

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108315.D
 Acq On : 21 Aug 2018 2:38
 Operator : JU/SJ
 Sample : J4542-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-024-A

Quant Time: Aug 21 04:46:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

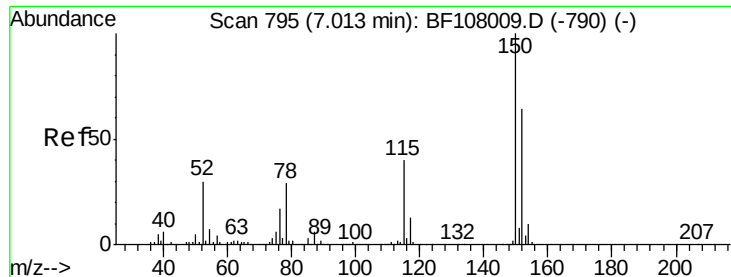
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	136366	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	470293	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	194321	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	357451	20.00	ng	0.00
75) Chrysene-d12	14.21	240	252497	20.00	ng	0.00
86) Perylene-d12	15.78	264	204427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	562592	74.69	ng	0.02
7) Phenol-d6	6.64	99	717032	71.64	ng	0.00
23) Nitrobenzene-d5	7.58	82	427514	50.73	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	141401	72.95	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	759633	62.76	ng	0.00
78) Terphenyl-d14	13.15	244	680701	68.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	58147	8.591	ng	# 81
25) Isophorone	7.58	82	427571	26.617	ng	# 64
49) Dimethylphthalate	9.77	163	50482	3.729	ng	# 98
50) 2,6-Dinitrotoluene	10.07	165	24785	8.752	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	24785	6.799	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	281	5.545	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	9136	2.352	ng	# 1
81) 3,3'-Dichlorobenzidine	14.22	252	29094	5.602	ng	# 1

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

```

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Misc       :
ALS Vial   : 27    Sample Multiplier: 1

```

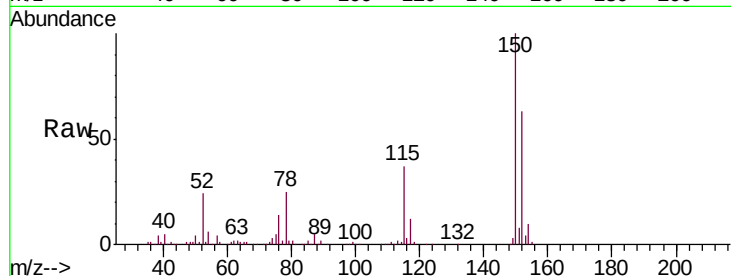


#1

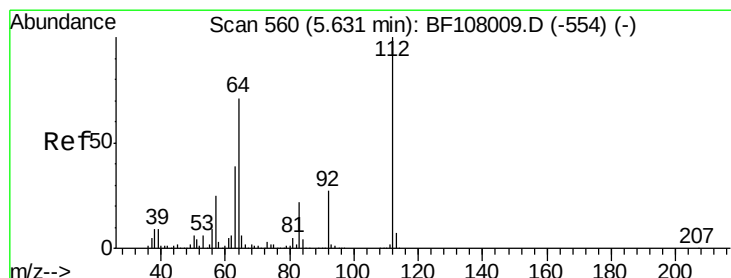
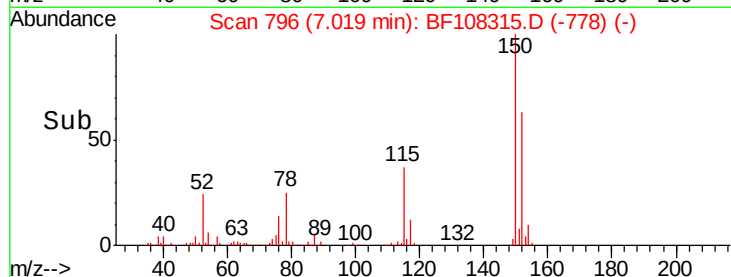
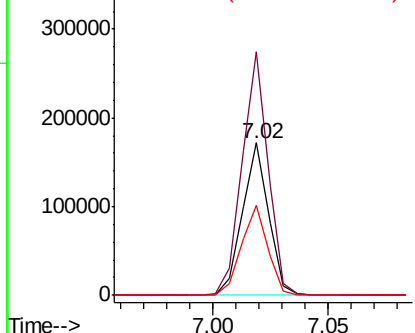
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108315.D
Acq: 21 Aug 2018 2:38

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-024-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	58.9	50.1	75.1



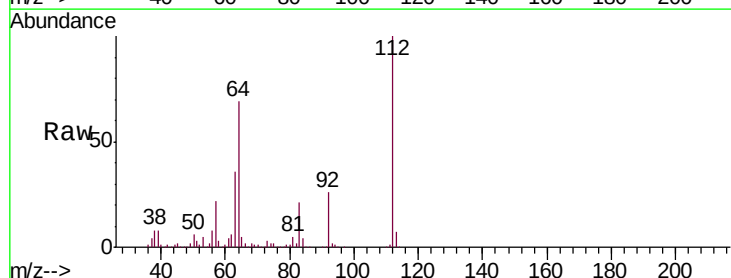
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



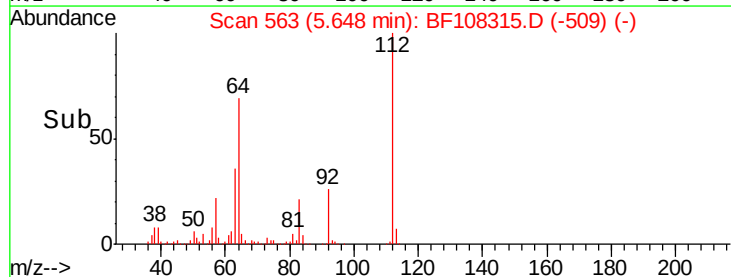
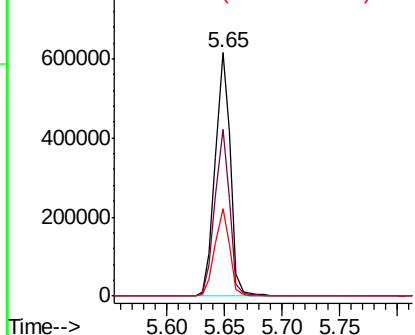
#5

