

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122818\
 Data File : BF111791.D
 Acq On : 28 Dec 2018 16:23
 Operator : JU/SJ
 Sample : J6193-11 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 29 01:10:33 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

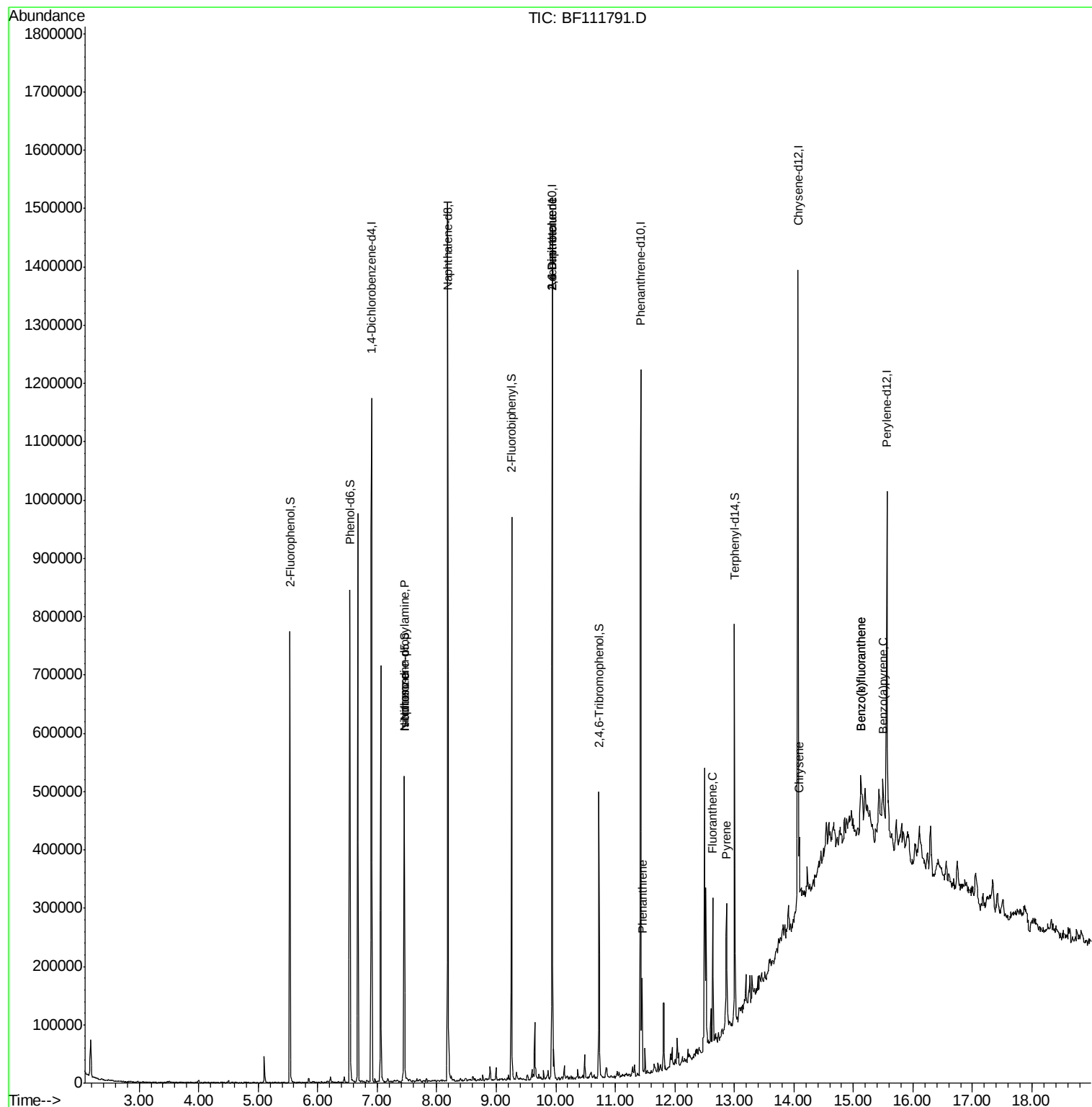
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	161471	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	593646	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	269677	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	420574	20.00	ng	0.01
76) Chrysene-d12	14.07	240	362130	20.00	ng	0.02
87) Perylene-d12	15.56	264	277181	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	196651	20.76	ng	0.02
7) Phenol-d6	6.54	99	247824	20.56	ng	0.02
23) Nitrobenzene-d5	7.46	82	152603	14.96	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	55176	17.32	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	275980	14.92	ng	0.00
79) Terphenyl-d14	13.00	244	219335	11.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	20040	2.503	ng	# 79
25) Isophorone	7.46	82	150492	8.312	ng	# 64
51) 2,6-Dinitrotoluene	9.94	165	33527	8.526	ng	# 29
57) 2,4-Dinitrotoluene	9.94	165	33527	7.094	ng	# 24
71) Phenanthrene	11.45	178	58008	2.601	ng	96
75) Fluoranthene	12.64	202	89335	3.955	ng	94
78) Pyrene	12.87	202	85934	3.360	ng	95
83) Chrysene	14.09	228	42522	2.093	ng	96
88) Benzo(b)fluoranthene	15.12	252	61557	3.800	ng	# 89
89) Benzo(k)fluoranthene	15.12	252	61557	3.991	ng	# 88
90) Benzo(a)pyrene	15.49	252	31746	2.157	ng	# 91

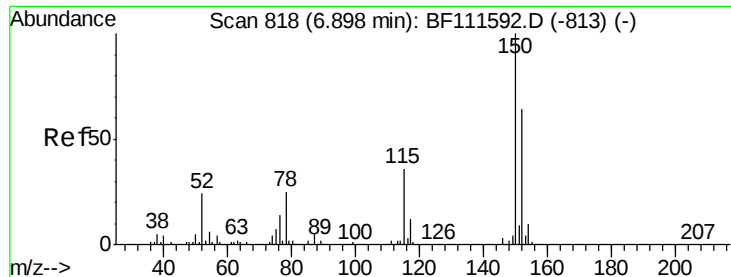
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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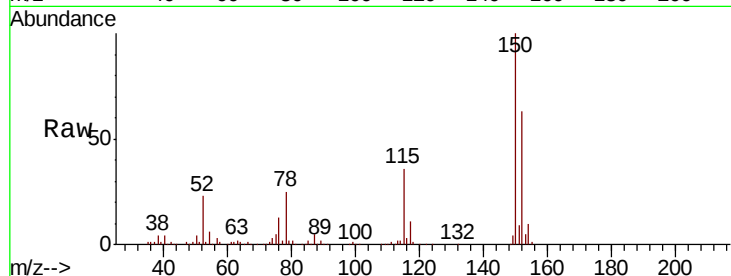


#1

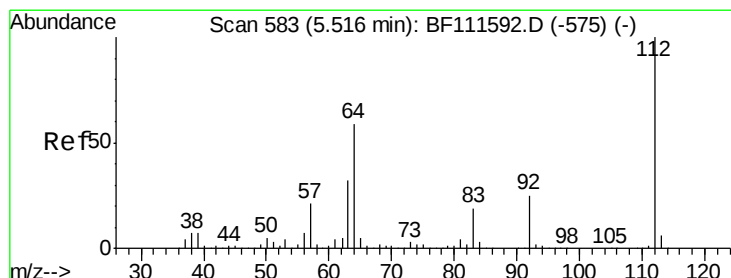
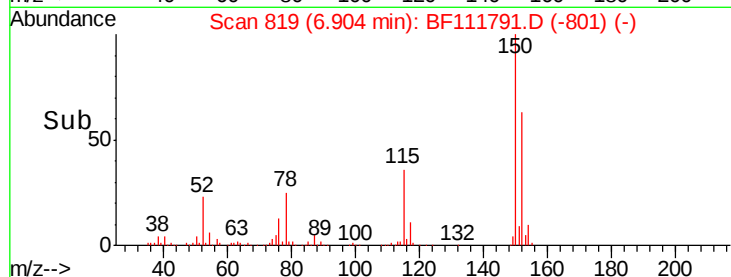
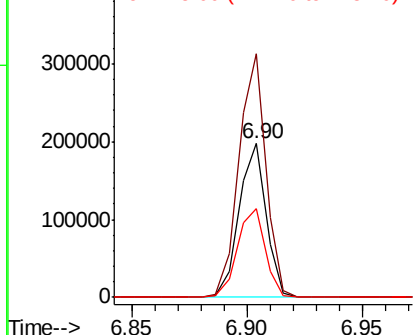
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

