

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122818\
 Data File : BF111792.D
 Acq On : 28 Dec 2018 16:50
 Operator : JU/SJ
 Sample : J6193-13 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 29 01:10:44 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	152479	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	533106	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	213611	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	341920	20.00	ng	0.01
76) Chrysene-d12	14.07	240	386847	20.00	ng	0.02
87) Perylene-d12	15.56	264	316356	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	463655	51.83	ng	0.02
7) Phenol-d6	6.54	99	568490	49.94	ng	0.02
23) Nitrobenzene-d5	7.46	82	350438	38.26	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	115590	45.80	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	577662	39.42	ng	0.00
79) Terphenyl-d14	13.01	244	519109	25.45	ng	0.01

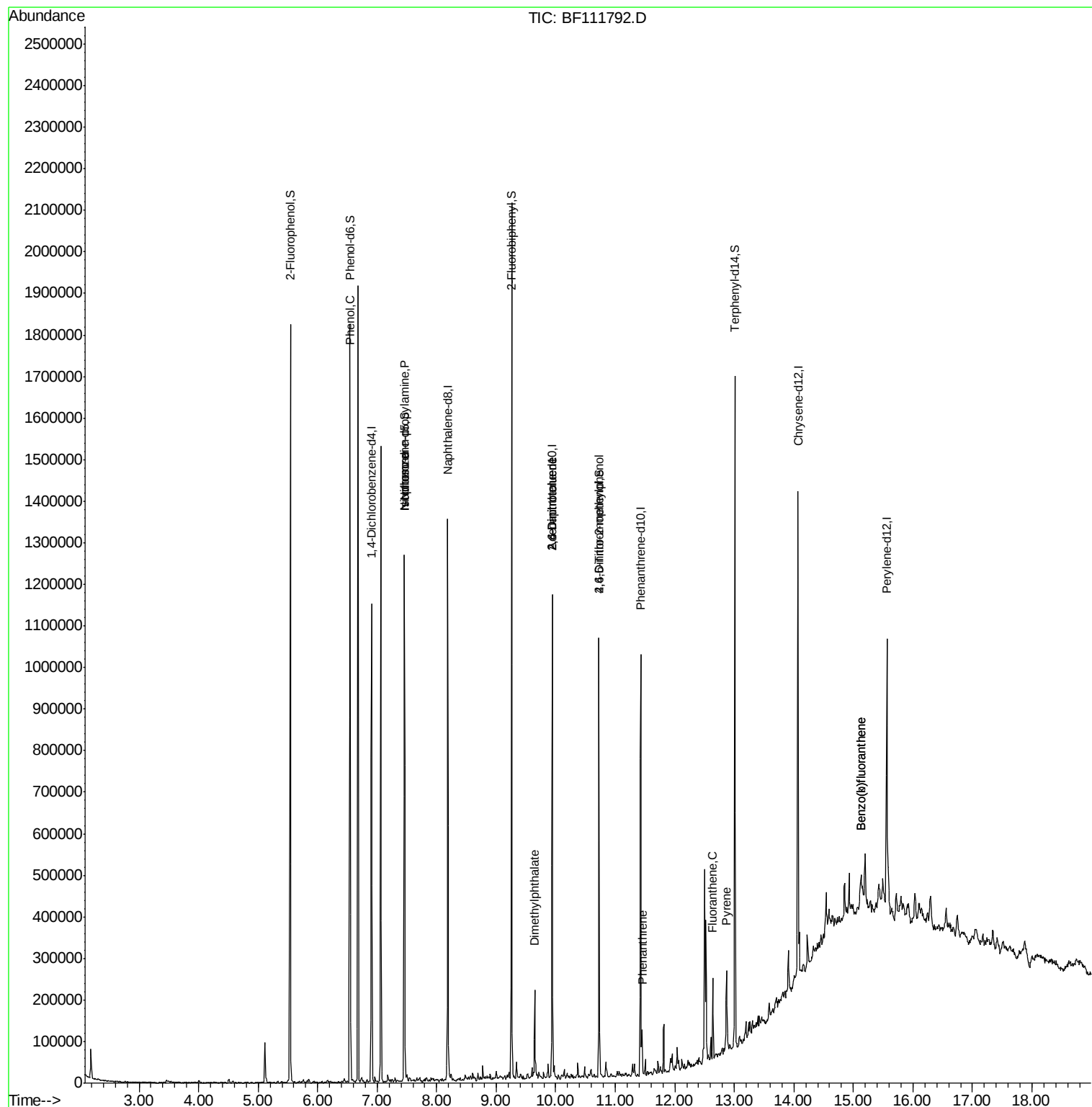
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	38023	2.960	ng	91
19) n-Nitroso-di-n-propylamine	7.46	70	47766	6.318	ng	# 77
25) Isophorone	7.46	82	348163	21.413	ng	# 64
50) Dimethylphthalate	9.65	163	74453	4.766	ng	99
51) 2,6-Dinitrotoluene	9.94	165	27885	8.953	ng	# 30
57) 2,4-Dinitrotoluene	9.94	165	27885	7.449	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	131	6.773	ng	# 1
71) Phenanthrene	11.45	178	41400	2.283	ng	98
75) Fluoranthene	12.64	202	70166	3.821	ng	94
78) Pyrene	12.87	202	72904	2.669	ng	95
88) Benzo(b)fluoranthene	15.12	252	48261	2.610	ng	# 77
89) Benzo(k)fluoranthene	15.12	252	48261	2.742	ng	# 76

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

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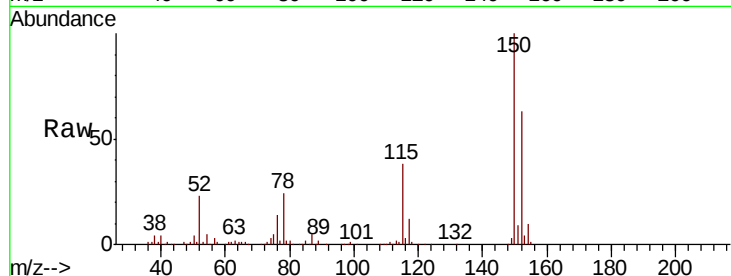


#1

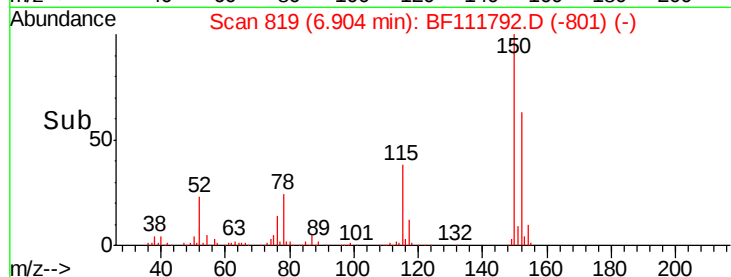
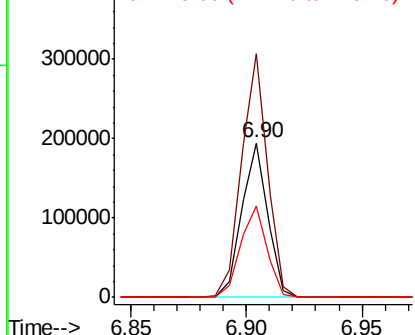
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

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

Tgt Ion:152 Resp: 152479
Ion Ratio Lower Upper
152 100
150 157.5 126.6 189.8
115 59.1 50.7 76.1



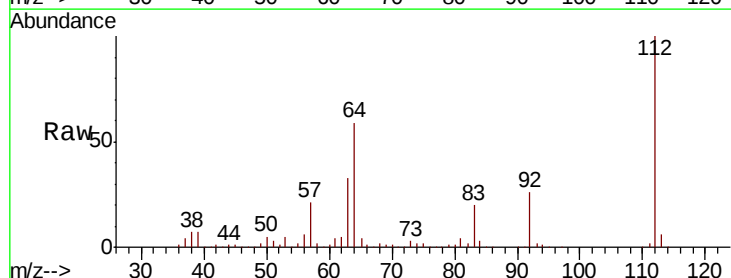
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



