

Data File : BF100432.D
Acq On : 11 Nov 2017 11:27
Operator : SJ/JU
Sample : I6399-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-13-A-13-B

Quant Time: Nov 13 01:04:49 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	150142	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	531888	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	197012	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	303121	20.00	ng	0.00
75) Chrysene-d12	14.07	240	318179	20.00	ng	0.00
86) Perylene-d12	15.55	264	266177	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	606760	64.78	ng	0.00
7) Phenol-d6	6.52	99	723567	62.65	ng	0.00
23) Nitrobenzene-d5	7.46	82	438182	54.47	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	114953	57.26	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	706560	54.61	ng	0.00
78) Terphenyl-d14	13.01	244	488935	35.31	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.53	94	33765	2.78	ng	100
19) n-Nitroso-di-n-propylamine	7.46	70	56140	7.01	ng	# 82
25) Isophorone	7.46	82	435046	25.73	ng	# 64
47) 2-Nitroaniline	9.59	65	148	2.82	ng	# 2
49) Dimethylphthalate	9.65	163	42148	2.80	ng	98
50) 2,6-Dinitrotoluene	9.94	165	25950	8.72	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	25950	6.91	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	222	8.69	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	7371	2.27	ng	# 1
74) Fluoranthene	12.64	202	35334	2.09	ng	98
87) Benzo(b)fluoranthene	15.12	252	40155	2.55	ng	# 78
88) Benzo(k)fluoranthene	15.12	252	40155	2.69	ng	# 81

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

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TP-13-A-13-B

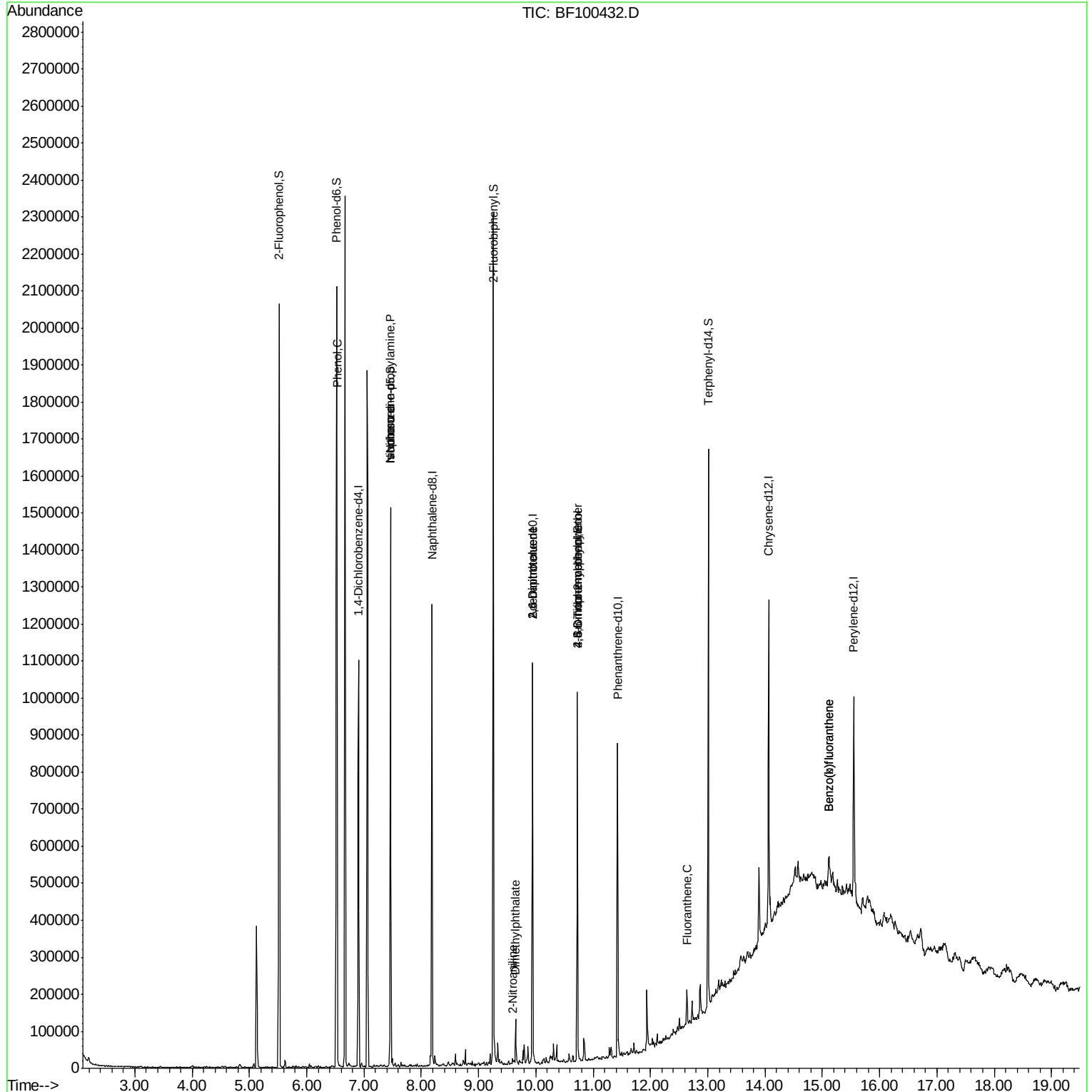
Quant Time: Nov 13 01:04:49 2017

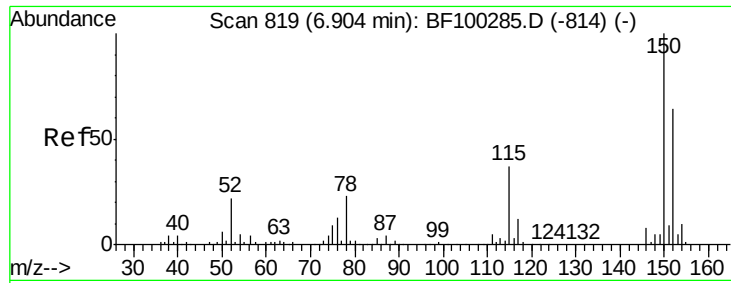
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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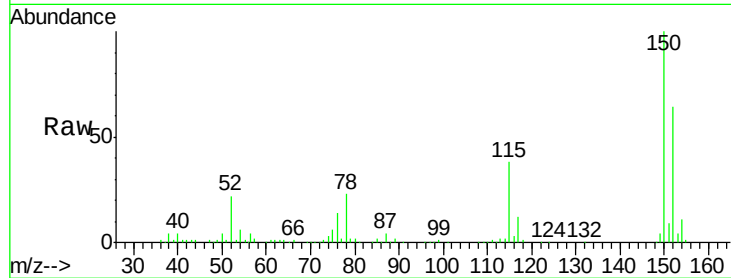


#1

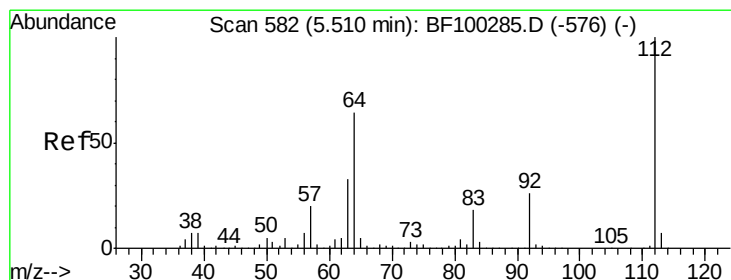
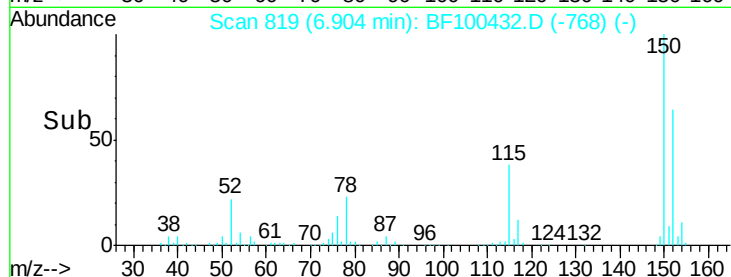
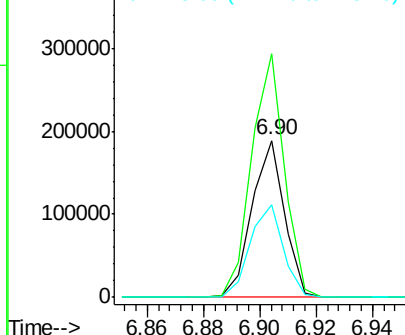
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100432.D
Acq: 11 Nov 2017 11:27

Instrument :
BNA_F
ClientSampleId :
TP-13-A-13-B

Tgt Ion:152 Resp: 150142
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 59.1 50.1 75.1