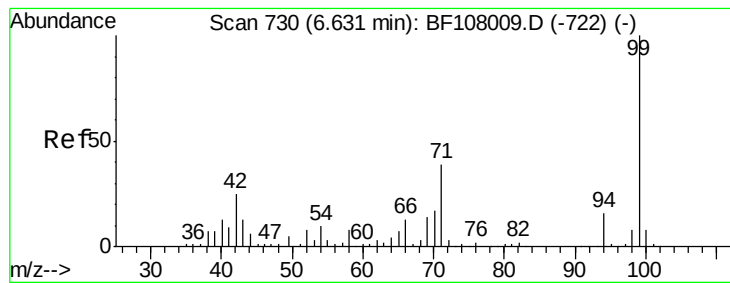
2-Fluorophenol
Concen: 74.692 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108315.D
Acq: 21 Aug 2018 2:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	36.0	23.7	35.5#



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: 71.637 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-024-A

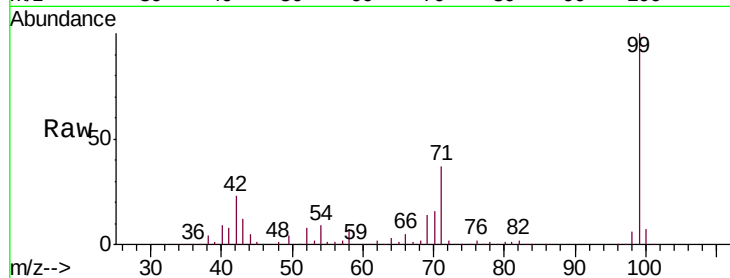
Tgt Ion: 99 Resp: 717032

Ion Ratio Lower Upper

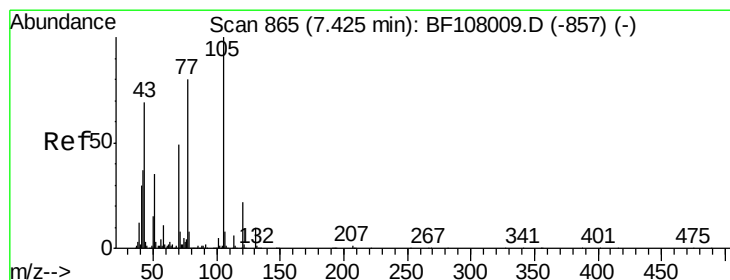
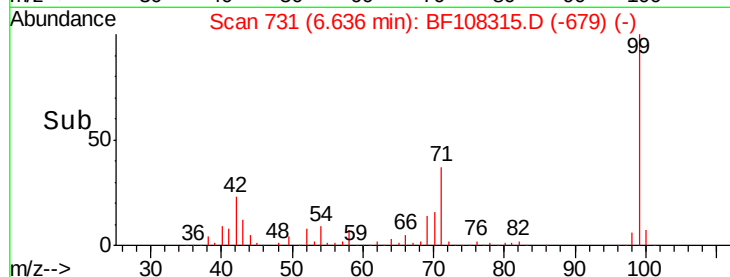
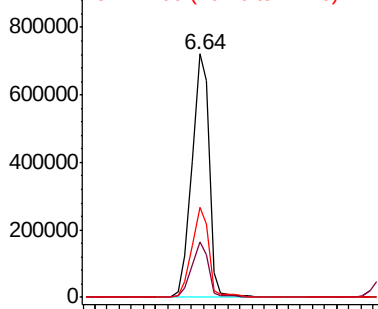
99 100

42 22.7 14.5 21.7#

71 36.8 25.4 38.0



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: 8.591 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Tgt Ion: 70 Resp: 58147

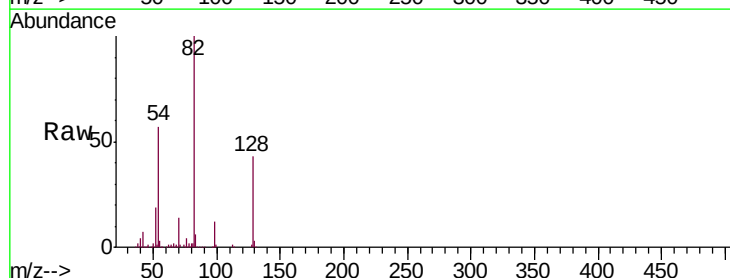
Ion Ratio Lower Upper

70 100

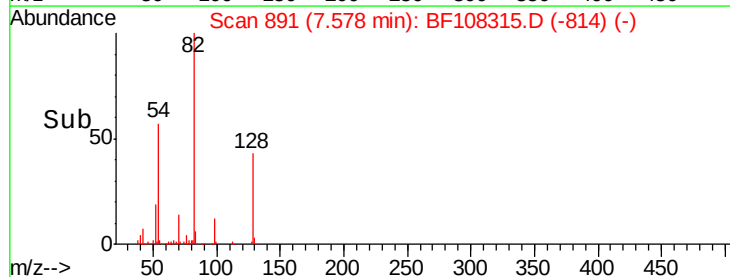
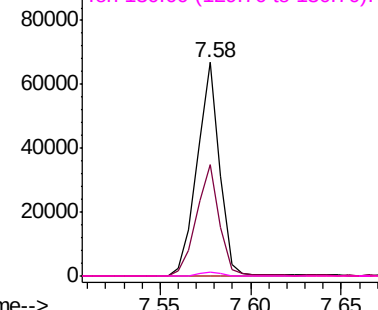
42 52.0 47.5 71.3

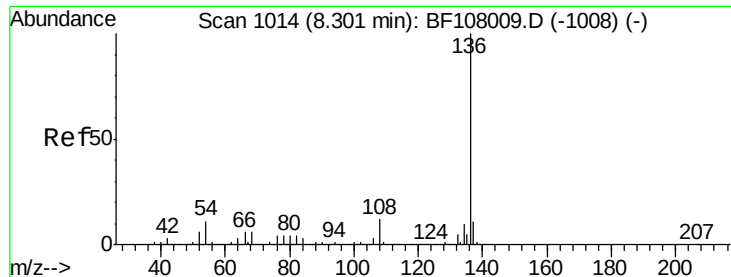
101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



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): BF1
Ion 130.00 (129.70 to 130.70): BF1