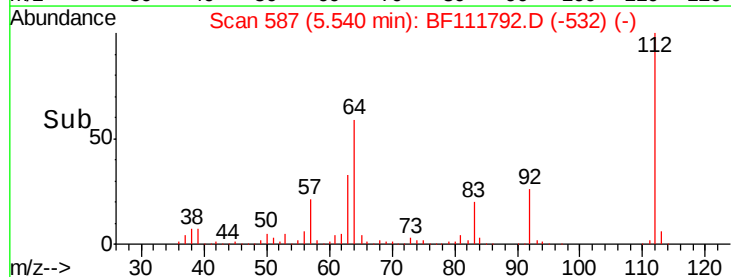
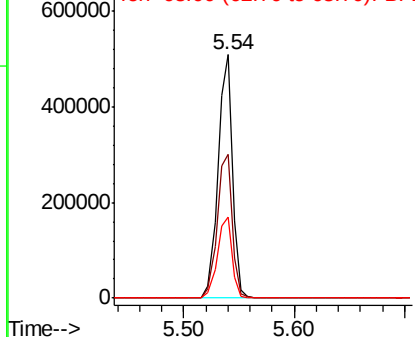
#5

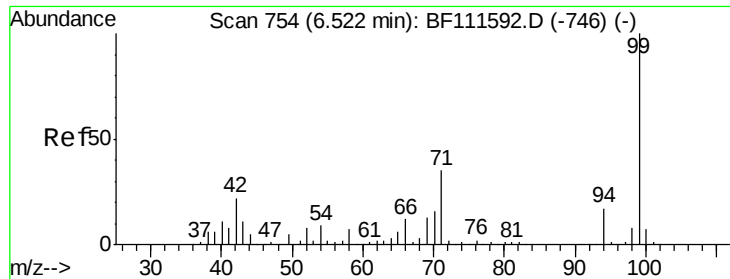
2-Fluorophenol
Concen: 51.831 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

Tgt Ion:112 Resp: 463655
Ion Ratio Lower Upper
112 100
64 59.3 51.8 77.6
63 33.1 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: 49.936 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111792.D

Acq: 28 Dec 2018 16:50

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-B

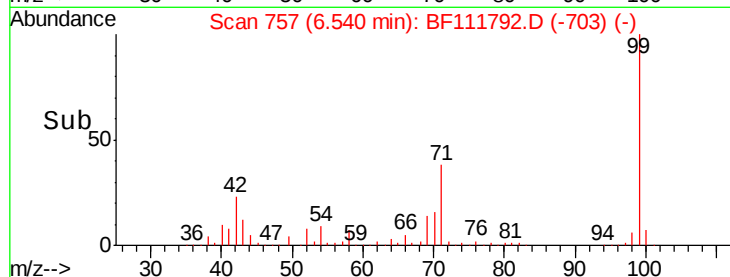
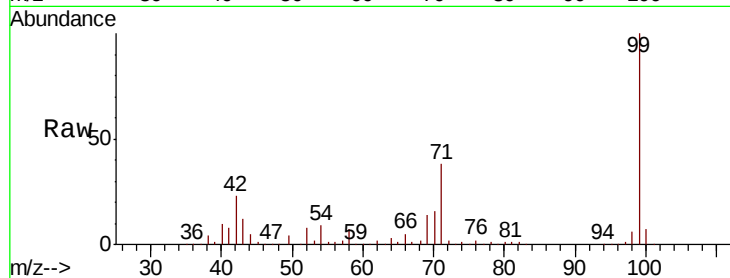
Tgt Ion: 99 Resp: 568490

Ion Ratio Lower Upper

99 100

42 23.2 17.4 26.0

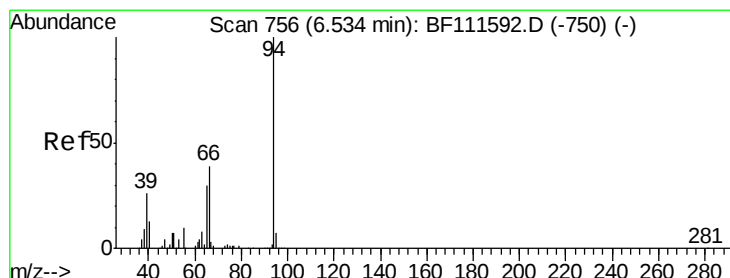
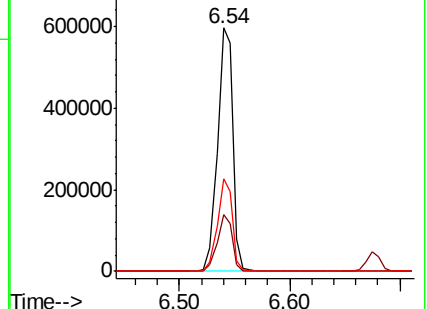
71 38.0 26.1 39.1



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: 2.960 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111792.D

Acq: 28 Dec 2018 16:50

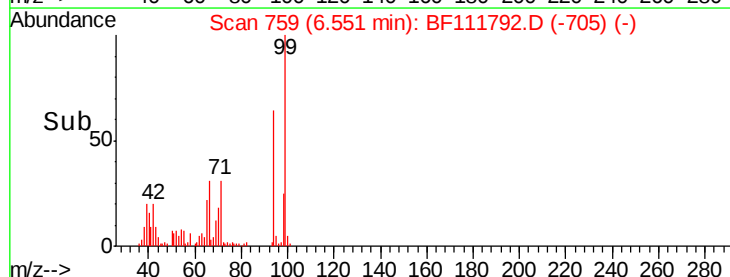
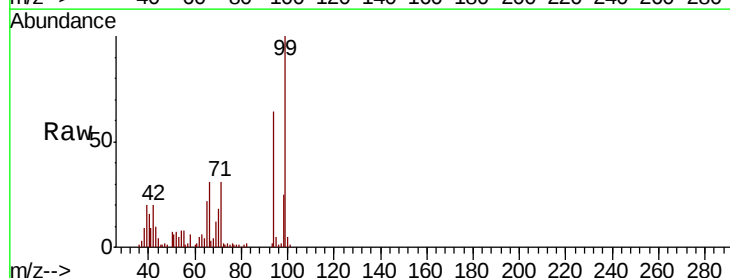
Tgt Ion: 94 Resp: 38023

Ion Ratio Lower Upper

94 100

65 34.5 11.7 51.7

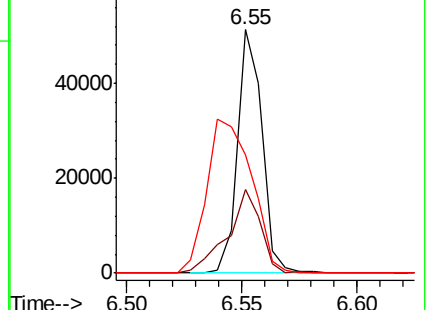
66 48.5 21.0 61.0



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

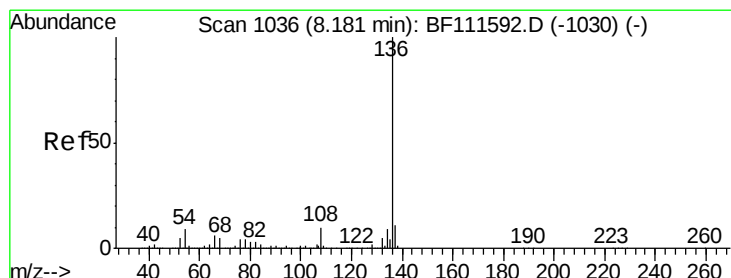
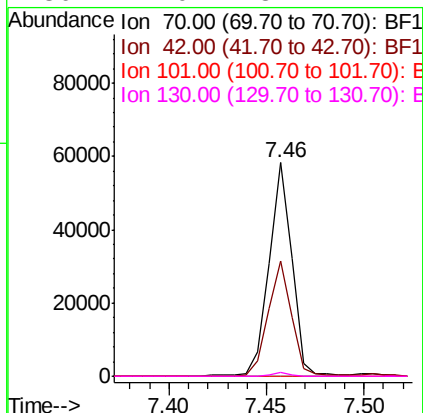
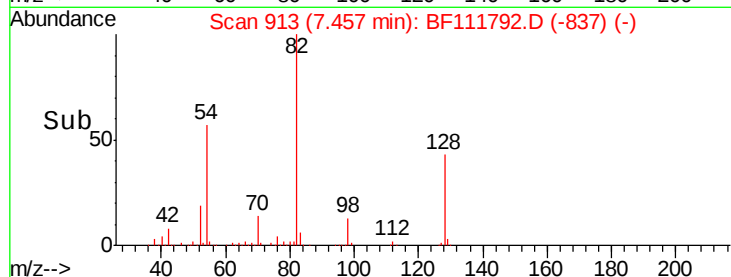
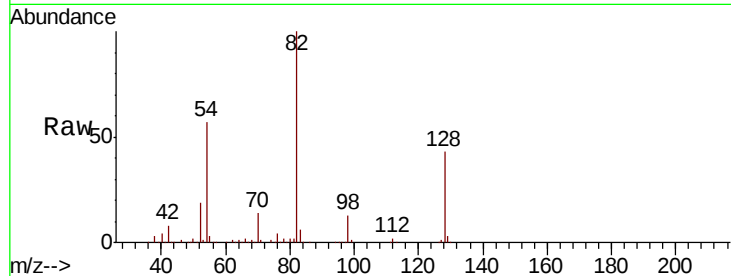