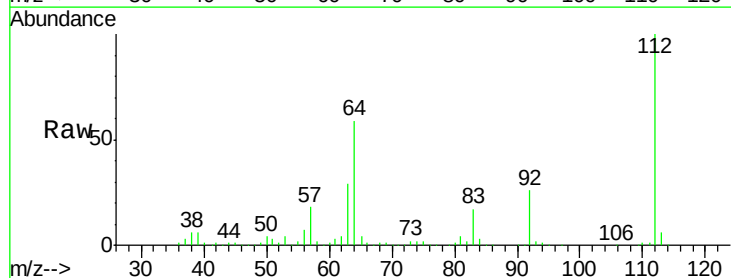
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



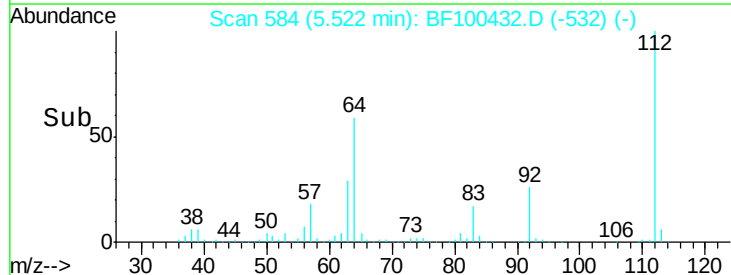
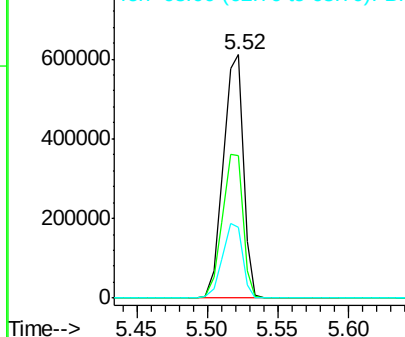
#5

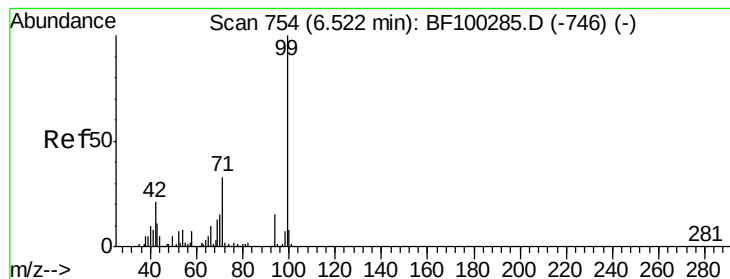
2-Fluorophenol
Concen: 64.78 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100432.D
Acq: 11 Nov 2017 11:27

Tgt Ion:112 Resp: 606760
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 29.2 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: 62.65 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

Instrument :

BNA_F

ClientSampleId :

TP-13-A-13-B

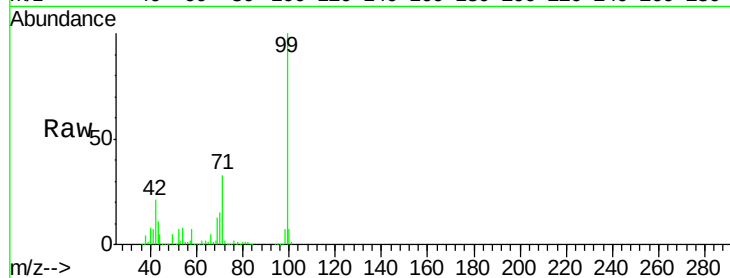
Tgt Ion: 99 Resp: 723567

Ion Ratio Lower Upper

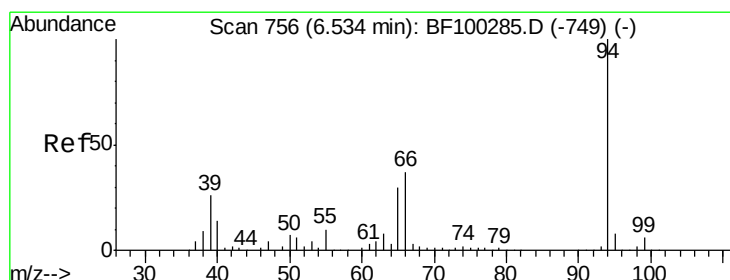
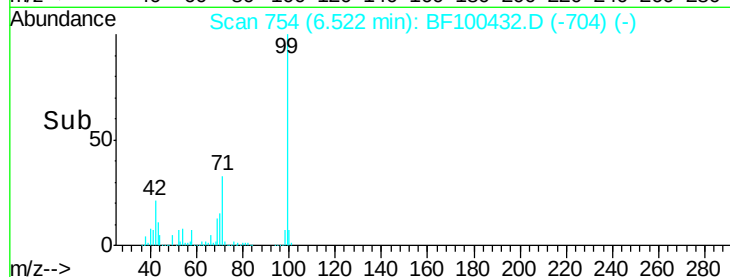
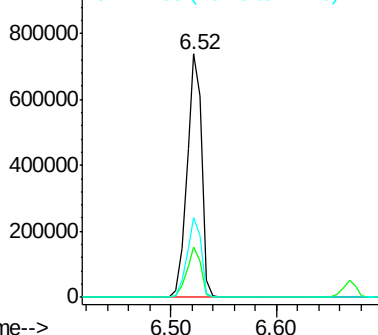
99 100

42 20.7 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



#10

Phenol

Concen: 2.78 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

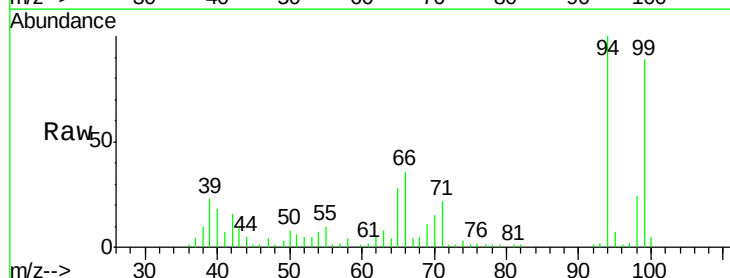
Tgt Ion: 94 Resp: 33765

Ion Ratio Lower Upper

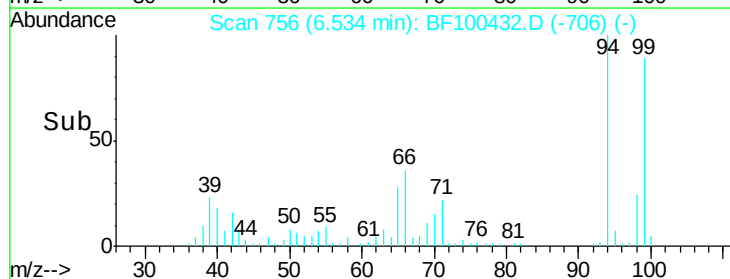
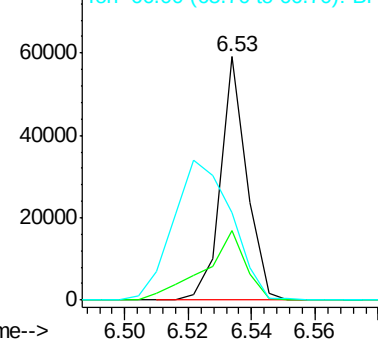
94 100

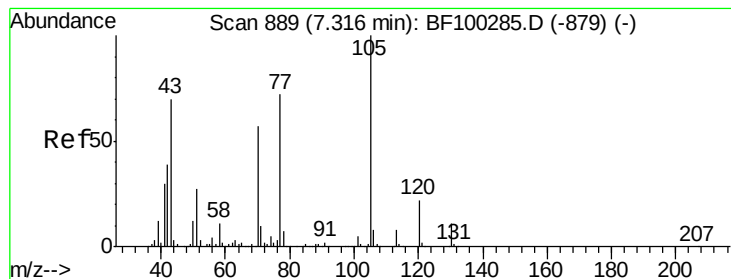
65 28.4 7.9 47.9

66 36.2 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: 7.01 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

Instrument :

BNA_F

ClientSampleId :

