

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102887.D
 Acq On : 9 Feb 2018 14:33
 Operator : SJ/JU
 Sample : J1476-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 15:41:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

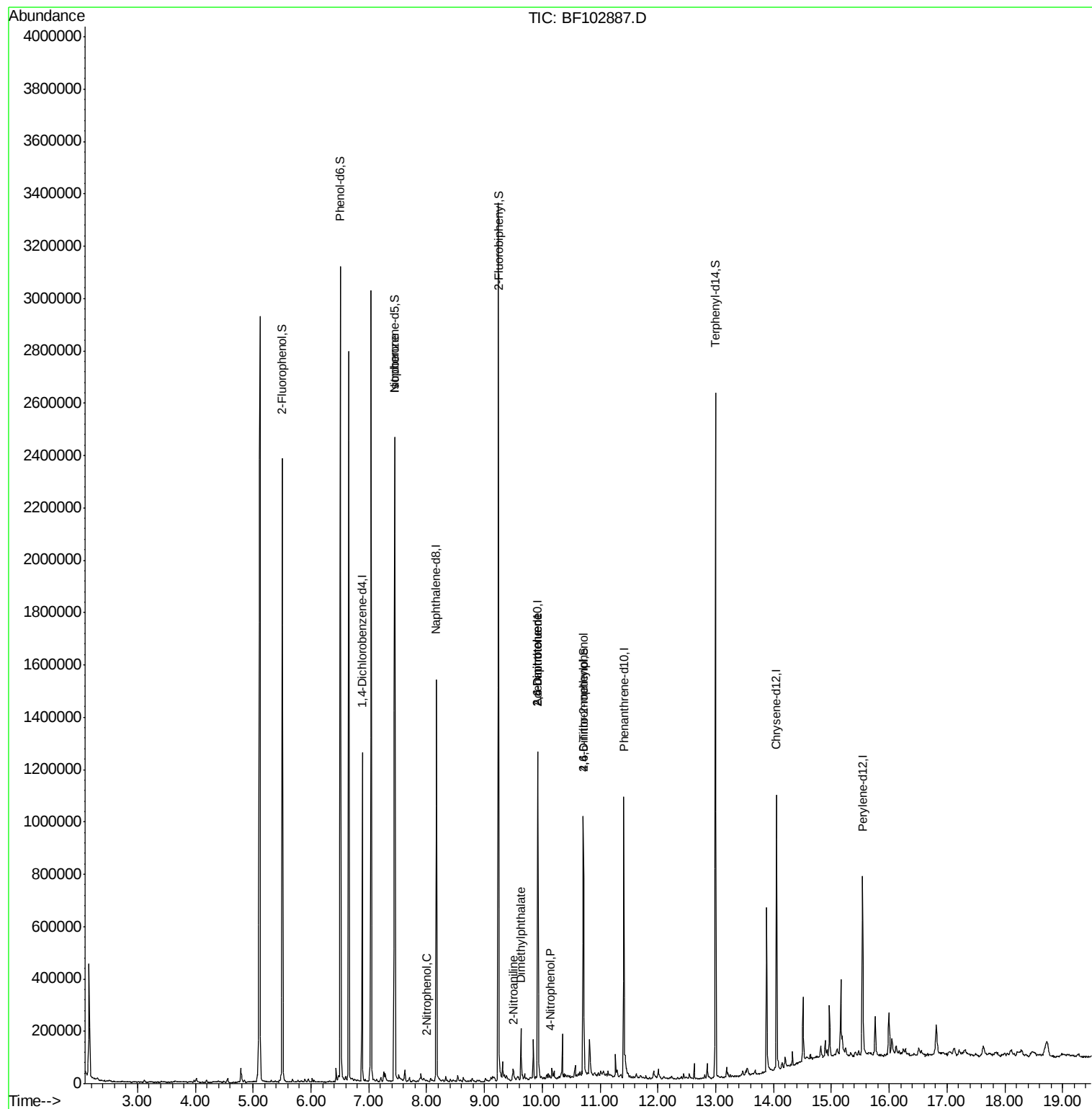
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	157408	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	622027	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	245793	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	383304	20.00	ng	0.00
75) Chrysene-d12	14.05	240	326816	20.00	ng	0.00
86) Perylene-d12	15.54	264	311381	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	609956	58.85	ng	0.01
7) Phenol-d6	6.51	99	1023477	82.01	ng	0.00
23) Nitrobenzene-d5	7.45	82	789379	88.03	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	97738	49.40	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1093585	73.83	ng	0.00
78) Terphenyl-d14	13.00	244	806975	58.47	ng	0.00
Target Compounds						
25) Isophorone	7.45	82	789371	38.231	ng	# 64
26) 2-Nitrophenol	8.00	139	134	8.692	ng	# 34
47) 2-Nitroaniline	9.50	65	238	3.516	ng	# 44
49) Dimethylphthalate	9.63	163	63816	3.330	ng	98
50) 2,6-Dinitrotoluene	9.92	165	30912	8.478	ng	# 25
55) 4-Nitrophenol	10.13	139	107	4.051	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	30912	8.992	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	129	8.867	ng	# 1

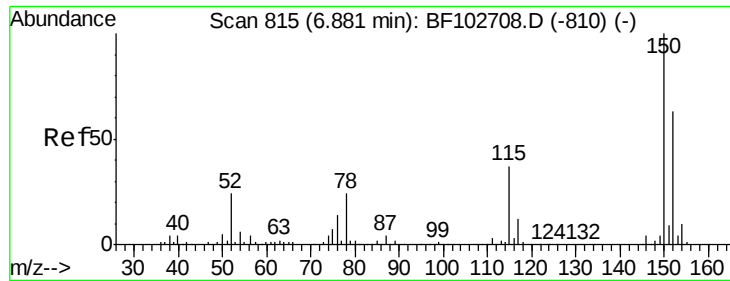
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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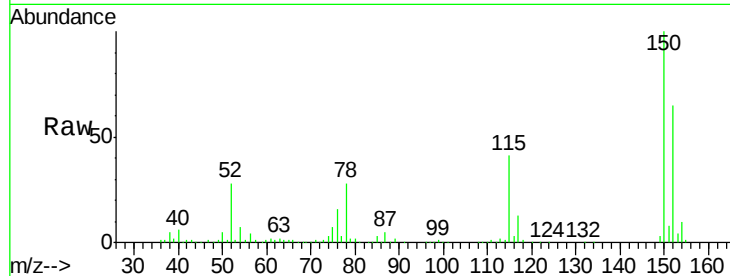


