

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112837.D
 Acq On : 4 Mar 2019 21:07
 Operator : JU/SJ
 Sample : K1688-17 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-I

Quant Time: Mar 05 00:39:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

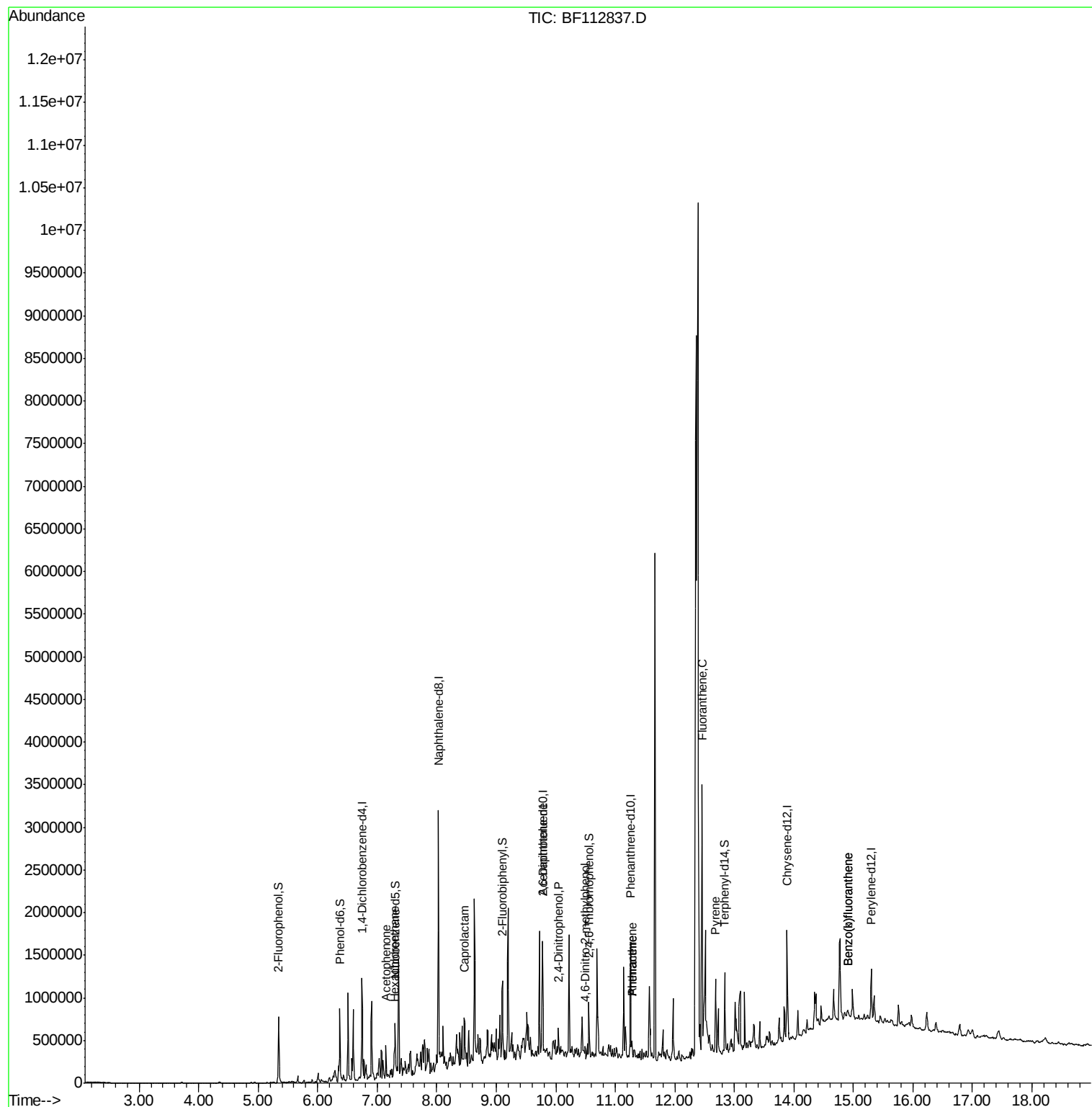
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	163536	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	569075	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	262931	20.00	ng	0.01
64) Phenanthrene-d10	11.26	188	490035	20.00	ng	0.01
76) Chrysene-d12	13.89	240	417570	20.00	ng	0.01
87) Perylene-d12	15.30	264	289544	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	226279	21.52	ng	0.00
7) Phenol-d6	6.37	99	309846	23.46	ng	0.00
23) Nitrobenzene-d5	7.30	82	170693	17.95	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	73922	26.48	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	301676	14.53	ng	0.00
79) Terphenyl-d14	12.84	244	306089	14.21	ng	0.01
Target Compounds						
18) Hexachloroethane	7.29	117	11293	2.432	ng	# 1
22) Acetophenone	7.15	105	29675	2.230	ng	# 41
35) Caprolactam	8.47	113	11524	4.116	ng	# 13
51) 2,6-Dinitrotoluene	9.77	165	39865	9.874	ng	# 21
54) 2,4-Dinitrophenol	10.04	184	246	6.590	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.49	198	110	4.662	ng	# 1
71) Phenanthrene	11.28	178	57948	2.377	ng	97
72) Anthracene	11.28	178	57948	2.271	ng	98
75) Fluoranthene	12.46	202	74986	2.871	ng	85
78) Pyrene	12.69	202	79439	2.257	ng	98
88) Benzo(b)fluoranthene	14.90	252	41955	2.240	ng	# 58
89) Benzo(k)fluoranthene	14.90	252	41955	2.473	ng	# 58

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

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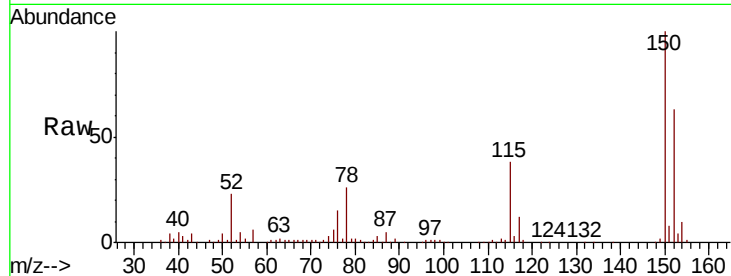


#1

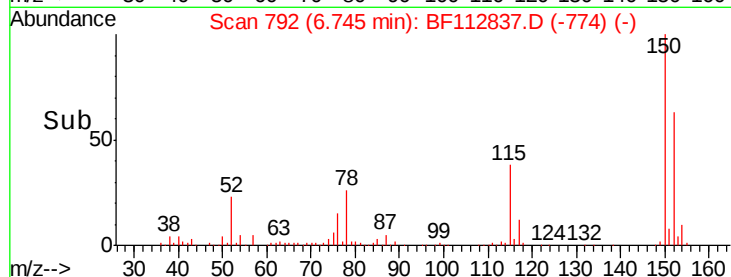
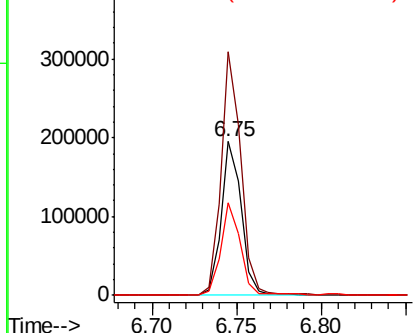
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-I

Tgt Ion:152 Resp: 163536
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.2 186.2
 115 60.4 48.2 72.4



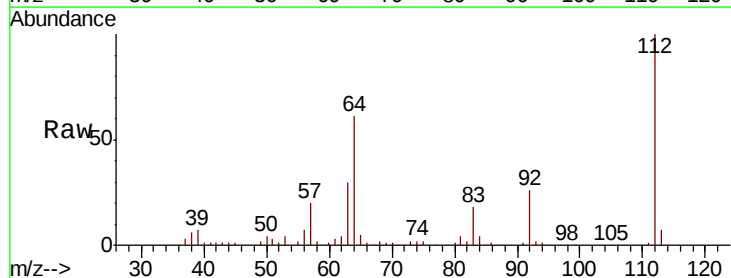
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



