

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117079.D
 Acq On : 16 Sep 2019 23:45
 Operator : HP/JU
 Sample : K4863-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:17:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

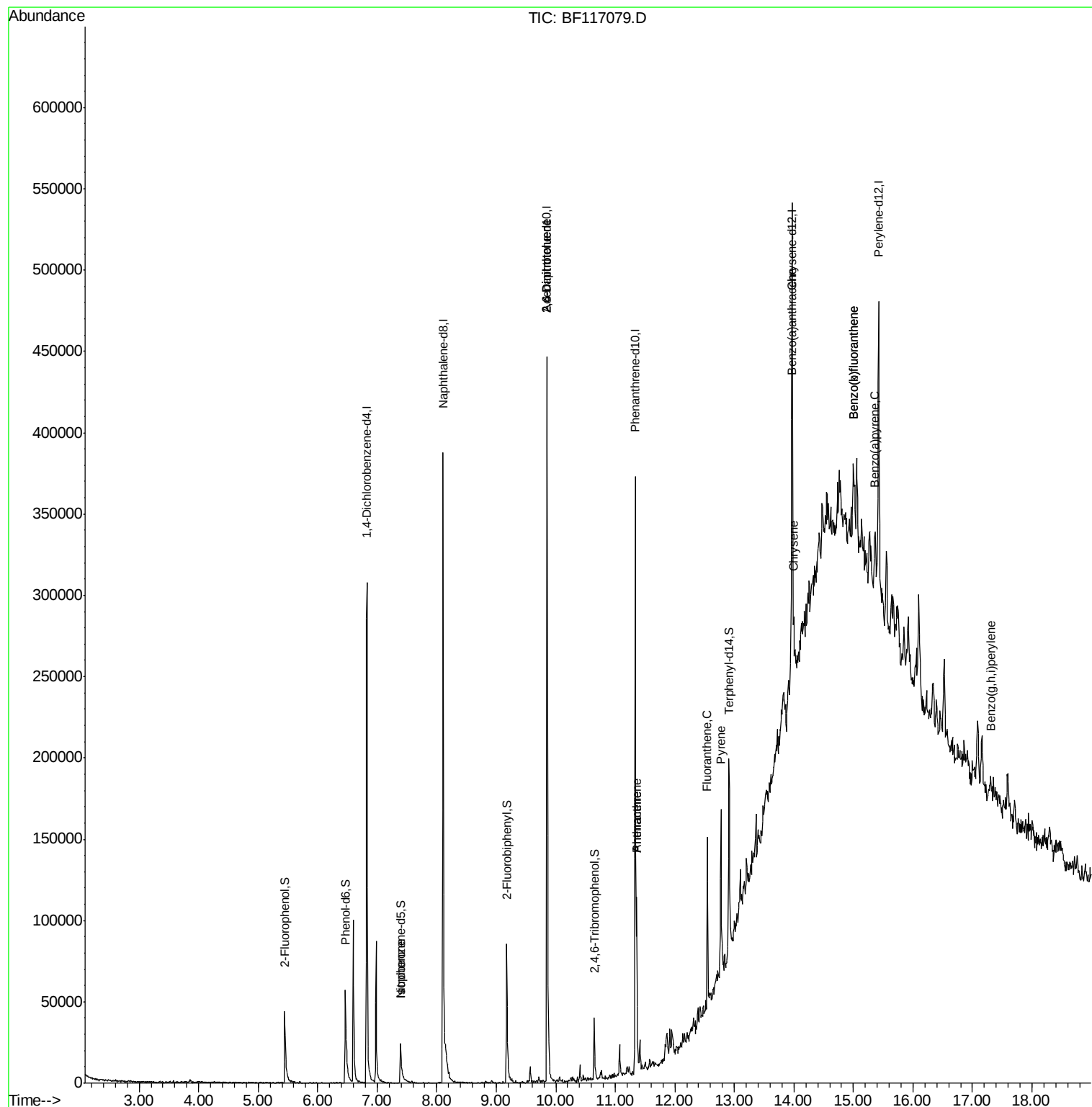
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	56608	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	243052	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	112398	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	157966	20.00	ng	0.00
76) Chrysene-d12	13.97	240	94825	20.00	ng	0.00
87) Perylene-d12	15.42	264	69004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	25690	7.09	ng	0.00
7) Phenol-d6	6.46	99	38739	8.27	ng	0.00
23) Nitrobenzene-d5	7.39	82	22555	4.88	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	6244	6.65	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	45536	6.33	ng	0.00
79) Terphenyl-d14	12.91	244	39371	7.76	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	633	Below Cal		Qvalue # 67
25) Isophorone	7.39	82	22555	2.754	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	13778	8.500	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	13778	6.549	ng	# 18
71) Phenanthrene	11.36	178	36598	4.079	ng	99
72) Anthracene	11.36	178	36598	3.995	ng	99
75) Fluoranthene	12.54	202	44897	4.870	ng	98
78) Pyrene	12.77	202	41012	5.155	ng	98
81) Benzo(a)anthracene	13.96	228	16140	2.548	ng	# 84
83) Chrysene	14.00	228	16103	2.606	ng	# 91
88) Benzo(b)fluoranthene	15.00	252	15560	3.723	ng	# 52
89) Benzo(k)fluoranthene	15.00	252	15560	3.930	ng	# 52
90) Benzo(a)pyrene	15.36	252	8656	2.360	ng	# 52
92) Benzo(a,h,i)perylene	17.30	276	8154	2.800	ng	# 70

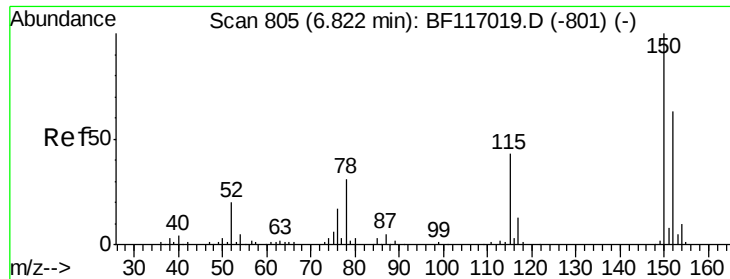
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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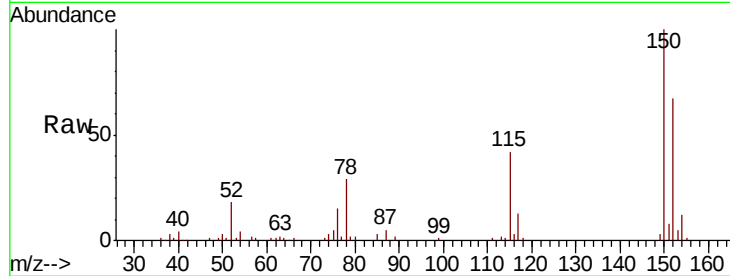


#1

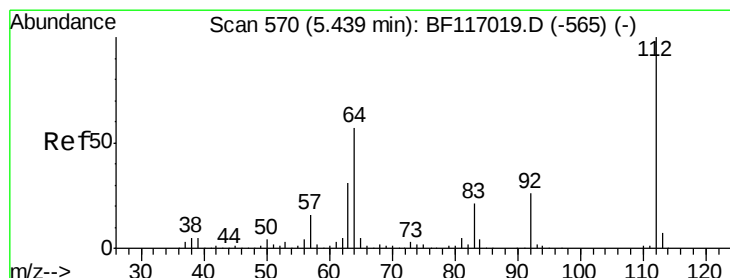
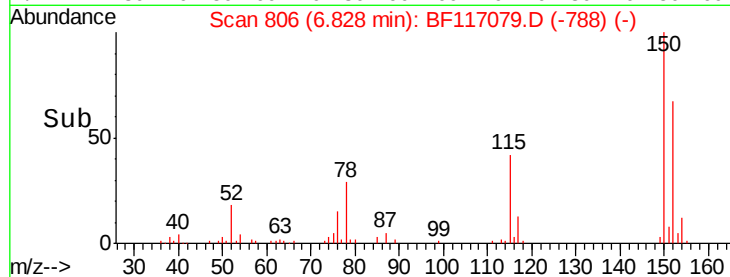
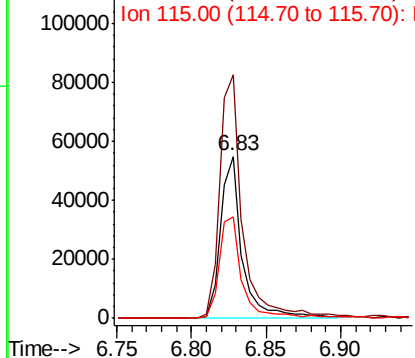
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56608
Ion Ratio Lower Upper
152 100
150 150.1 127.5 191.3
115 62.8 55.0 82.4



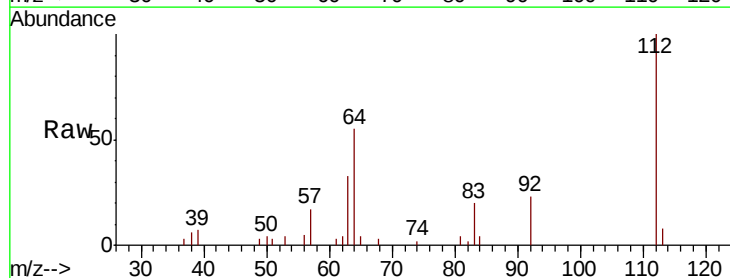
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



