

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122818\
 Data File : BF111793.D
 Acq On : 28 Dec 2018 17:18
 Operator : JU/SJ
 Sample : J6193-15 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-C

Quant Time: Dec 29 01:10:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

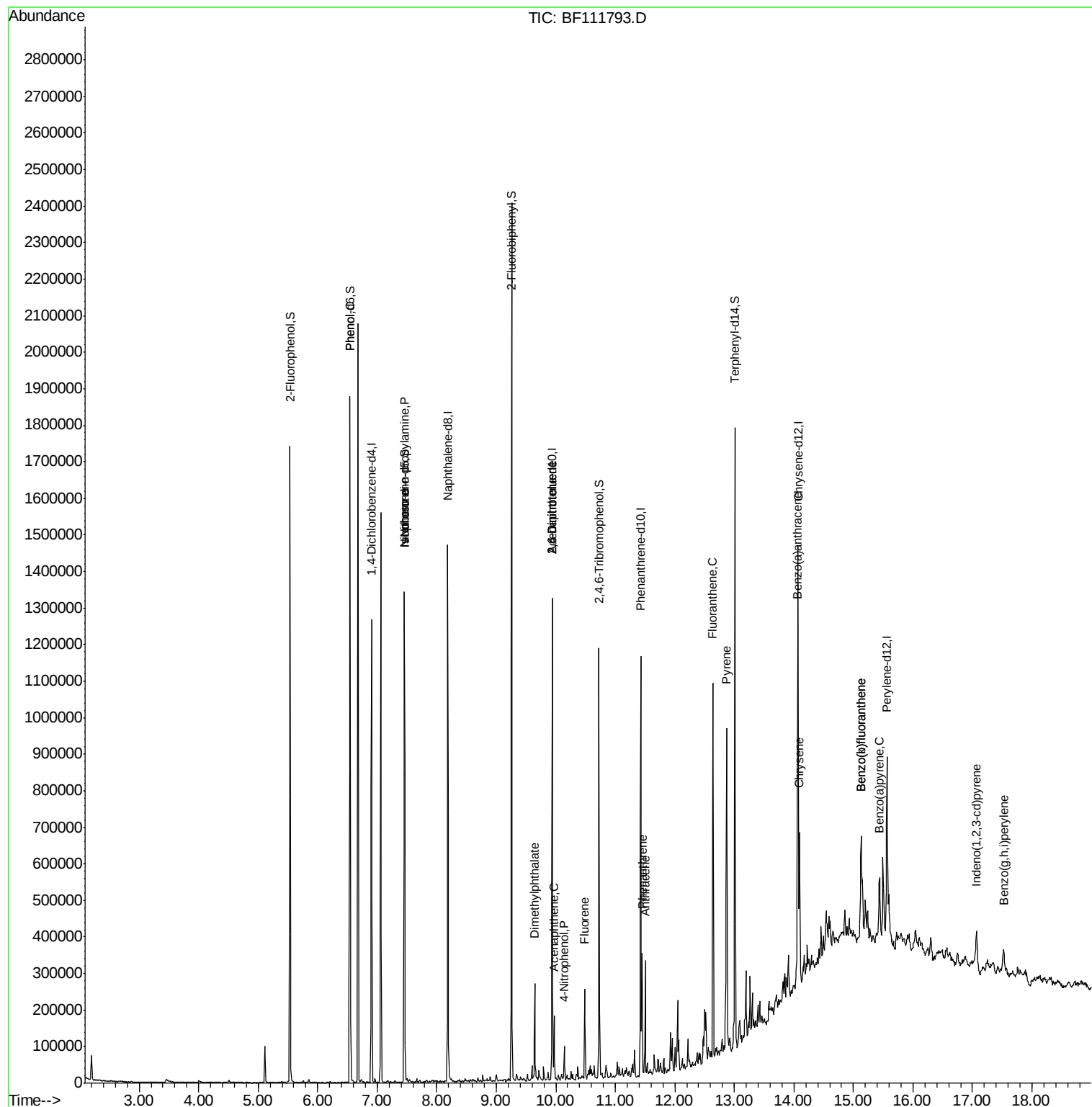
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	164337	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	580739	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	247366	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	382440	20.00	ng	0.01
76) Chrysene-d12	14.07	240	348960	20.00	ng	0.02
87) Perylene-d12	15.57	264	245761	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	475753	49.35	ng	0.02
7) Phenol-d6	6.55	99	606655	49.44	ng	0.02
23) Nitrobenzene-d5	7.46	82	368760	36.96	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	128448	43.95	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	654245	38.55	ng	0.00
79) Terphenyl-d14	13.01	244	540240	29.36	ng	0.01
Target Compounds						
10) Phenol	6.55	94	41512	2.999	ng	Qvalue 89
19) n-Nitroso-di-n-propylamine	7.46	70	49125	6.029	ng	# 79
25) Isophorone	7.46	82	368756	20.820	ng	# 64
50) Dimethylphthalate	9.65	163	94911	5.247	ng	98
51) 2,6-Dinitrotoluene	9.94	165	31880	8.838	ng	# 30
52) Acenaphthene	9.97	154	36141	2.426	ng	94
56) 4-Nitrophenol	10.15	139	10315	3.514	ng	# 9
57) 2,4-Dinitrotoluene	9.94	165	31880	7.354	ng	# 25
58) Fluorene	10.49	166	61454	3.789	ng	98
71) Phenanthrene	11.45	178	109770	5.412	ng	92
72) Anthracene	11.50	178	119629	5.876	ng	95
75) Fluoranthene	12.64	202	396998	19.329	ng	96
78) Pyrene	12.87	202	354901	14.402	ng	95
81) Benzo(a)anthracene	14.06	228	177518	8.914	ng	99
83) Chrysene	14.09	228	158634	8.105	ng	97
86) Indeno(1,2,3-cd)pyrene	17.07	276	57202	3.438	ng	# 85
88) Benzo(b)fluoranthene	15.13	252	209770	14.605	ng	98
89) Benzo(k)fluoranthene	15.13	252	209770	15.341	ng	99
90) Benzo(a)pyrene	15.44	252	70993	5.440	ng	96
92) Benzo(g,h,i)perylene	17.52	276	55010	4.930	ng	# 89

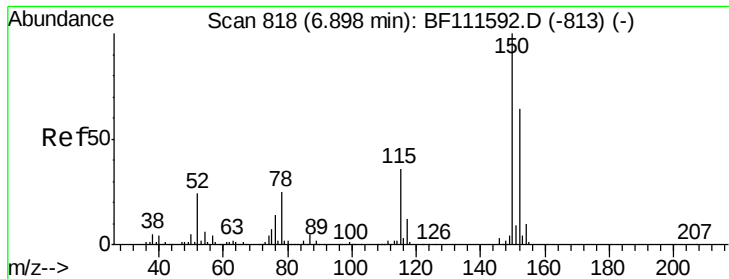
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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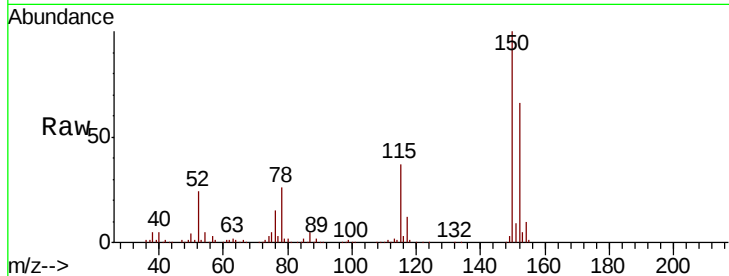


#1

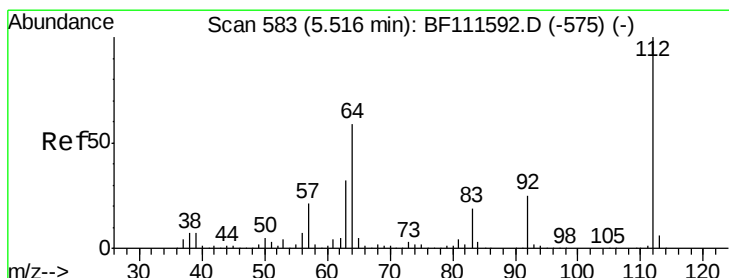
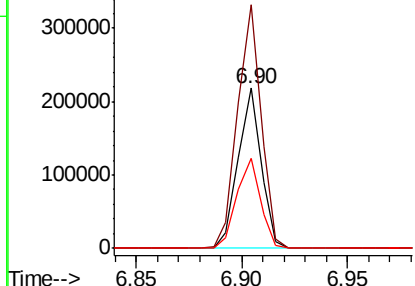
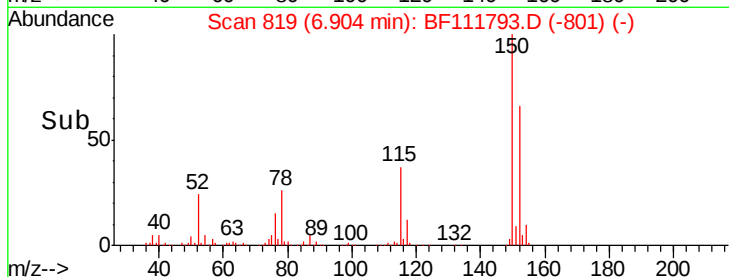
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tgt Ion:152 Resp: 164337
Ion Ratio Lower Upper
152 100
150 152.2 126.6 189.8
115 56.6 50.7 76.1



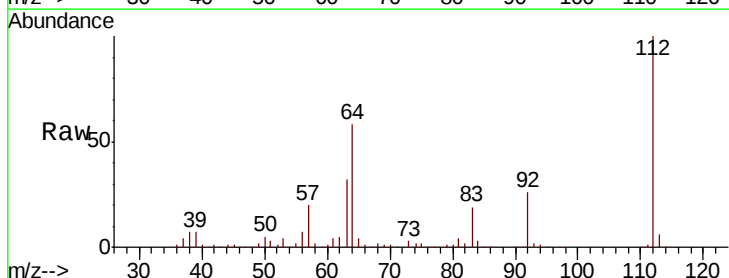
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



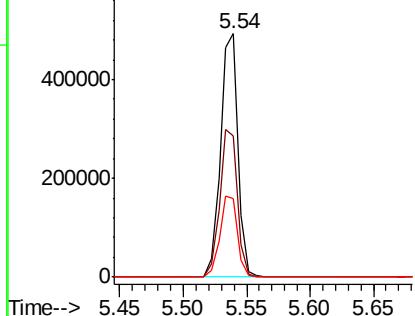
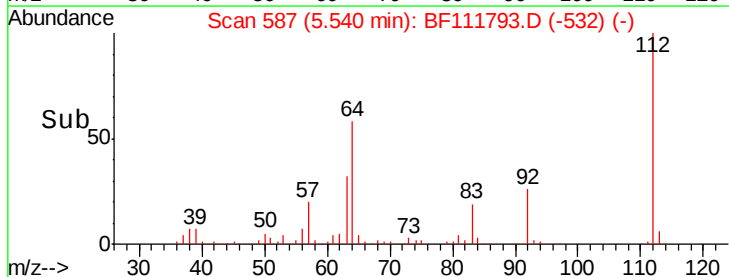
#5

