

Data File : BF100441.D
Acq On : 11 Nov 2017 15:29
Operator : SJ/JU
Sample : I6407-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2334

Quant Time: Nov 13 01:08:53 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	140520	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	514225	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	197547	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	327017	20.00	ng	0.00
75) Chrysene-d12	14.07	240	306901	20.00	ng	0.00
86) Perylene-d12	15.55	264	216466	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	899429	102.60	ng	0.01
7) Phenol-d6	6.53	99	1085221	100.39	ng	0.00
23) Nitrobenzene-d5	7.46	82	650757	83.67	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	195529	97.13	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	987542	76.12	ng	0.00
78) Terphenyl-d14	13.01	244	791066	59.23	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.54	94	50512	4.45	ng	95
19) n-Nitroso-di-n-propylamine	7.46	70	85673	11.43	ng	# 82
25) Isophorone	7.46	82	647423	39.61	ng	# 64
47) 2-Nitroaniline	9.65	65	425	2.89	ng	# 1
49) Dimethylphthalate	9.65	163	62875	4.17	ng	# 97
50) 2,6-Dinitrotoluene	9.94	165	24402	8.17	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	24402	6.48	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.73	198	496	8.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	12464	3.56	ng	# 1
88) Benzo(k)fluoranthene	15.12	252	25360	2.09	ng	# 87

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

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ClientSampleId :

2334

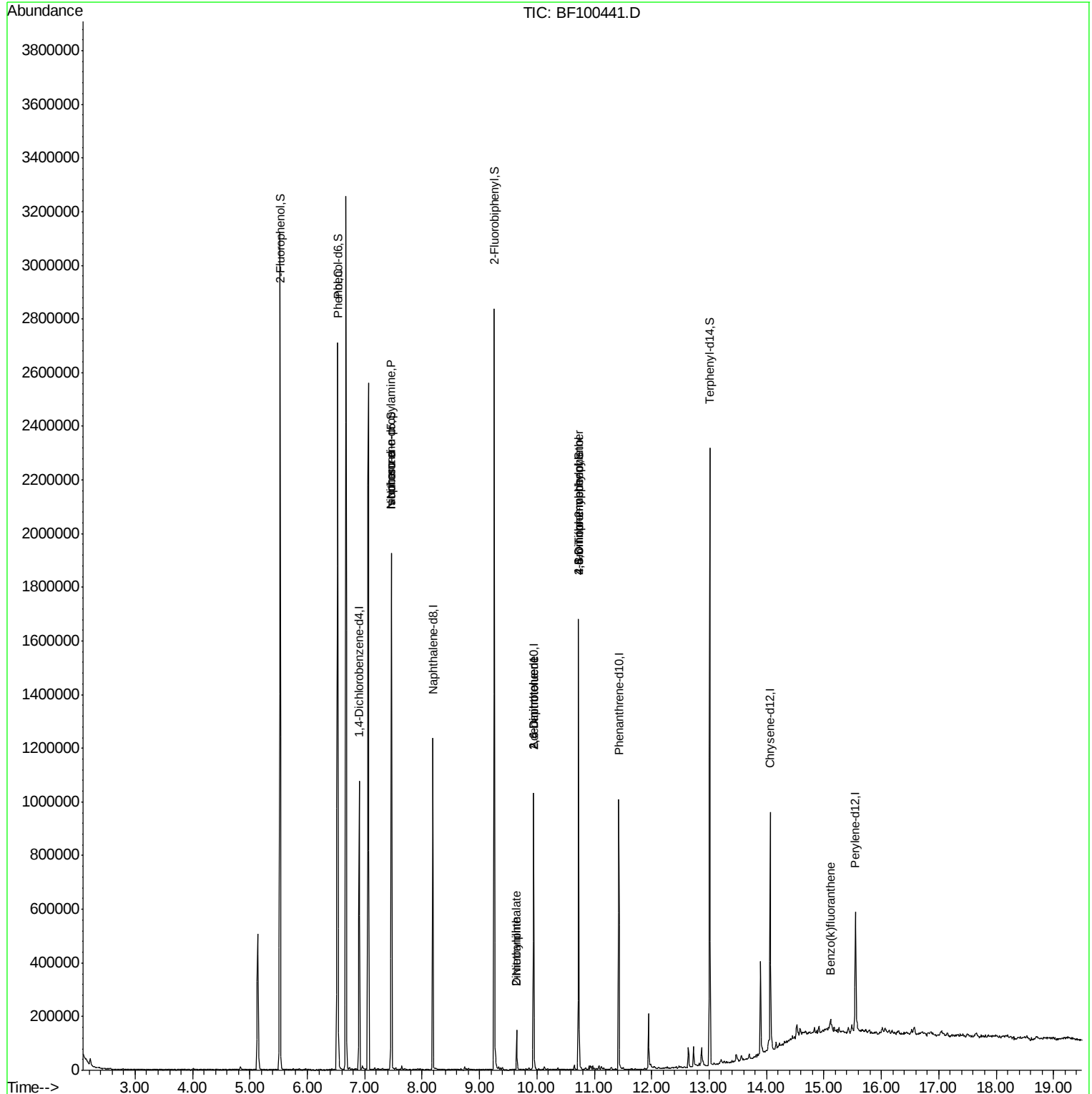
Quant Time: Nov 13 01:08:53 2017

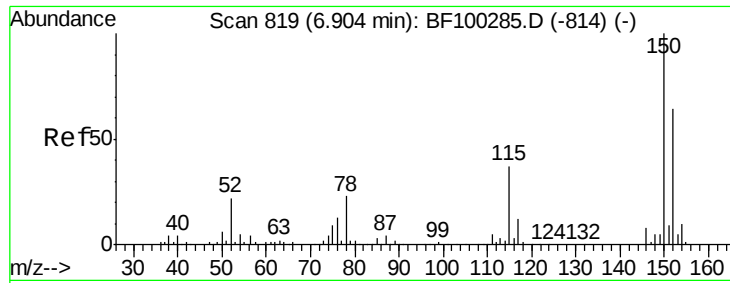
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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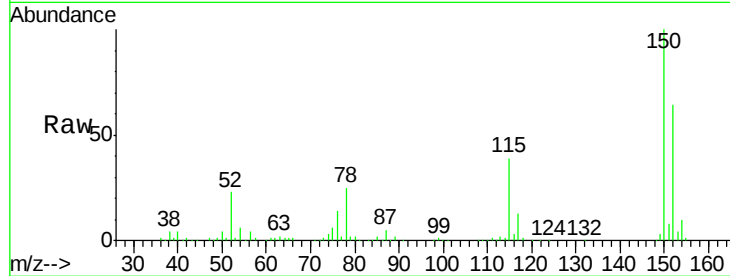


#1

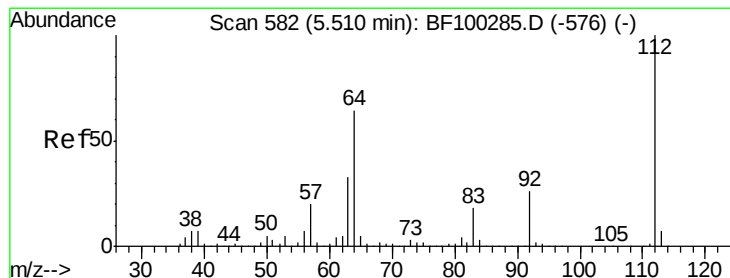
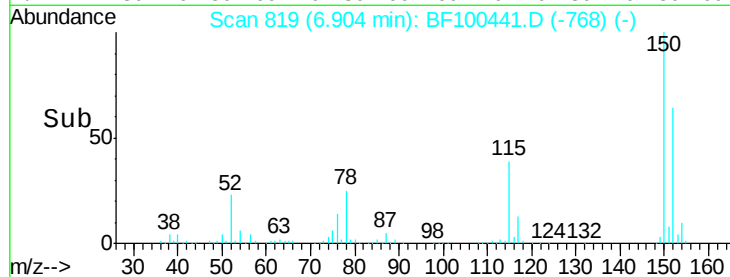
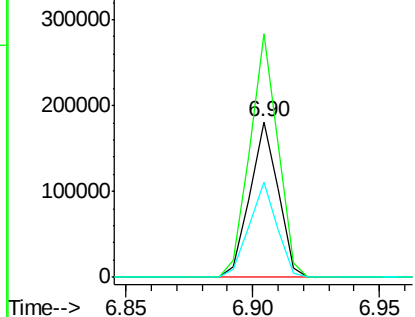
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Instrument :
BNA_F
ClientSampleId :
2334

