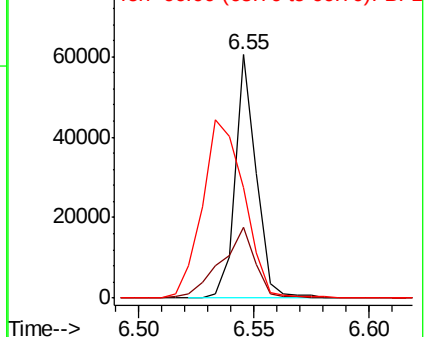
94 100

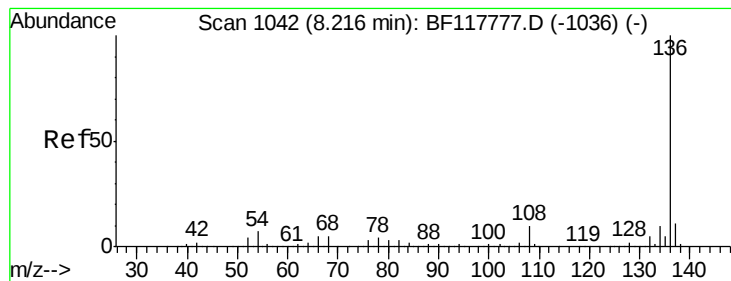
65 29.0 8.9 48.9

66 45.5 18.7 58.7



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





#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

Instrument :

BNA_F

ClientSampleId :

14-(2-4)

Tot Ion:136 Resp: 590401

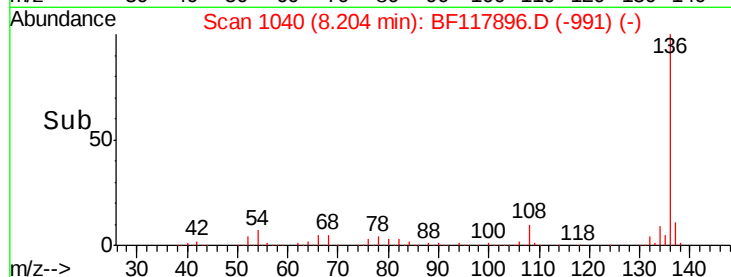
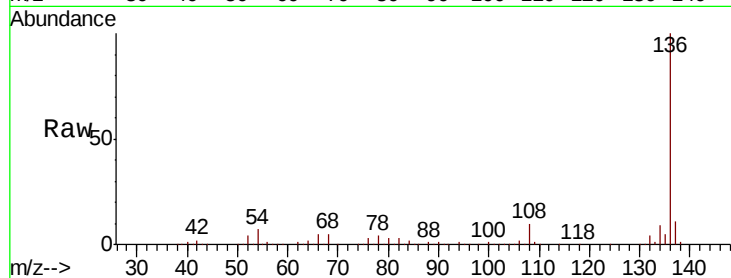
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 5.4 8.2

68 4.6 4.3 6.5

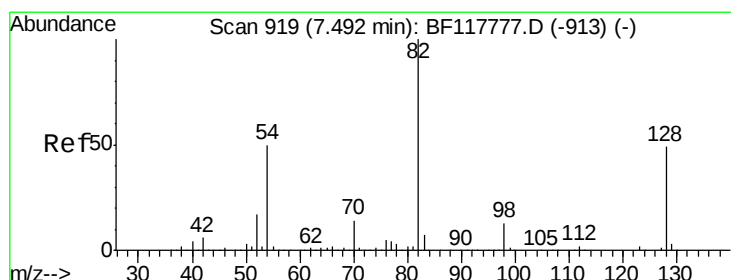
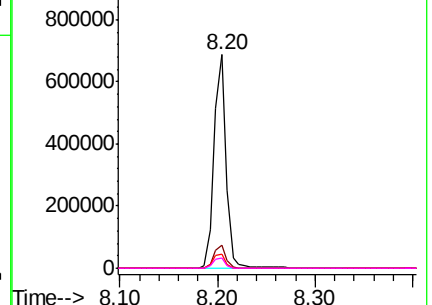


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#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

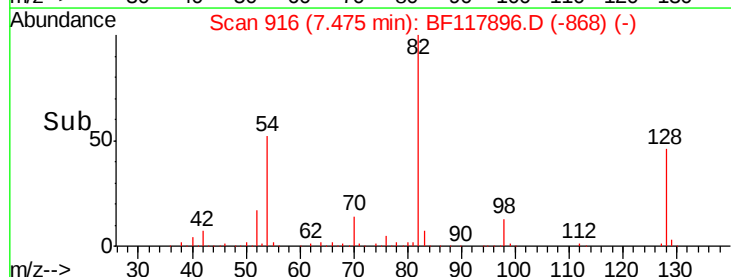
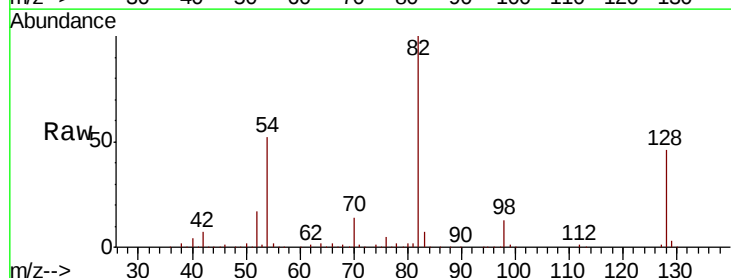
Tgt Ion: 82 Resp: 601268

