

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117071.D
 Acq On : 16 Sep 2019 18:52
 Operator : HP/JU
 Sample : K4862-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:14:53 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	54439	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	225313	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	103237	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	145647	20.00	ng	0.00
76) Chrysene-d12	13.97	240	98366	20.00	ng	0.00
87) Perylene-d12	15.43	264	69908	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	67153	19.26	ng	0.00
7) Phenol-d6	6.46	99	101403	22.50	ng	0.00
23) Nitrobenzene-d5	7.39	82	54616	12.74	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	16068	18.62	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	112354	17.02	ng	0.00
79) Terphenyl-d14	12.92	244	85584	16.26	ng	0.00

Target Compounds

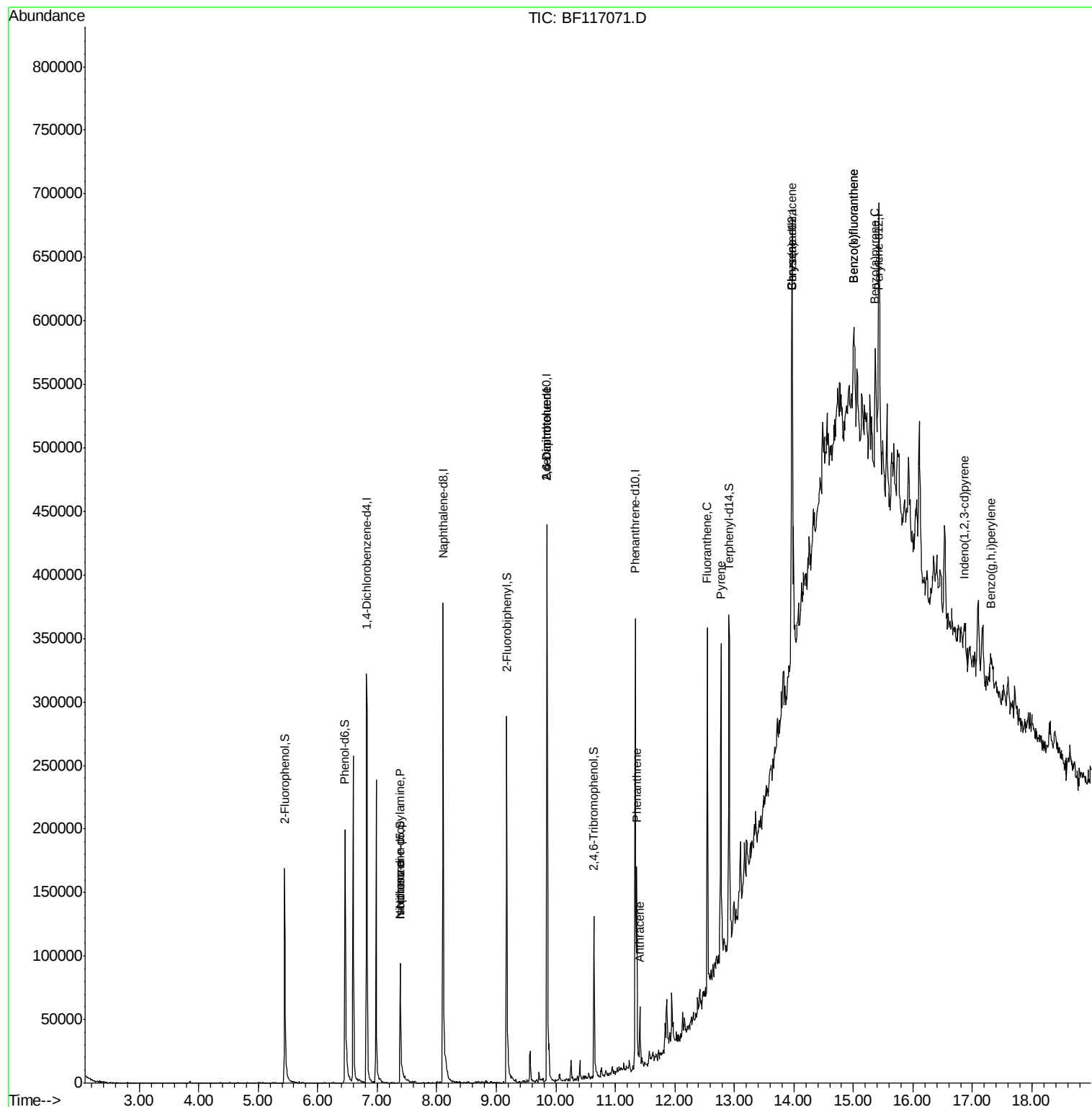
						Qvalue
9) Benzaldehyde	6.60	77	1845	Below Cal	#	62
19) n-Nitroso-di-n-propylamine	7.39	70	7250	2.642 ng	#	78
25) Isophorone	7.39	82	54616	7.193 ng	#	66
51) 2,6-Dinitrotoluene	9.85	165	13342	8.962 ng	#	25
57) 2,4-Dinitrotoluene	9.85	165	13450	6.960 ng	#	20
71) Phenanthrene	11.36	178	60516	7.315 ng		98
72) Anthracene	11.41	178	22688	2.686 ng		98
75) Fluoranthene	12.55	202	118942	13.993 ng		97
78) Pyrene	12.77	202	102807	12.456 ng		98
81) Benzo(a)anthracene	13.96	228	47509	7.229 ng		94
83) Chrysene	13.96	228	47509	7.412 ng		96
86) Indeno(1,2,3-cd)pyrene	16.87	276	14132	3.022 ng	#	88
88) Benzo(b)fluoranthene	15.01	252	49844	11.771 ng	#	79
89) Benzo(k)fluoranthene	15.01	252	49844	12.426 ng	#	79
90) Benzo(a)pyrene	15.37	252	25811	6.946 ng	#	75
92) Benzo(g,h,i)perylene	17.31	276	16030	5.434 ng	#	89

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

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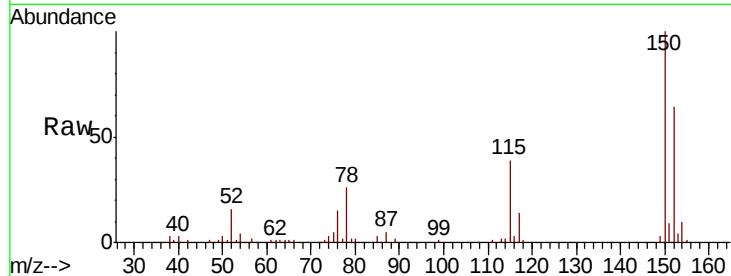


#1

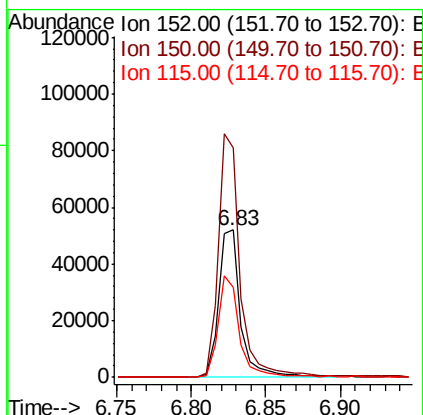
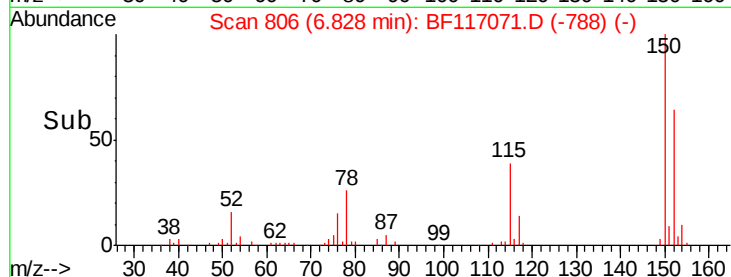
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 54439
Ion Ratio Lower Upper
152 100
150 155.6 127.5 191.3
115 61.1 55.0 82.4



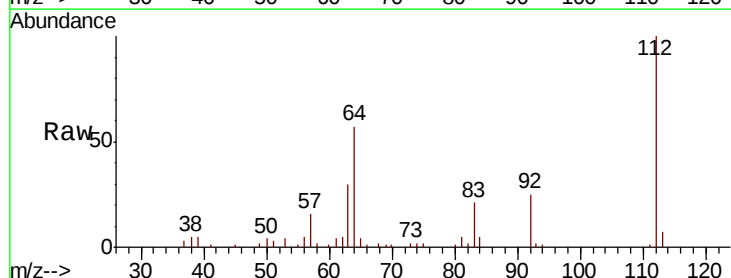
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



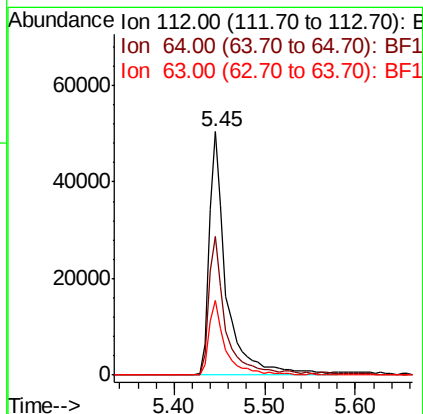
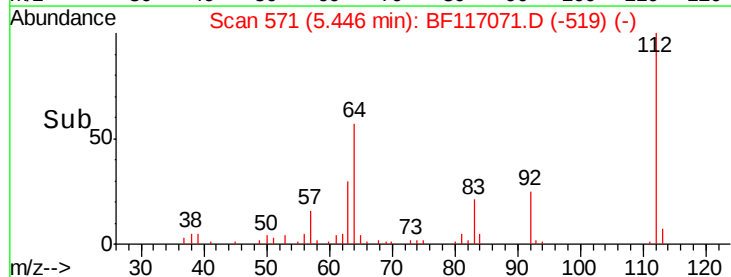
#5