TP-13-A-13-B

Tgt Ion: 70 Resp: 56140

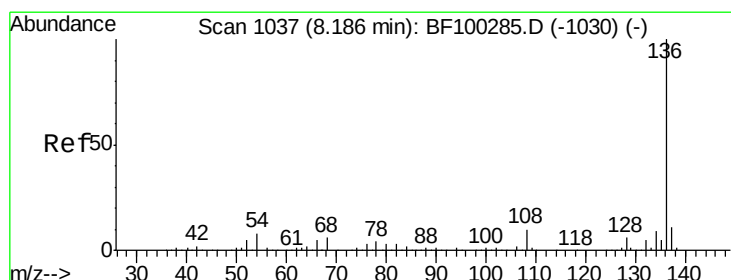
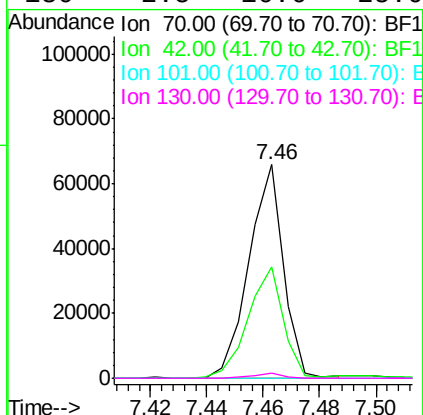
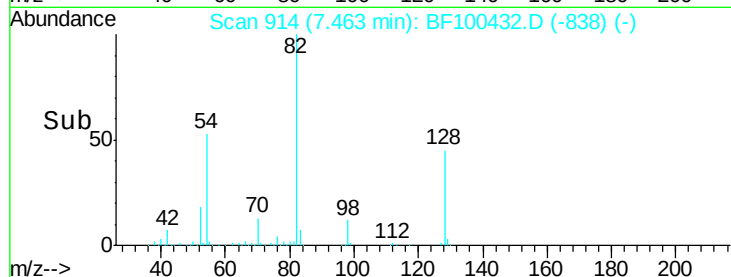
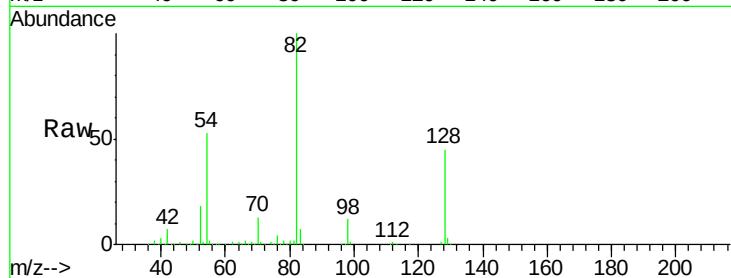
Ion Ratio Lower Upper

70 100

42 52.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

Tgt Ion: 136 Resp: 531888

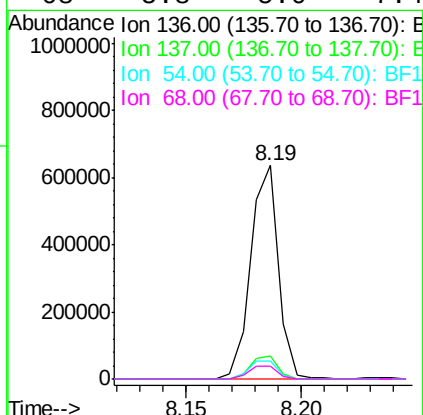
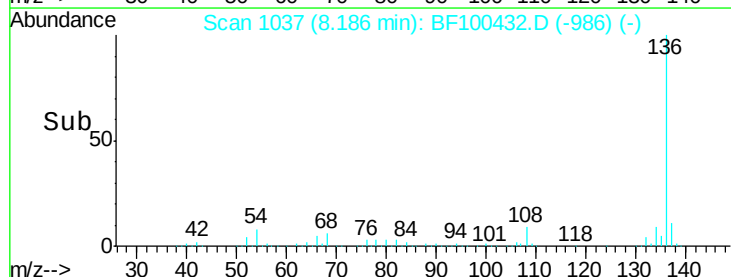
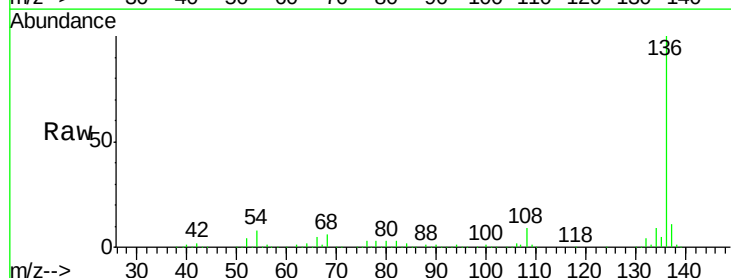
Ion Ratio Lower Upper

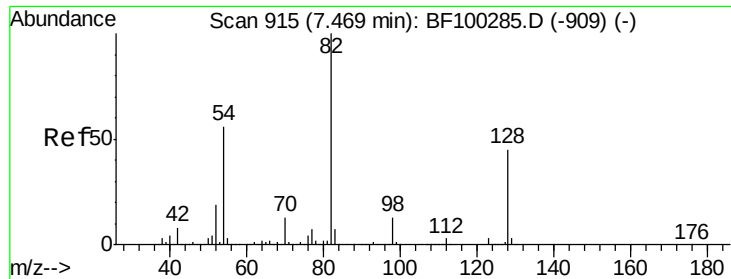
136 100

137 10.6 8.9 13.3

54 8.2 6.6 9.8

68 5.8 5.0 7.4

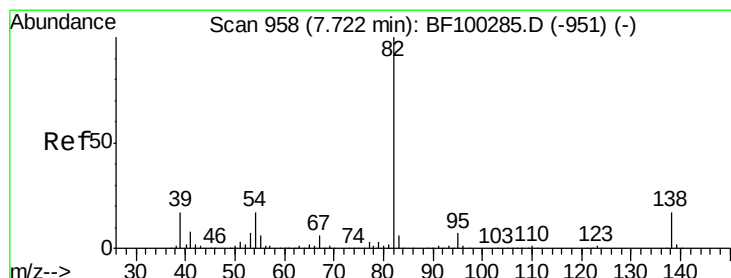
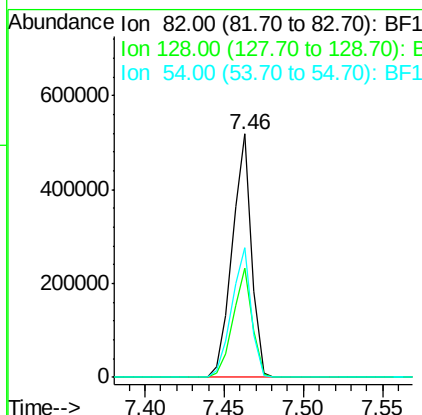
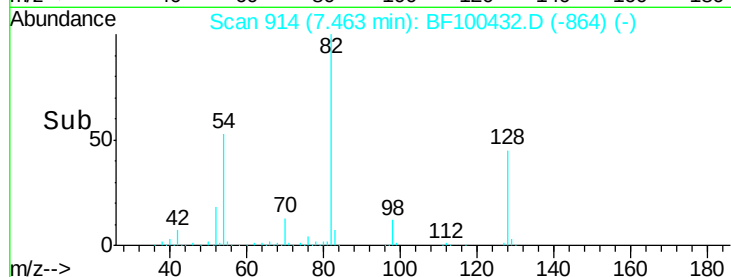
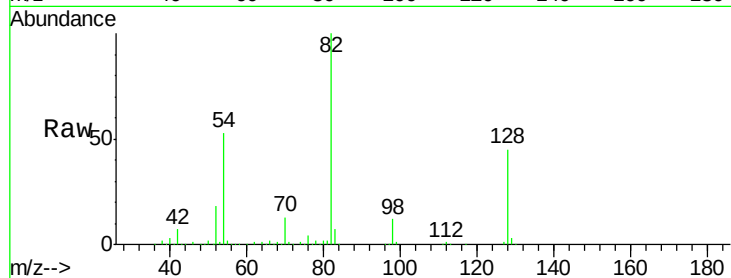




#23
Nitrobenzene-d5
Concen: 54.47 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100432.D
Acq: 11 Nov 2017 11:27