Ion Ratio Lower Upper

82 100

128 45.7 38.9 58.3

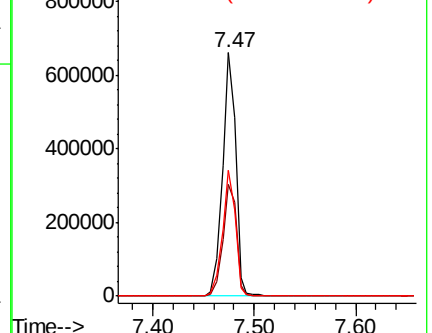
54 51.7 39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): 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 :

14-(2-4)

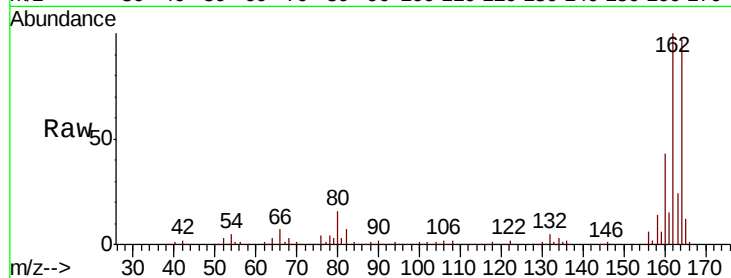
Tot Ion:164 Resp: 319854

Ion Ratio Lower Upper

164 100

162 103.0 81.3 121.9

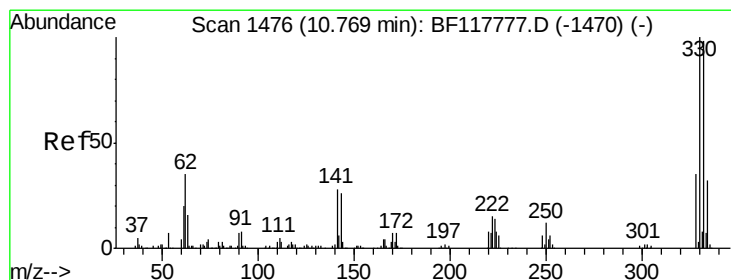
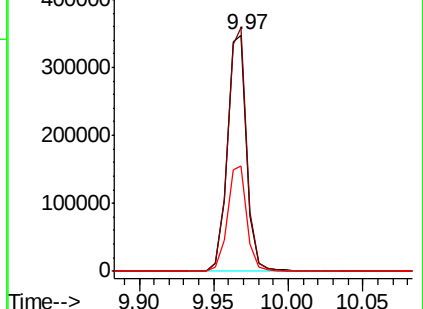
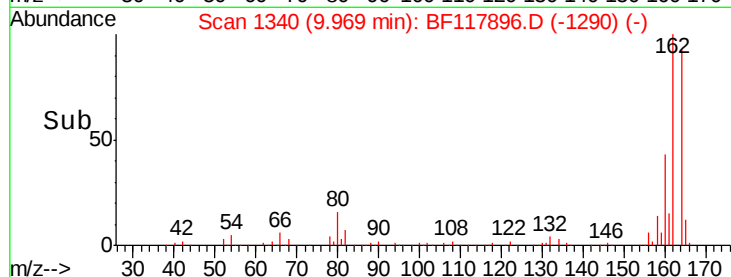
160 44.6 36.6 55.0



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

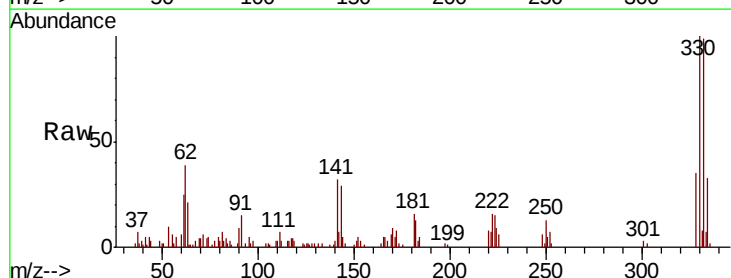
Tgt Ion:330 Resp: 24601

Ion Ratio Lower Upper

330 100

332 97.1 76.7 115.1

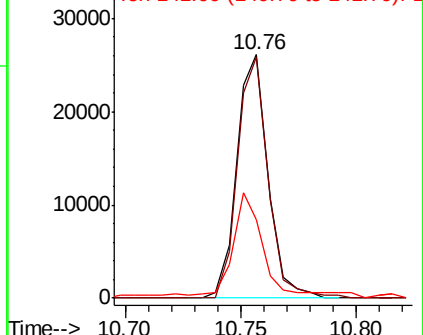
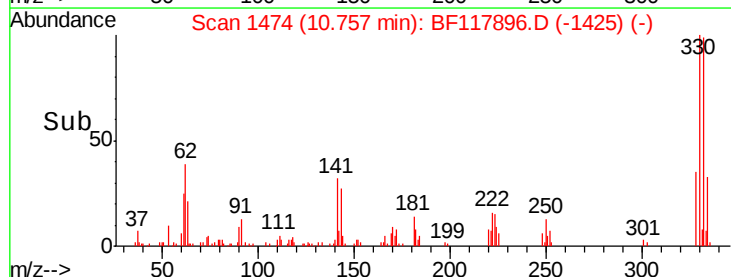
141 47.2 27.7 41.5#