Tgt Ion:152 Resp: 140520
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 61.5 50.1 75.1



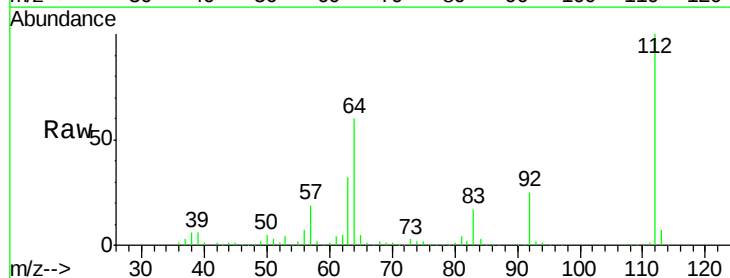
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



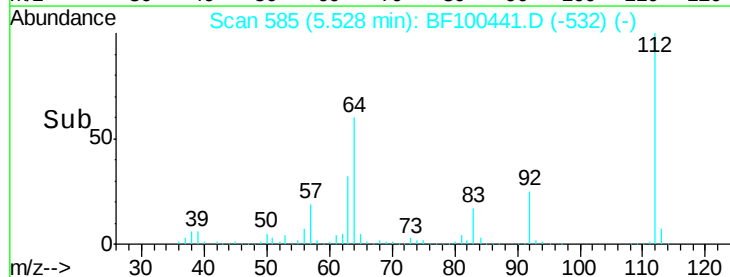
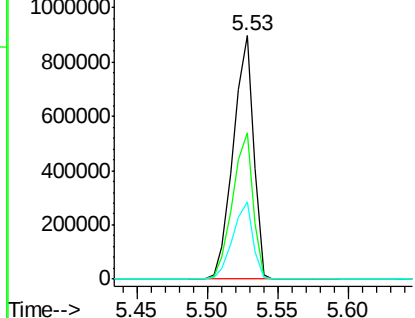
#5

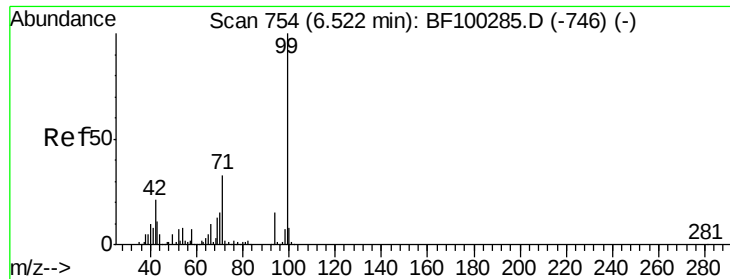
2-Fluorophenol
Concen: 102.60 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Tgt Ion:112 Resp: 899429
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 31.5 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: 100.39 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

2334

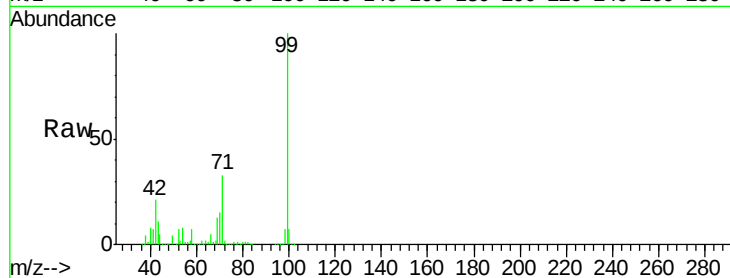
Tgt Ion: 99 Resp: 1085221

Ion Ratio Lower Upper

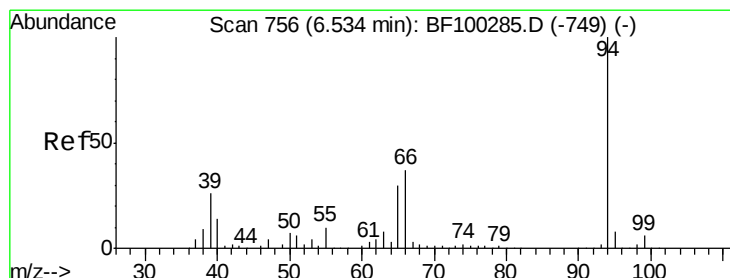
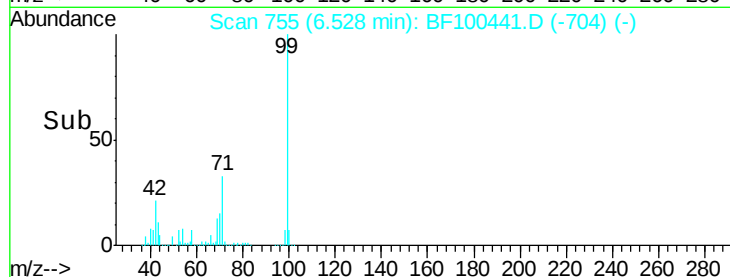
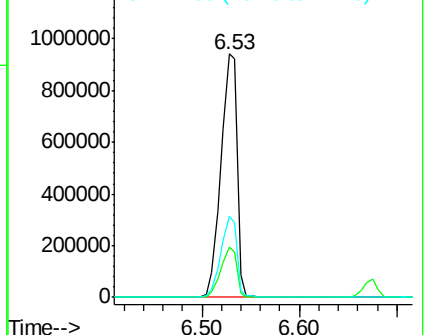
99 100

42 20.6 14.5 21.7

71 33.3 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



#10

Phenol

Concen: 4.45 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

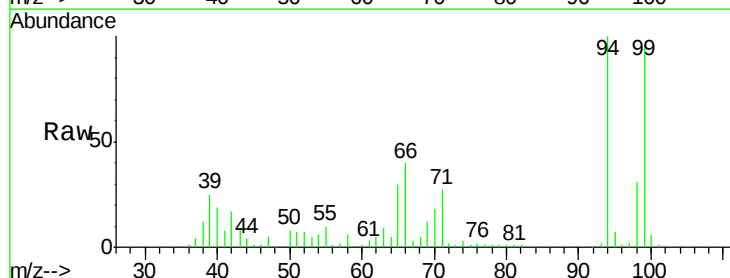
Tgt Ion: 94 Resp: 50512

Ion Ratio Lower Upper

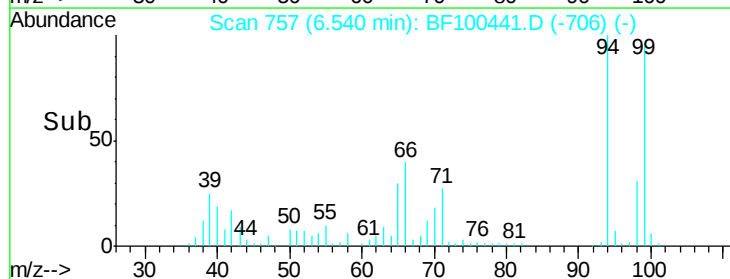
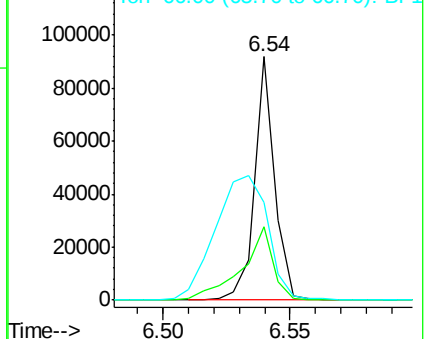
94 100