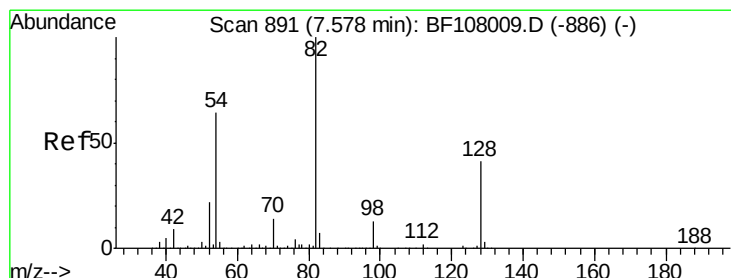
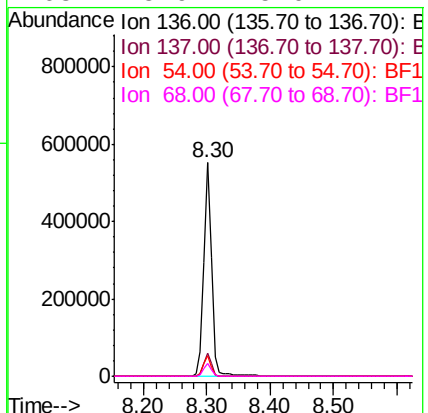
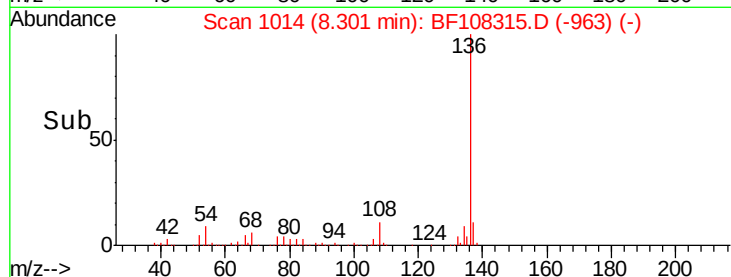
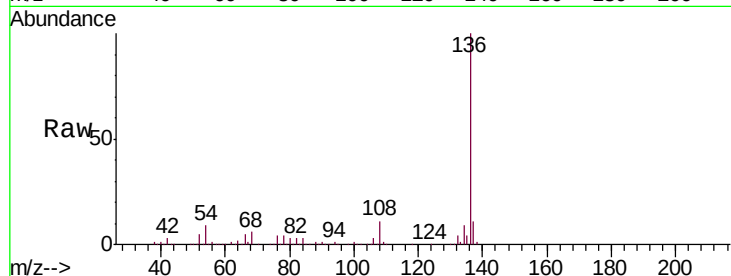




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108315.D
Acq: 21 Aug 2018 2:38

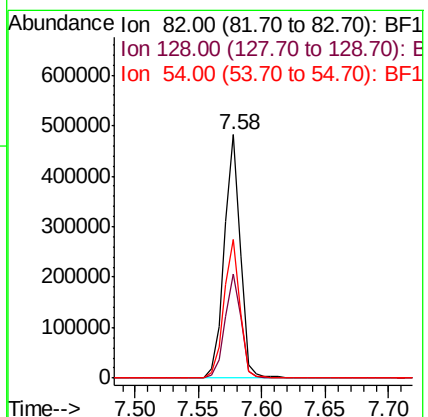
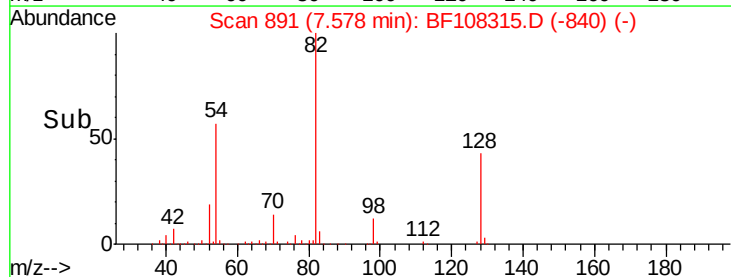
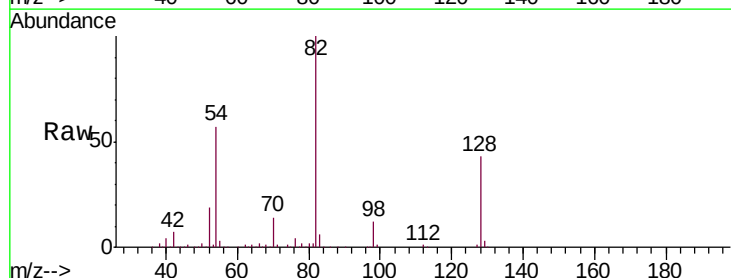
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-024-A

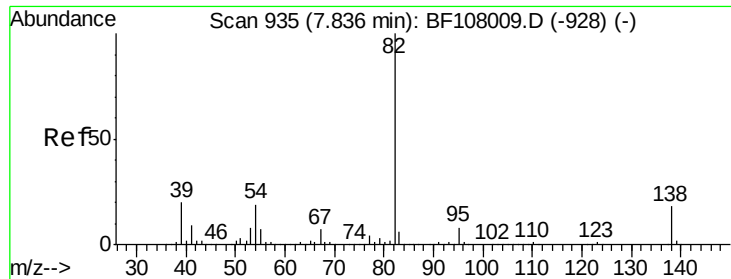
Tgt Ion:	136	Resp:	470293
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.3	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 50.726 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108315.D
Acq: 21 Aug 2018 2:38

Tgt Ion:	82	Resp:	427514
Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	57.2	41.4	62.2





#25

Isophorone

Concen: 26.617 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-024-A

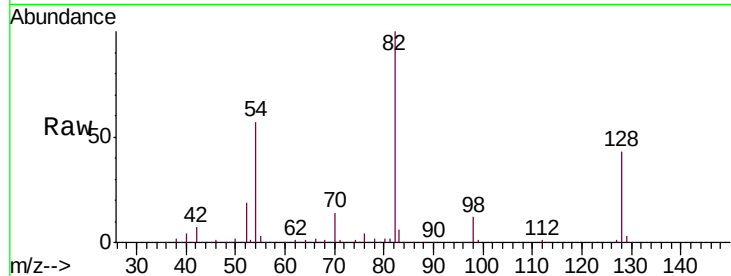
Tgt Ion: 82 Resp: 427571

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

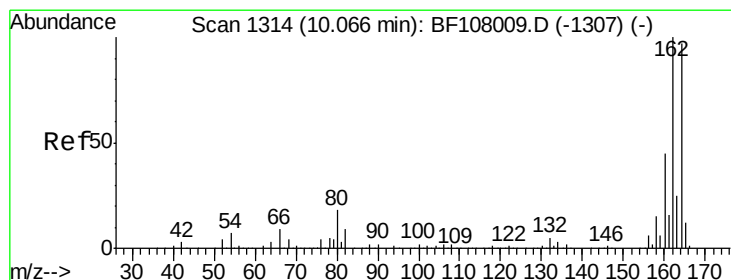
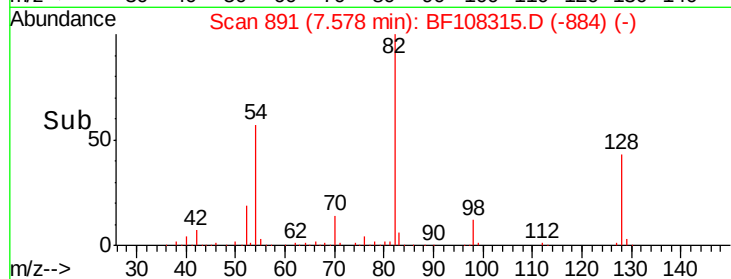
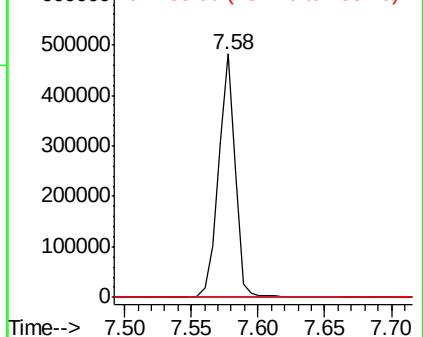
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