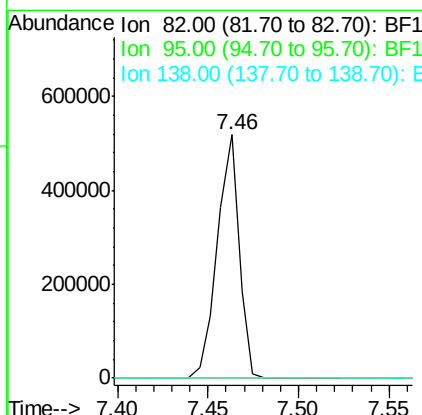
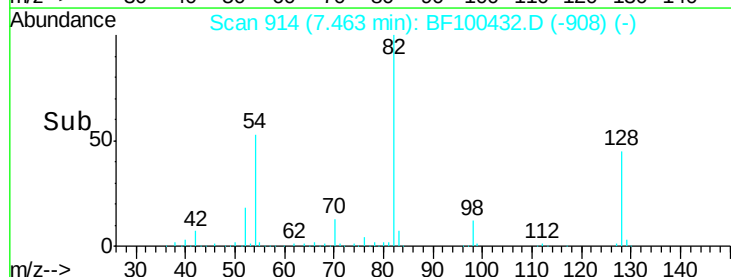
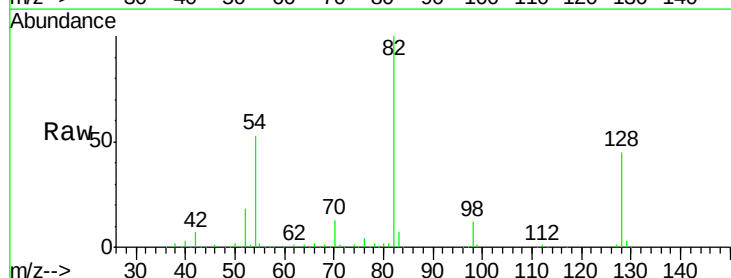
Instrument :
BNA_F
ClientSampleId :
TP-13-A-13-B

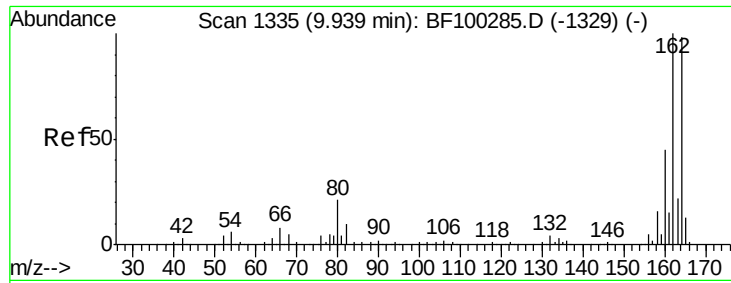
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	53.1	41.4	62.2



#25
Isophorone
Concen: 25.73 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.26 min
Lab File: BF100432.D
Acq: 11 Nov 2017 11:27

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

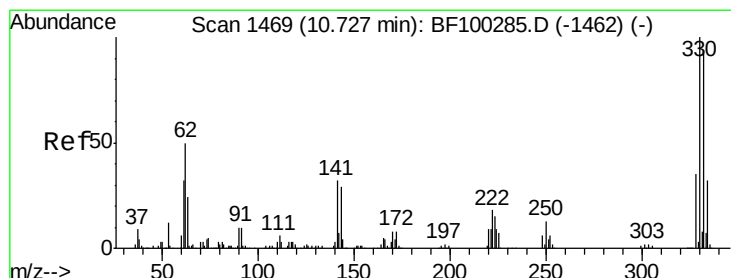
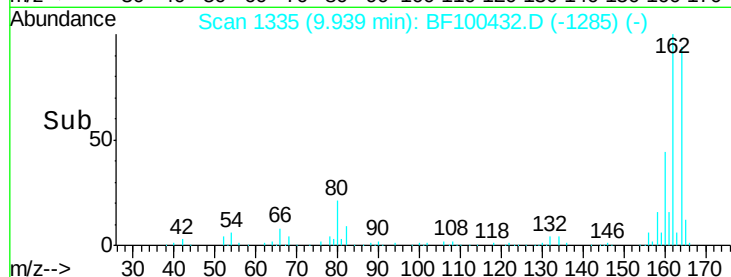
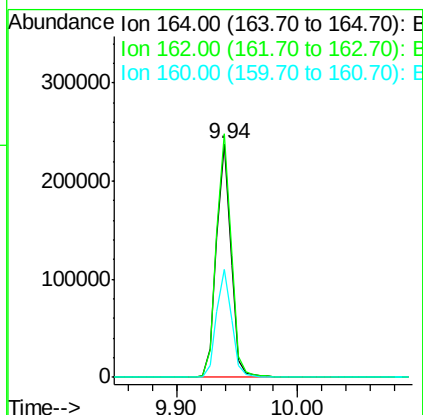
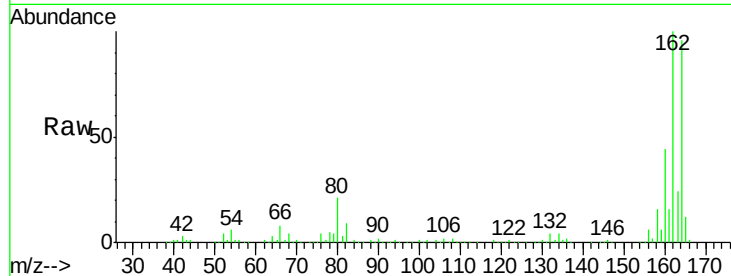




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

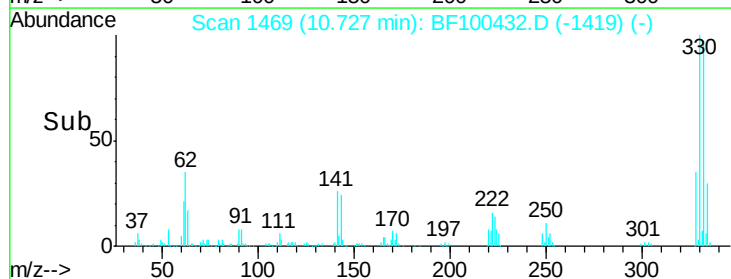
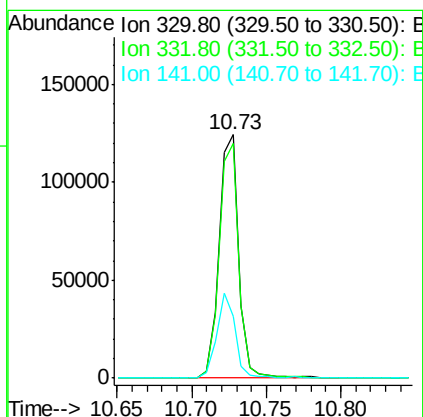
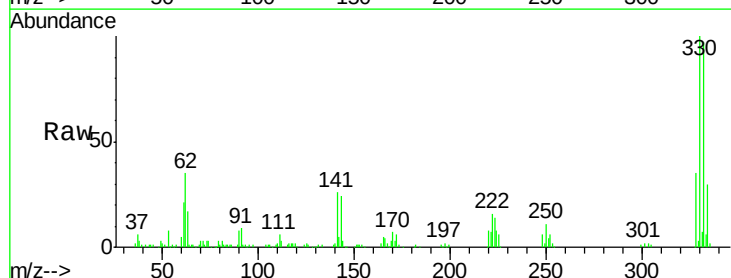
Instrument :
 BNA_F
 ClientSampleId :
 TP-13-A-13-B

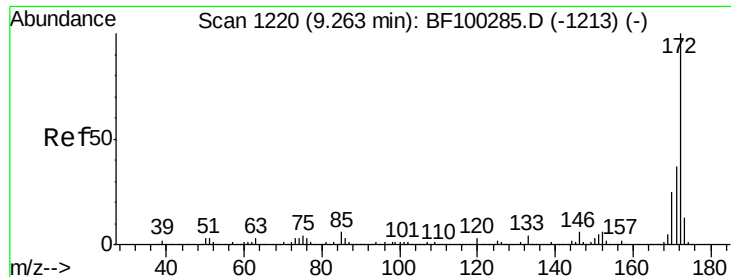
Tgt Ion:164 Resp: 197012
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 46.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 57.26 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

Tgt Ion:330 Resp: 114953
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 32.9 29.9 44.9