#19
n-Nitroso-di-n-propylamine
Concen: 6.318 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

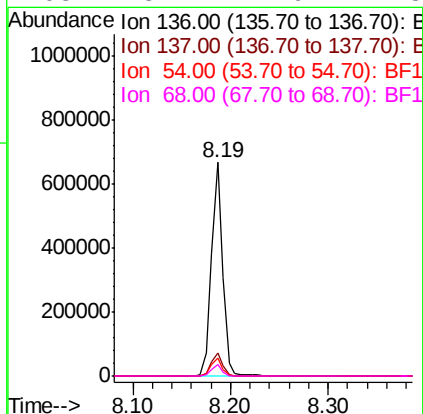
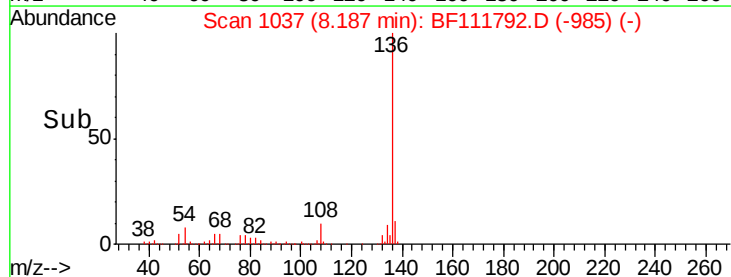
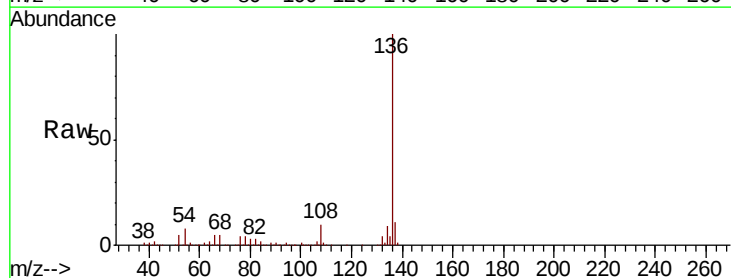
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-B

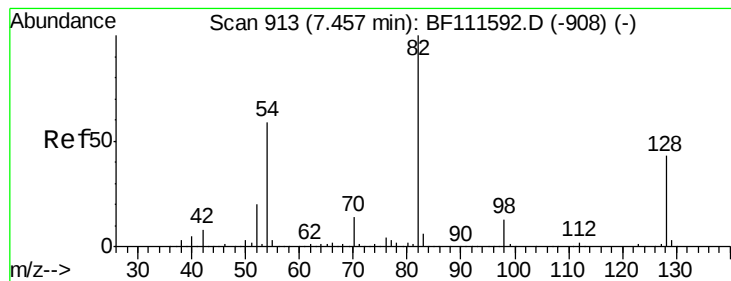
Tgt Ion: 70 Resp: 47766
Ion Ratio Lower Upper
70 100
42 54.1 53.2 79.8
101 0.0 8.2 12.4#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

Tgt Ion: 136 Resp: 533106
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.3 7.7 11.5
68 5.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 38.263 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF111792.D

Acq: 28 Dec 2018 16:50

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-B

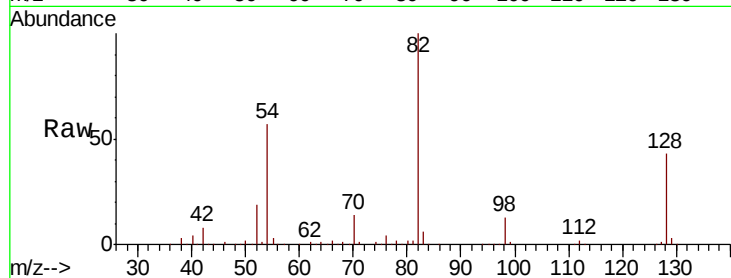
Tgt Ion: 82 Resp: 350438

Ion Ratio Lower Upper

82 100

128 43.0 37.4 56.2

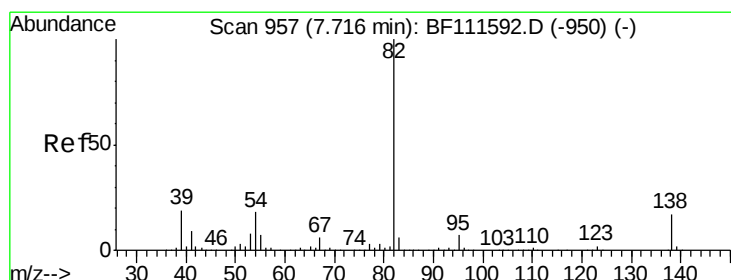
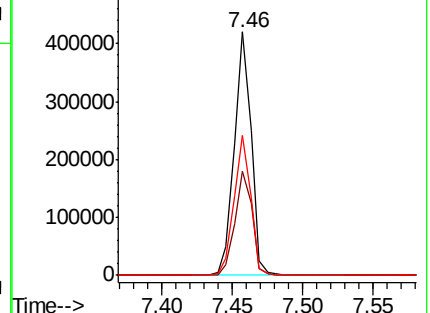
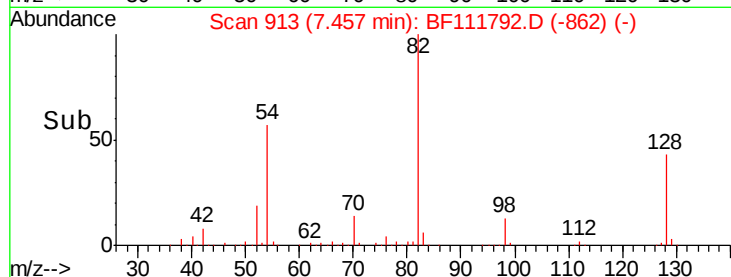
54 57.2 47.6 71.4



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: 21.413 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF111792.D

Acq: 28 Dec 2018 16:50

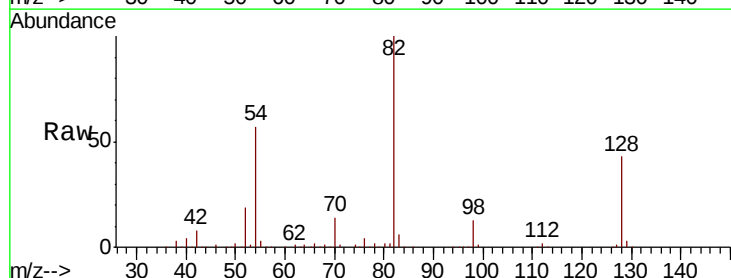
Tgt Ion: 82 Resp: 348163

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

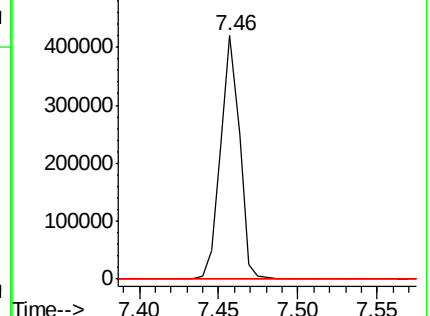
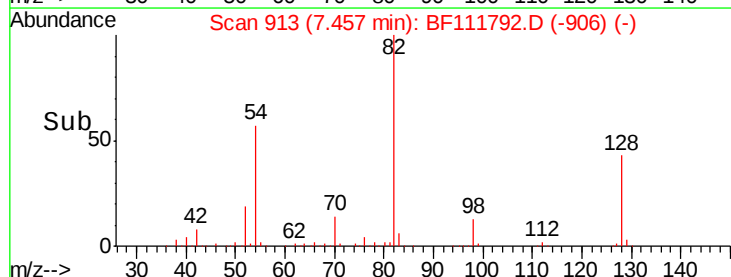
138 0.0 15.1 22.7#