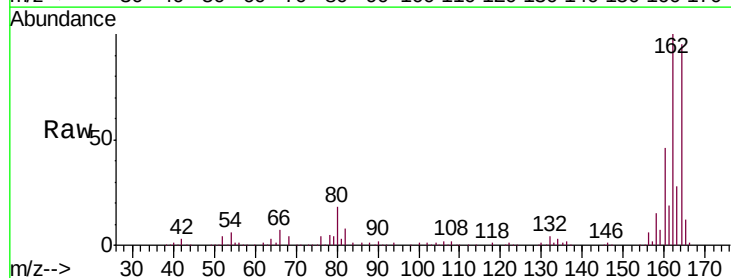
Tgt Ion: 164 Resp: 194321

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

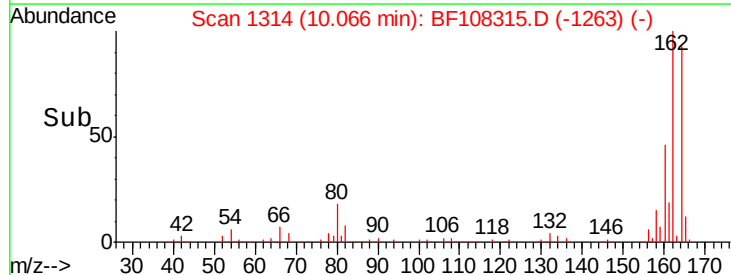
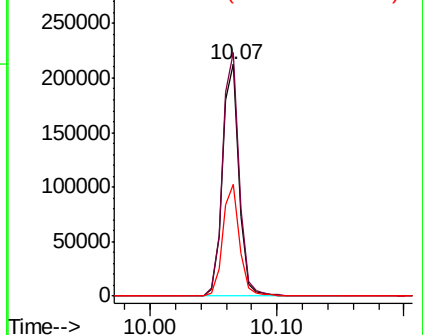
160 48.2 38.3 57.5

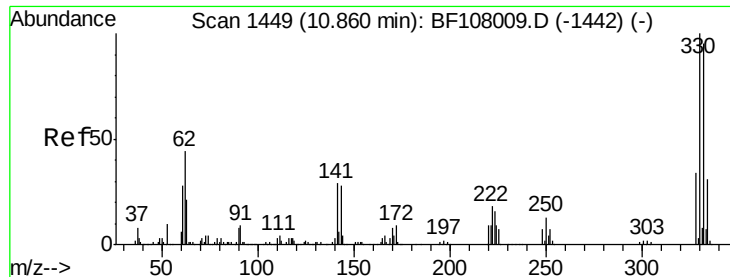


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

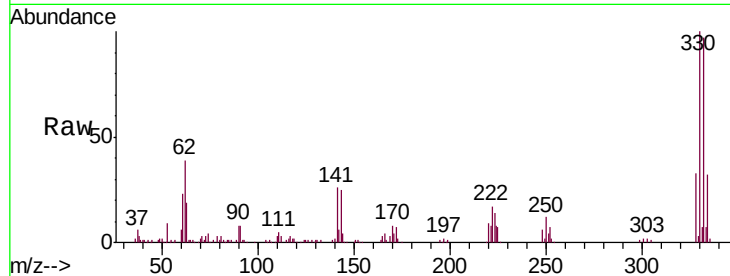




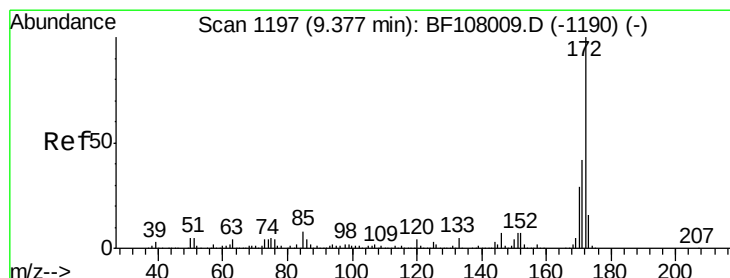
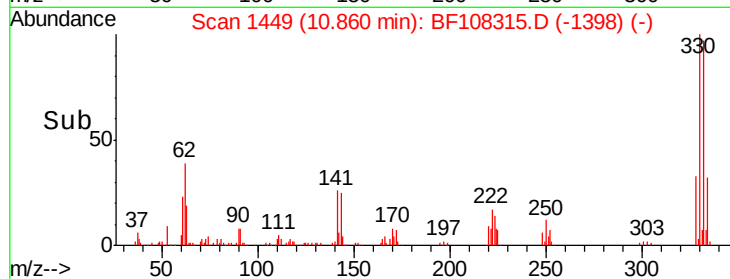
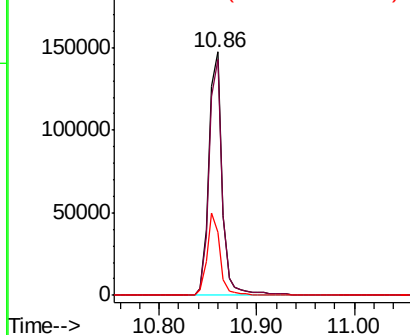
#41
 2,4,6-Tribromophenol
 Concen: 72.951 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF108315.D
 Acq: 21 Aug 2018 2:38

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-024-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	32.6	29.9	44.9