#1

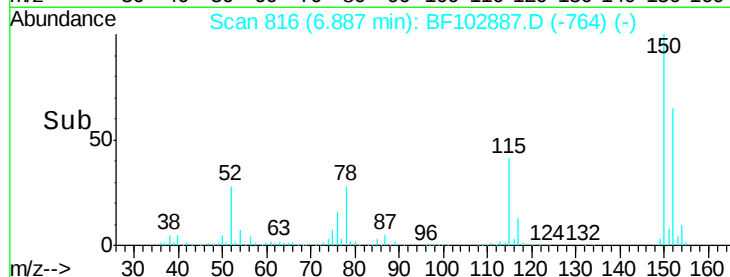
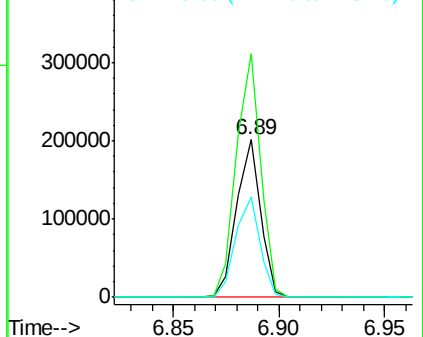
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102887.D
Acq: 9 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	63.5	50.1	75.1



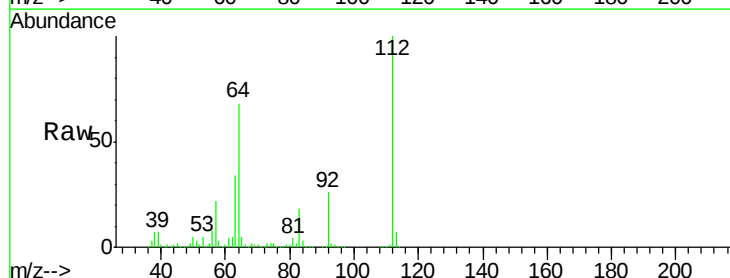
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



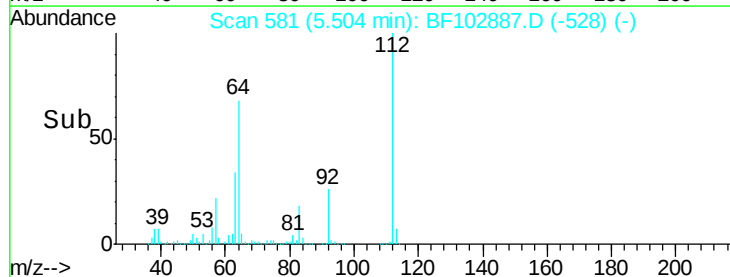
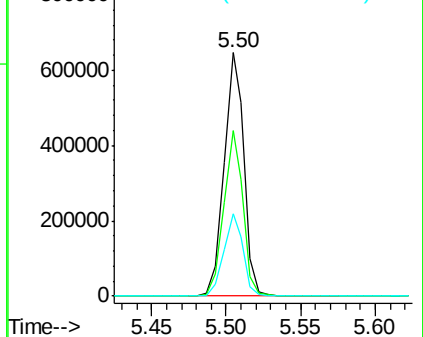
#5

2-Fluorophenol
Concen: 58.848 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102887.D
Acq: 9 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	47.9	71.9
63	33.9	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: 82.009 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

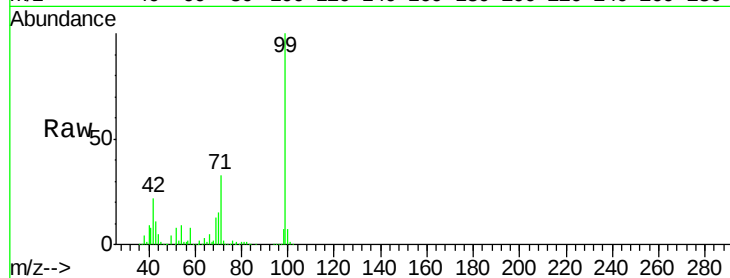
Instrument :

BNA_F

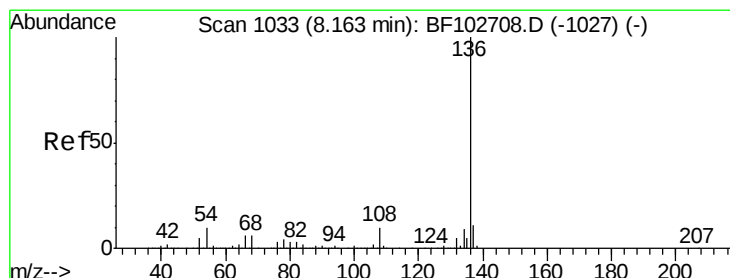
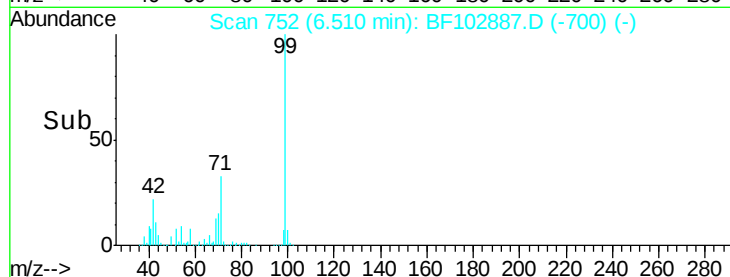
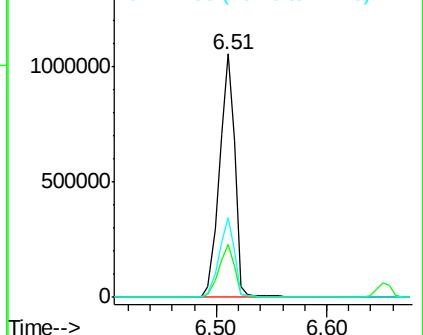
ClientSampleId :

Tot Ion: 99 Resp: 1023477

Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.5	21.7#
71	32.8	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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

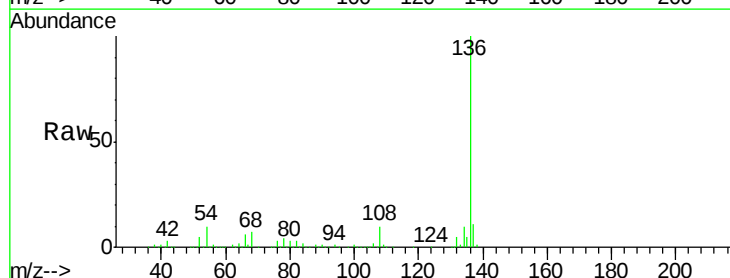
Delta R.T. 0.00 min

Lab File: BF102887.D

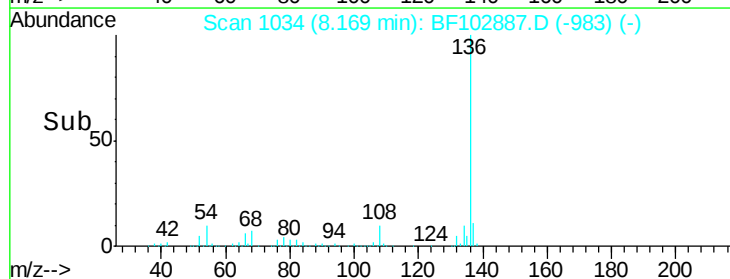
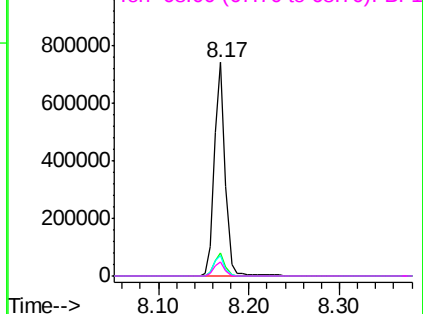
Acq: 9 Feb 2018 14:33

