

Data File : BF100552.D
Acq On : 14 Nov 2017 19:36
Operator : SJ/JU
Sample : I6441-29
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-16

Quant Time: Nov 15 00:55:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 14 14:17:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	117415	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	432568	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	164970	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	267865	20.00	ng	0.00
75) Chrysene-d12	14.04	240	265814	20.00	ng	0.00
86) Perylene-d12	15.52	264	185959	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	782731	106.86	ng	0.00
7) Phenol-d6	6.51	99	948292	104.99	ng	0.00
23) Nitrobenzene-d5	7.45	82	577123	88.21	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	166049	98.78	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	872417	80.53	ng	0.00
78) Terphenyl-d14	12.99	244	665038	57.49	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.52	94	54637	5.76	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	75460	12.05	ng	# 82
25) Isophorone	7.45	82	577114	41.97	ng	# 64
47) 2-Nitroaniline	9.63	65	1190	3.15	ng	# 1
49) Dimethylphthalate	9.63	163	125088	9.93	ng	98
56) 2,4-Dinitrotoluene	9.92	165	20167	6.41	ng	# 23
62) Azobenzene	10.63	77	62651	5.28	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.71	198	304	8.75	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	10595	3.69	ng	# 1
74) Fluoranthene	12.62	202	64835	4.34	ng	98
77) Pyrene	12.84	202	64057	3.38	ng	98
80) Benzo(a)anthracene	14.07	228	34250	2.14	ng	93
82) Chrysene	14.07	228	34250	2.21	ng	98
87) Benzo(b)fluoranthene	15.09	252	46212	4.19	ng	# 95
88) Benzo(k)fluoranthene	15.09	252	46212	4.44	ng	98
89) Benzo(a)pyrene	15.45	252	24954	2.55	ng	# 93

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

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BNA_F

ClientSampleId :

TP-16

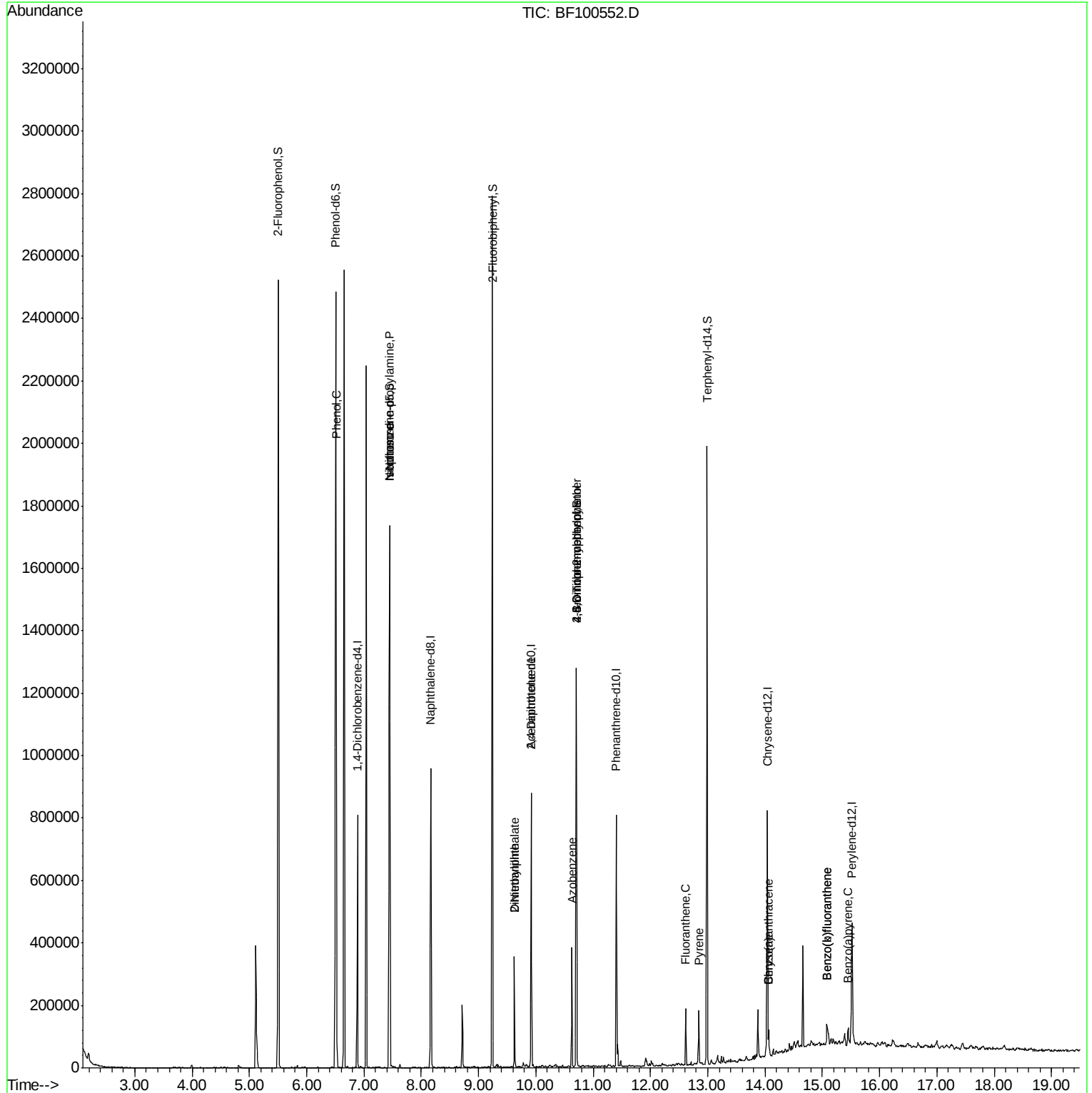
Quant Time: Nov 15 00:55:39 2017

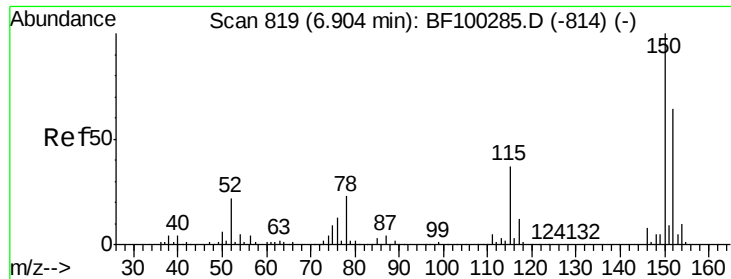
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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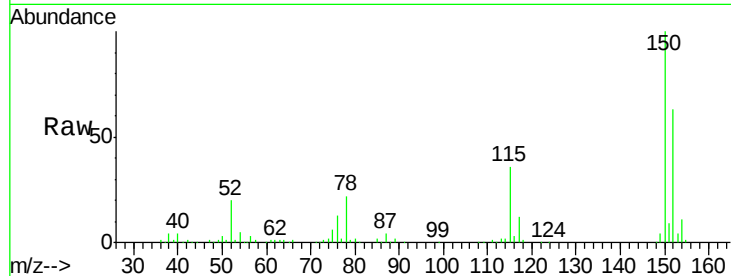


#1

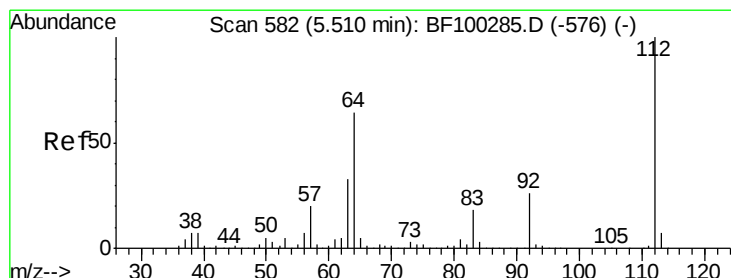
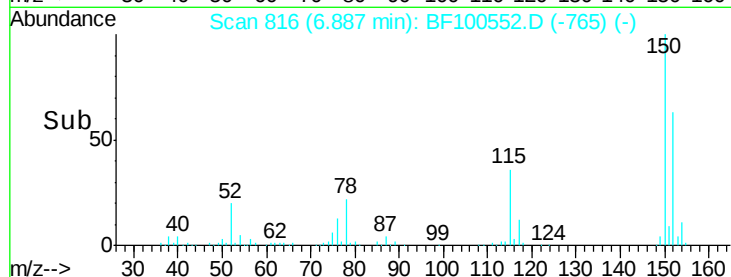
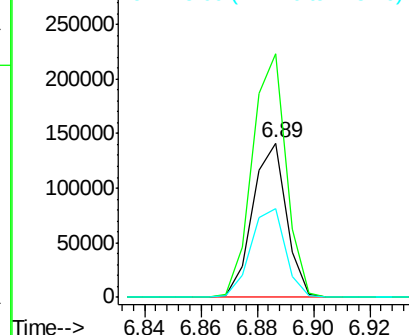
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Instrument :
BNA_F
ClientSampleId :
TP-16

Tgt Ion:152 Resp: 117415
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 57.4 50.1 75.1



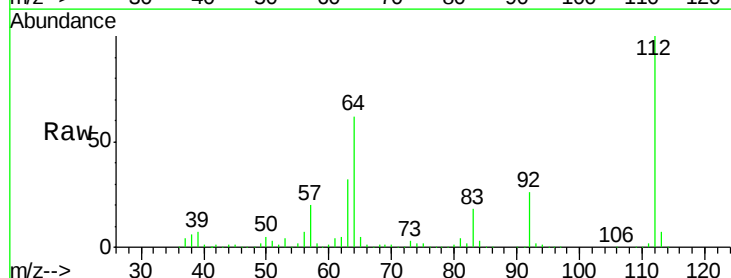
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