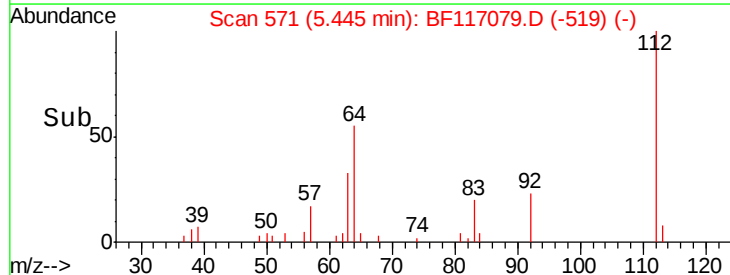
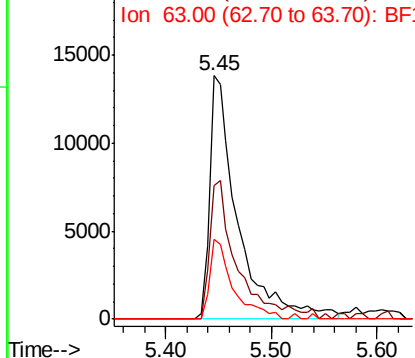
#5

2-Fluorophenol
Concen: 7.085 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion:112 Resp: 25690
Ion Ratio Lower Upper
112 100
64 54.6 45.7 68.5
63 32.5 24.9 37.3



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: 8.267 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

ClientSampled :

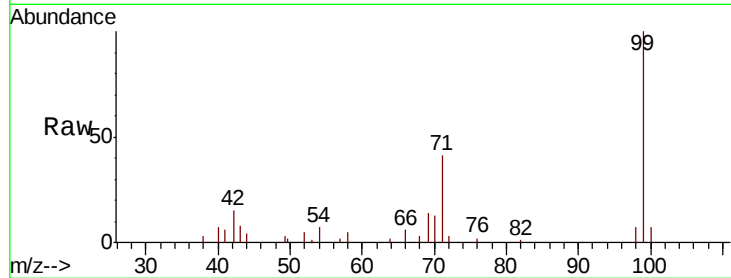
Tot Ion: 99 Resp: 38739

Ion Ratio Lower Upper

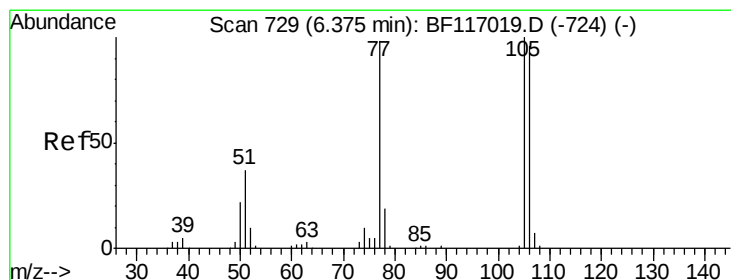
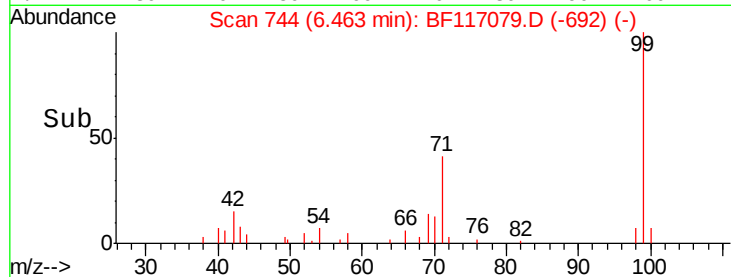
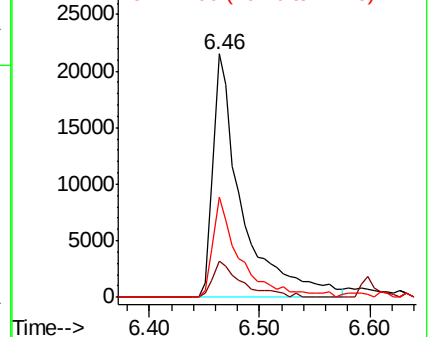
99 100

42 14.9 12.2 18.2

71 41.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

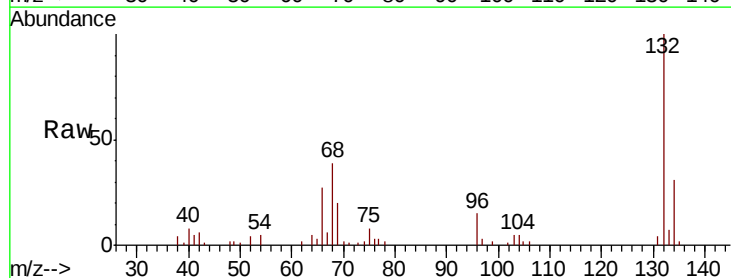
Tgt Ion: 77 Resp: 633

Ion Ratio Lower Upper

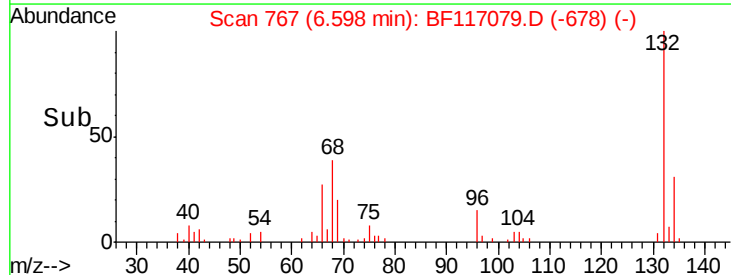
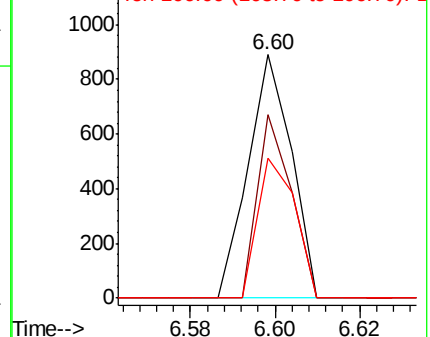
77 100

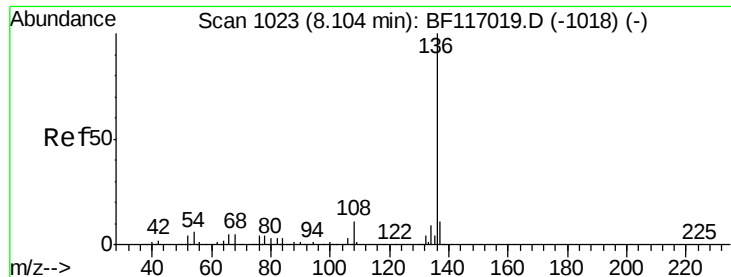
105 75.4 81.8 121.8#

106 57.5 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 243052

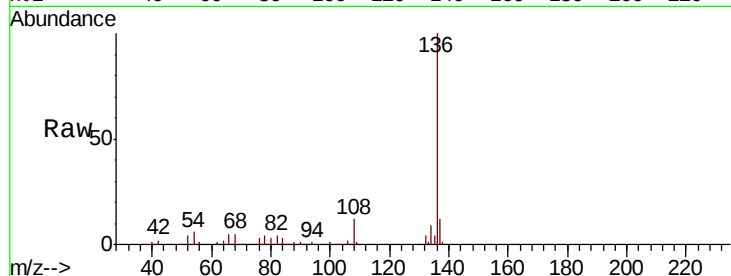
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.4

54 6.0 4.5 6.7

68 5.0 4.0 6.0

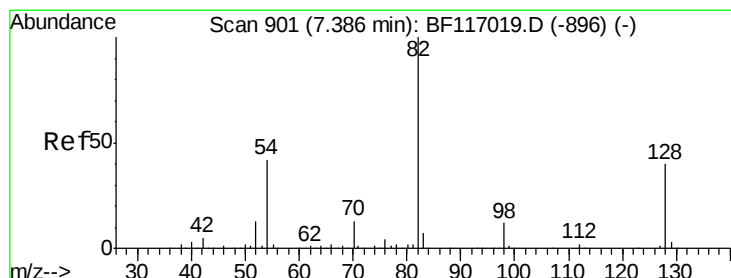
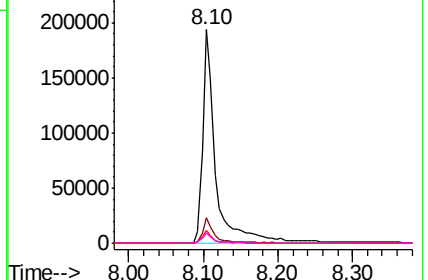
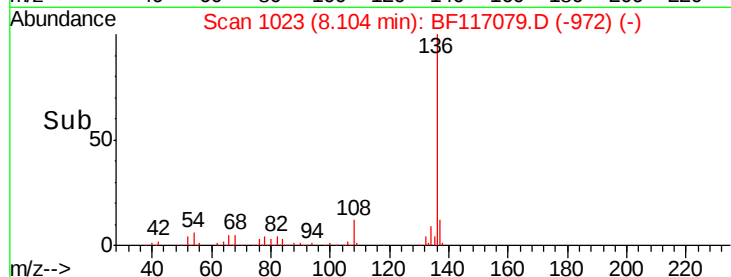