2-Fluorophenol
Concen: 19.259 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:112 Resp: 67153
Ion Ratio Lower Upper
112 100
64 57.2 45.7 68.5
63 30.5 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: 22.502 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

Instrument :

BNA_F

ClientSampled :

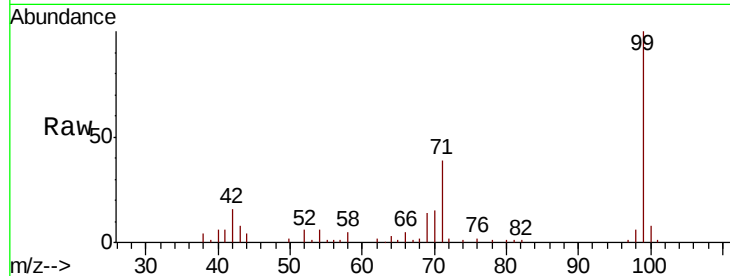
Tot Ion: 99 Resp: 101403

Ion Ratio Lower Upper

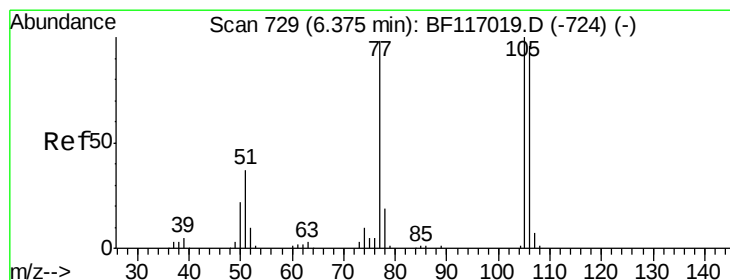
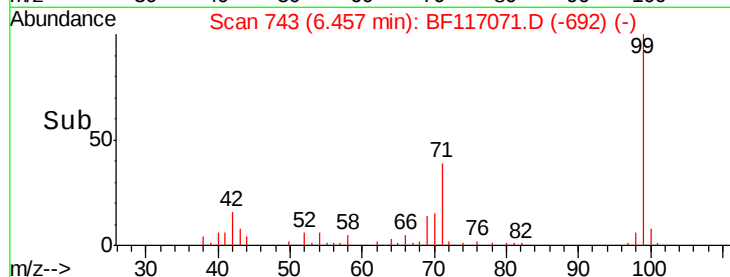
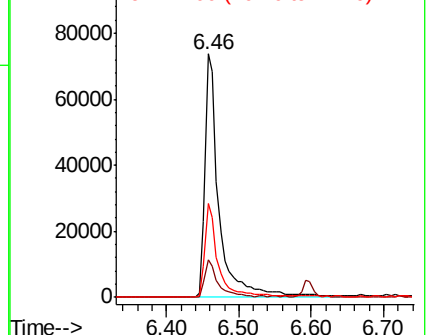
99 100

42 15.6 12.2 18.2

71 38.7 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: BF117071.D

Acq: 16 Sep 2019 18:52

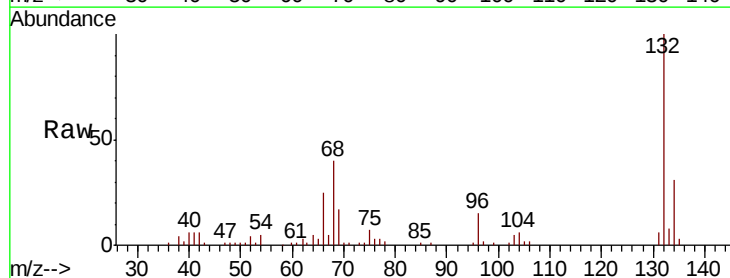
Tgt Ion: 77 Resp: 1845

Ion Ratio Lower Upper

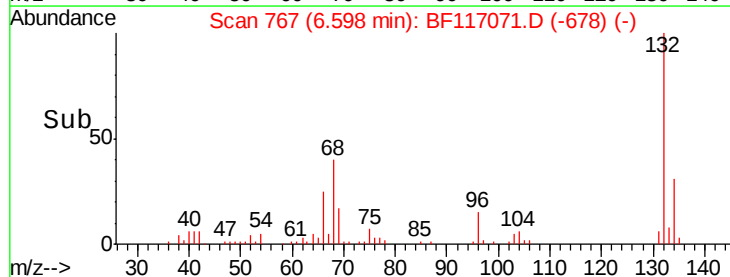
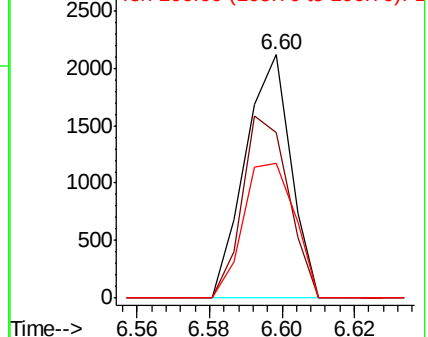
77 100

105 68.1 81.8 121.8#

106 55.3 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

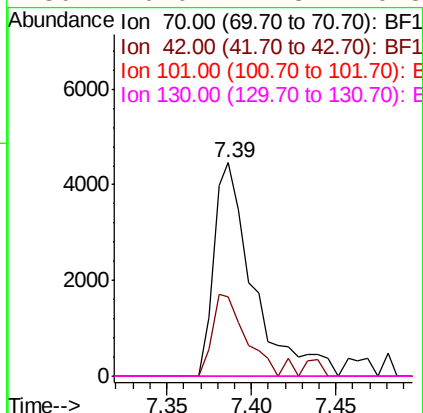
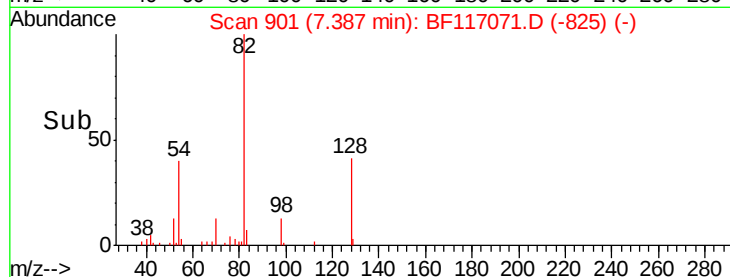
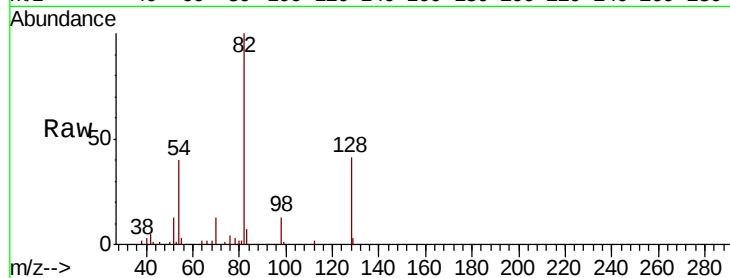




#19
n-Nitroso-di-n-propylamine
Concen: 2.642 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

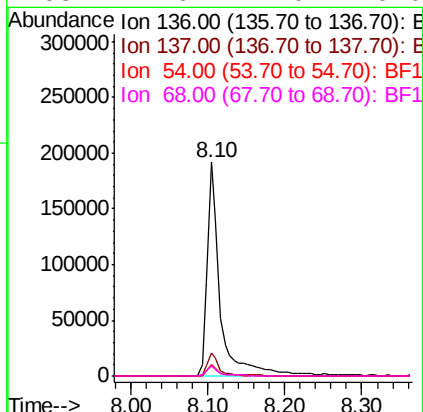
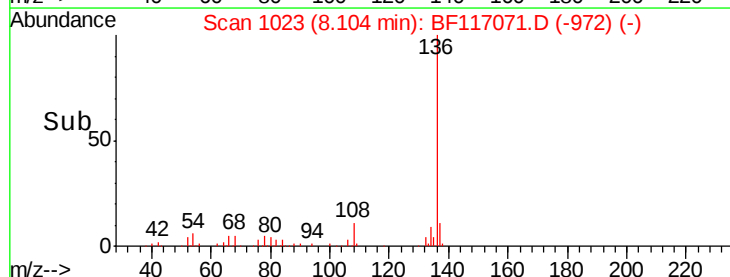
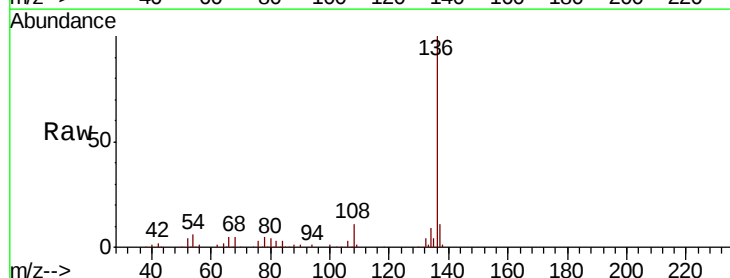
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 7250
Ion Ratio Lower Upper
70 100
42 37.1 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion: 136 Resp: 225313
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 5.5 4.5 6.7
68 4.6 4.0 6.0