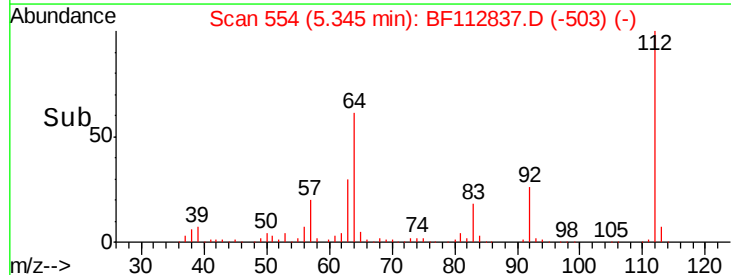
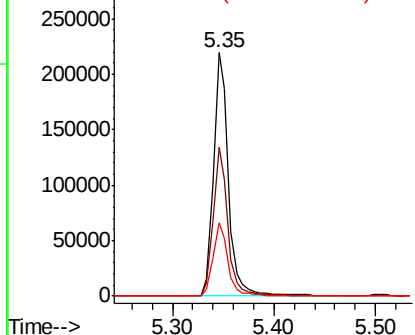
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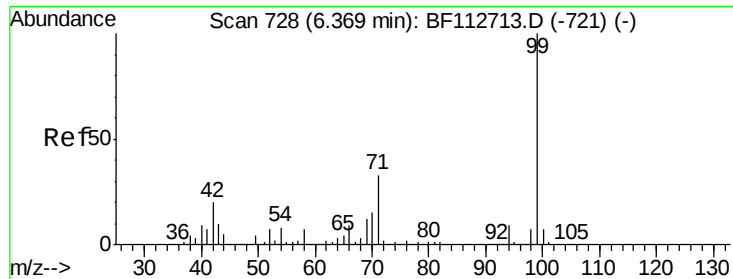
2-Fluorophenol
 Concen: 21.524 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

Tgt Ion:112 Resp: 226279
 Ion Ratio Lower Upper
 112 100
 64 61.2 47.6 71.4
 63 30.4 24.4 36.6



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: 23.462 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112837.D

Acq: 4 Mar 2019 21:07

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-I

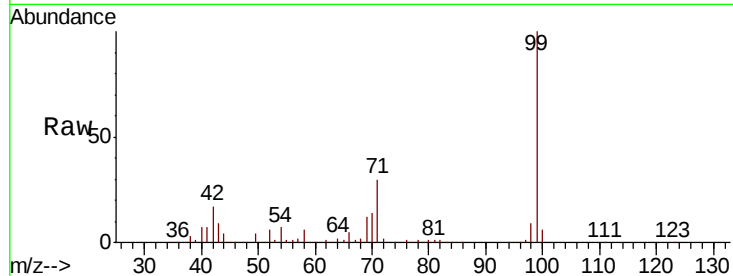
Tgt Ion: 99 Resp: 309846

Ion Ratio Lower Upper

99 100

42 17.3 16.3 24.5

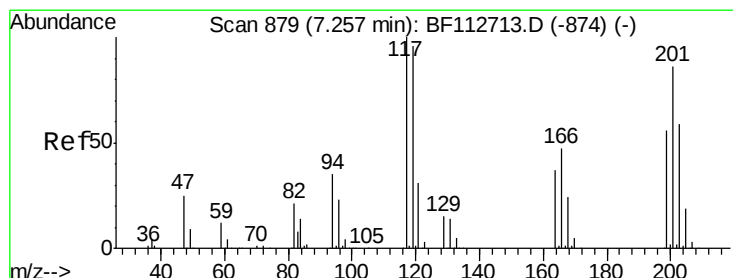
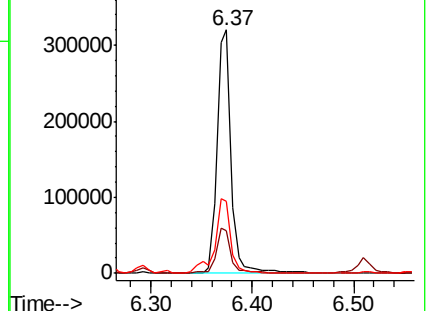
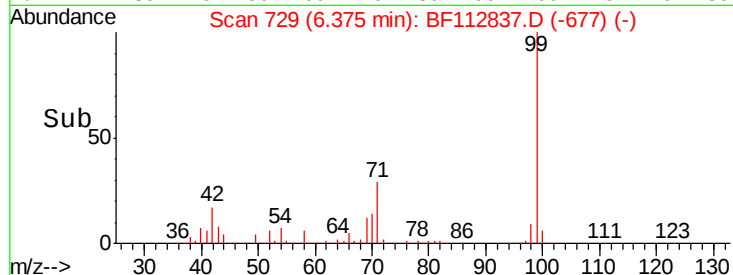
71 29.8 26.2 39.4



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



#18

Hexachloroethane

Concen: 2.432 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.03 min

Lab File: BF112837.D

Acq: 4 Mar 2019 21:07

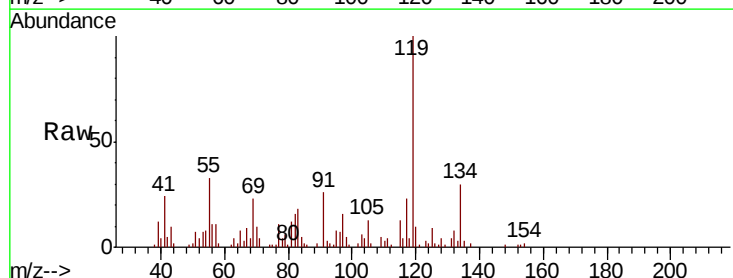
Tgt Ion: 117 Resp: 11293

Ion Ratio Lower Upper

117 100

119 433.9 76.6 115.0#

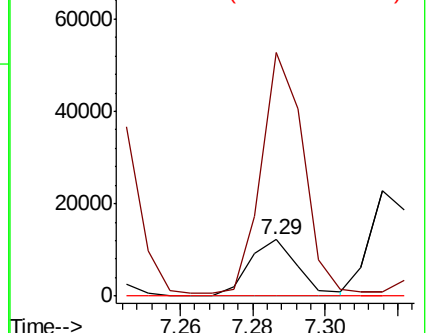
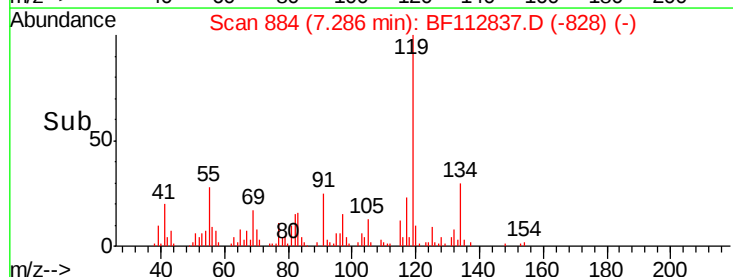
201 0.0 68.9 103.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

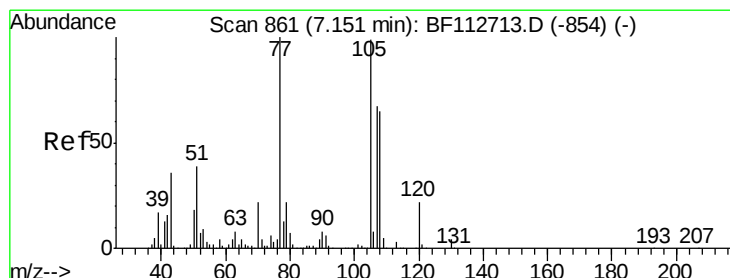
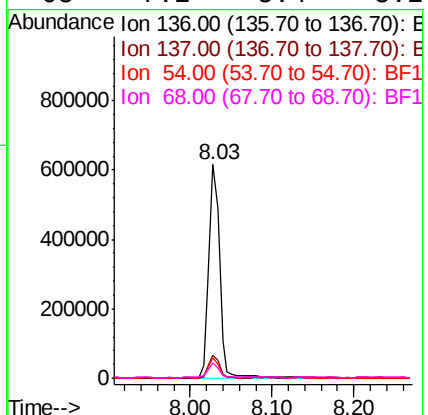
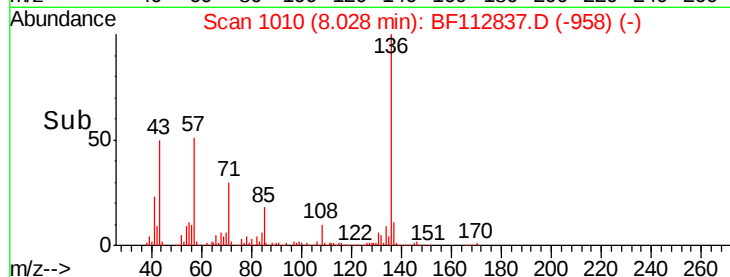
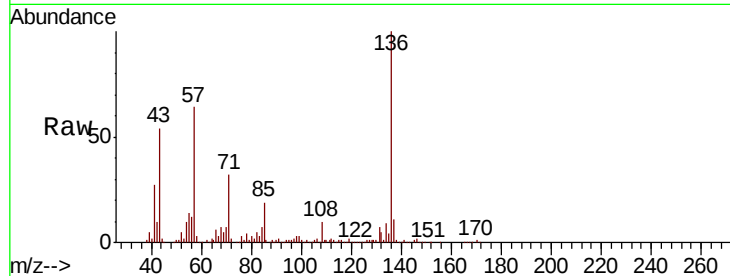