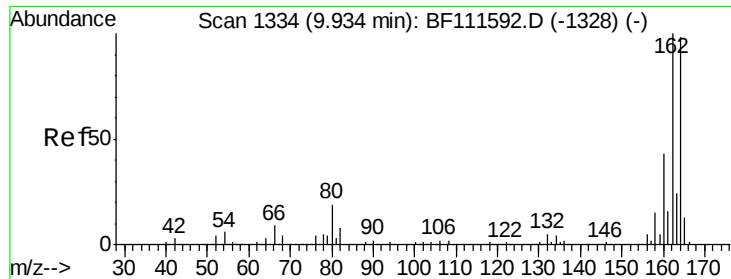


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: BF111792.D

Acq: 28 Dec 2018 16:50

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ClientSampleId :

CL-02-122718-B

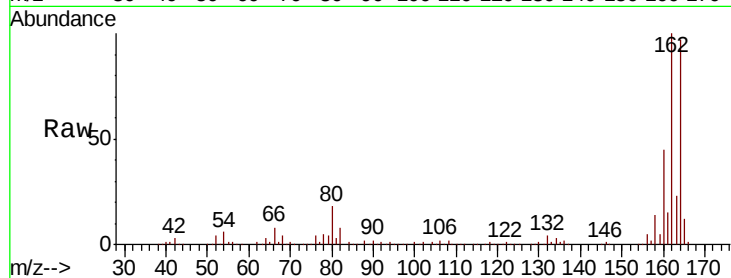
Tgt Ion:164 Resp: 213611

Ion Ratio Lower Upper

164 100

162 103.0 81.4 122.0

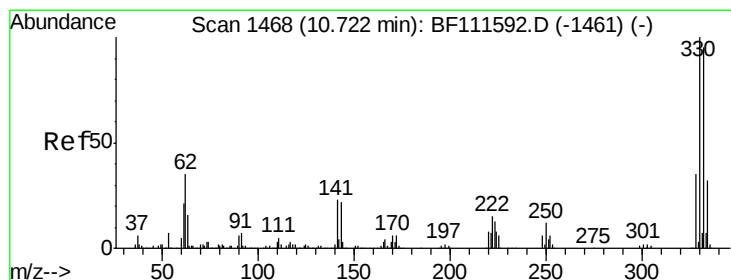
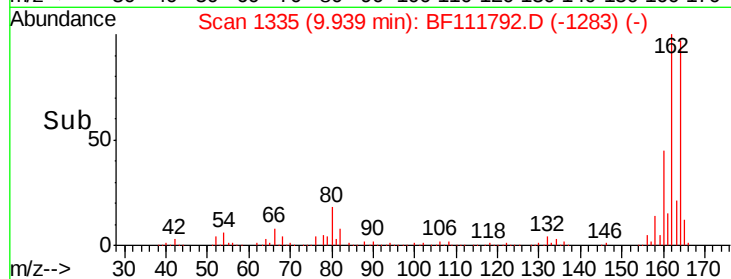
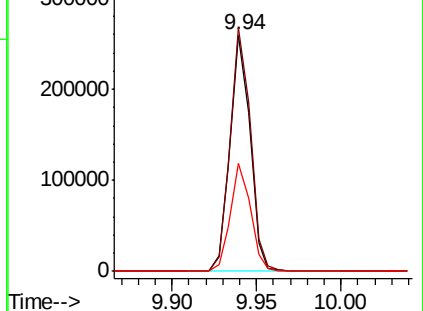
160 45.9 35.7 53.5



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: 45.797 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111792.D

Acq: 28 Dec 2018 16:50

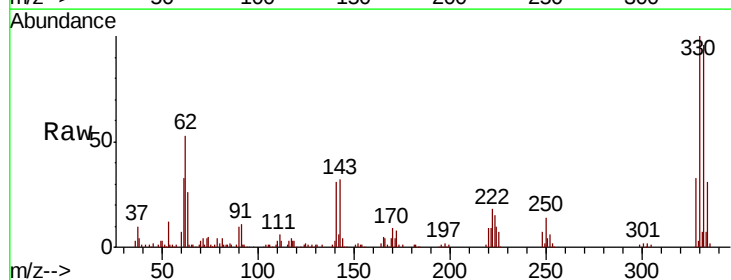
Tgt Ion:330 Resp: 115590

Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

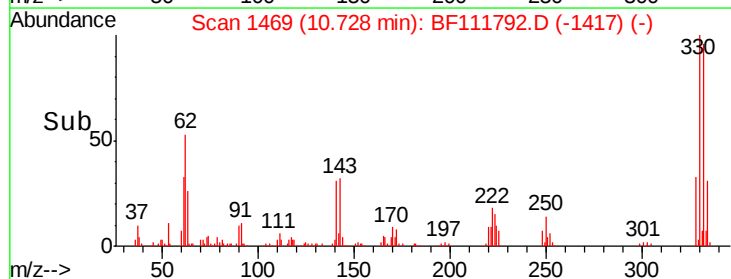
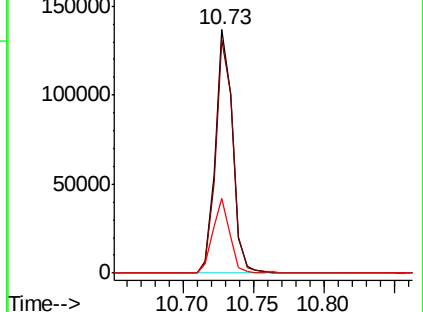
141 30.3 31.0 46.6#

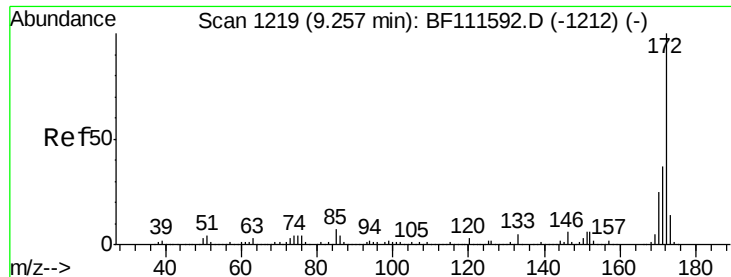


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

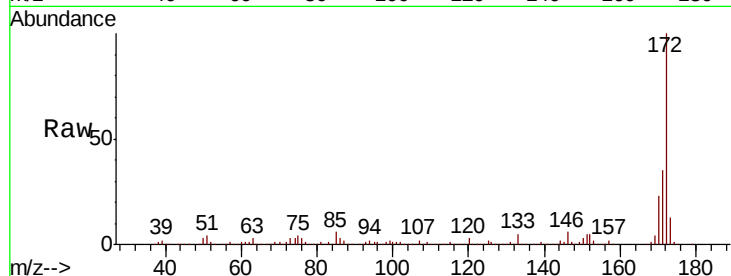




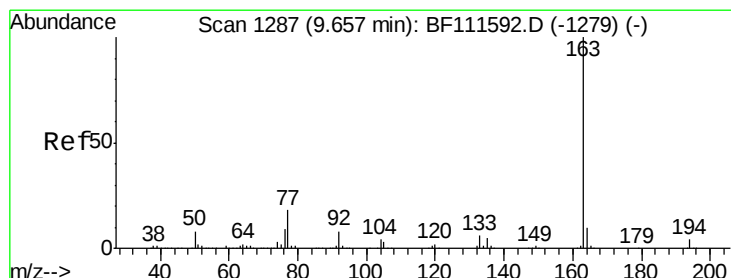
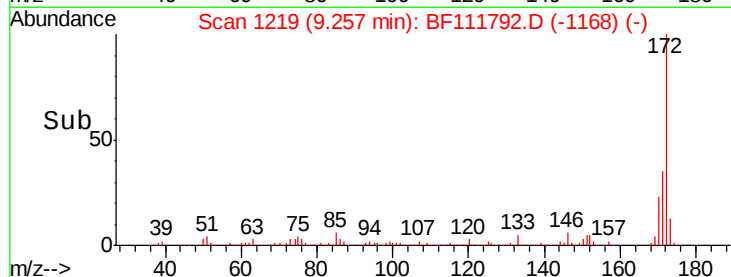
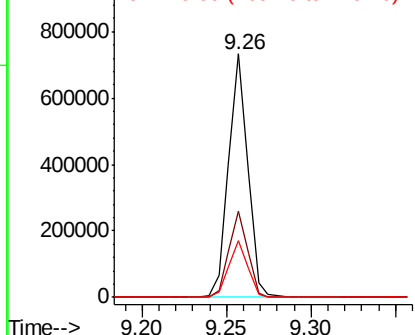
#45
 2-Fluorobiphenyl
 Concen: 39.417 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF111792.D
 Acq: 28 Dec 2018 16:50