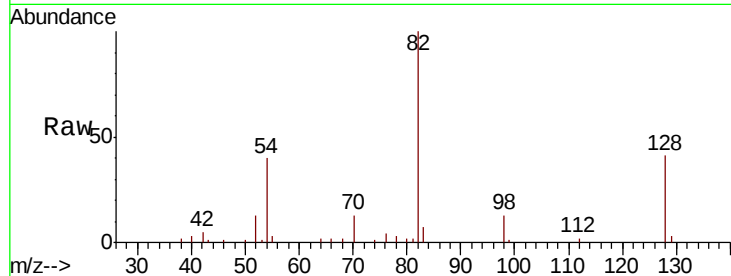




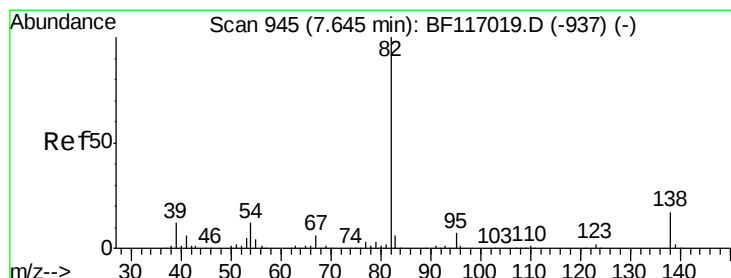
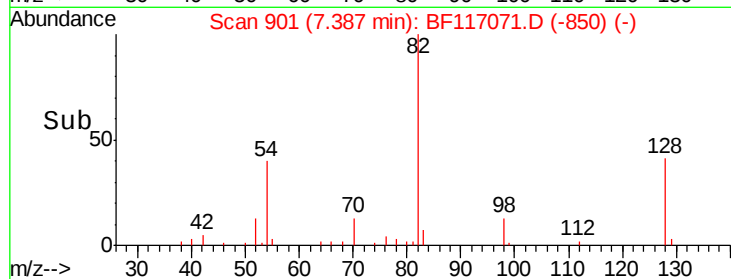
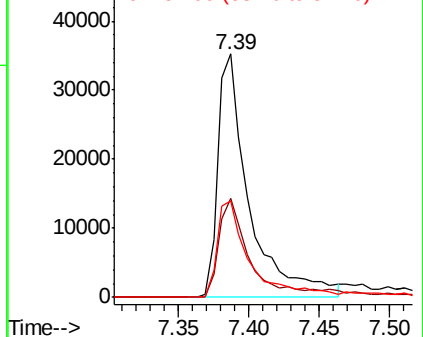
#23
 Nitrobenzene-d5
 Concen: 12.736 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117071.D
 Acq: 16 Sep 2019 18:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	54616
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.3	48.5
54	39.7	33.3	49.9

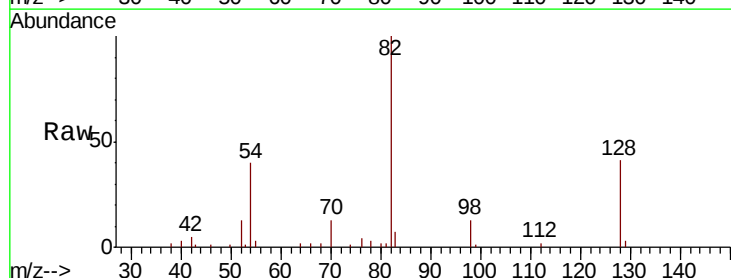


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

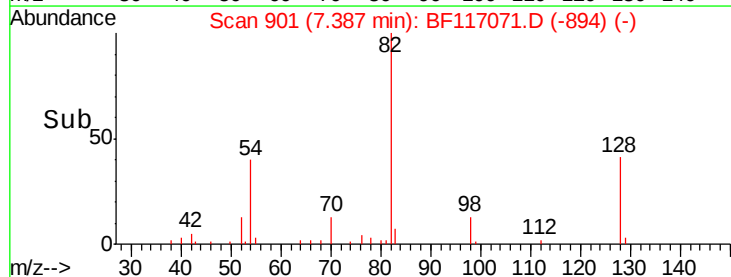
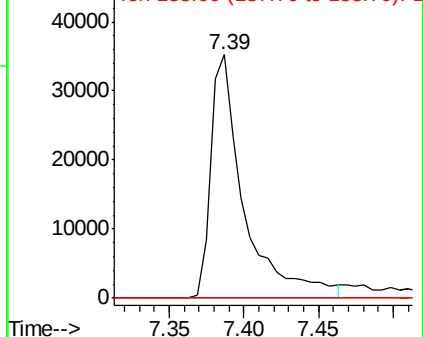


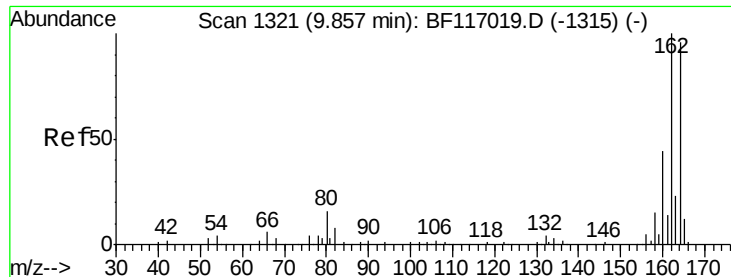
#25
 Isophorone
 Concen: 7.193 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117071.D
 Acq: 16 Sep 2019 18:52

Tgt Ion	82	Resp	54616
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

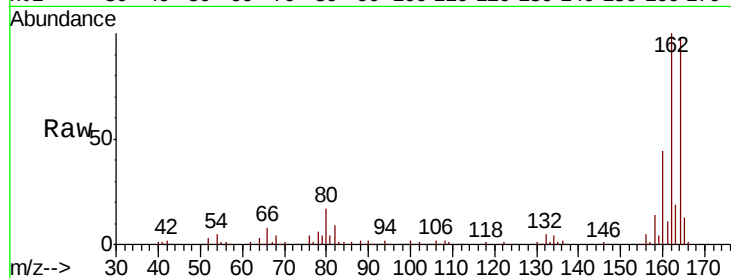




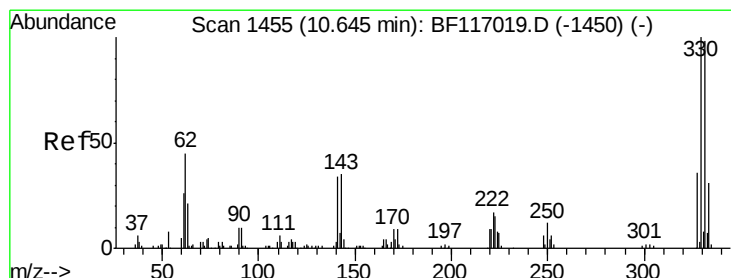
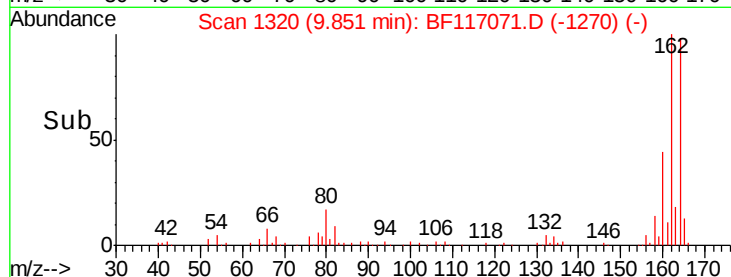
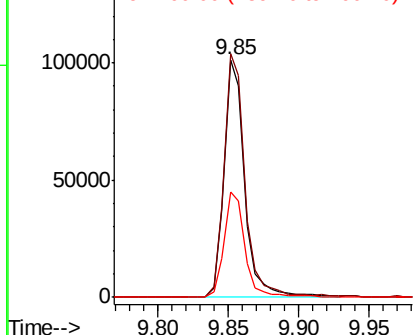
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 103237
Ion Ratio Lower Upper
164 100
162 102.5 83.4 125.2
160 44.6 36.4 54.6

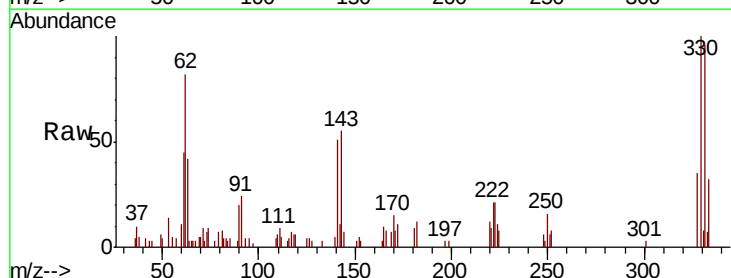


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

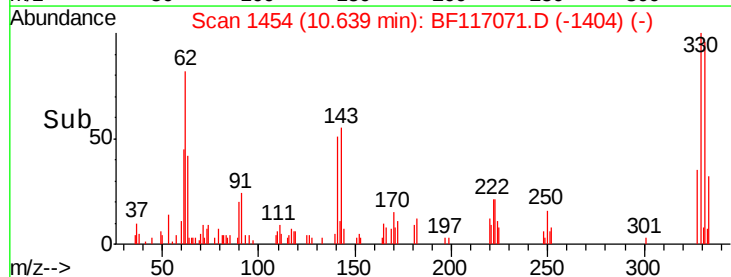
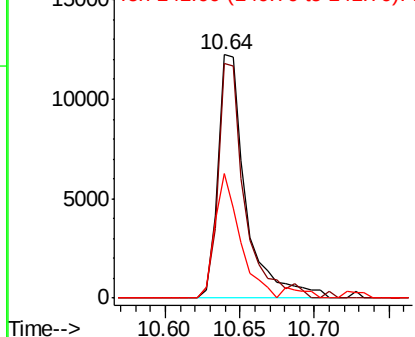