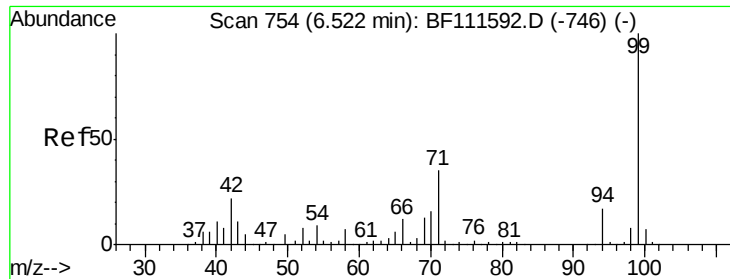
2-Fluorophenol
Concen: 49.346 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion:112 Resp: 475753
Ion Ratio Lower Upper
112 100
64 58.0 51.8 77.6
63 32.1 26.8 40.2



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: 49.443 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-C

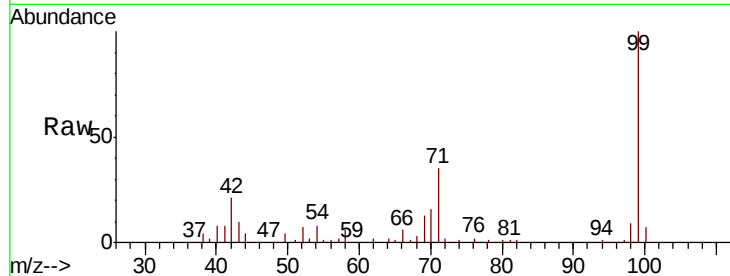
Tgt Ion: 99 Resp: 606655

Ion Ratio Lower Upper

99 100

42 20.9 17.4 26.0

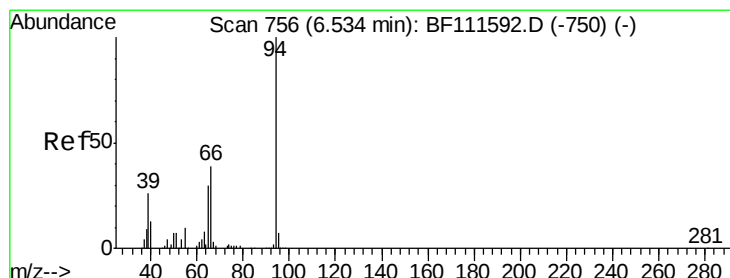
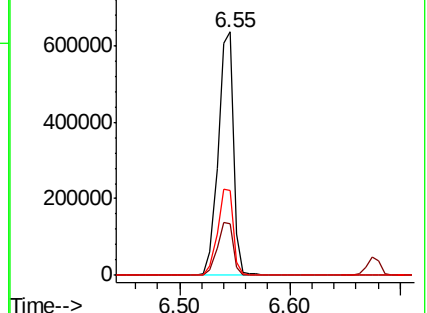
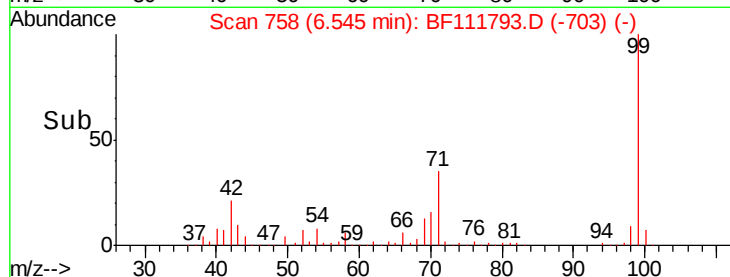
71 35.0 26.1 39.1



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: 2.999 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

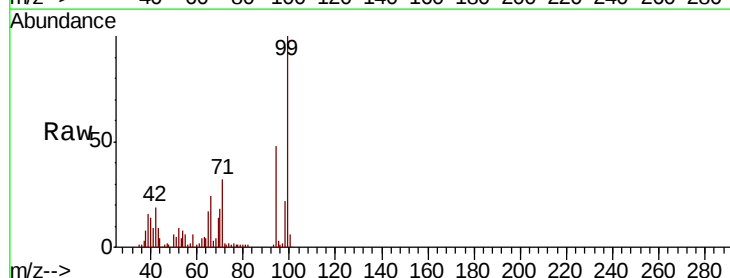
Tgt Ion: 94 Resp: 41512

Ion Ratio Lower Upper

94 100

65 34.6 11.7 51.7

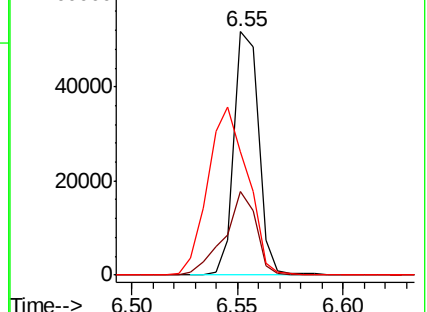
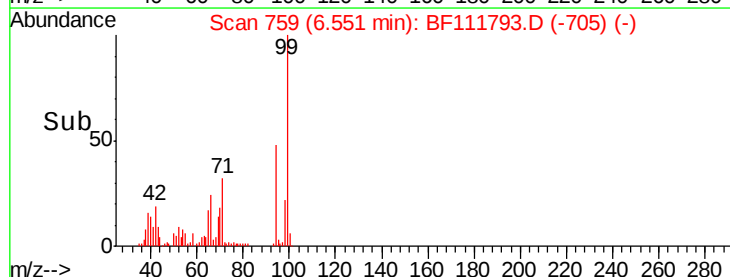
66 50.6 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

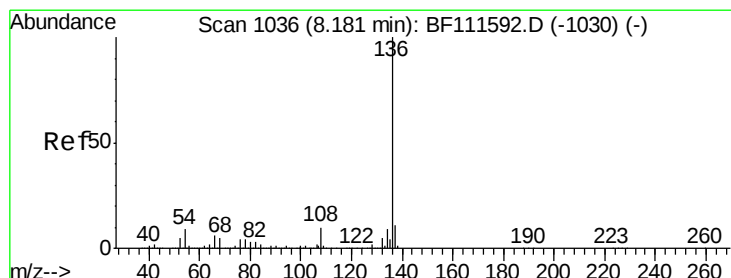
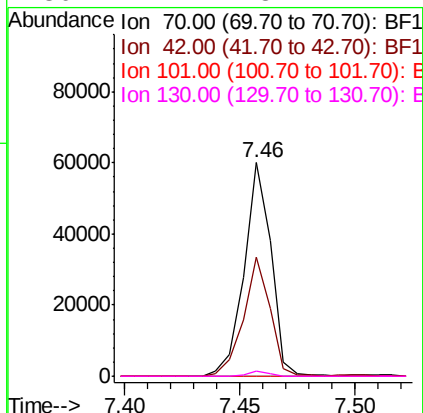
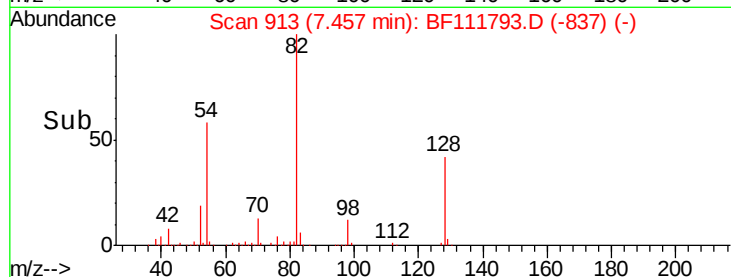
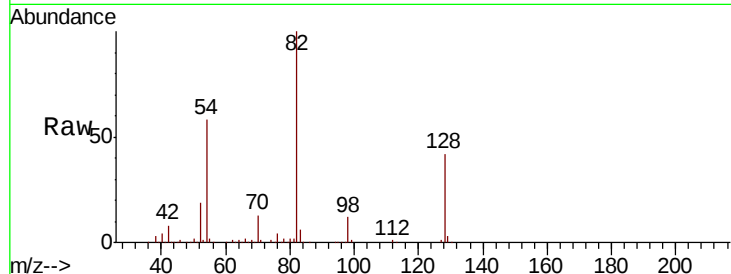




#19
n-Nitroso-di-n-propylamine
Concen: 6.029 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

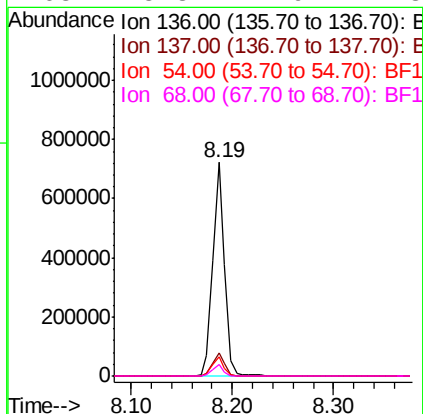
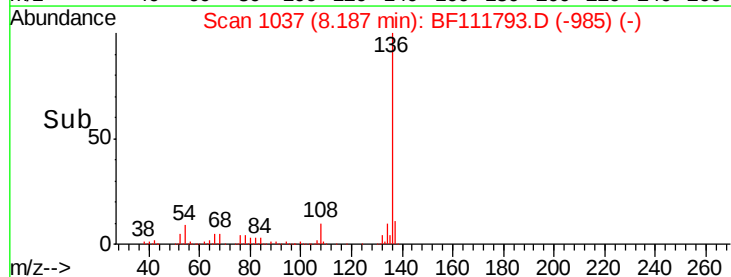
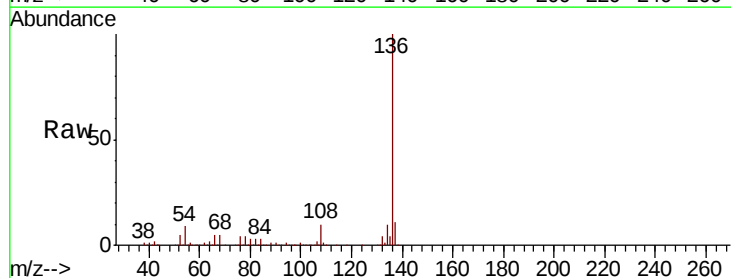
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tgt Ion: 70 Resp: 49125
Ion Ratio Lower Upper
70 100
42 55.9 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion: 136 Resp: 580739
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 8.8 7.7 11.5
68 5.3 4.9 7.3