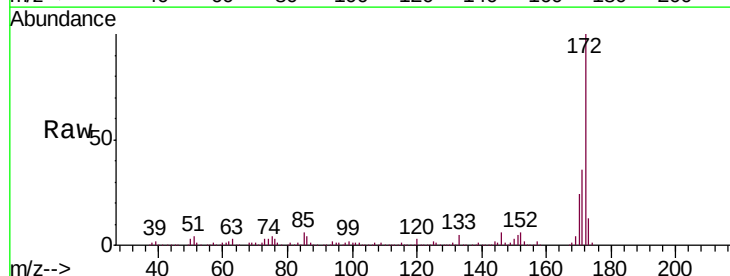


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

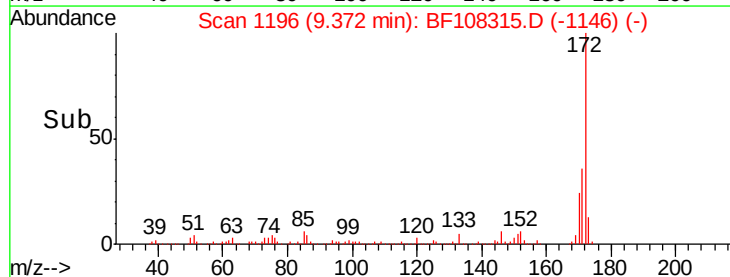
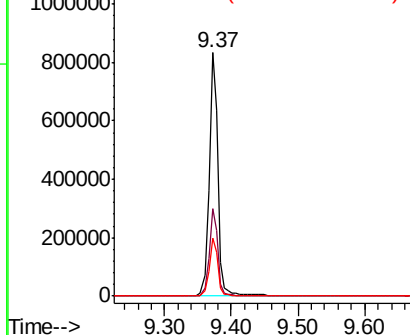


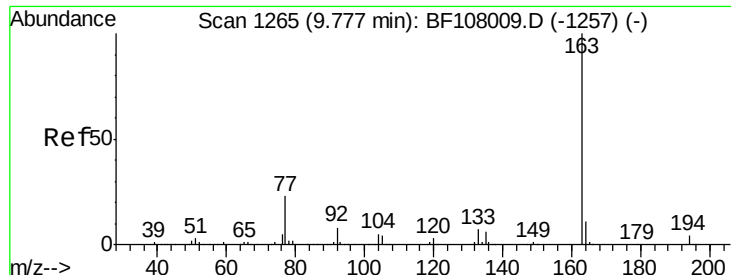
#44
 2-Fluorobiphenyl
 Concen: 62.760 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108315.D
 Acq: 21 Aug 2018 2:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.7	19.6	29.4



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

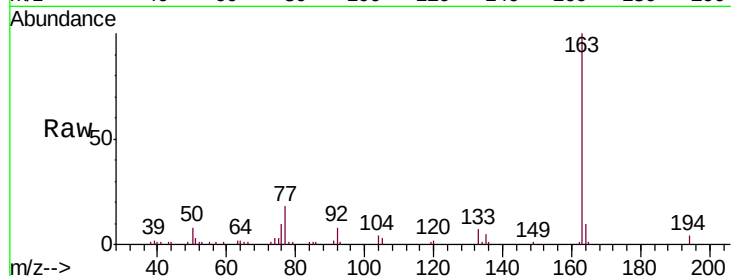




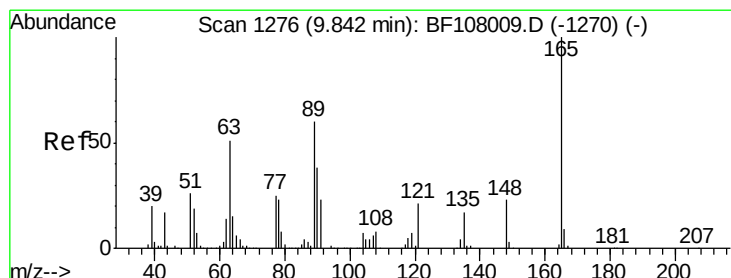
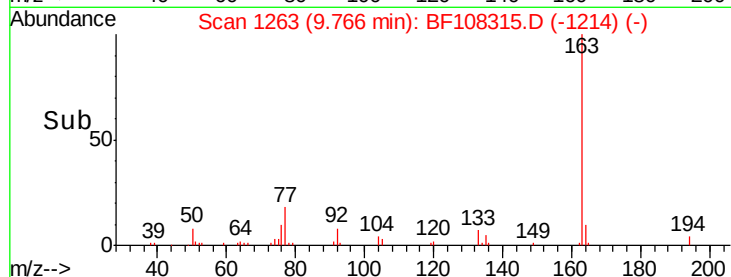
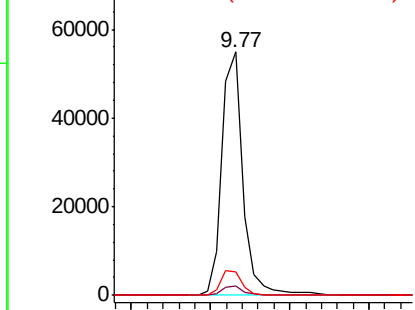
#49
Dimethylphthalate
Concen: 3.729 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108315.D
Acq: 21 Aug 2018 2:38

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-024-A

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.7	8.2	12.2

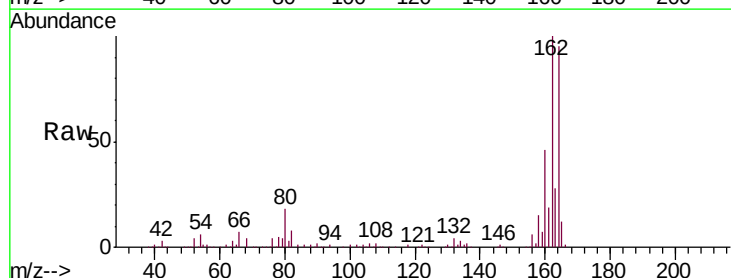


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

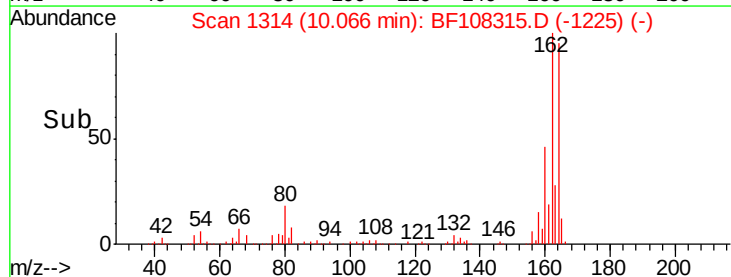
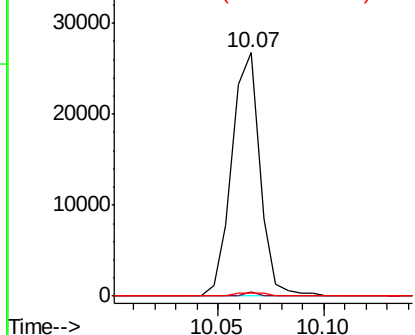