Tgt Ion:152 Resp: 161471
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 57.4 50.7 76.1



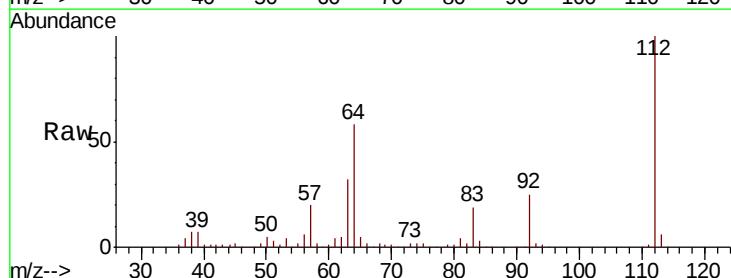
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



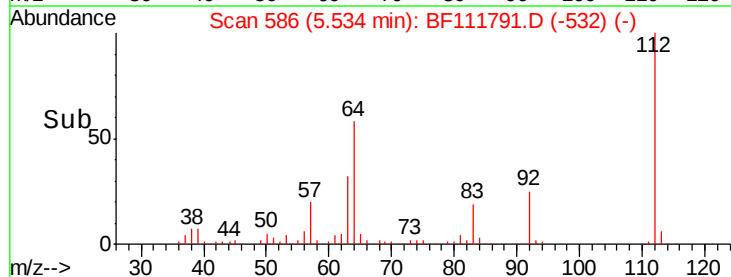
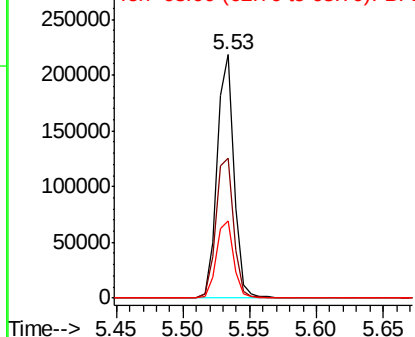
#5

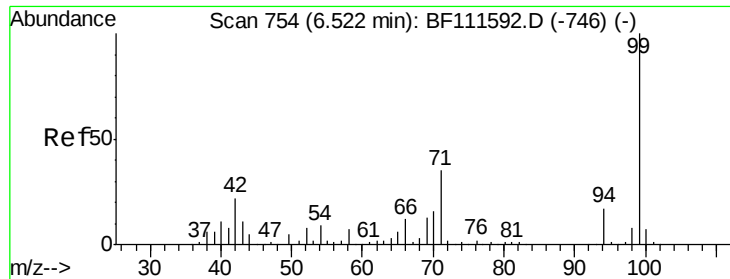
2-Fluorophenol
Concen: 20.759 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion:112 Resp: 196651
Ion Ratio Lower Upper
112 100
64 57.7 51.8 77.6
63 31.5 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: 20.556 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-A

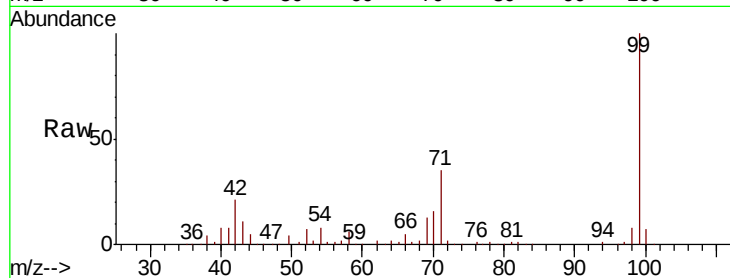
Tgt Ion: 99 Resp: 247824

Ion Ratio Lower Upper

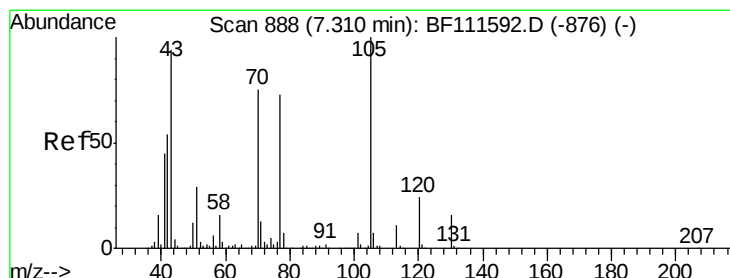
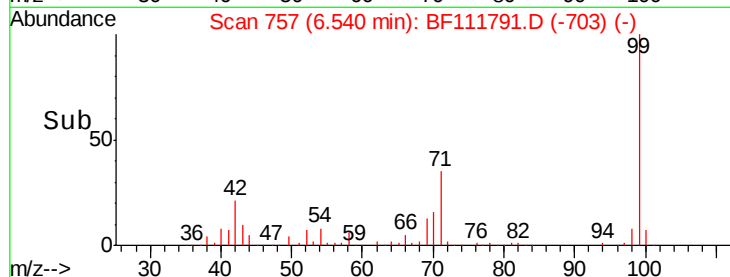
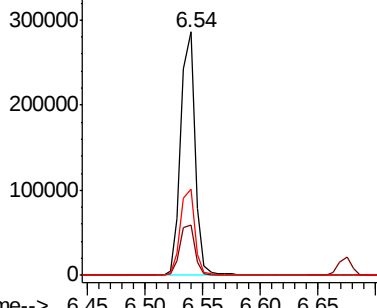
99 100

42 20.7 17.4 26.0

71 35.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 2.503 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Tgt Ion: 70 Resp: 20040

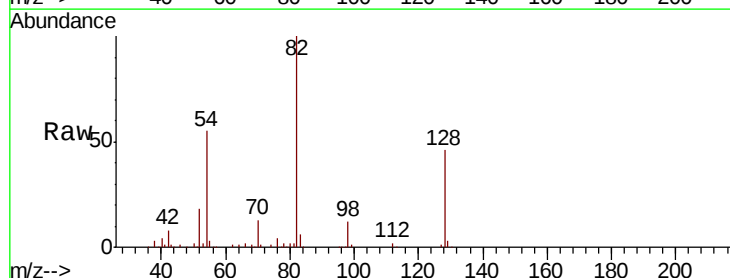
Ion Ratio Lower Upper

70 100

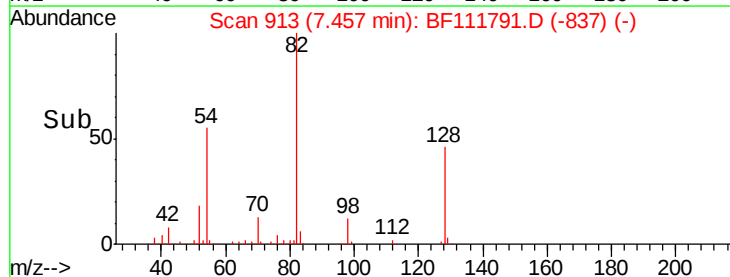
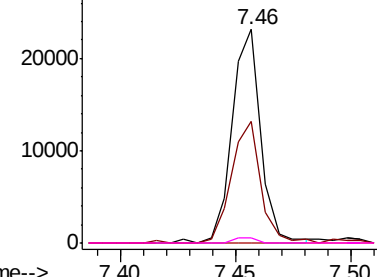
42 56.8 53.2 79.8