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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	33.0	49.4
170	23.2	22.3	33.5

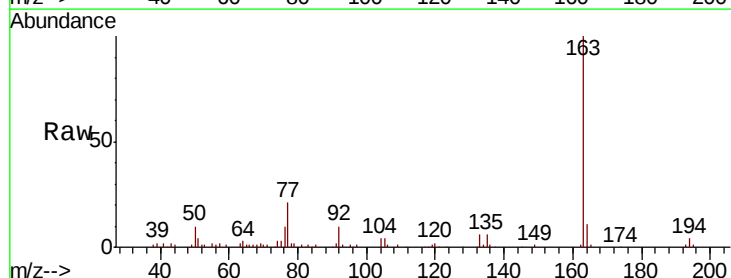


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

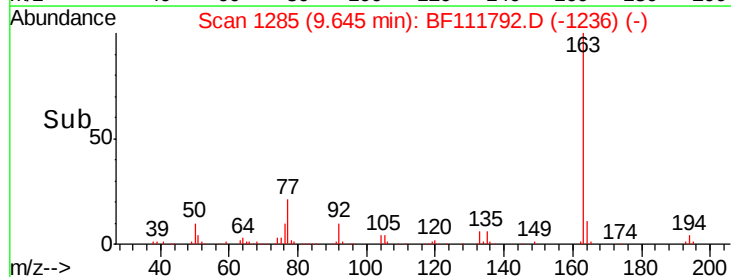
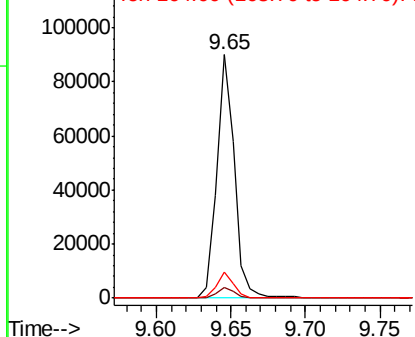


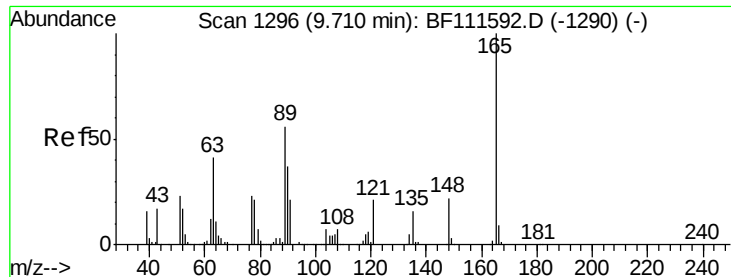
#50
 Dimethylphthalate
 Concen: 4.766 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BF111792.D
 Acq: 28 Dec 2018 16:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	10.8	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

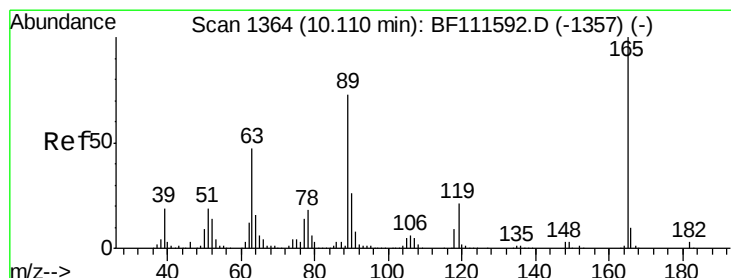
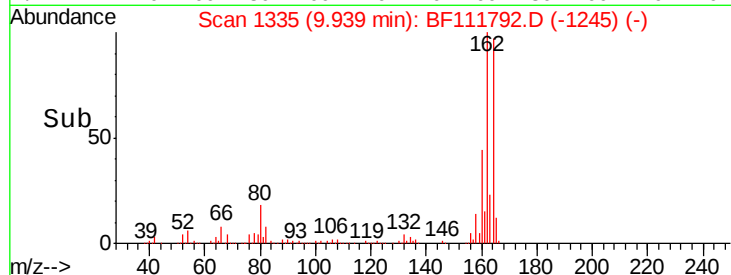
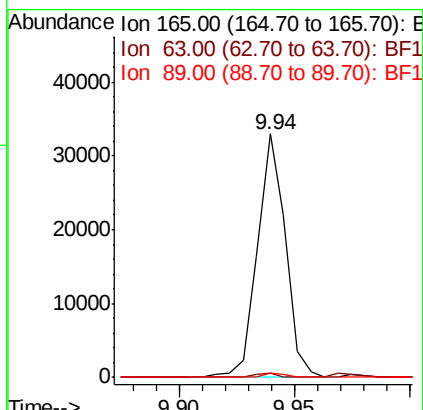
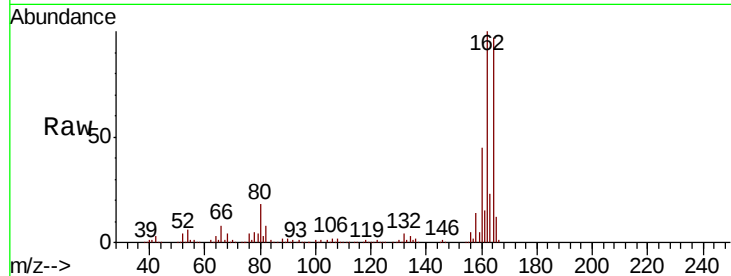




#51
 2,6-Dinitrotoluene
 Concen: 8.953 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.23 min
 Lab File: BF111792.D
 Acq: 28 Dec 2018 16:50

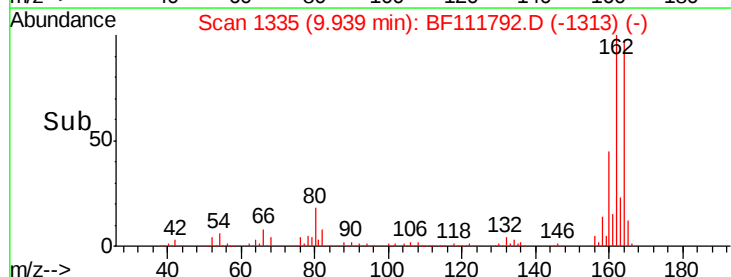
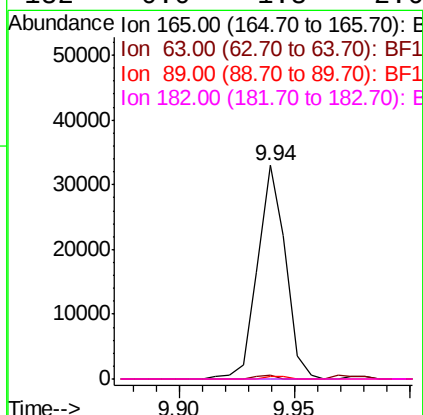
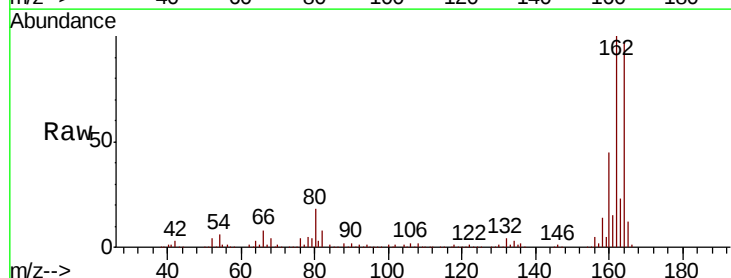
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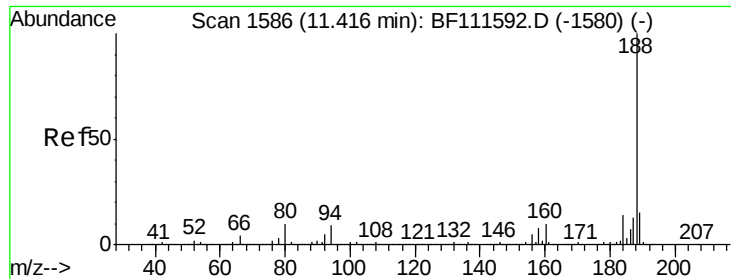
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	1.5	40.0	60.0#