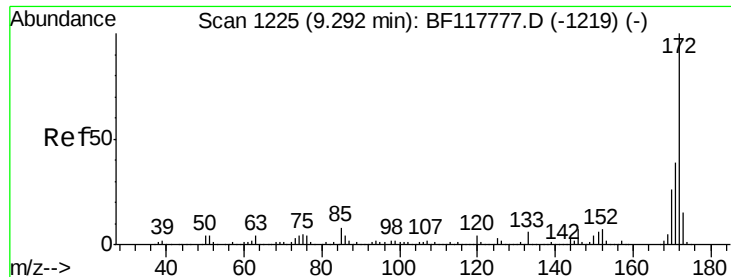


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



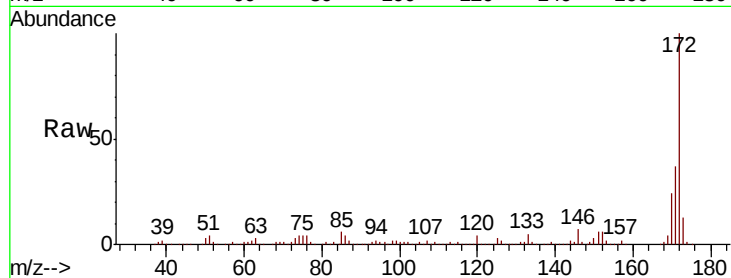


#45
 2-Fluorobiphenyl
 Concen: 61.501 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

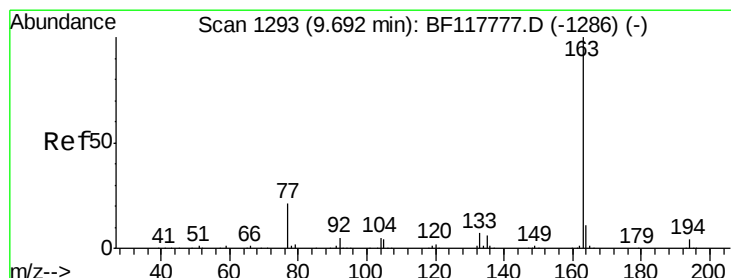
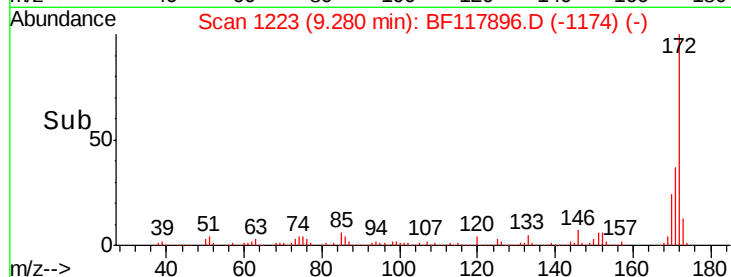
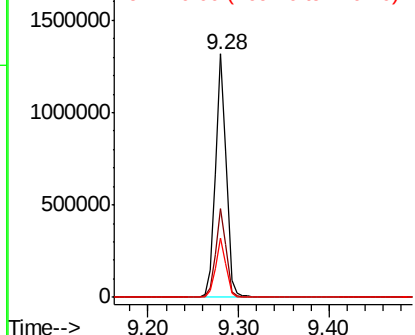
Instrument :
 BNA_F
 ClientSampleId :
 14-(2-4)

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



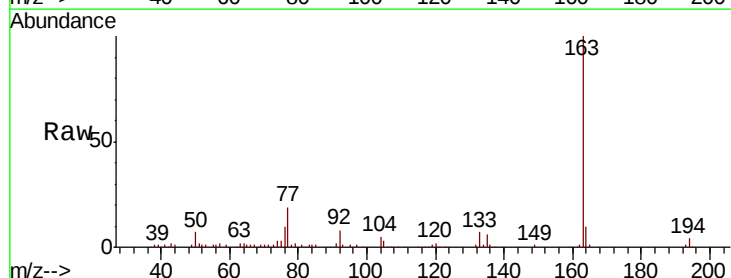
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



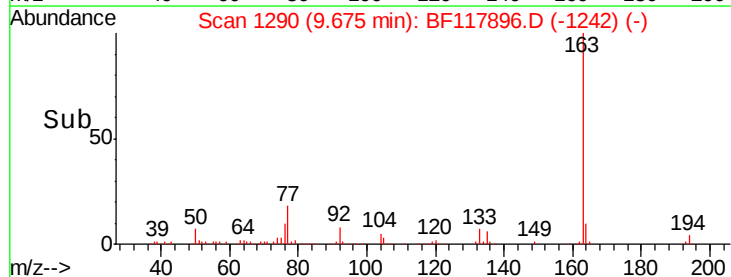
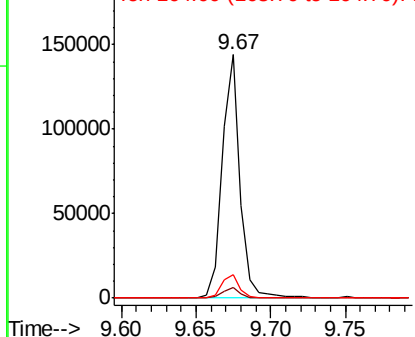
#50
 Dimethylphthalate
 Concen: 5.406 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