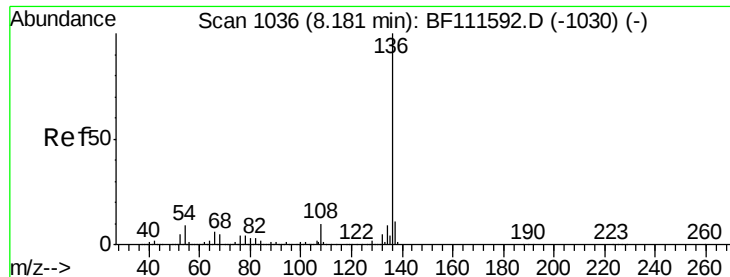
101 0.0 8.2 12.4#

130 2.3 18.1 27.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

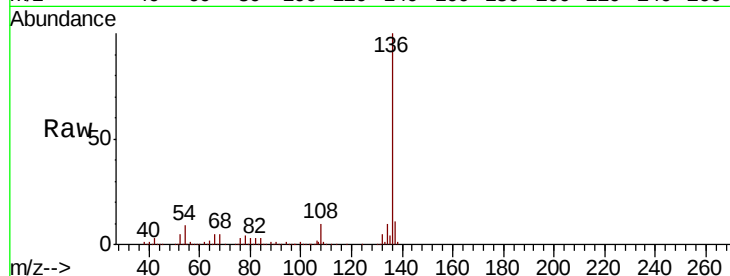




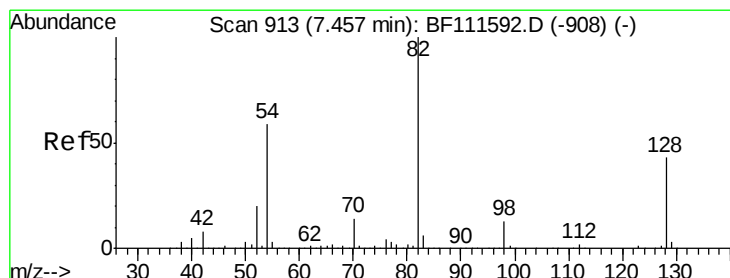
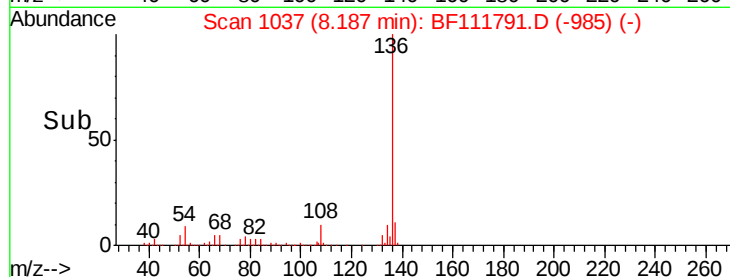
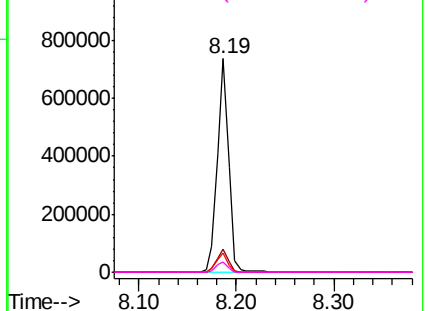
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

Tgt Ion:	136	Resp:	593646
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.7	7.7	11.5
68	5.0	4.9	7.3

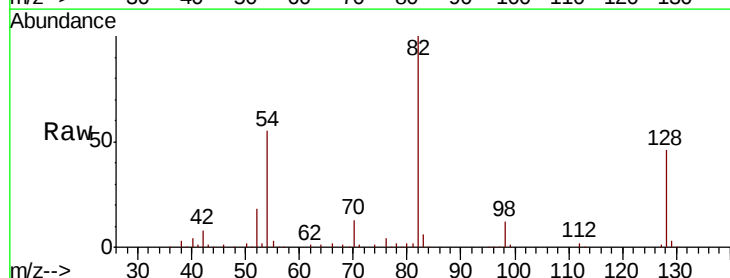


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

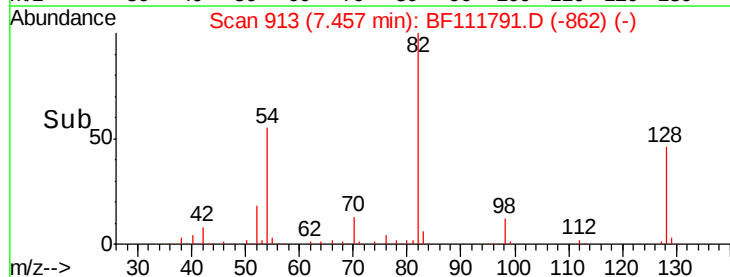
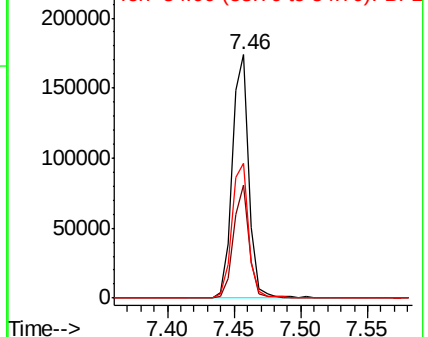


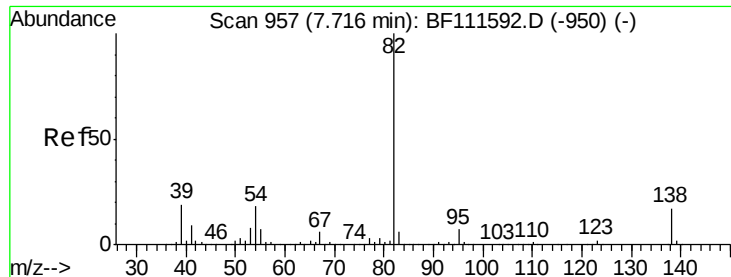
#23
Nitrobenzene-d5
Concen: 14.963 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion:	82	Resp:	152603
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.2
54	55.4	47.6	71.4



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: 8.312 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-A

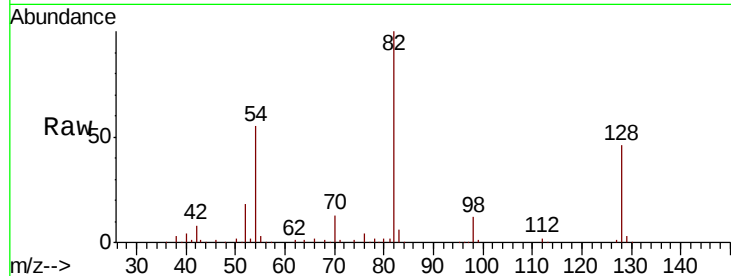
Tgt Ion: 82 Resp: 150492

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.2#

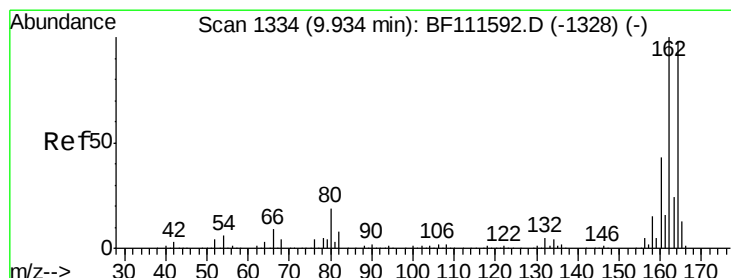
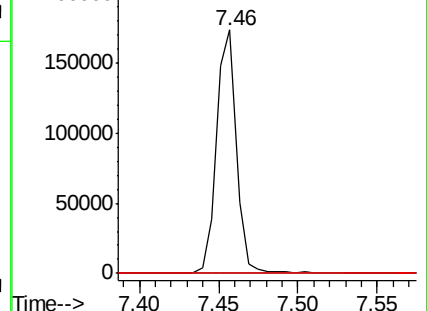
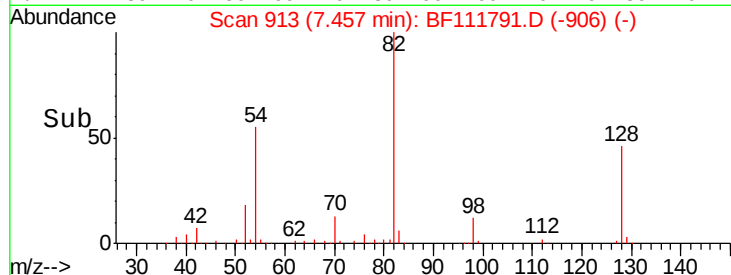
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