Tgt Ion: 136 Resp: 622027

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.8	6.6	9.8
68	6.7	5.0	7.4



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

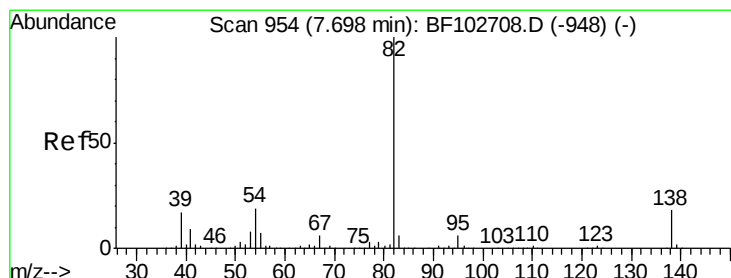
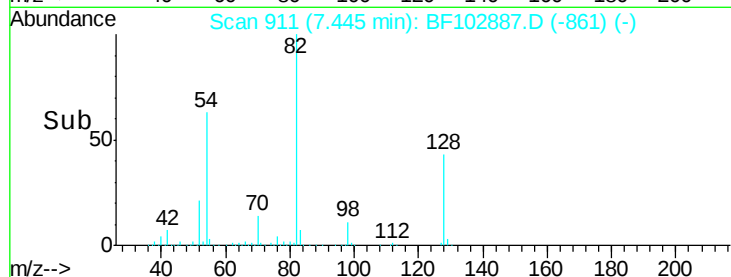
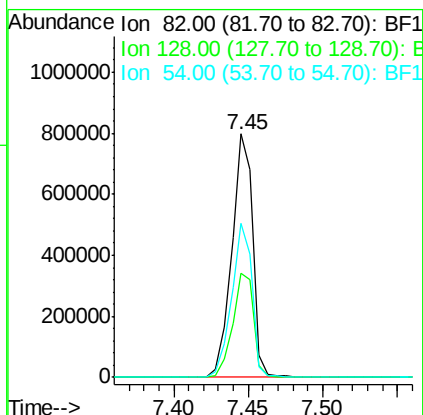
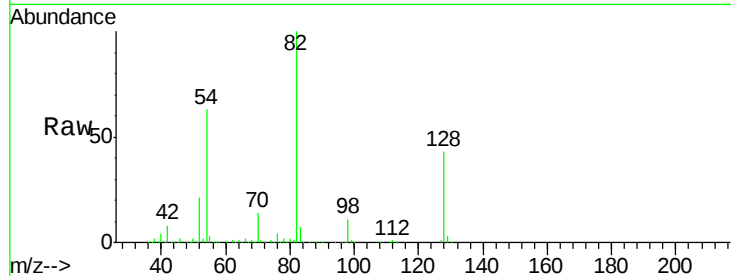




#23
Nitrobenzene-d5
Concen: 88.034 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102887.D
Acq: 9 Feb 2018 14:33

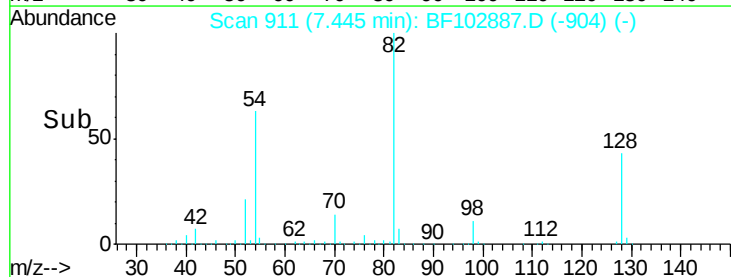
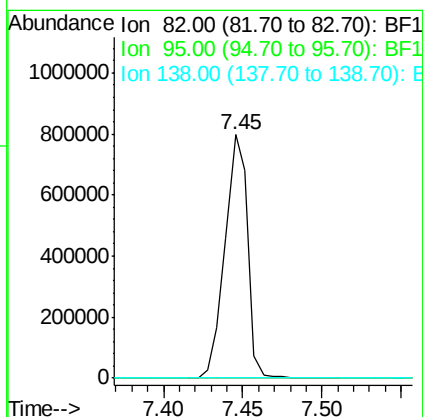
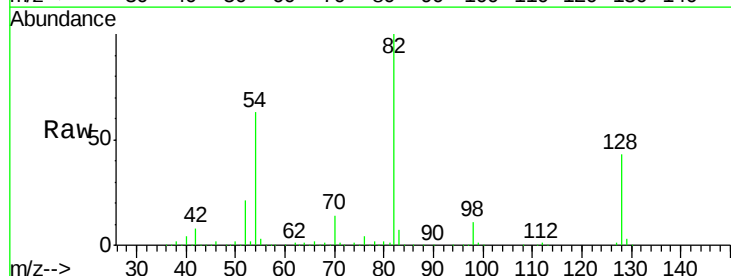
Instrument :
BNA_F
ClientSampled :

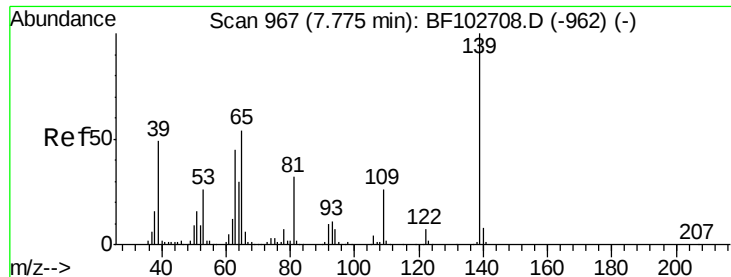
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	63.3	41.4	62.2#



#25
Isophorone
Concen: 38.231 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102887.D
Acq: 9 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#26

2-Nitrophenol

Concen: 8.692 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.22 min

Lab File: BF102887.D

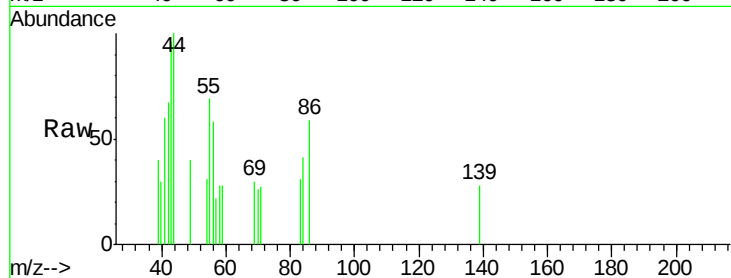
Acq: 9 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