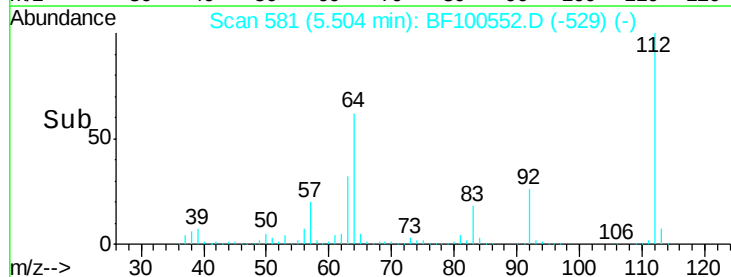
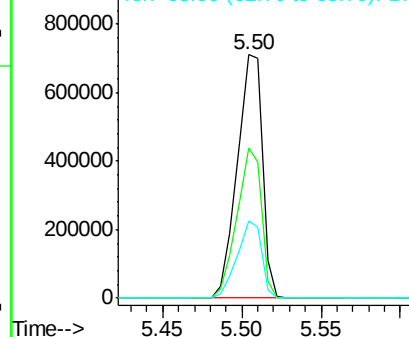
#5

2-Fluorophenol
Concen: 106.86 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Tgt Ion:112 Resp: 782731
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 31.6 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: 104.99 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

ClientSampleId :

TP-16

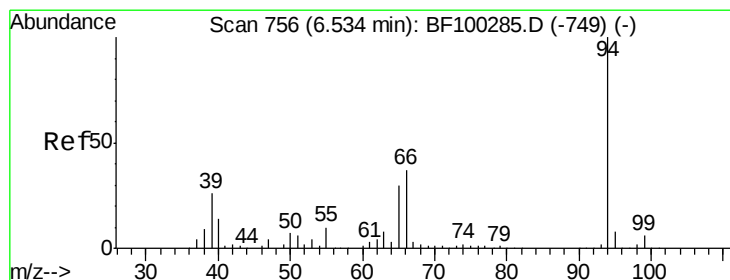
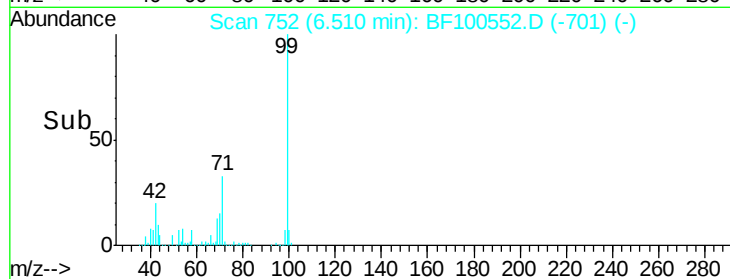
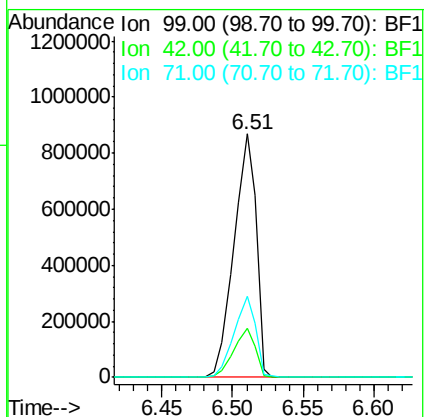
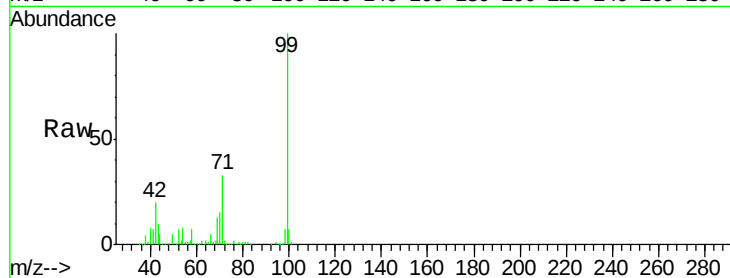
Tgt Ion: 99 Resp: 948292

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 33.1 25.4 38.0



#10

Phenol

Concen: 5.76 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

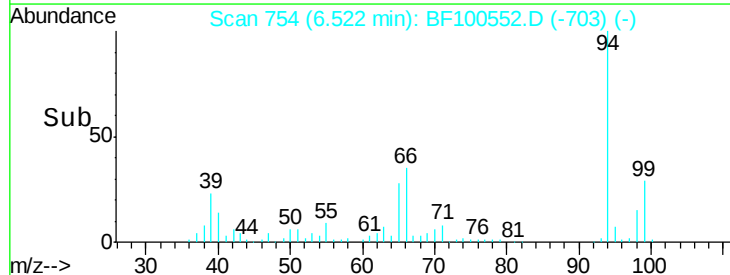
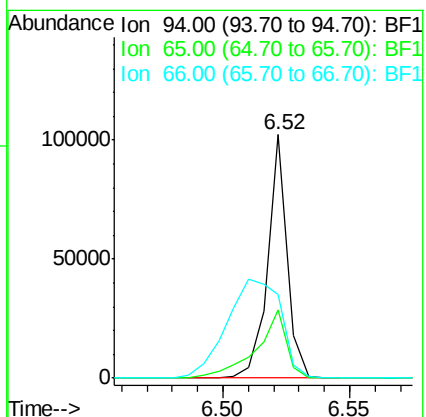
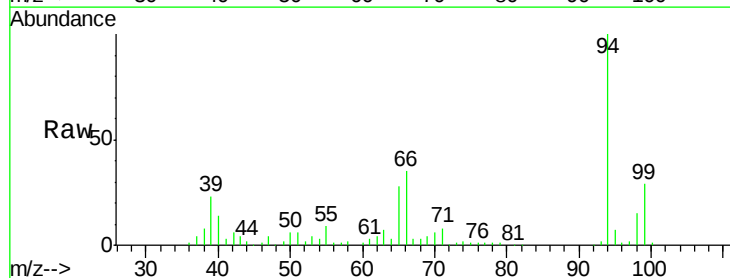
Tgt Ion: 94 Resp: 54637

Ion Ratio Lower Upper

94 100

65 27.8 7.9 47.9

66 34.5 16.2 56.2

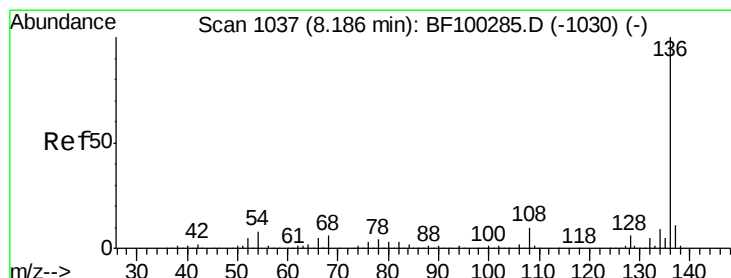
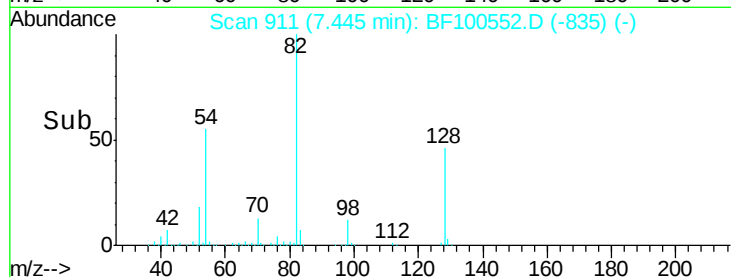
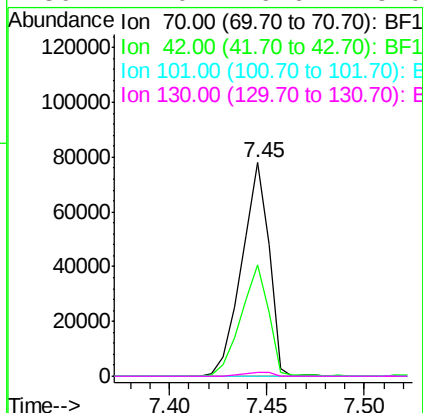
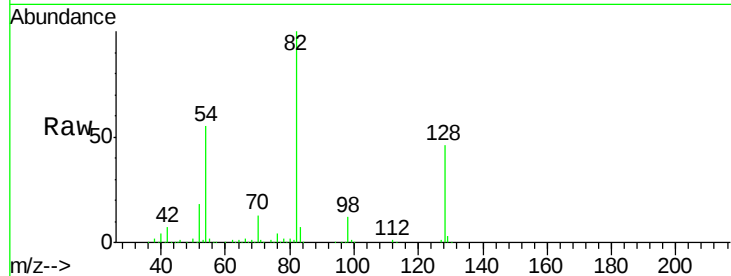




#19
n-Nitroso-di-n-propylamine
Concen: 12.05 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