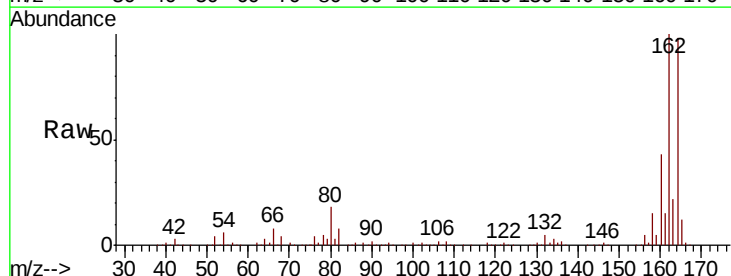
Tgt Ion: 164 Resp: 269677

Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

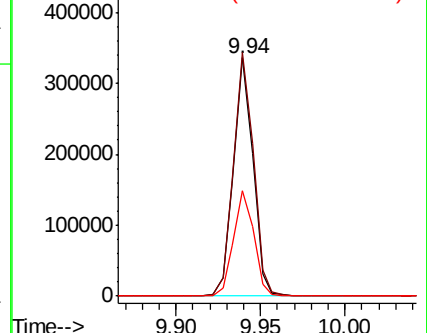
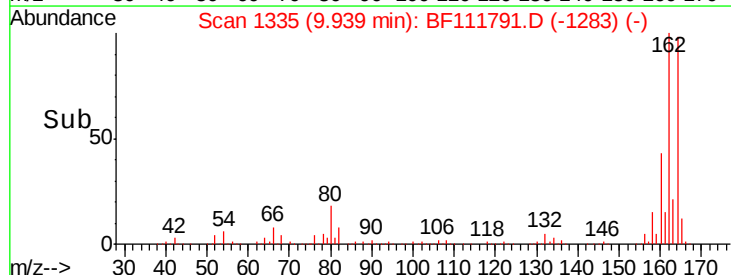
160 44.0 35.7 53.5

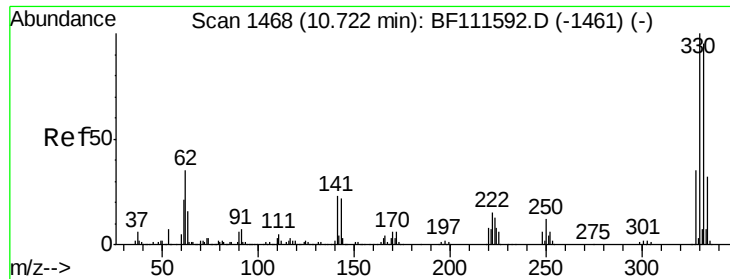


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

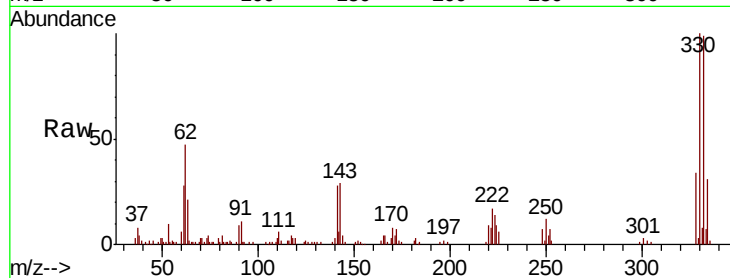




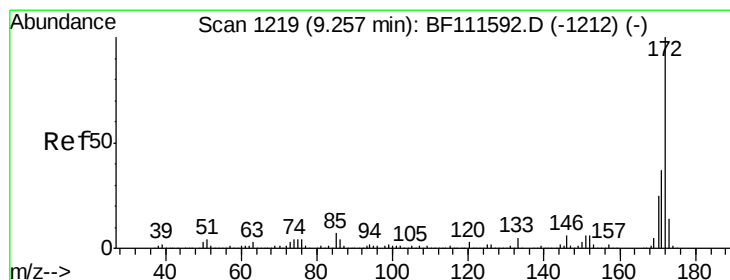
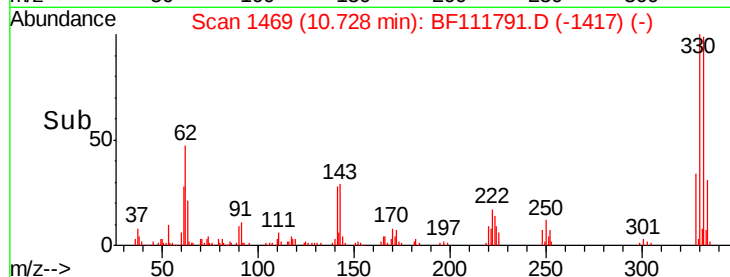
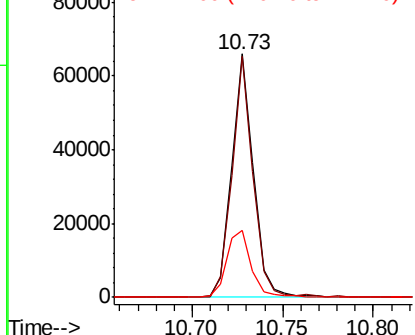
#42
 2,4,6-Tribromophenol
 Concen: 17.316 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111791.D
 Acq: 28 Dec 2018 16:23

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

Tgt Ion:330 Resp: 55176
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.0 114.0
 141 30.7 31.0 46.6#

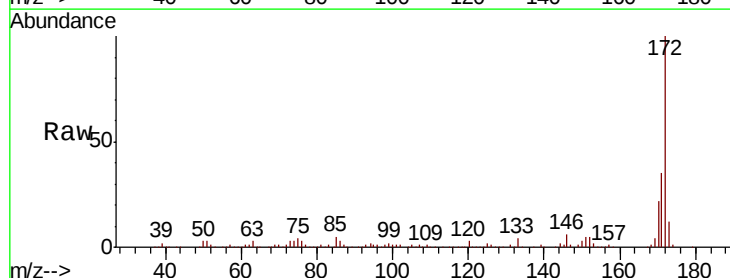


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

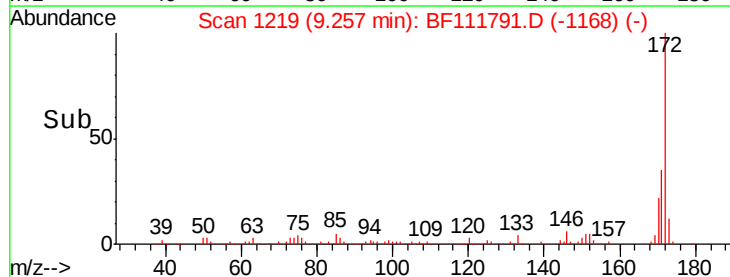
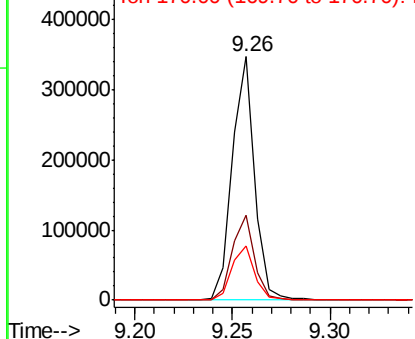


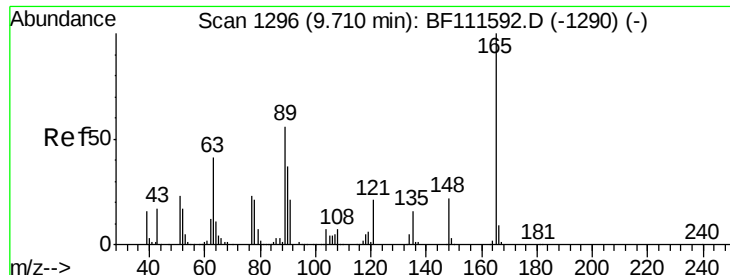
#45
 2-Fluorobiphenyl
 Concen: 14.916 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111791.D
 Acq: 28 Dec 2018 16:23

Tgt Ion:172 Resp: 275980
 Ion Ratio Lower Upper
 172 100
 171 35.0 33.0 49.4
 170 22.1 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