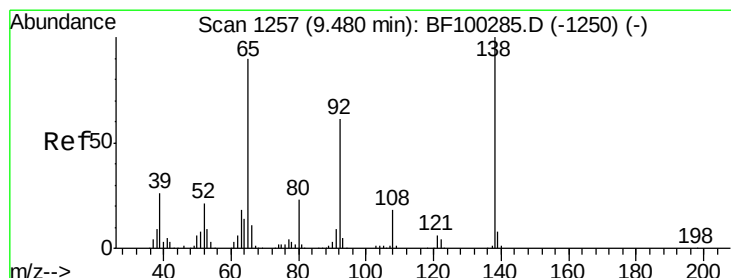
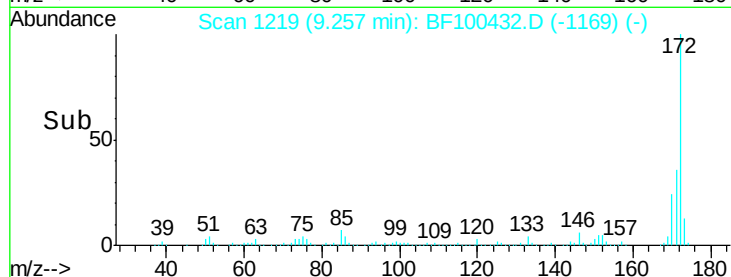
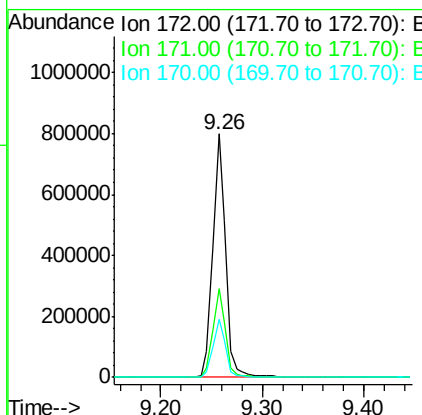
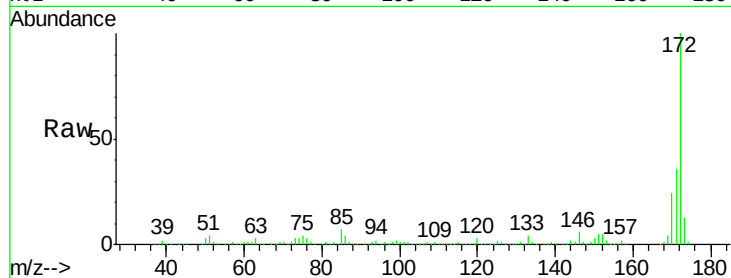




#44
 2-Fluorobiphenyl
 Concen: 54.61 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

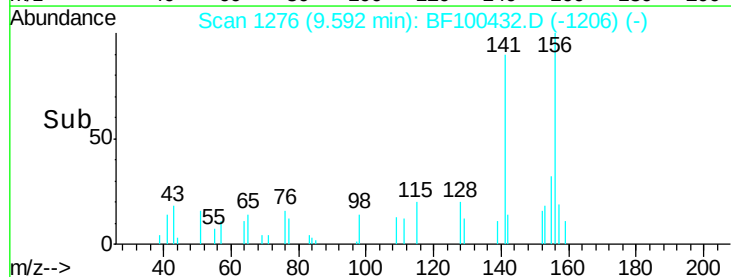
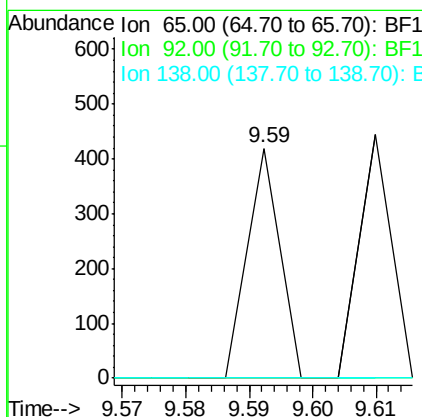
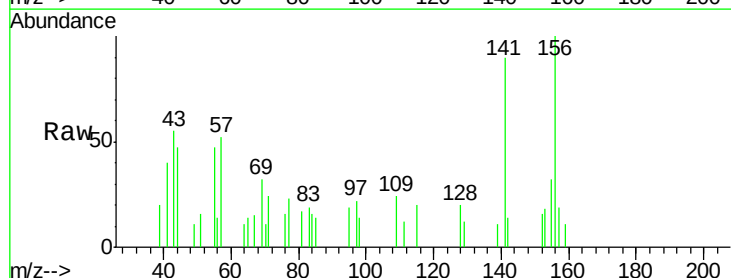
Instrument :
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 TP-13-A-13-B

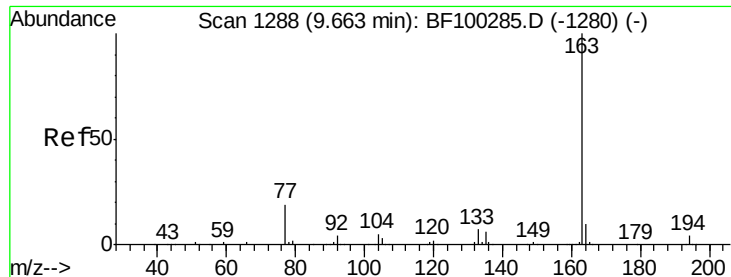
Tgt Ion: 172 Resp: 706560
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.7 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.82 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. 0.11 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

Tgt Ion: 65 Resp: 148
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#

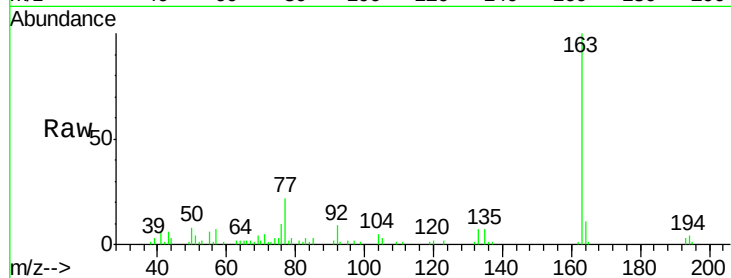




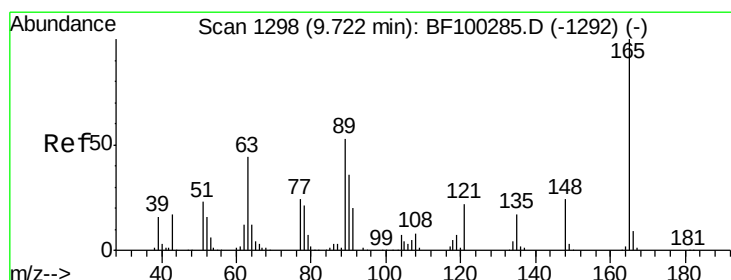
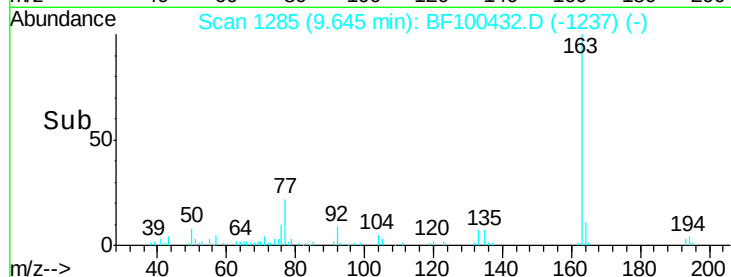
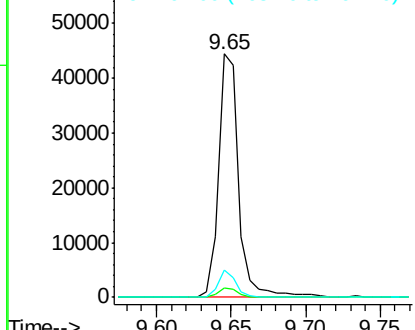
#49
Dimethylphthalate
Concen: 2.80 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF100432.D
Acq: 11 Nov 2017 11:27

Instrument :
BNA_F
ClientSampleId :
TP-13-A-13-B

Tgt Ion:163 Resp: 42148
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.0 8.2 12.2

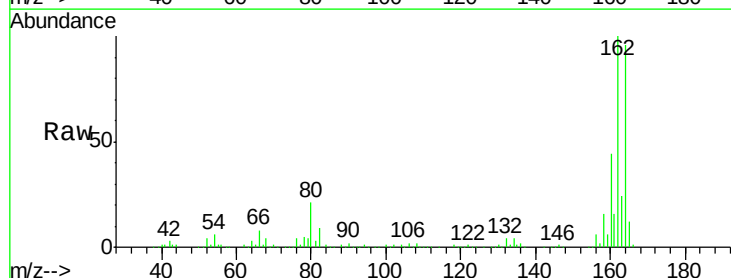


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

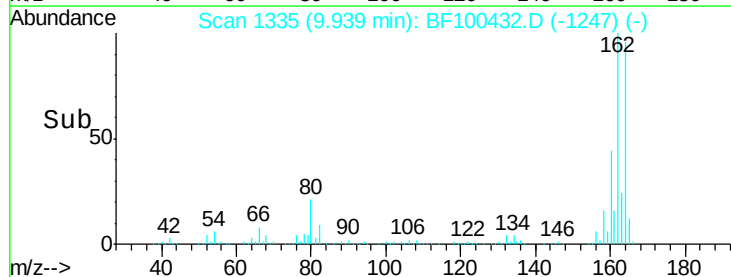
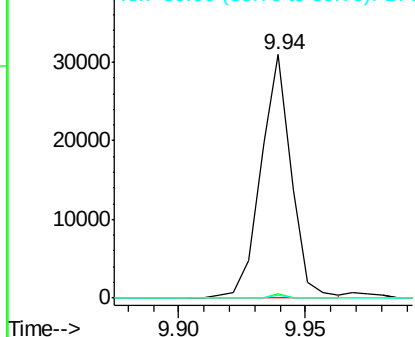