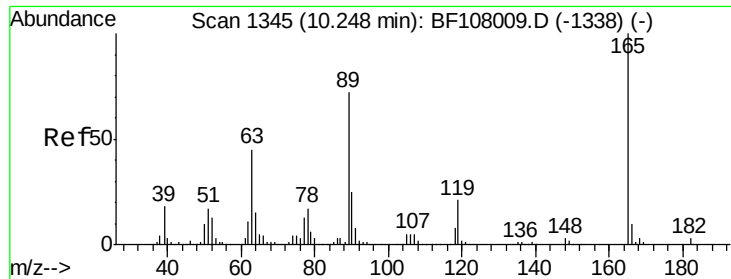
#50
2,6-Dinitrotoluene
Concen: 8.752 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.22 min
Lab File: BF108315.D
Acq: 21 Aug 2018 2:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.3	44.0	66.0#



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

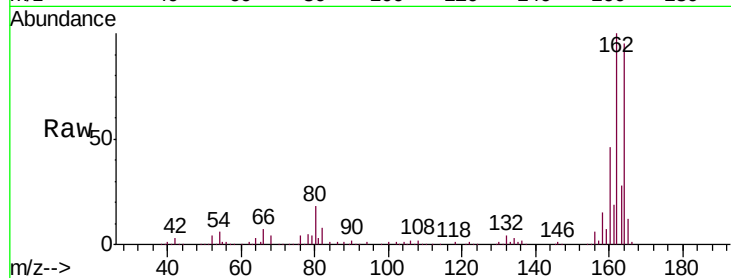




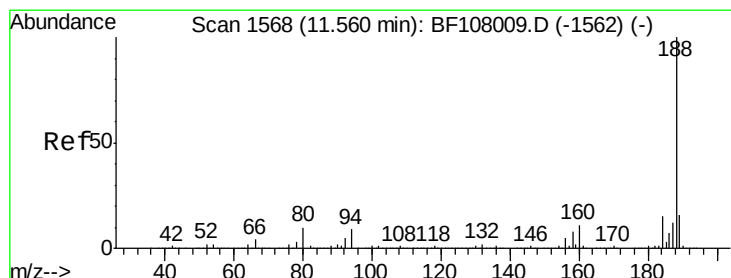
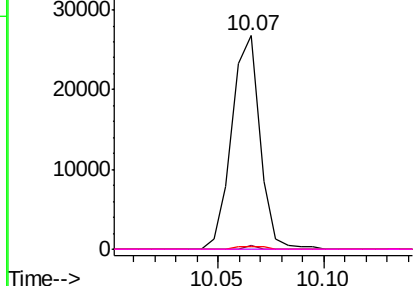
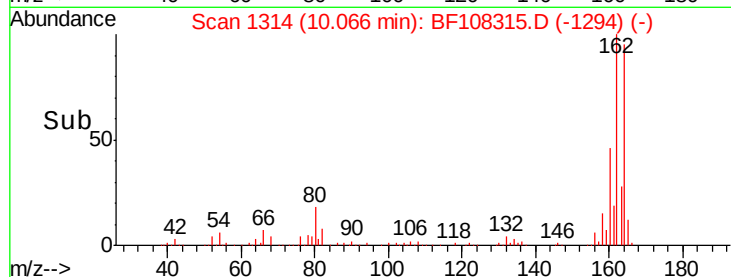
#56
 2,4-Dinitrotoluene
 Concen: 6.799 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108315.D
 Acq: 21 Aug 2018 2:38

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-024-A

Tgt Ion:	165	Resp:	24785
Ion Ratio	Lower	Upper	
165	100		
63	1.7	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

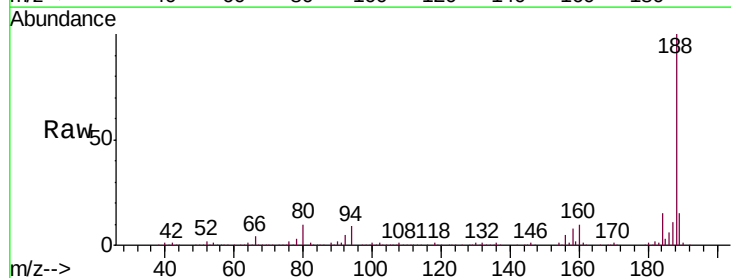


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

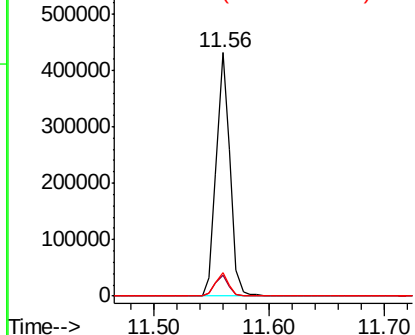
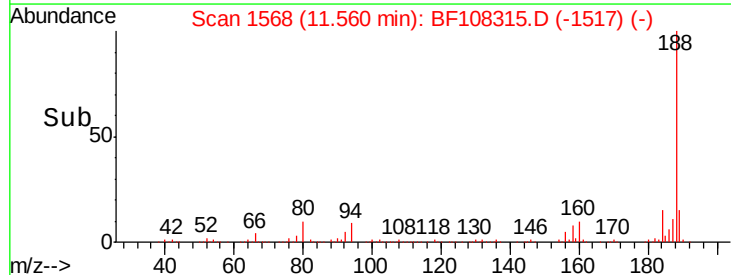


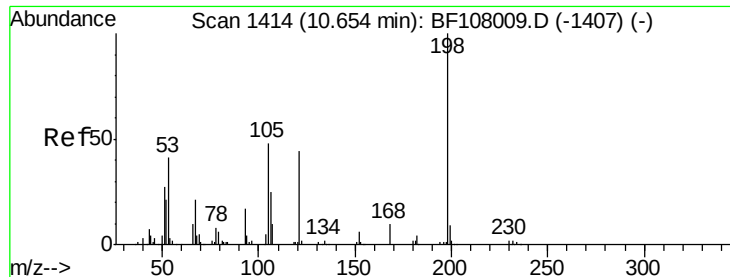
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108315.D
 Acq: 21 Aug 2018 2:38

Tgt Ion:	188	Resp:	357451
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.5	12.7
80	9.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.545 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.20 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-024-A