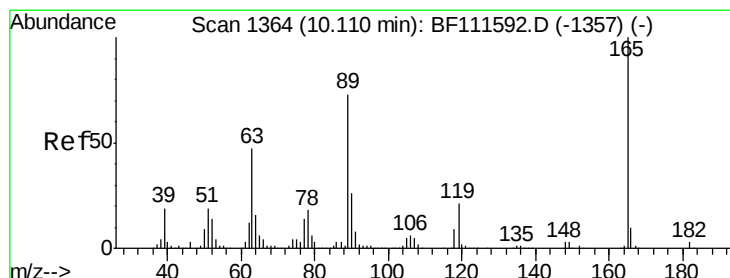
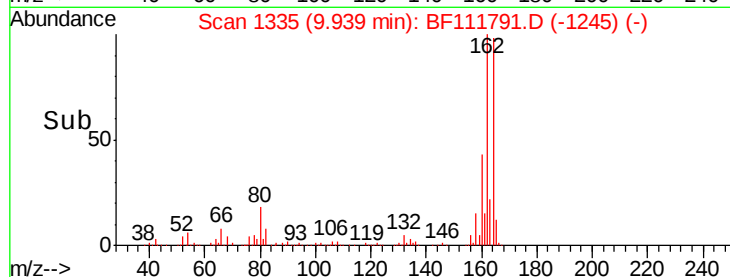
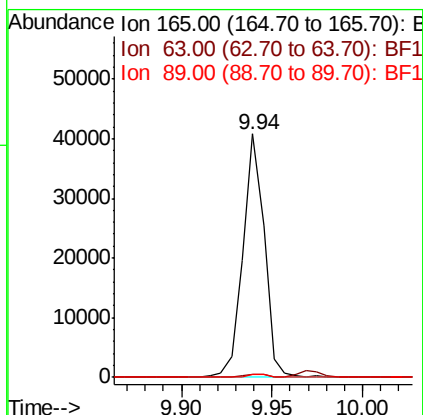
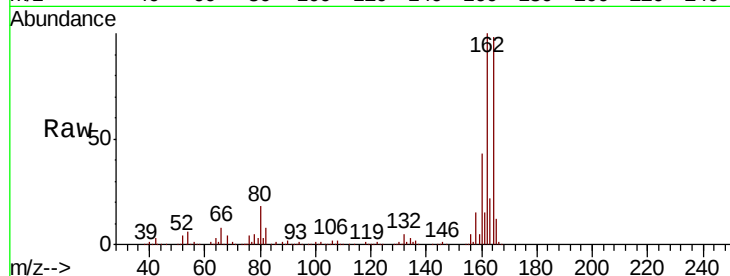




#51
 2,6-Dinitrotoluene
 Concen: 8.526 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.23 min
 Lab File: BF111791.D
 Acq: 28 Dec 2018 16:23

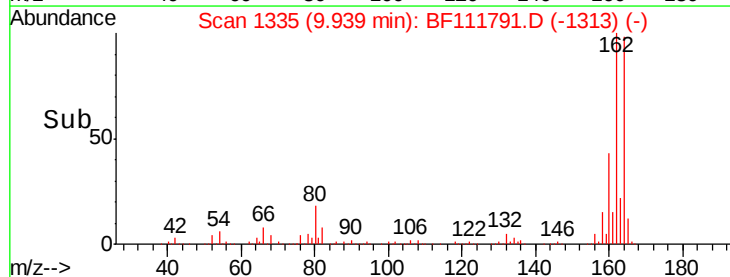
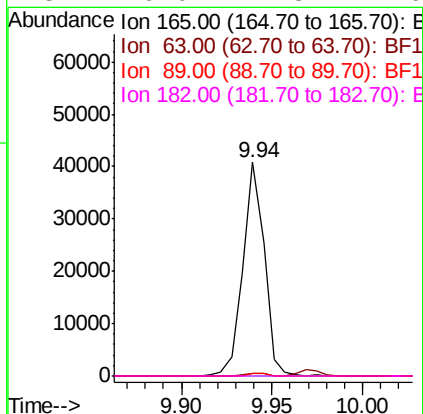
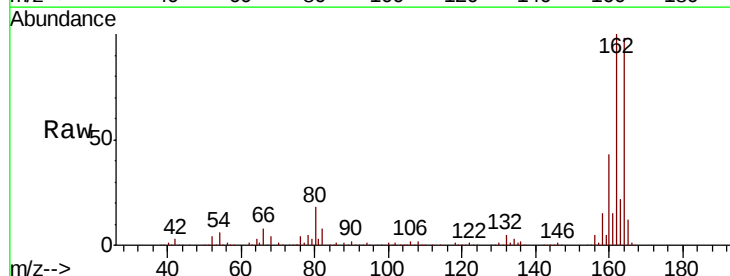
Instrument :
 BNA_F
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 CL-02-122718-A

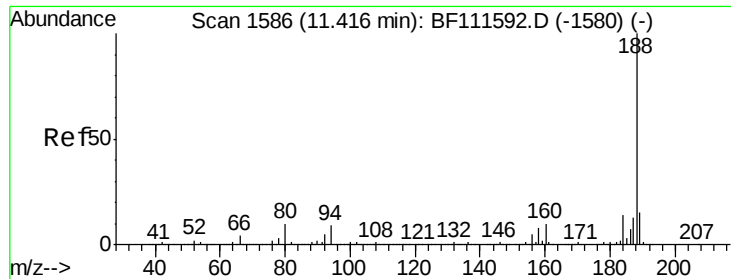
Tgt Ion:165 Resp: 33527
 Ion Ratio Lower Upper
 165 100
 63 1.2 40.5 60.7#
 89 1.2 40.0 60.0#



#57
 2,4-Dinitrotoluene
 Concen: 7.094 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111791.D
 Acq: 28 Dec 2018 16:23

Tgt Ion:165 Resp: 33527
 Ion Ratio Lower Upper
 165 100
 63 1.2 34.6 52.0#
 89 1.2 56.2 84.4#
 182 0.0 1.8 2.6#

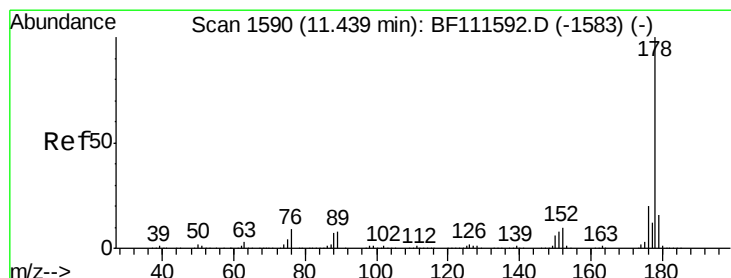
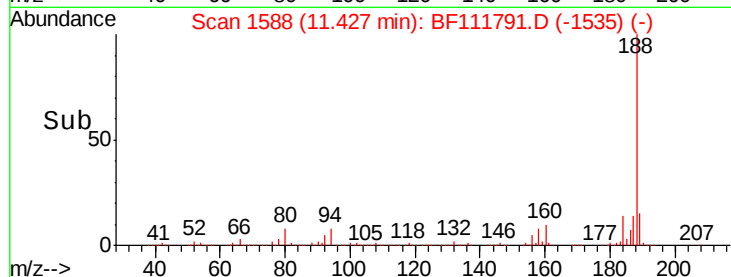
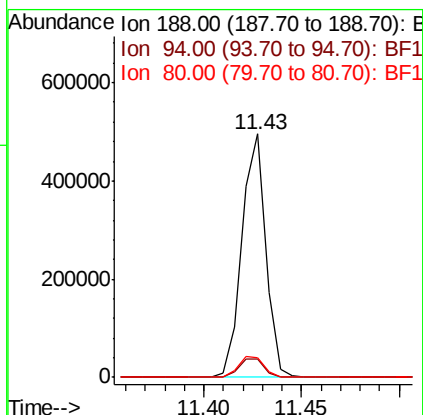
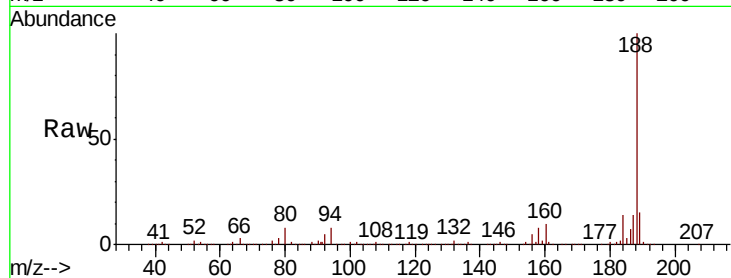