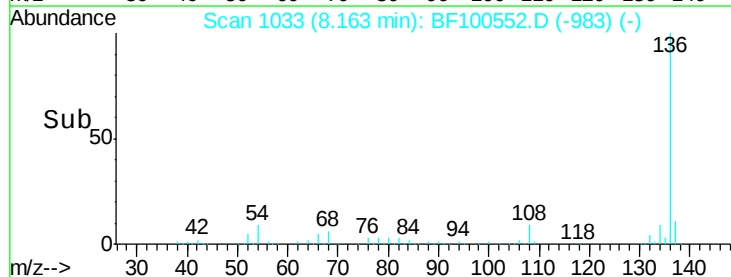
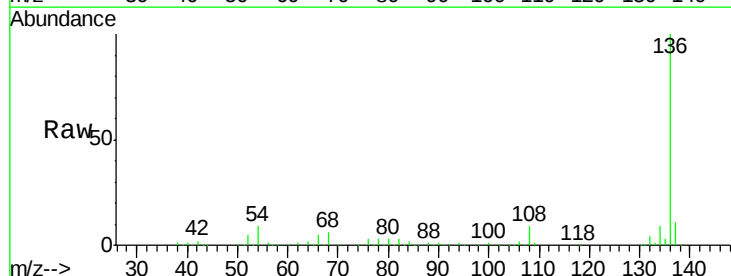
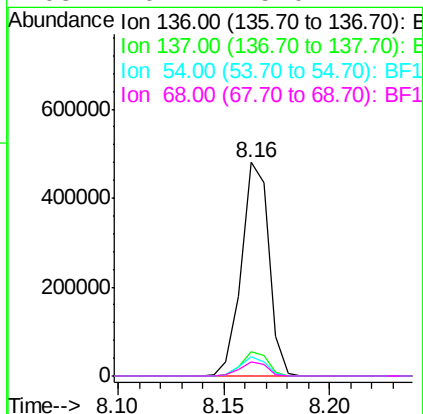
Instrument :
BNA_F
ClientSampled :
TP-16

Tgt Ion: 70 Resp: 75460
Ion Ratio Lower Upper
70 100
42 52.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Tgt Ion: 136 Resp: 432568
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.8 6.6 9.8
68 6.4 5.0 7.4

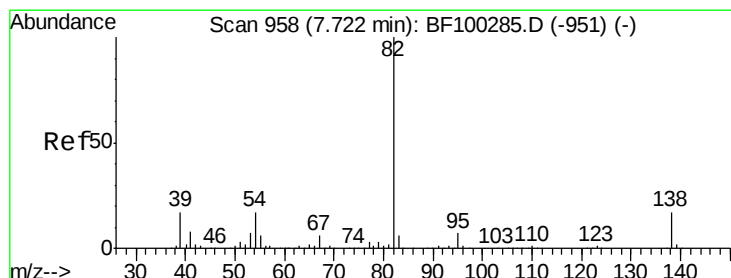
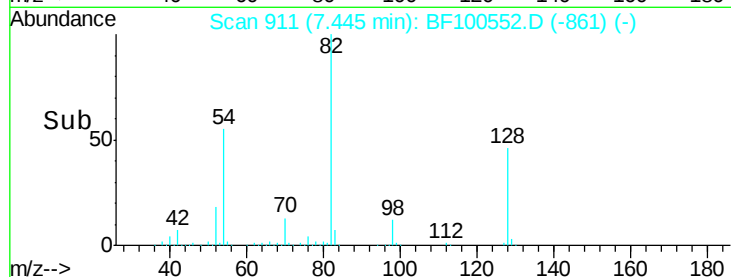
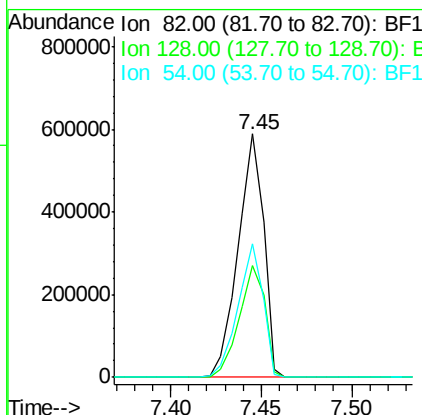
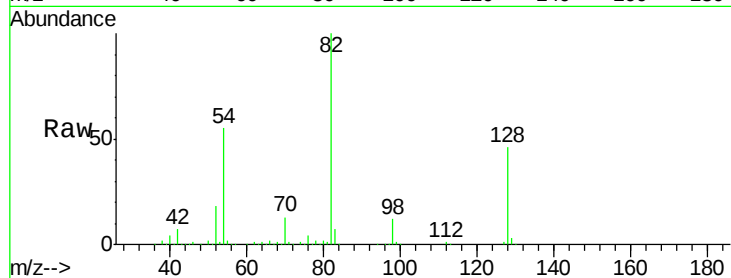




#23
 Nitrobenzene-d5
 Concen: 88.21 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

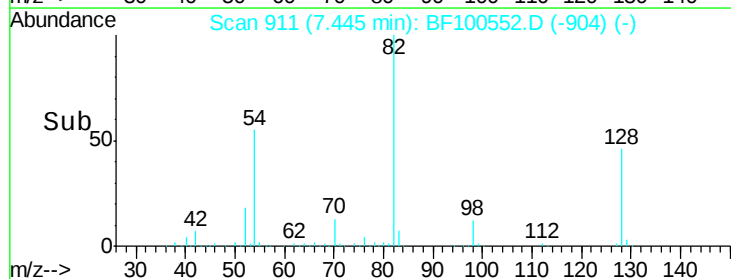
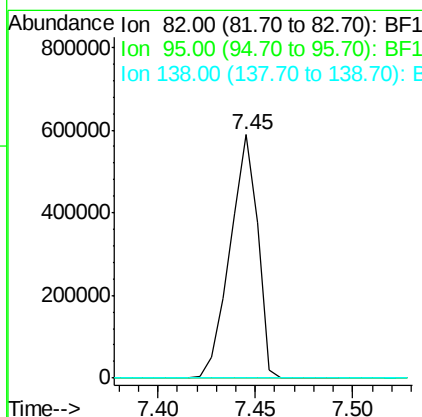
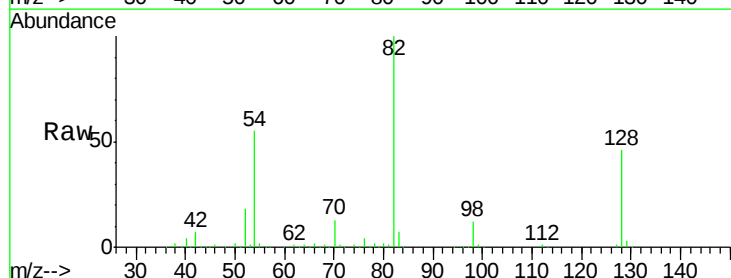
Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Tgt Ion: 82 Resp: 577123
 Ion Ratio Lower Upper
 82 100
 128 45.8 36.1 54.1
 54 54.8 41.4 62.2



#25
 Isophorone
 Concen: 41.97 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Tgt Ion: 82 Resp: 577114
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

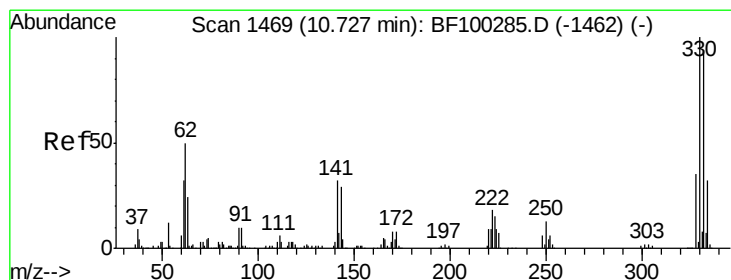
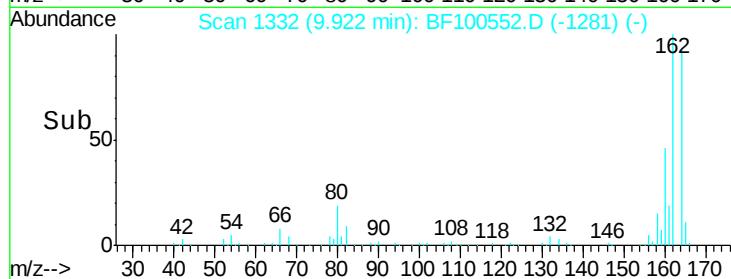
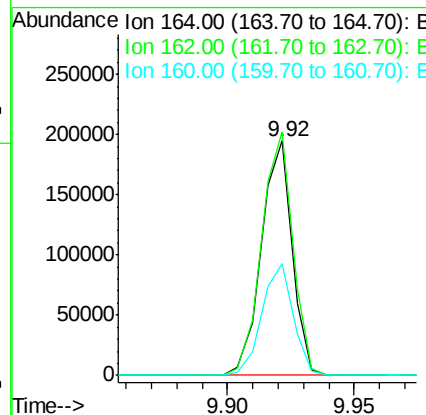
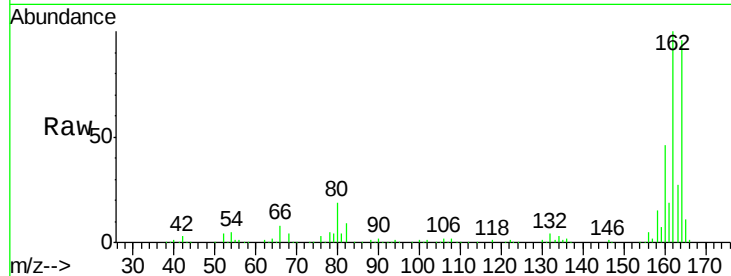