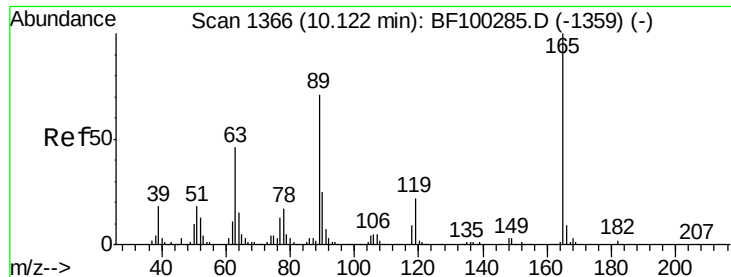
#50
2,6-Dinitrotoluene
Concen: 8.72 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100432.D
Acq: 11 Nov 2017 11:27

Tgt Ion:165 Resp: 25950
Ion Ratio Lower Upper
165 100
63 1.5 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

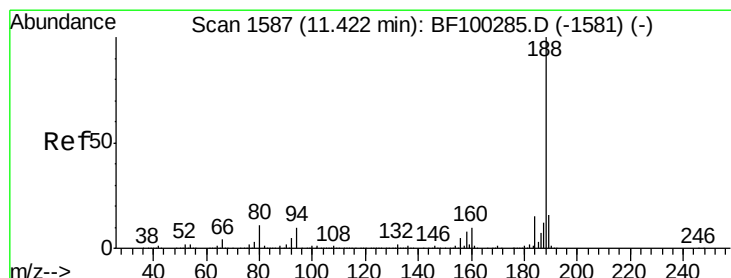
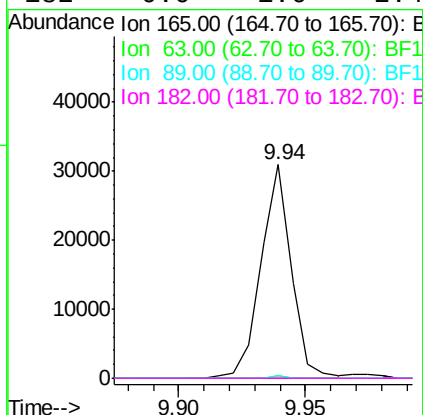
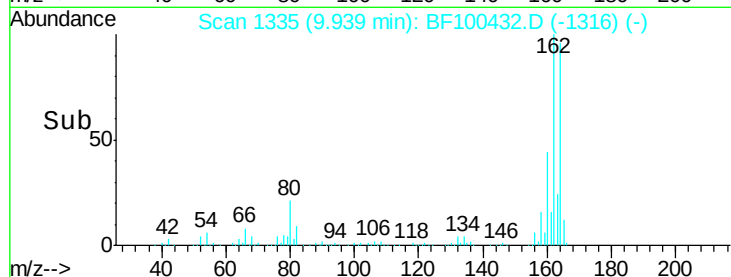
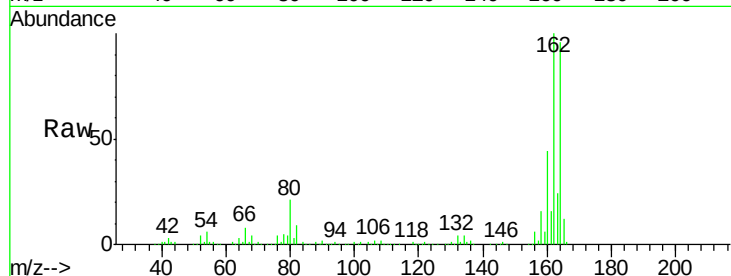




#56
 2,4-Dinitrotoluene
 Concen: 6.91 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

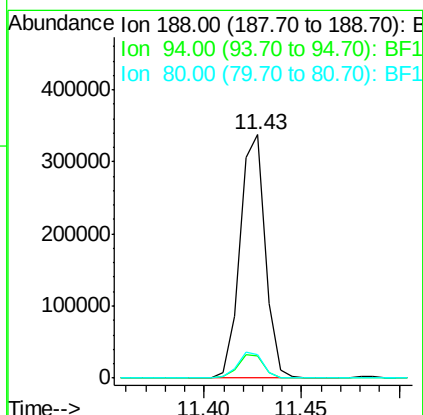
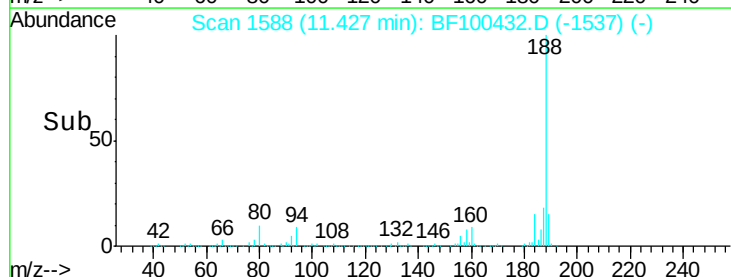
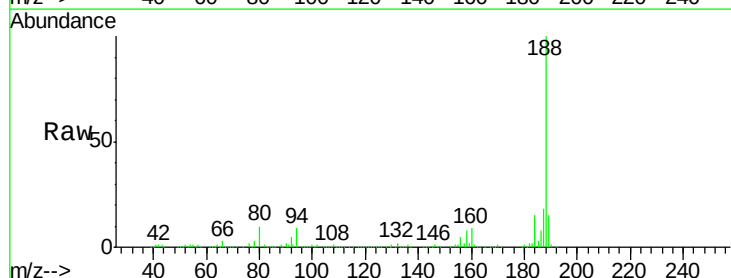
Instrument :
 BNA_F
 ClientSampleId :
 TP-13-A-13-B

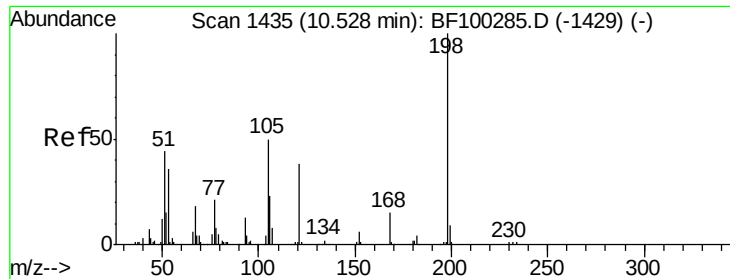
Tgt Ion:	165	Resp:	25950
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

Tgt Ion:	188	Resp:	303121
Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.8	9.2	13.8

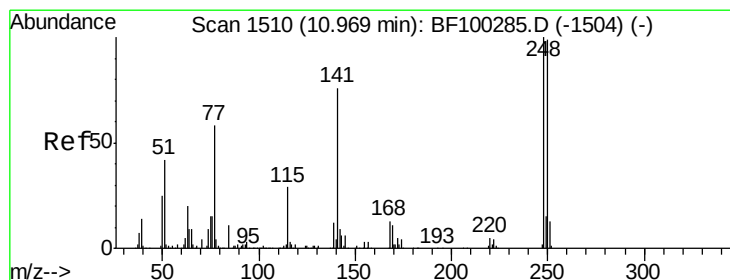
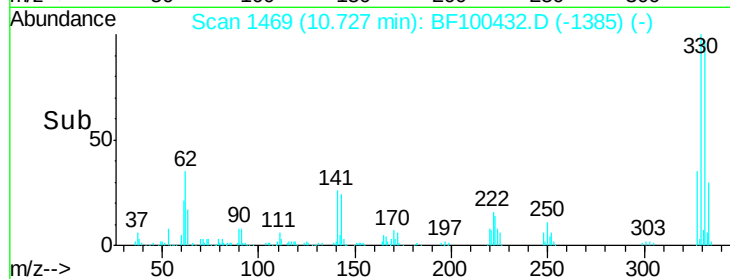
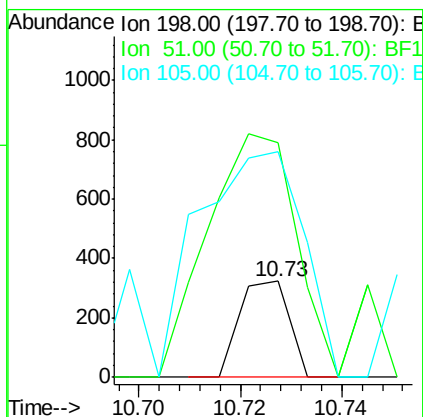
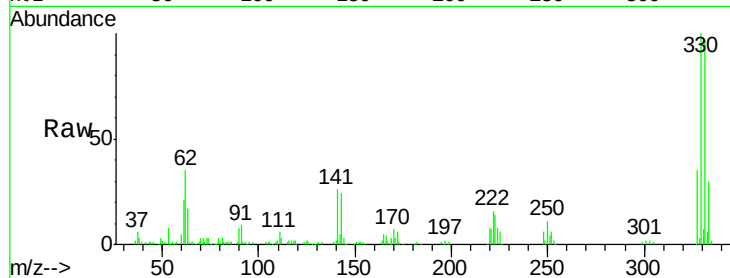