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

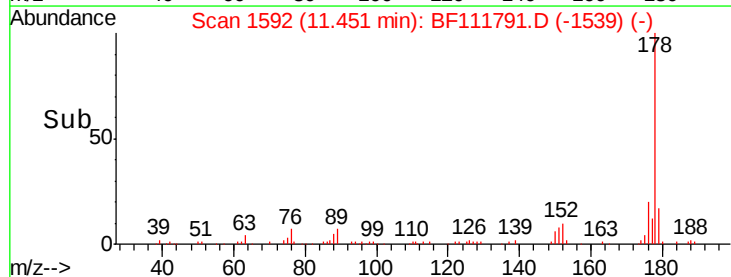
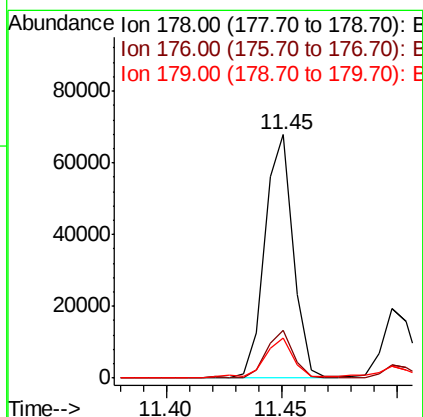
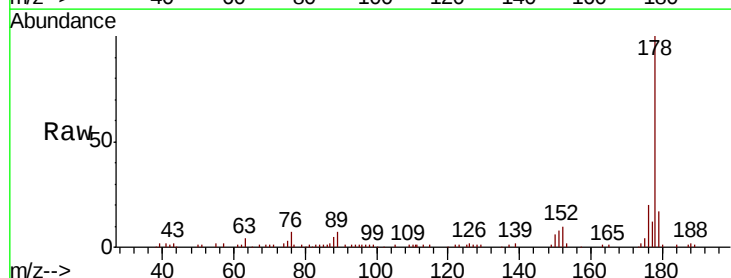
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-A

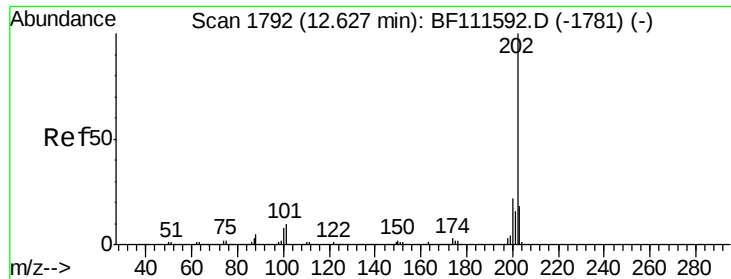
Tgt Ion:188 Resp: 420574
Ion Ratio Lower Upper
188 100
94 7.8 9.6 14.4#
80 8.1 9.8 14.6#



#71
Phenanthrene
Concen: 2.601 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion:178 Resp: 58008
Ion Ratio Lower Upper
178 100
176 19.8 18.1 27.1
179 16.6 14.0 21.0





#75

Fluoranthene

Concen: 3.955 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-A

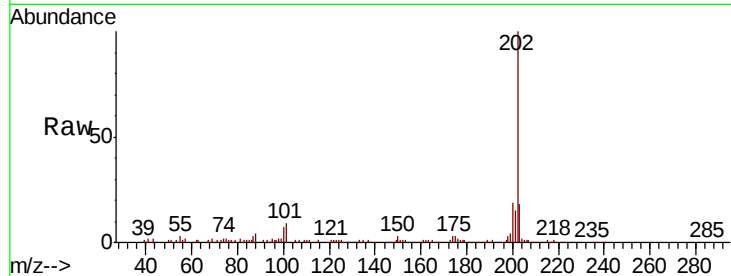
Tgt Ion:202 Resp: 89335

Ion Ratio Lower Upper

202 100

101 9.4 0.0 33.8

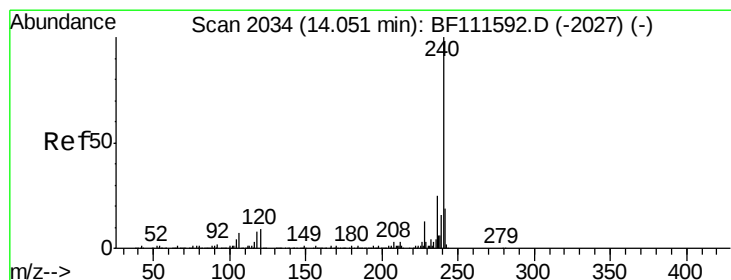
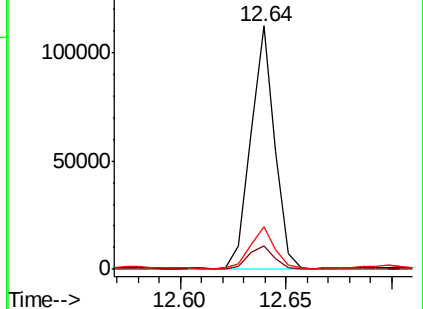
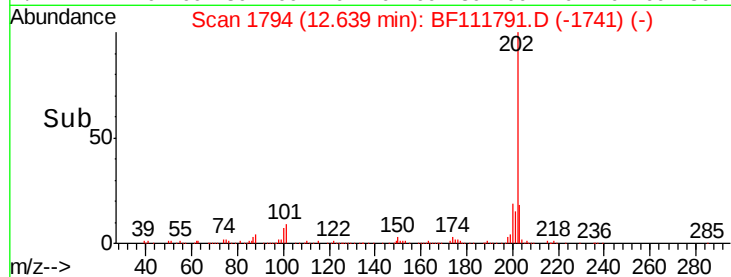
203 17.6 0.0 38.6



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: BF111791.D

Acq: 28 Dec 2018 16:23

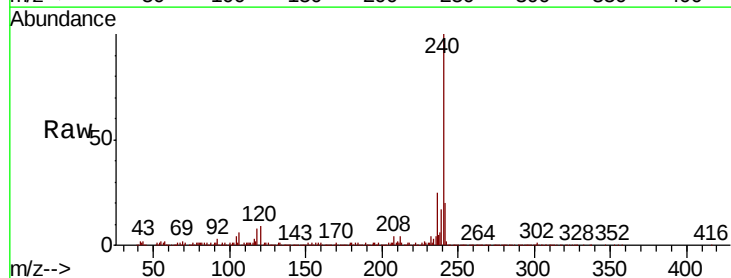
Tgt Ion:240 Resp: 362130

Ion Ratio Lower Upper

240 100

120 9.4 12.2 18.2#

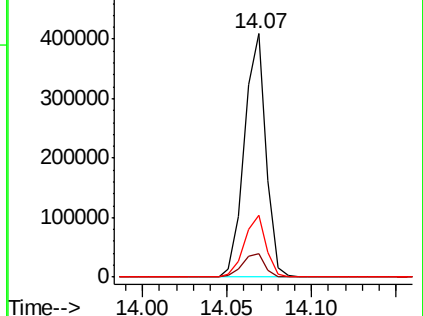
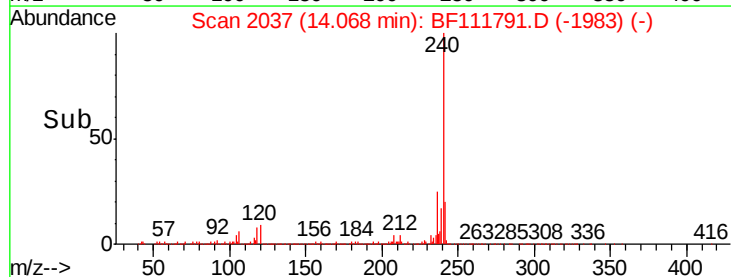
236 25.3 20.2 30.2