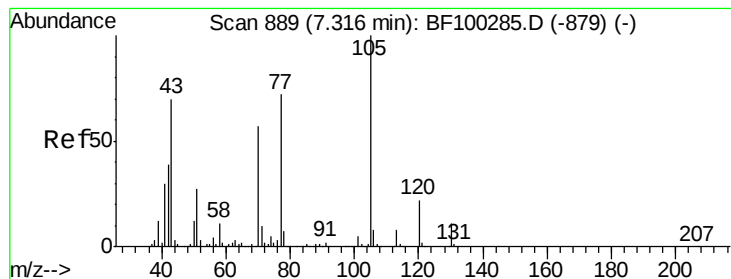
65 30.0 7.9 47.9

66 39.9 16.2 56.2



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: 11.43 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

2334

Tgt Ion: 70 Resp: 85673

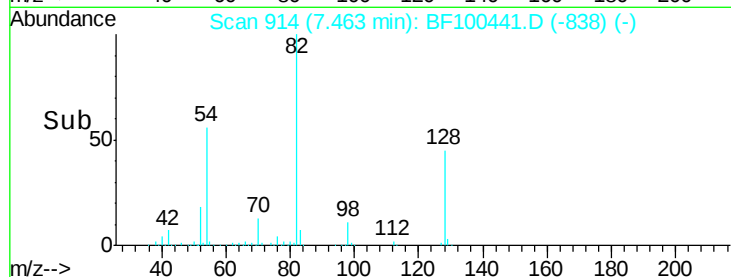
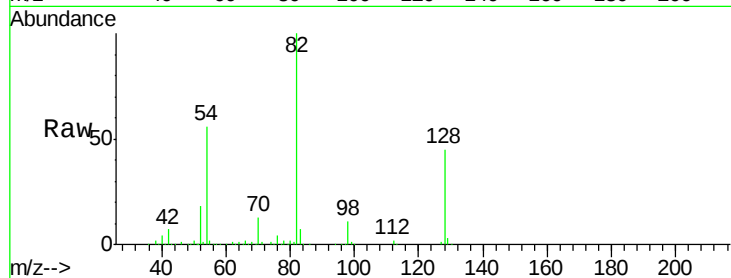
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

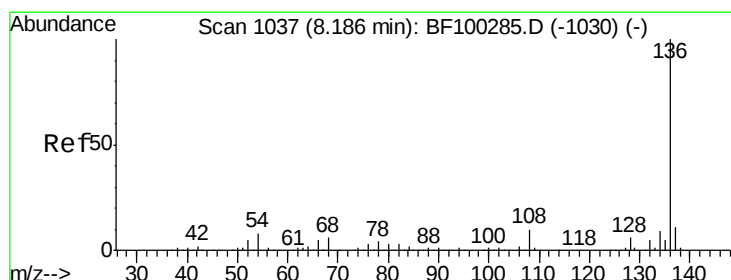
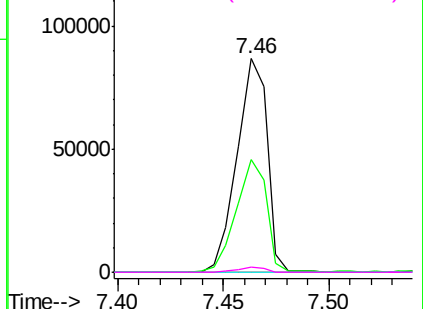


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

Tgt Ion: 136 Resp: 514225

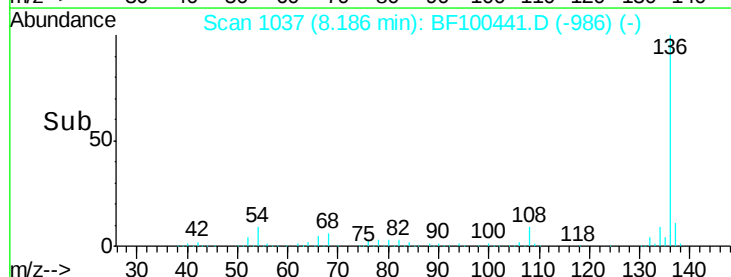
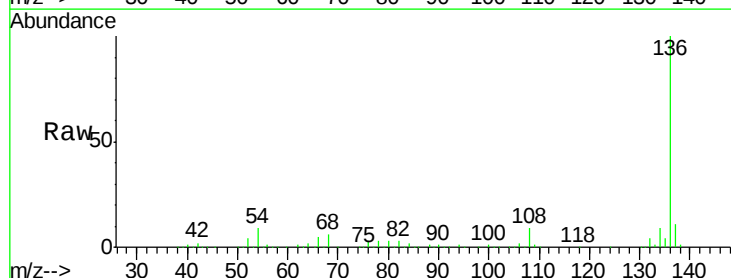
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.7 6.6 9.8

68 6.2 5.0 7.4

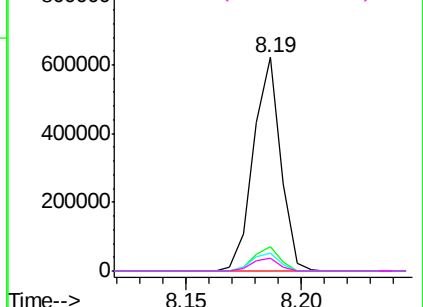


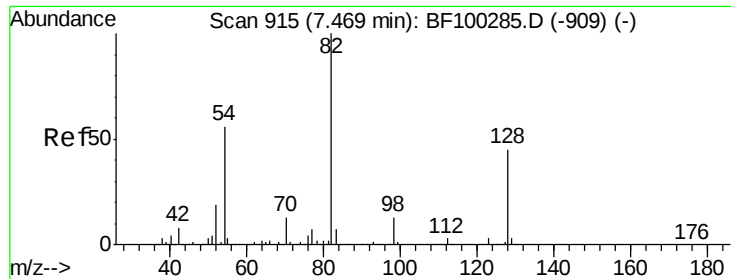
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

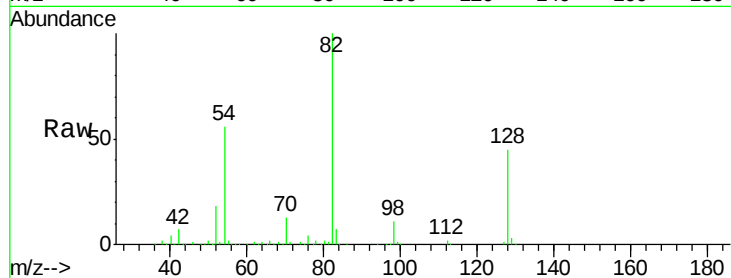




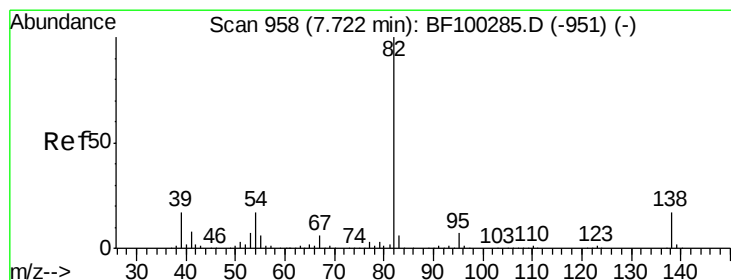
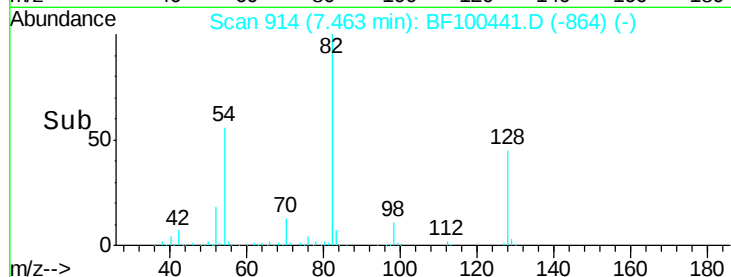
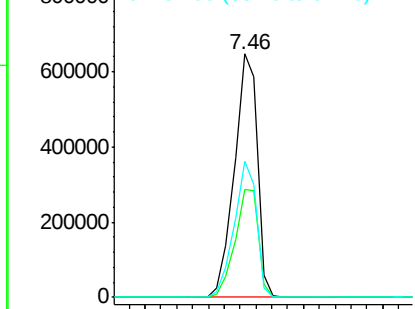
#23
Nitrobenzene-d5
Concen: 83.67 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Instrument :
BNA_F
ClientSampleId :
2334