#57
 2,4-Dinitrotoluene
 Concen: 7.449 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111792.D
 Acq: 28 Dec 2018 16:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	1.5	56.2	84.4#
182	0.0	1.8	2.6#

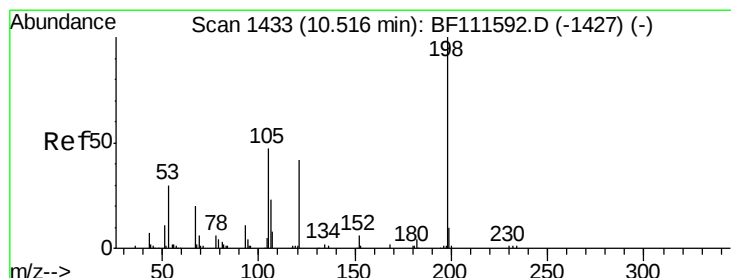
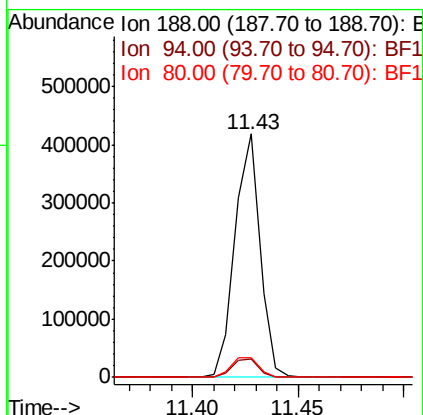
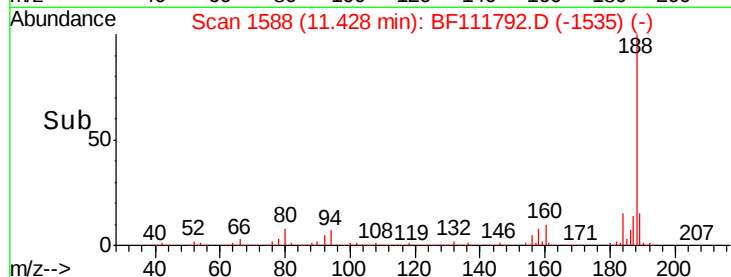
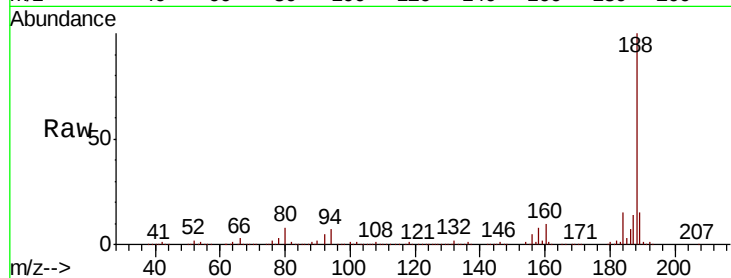




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

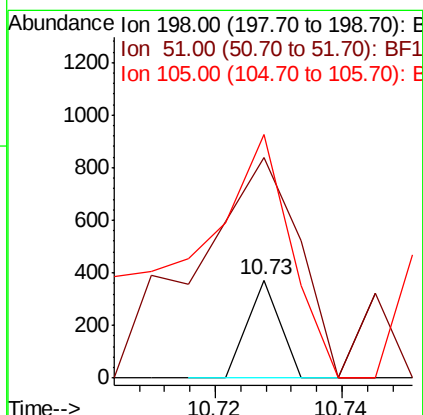
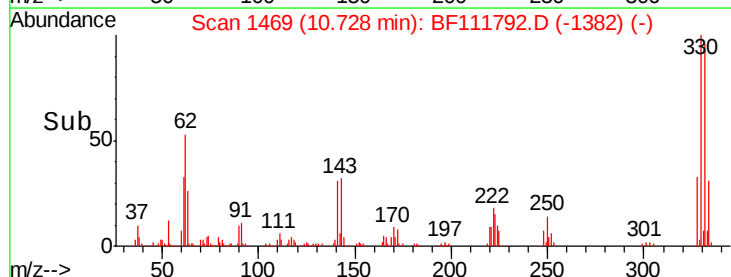
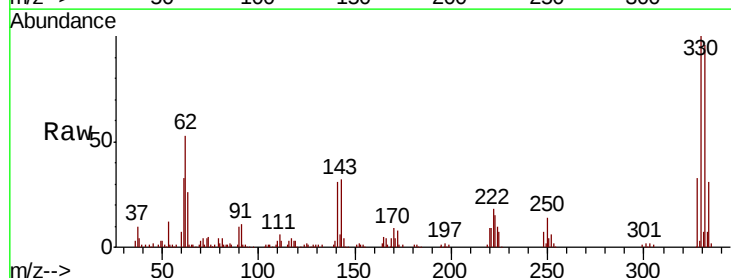
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-B

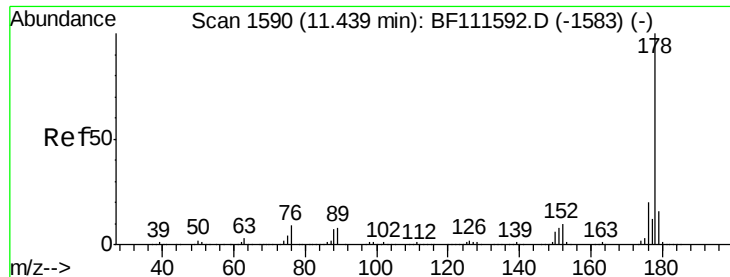
Tgt Ion:188 Resp: 341920
Ion Ratio Lower Upper
188 100
94 7.3 9.6 14.4#
80 8.3 9.8 14.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.773 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.21 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

Tgt Ion:198 Resp: 131
Ion Ratio Lower Upper
198 100
51 226.1 48.0 88.0#
105 248.9 34.0 74.0#

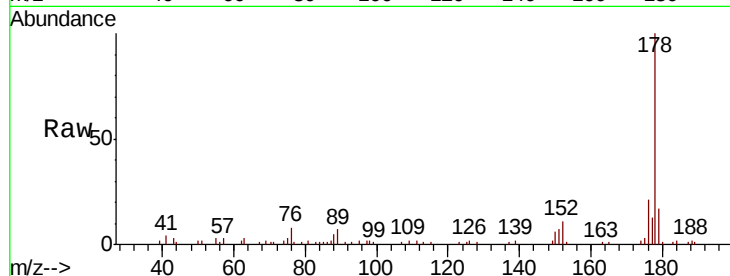




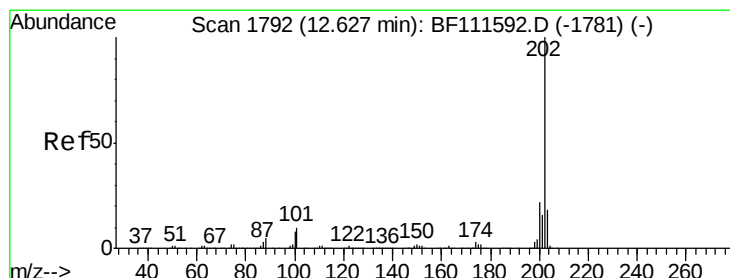
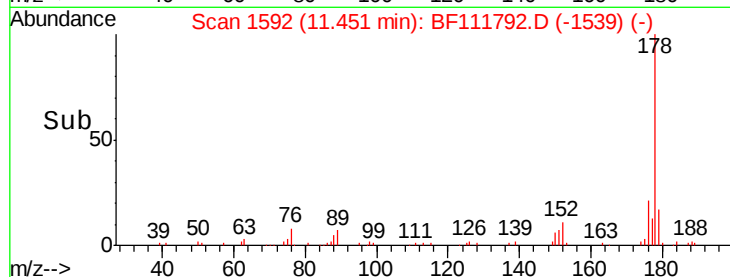
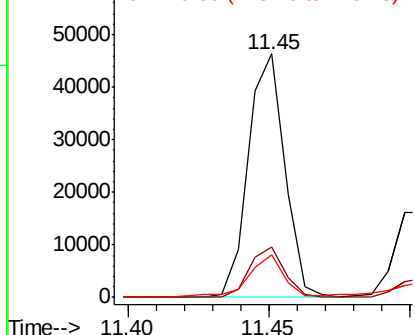
#71
Phenanthrene
Concen: 2.283 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

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

Tgt Ion:178 Resp: 41400
Ion Ratio Lower Upper
178 100
176 20.8 18.1 27.1
179 17.5 14.0 21.0