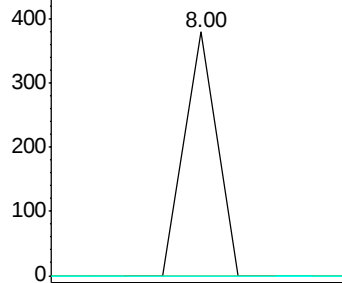
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	0.0	40.5	60.7#



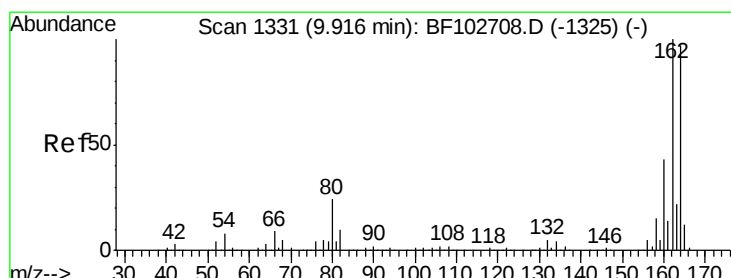
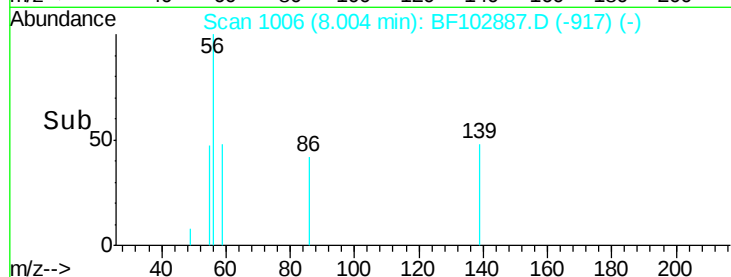
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

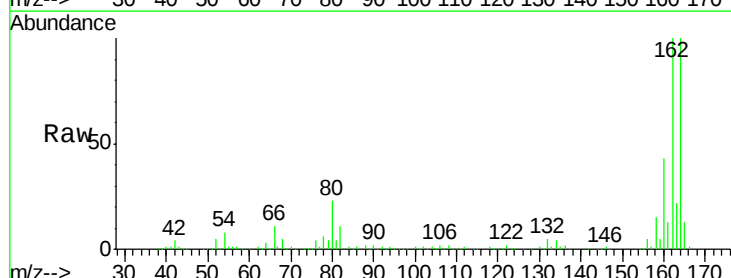
RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

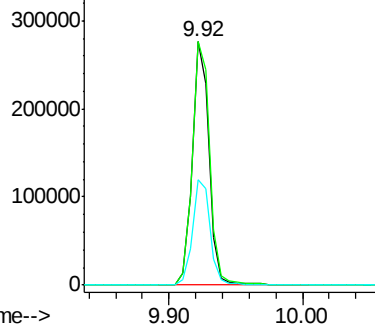
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	86.1	129.1
160	43.3	38.3	57.5



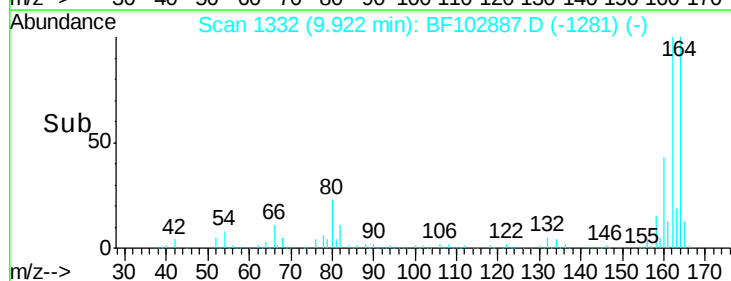
Abundance Ion 164.00 (163.70 to 164.70): E

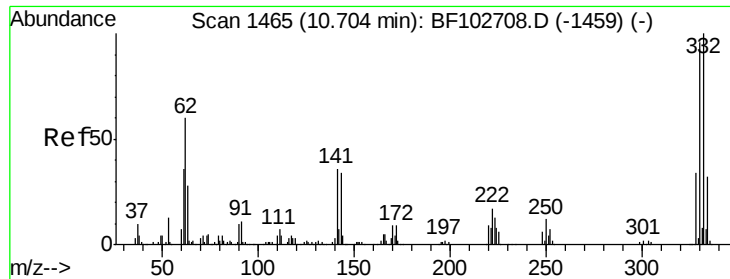
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

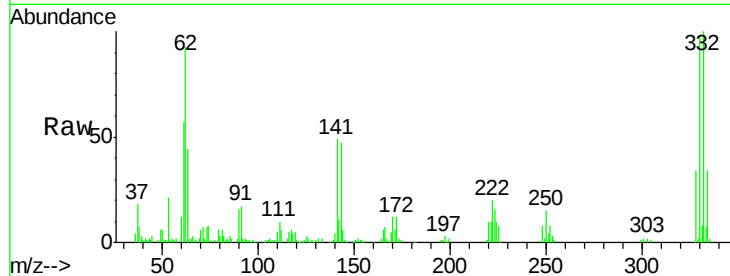




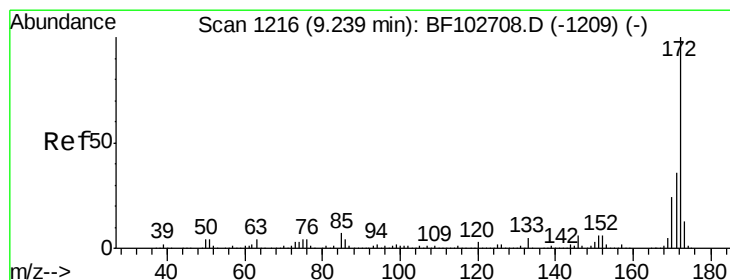
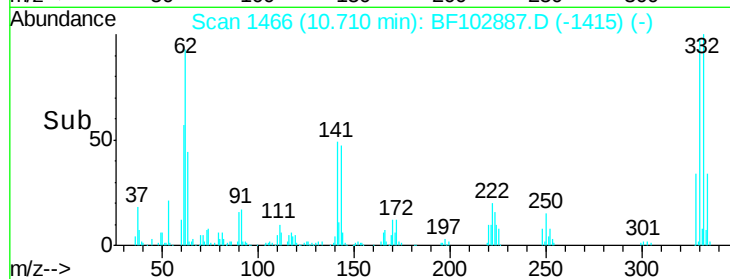
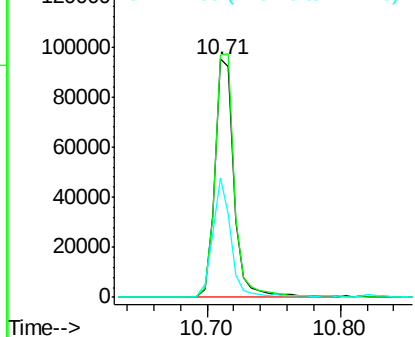
#41
 2,4,6-Tribromophenol
 Concen: 49.404 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102887.D
 Acq: 9 Feb 2018 14:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 97738
 Ion Ratio Lower Upper
 330 100
 332 103.7 77.0 115.6
 141 47.8 29.9 44.9#