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.876 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

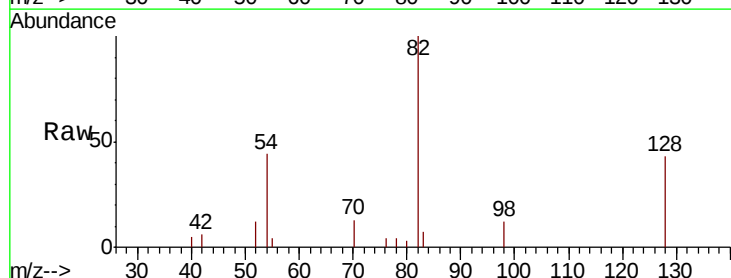
Tgt Ion: 82 Resp: 22555

Ion Ratio Lower Upper

82 100

128 42.9 32.3 48.5

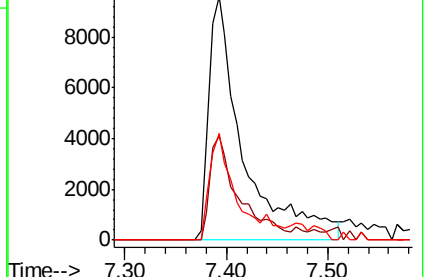
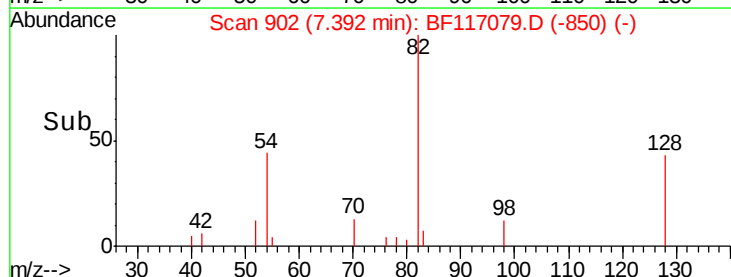
54 43.7 33.3 49.9

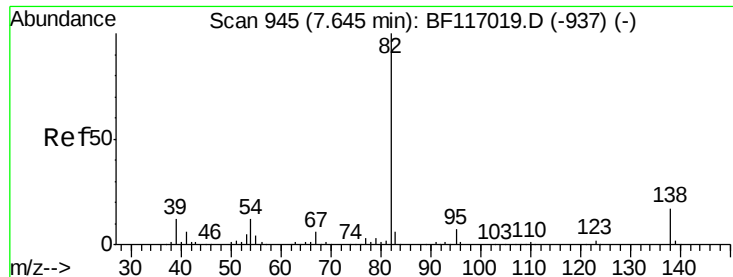


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.754 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.25 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

ClientSampleId :

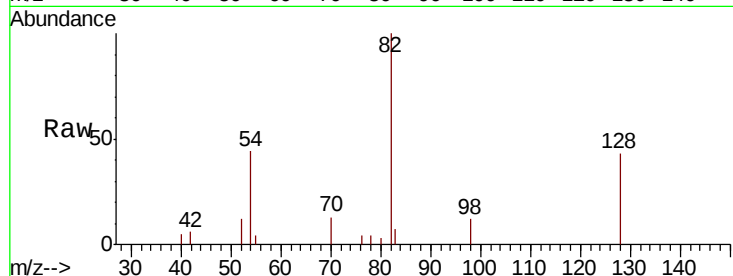
Tot Ion: 82 Resp: 22555

Ion Ratio Lower Upper

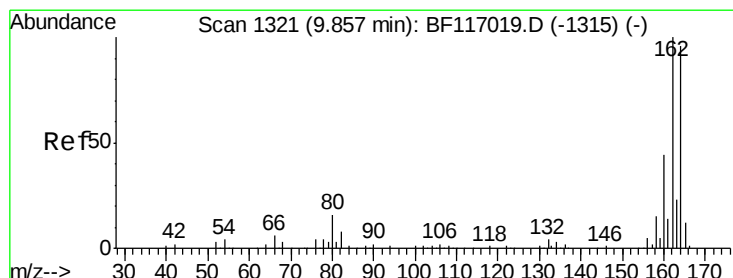
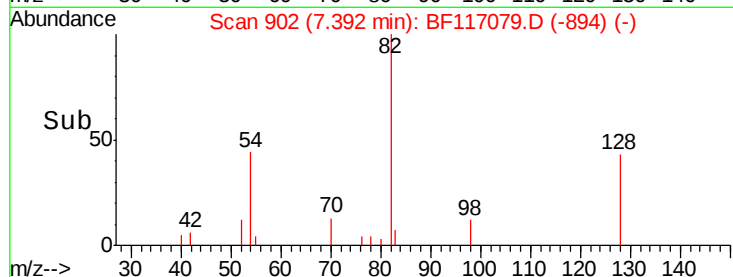
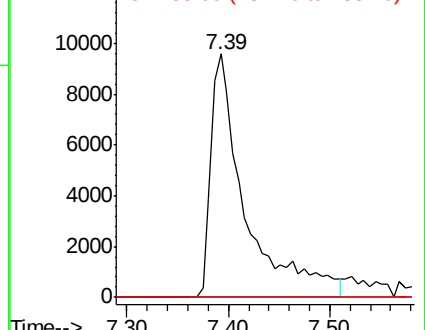
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

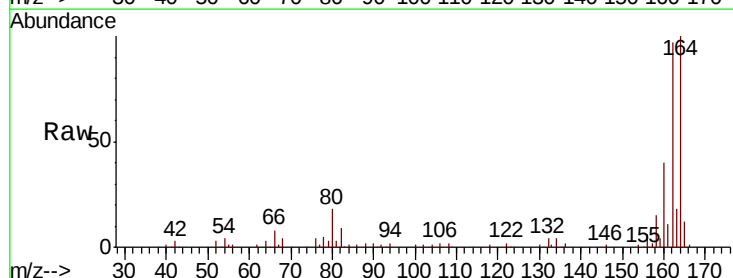
Tgt Ion: 164 Resp: 112398

Ion Ratio Lower Upper

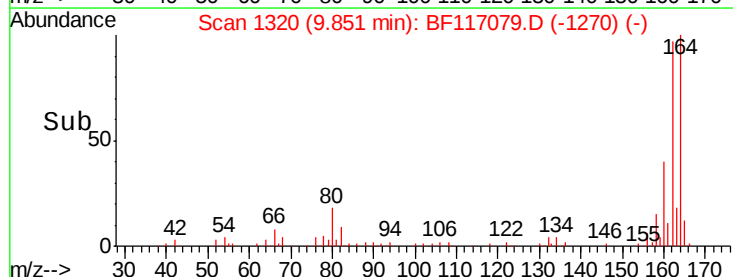
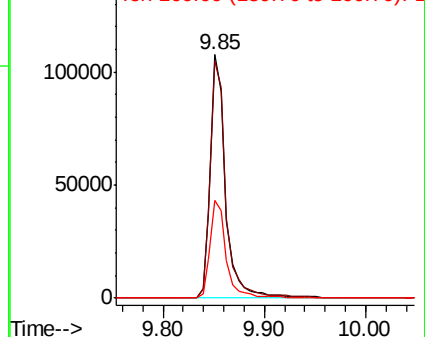
164 100

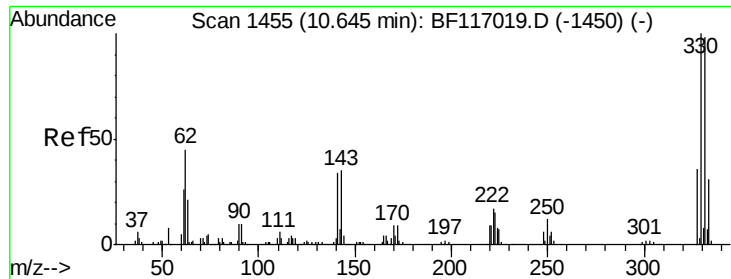
162 97.4 83.4 125.2

160 40.4 36.4 54.6



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: 6.647 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

ClientSampleId :