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

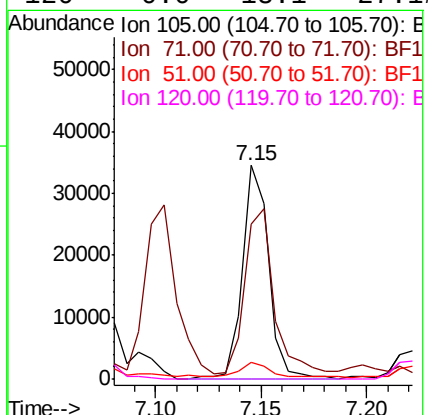
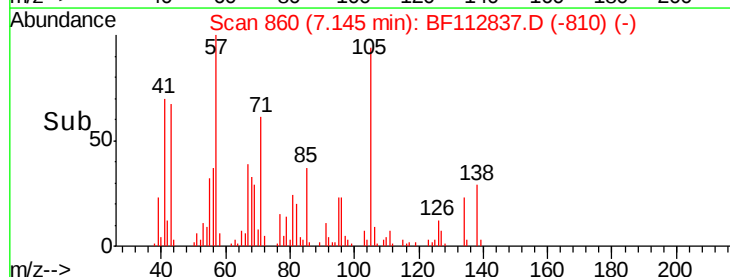
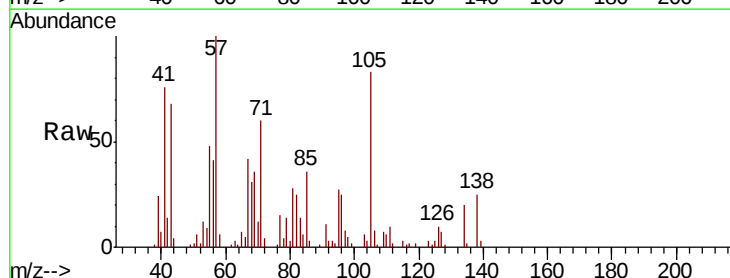
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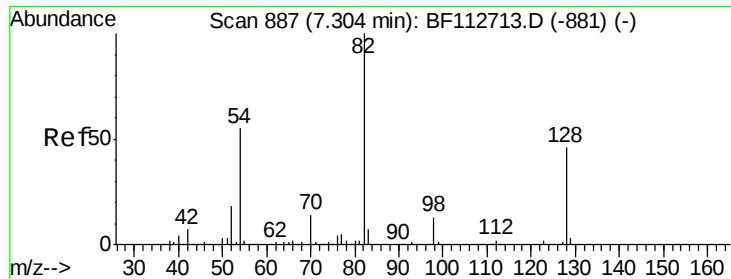
Tgt Ion:	136	Resp:	569075
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.8	7.3	10.9
68	7.2	5.4	8.2



#22
Acetophenone
Concen: 2.230 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Tgt Ion:	105	Resp:	29675
Ion	Ratio	Lower	Upper
105	100		
71	72.5	3.0	4.4#
51	7.5	31.5	47.3#
120	0.0	18.1	27.1#

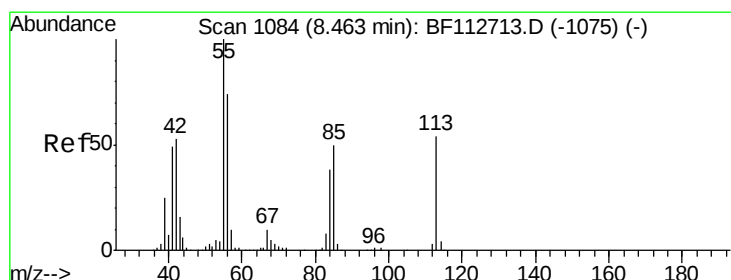
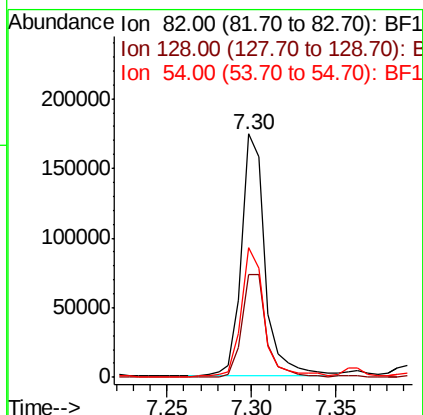
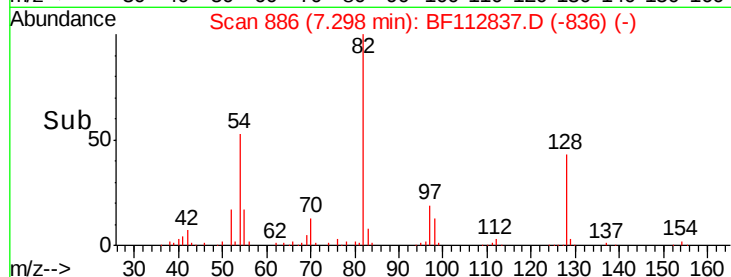
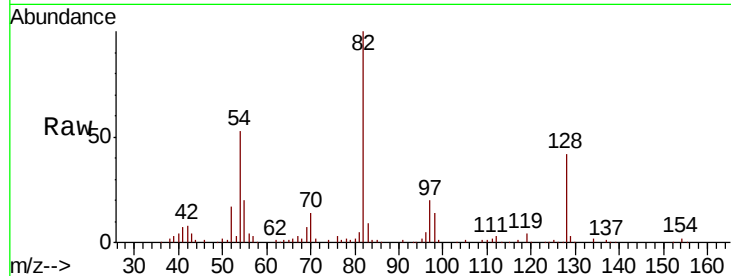




#23
Nitrobenzene-d5
Concen: 17.948 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

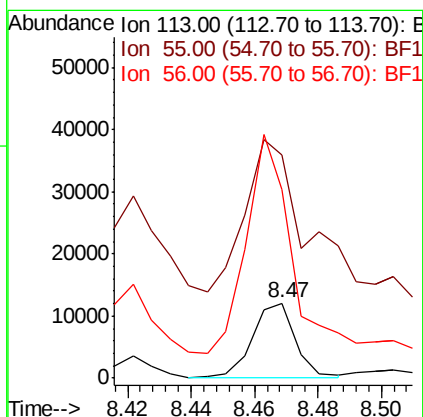
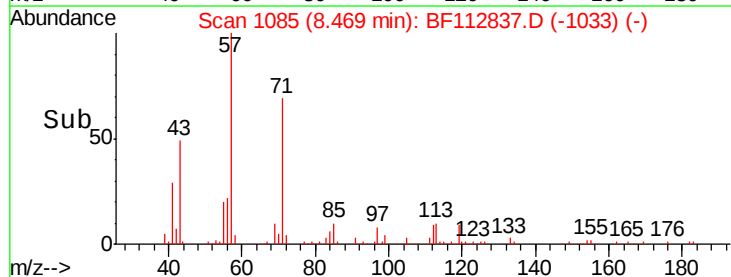
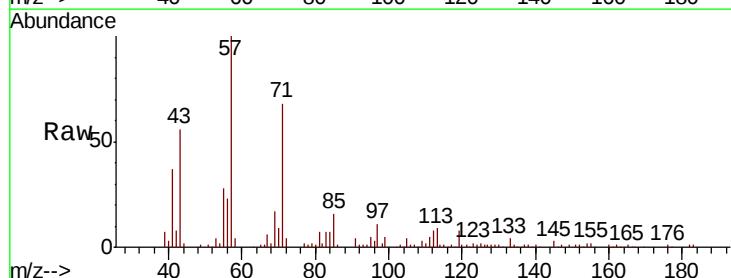
Instrument :
BNA_F
ClientSampleId :
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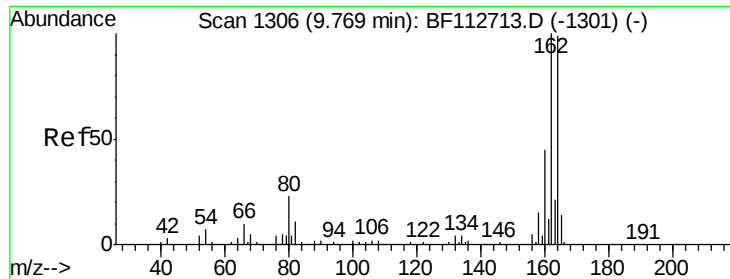
Tgt Ion: 82 Resp: 170693
Ion Ratio Lower Upper
82 100
128 42.0 36.3 54.5
54 53.2 43.7 65.5