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

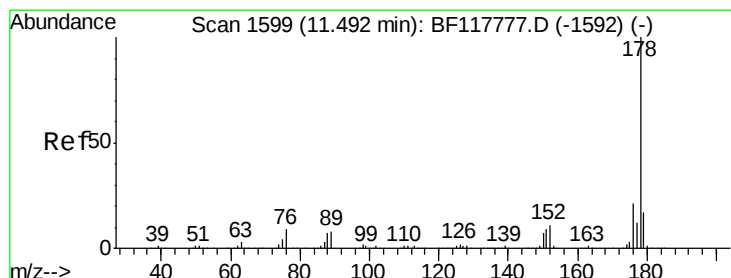
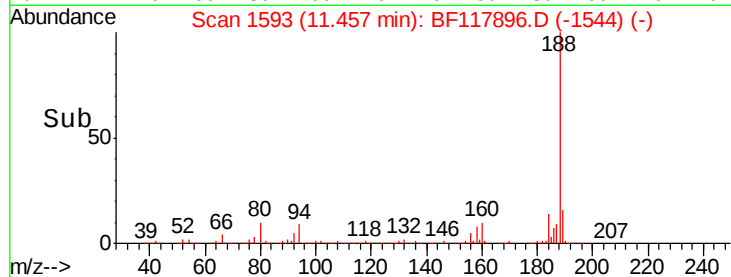
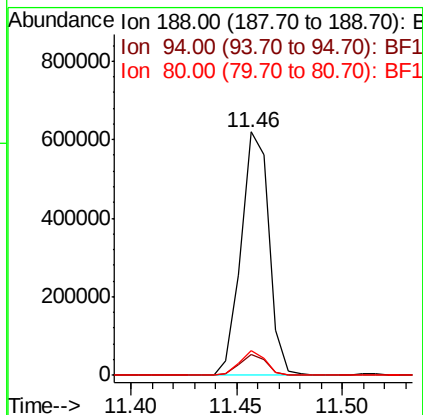
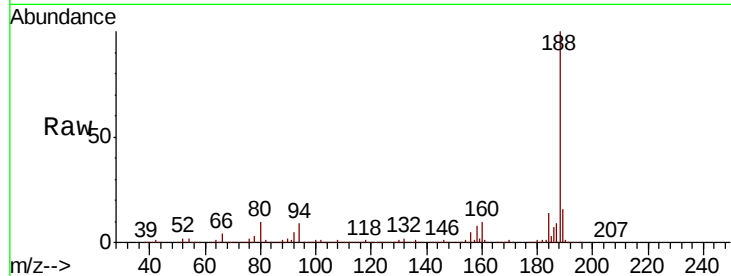




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

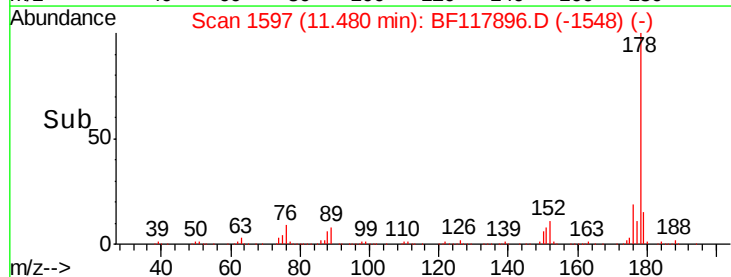
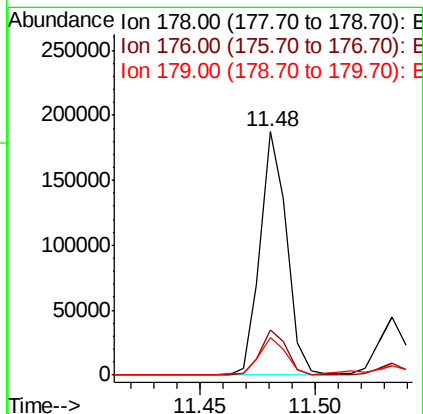
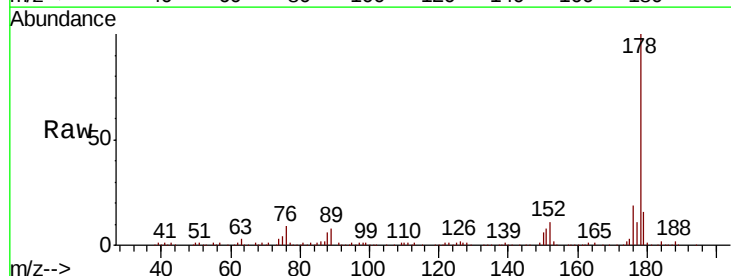
Instrument :
BNA_F
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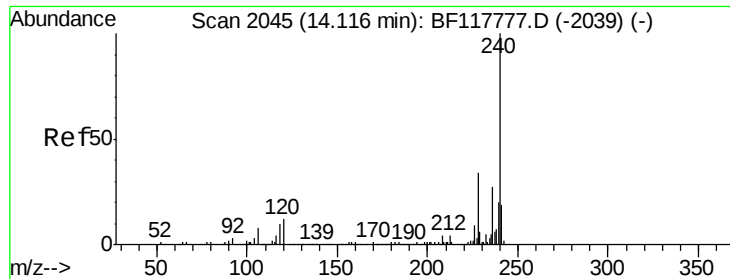
Tot Ion:188 Resp: 568177
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 10.0 7.2 10.8