Tgt Ion: 82 Resp: 650757
Ion Ratio Lower Upper
82 100
128 44.5 36.1 54.1
54 56.0 41.4 62.2

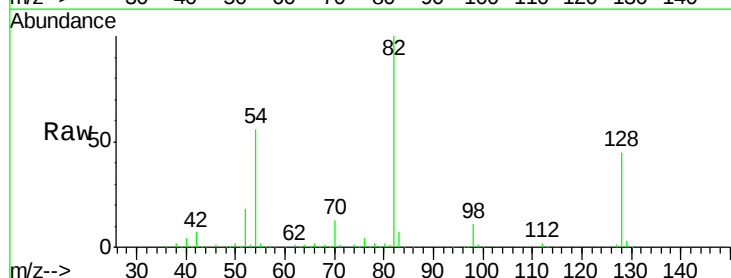


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

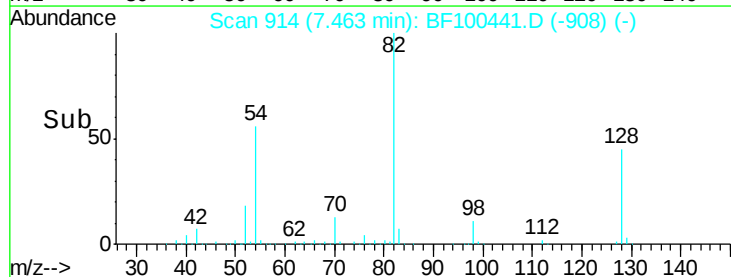
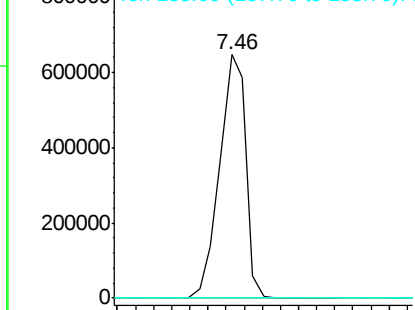


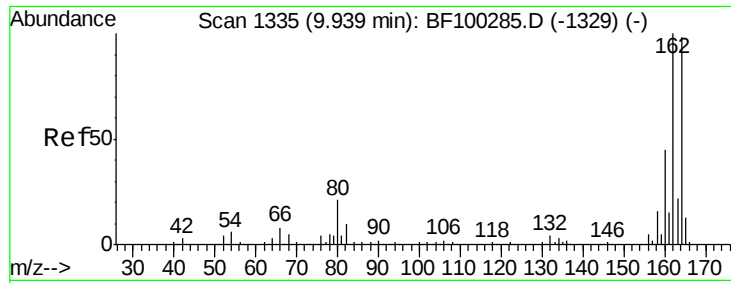
#25
Isophorone
Concen: 39.61 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.26 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Tgt Ion: 82 Resp: 647423
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: 20.00 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

2334

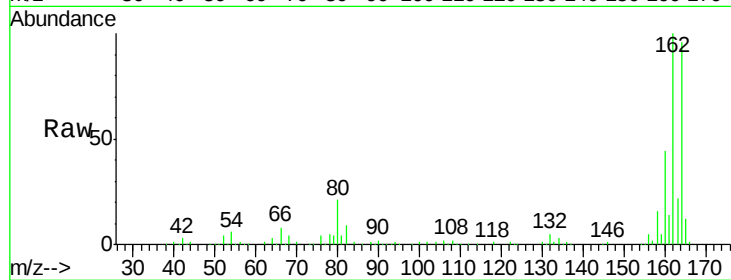
Tgt Ion:164 Resp: 197547

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

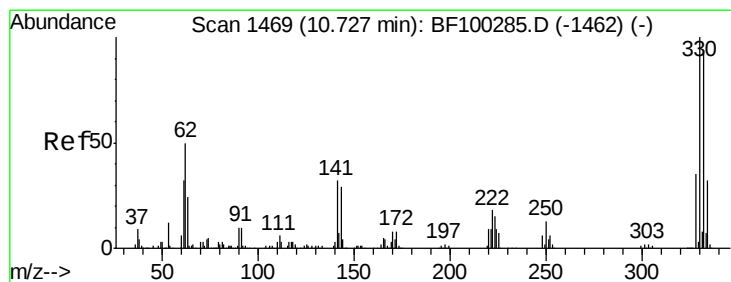
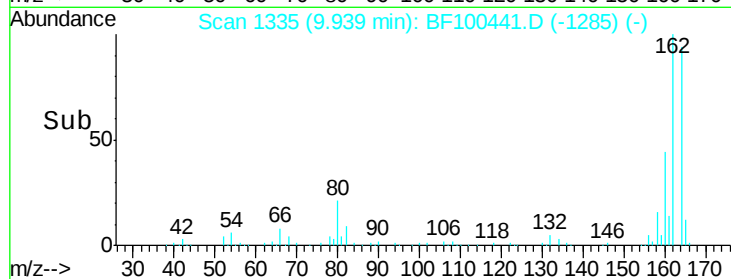
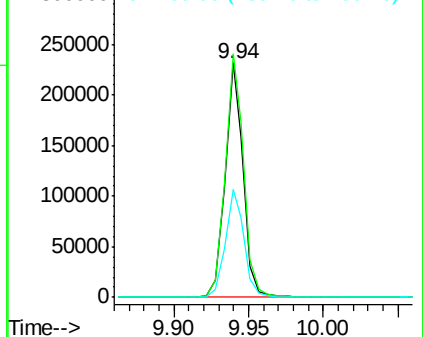
160 45.8 38.3 57.5



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: 97.13 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

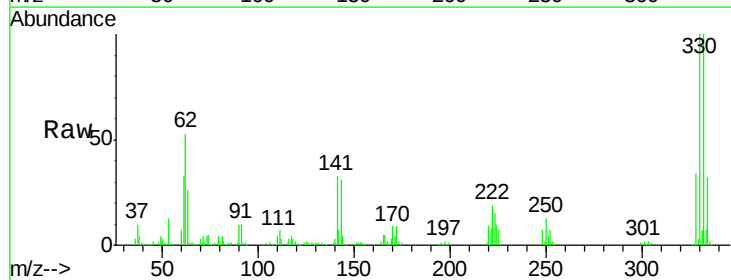
Tgt Ion:330 Resp: 195529

Ion Ratio Lower Upper

330 100

332 99.1 77.0 115.6

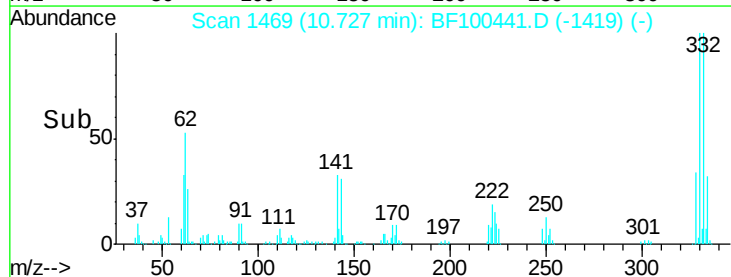
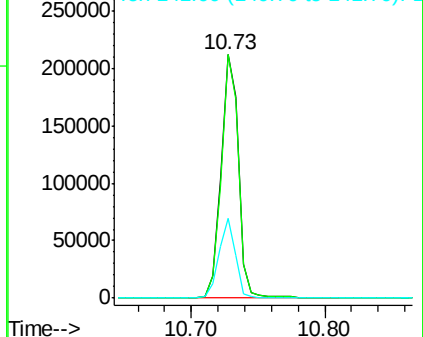
141 31.4 29.9 44.9