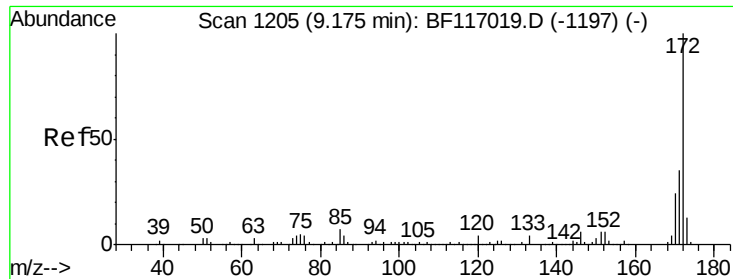
#42
2,4,6-Tribromophenol
Concen: 18.623 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:330 Resp: 16068
Ion Ratio Lower Upper
330 100
332 91.5 78.0 117.0
141 45.5 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

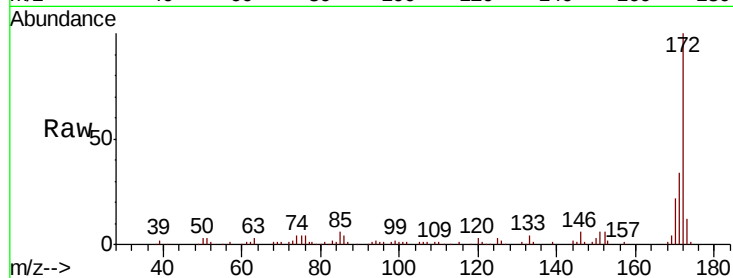




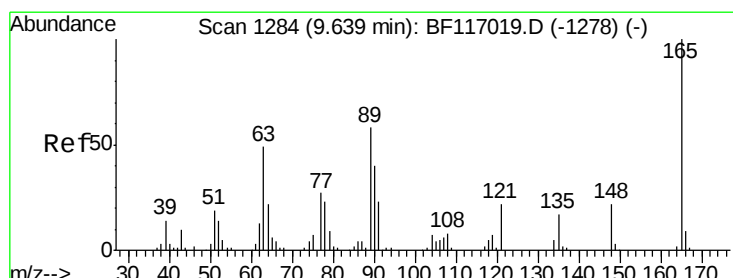
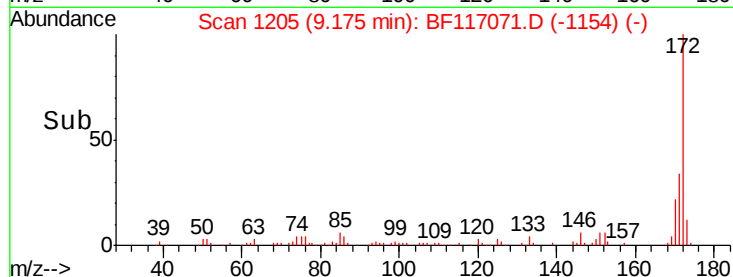
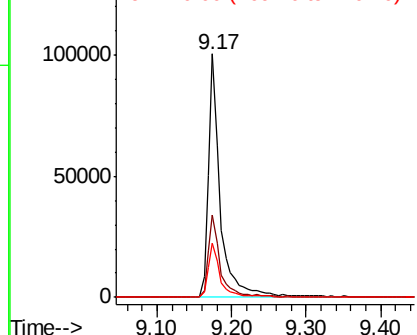
#45
2-Fluorobiphenyl
Concen: 17.017 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.2	42.2
170	22.3	18.9	28.3

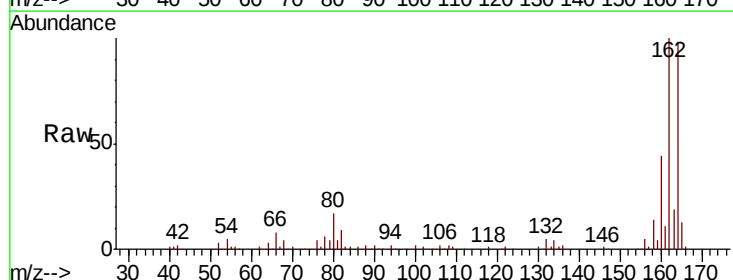


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

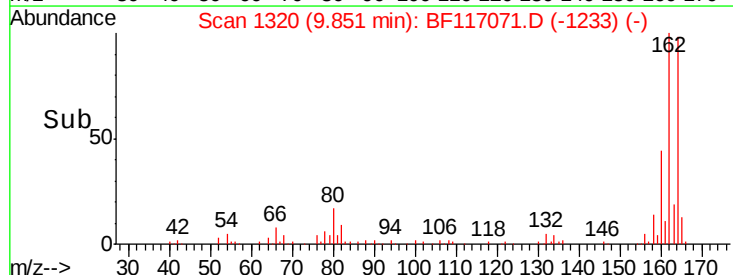
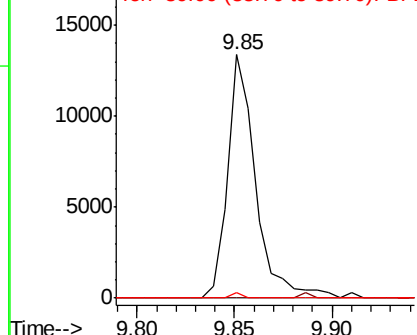


#51
2,6-Dinitrotoluene
Concen: 8.962 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	2.4	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

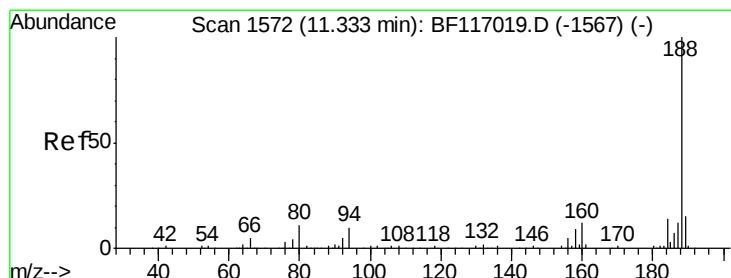
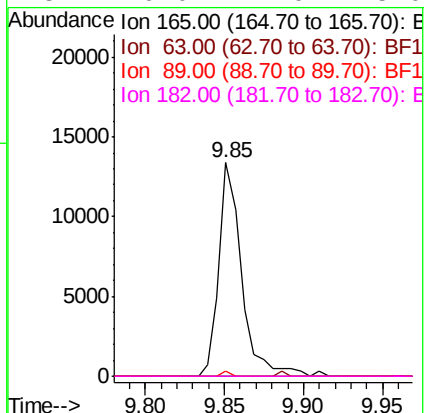
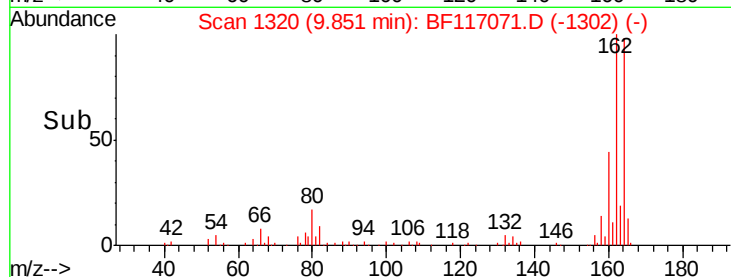
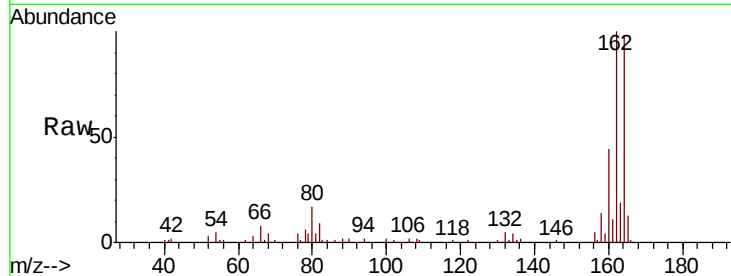




#57
 2,4-Dinitrotoluene
 Concen: 6.960 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117071.D
 Acq: 16 Sep 2019 18:52