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.69 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.19 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

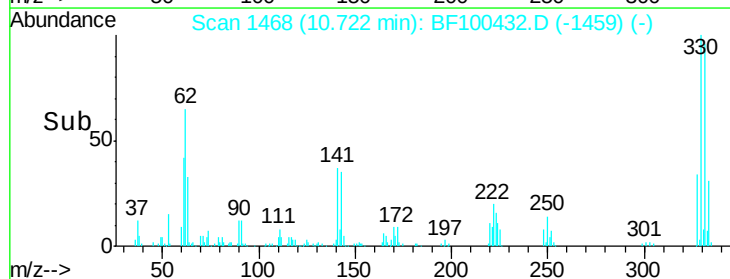
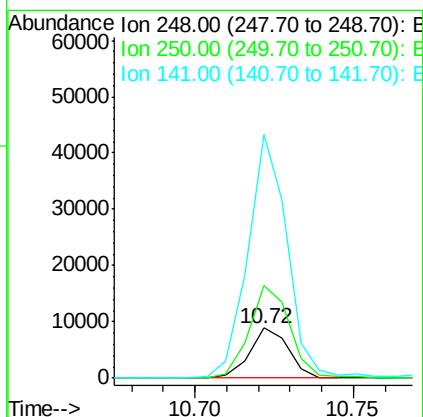
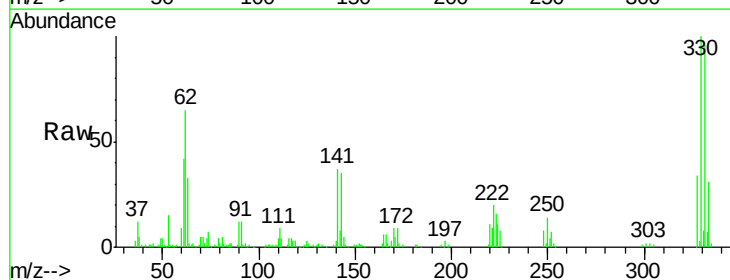
Instrument :
 BNA_F
 ClientSampleId :
 TP-13-A-13-B

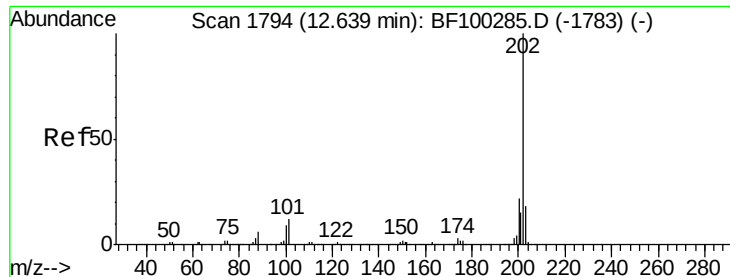
Tgt Ion:198 Resp: 222
 Ion Ratio Lower Upper
 198 100
 51 244.6 37.7 77.7#
 105 234.7 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 2.27 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.25 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

Tgt Ion:248 Resp: 7371
 Ion Ratio Lower Upper
 248 100
 250 184.8 76.9 115.3#
 141 487.8 74.4 111.6#





#74

Fluoranthene

Concen: 2.09 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

Instrument :

BNA_F

ClientSampleId :

TP-13-A-13-B

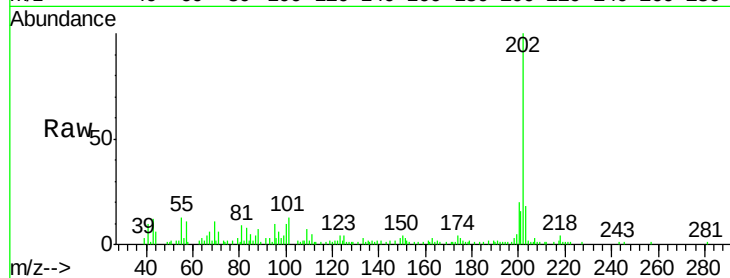
Tgt Ion:202 Resp: 35334

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

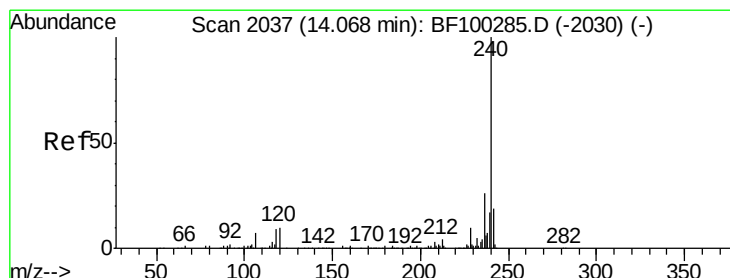
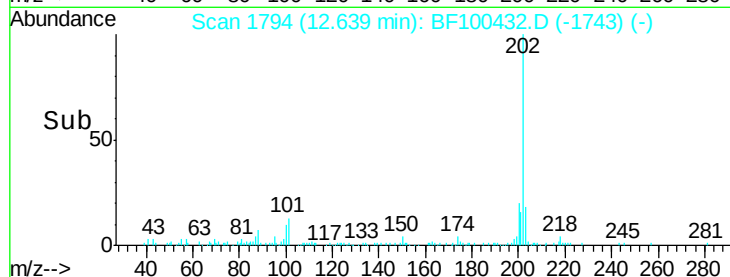
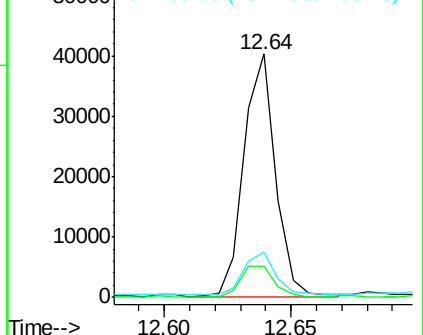
203 18.4 0.0 38.1



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: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

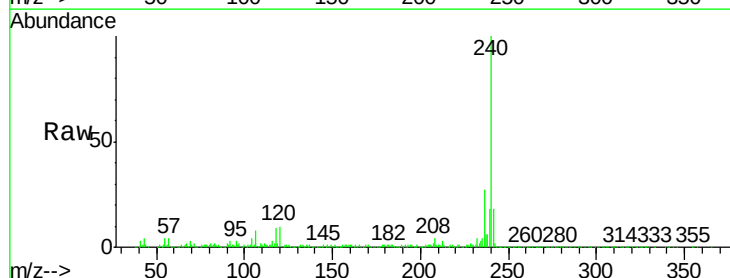
Tgt Ion:240 Resp: 318179

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

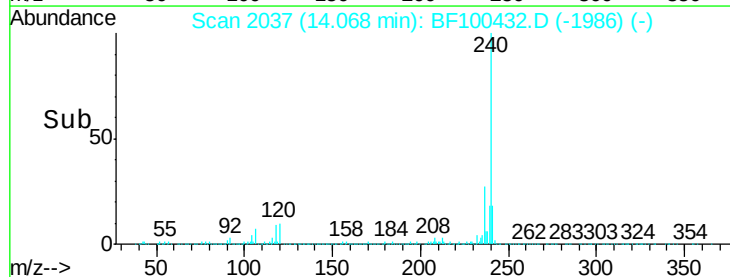
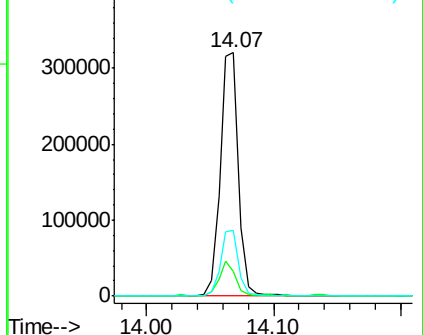
236 27.0 20.7 31.1

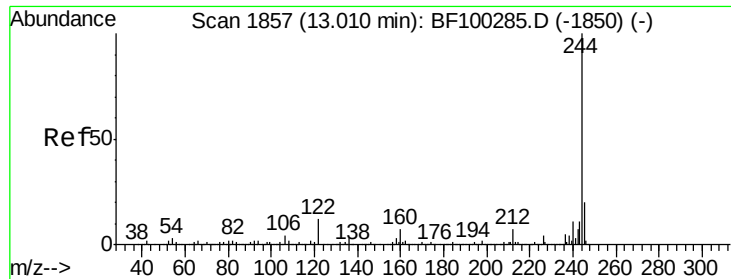


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 35.31 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