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

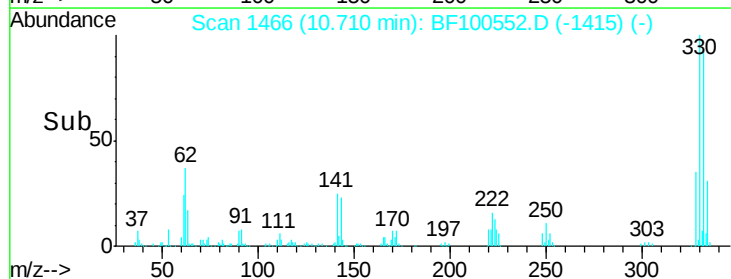
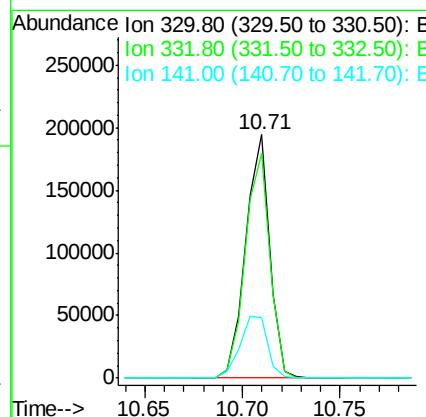
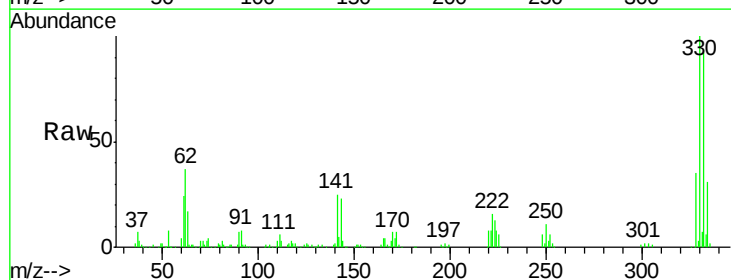
Instrument :
 BNA_F
 ClientSampleId :
 TP-16

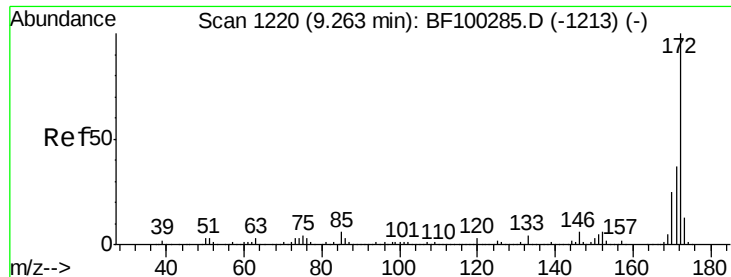
Tgt Ion:164 Resp: 164970
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 47.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 98.78 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Tgt Ion:330 Resp: 166049
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 29.2 29.9 44.9#

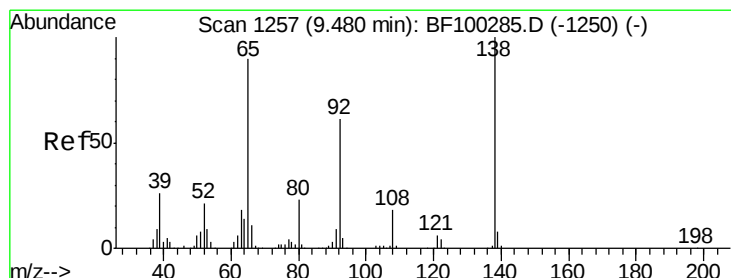
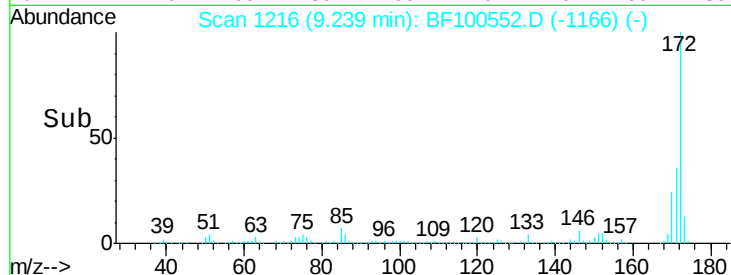
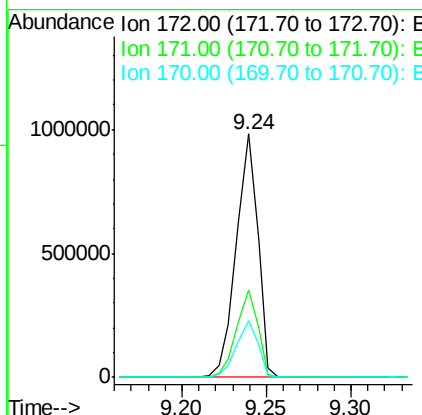
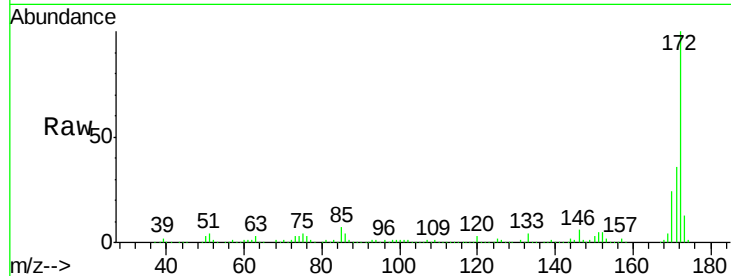




#44
 2-Fluorobiphenyl
 Concen: 80.53 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

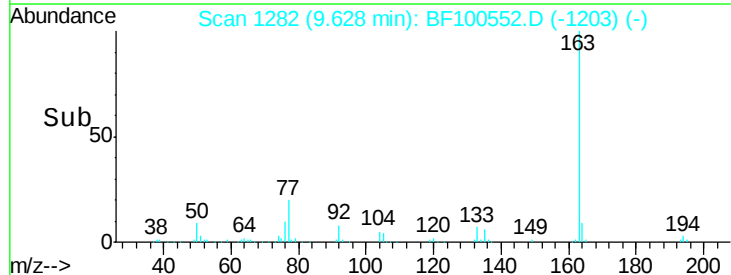
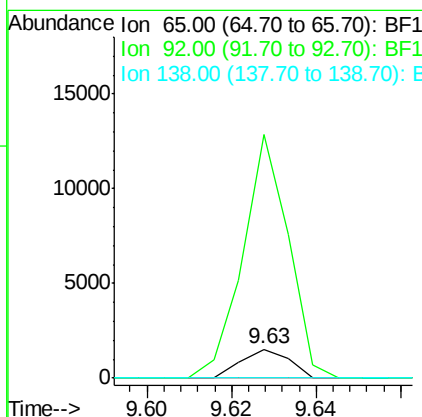
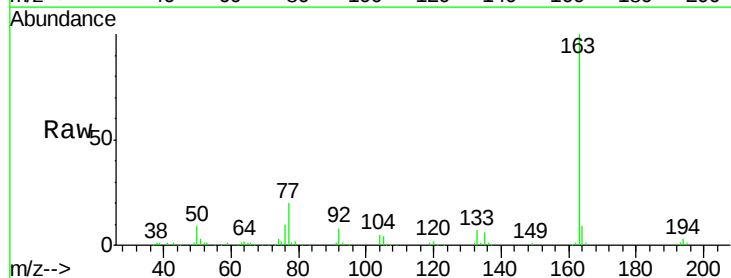
Instrument :
 BNA_F
 ClientSampleId :
 TP-16

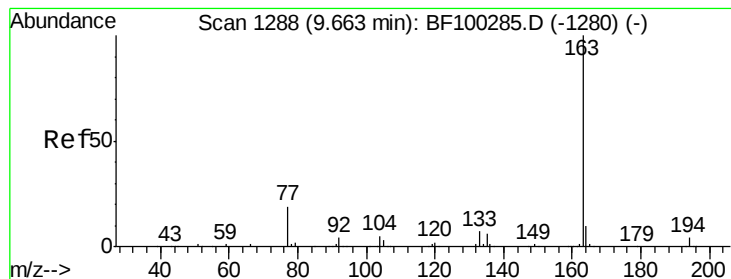
Tgt Ion: 172 Resp: 872417
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.6 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.15 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.16 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Tgt Ion: 65 Resp: 1190
 Ion Ratio Lower Upper
 65 100
 92 848.7 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 9.93 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

ClientSampleId :

TP-16

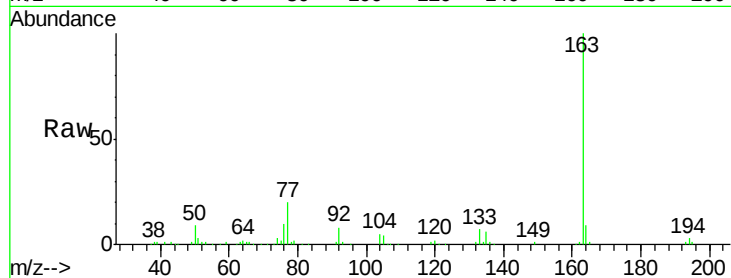
Tgt Ion:163 Resp: 125088

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

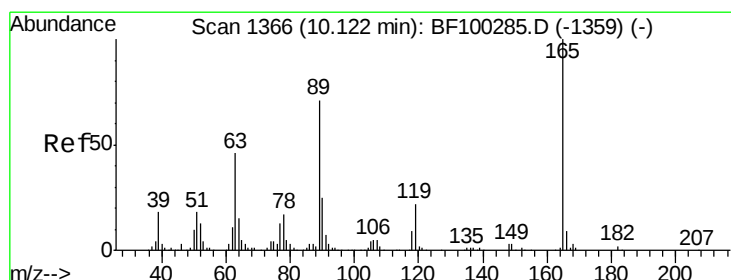
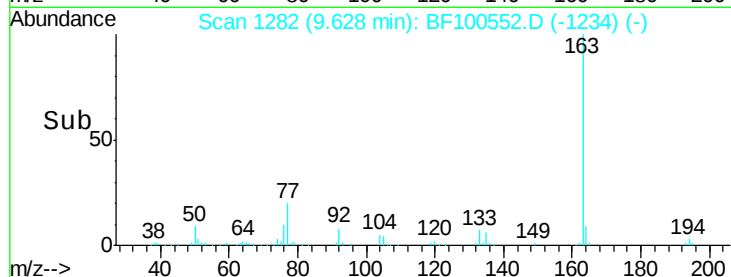
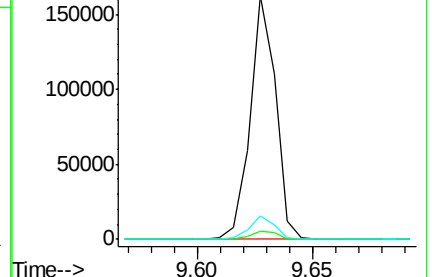
164 9.4 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.41 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tgt Ion:165 Resp: 20167