#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

Tgt Ion:178 Resp: 152388
Ion Ratio Lower Upper
178 100
176 18.8 16.6 25.0
179 15.7 13.2 19.8

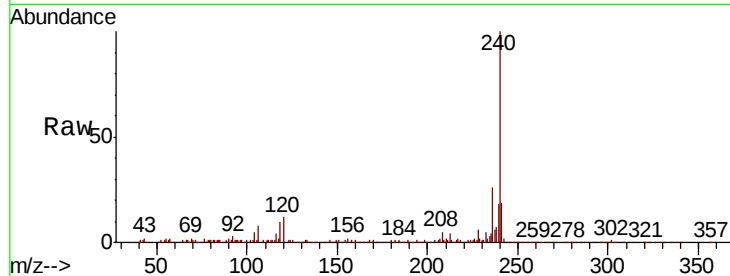




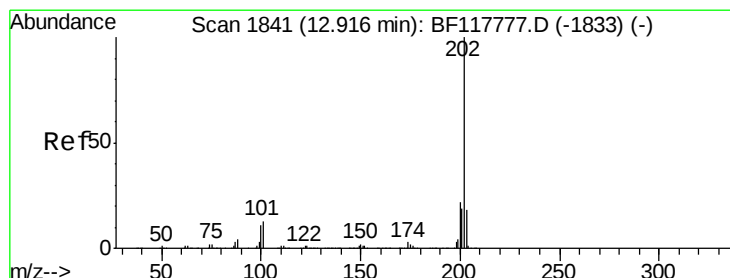
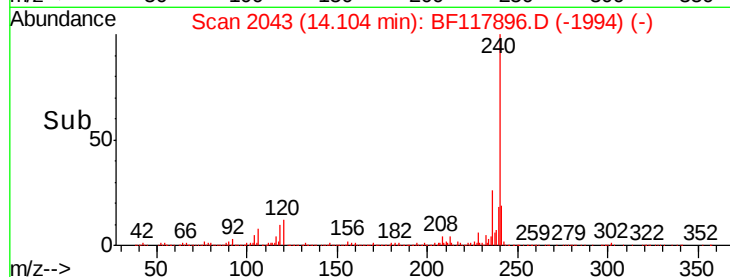
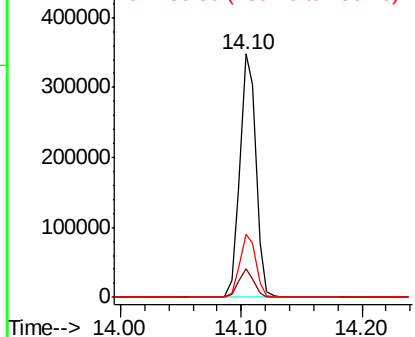
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampleId :
14-(2-4)

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

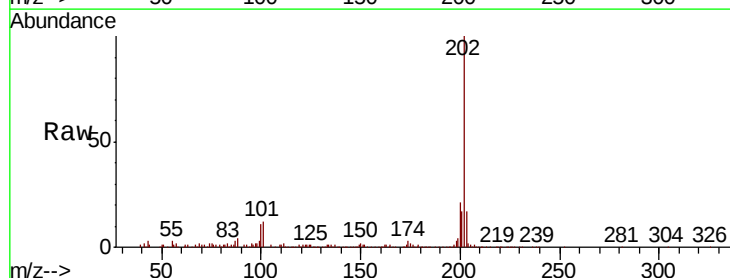


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

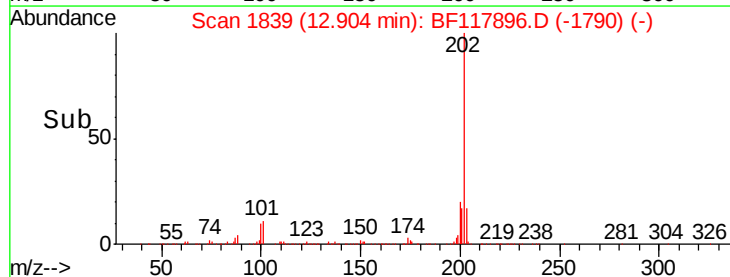
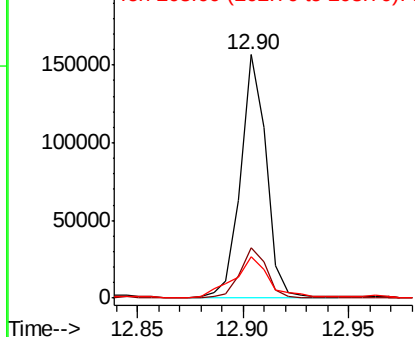