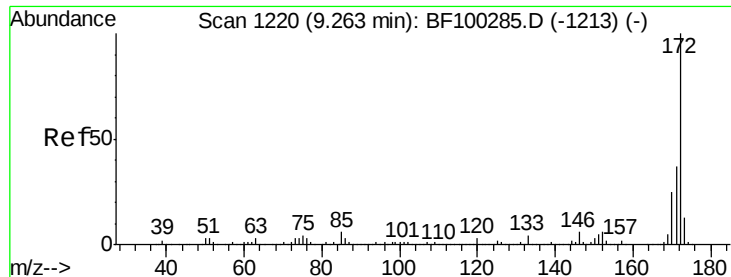


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

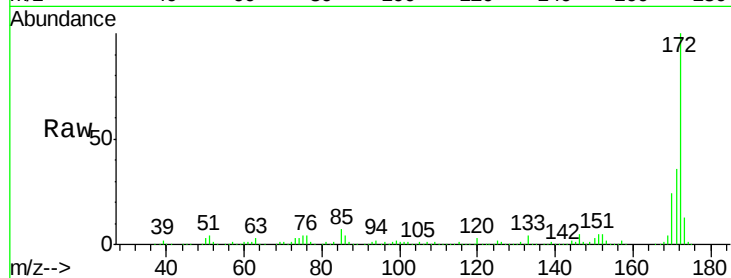




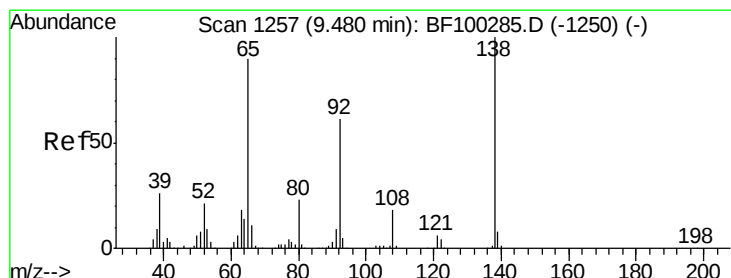
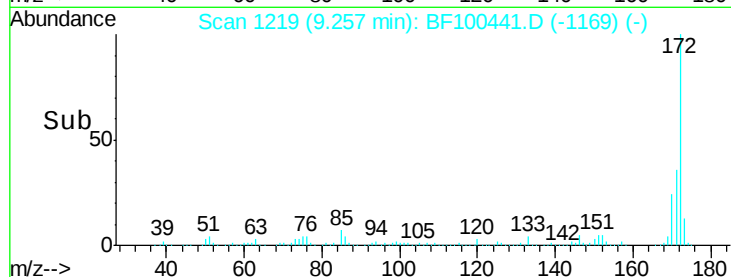
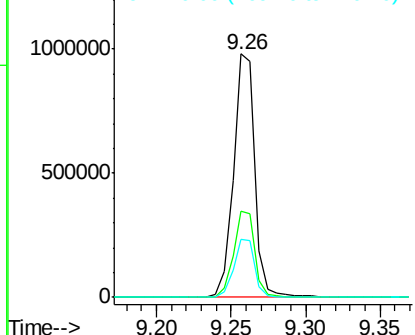
#44
2-Fluorobiphenyl
Concen: 76.12 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Instrument :
BNA_F
ClientSampleId :
2334

Tgt Ion: 172 Resp: 987542
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 23.9 19.6 29.4

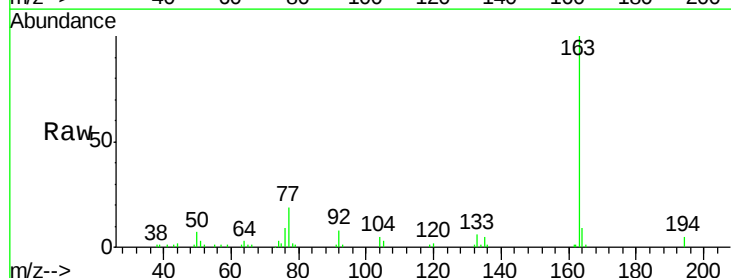


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

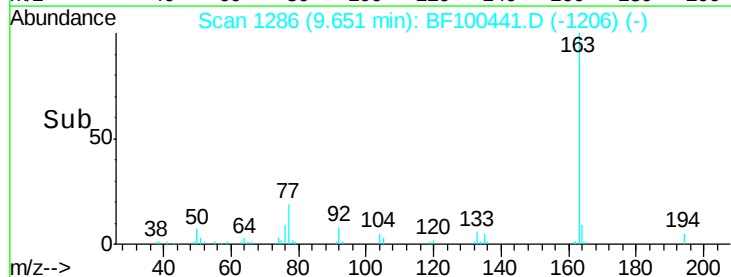
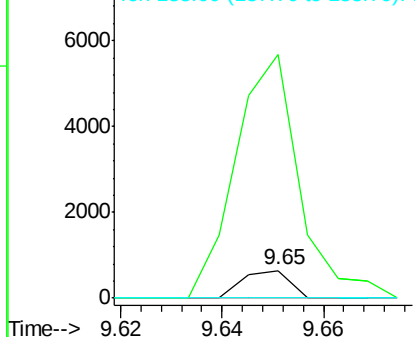


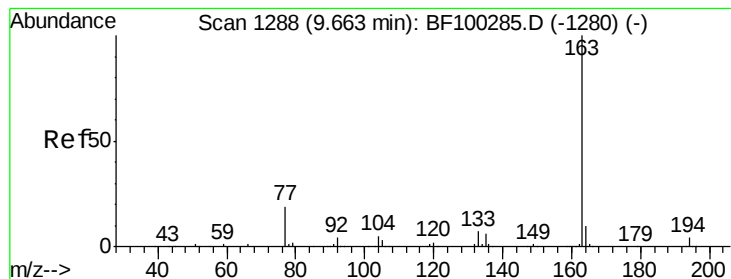
#47
2-Nitroaniline
Concen: 2.89 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.17 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Tgt Ion: 65 Resp: 425
Ion Ratio Lower Upper
65 100
92 873.4 55.8 83.6#
138 0.0 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): E