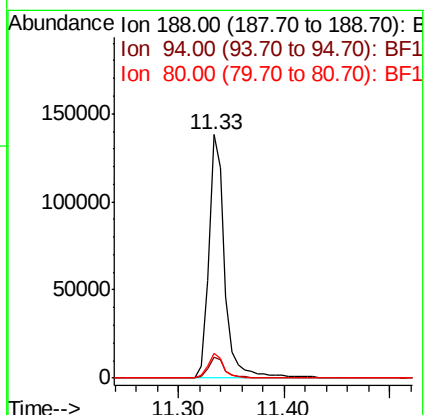
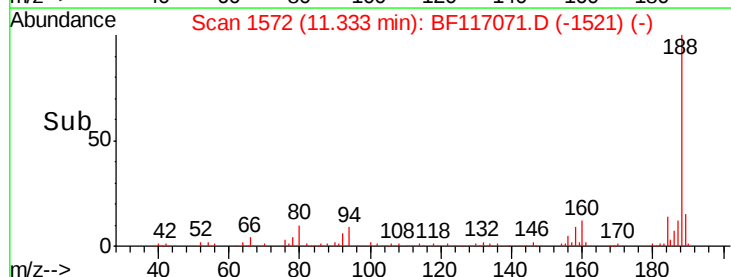
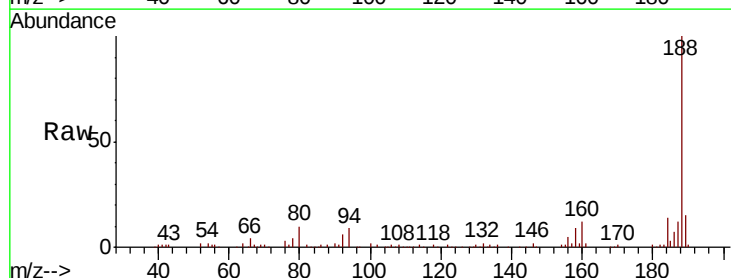
Instrument :
 BNA_F
 ClientSampleId :

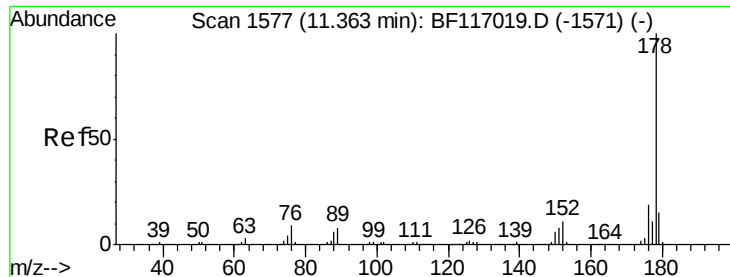
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	2.4	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117071.D
 Acq: 16 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	10.3	9.0	13.6

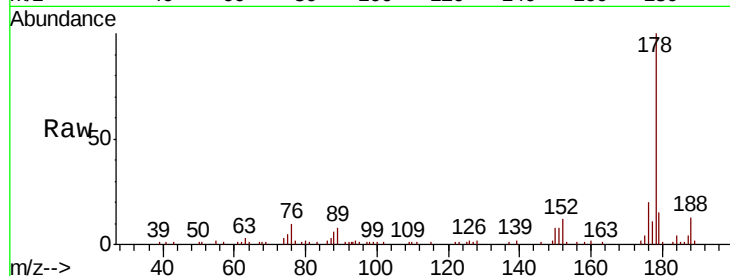




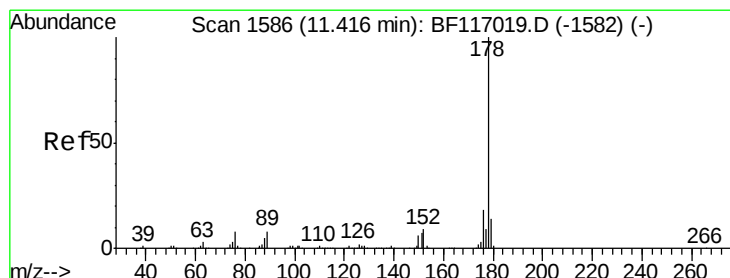
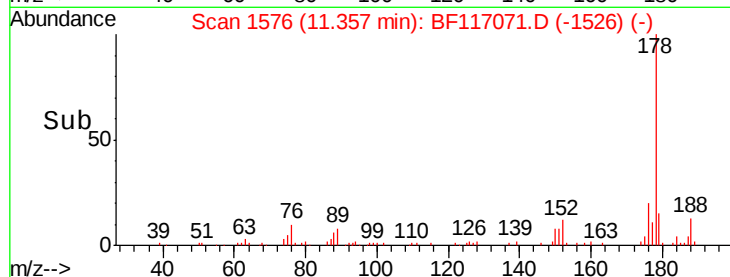
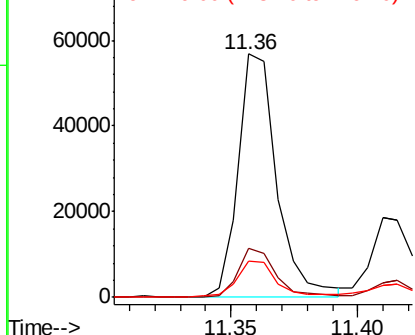
#71
Phenanthrene
Concen: 7.315 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 60516
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 14.8 12.4 18.6

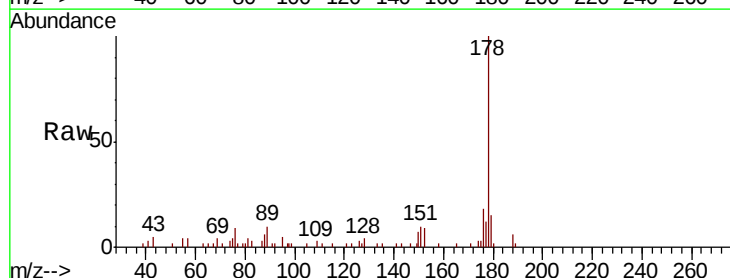


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

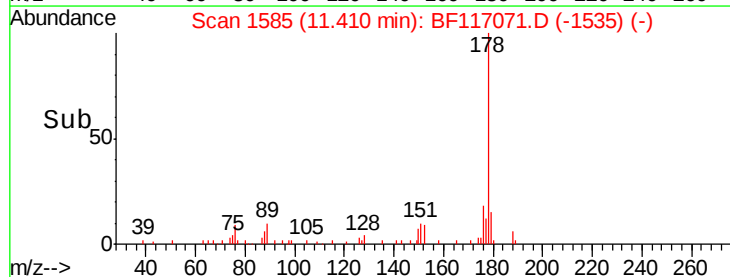
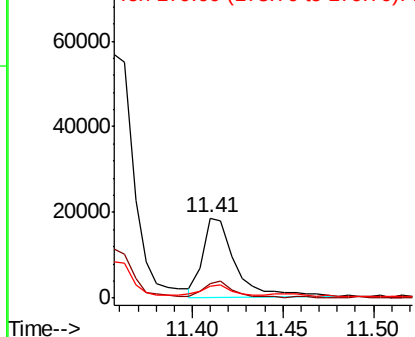


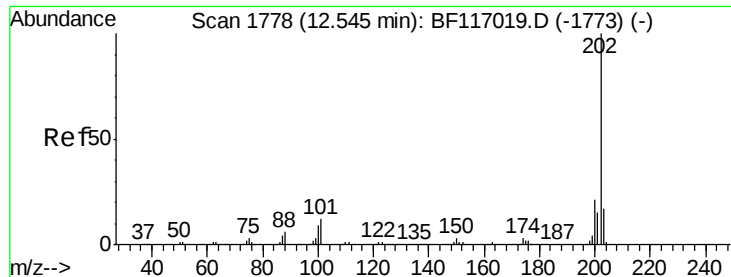
#72
Anthracene
Concen: 2.686 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:178 Resp: 22688
Ion Ratio Lower Upper
178 100
176 17.5 14.6 21.8
179 15.5 11.6 17.4



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: 13.993 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

Instrument :

BNA_F

ClientSampleId :

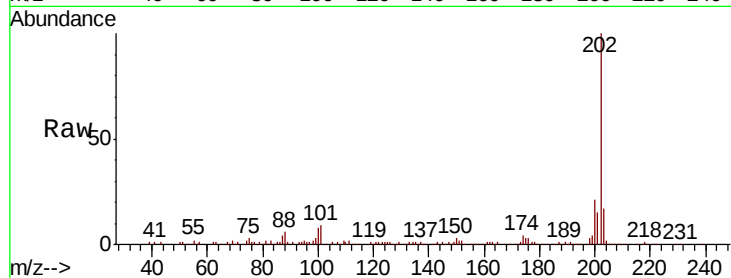
Tot Ion:202 Resp: 118942

Ion Ratio Lower Upper

202 100

101 9.2 0.0 32.3

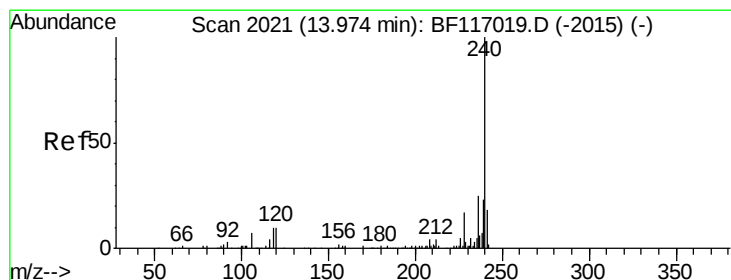
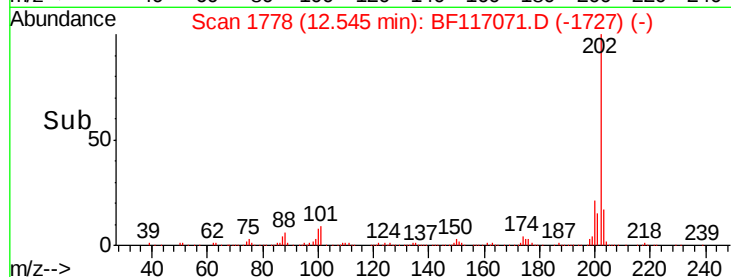
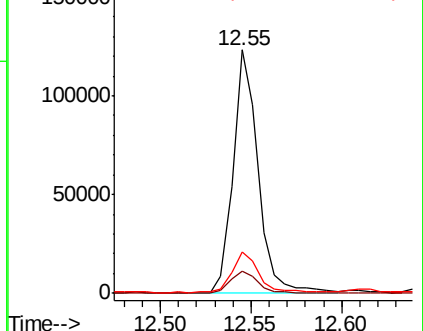
203 17.1 0.0 37.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