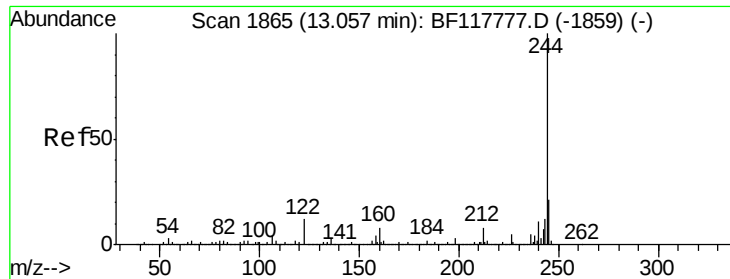
#78
Pyrene
Concen: 4.945 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

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



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

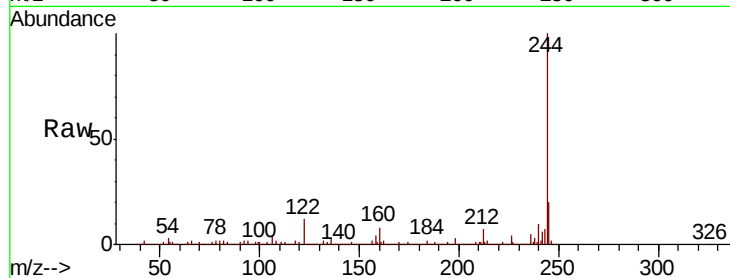




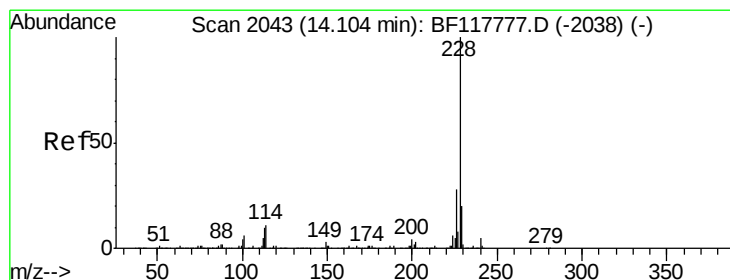
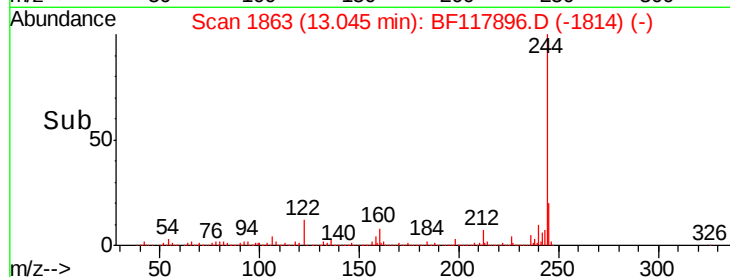
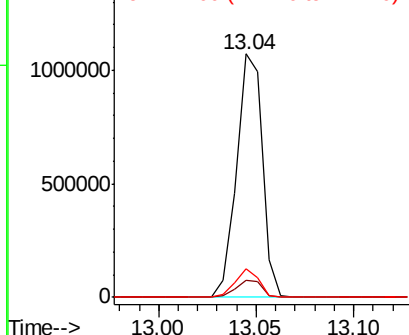
#79
 Terphenyl-d14
 Concen: 55.098 ng
 RT: 13.04 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

Instrument :
 BNA_F
 ClientSampleId :
 14-(2-4)

Tot Ion:244 Resp: 983253
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 12.0 9.4 14.2

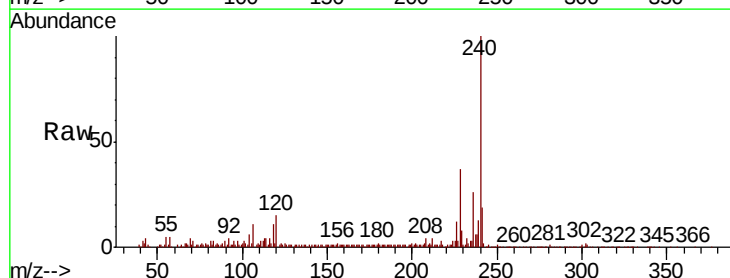


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

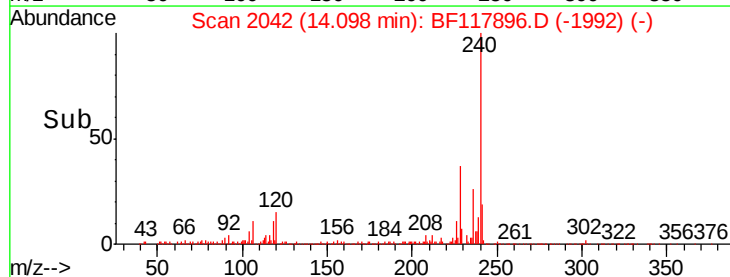
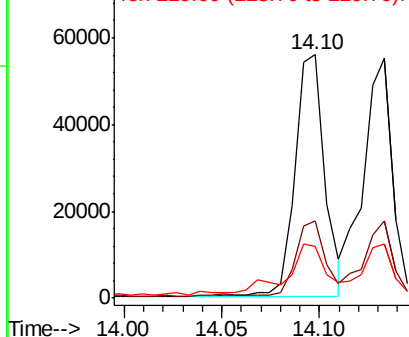