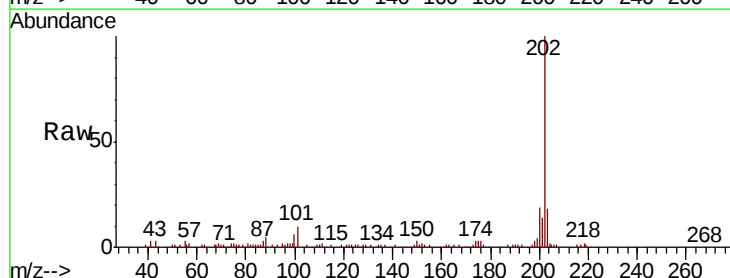


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

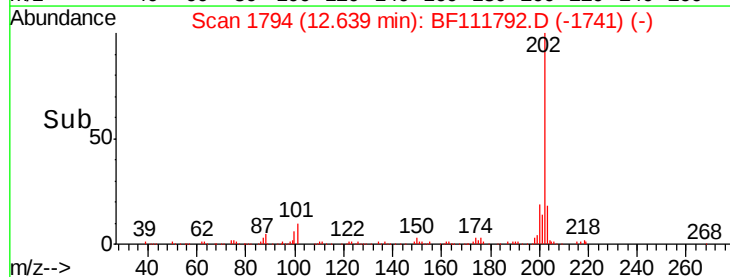
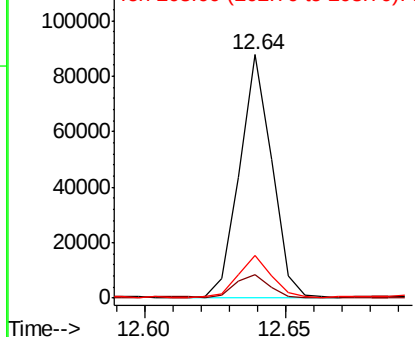


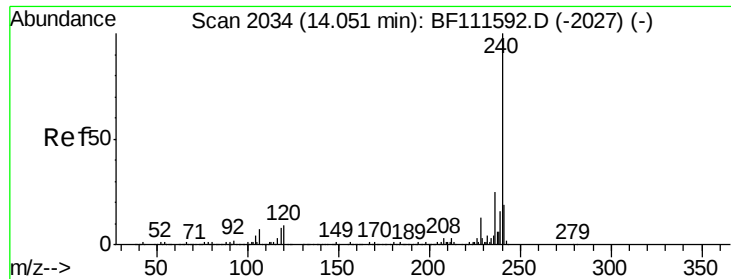
#75
Fluoranthene
Concen: 3.821 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.01 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

Tgt Ion:202 Resp: 70166
Ion Ratio Lower Upper
202 100
101 9.6 0.0 33.8
203 17.5 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

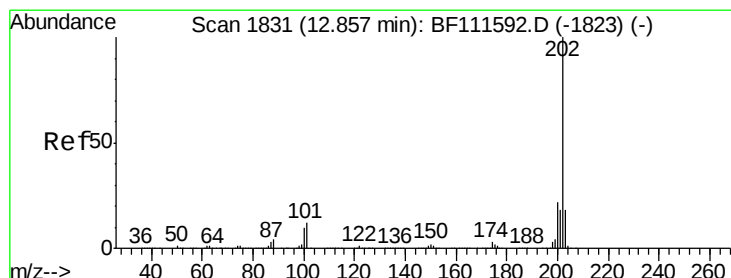
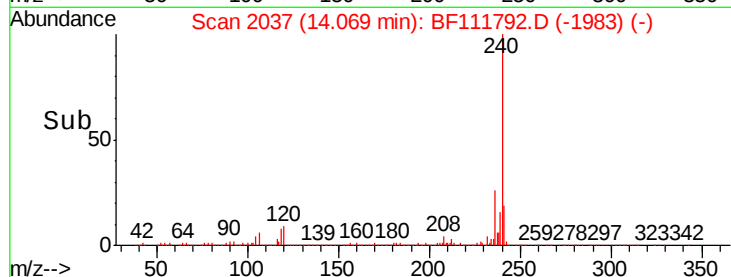
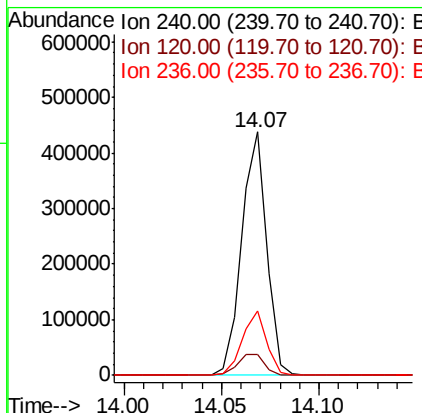
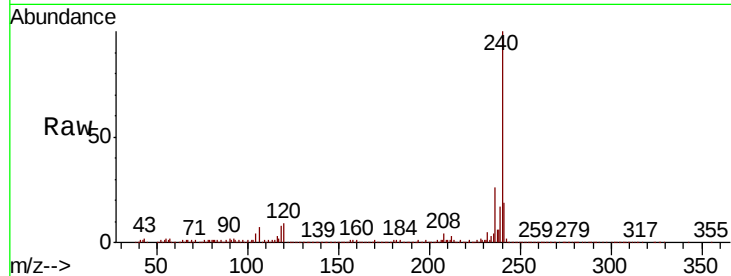




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

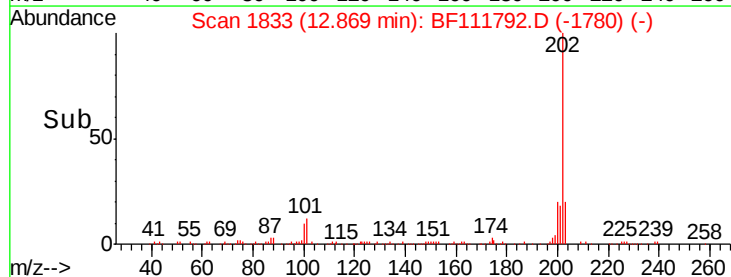
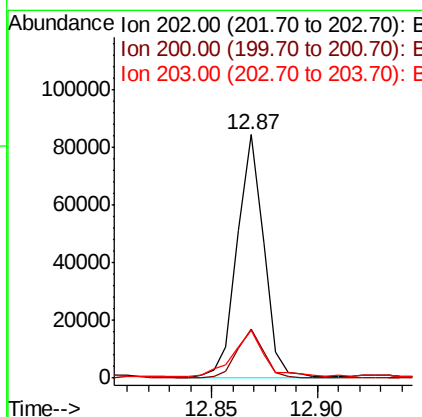
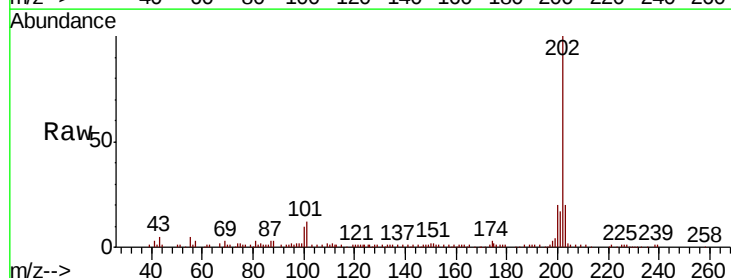
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-B

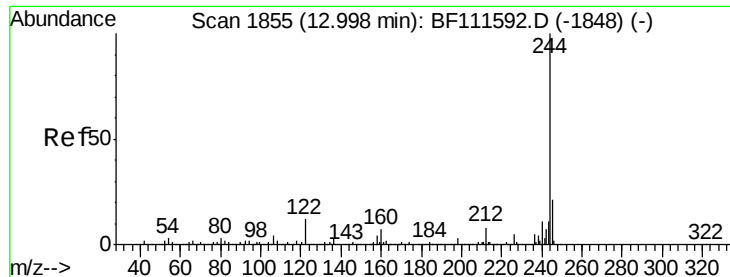
Tgt Ion:240 Resp: 386847
Ion Ratio Lower Upper
240 100
120 8.8 12.2 18.2#
236 26.3 20.2 30.2



#78
Pyrene
Concen: 2.669 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

Tgt Ion:202 Resp: 72904
Ion Ratio Lower Upper
202 100
200 20.3 19.0 28.4
203 19.9 15.2 22.8