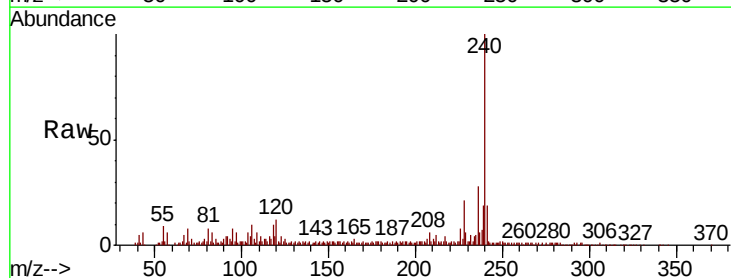
Tgt Ion:240 Resp: 98366

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

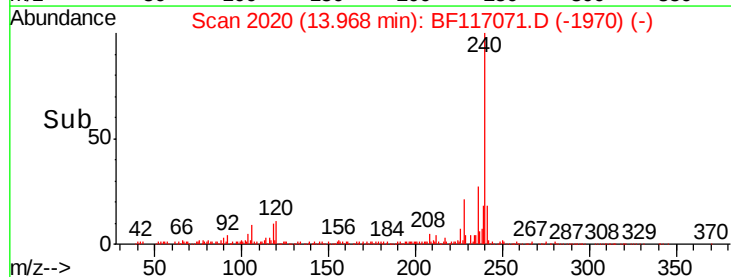
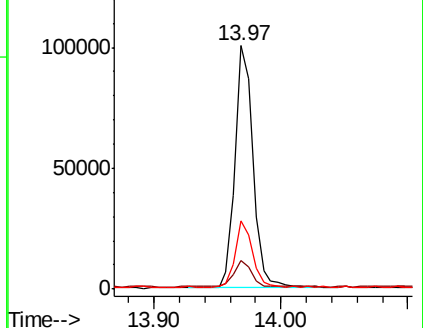
236 27.9 20.3 30.5

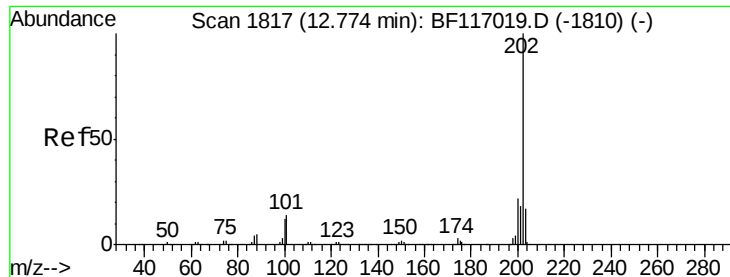


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.456 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

Instrument :

BNA_F

ClientSampleId :

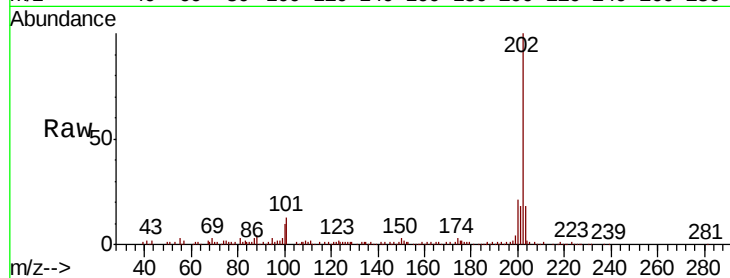
Tot Ion:202 Resp: 102807

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

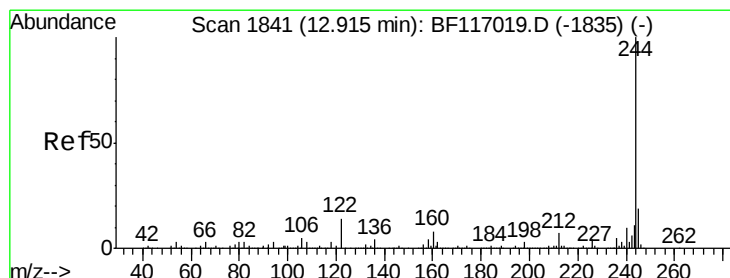
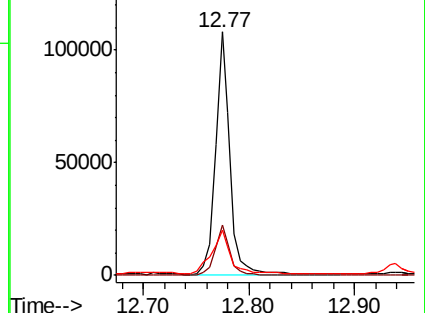
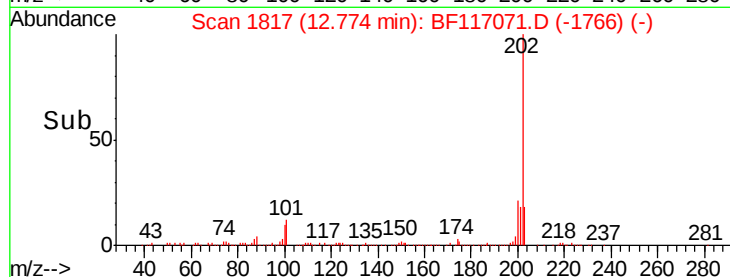
203 18.3 14.0 21.0



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: 16.263 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

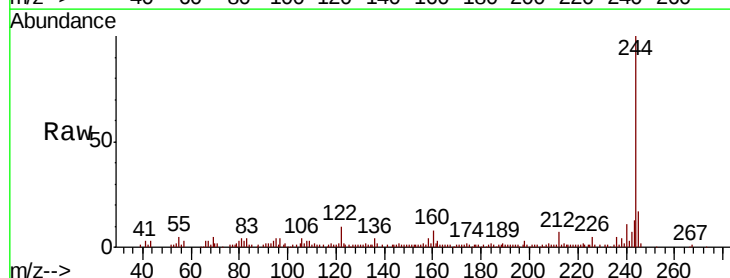
Tgt Ion:244 Resp: 85584

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

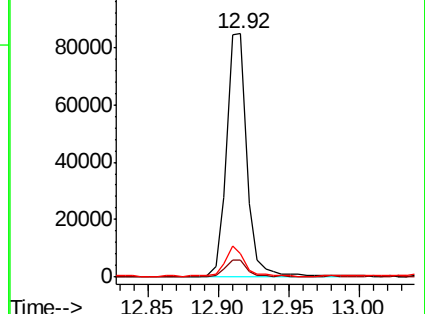
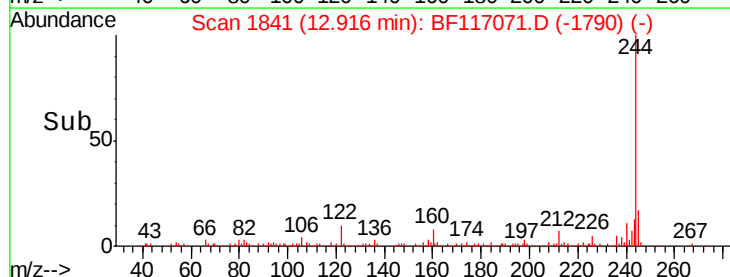
122 9.6 11.3 16.9#

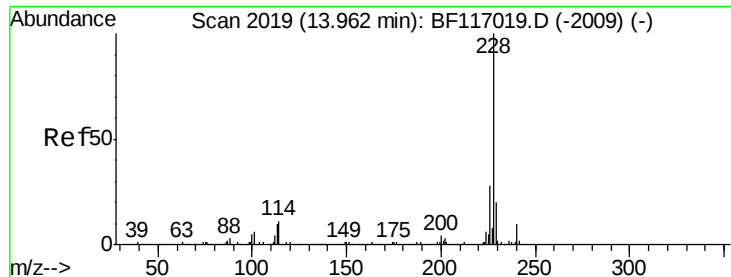


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.229 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

Instrument :

BNA_F

ClientSampleId :