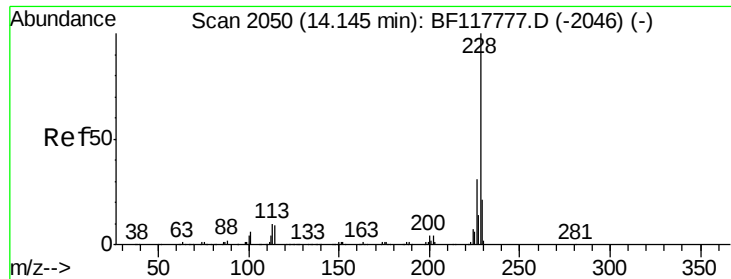
#81
 Benzo(a)anthracene
 Concen: 2.715 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117896.D
 Acq: 20 Nov 2019 16:39

Tgt Ion:228 Resp: 58524
 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

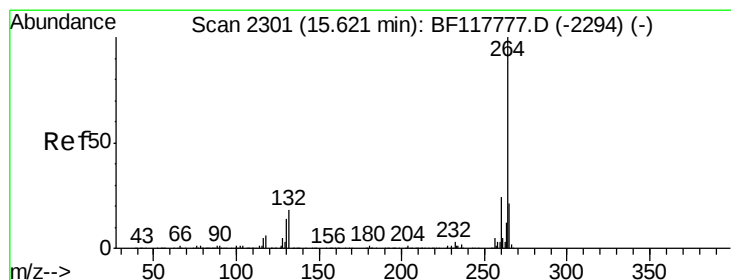
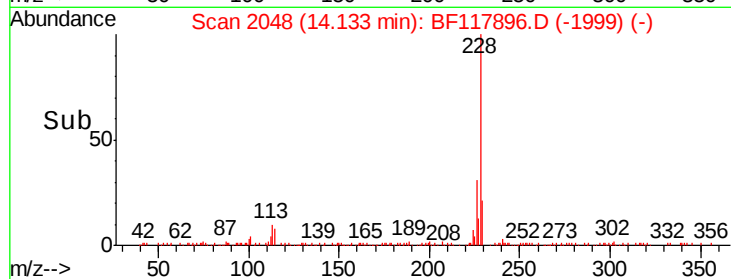
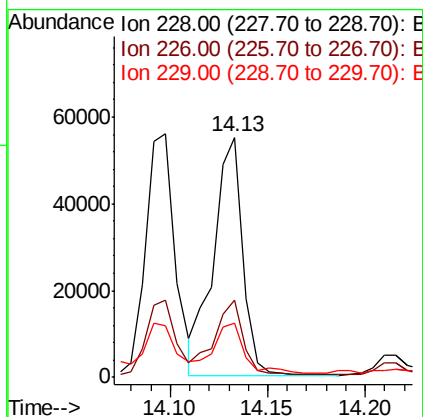
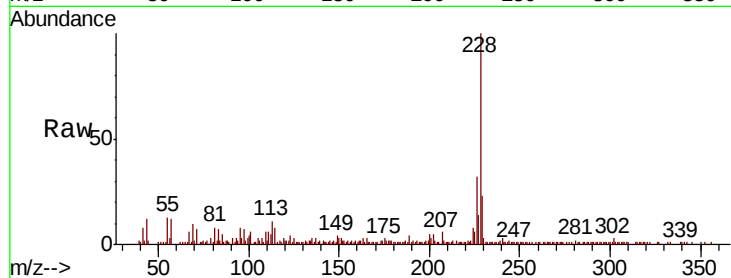




#83
Chrysene
Concen: 2.737 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

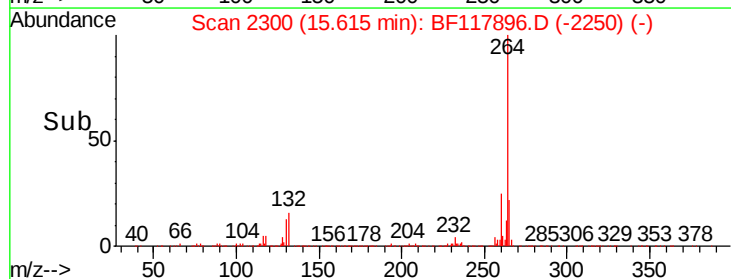
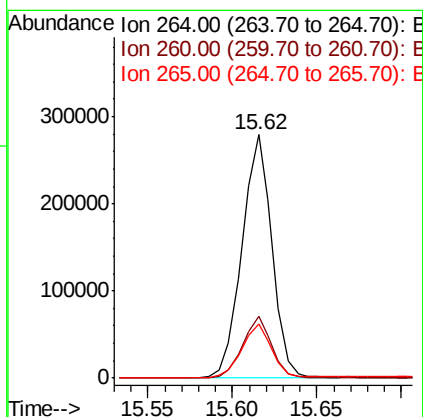
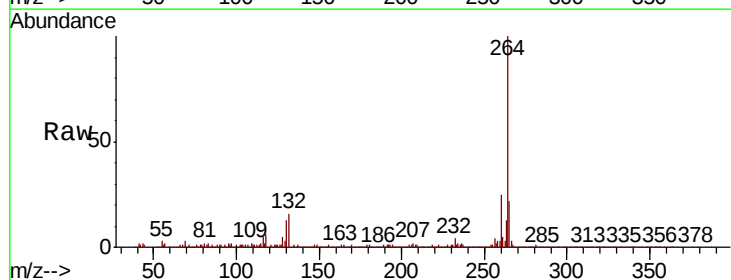
Instrument :
BNA_F
ClientSampleId :
14-(2-4)