#79

Terphenyl-d14

Concen: 25.448 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111792.D

Acq: 28 Dec 2018 16:50

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-B

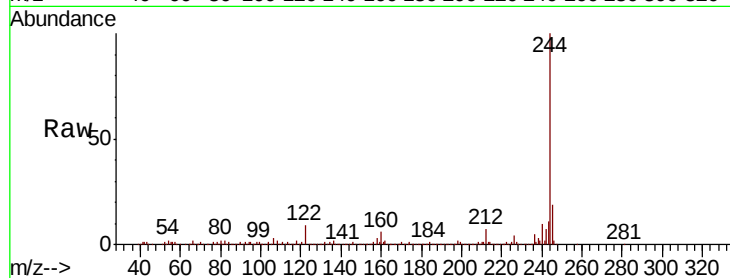
Tgt Ion:244 Resp: 519109

Ion Ratio Lower Upper

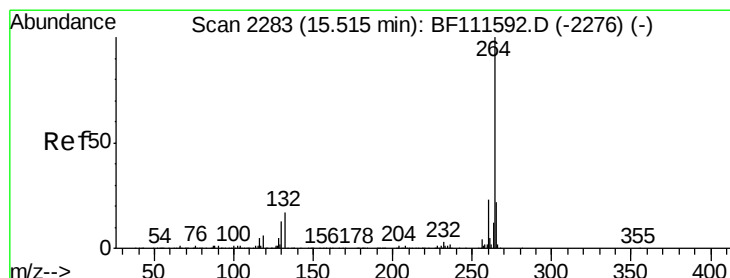
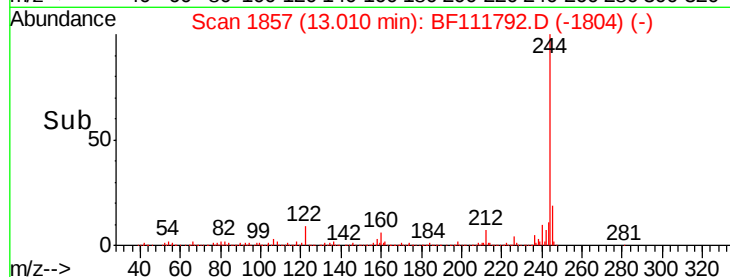
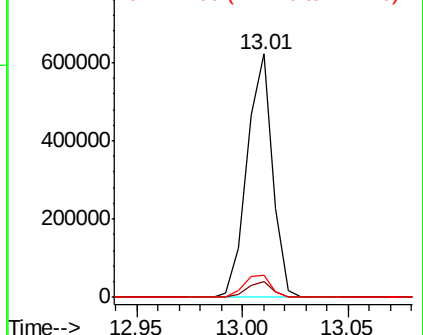
244 100

212 6.5 5.7 8.5

122 9.1 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.05 min

Lab File: BF111792.D

Acq: 28 Dec 2018 16:50

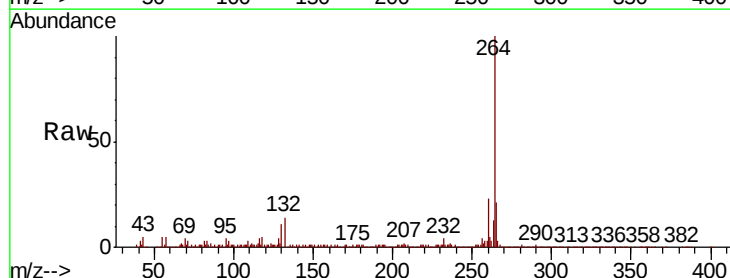
Tgt Ion:264 Resp: 316356

Ion Ratio Lower Upper

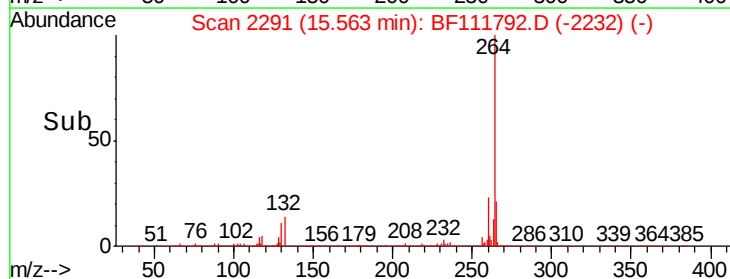
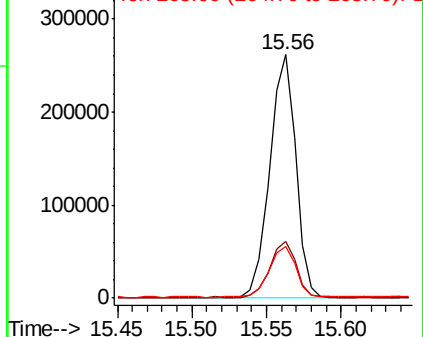
264 100

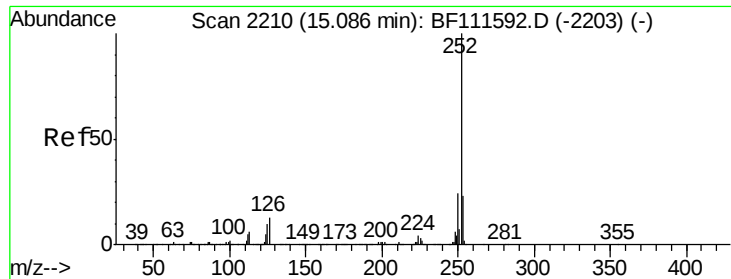
260 23.2 18.3 27.5

265 21.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

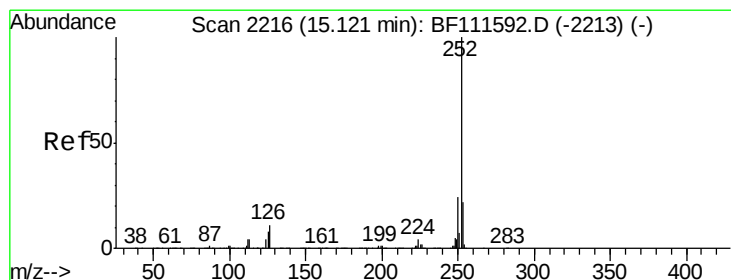
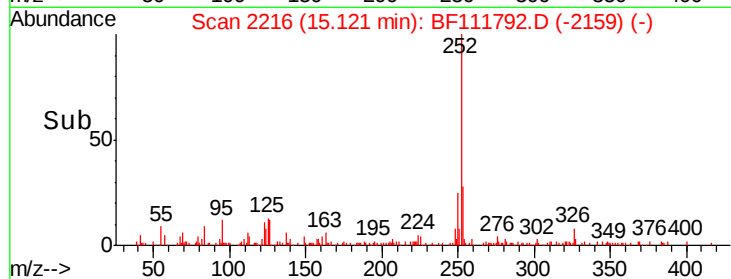
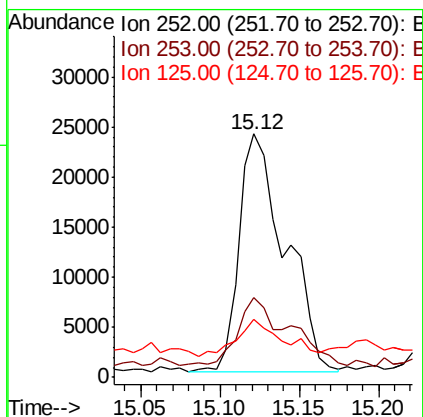
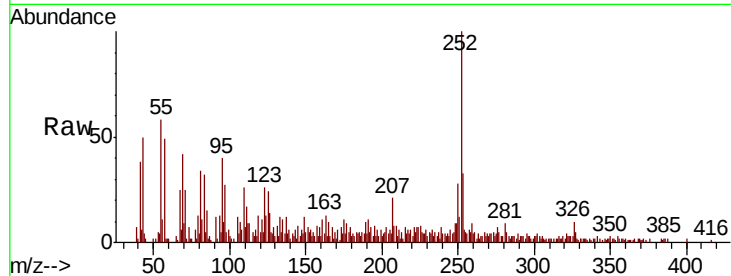




#88
Benzo(b)fluoranthene
Concen: 2.610 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.2	27.2#
125	24.0	10.4	15.6#



#89
Benzo(k)fluoranthene
Concen: 2.742 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF111792.D
Acq: 28 Dec 2018 16:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.1	27.1#
125	24.0	9.8	14.8#