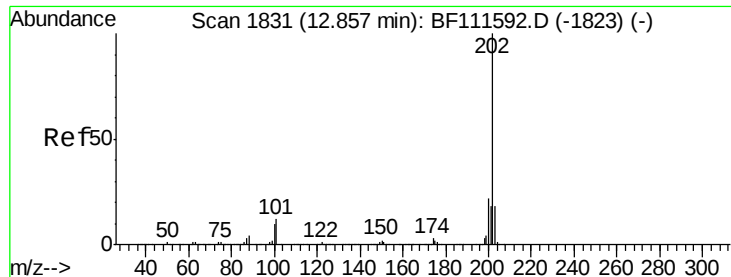


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

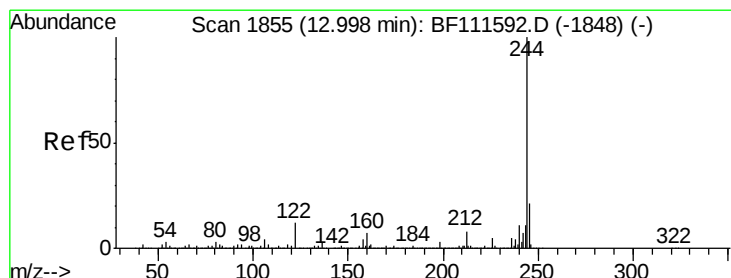
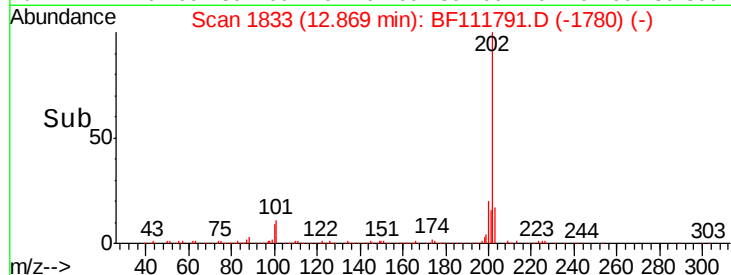
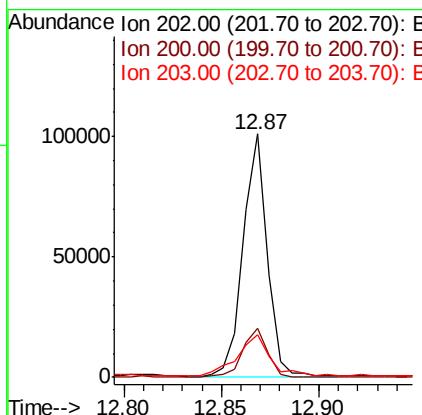
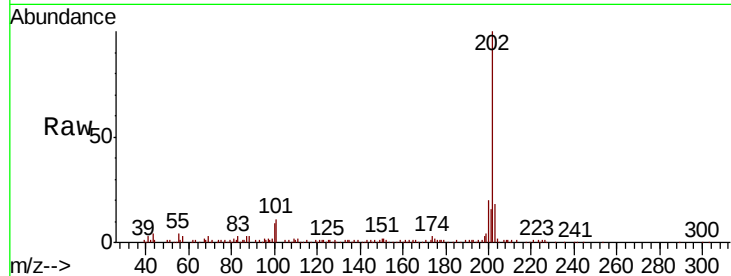




#78
 Pyrene
 Concen: 3.360 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: BF111791.D
 Acq: 28 Dec 2018 16:23

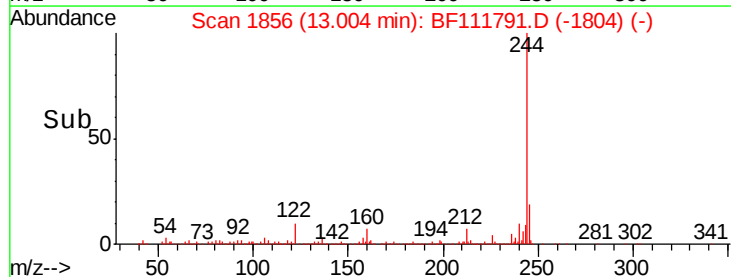
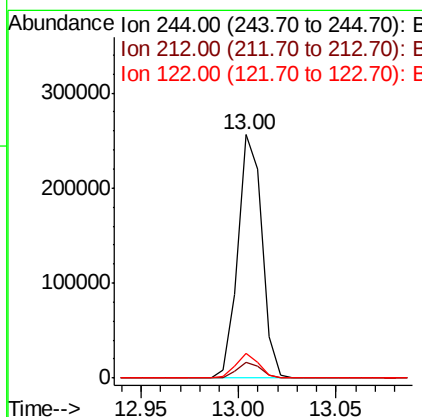
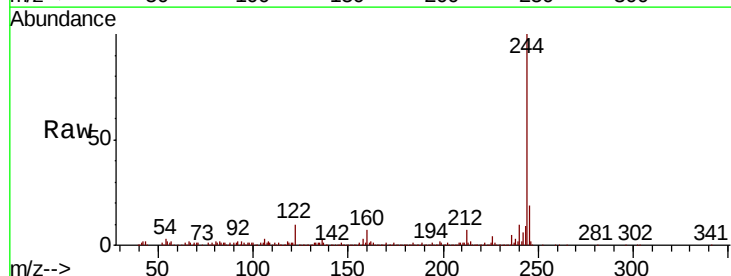
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-A

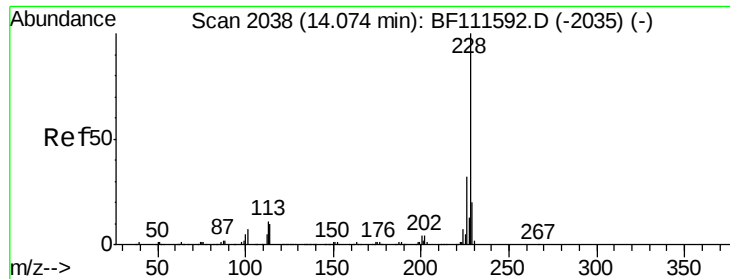
Tgt Ion:202 Resp: 85934
 Ion Ratio Lower Upper
 202 100
 200 20.0 19.0 28.4
 203 17.7 15.2 22.8



#79
 Terphenyl-d14
 Concen: 11.486 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BF111791.D
 Acq: 28 Dec 2018 16:23

Tgt Ion:244 Resp: 219335
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 10.1 13.1 19.7#

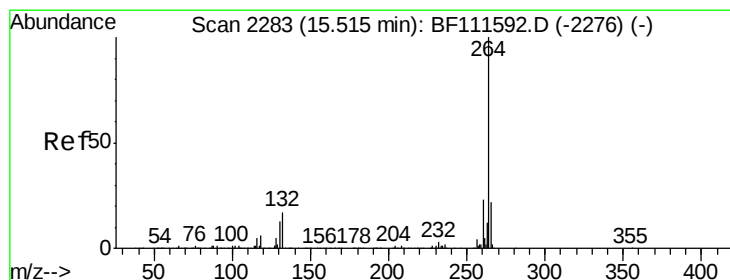
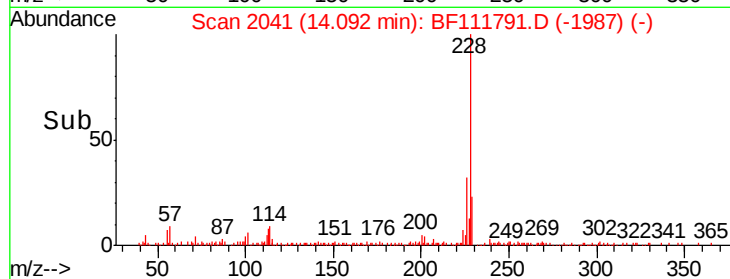
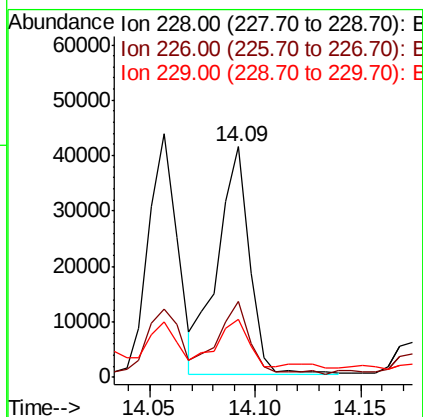
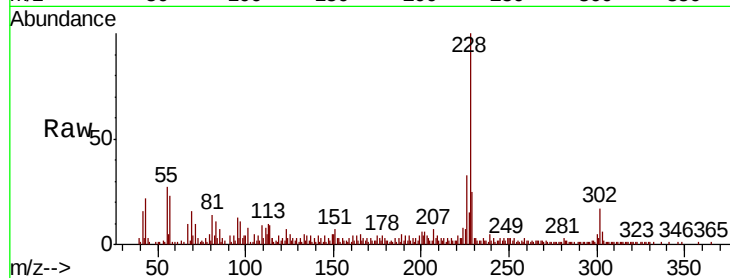