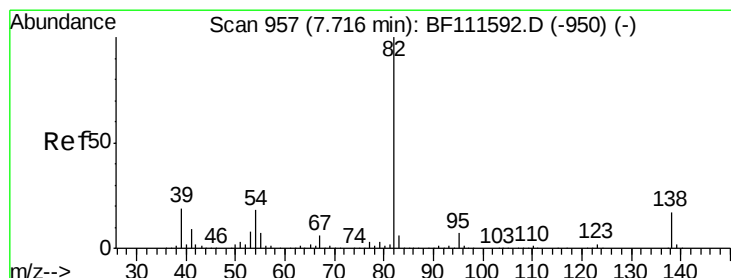
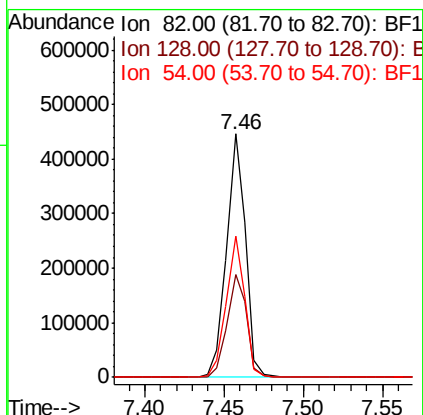
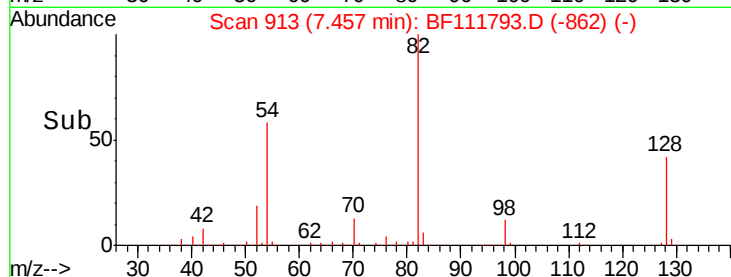
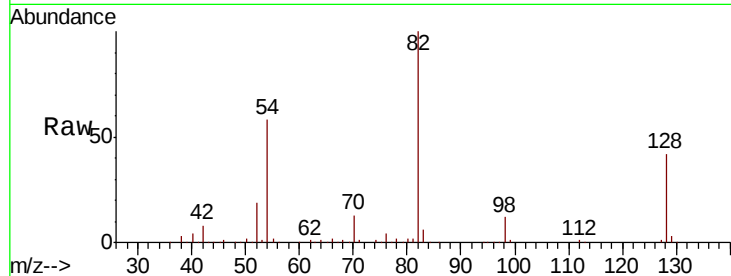




#23
 Nitrobenzene-d5
 Concen: 36.961 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

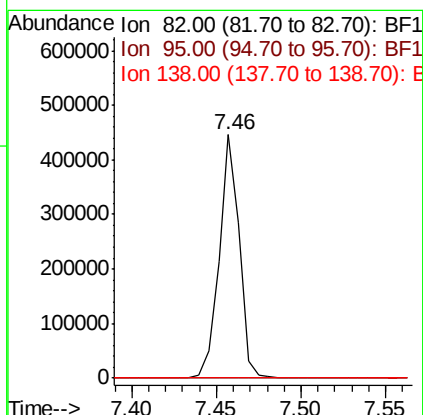
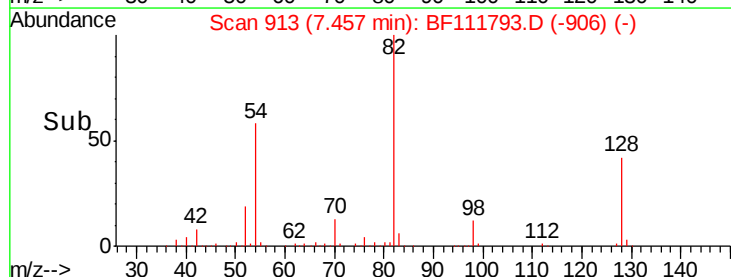
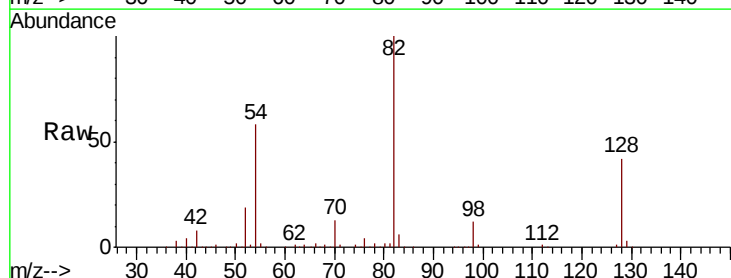
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-C

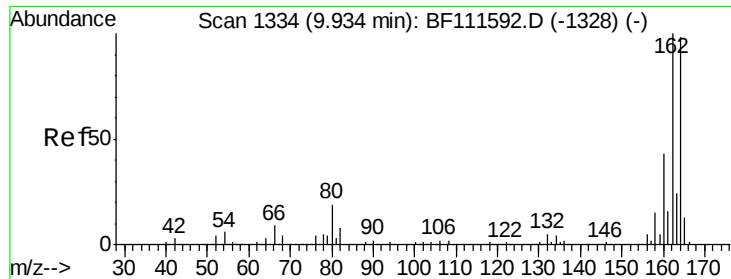
Tgt Ion: 82 Resp: 368760
 Ion Ratio Lower Upper
 82 100
 128 42.5 37.4 56.2
 54 57.8 47.6 71.4



#25
 Isophorone
 Concen: 20.820 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.26 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

Tgt Ion: 82 Resp: 368756
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-C

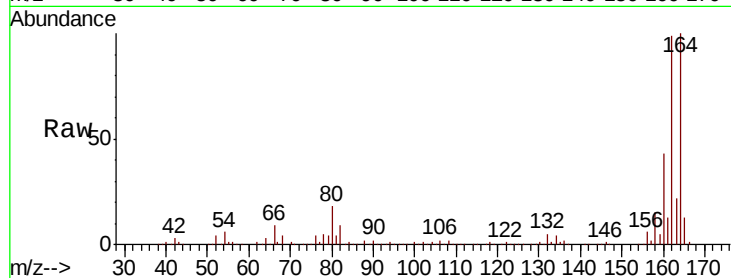
Tgt Ion:164 Resp: 247366

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.0

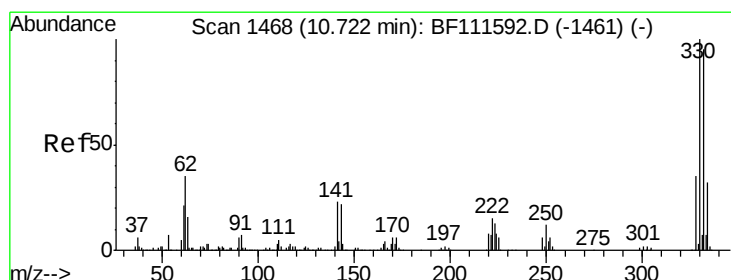
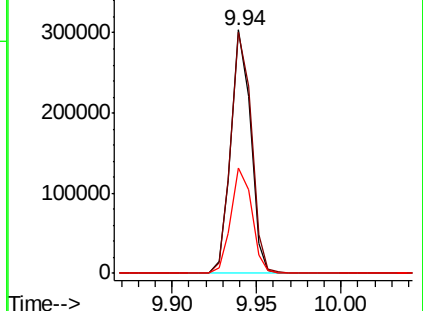
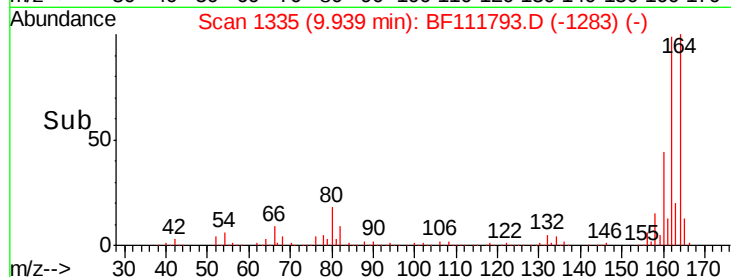
160 43.4 35.7 53.5



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: 43.947 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

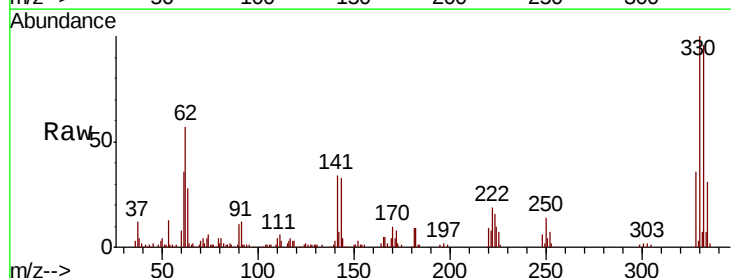
Tgt Ion:330 Resp: 128448

Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

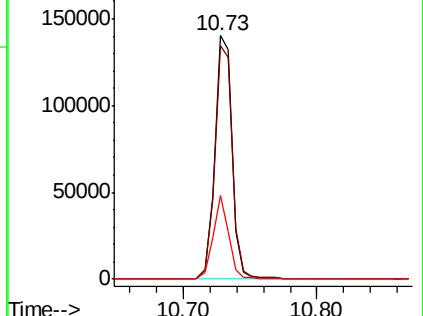
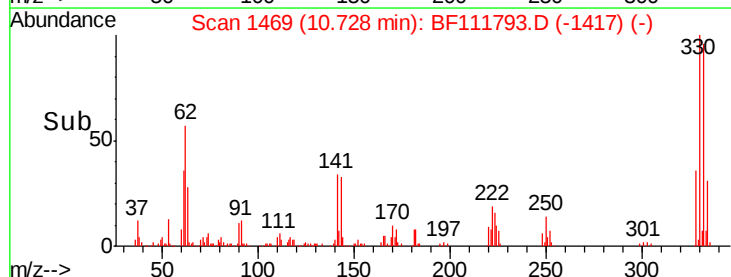
141 31.1 31.0 46.6

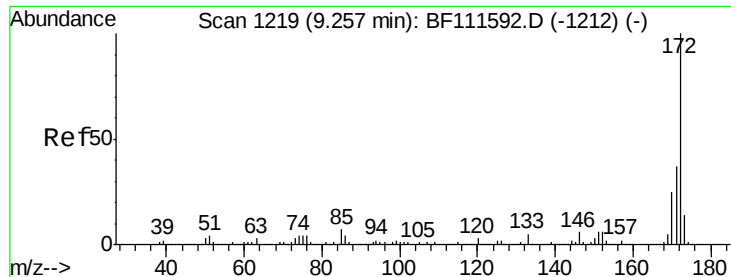


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

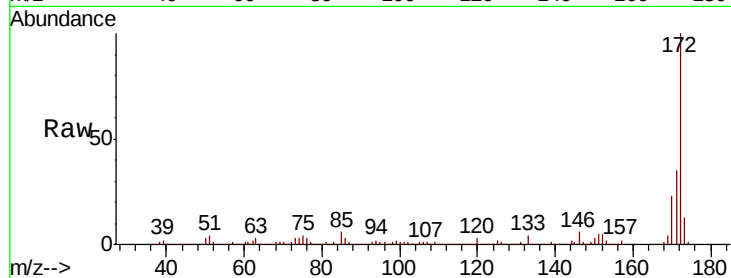




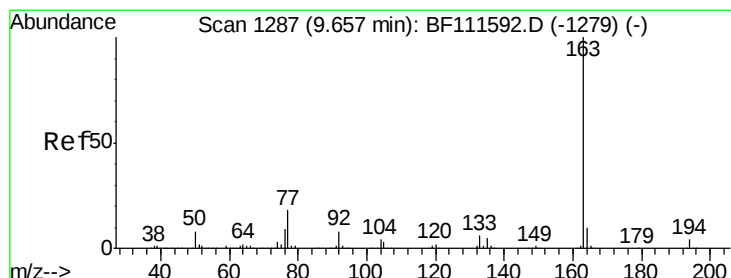
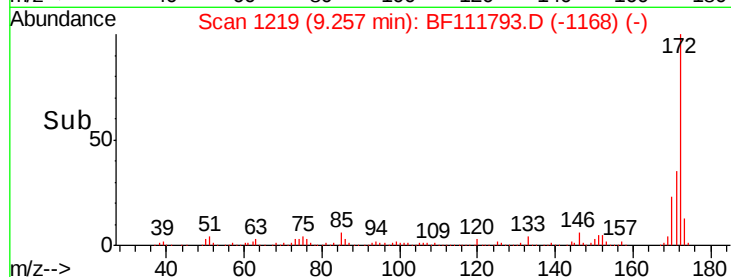
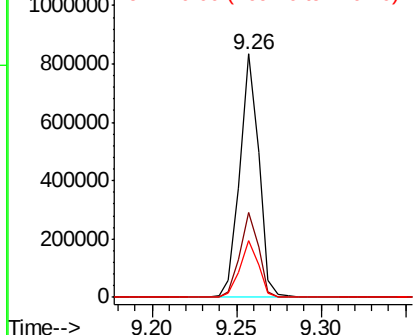
#45
2-Fluorobiphenyl
Concen: 38.551 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	33.0	49.4
170	23.3	22.3	33.5