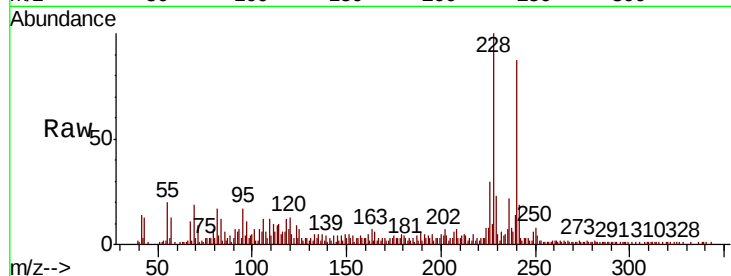
Tot Ion:228 Resp: 47509

Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

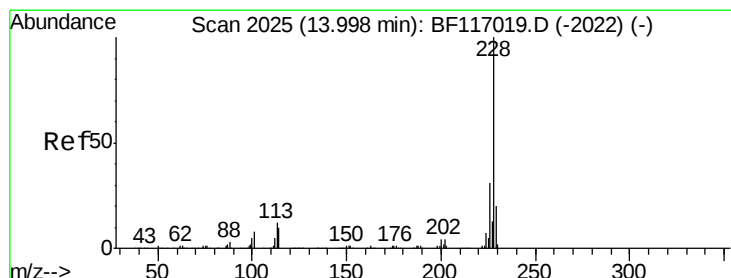
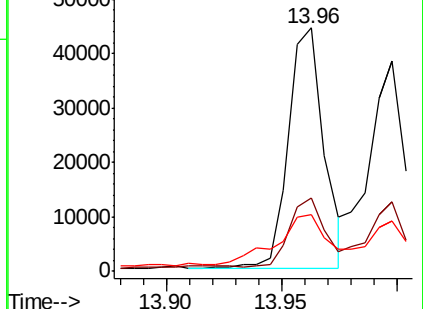
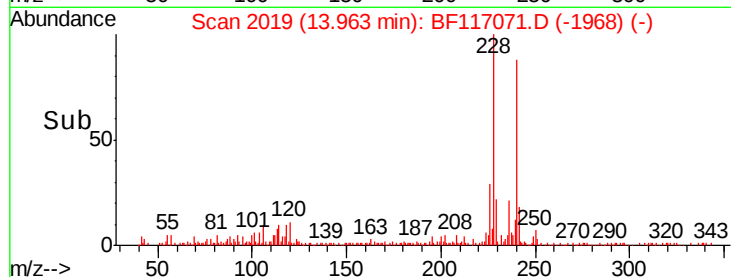
229 23.4 15.9 23.9



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: 7.412 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.04 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

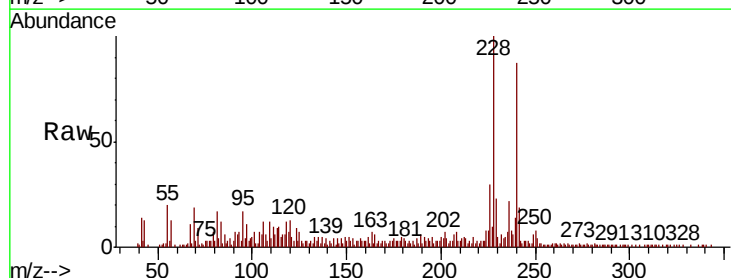
Tgt Ion:228 Resp: 47509

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

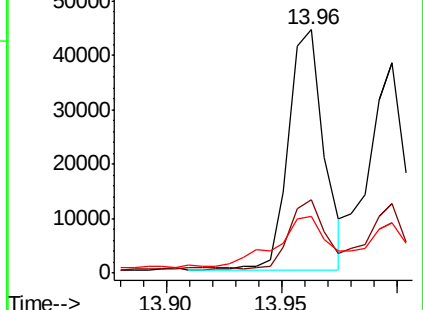
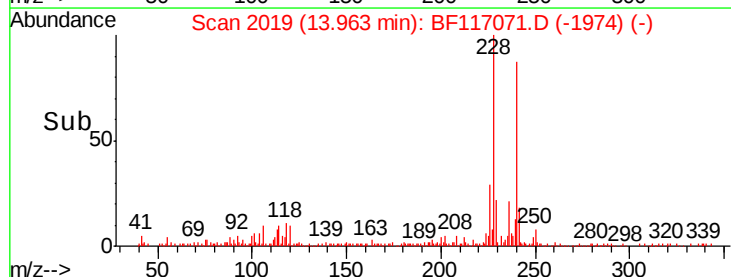
229 23.4 15.8 23.8

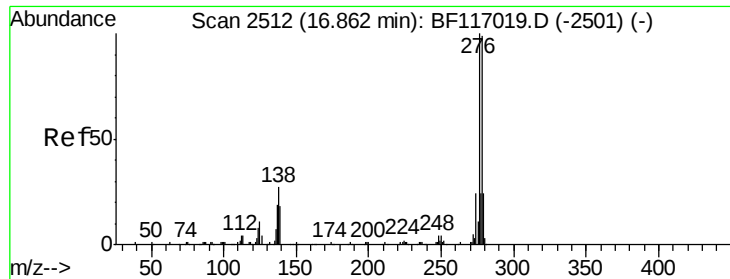


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

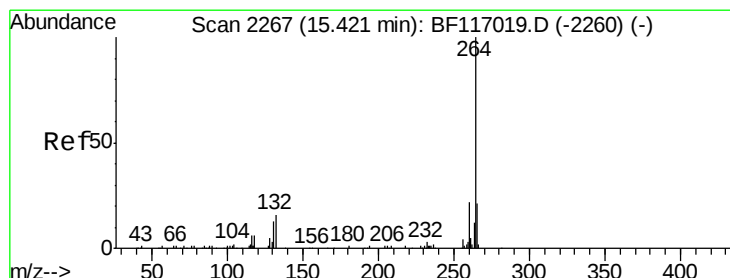
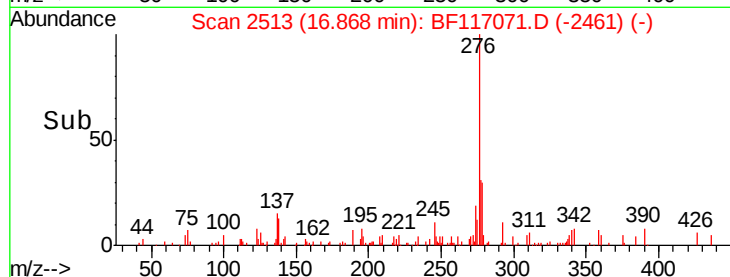
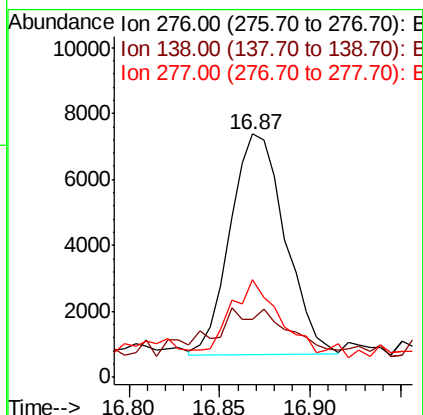
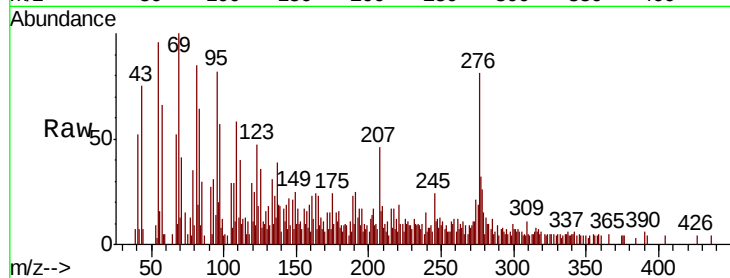




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.022 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. 0.01 min
 Lab File: BF117071.D
 Acq: 16 Sep 2019 18:52

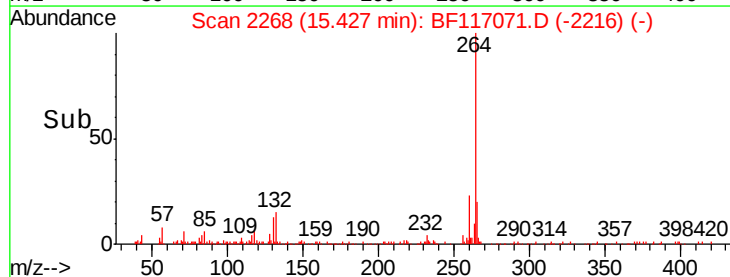
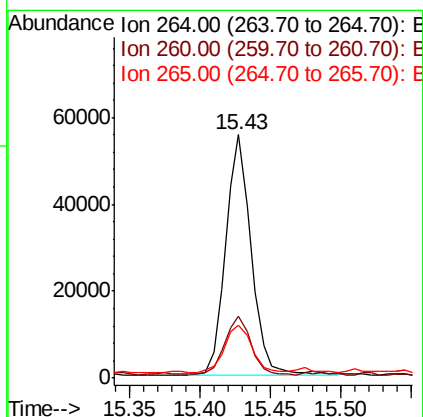
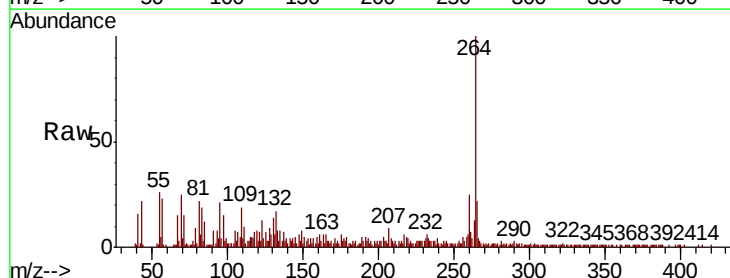
Instrument :
 BNA_F
 ClientSampleId :