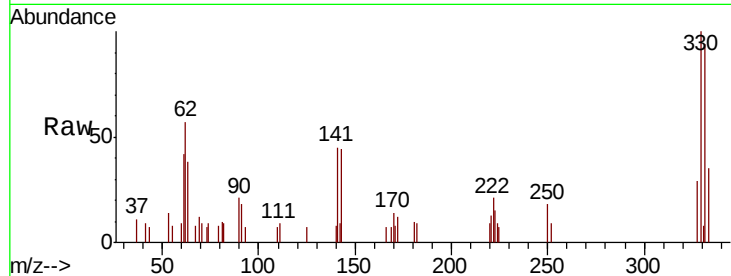
Tot Ion:330 Resp: 6244

Ion Ratio Lower Upper

330 100

332 85.6 78.0 117.0

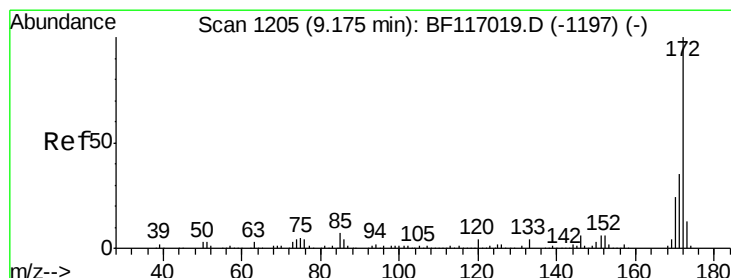
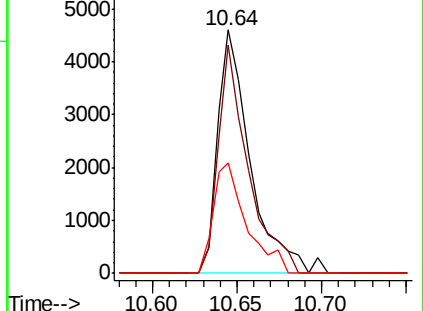
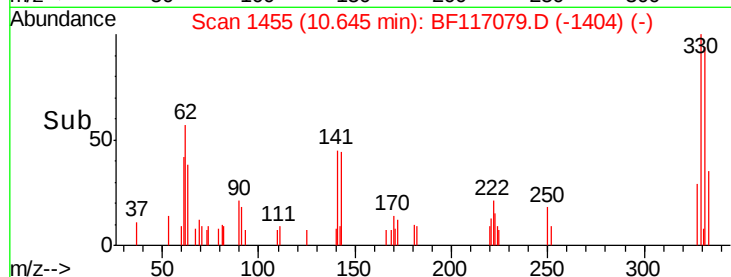
141 46.0 35.8 53.6



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: 6.335 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

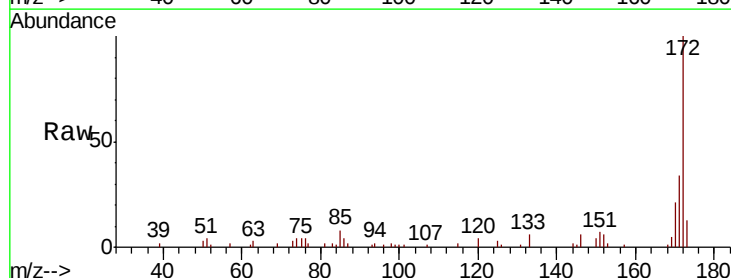
Tgt Ion:172 Resp: 45536

Ion Ratio Lower Upper

172 100

171 34.1 28.2 42.2

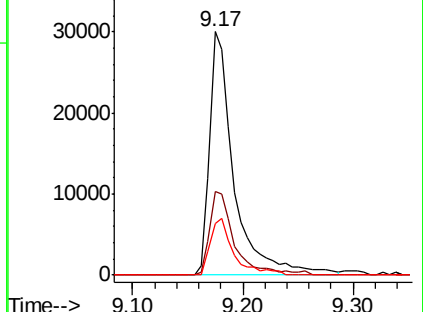
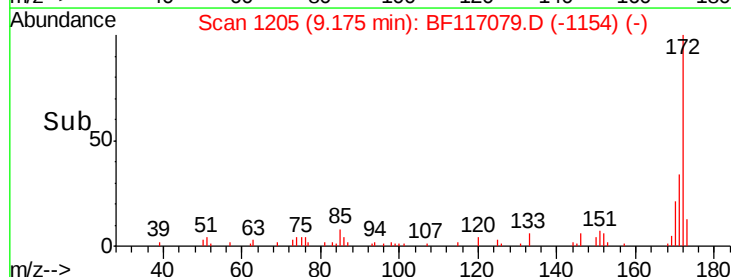
170 21.4 18.9 28.3

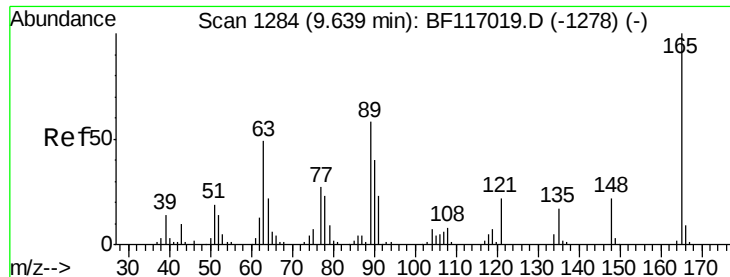


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

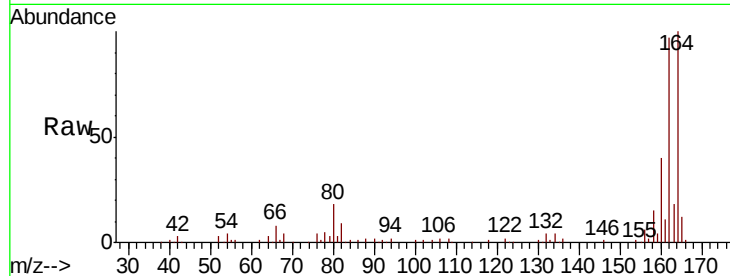




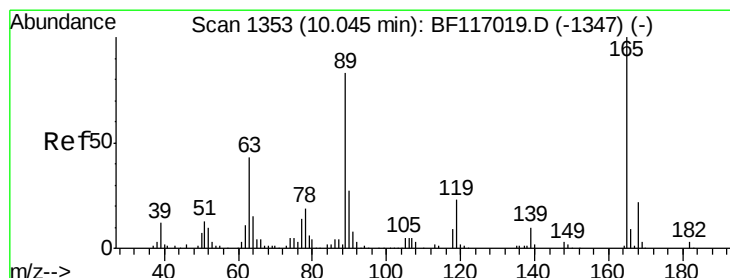
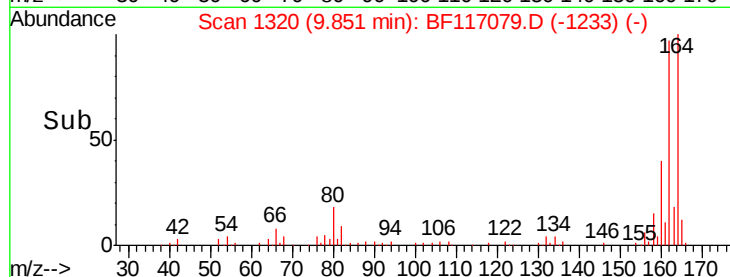
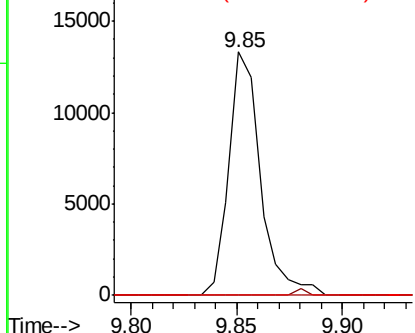
#51
 2,6-Dinitrotoluene
 Concen: 8.500 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



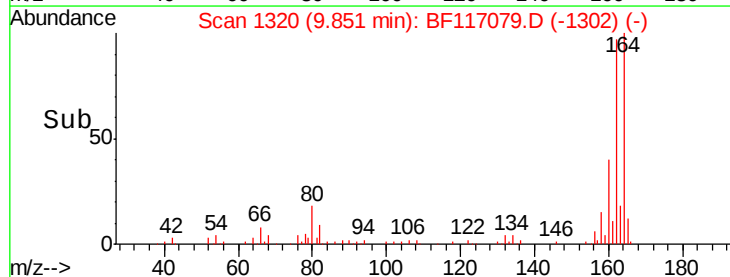
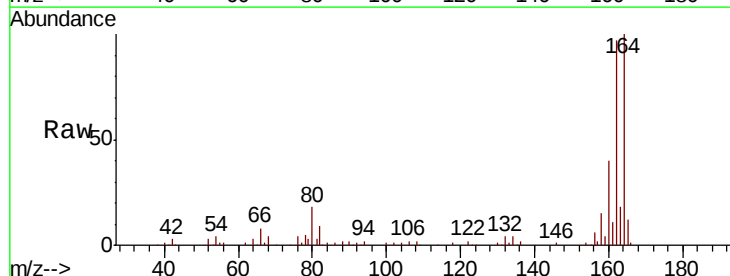
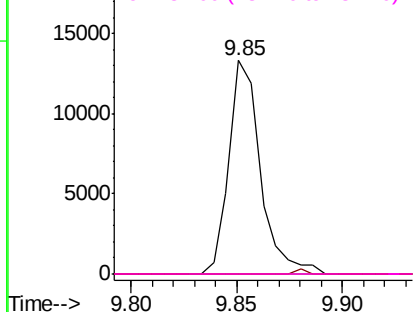
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

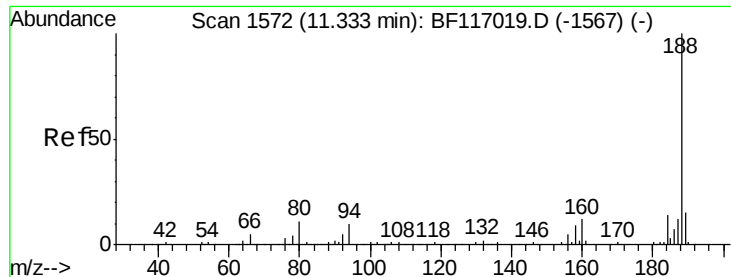


#57
 2,4-Dinitrotoluene
 Concen: 6.549 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