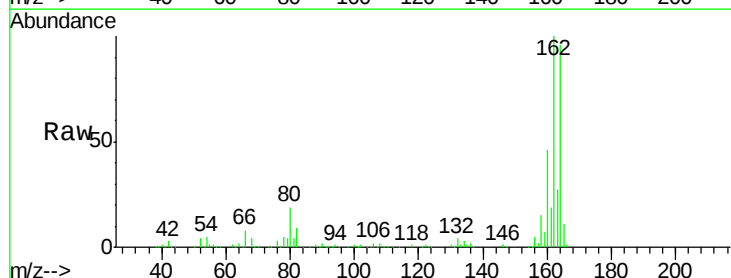
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

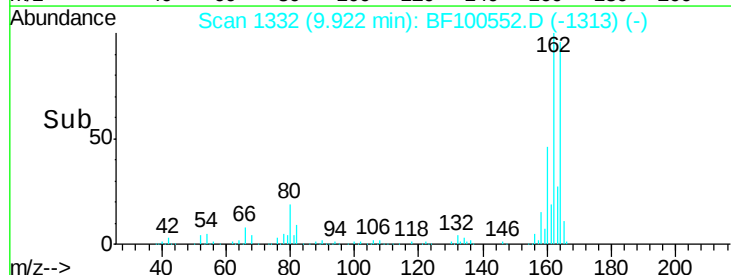
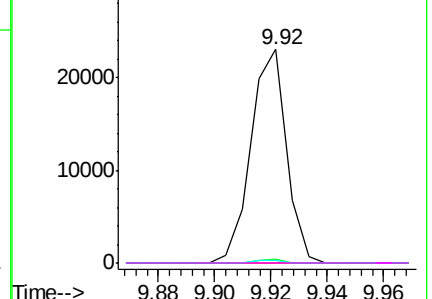


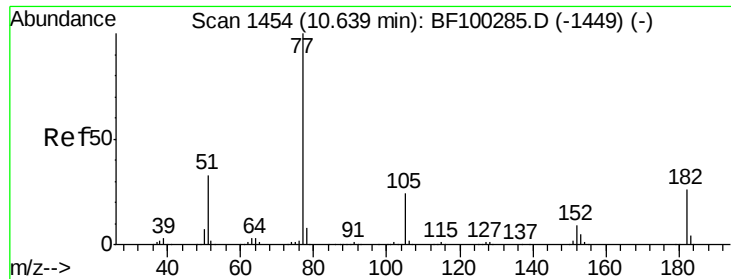
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 5.28 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

ClientSampleId :

TP-16

Tgt Ion: 77 Resp: 62651

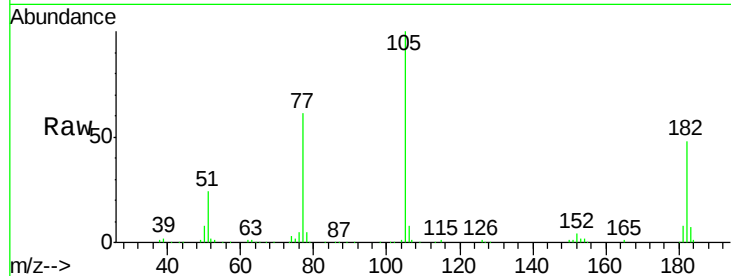
Ion Ratio Lower Upper

77 100

182 79.3 1.7 41.7#

105 164.6 3.0 43.0#

51 39.1 9.9 49.9

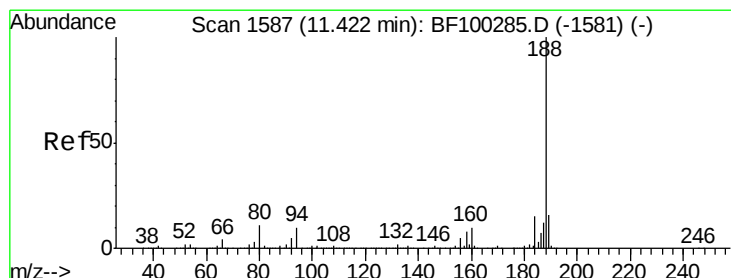
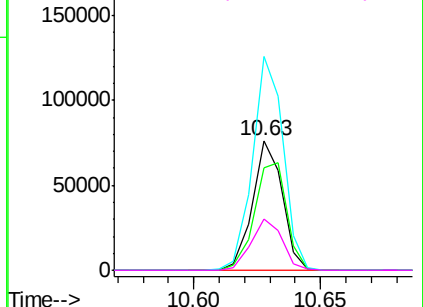
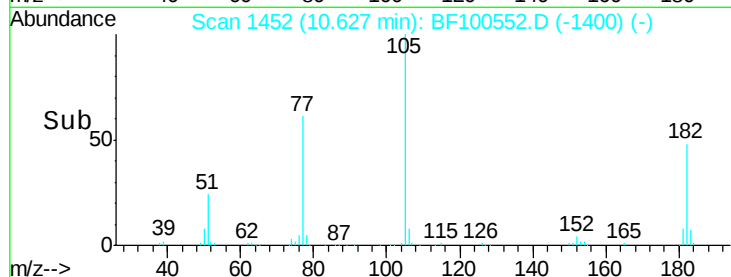


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

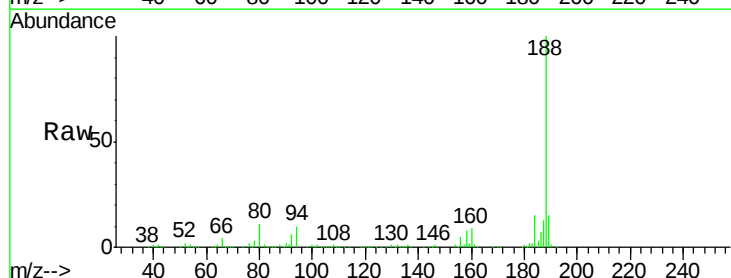
Tgt Ion: 188 Resp: 267865

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

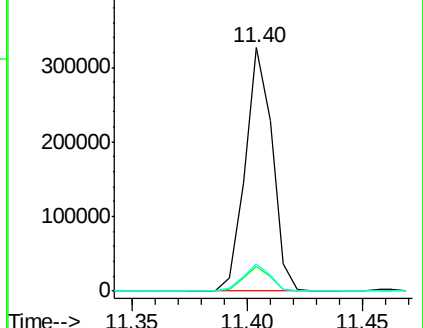
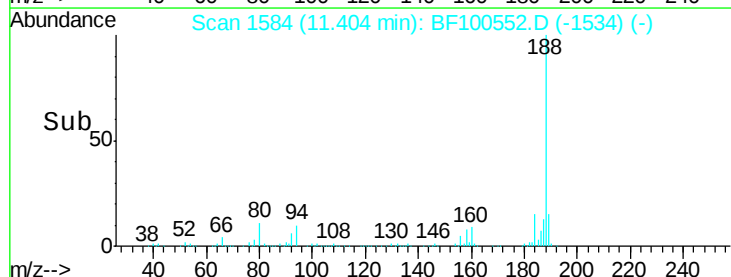
80 11.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