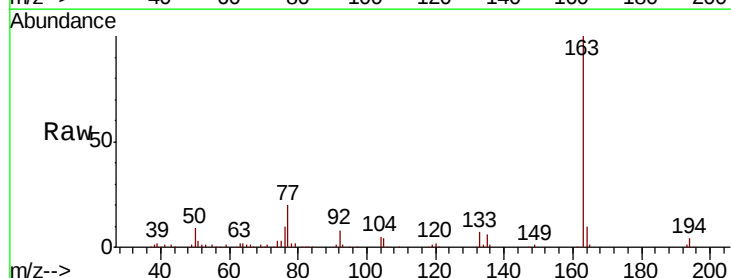


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

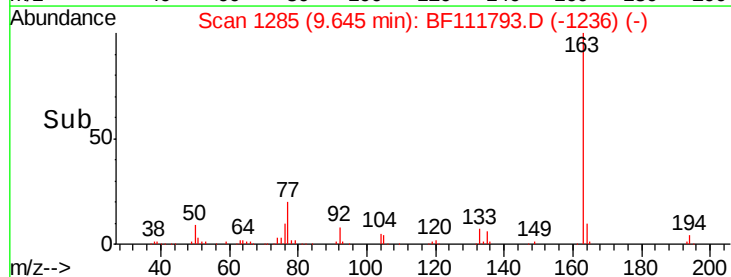
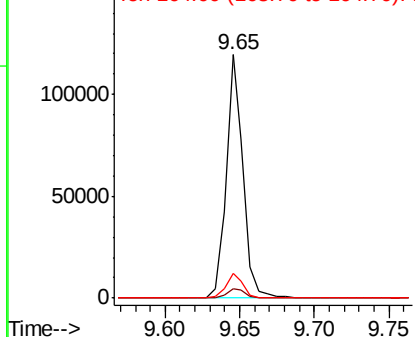


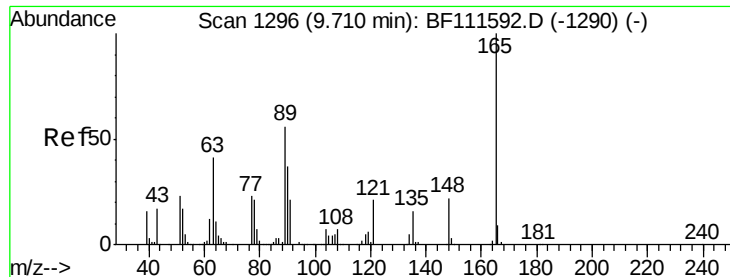
#50
Dimethylphthalate
Concen: 5.247 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.3	8.9	13.3



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

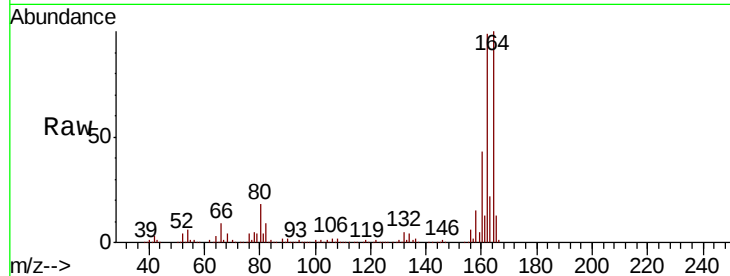




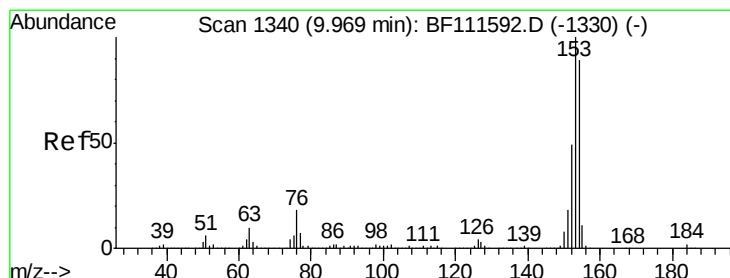
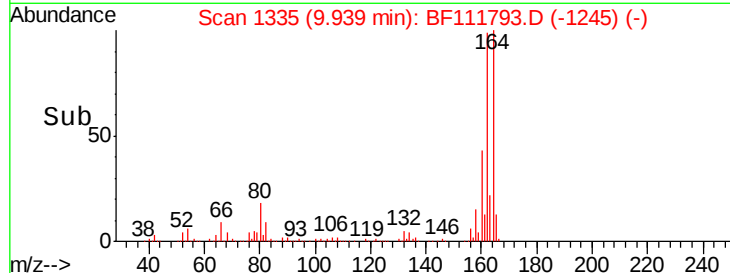
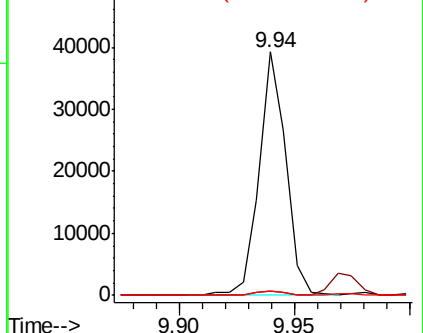
#51
2,6-Dinitrotoluene
Concen: 8.838 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.23 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tgt Ion:165 Resp: 31880
Ion Ratio Lower Upper
165 100
63 1.8 40.5 60.7#
89 1.8 40.0 60.0#

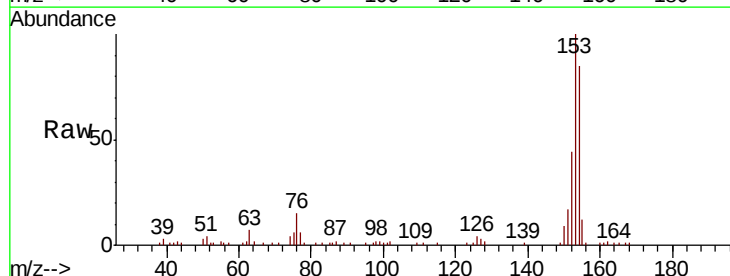


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

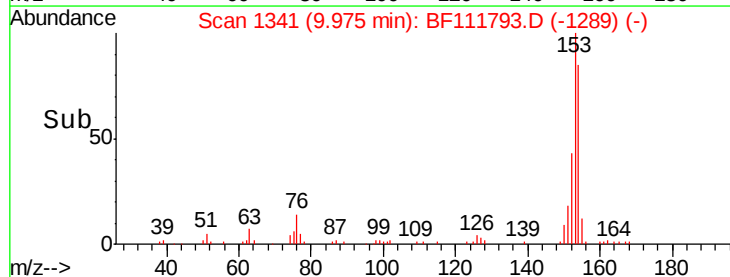
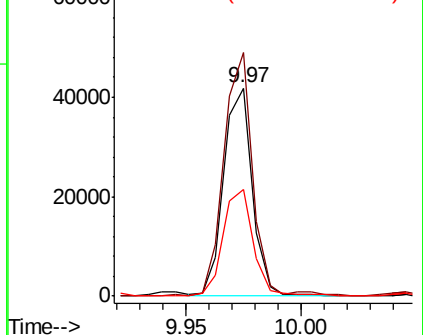


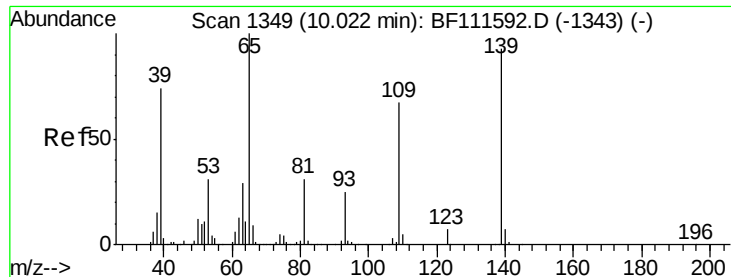
#52
Acenaphthene
Concen: 2.426 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion:154 Resp: 36141
Ion Ratio Lower Upper
154 100
153 117.2 87.8 131.8
152 51.2 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

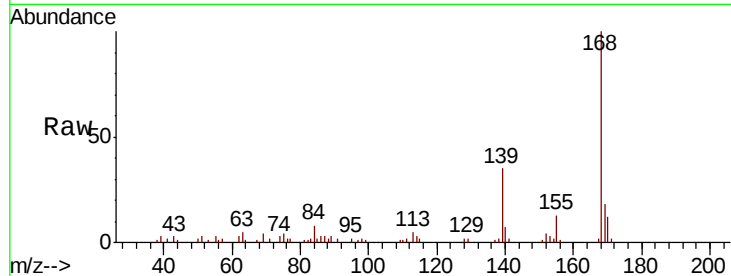




#56
4-Nitrophenol
Concen: 3.514 ng
RT: 10.15 min Scan# 1370
Delta R.T. 0.12 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tgt Ion	Ratio	Lower	Upper
139	100		
109	3.8	41.8	81.8#
65	0.0	79.6	119.6#