#35
Caprolactam
Concen: 4.116 ng
RT: 8.47 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Tgt Ion: 113 Resp: 11524
Ion Ratio Lower Upper
113 100
55 297.6 163.5 203.5#
56 251.5 115.3 155.3#

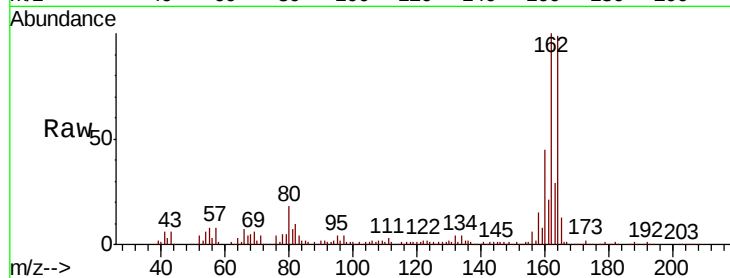




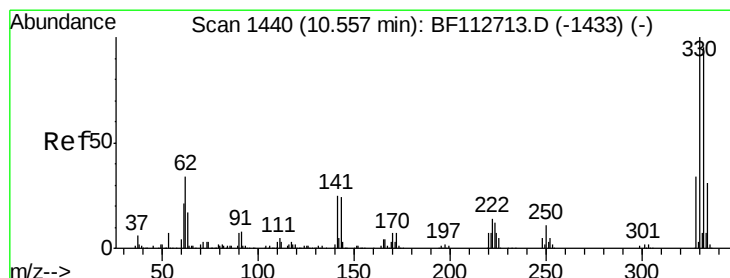
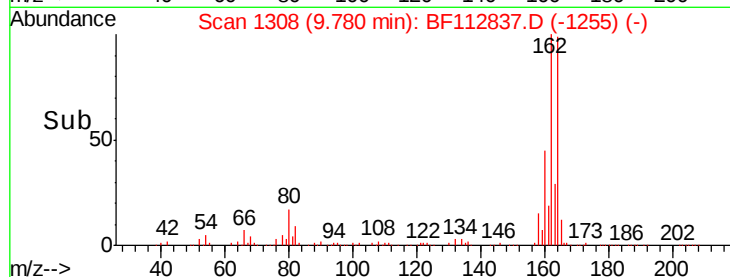
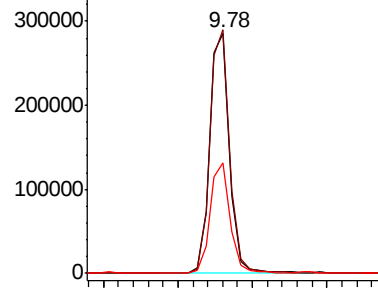
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-I

Tgt Ion:164 Resp: 262931
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 45.9 36.0 54.0

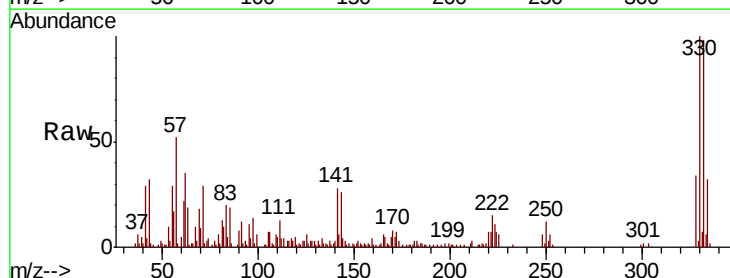


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

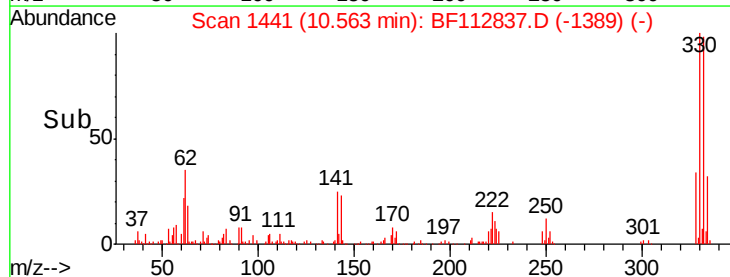
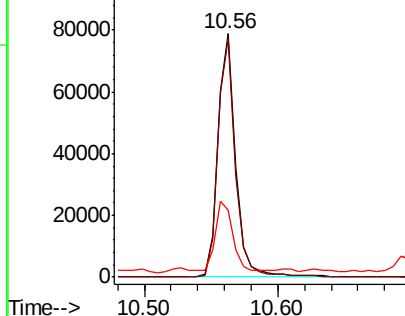


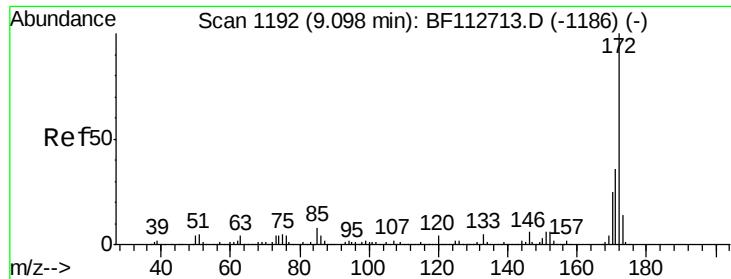
#42
2,4,6-Tribromophenol
Concen: 26.483 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Tgt Ion:330 Resp: 73922
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 27.5 27.0 40.6



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

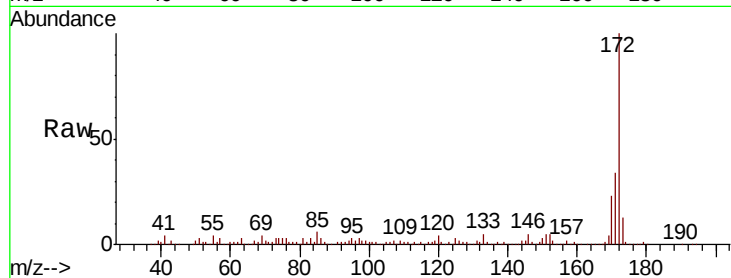




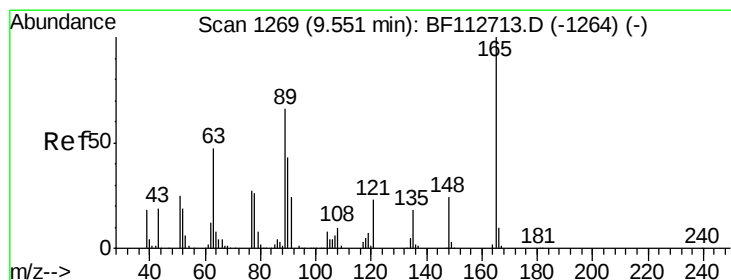
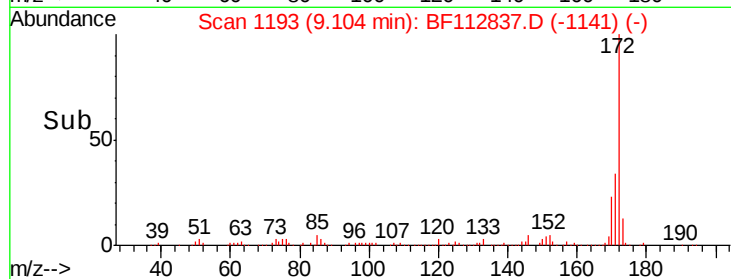
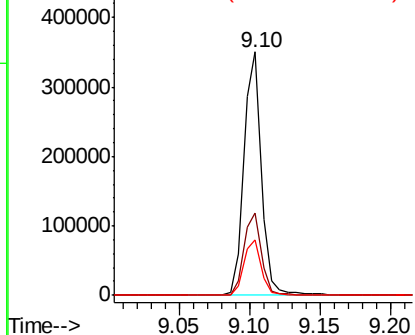
#45
2-Fluorobiphenyl
Concen: 14.529 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-I