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

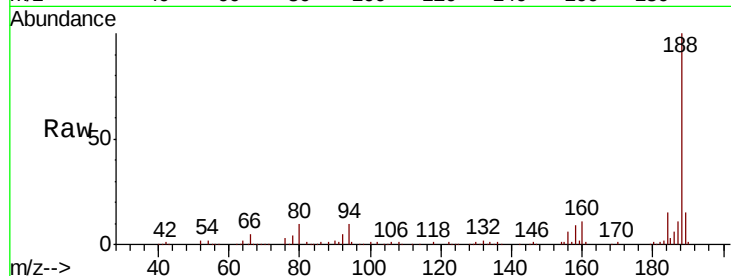




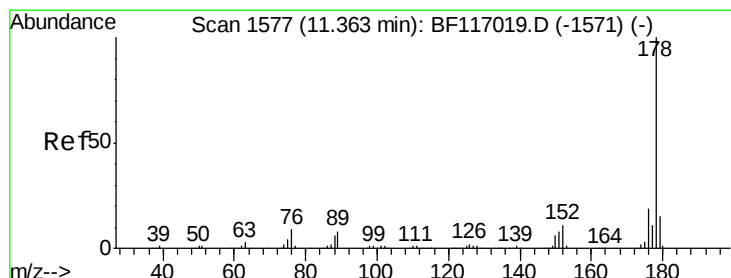
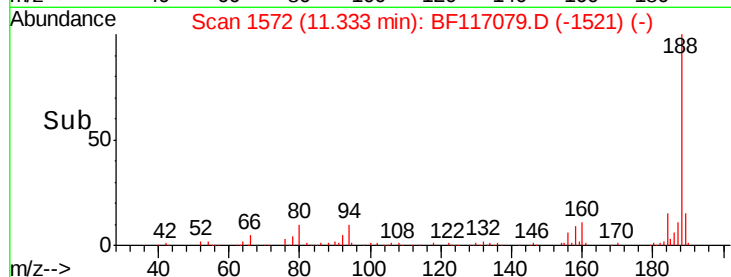
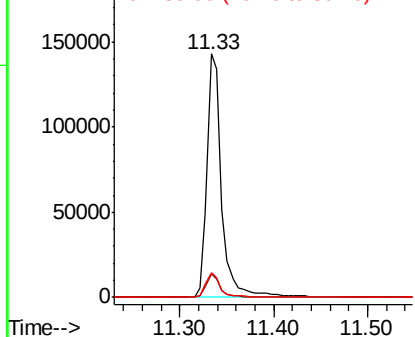
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 157966
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.2 9.0 13.6

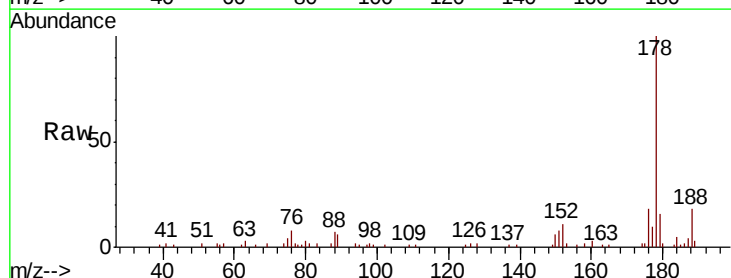


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

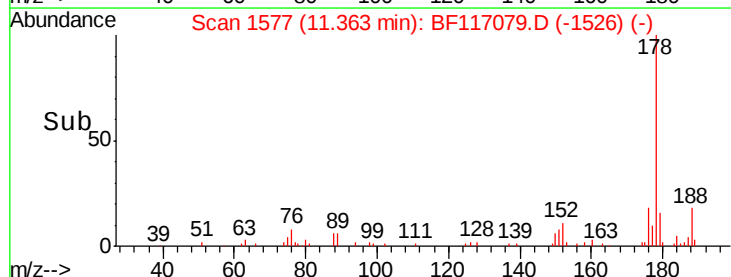
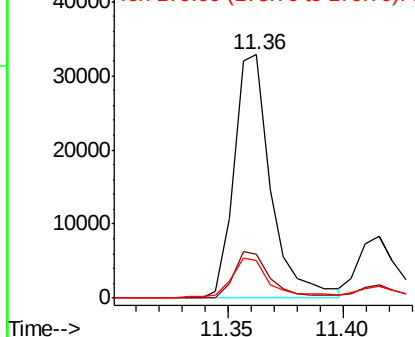


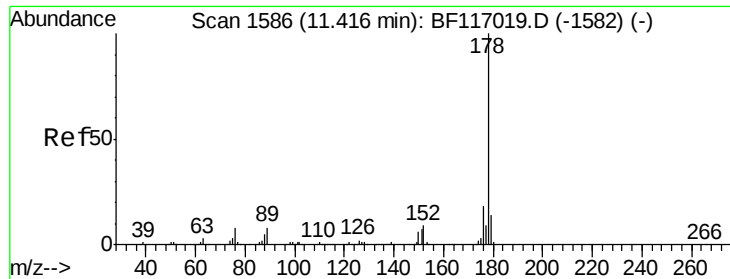
#71
Phenanthrene
Concen: 4.079 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion:178 Resp: 36598
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 15.5 12.4 18.6



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

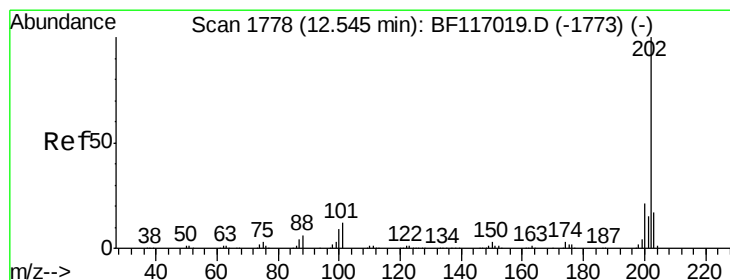
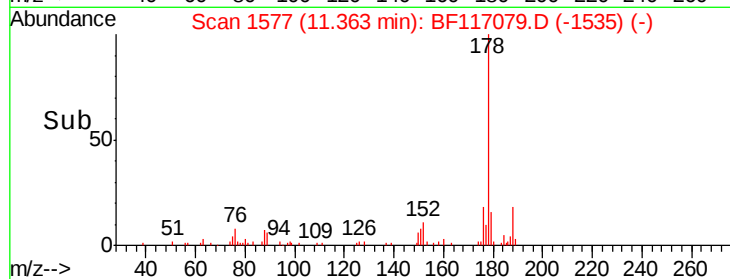
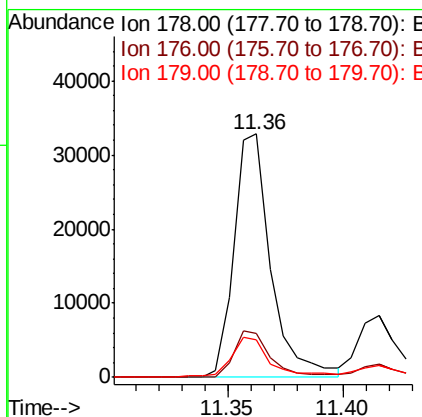
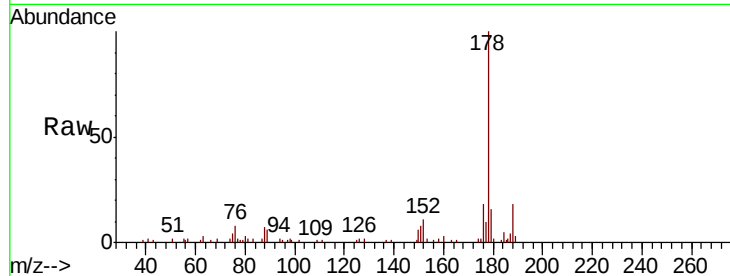




#72
 Anthracene
 Concen: 3.995 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.05 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

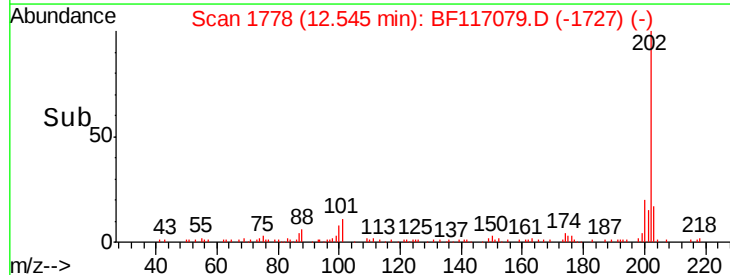
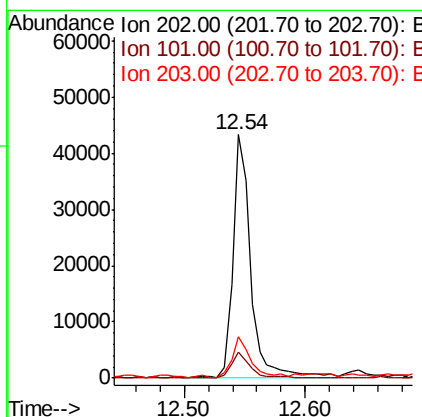
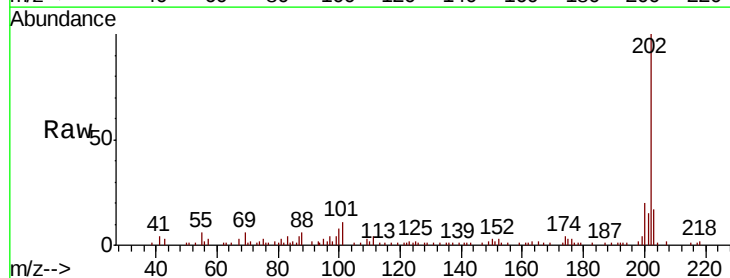
Instrument :
 BNA_F
 ClientSampleId :