#49

Dimethylphthalate

Concen: 4.17 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

2334

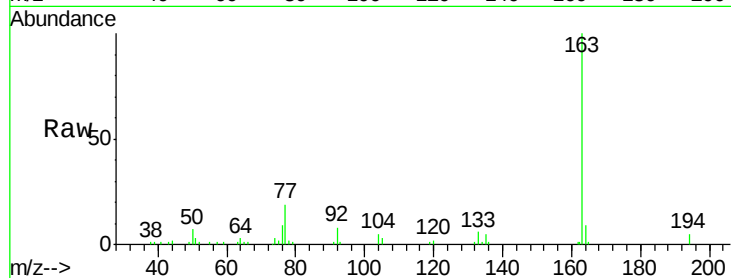
Tgt Ion:163 Resp: 62875

Ion Ratio Lower Upper

163 100

194 4.7 2.7 4.1#

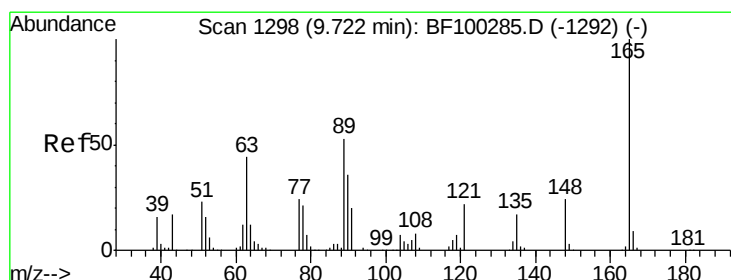
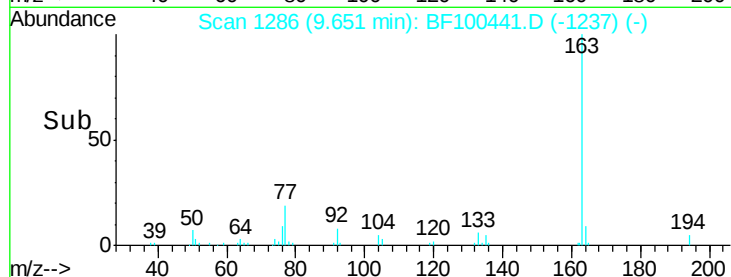
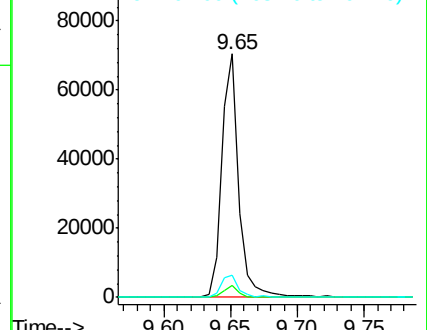
164 9.3 8.2 12.2



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: 8.17 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.22 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

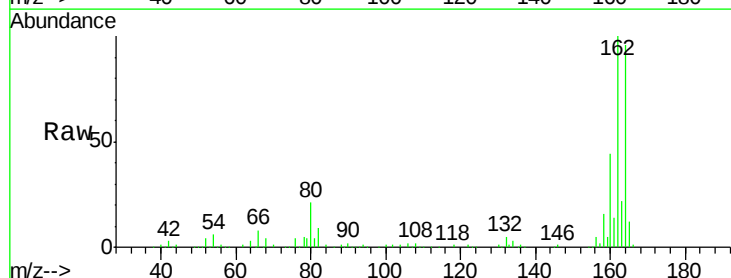
Tgt Ion:165 Resp: 24402

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

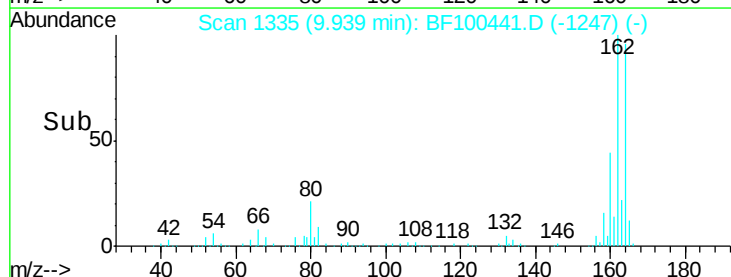
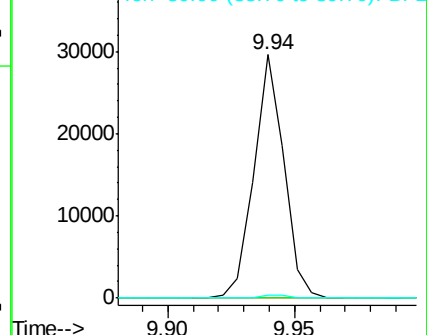
89 1.4 44.0 66.0#

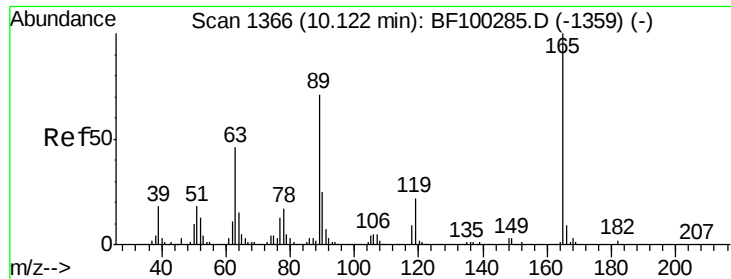


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

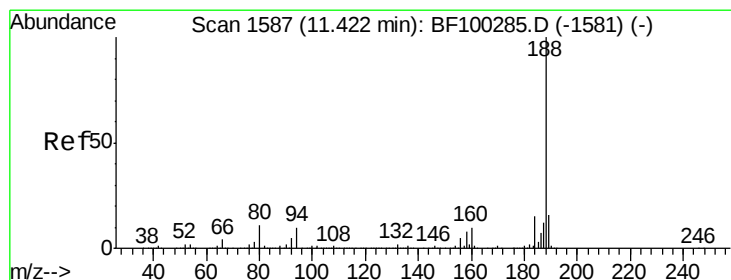
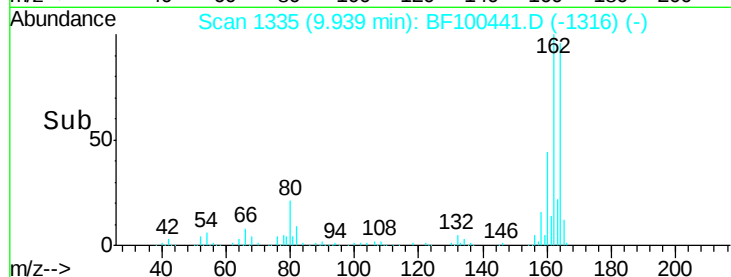
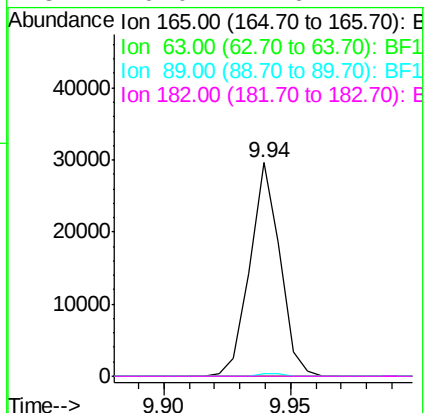
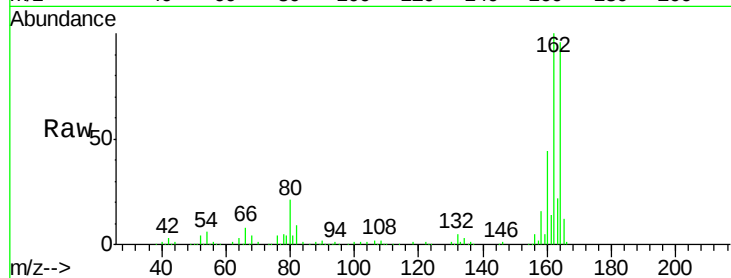




#56
 2,4-Dinitrotoluene
 Concen: 6.48 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100441.D
 Acq: 11 Nov 2017 15:29

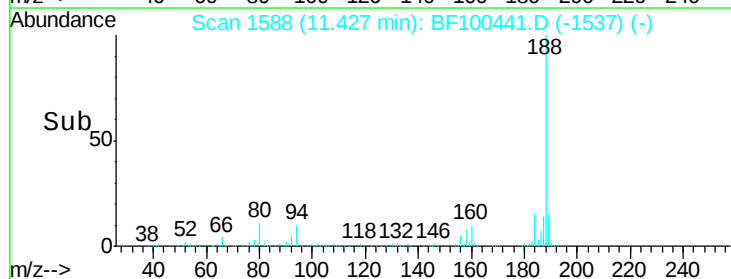
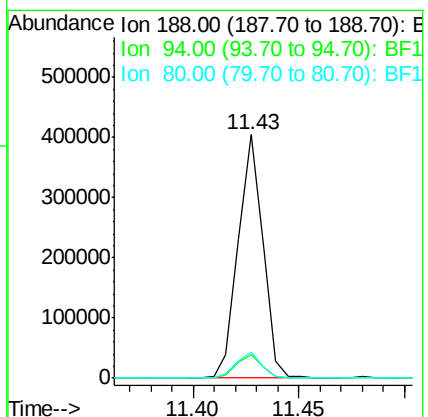
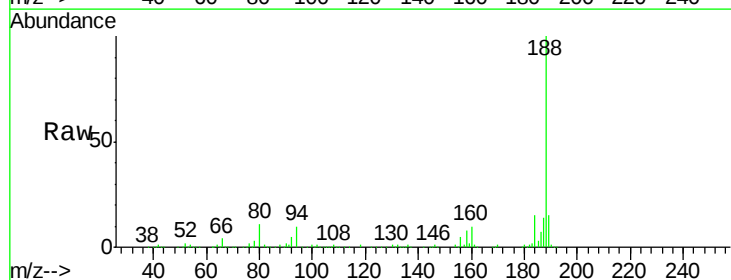
Instrument :
 BNA_F
 ClientSampleId :
 2334