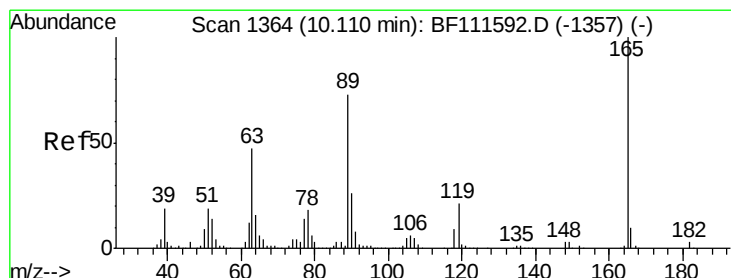
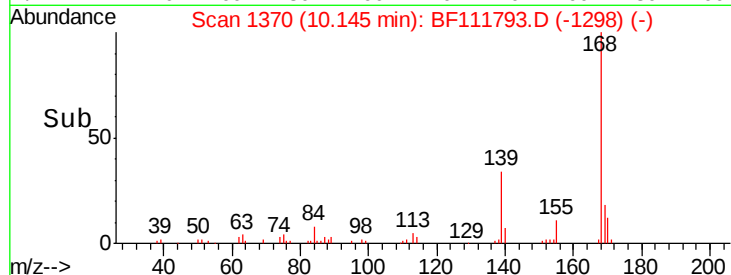
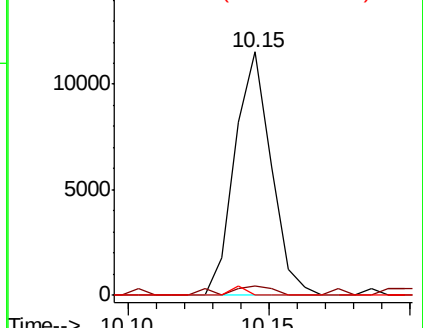


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 7.354 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.17 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.6	52.0#
89	1.8	56.2	84.4#
182	0.0	1.8	2.6#

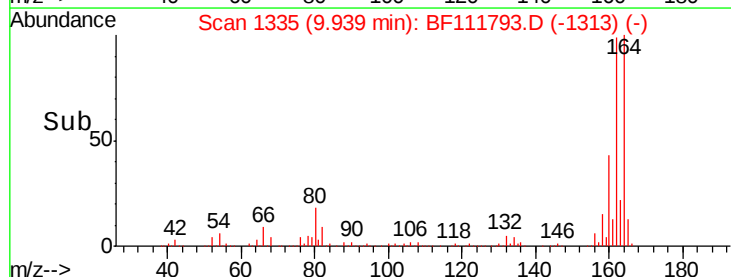
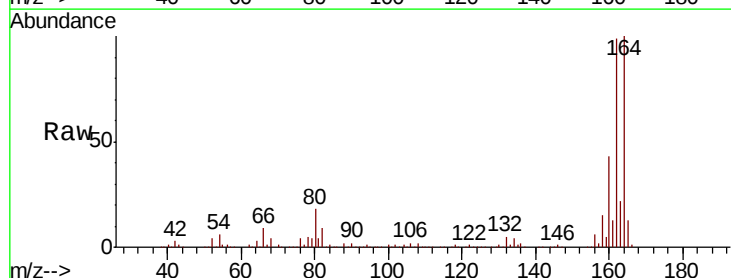
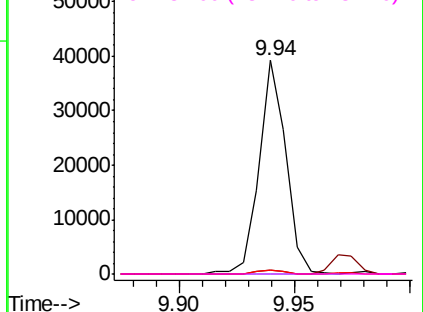
Abundance

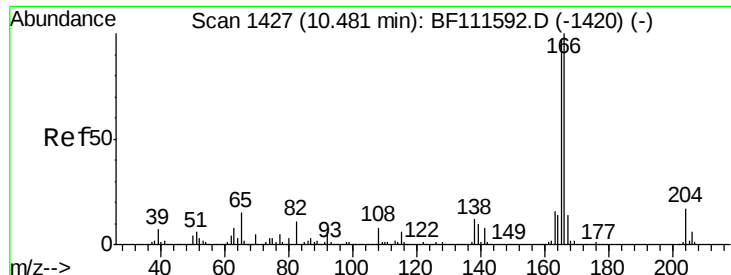
Ion 165.00 (164.70 to 165.70): E

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

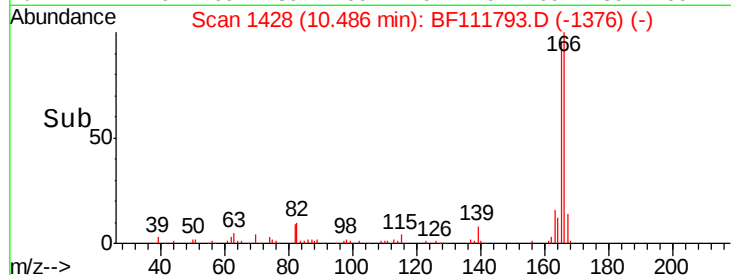
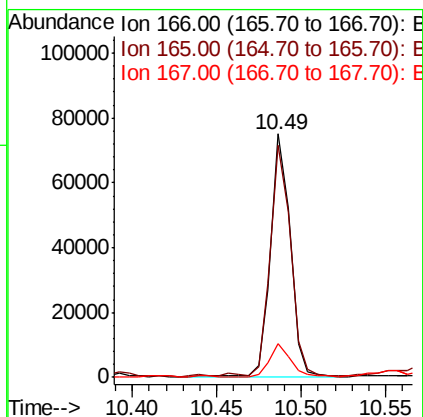
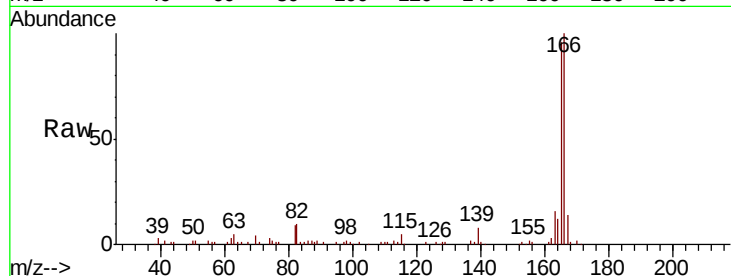




#58
 Fluorene
 Concen: 3.789 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

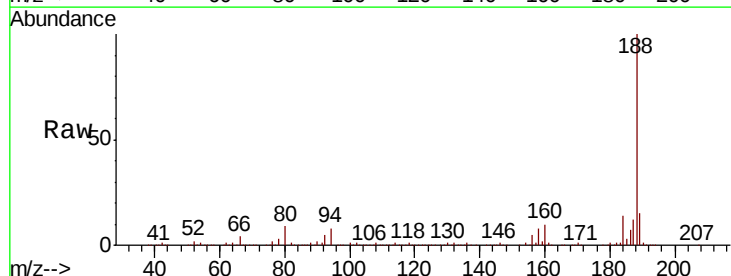
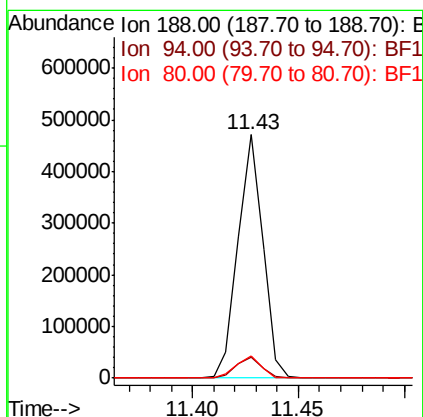
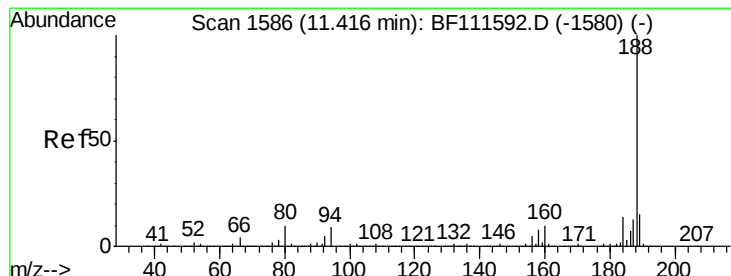
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-C

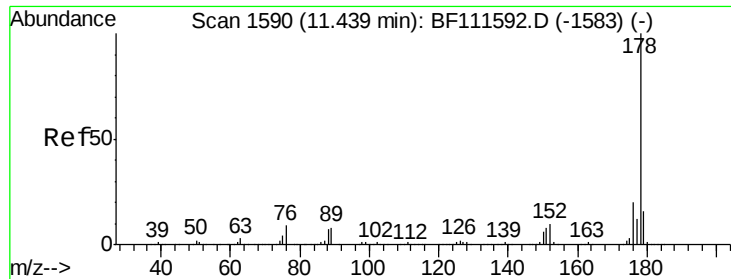
Tgt Ion:166 Resp: 61454
 Ion Ratio Lower Upper
 166 100
 165 95.5 78.4 117.6
 167 13.8 11.2 16.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

Tgt Ion:188 Resp: 382440
 Ion Ratio Lower Upper
 188 100
 94 8.5 9.6 14.4#
 80 9.4 9.8 14.6#

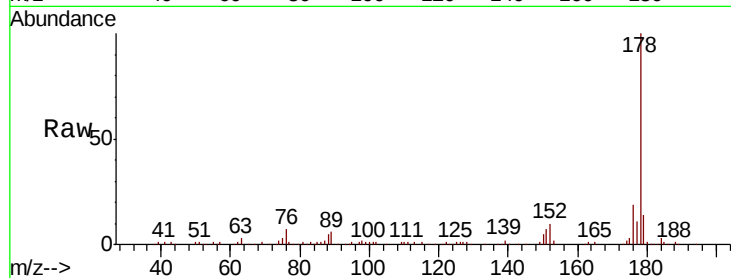




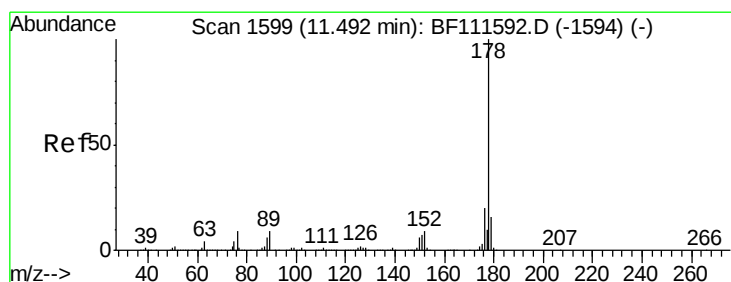
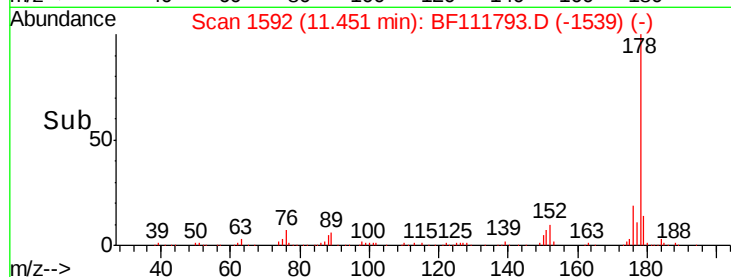
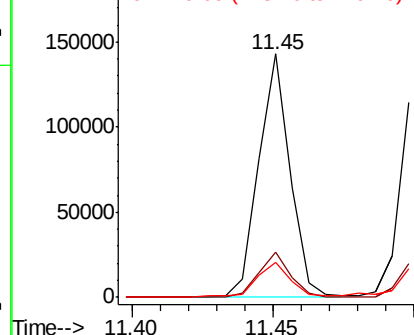
#71
Phenanthrene
Concen: 5.412 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tgt Ion:178 Resp: 109770
Ion Ratio Lower Upper
178 100
176 18.6 18.1 27.1
179 14.3 14.0 21.0