Tgt Ion:172 Resp: 301676
Ion Ratio Lower Upper
172 100
171 34.0 29.0 43.4
170 23.0 20.0 30.0

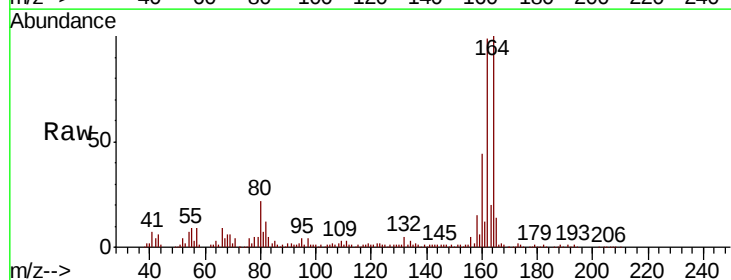


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

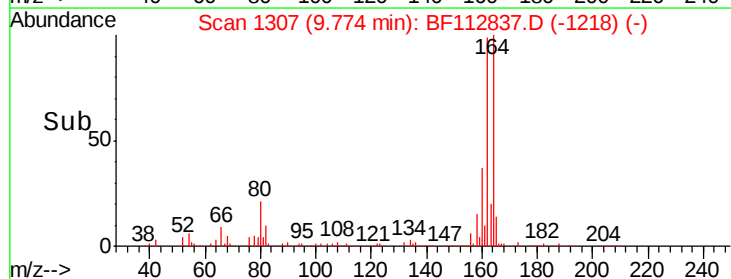
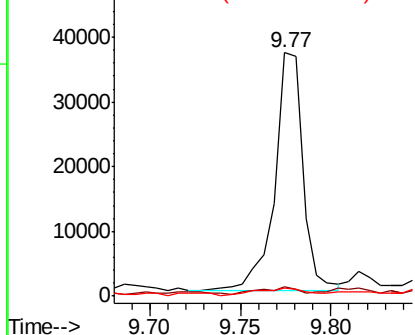


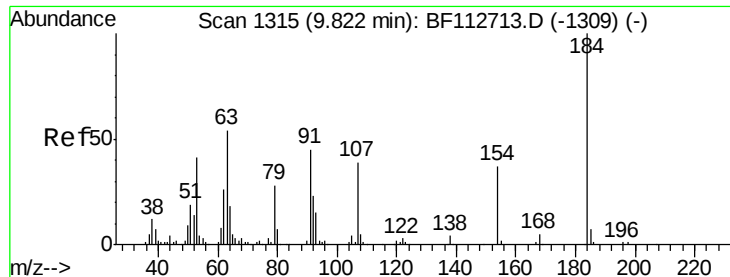
#51
2,6-Dinitrotoluene
Concen: 9.874 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Tgt Ion:165 Resp: 39865
Ion Ratio Lower Upper
165 100
63 3.8 54.1 81.1#
89 3.3 52.8 79.2#



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

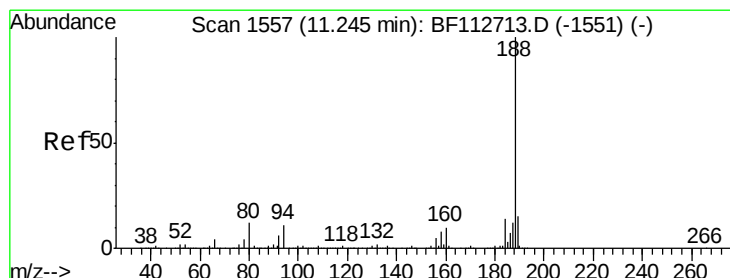
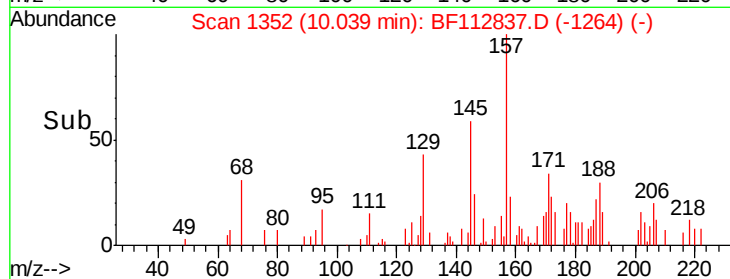
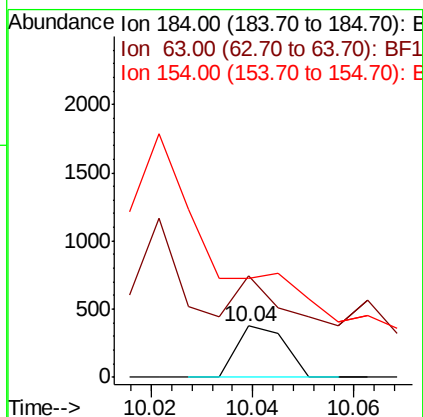
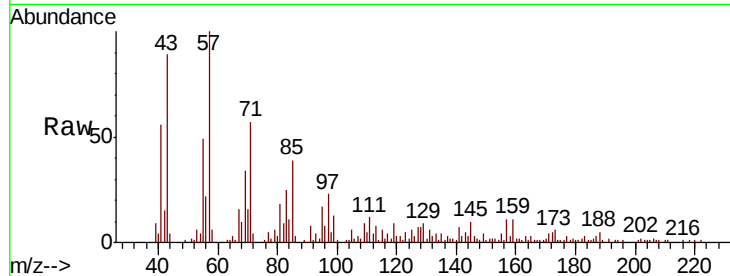




#54
 2,4-Dinitrophenol
 Concen: 6.590 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.22 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

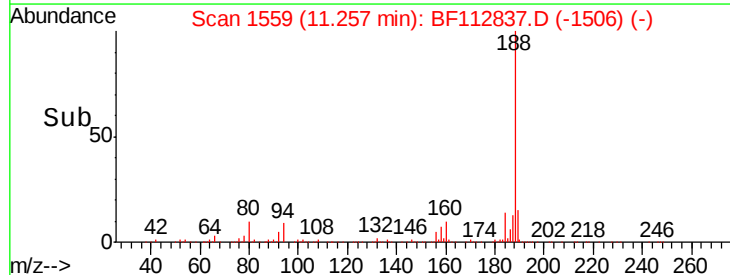
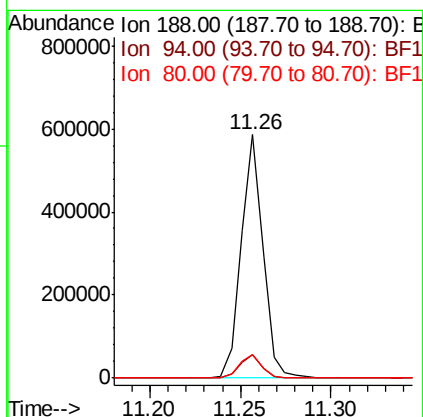
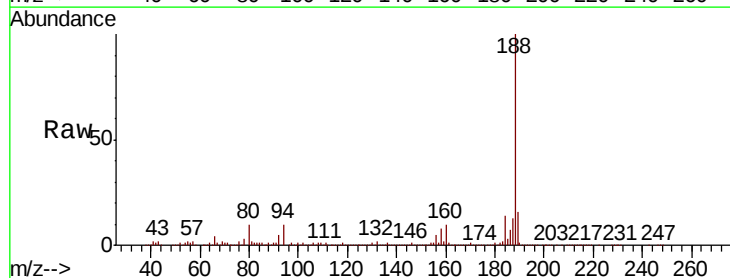
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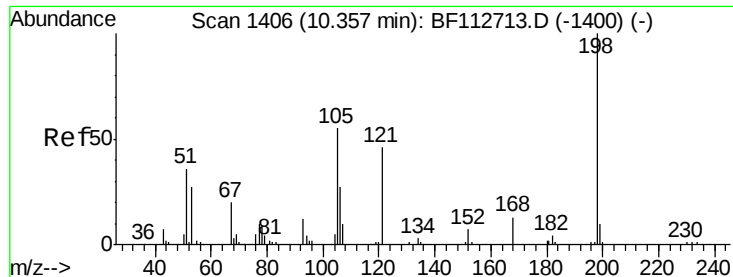
Tgt Ion:184 Resp: 246
 Ion Ratio Lower Upper
 184 100
 63 196.8 45.3 67.9#
 154 192.6 46.0 69.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