#83
Chrysene
Concen: 2.093 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

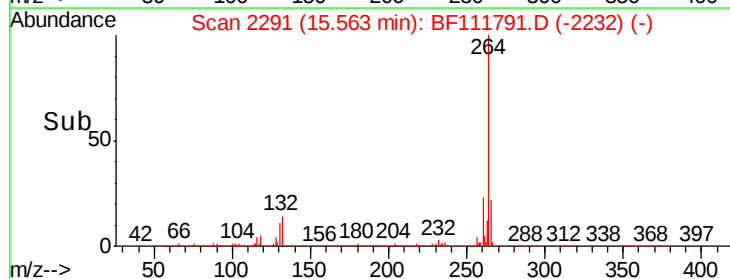
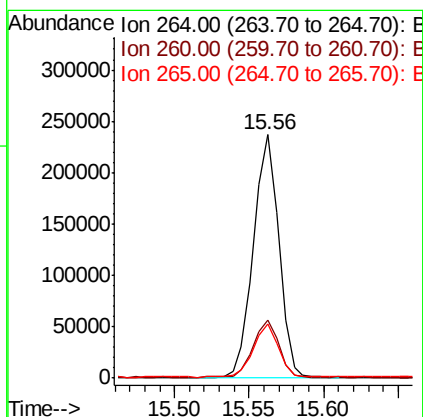
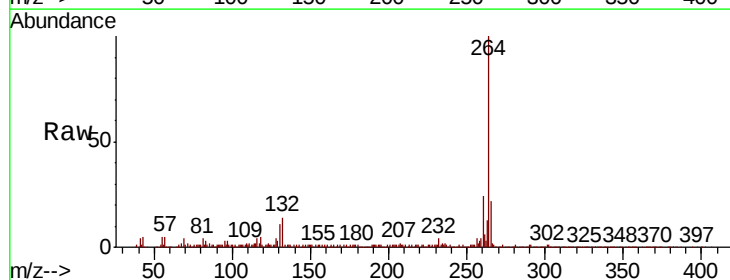
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-A

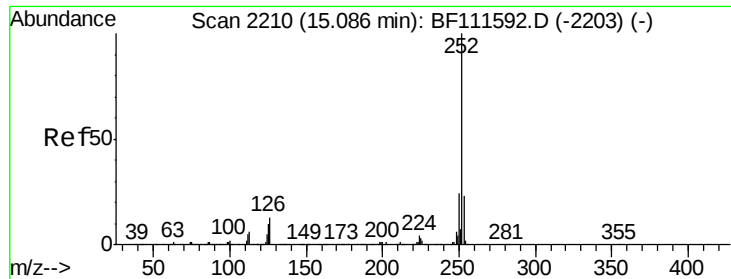
Tgt Ion:228 Resp: 42522
Ion Ratio Lower Upper
228 100
226 32.9 25.3 37.9
229 24.9 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.05 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion:264 Resp: 277181
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 22.2 17.7 26.5

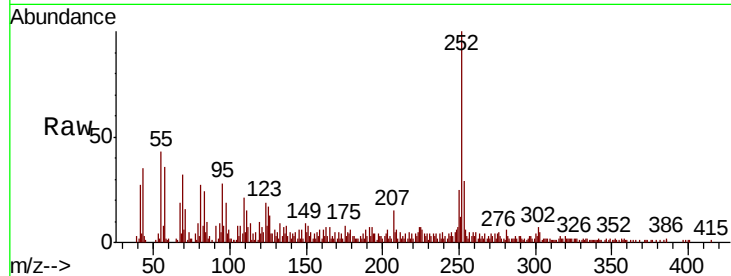




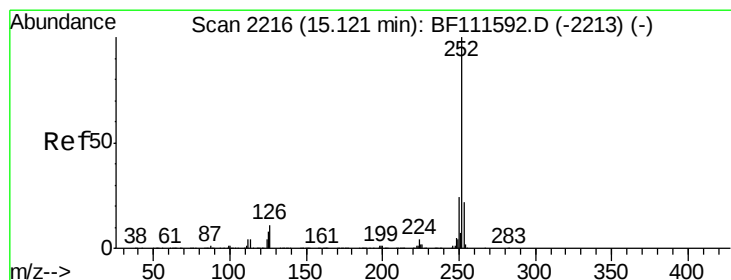
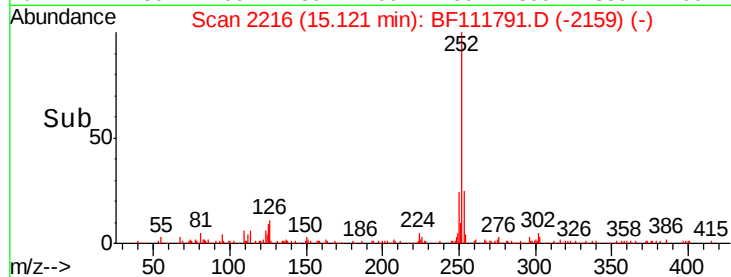
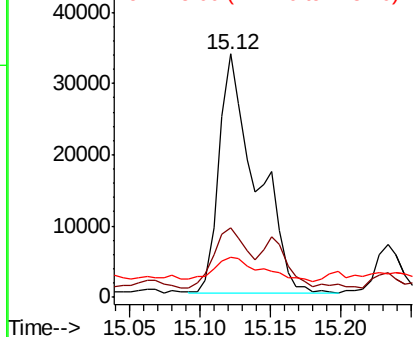
#88
Benzo(b)fluoranthene
Concen: 3.800 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.2	27.2#
125	16.7	10.4	15.6#

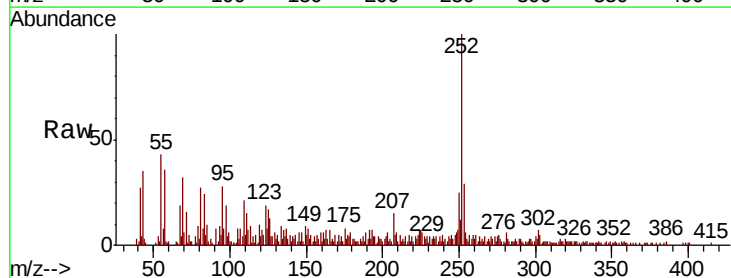


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

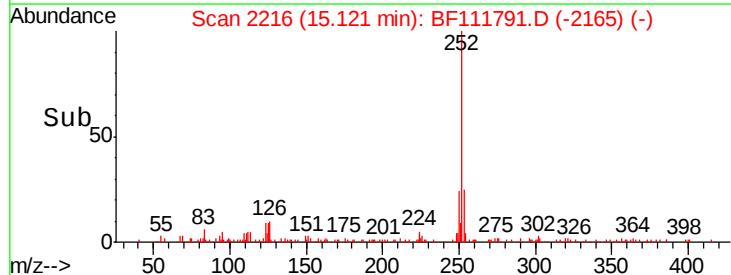
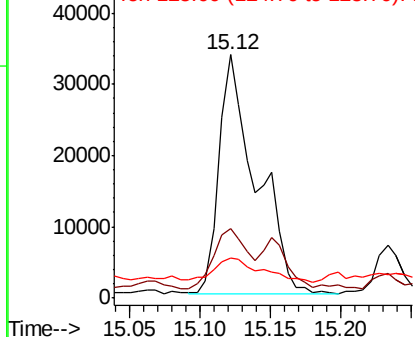


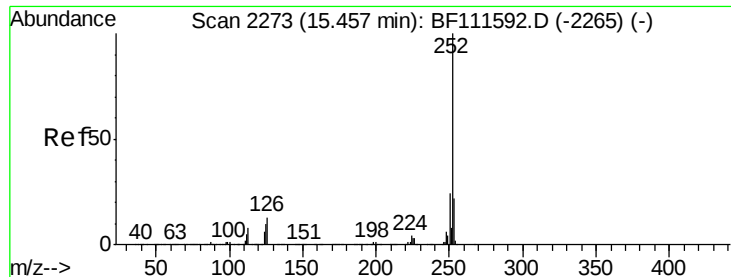
#89
Benzo(k)fluoranthene
Concen: 3.991 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.1	27.1#
125	16.7	9.8	14.8#



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





#90

Benzo(a)pyrene

Concen: 2.157 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.04 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-A

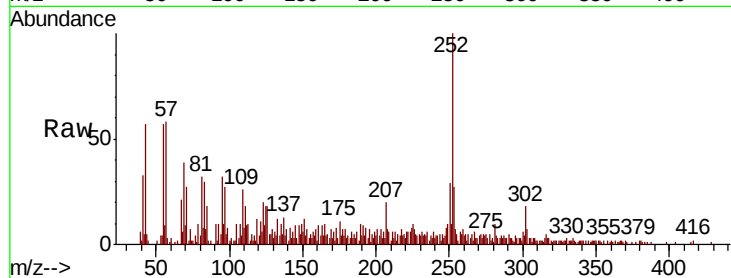
Tgt Ion: 252 Resp: 31746

Ion Ratio Lower Upper

252 100

253 27.2 17.8 26.8#

125 18.0 12.3 18.5



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