Instrument :

BNA_F

ClientSampleId :

TP-13-A-13-B

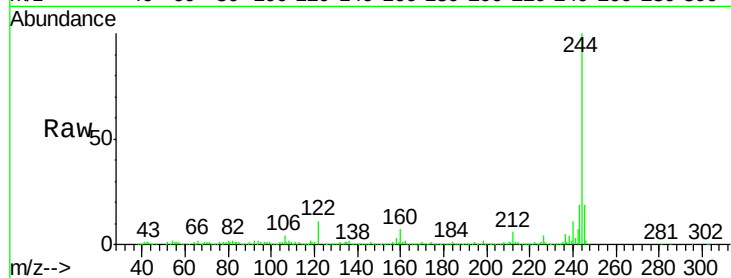
Tgt Ion:244 Resp: 488935

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

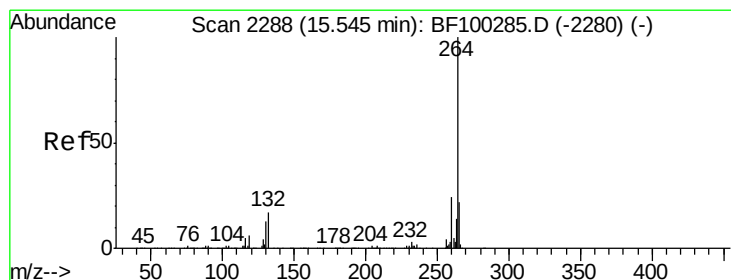
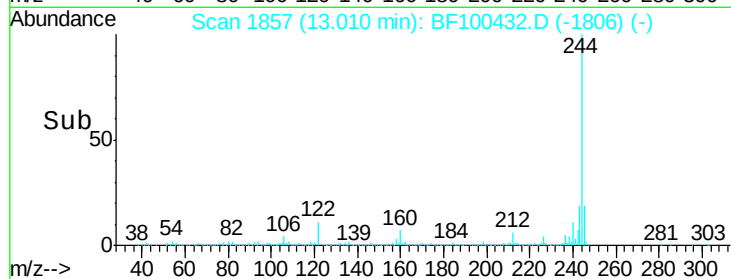
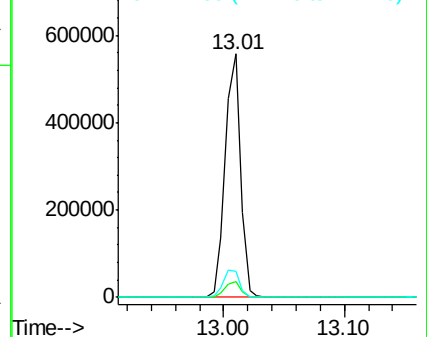
122 10.7 11.0 16.4#



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: 20.00 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BF100432.D

Acq: 11 Nov 2017 11:27

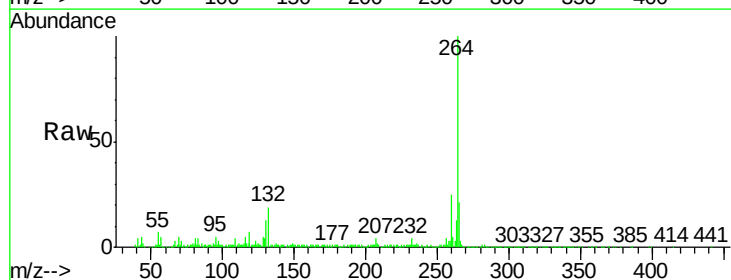
Tgt Ion:264 Resp: 266177

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

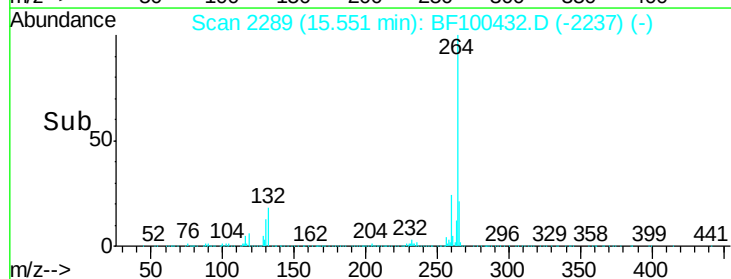
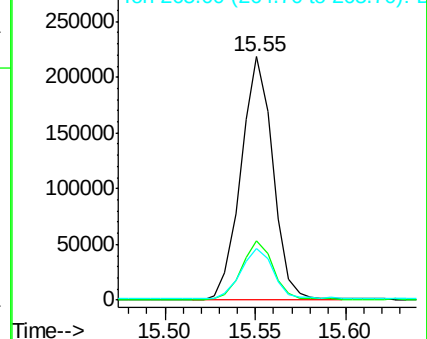
265 21.0 17.5 26.3

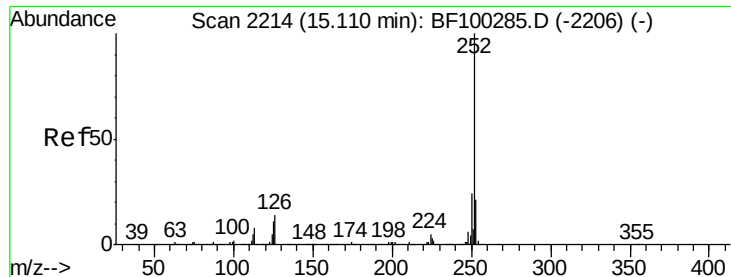


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

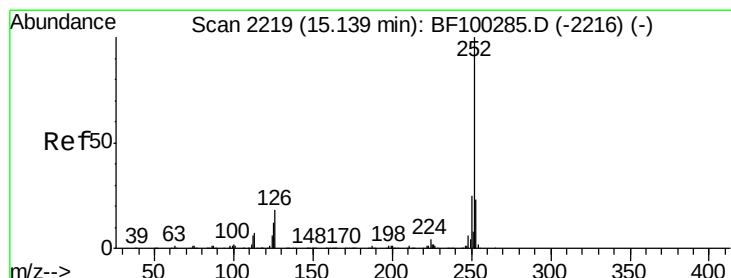
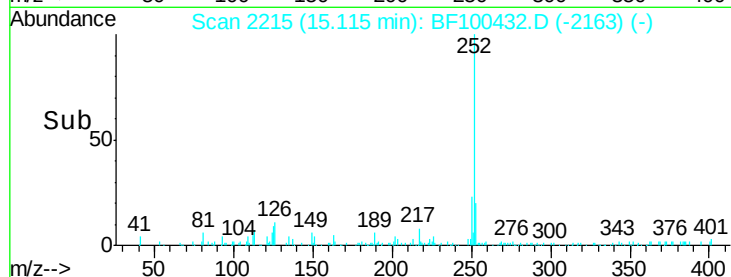
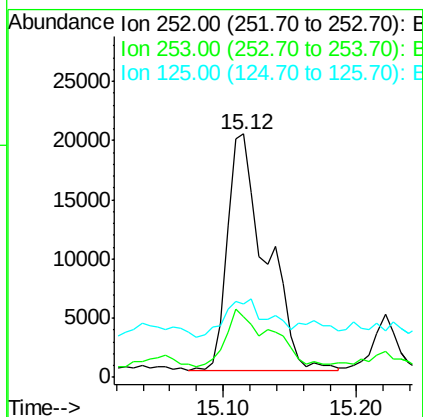
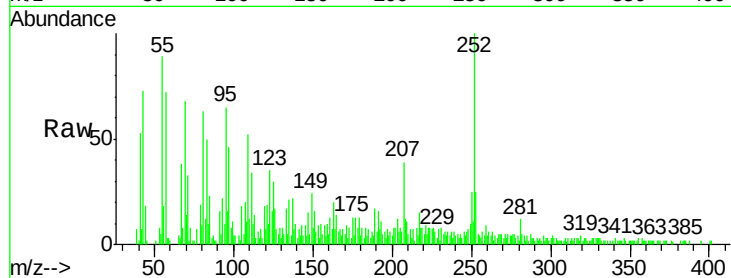




#87
 Benzo(b)fluoranthene
 Concen: 2.55 ng
 RT: 15.12 min Scan# 2215
 Delta R.T. 0.01 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-A-13-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	30.3	9.0	13.6



#88
 Benzo(k)fluoranthene
 Concen: 2.69 ng
 RT: 15.12 min Scan# 2215
 Delta R.T. -0.03 min
 Lab File: BF100432.D
 Acq: 11 Nov 2017 11:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	30.3	10.2	15.2