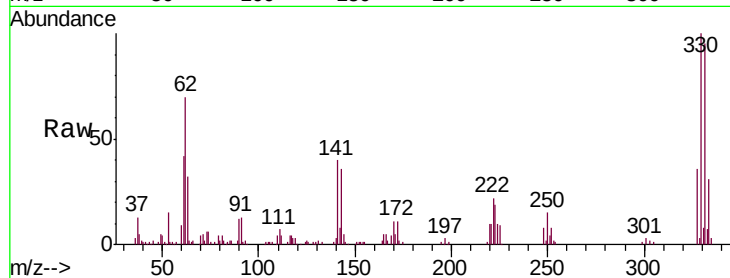
Tgt Ion:198 Resp: 281

Ion Ratio Lower Upper

198 100

51 177.2 37.7 77.7#

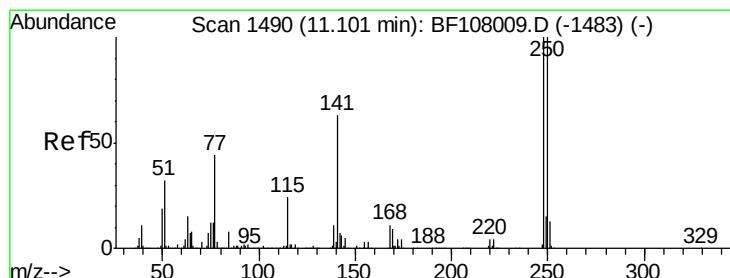
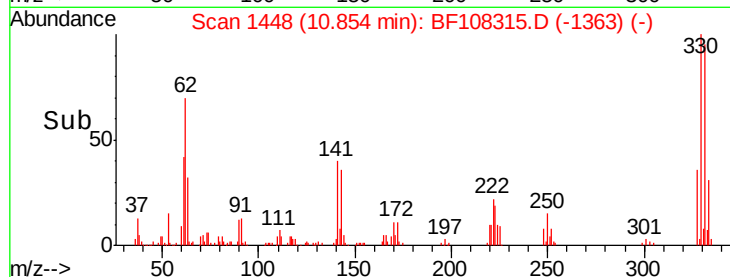
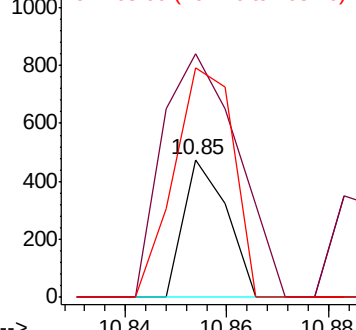
105 166.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.352 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

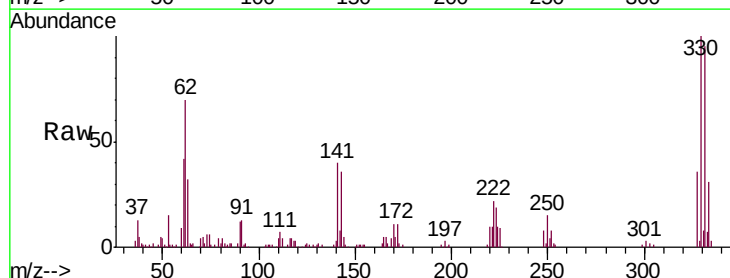
Tgt Ion:248 Resp: 9136

Ion Ratio Lower Upper

248 100

250 186.8 76.9 115.3#

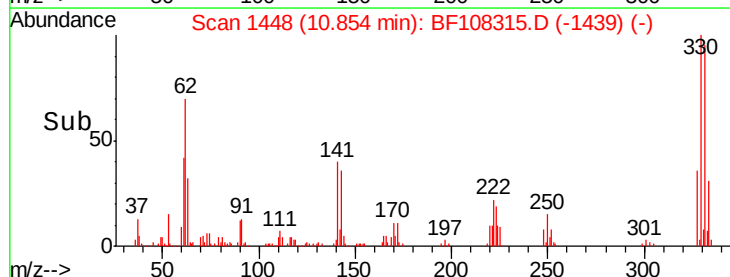
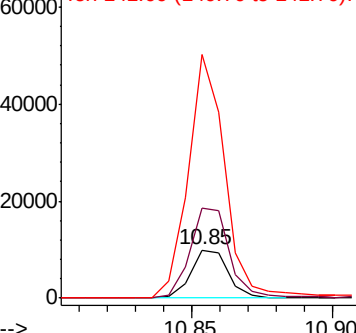
141 506.0 74.4 111.6#

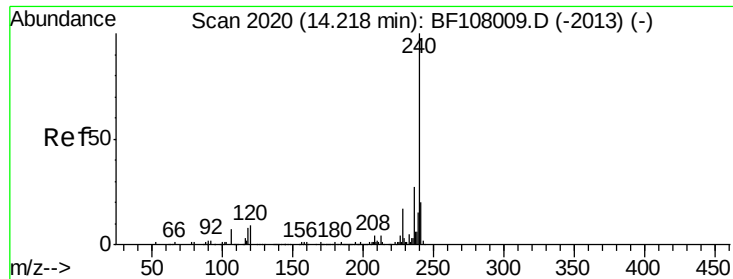


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-024-A

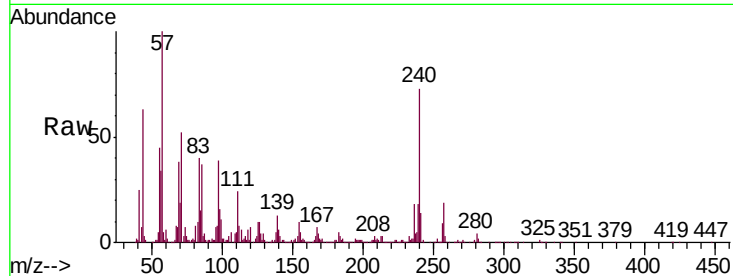
Tgt Ion:240 Resp: 252497

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

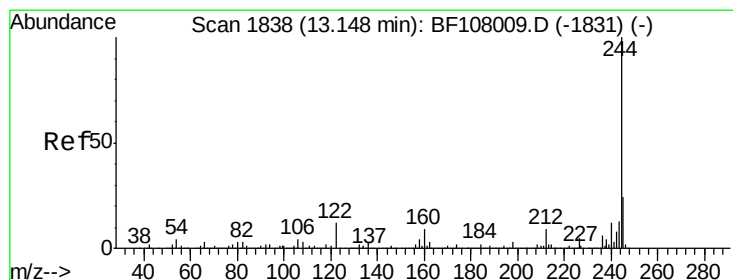
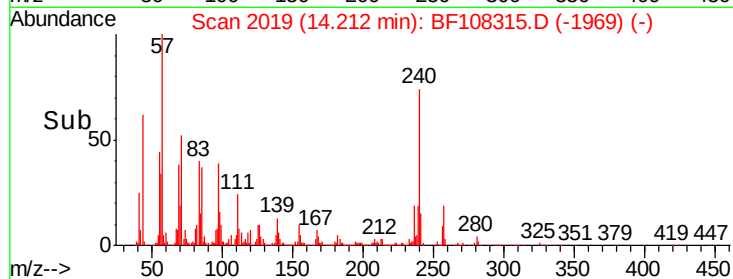
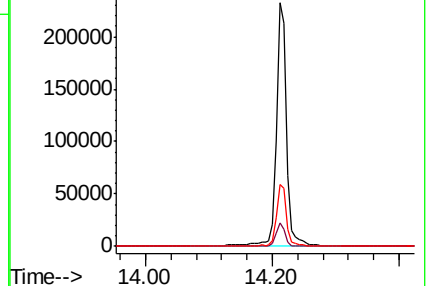
236 25.5 20.7 31.1