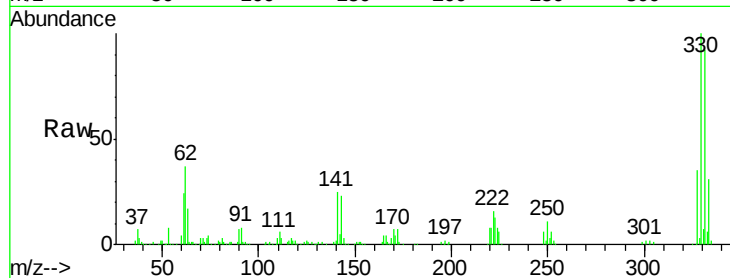




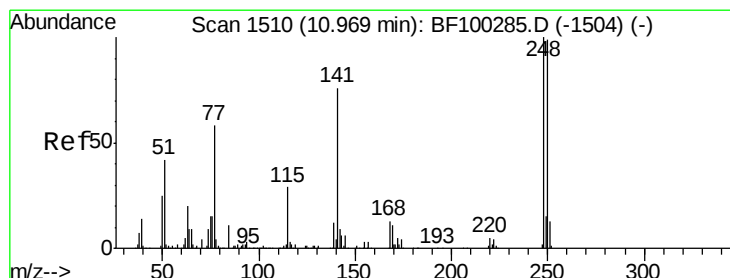
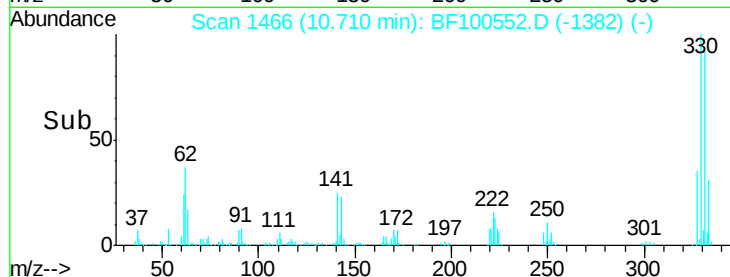
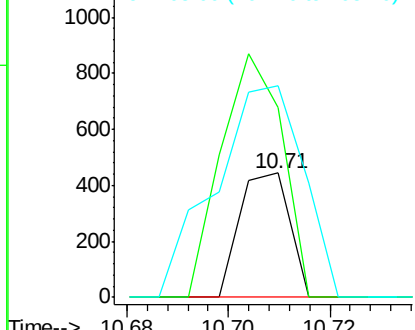
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.75 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Tgt Ion:198 Resp: 304
 Ion Ratio Lower Upper
 198 100
 51 152.6 37.7 77.7#
 105 169.7 36.3 76.3#

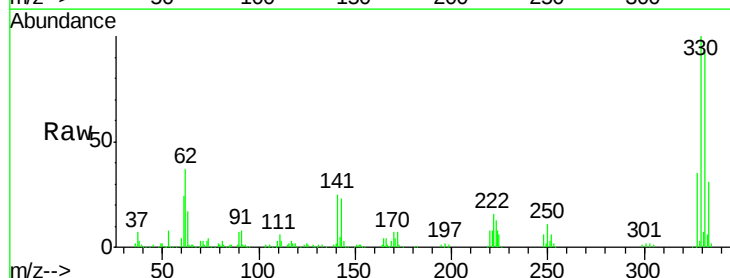


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

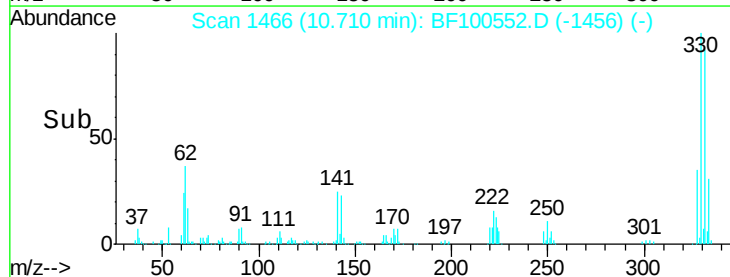
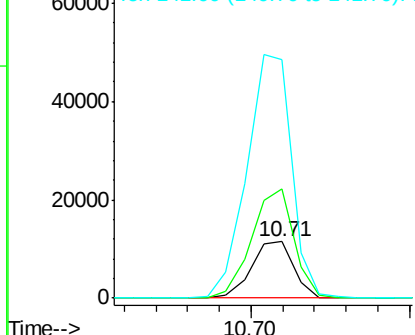


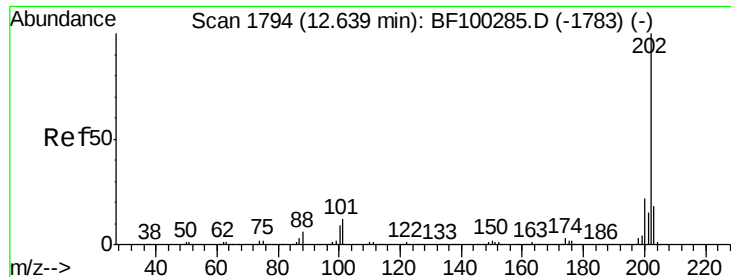
#66
 4-Bromophenyl-phenylether
 Concen: 3.69 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Tgt Ion:248 Resp: 10595
 Ion Ratio Lower Upper
 248 100
 250 192.9 76.9 115.3#
 141 420.7 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





#74

Fluoranthene

Concen: 4.34 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

ClientSampled :

TP-16

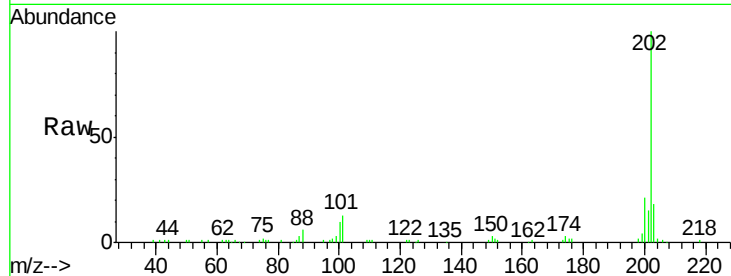
Tgt Ion:202 Resp: 64835

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

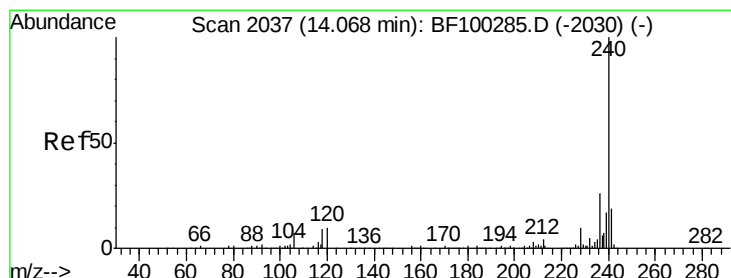
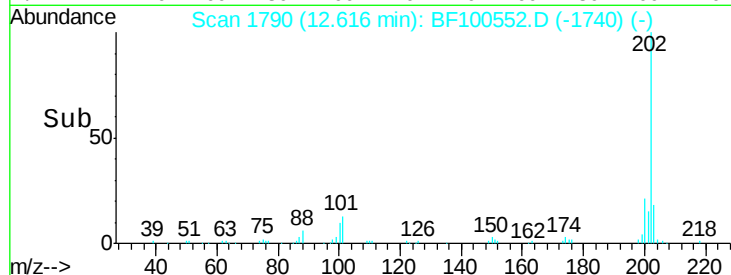
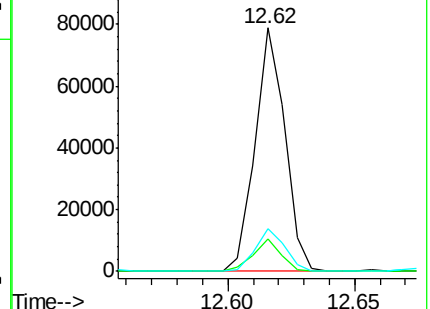
203 17.6 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

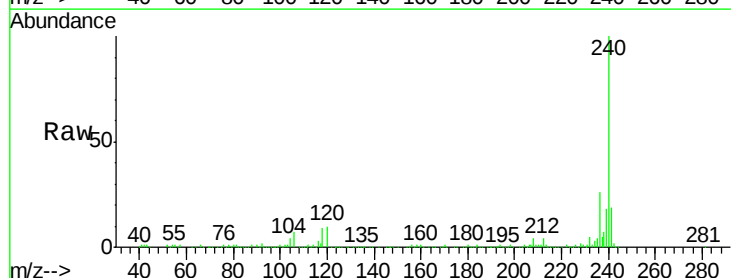
Tgt Ion:240 Resp: 265814

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

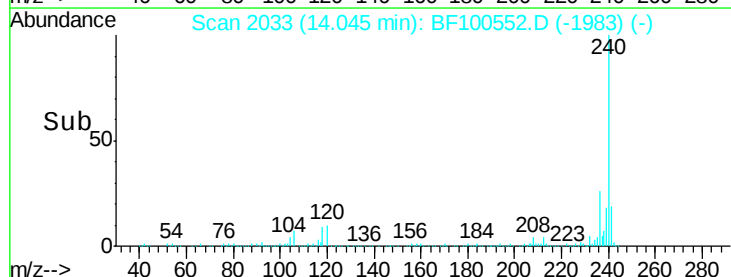
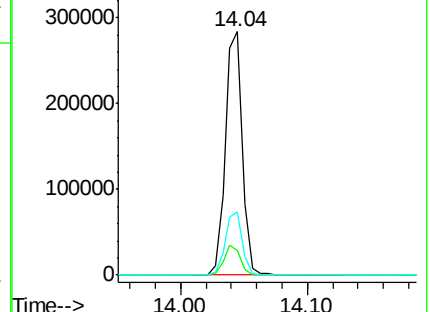
236 26.1 20.7 31.1