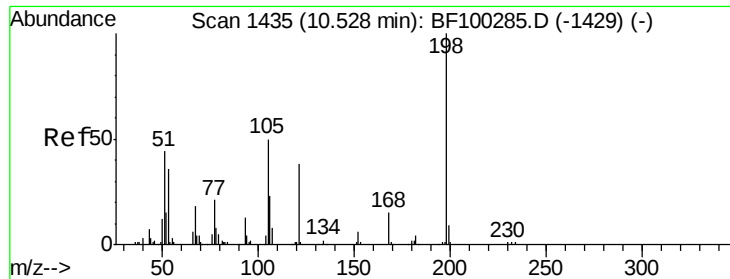
Tgt Ion:	165	Resp:	24402
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF100441.D
 Acq: 11 Nov 2017 15:29

Tgt Ion:	188	Resp:	327017
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.6	9.2	13.8

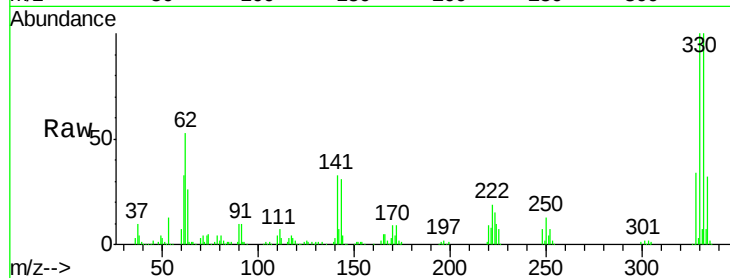




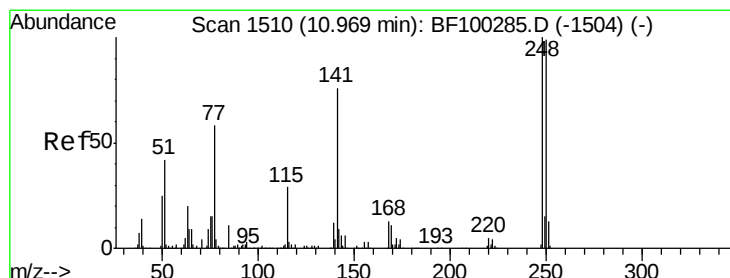
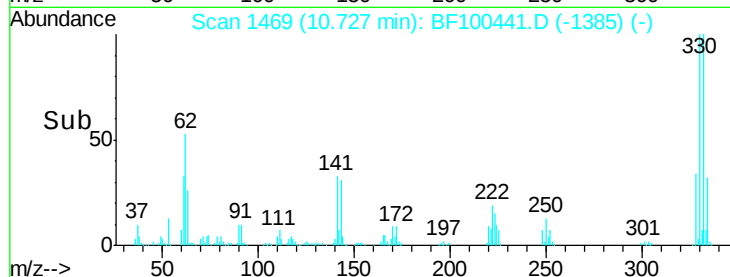
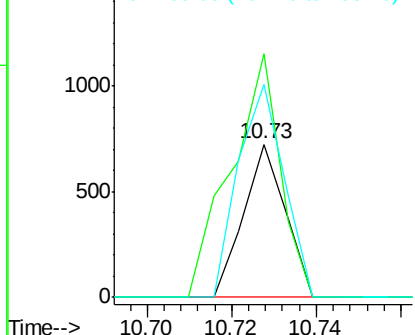
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.82 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.19 min
 Lab File: BF100441.D
 Acq: 11 Nov 2017 15:29

Instrument :
 BNA_F
 ClientSampleId :
 2334

Tgt Ion:198 Resp: 496
 Ion Ratio Lower Upper
 198 100
 51 158.9 37.7 77.7#
 105 138.6 36.3 76.3#

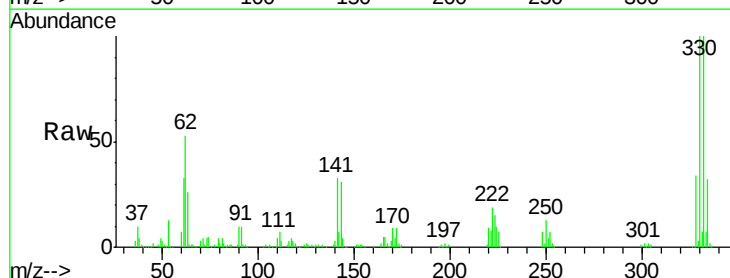


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

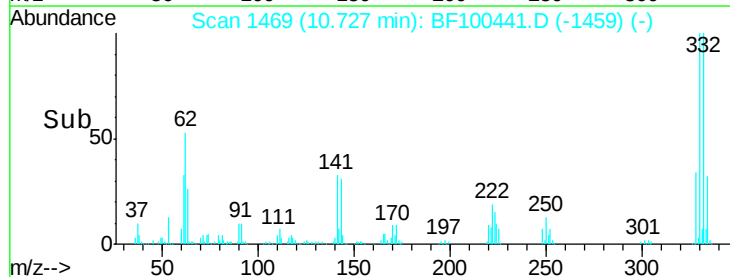
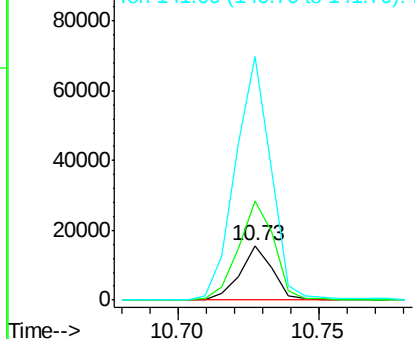


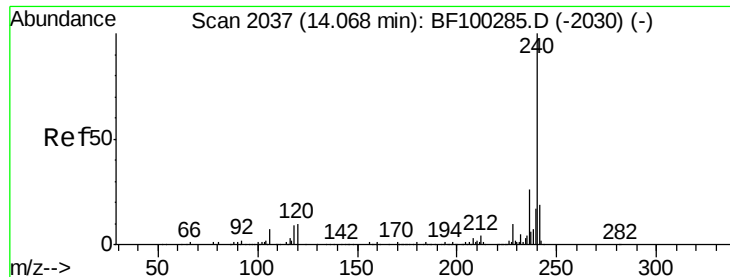
#66
 4-Bromophenyl-phenylether
 Concen: 3.56 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF100441.D
 Acq: 11 Nov 2017 15:29

Tgt Ion:248 Resp: 12464
 Ion Ratio Lower Upper
 248 100
 250 181.3 76.9 115.3#
 141 446.0 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: 20.00 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

Instrument :

BNA_F

ClientSampleId :