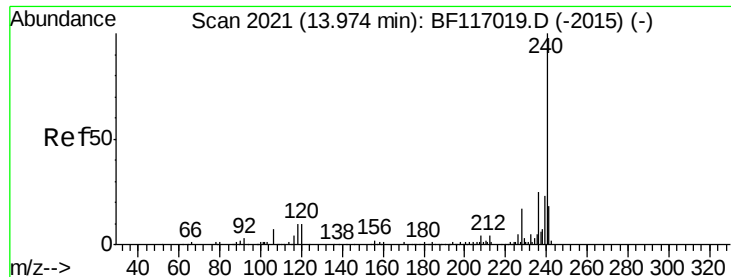
Tot Ion:178 Resp: 36598
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 21.8
 179 15.5 11.6 17.4



#75
 Fluoranthene
 Concen: 4.870 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

Tgt Ion:202 Resp: 44897
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 32.3
 203 17.0 0.0 37.1

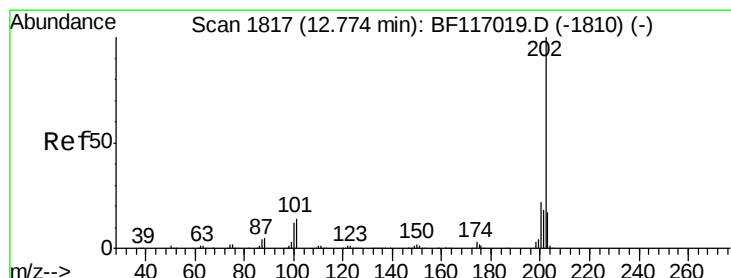
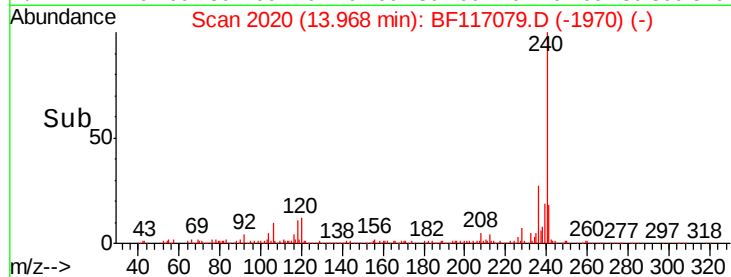
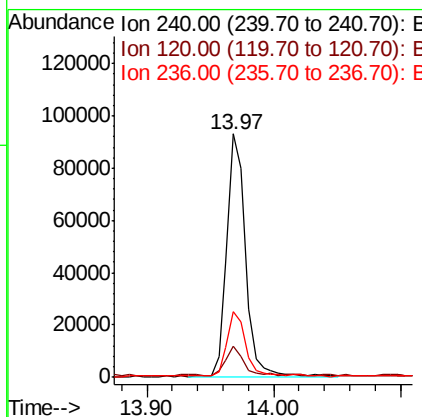
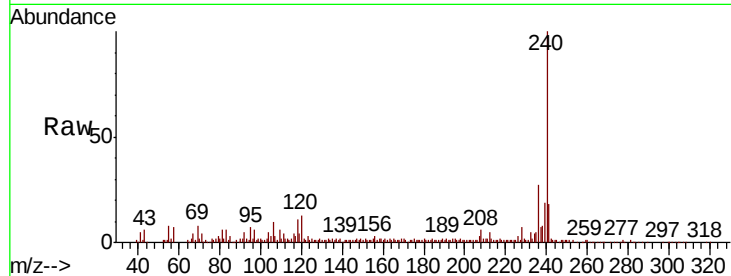




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

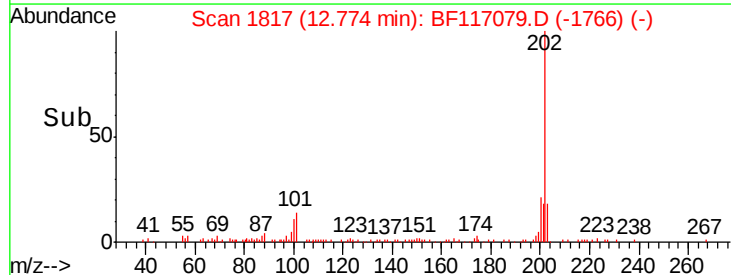
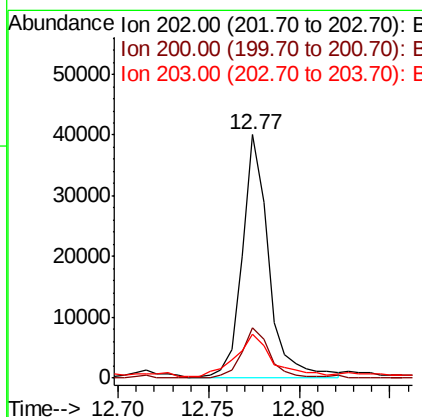
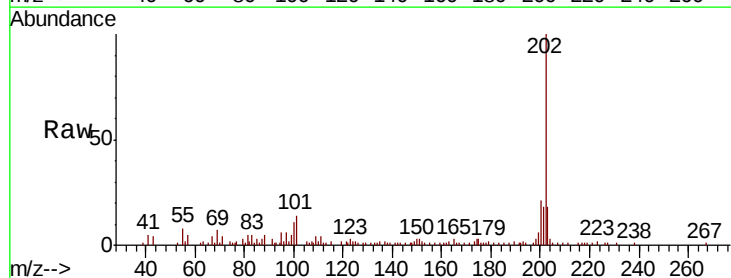
Instrument :
BNA_F
ClientSampleId :

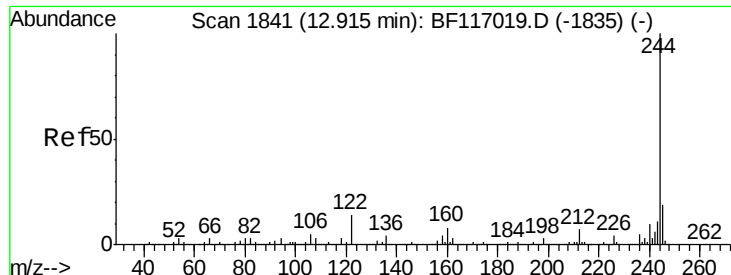
Tot Ion:240 Resp: 94825
Ion Ratio Lower Upper
240 100
120 12.8 8.3 12.5#
236 27.1 20.3 30.5



#78
Pyrene
Concen: 5.155 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion:202 Resp: 41012
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 18.3 14.0 21.0





#79

Terphenyl-d14

Concen: 7.761 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

ClientSampled :

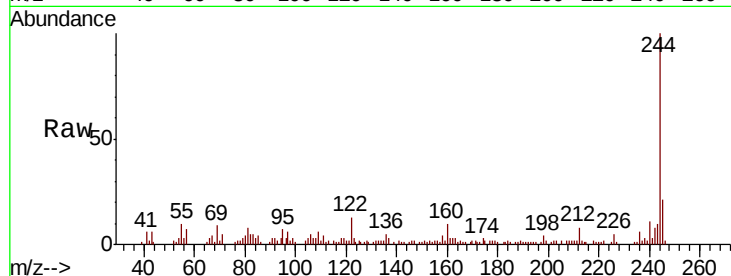
Tot Ion:244 Resp: 39371

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

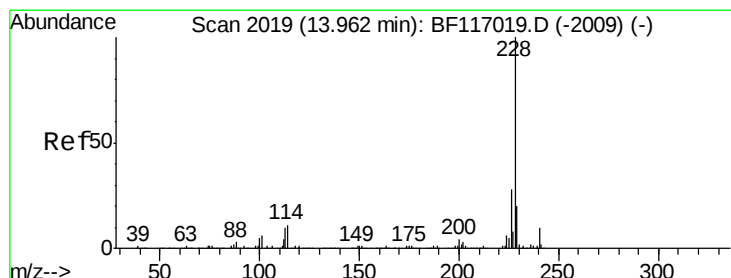
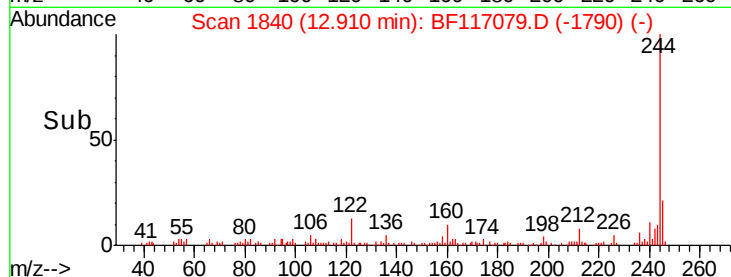
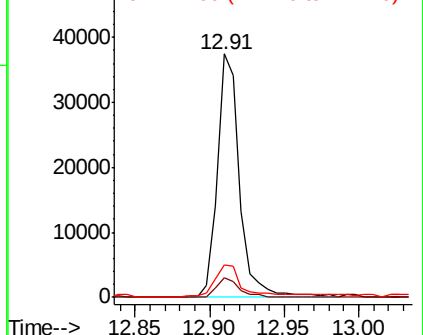
122 13.4 11.3 16.9