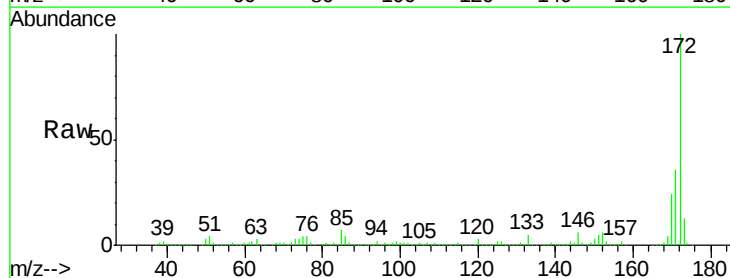


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

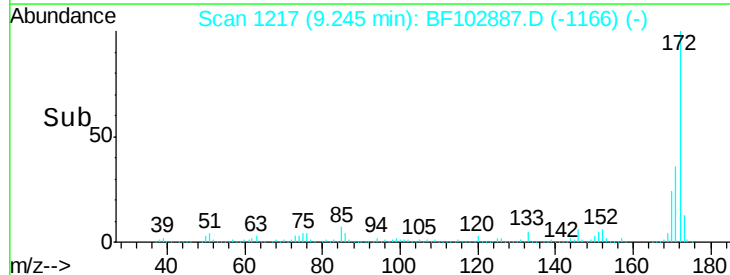
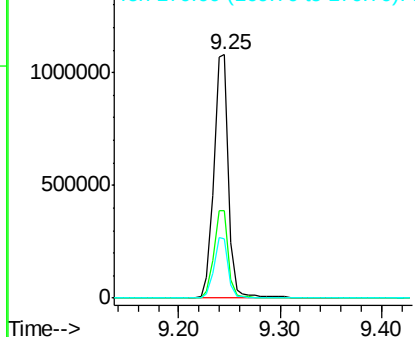


#44
 2-Fluorobiphenyl
 Concen: 73.828 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102887.D
 Acq: 9 Feb 2018 14:33

Tgt Ion:172 Resp: 1093585
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.5 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





#47

2-Nitroaniline

Concen: 3.516 ng

RT: 9.50 min Scan# 1261

Delta R.T. 0.04 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

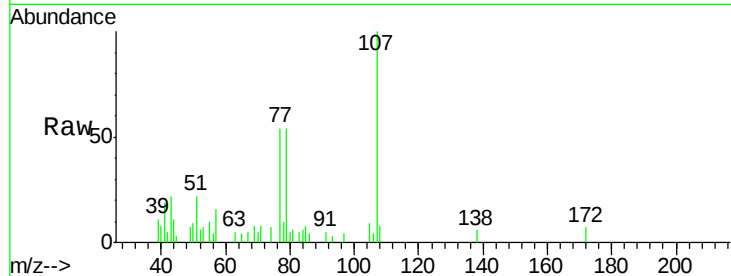
Tot Ion: 65 Resp: 238

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

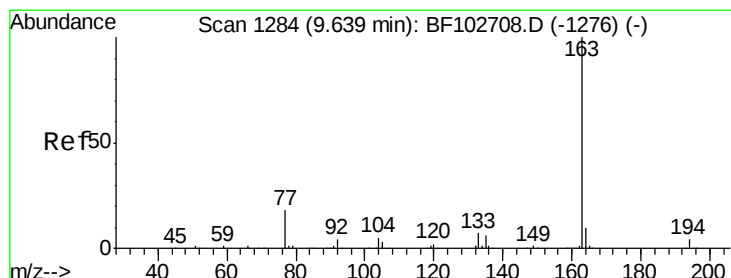
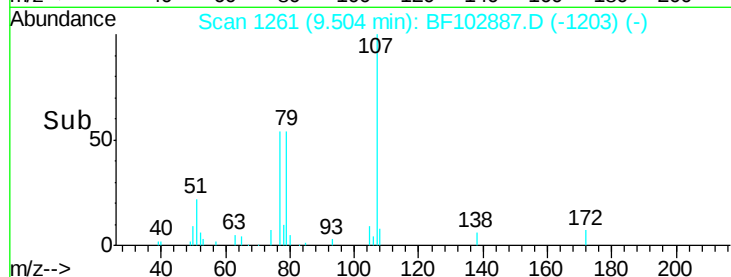
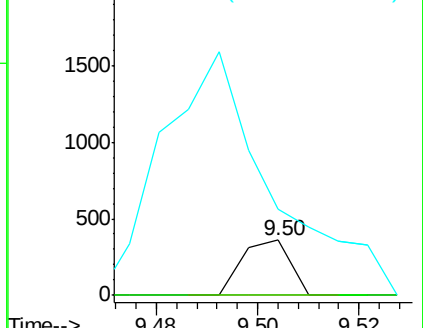
138 155.8 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 3.330 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

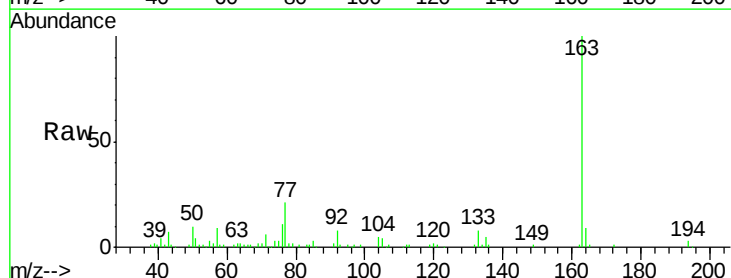
Tgt Ion: 163 Resp: 63816

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

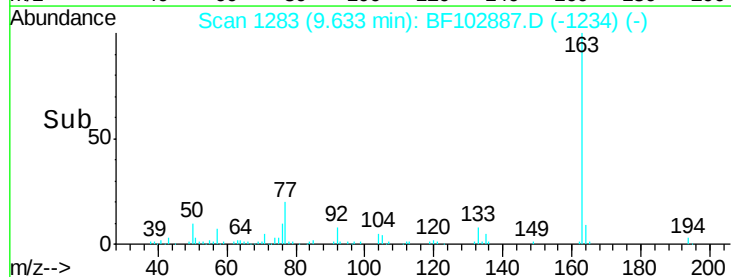
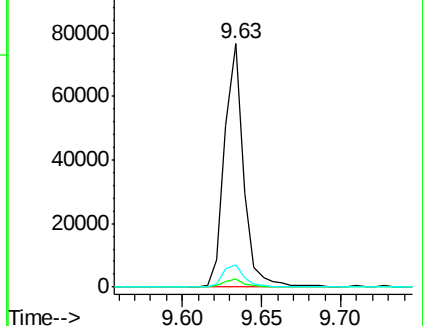
164 9.3 8.2 12.2