2334

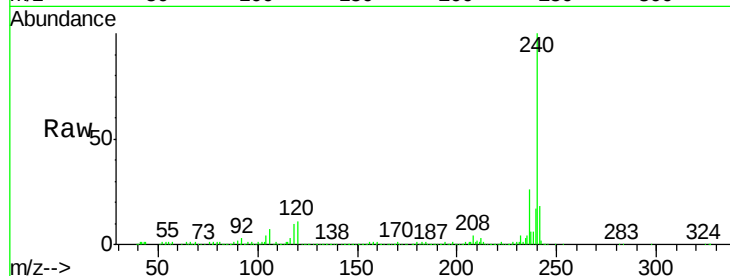
Tgt Ion:240 Resp: 306901

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

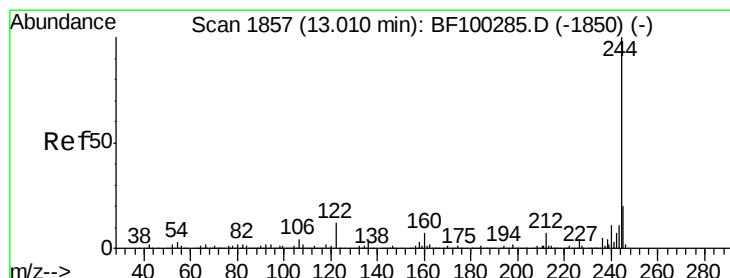
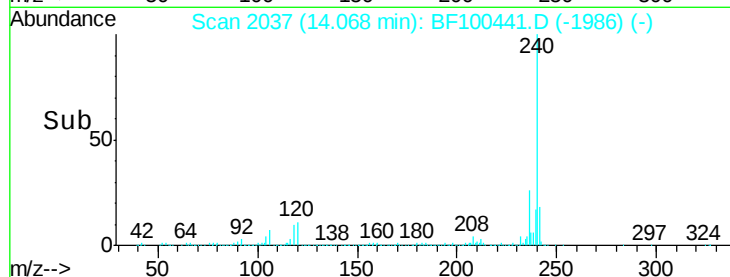
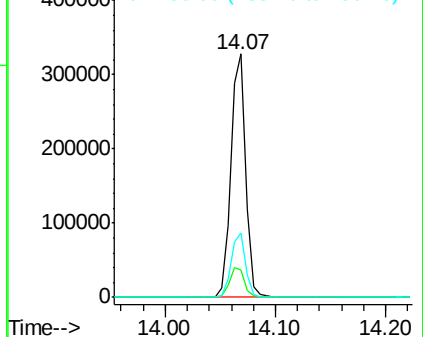
236 26.3 20.7 31.1



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: 59.23 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100441.D

Acq: 11 Nov 2017 15:29

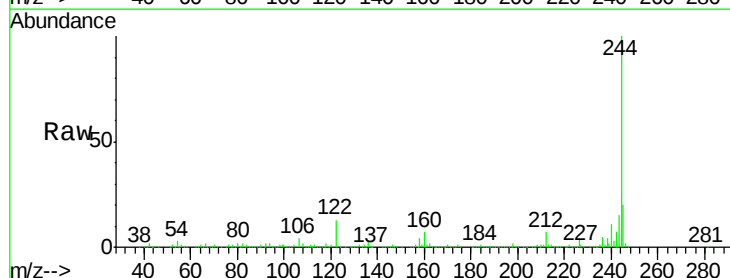
Tgt Ion:244 Resp: 791066

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

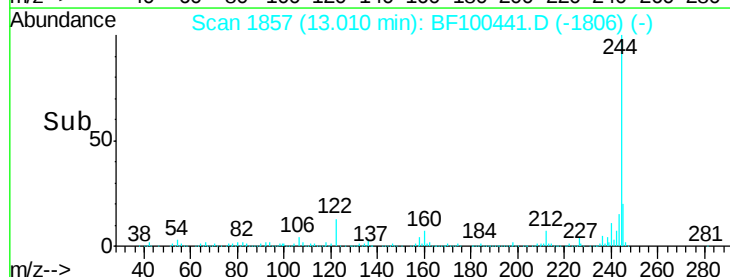
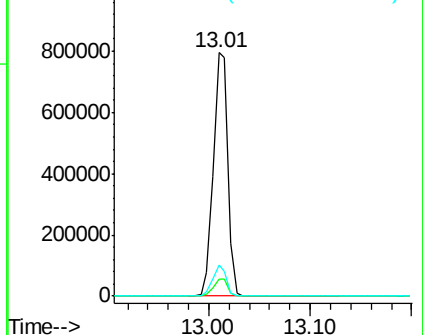
122 12.8 11.0 16.4

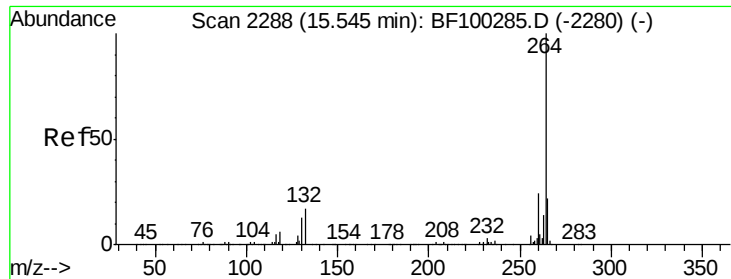


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

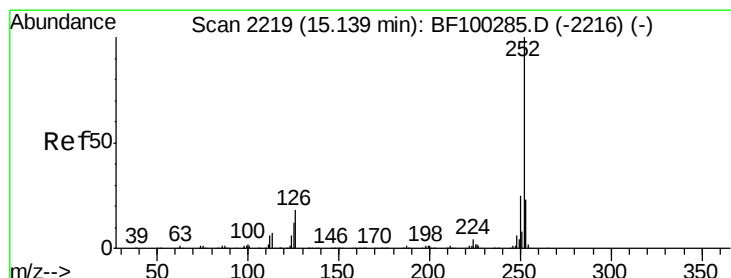
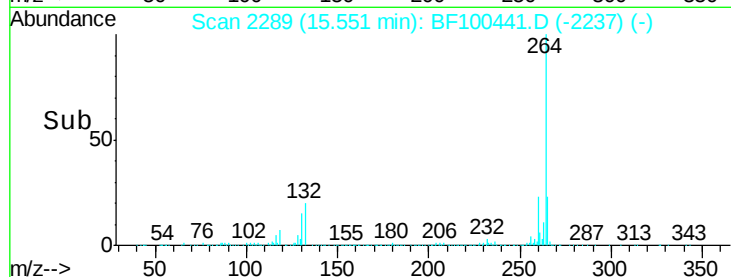
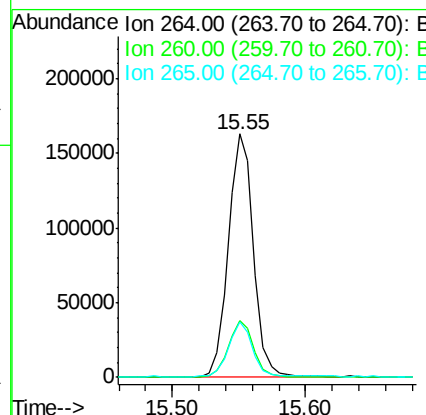
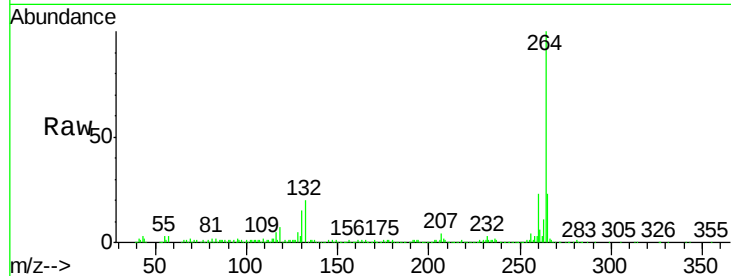




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Instrument :
BNA_F
ClientSampleId :
2334

Tgt Ion:264 Resp: 216466
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 23.0 17.5 26.3



#88
Benzo(k)fluoranthene
Concen: 2.09 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF100441.D
Acq: 11 Nov 2017 15:29

Tgt Ion:252 Resp: 25360
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 20.4 10.2 15.2#