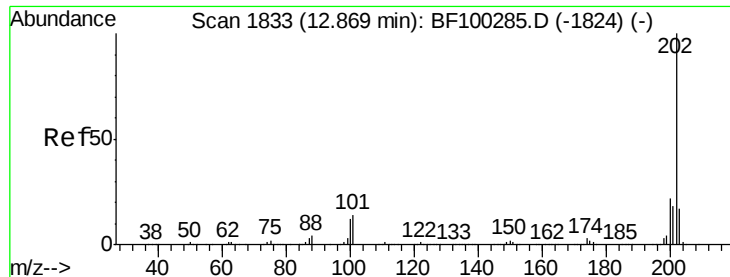


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

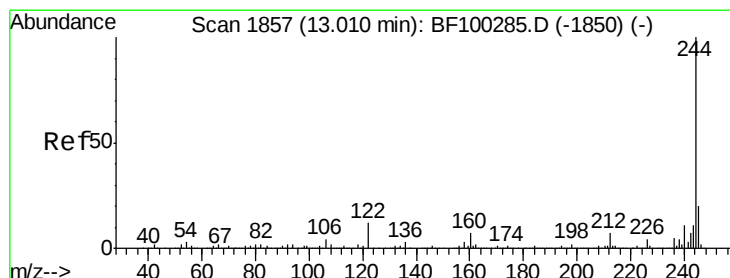
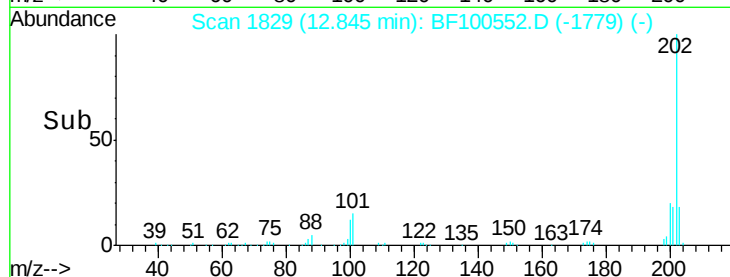
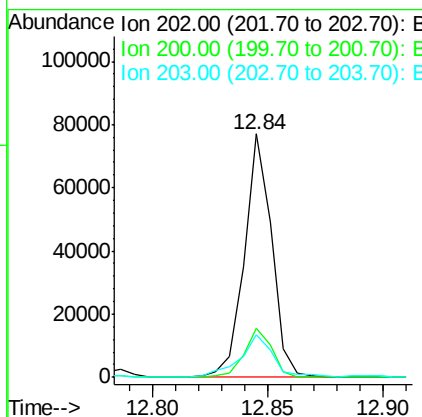
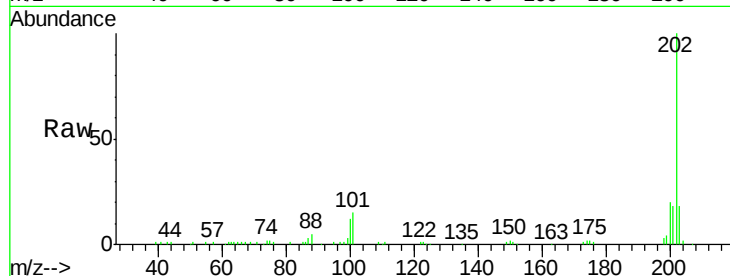




#77
 Pyrene
 Concen: 3.38 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

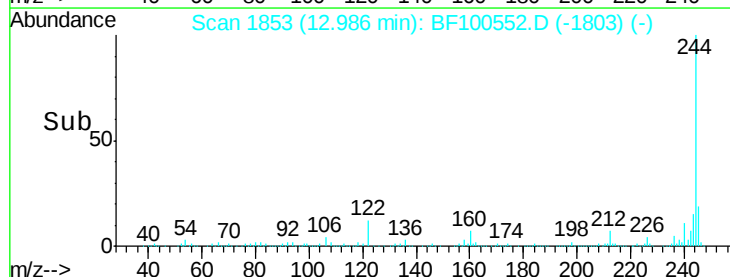
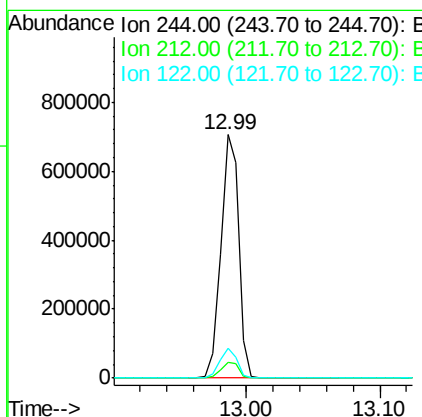
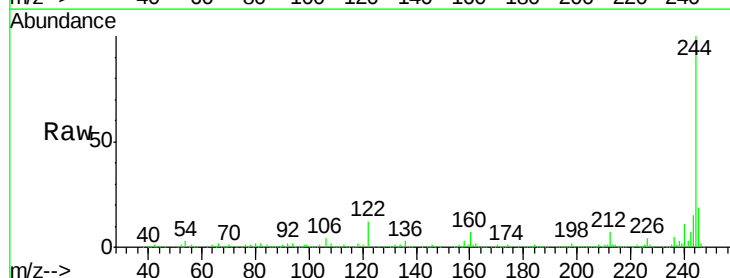
Instrument :
 BNA_F
 ClientSampled :
 TP-16

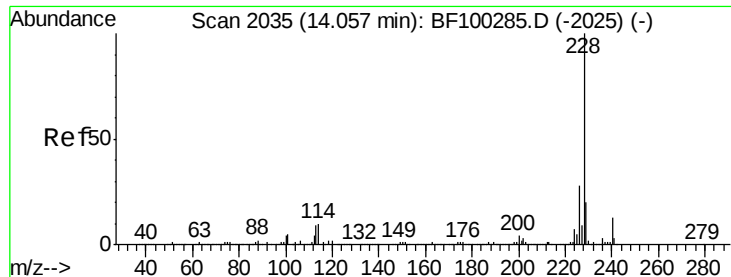
Tgt Ion: 202 Resp: 64057
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.4 26.2
 203 17.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 57.49 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Tgt Ion: 244 Resp: 665038
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.2 11.0 16.4





#80

Benzo(a)anthracene

Concen: 2.14 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

ClientSampleId :

TP-16

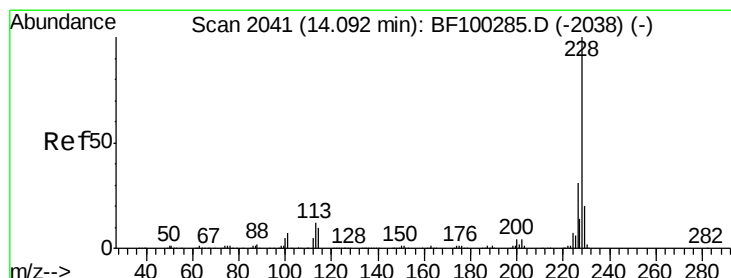
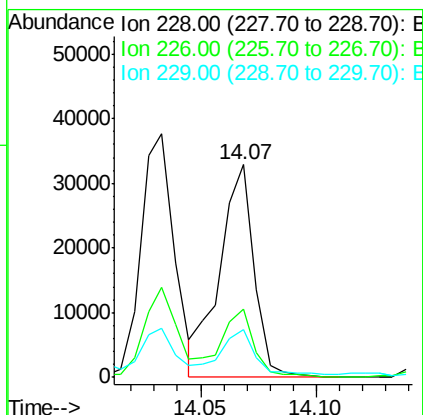
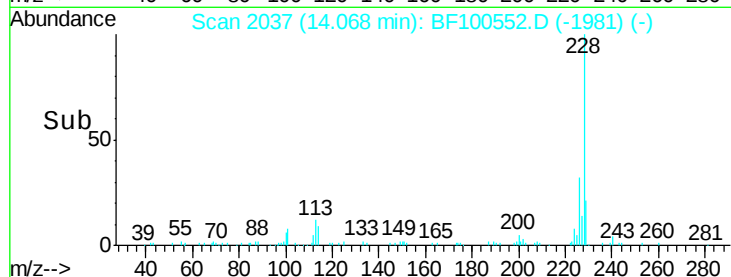
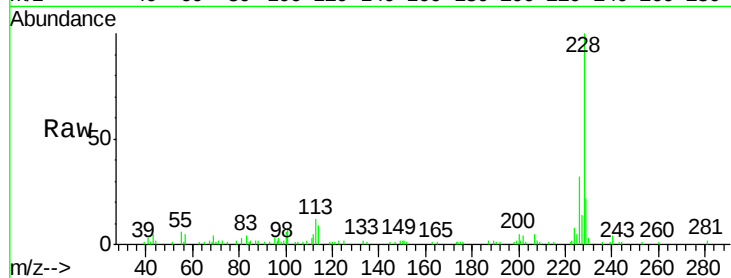
Tgt Ion:228 Resp: 34250

Ion Ratio Lower Upper

228 100

226 32.0 22.6 33.8

229 22.2 15.8 23.6



#82

Chrysene

Concen: 2.21 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

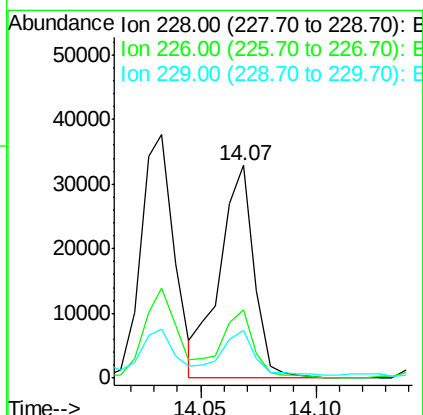
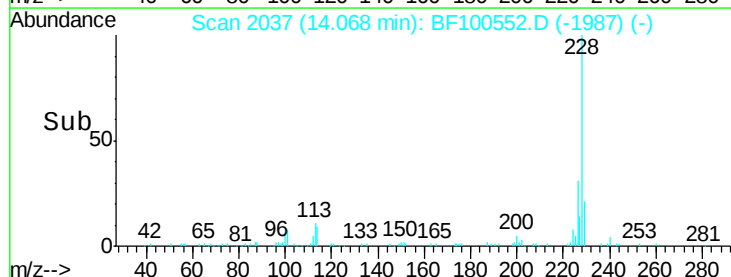
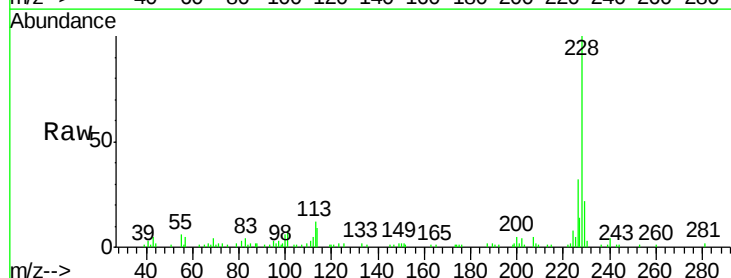
Tgt Ion:228 Resp: 34250