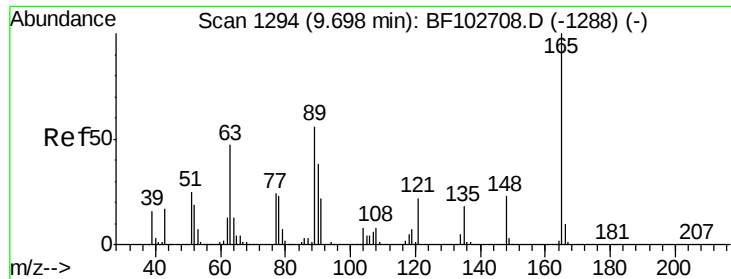


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

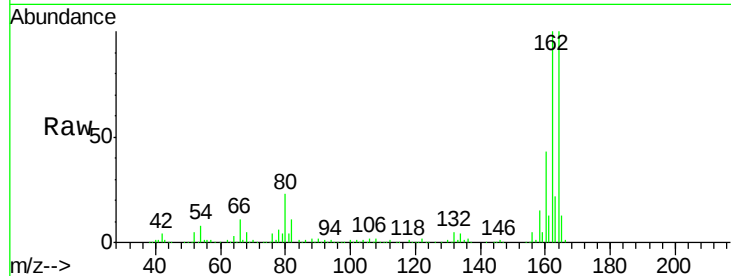




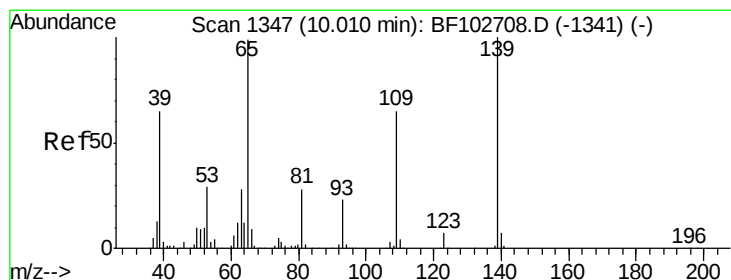
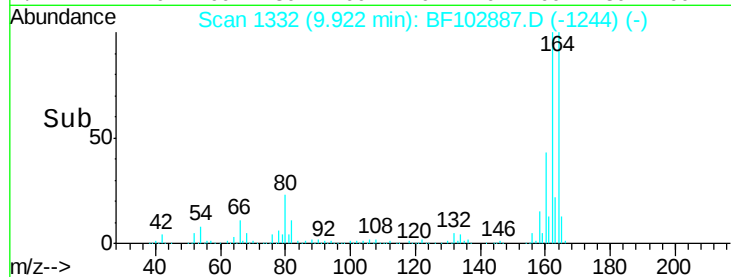
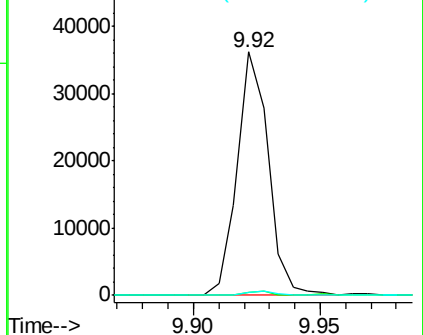
#50
 2,6-Dinitrotoluene
 Concen: 8.478 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102887.D
 Acq: 9 Feb 2018 14:33

Instrument :
 BNA_F
 ClientSampled :

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

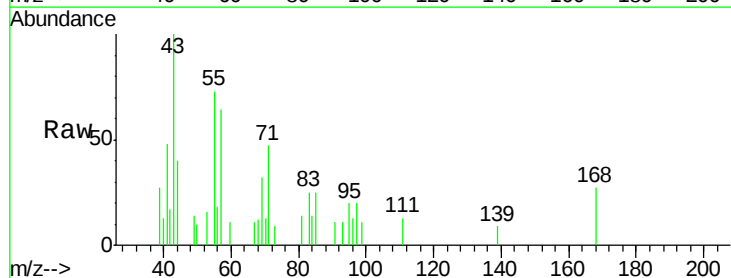


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

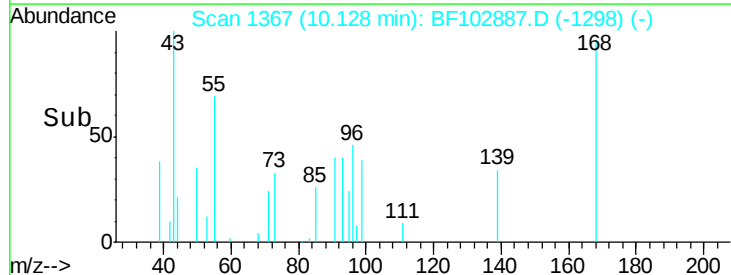
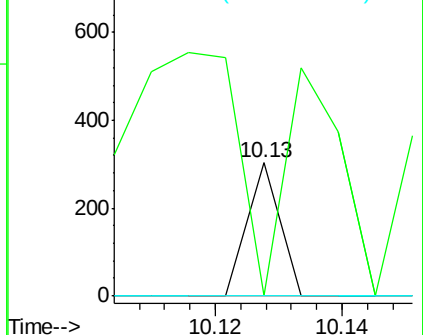


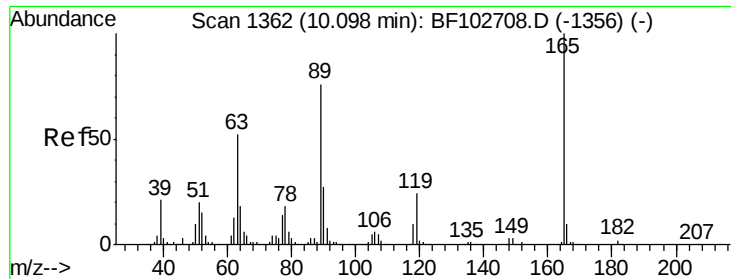
#55
 4-Nitrophenol
 Concen: 4.051 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.11 min
 Lab File: BF102887.D
 Acq: 9 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