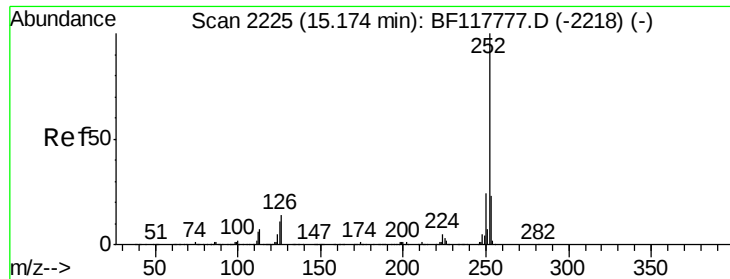
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.4
229	22.7	16.6	25.0



#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	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.0
265	22.2	17.1	25.7

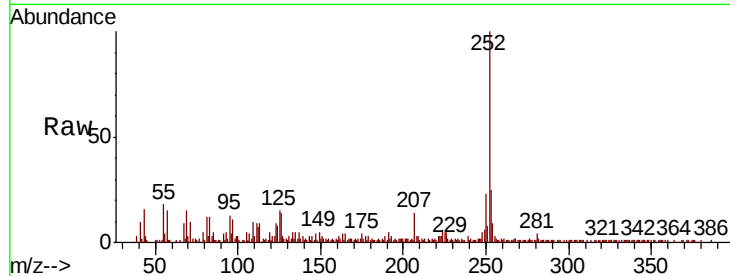




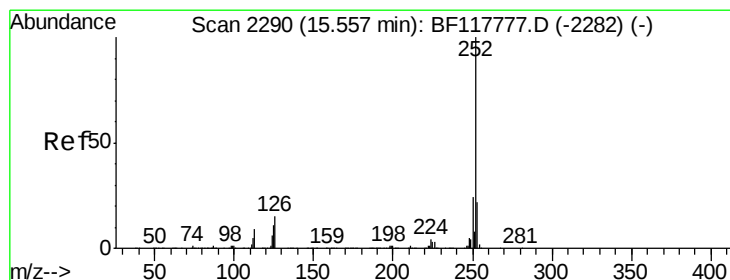
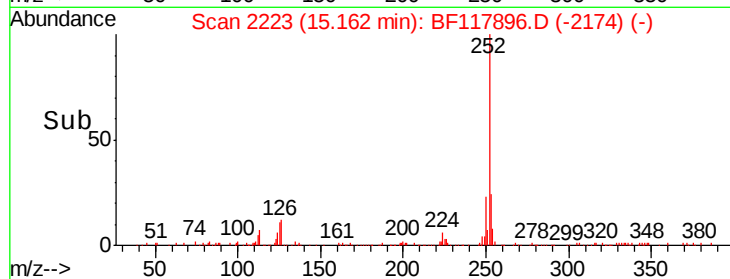
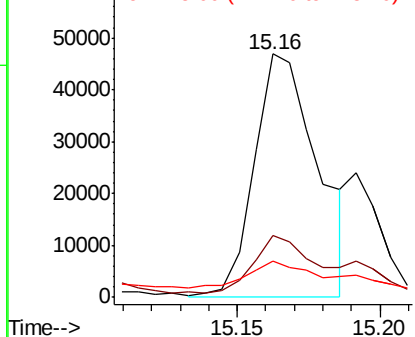
#88
Benzo(b)fluoranthene
Concen: 3.271 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117896.D
Acq: 20 Nov 2019 16:39

Instrument :
BNA_F
ClientSampleId :
14-(2-4)

Tot Ion:252 Resp: 72987
Ion Ratio Lower Upper
252 100
253 25.2 18.0 27.0
125 15.1 8.6 13.0#

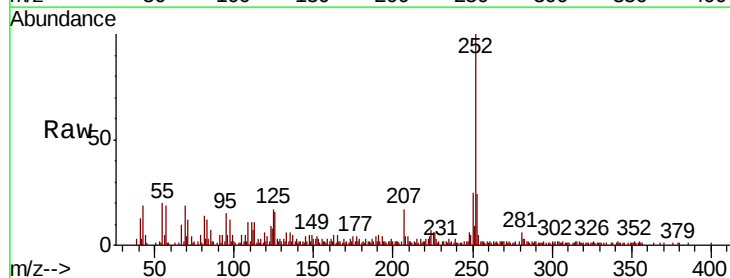


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#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

Tgt Ion:252 Resp: 41889
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 16.6 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