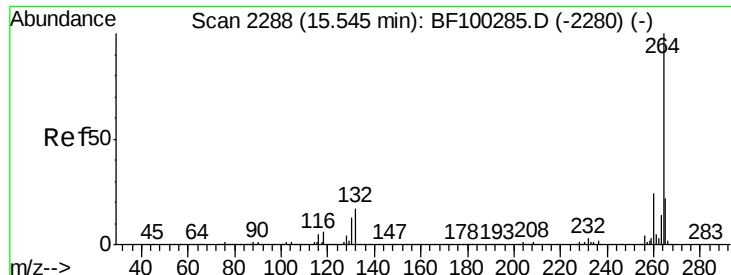
Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.6

229 22.2 16.2 24.4

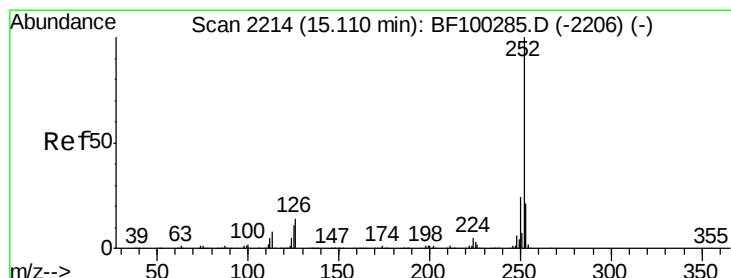
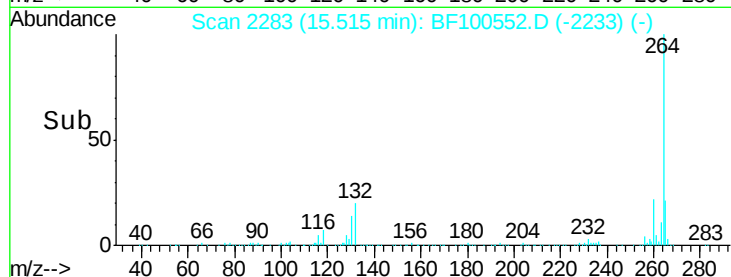
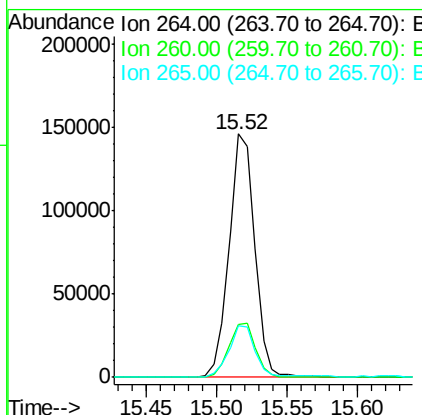
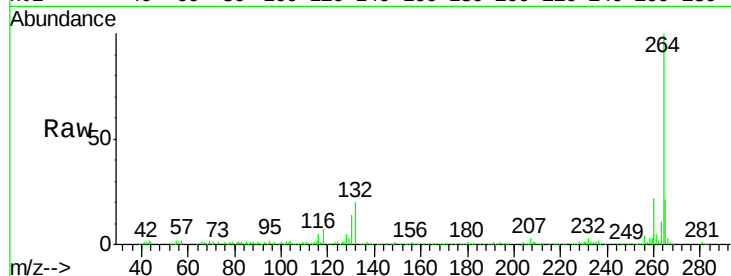




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

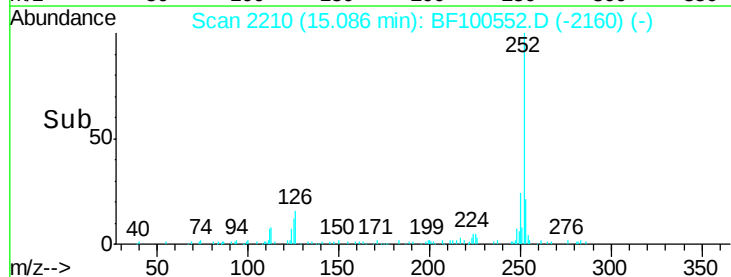
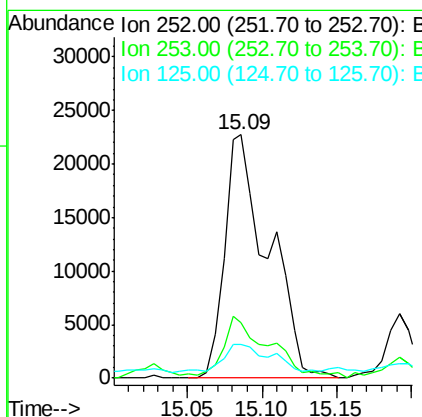
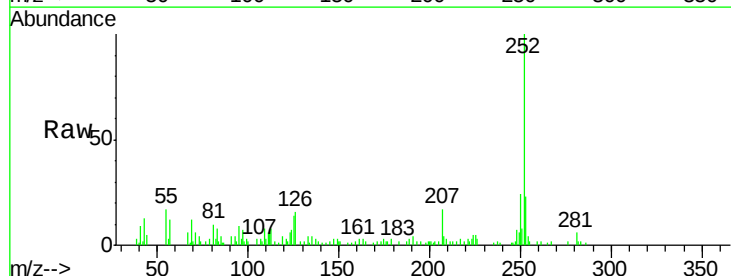
Instrument :
BNA_F
ClientSampleId :
TP-16

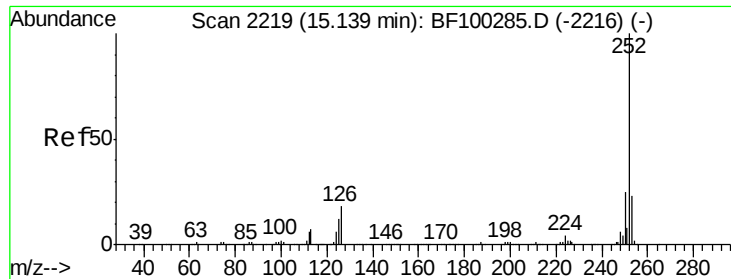
Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.2	28.8
265	21.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.19 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.9	9.0	13.6#

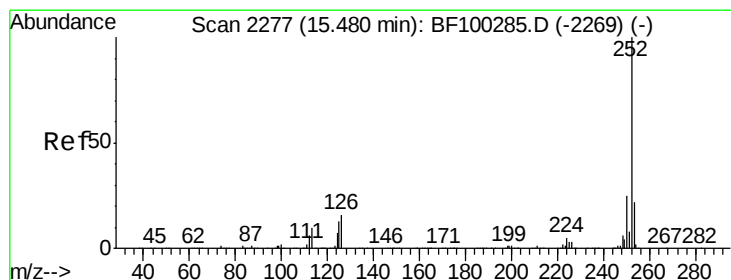
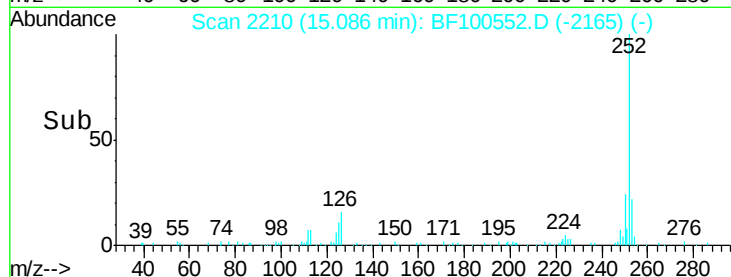
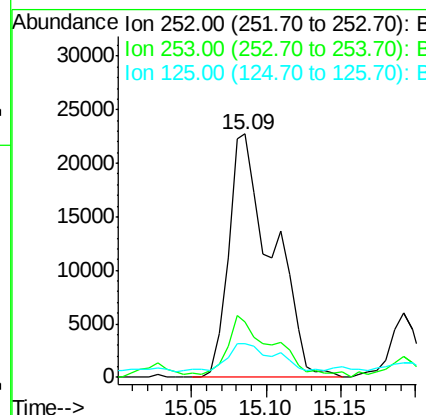
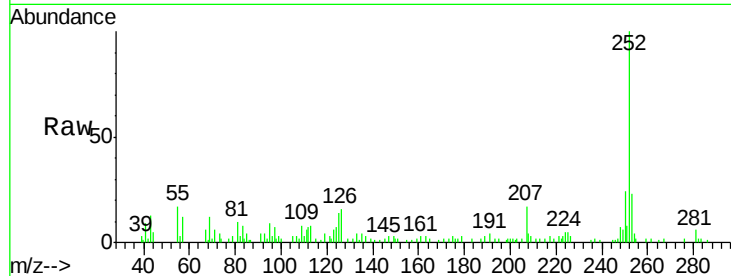




#88
Benzo(k)fluoranthene
Concen: 4.44 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Instrument :
BNA_F
ClientSampleId :
TP-16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.55 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	16.9	9.8	14.6