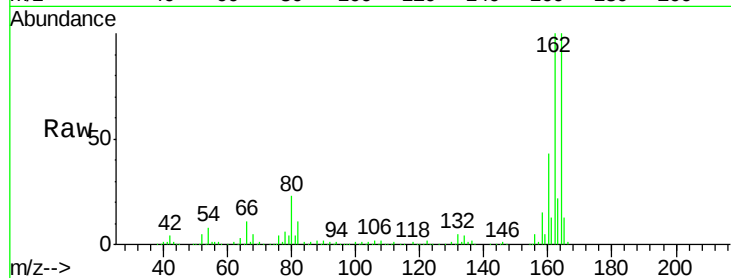




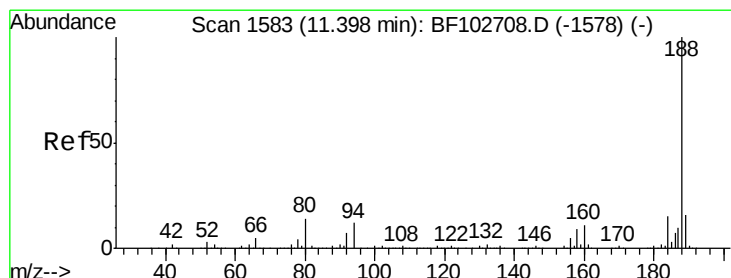
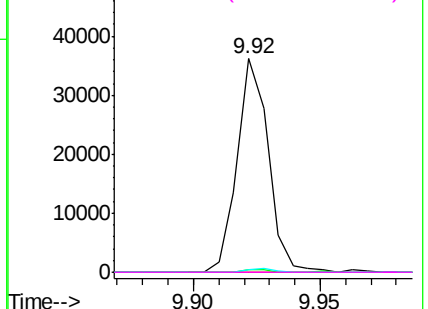
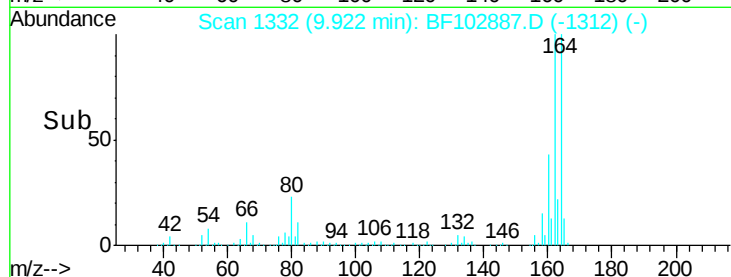
#56
 2,4-Dinitrotoluene
 Concen: 8.992 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102887.D
 Acq: 9 Feb 2018 14:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 30912
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

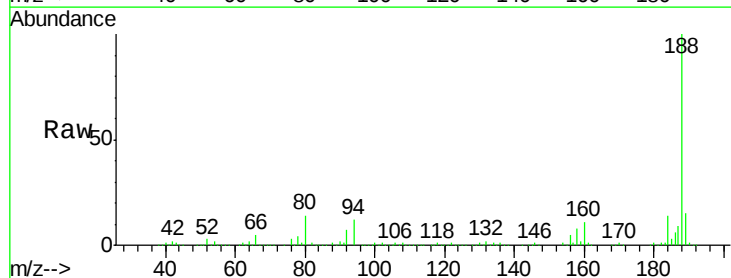


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

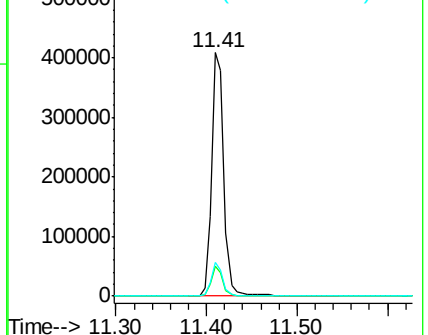
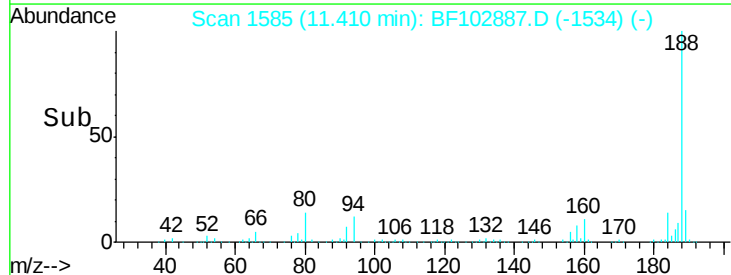


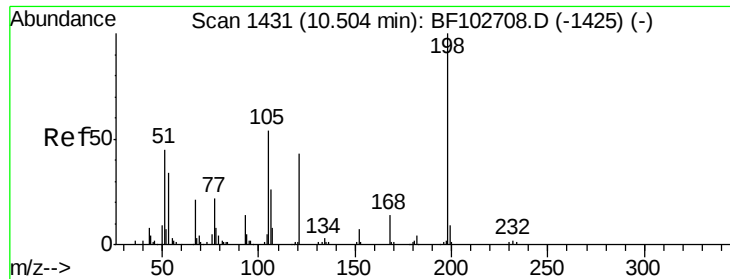
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102887.D
 Acq: 9 Feb 2018 14:33

Tgt Ion:188 Resp: 383304
 Ion Ratio Lower Upper
 188 100
 94 12.4 8.5 12.7
 80 13.7 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: 8.867 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

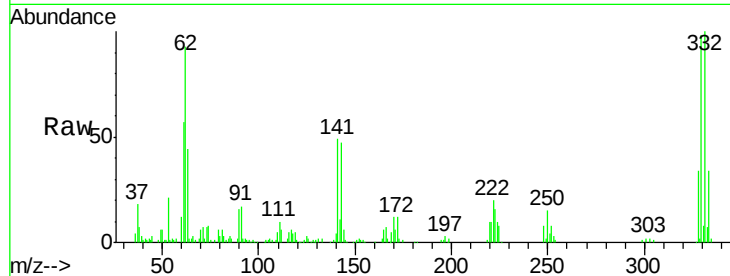
Tot Ion:198 Resp: 129

Ion Ratio Lower Upper

198 100

51 297.0 37.7 77.7#

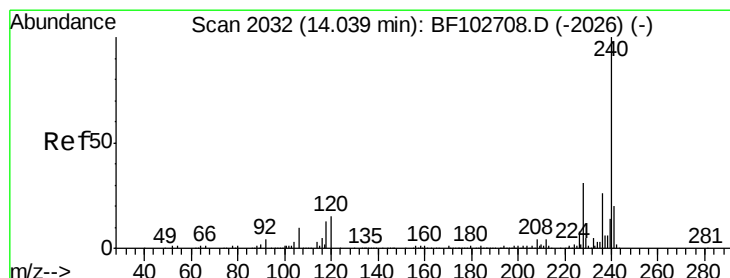
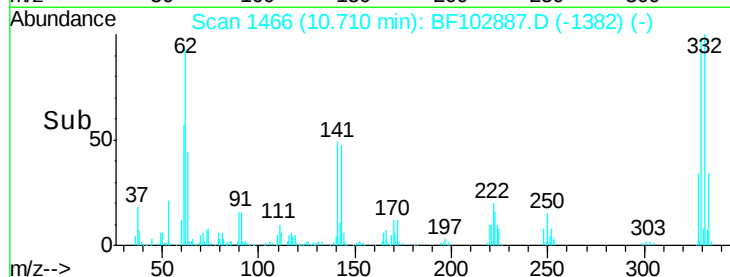
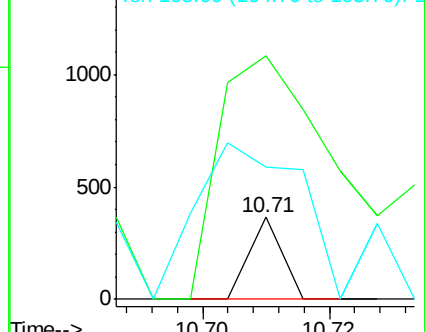
105 161.1 36.3 76.3#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