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: 2.548 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

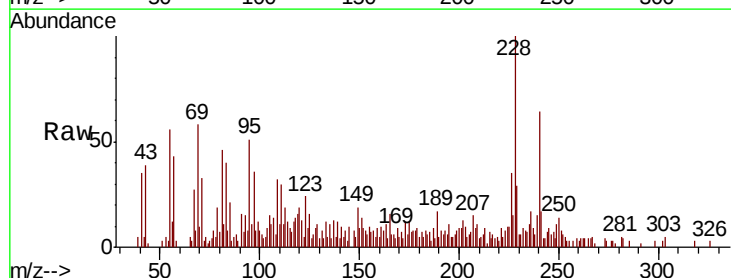
Tgt Ion:228 Resp: 16140

Ion Ratio Lower Upper

228 100

226 34.9 22.3 33.5#

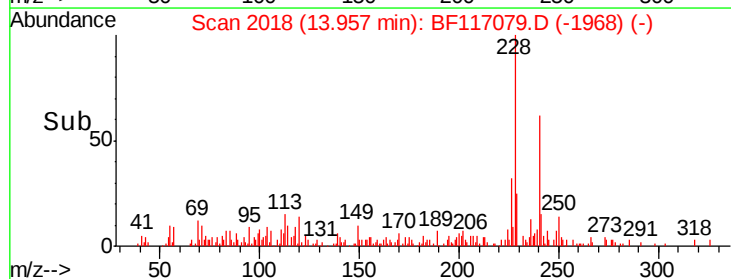
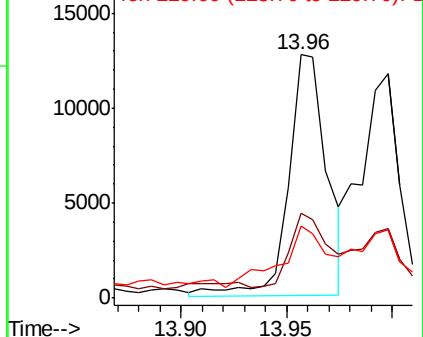
229 29.4 15.9 23.9#

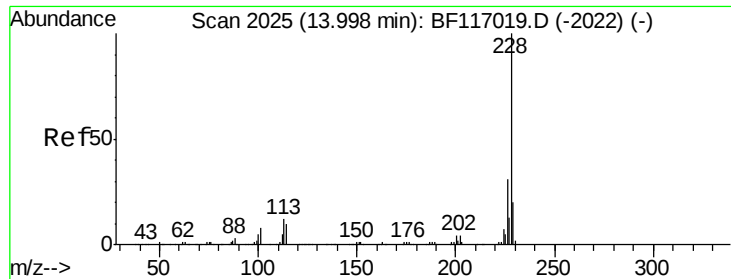


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

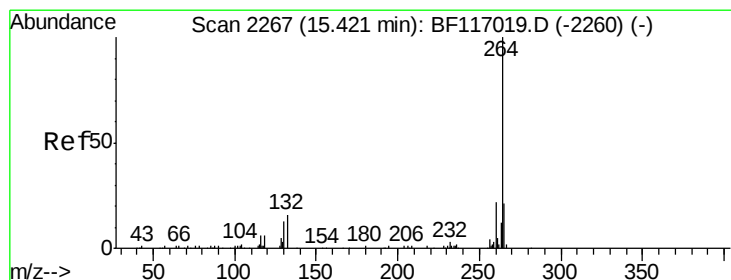
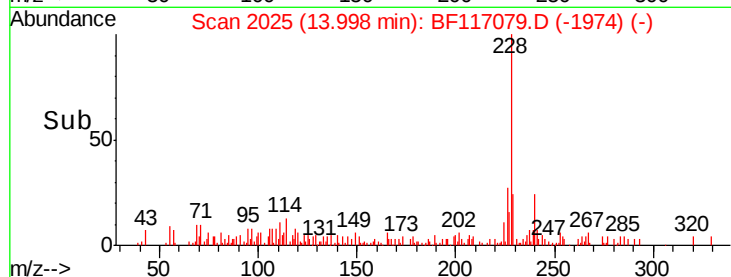
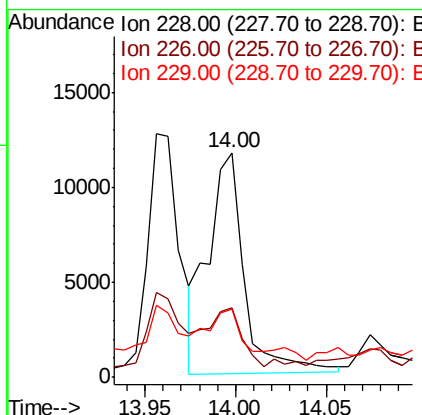
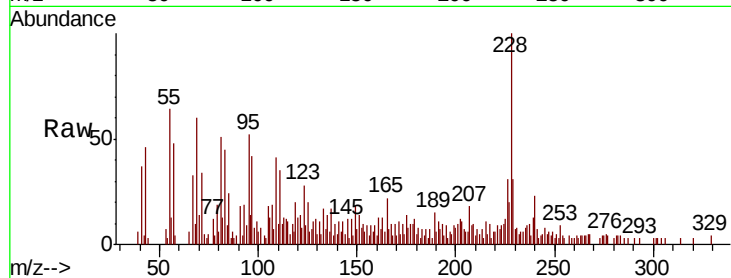




#83
Chrysene
Concen: 2.606 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

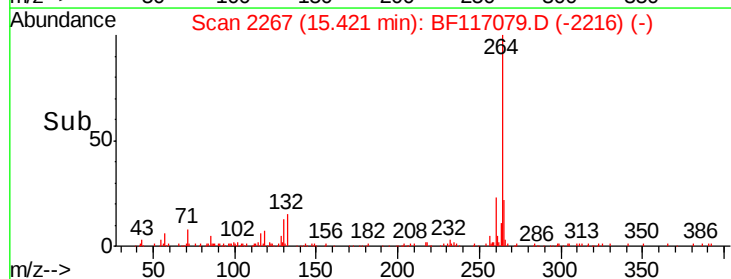
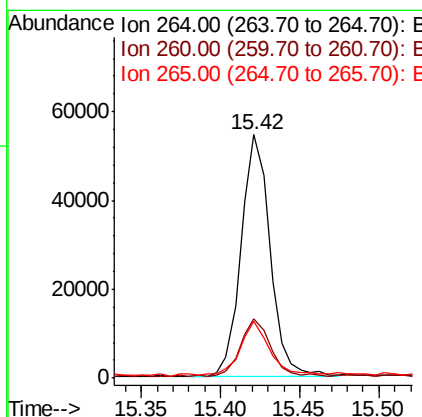
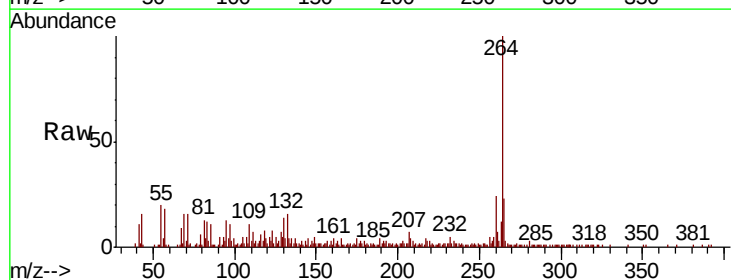
Instrument :
BNA_F
ClientSampleId :

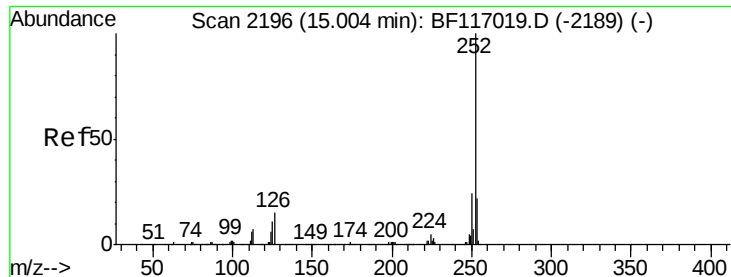
Tot Ion:228 Resp: 16103
Ion Ratio Lower Upper
228 100
226 30.9 24.8 37.2
229 30.5 15.8 23.8#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion:264 Resp: 69004
Ion Ratio Lower Upper
264 100
260 24.2 17.6 26.4
265 23.4 16.6 24.8