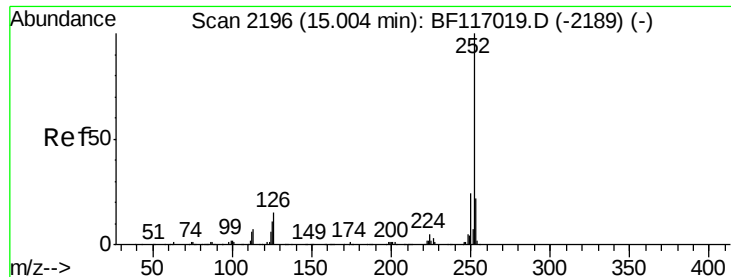
Tot Ion:276 Resp: 14132
 Ion Ratio Lower Upper
 276 100
 138 17.5 20.7 31.1#
 277 28.7 19.8 29.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117071.D
 Acq: 16 Sep 2019 18:52

Tgt Ion:264 Resp: 69908
 Ion Ratio Lower Upper
 264 100
 260 25.5 17.6 26.4
 265 21.9 16.6 24.8

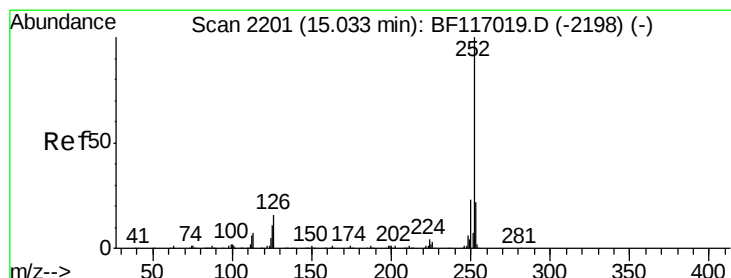
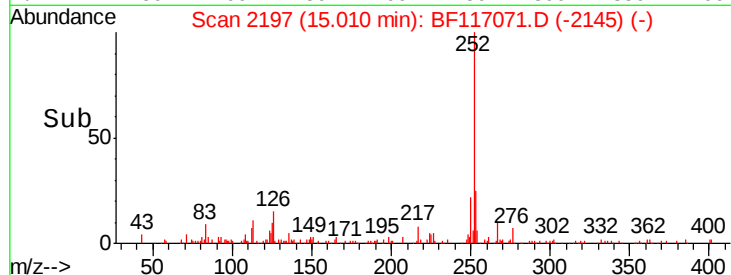
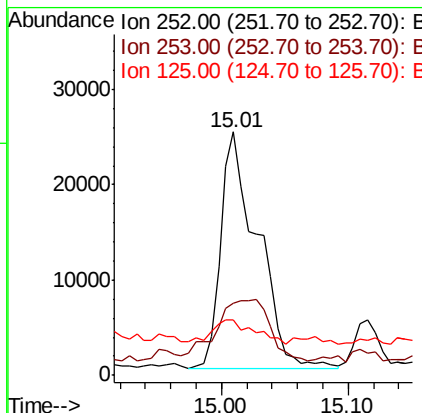
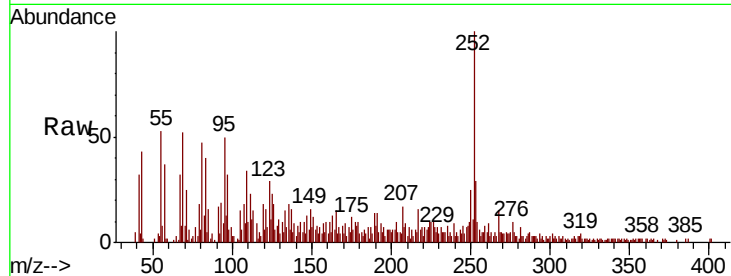




#88
Benzo(b)fluoranthene
Concen: 11.771 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

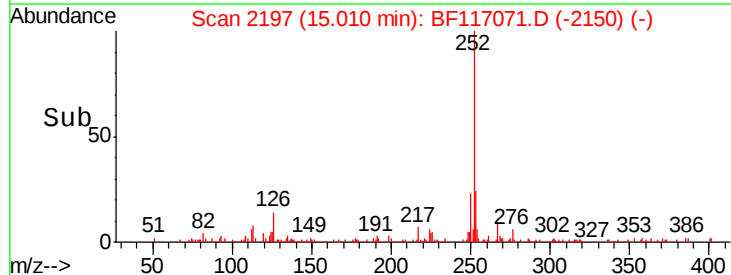
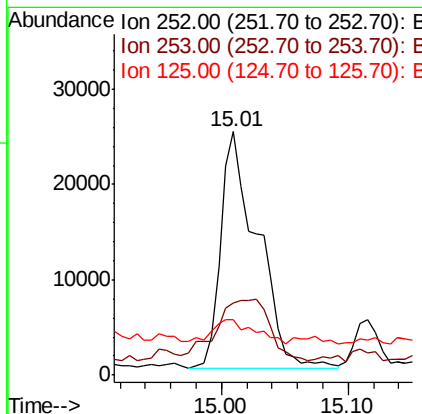
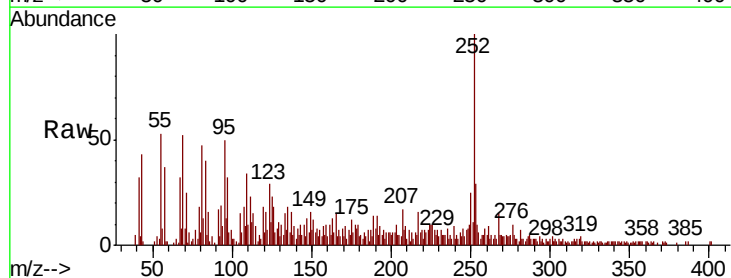
Instrument :
BNA_F
ClientSampleId :

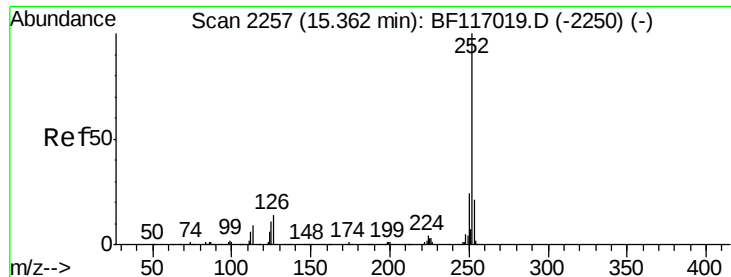
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.6	26.4#
125	22.8	8.6	12.8#



#89
Benzo(k)fluoranthene
Concen: 12.426 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.4	26.2#
125	22.8	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 6.946 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

Instrument :

BNA_F

ClientSampleId :

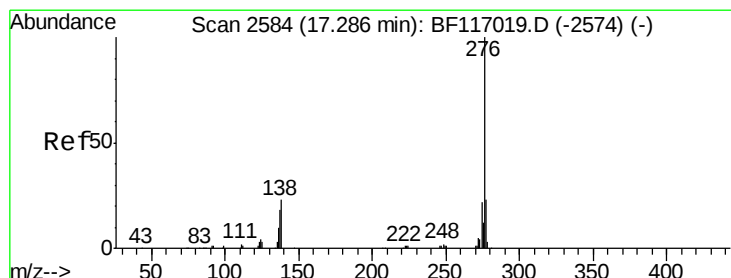
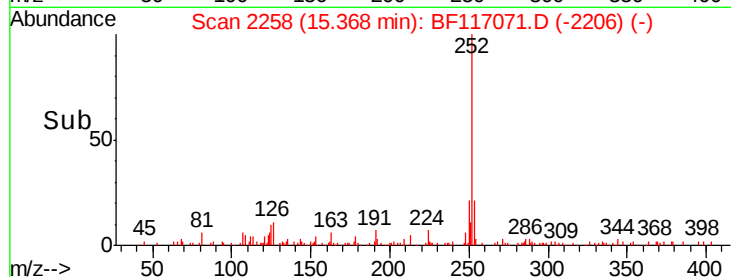
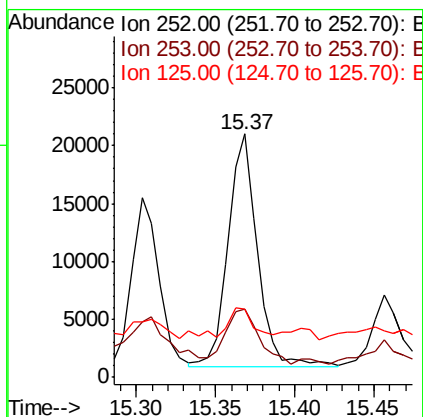
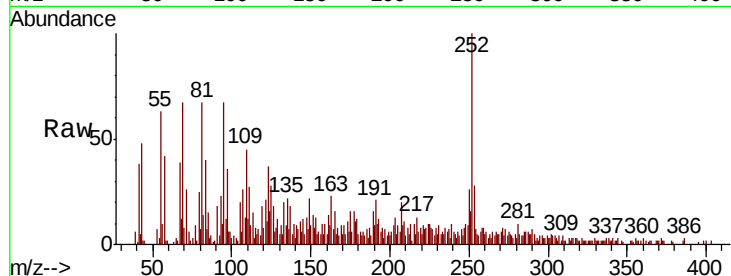
Tot Ion:252 Resp: 25811

Ion Ratio Lower Upper

252 100

253 27.8 16.6 25.0#

125 27.9 8.9 13.3#



#92

Benzo(g,h,i)perylene

Concen: 5.434 ng

RT: 17.31 min Scan# 2588

Delta R.T. 0.02 min

Lab File: BF117071.D

Acq: 16 Sep 2019 18:52

Tgt Ion:276 Resp: 16030

Ion Ratio Lower Upper

276 100

277 27.6 18.6 27.8

138 28.4 18.0 27.0#