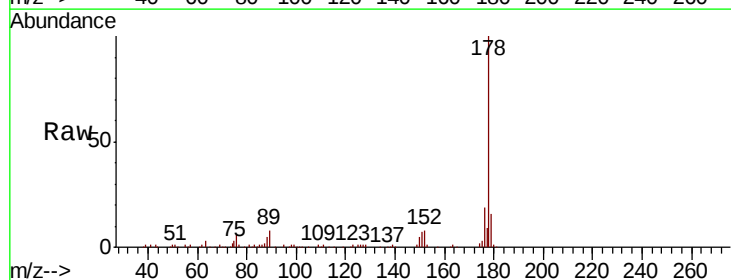


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

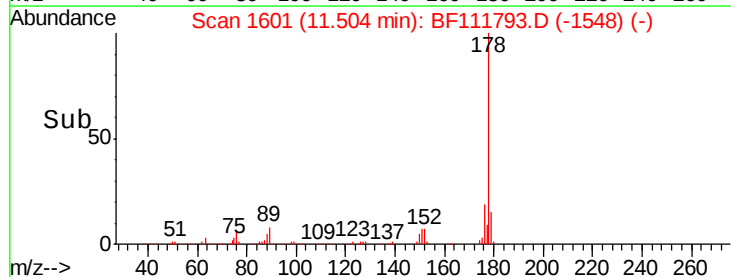
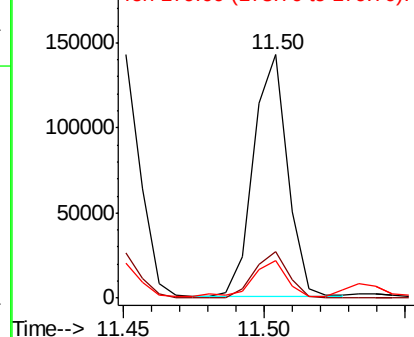


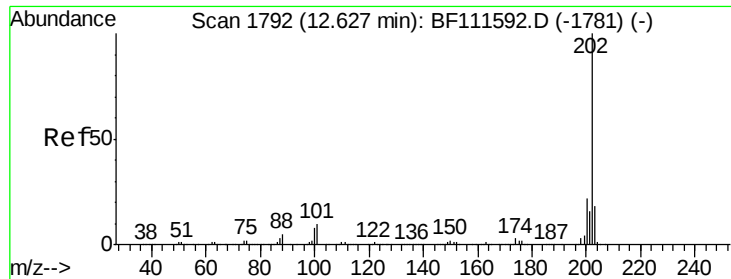
#72
Anthracene
Concen: 5.876 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion:178 Resp: 119629
Ion Ratio Lower Upper
178 100
176 19.0 17.2 25.8
179 15.6 13.8 20.8



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: 19.329 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-C

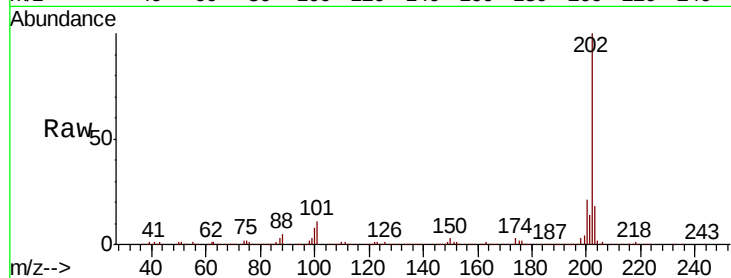
Tgt Ion:202 Resp: 396998

Ion Ratio Lower Upper

202 100

101 10.9 0.0 33.8

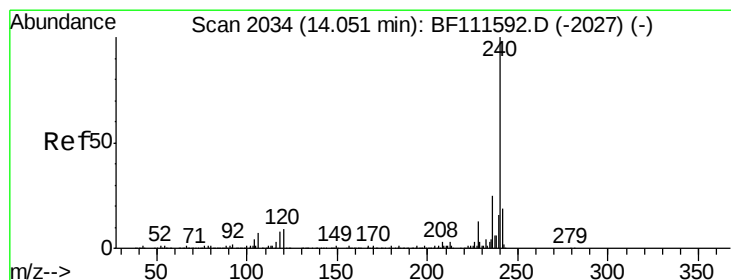
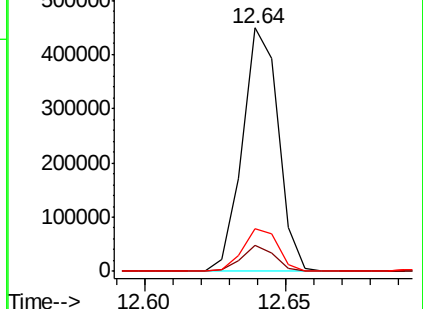
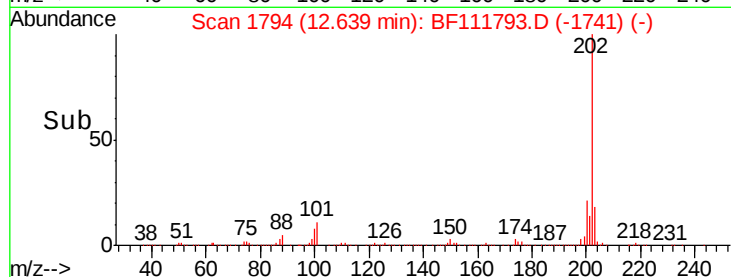
203 17.7 0.0 38.6



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: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

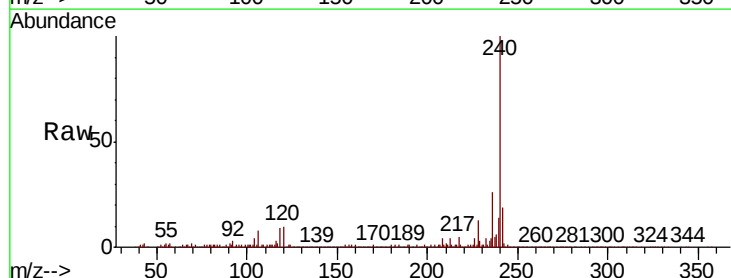
Tgt Ion:240 Resp: 348960

Ion Ratio Lower Upper

240 100

120 10.2 12.2 18.2#

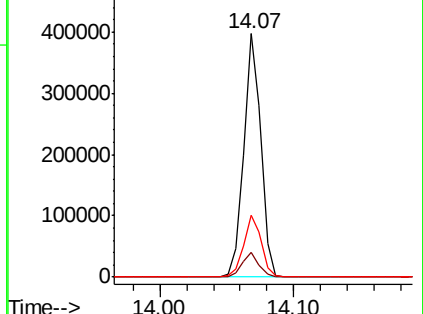
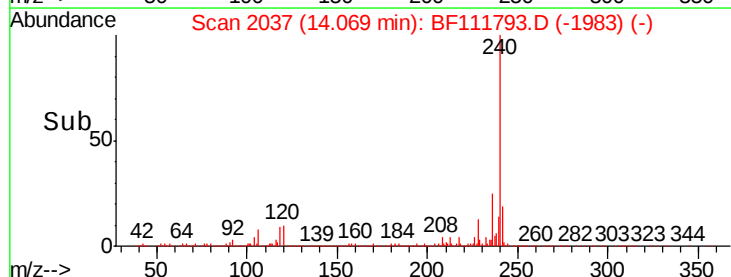
236 25.6 20.2 30.2

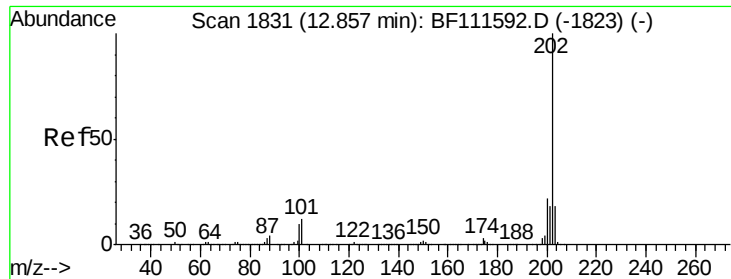


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 14.402 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-C

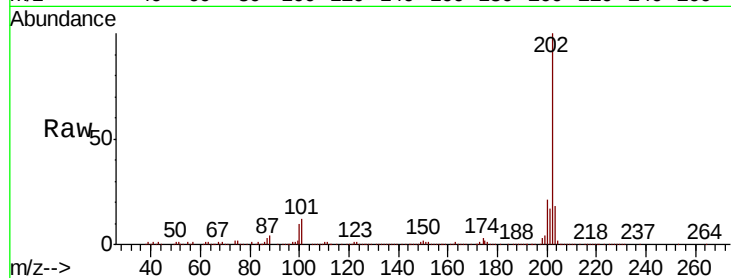
Tgt Ion:202 Resp: 354901

Ion Ratio Lower Upper

202 100

200 20.5 19.0 28.4

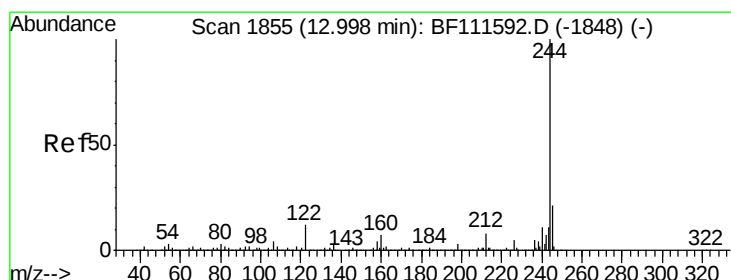
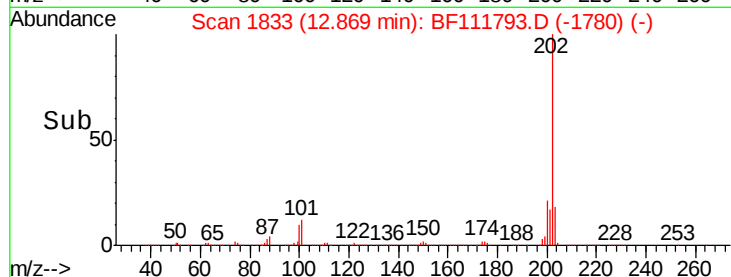
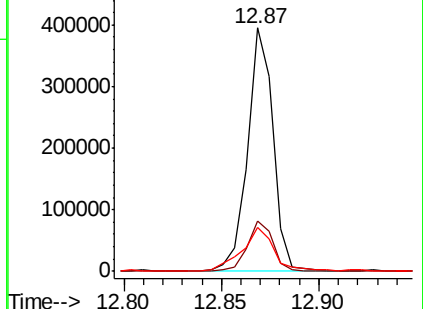
203 17.8 15.2 22.8