Tgt Ion:188 Resp: 490035
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.0 13.4
 80 9.8 9.2 13.8

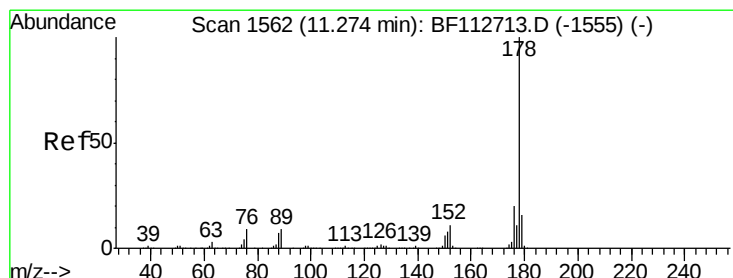
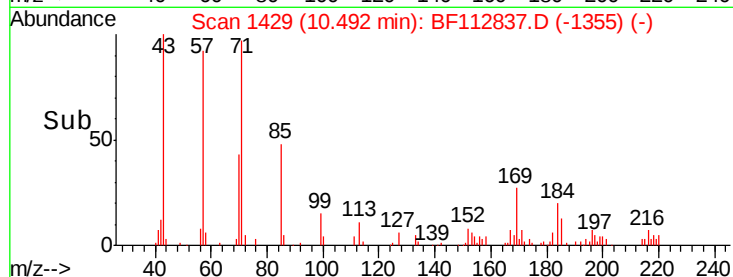
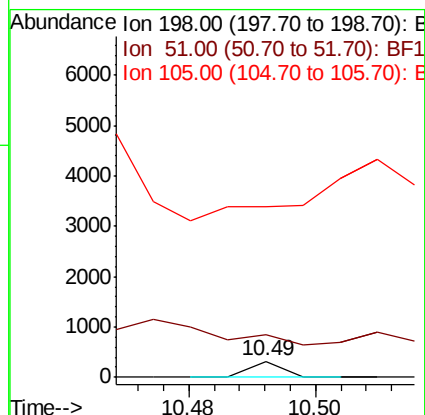
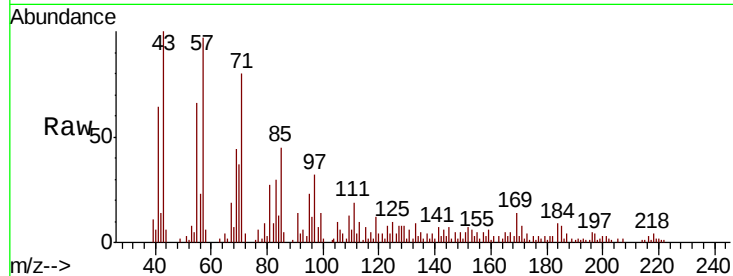




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.662 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.14 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

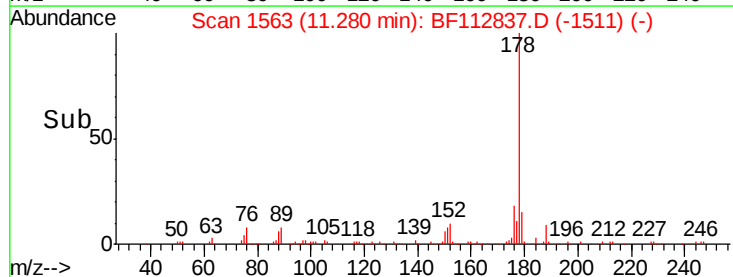
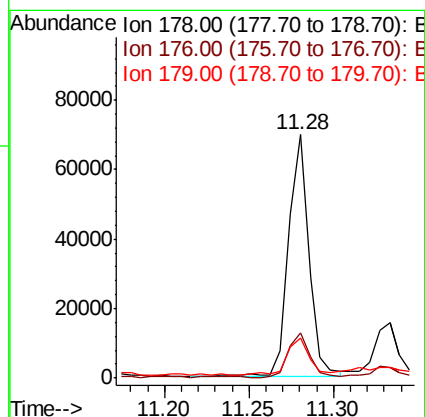
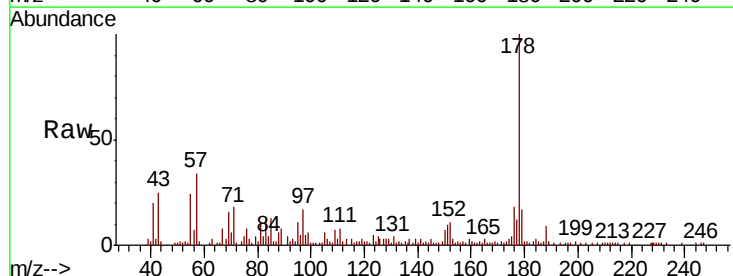
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-I

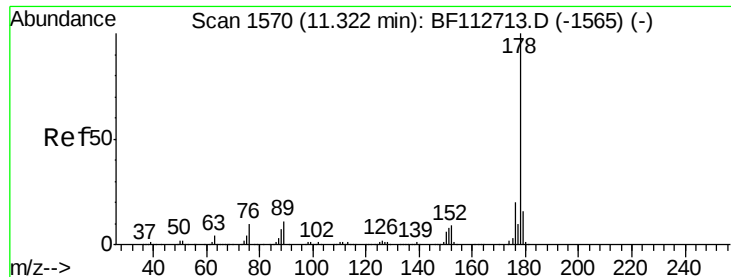
Tgt Ion:198 Resp: 110
 Ion Ratio Lower Upper
 198 100
 51 270.3 43.8 83.8#
 105 1083.7 36.5 76.5#



#71
 Phenanthrene
 Concen: 2.377 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

Tgt Ion:178 Resp: 57948
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.3 24.5
 179 16.7 12.7 19.1

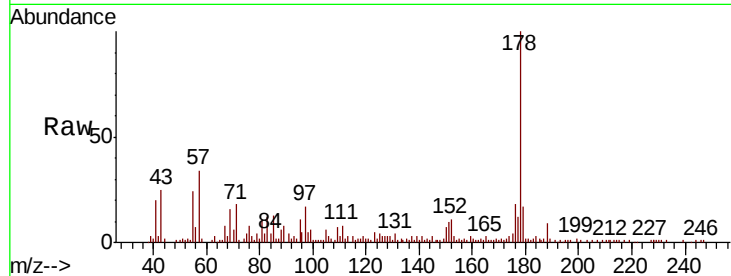




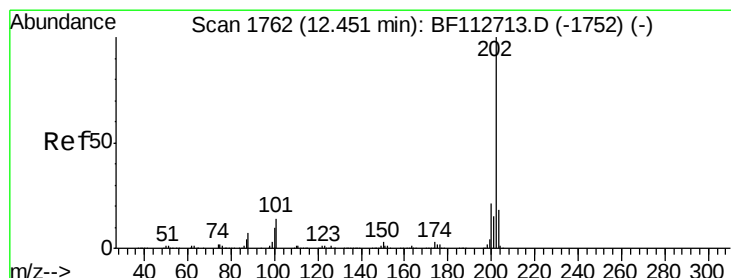
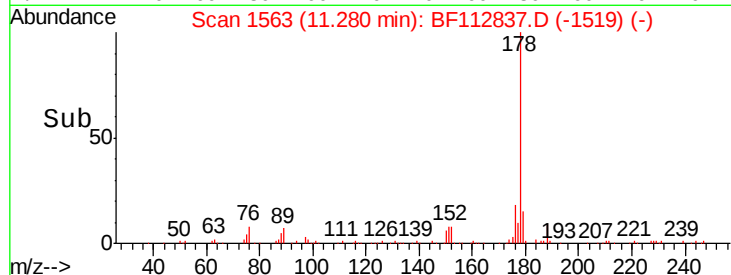
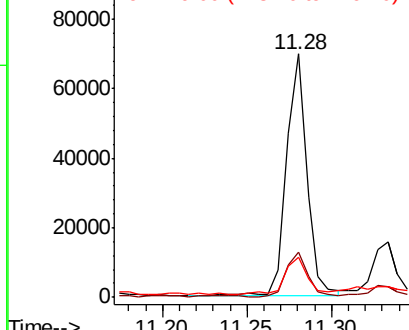
#72
 Anthracene
 Concen: 2.271 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.04 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-I