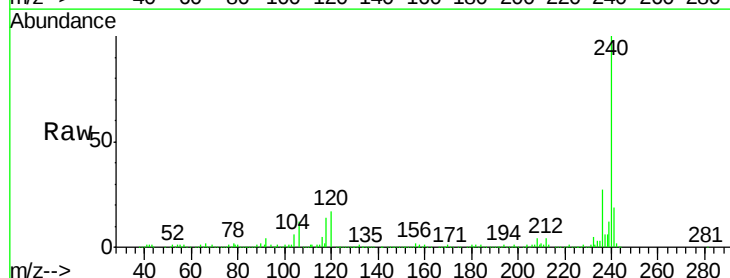
Tgt Ion:240 Resp: 326816

Ion Ratio Lower Upper

240 100

120 16.7 9.5 14.3#

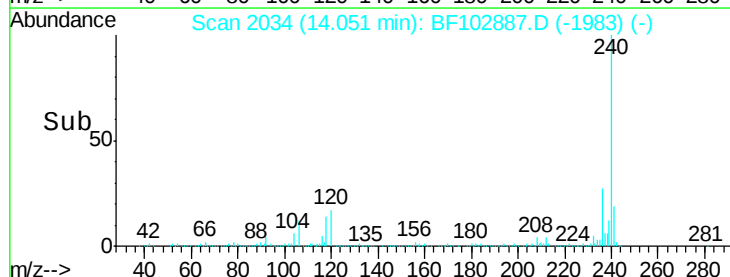
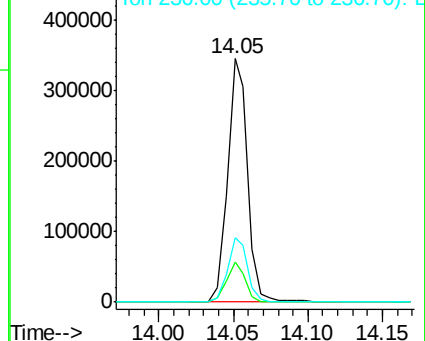
236 26.7 20.7 31.1

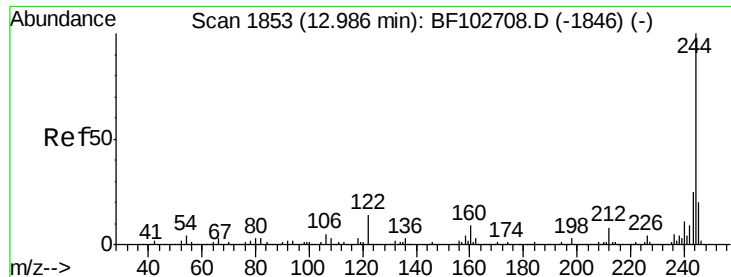


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 58.465 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

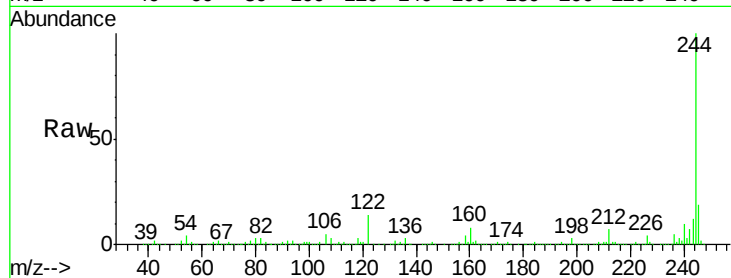
Tot Ion:244 Resp: 806975

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

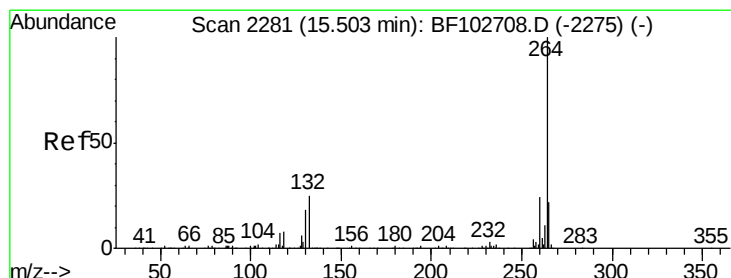
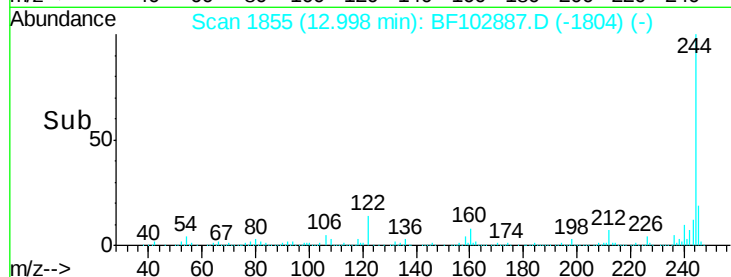
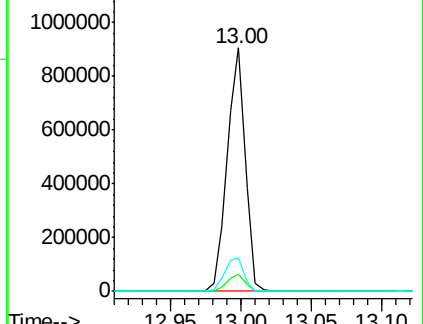
122 13.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102887.D

Acq: 9 Feb 2018 14:33

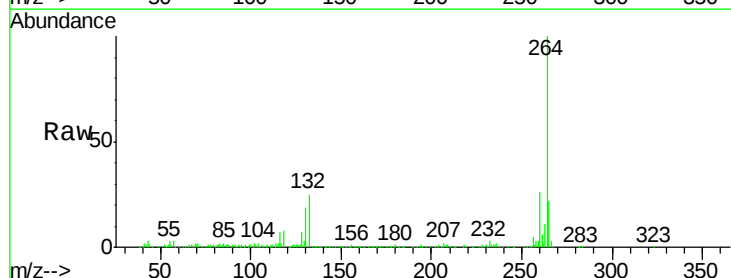
Tgt Ion:264 Resp: 311381

Ion Ratio Lower Upper

264 100

260 26.0 19.2 28.8

265 21.6 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