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

Terphenyl-d14

Concen: 68.545 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

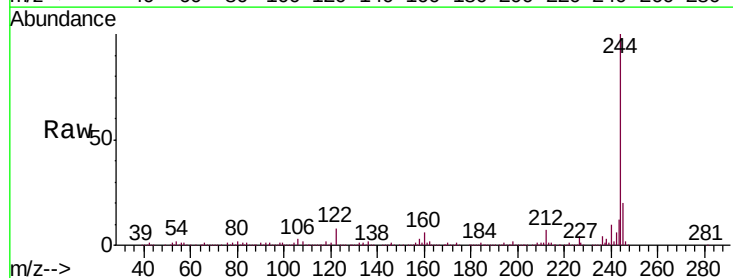
Tgt Ion:244 Resp: 680701

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

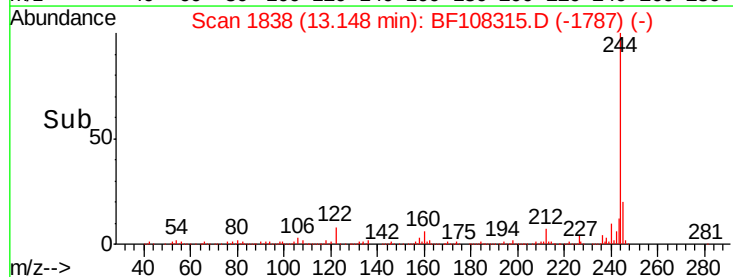
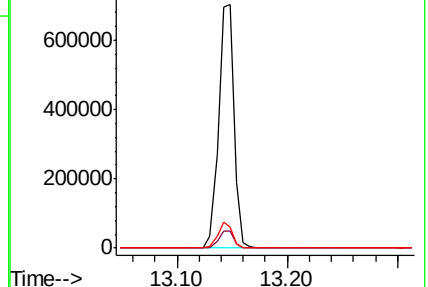
122 8.4 11.0 16.4#

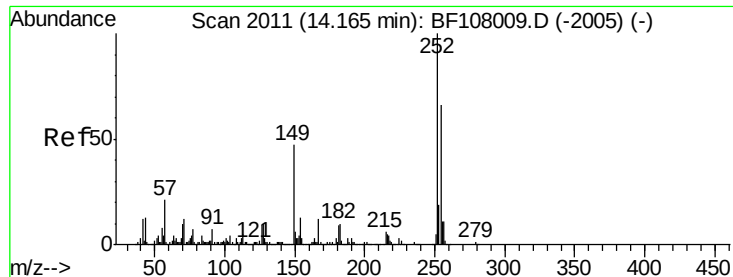


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

3,3'-Dichlorobenzidine

Concen: 5.602 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.05 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-024-A

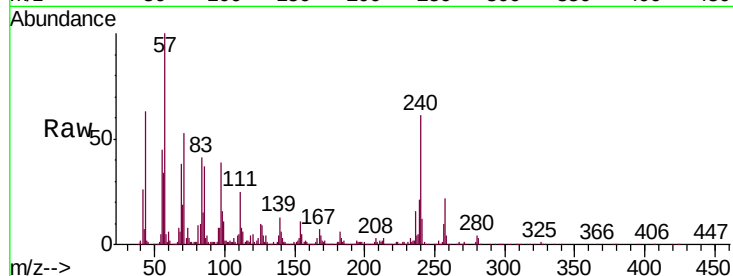
Tgt Ion:252 Resp: 29094

Ion Ratio Lower Upper

252 100

254 13.2 50.4 75.6#

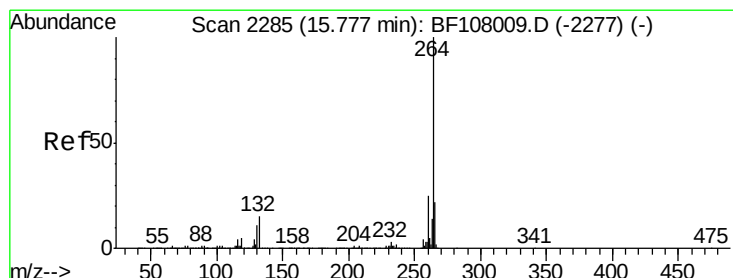
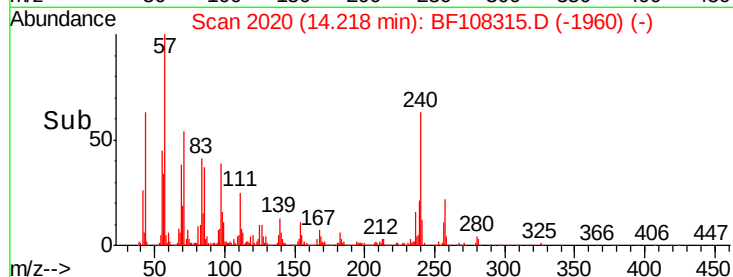
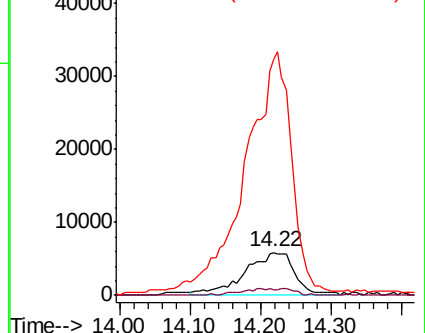
126 550.7 11.3 16.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF108315.D

Acq: 21 Aug 2018 2:38

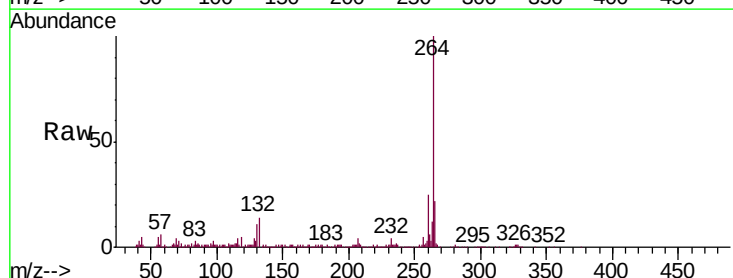
Tgt Ion:264 Resp: 204427

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 22.3 17.5 26.3



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