Tgt Ion:178 Resp: 57948
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.6
 179 16.7 13.0 19.6

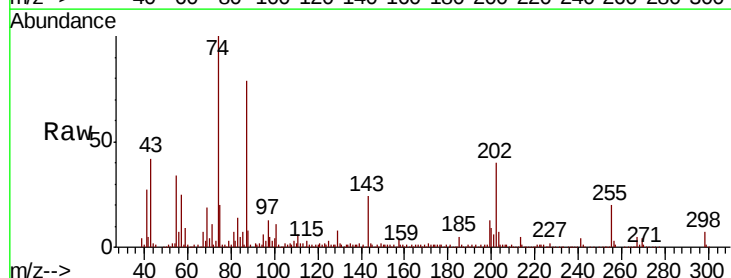


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

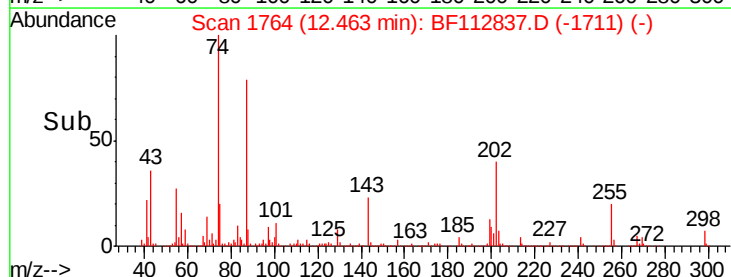
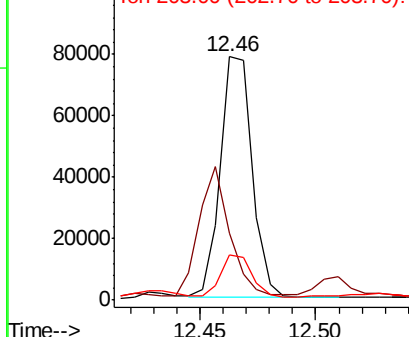


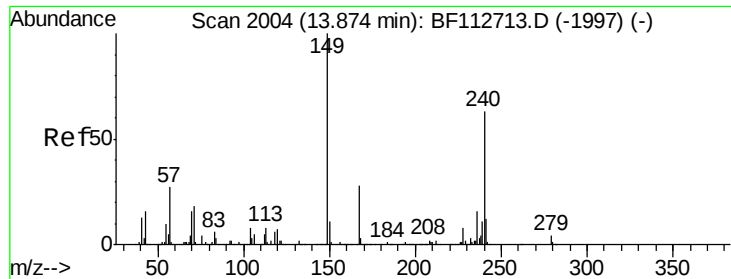
#75
 Fluoranthene
 Concen: 2.871 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: BF112837.D
 Acq: 4 Mar 2019 21:07

Tgt Ion:202 Resp: 74986
 Ion Ratio Lower Upper
 202 100
 101 27.6 0.0 33.8
 203 18.4 0.0 38.4



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

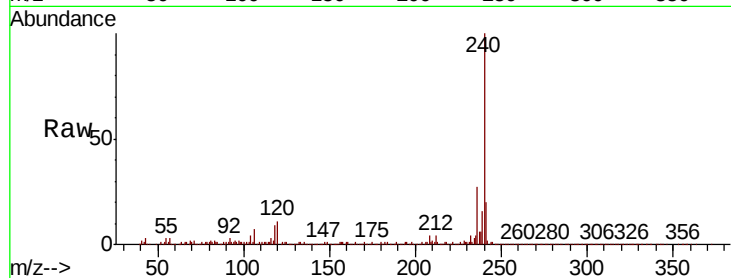




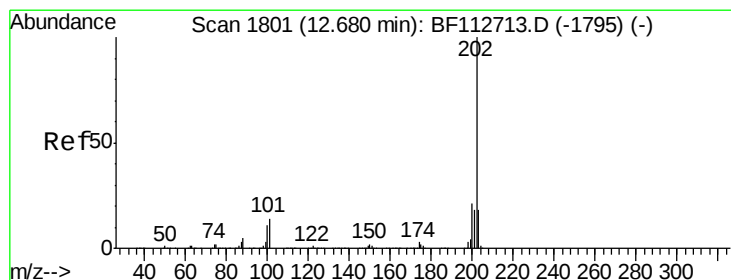
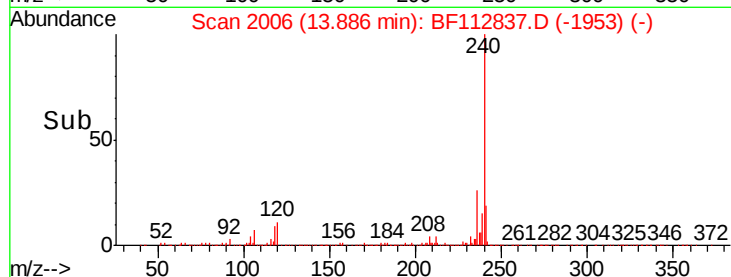
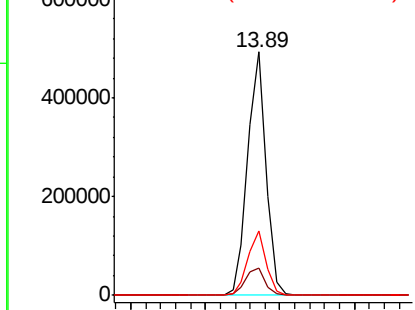
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-I

Tgt Ion:240 Resp: 417570
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 26.5 20.7 31.1

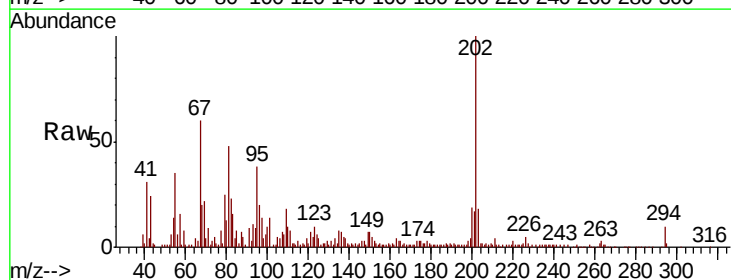


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

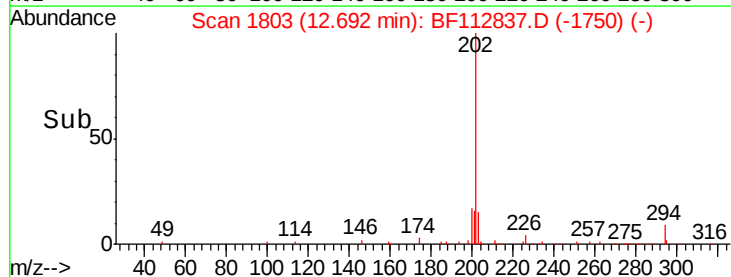
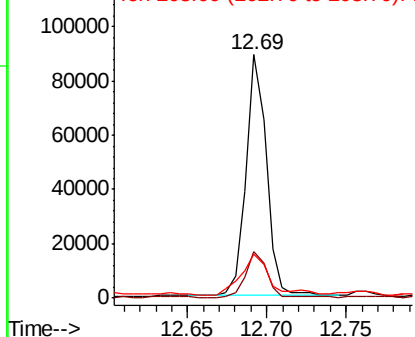


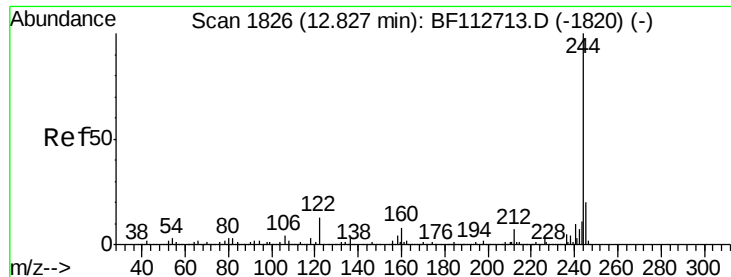
#78
Pyrene
Concen: 2.257 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF112837.D
Acq: 4 Mar 2019 21:07

Tgt Ion:202 Resp: 79439
Ion Ratio Lower Upper
202 100
200 19.2 17.0 25.4
203 18.0 14.4 21.6



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: 14.210 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF112837.D