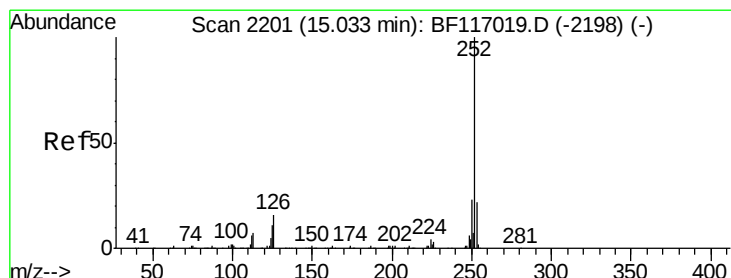
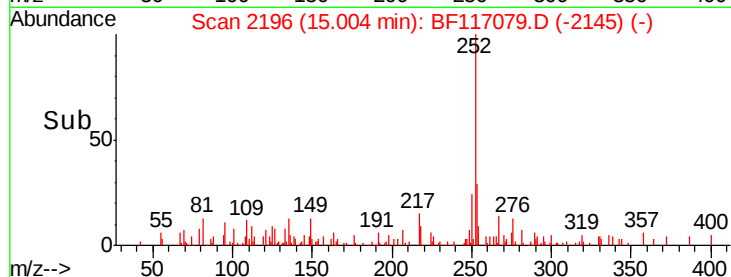
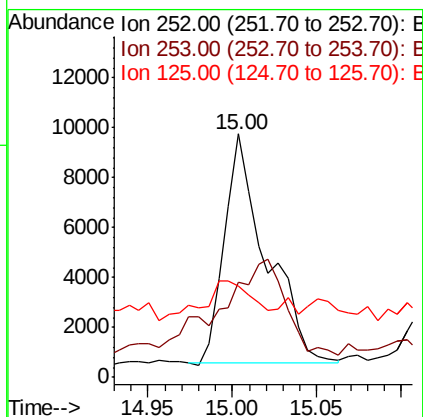
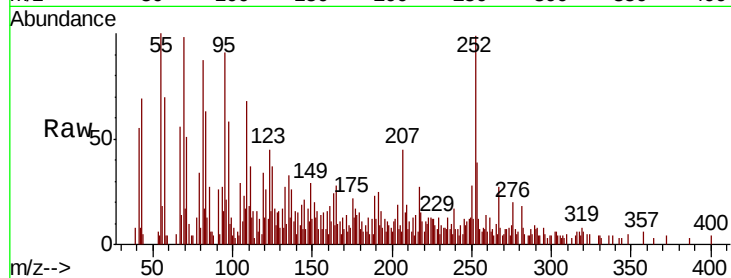




#88
Benzo(b)fluoranthene
Concen: 3.723 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

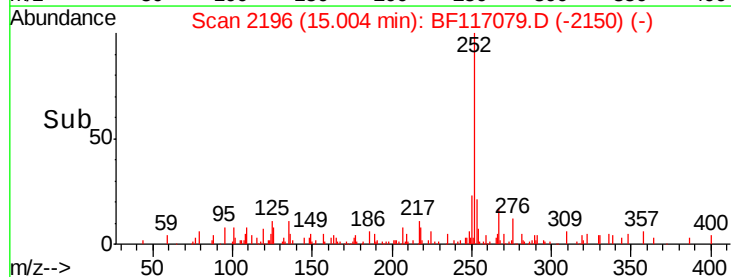
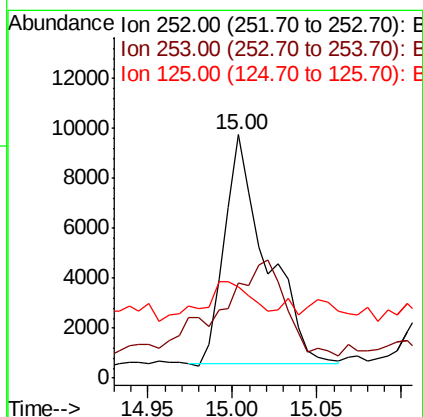
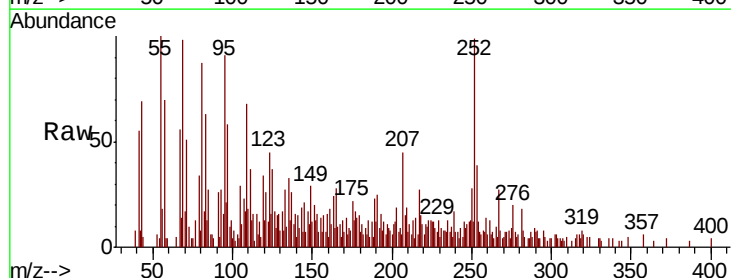
Instrument :
BNA_F
ClientSampleId :

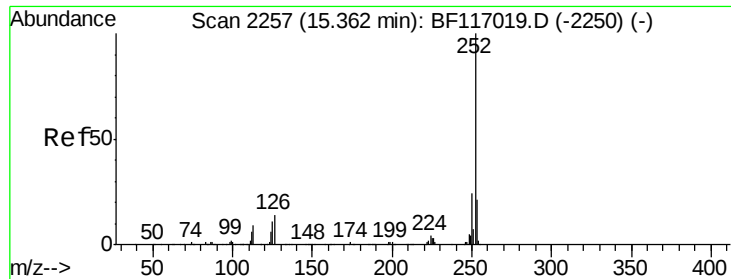
Tot Ion:252 Resp: 15560
Ion Ratio Lower Upper
252 100
253 39.3 17.6 26.4#
125 37.7 8.6 12.8#



#89
Benzo(k)fluoranthene
Concen: 3.930 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion:252 Resp: 15560
Ion Ratio Lower Upper
252 100
253 39.3 17.4 26.2#
125 37.7 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 2.360 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

ClientSampleId :

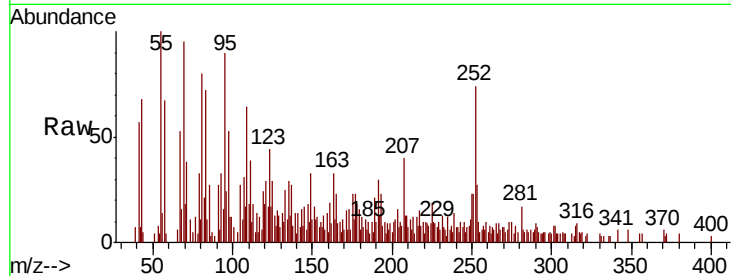
Tot Ion:252 Resp: 8656

Ion Ratio Lower Upper

252 100

253 36.7 16.6 25.0#

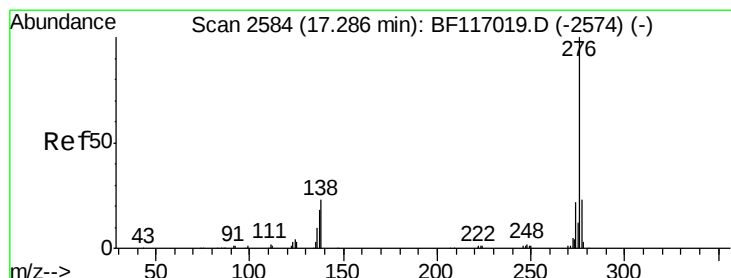
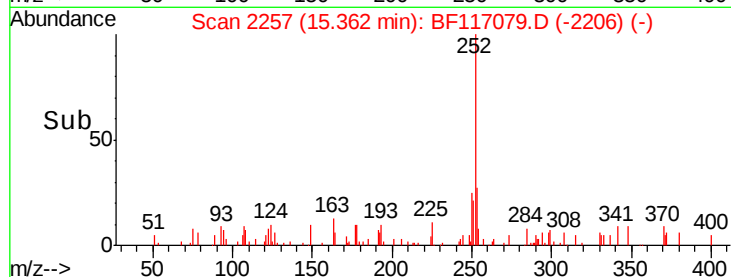
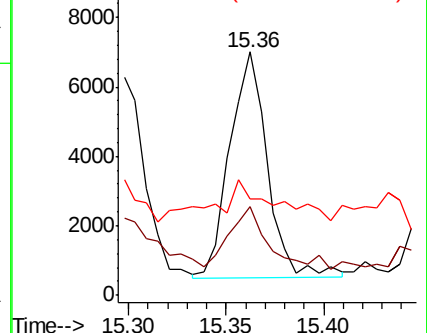
125 39.5 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 2.800 ng

RT: 17.30 min Scan# 2587

Delta R.T. 0.02 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

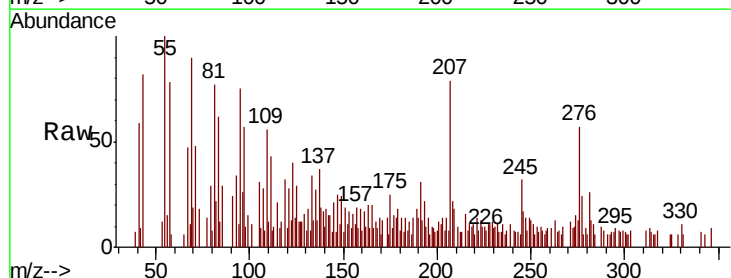
Tgt Ion:276 Resp: 8154

Ion Ratio Lower Upper

276 100

277 41.9 18.6 27.8#

138 33.0 18.0 27.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