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: 29.359 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

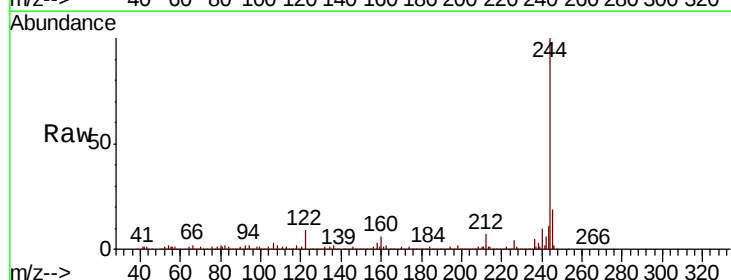
Tgt Ion:244 Resp: 540240

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

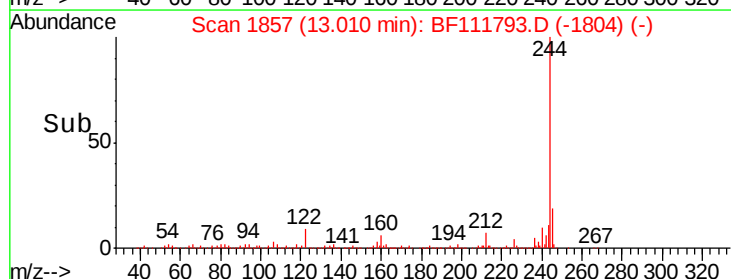
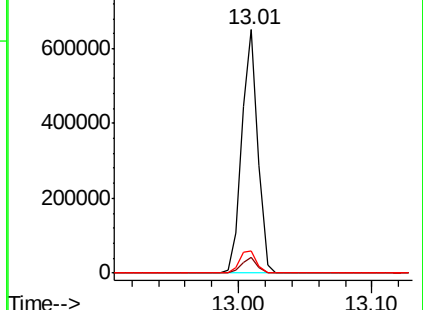
122 9.3 13.1 19.7#

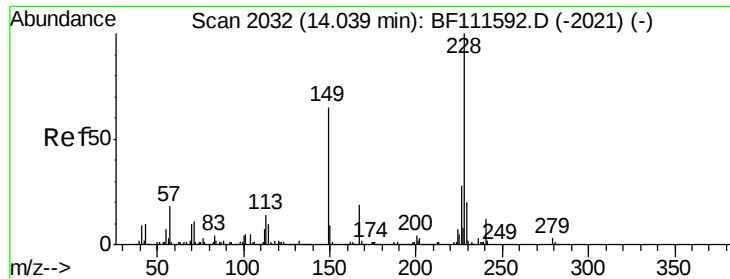


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

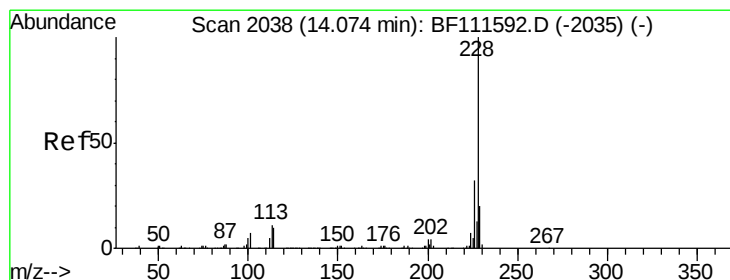
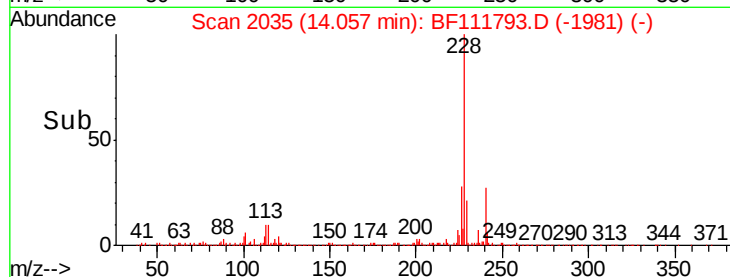
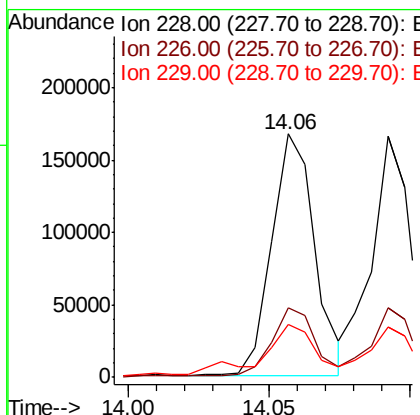
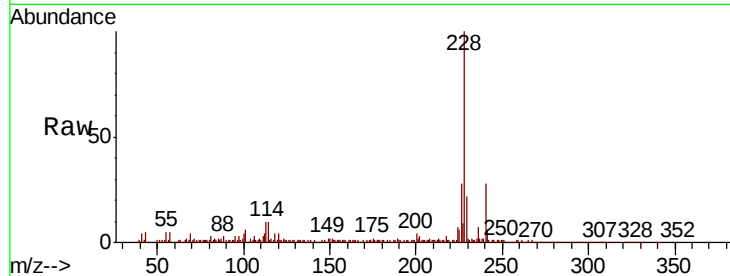




#81
Benzo(a)anthracene
Concen: 8.914 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

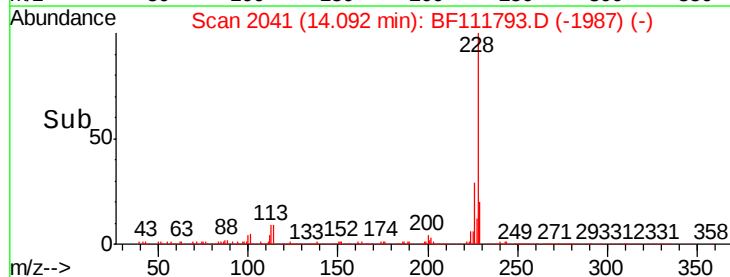
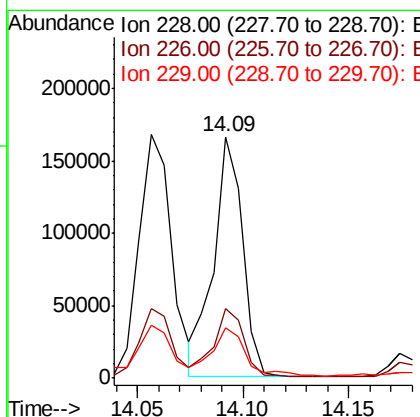
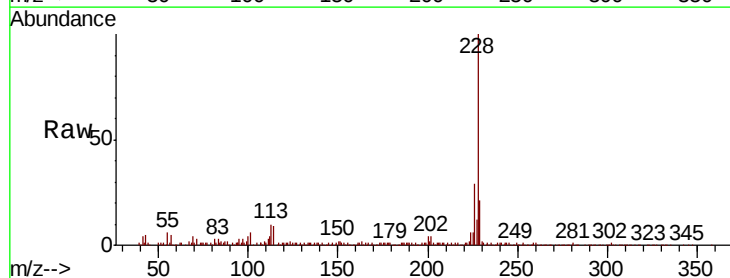
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

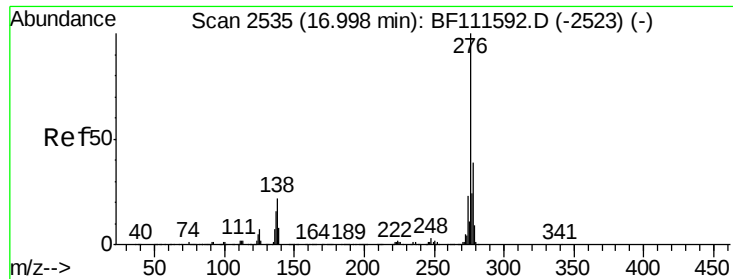
Tgt Ion: 228 Resp: 177518
Ion Ratio Lower Upper
228 100
226 28.3 22.6 34.0
229 21.7 16.3 24.5



#83
Chrysene
Concen: 8.105 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion: 228 Resp: 158634
Ion Ratio Lower Upper
228 100
226 29.0 25.3 37.9
229 21.0 17.2 25.8

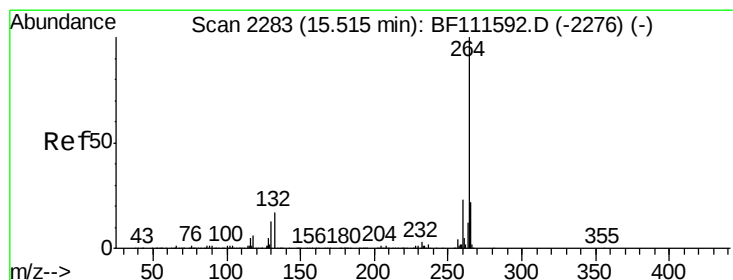
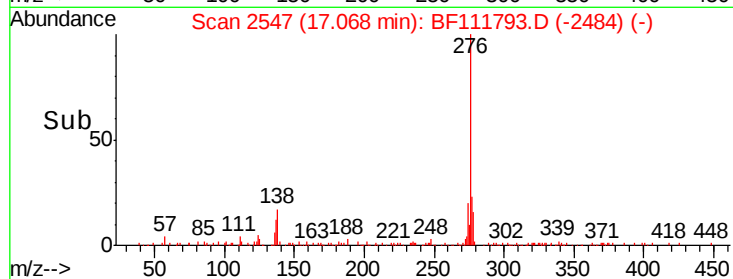
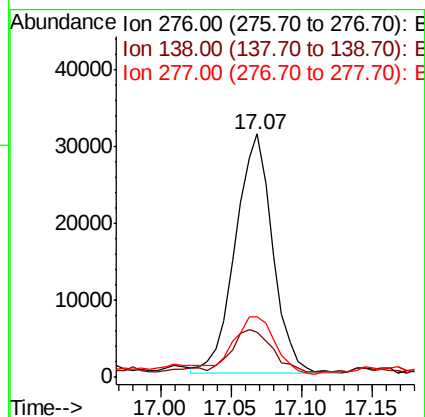
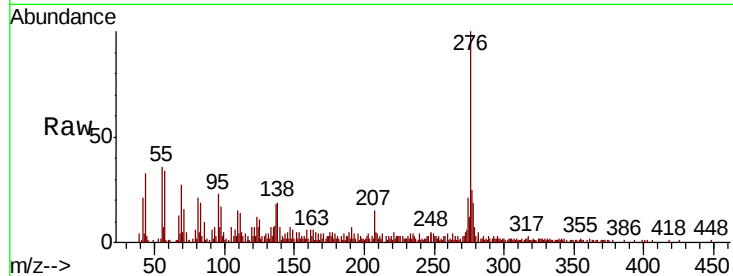




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.438 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. 0.07 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