Acq: 4 Mar 2019 21:07

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-I

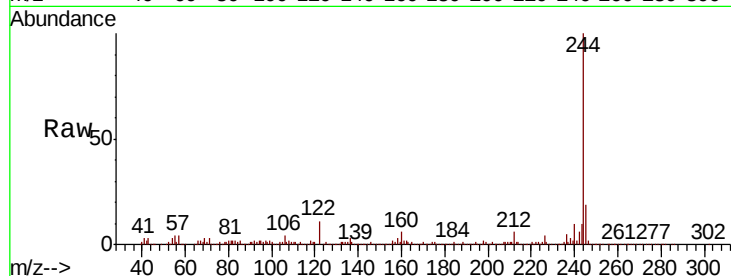
Tgt Ion:244 Resp: 306089

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

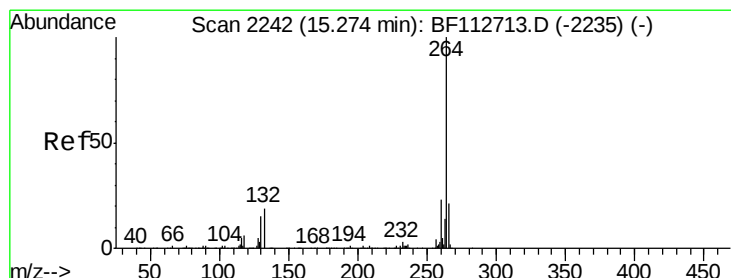
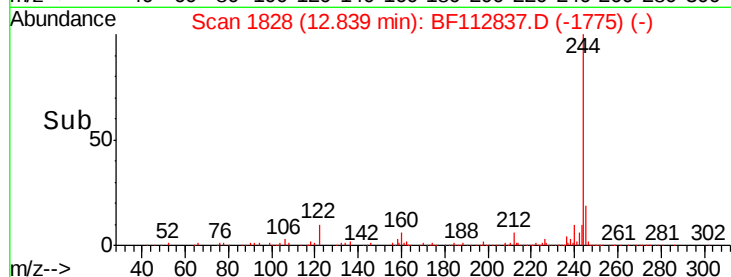
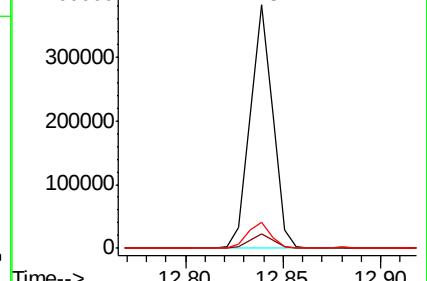
122 10.7 10.5 15.7



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: 15.30 min Scan# 2246

Delta R.T. 0.02 min

Lab File: BF112837.D

Acq: 4 Mar 2019 21:07

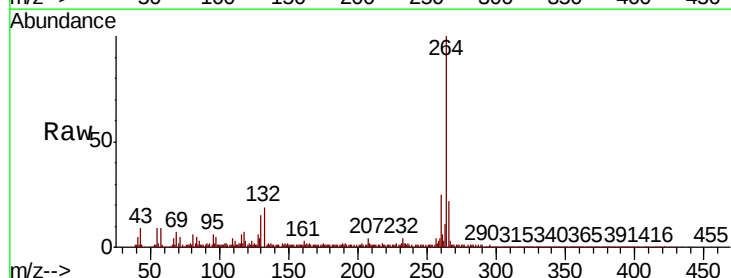
Tgt Ion:264 Resp: 289544

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

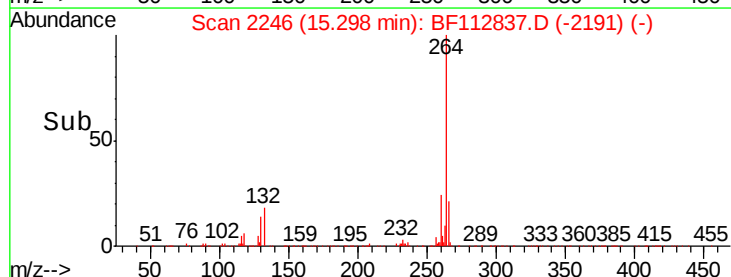
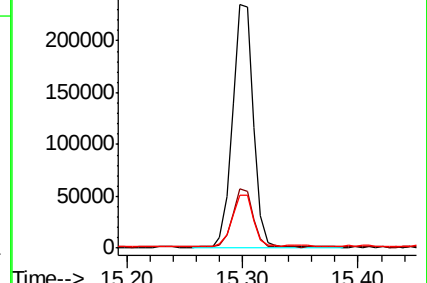
265 21.9 17.2 25.8

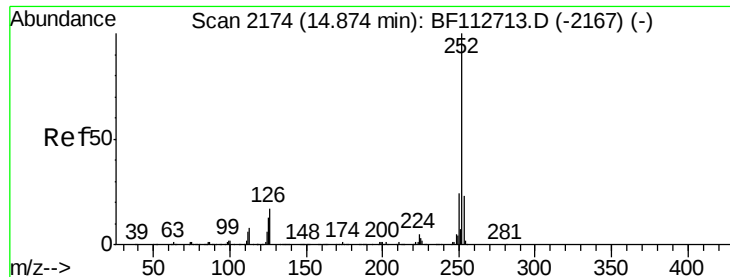


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.240 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.02 min

Lab File: BF112837.D

Acq: 4 Mar 2019 21:07

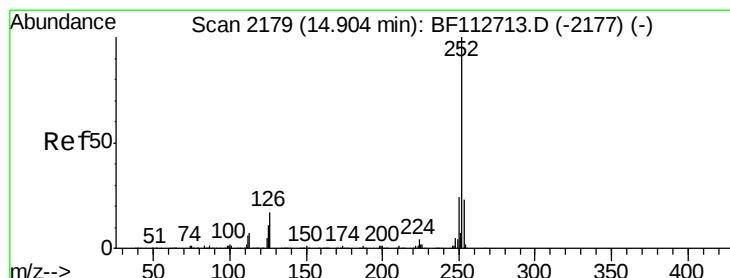
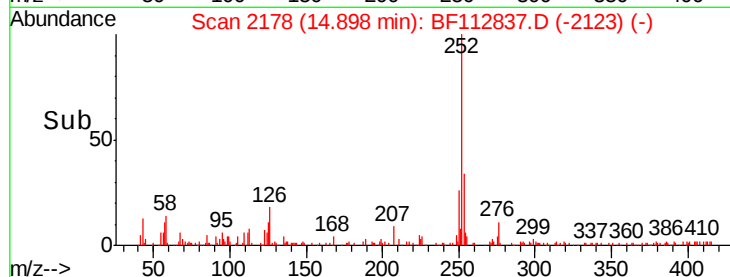
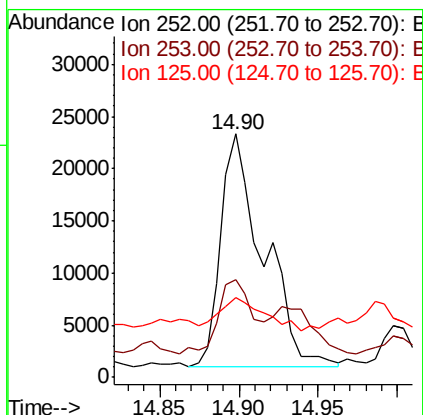
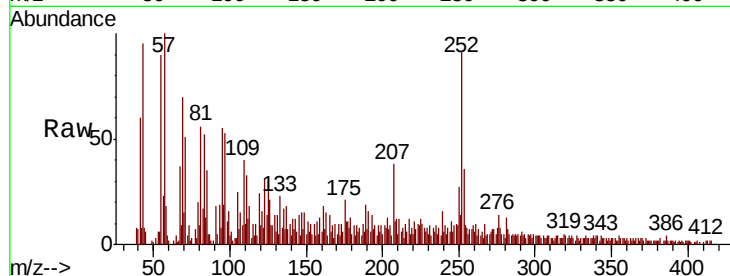
Instrument :

BNA_F

ClientSampleId :

JC-03-030119-I

Tgt Ion:	252	Resp:	41955
Ion Ratio	Lower	Upper	
252	100		
253	40.3	18.0	27.0#
125	32.6	10.2	15.2#



#89

Benzo(k)fluoranthene

Concen: 2.473 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF112837.D

Acq: 4 Mar 2019 21:07

Tgt Ion:	252	Resp:	41955
Ion Ratio	Lower	Upper	
252	100		
253	40.3	18.2	27.2#
125	32.6	9.8	14.6#