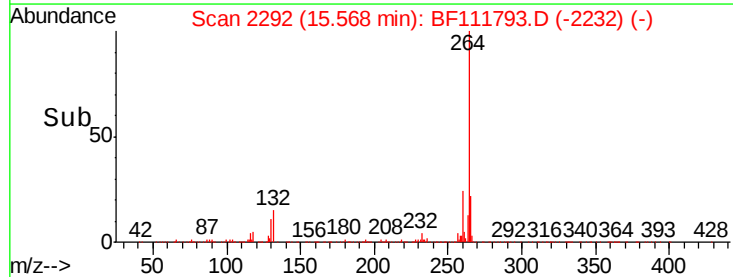
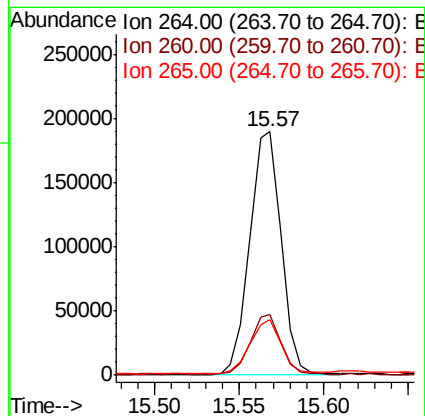
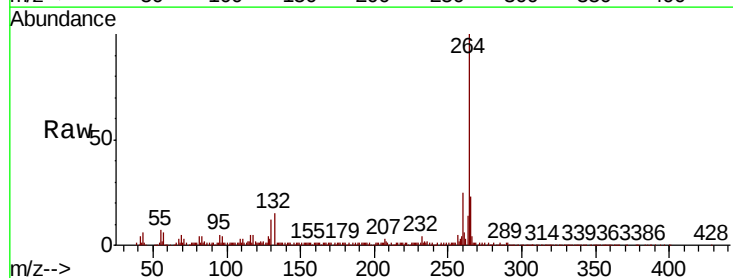
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-C

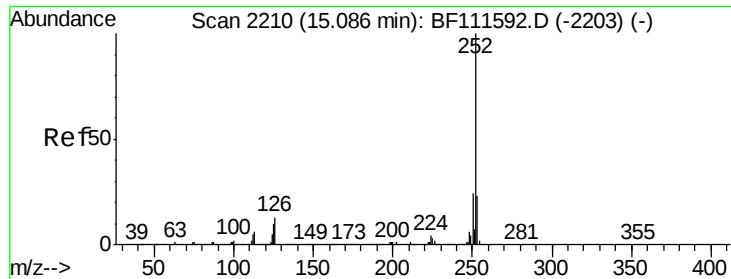
Tgt Ion: 276 Resp: 57202
 Ion Ratio Lower Upper
 276 100
 138 22.2 27.8 41.6#
 277 27.4 20.1 30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. 0.05 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

Tgt Ion: 264 Resp: 245761
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.3 27.5
 265 22.7 17.7 26.5

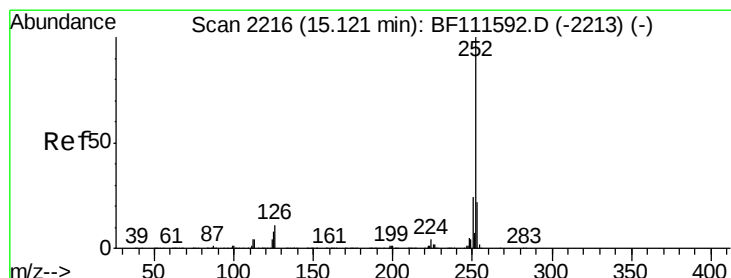
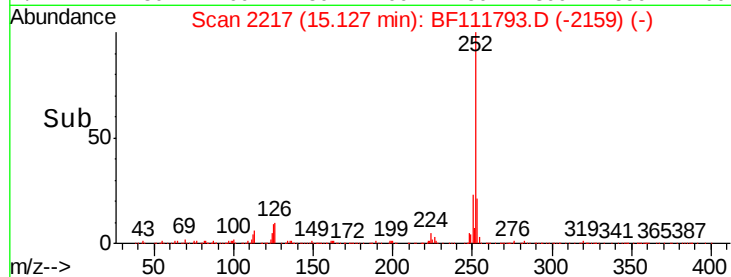
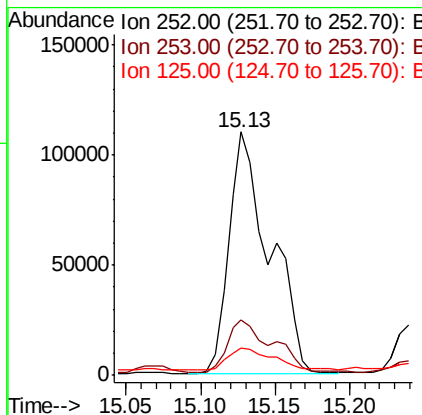
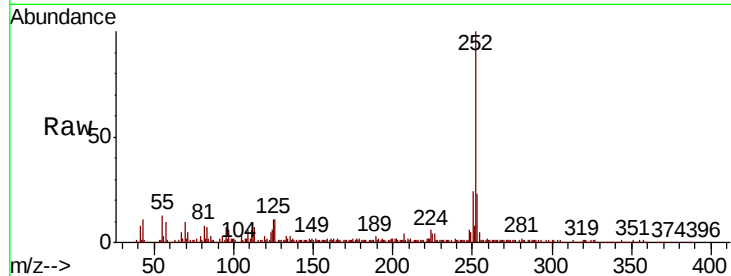




#88
Benzo(b)fluoranthene
Concen: 14.605 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.04 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

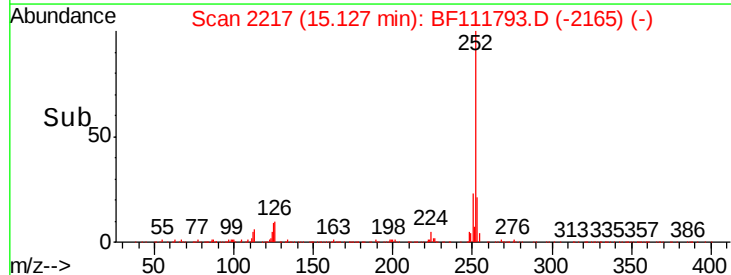
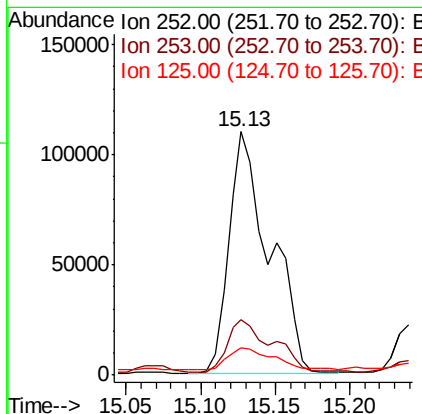
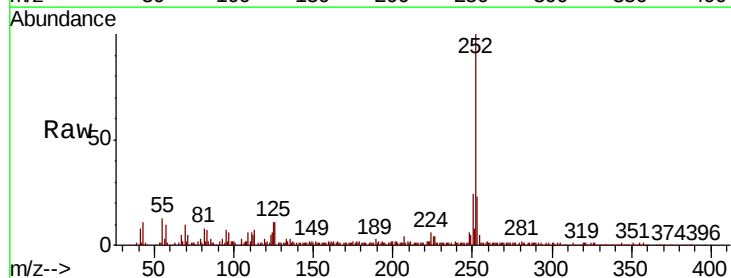
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

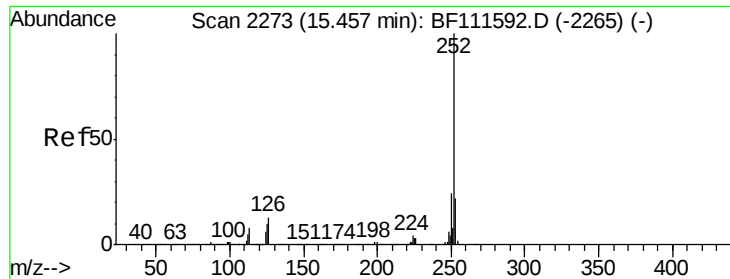
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.0	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 15.341 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.0	9.8	14.8

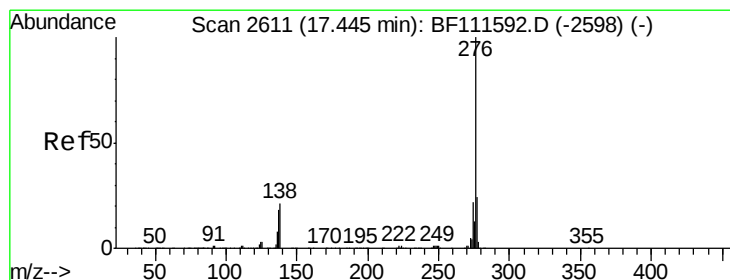
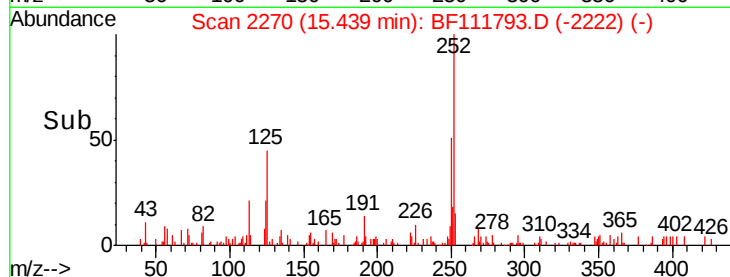
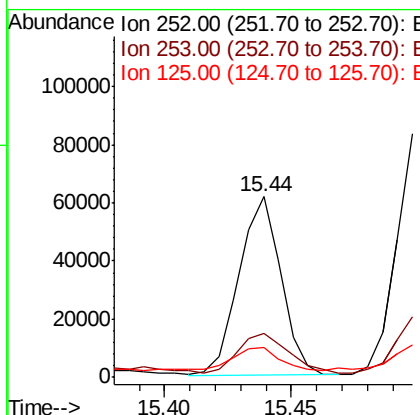
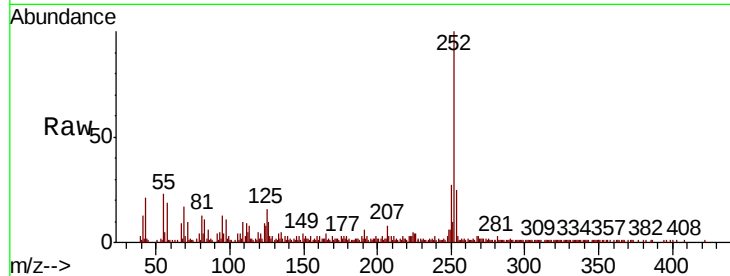




#90
Benzo(a)pyrene
Concen: 5.440 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tgt Ion: 252 Resp: 70993
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 16.4 12.3 18.5



#92
Benzo(g,h,i)perylene
Concen: 4.930 ng
RT: 17.52 min Scan# 2624
Delta R.T. 0.08 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion: 276 Resp: 55010
Ion Ratio Lower Upper
276 100
277 26.9 19.2 28.8
138 23.0 24.9 37.3#

