

Data File : BF100504.D
Acq On : 13 Nov 2017 15:56
Operator : SJ/JU
Sample : I6409-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Quant Time: Nov 14 00:45:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 13 14:08:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	92958	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	354792	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	156540	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	260947	20.00	ng	0.00
75) Chrysene-d12	14.05	240	191769	20.00	ng	0.00
86) Perylene-d12	15.53	264	162542	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	502774	86.70	ng	0.00
7) Phenol-d6	6.52	99	620685	86.80	ng	0.00
23) Nitrobenzene-d5	7.45	82	391854	73.02	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	148757	93.26	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	663392	64.53	ng	0.00
78) Terphenyl-d14	13.00	244	410024	49.13	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.53	94	30820	4.11	ng	97
25) Isophorone	7.45	82	391844	34.75	ng	# 64
31) Naphthalene	8.19	128	224948	13.16	ng	99
32) Benzoic acid	7.95	122	113	9.39	ng	# 1
33) 4-Chloroaniline	8.19	127	29760	4.18	ng	# 33
47) 2-Nitroaniline	9.41	65	133	2.83	ng	# 2
49) Dimethylphthalate	9.63	163	73258	6.13	ng	99
56) 2,4-Dinitrotoluene	9.93	165	21022	7.04	ng	# 23
62) Azobenzene	10.64	77	36371	3.23	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	135	8.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	9697	3.47	ng	# 1
74) Fluoranthene	12.62	202	36250	2.49	ng	96
77) Pyrene	12.85	202	43224	3.16	ng	99
82) Chrysene	14.07	228	22785	2.04	ng	# 91
87) Benzo(b)fluoranthene	15.09	252	34010	3.53	ng	# 84
88) Benzo(k)fluoranthene	15.09	252	34010	3.74	ng	# 87
89) Benzo(a)pyrene	15.46	252	20931	2.45	ng	# 92
91) Benzo(g,h,i)perylene	17.46	276	16324	2.39	ng	# 87

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

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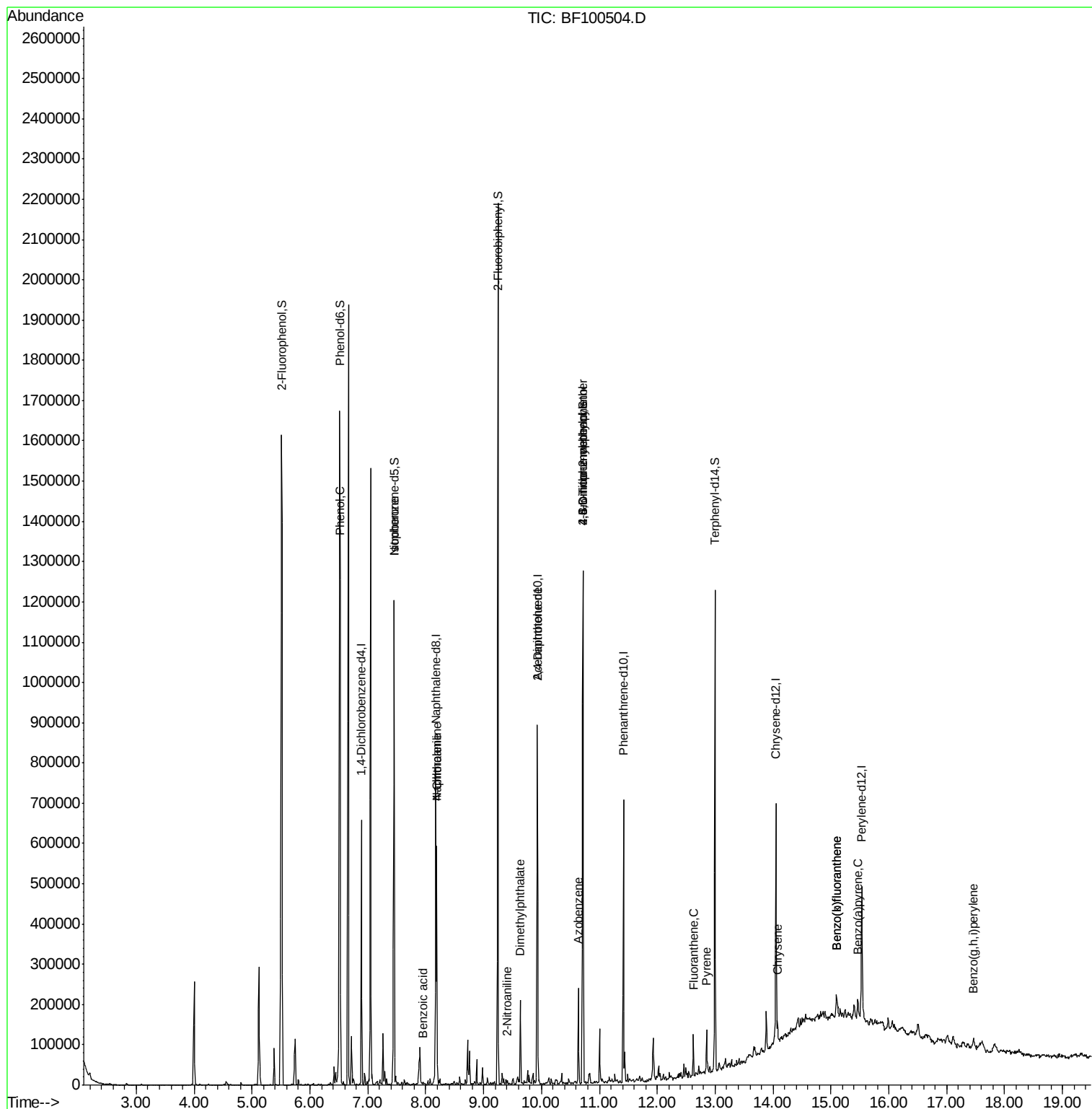
Quant Time: Nov 14 00:45:40 2017

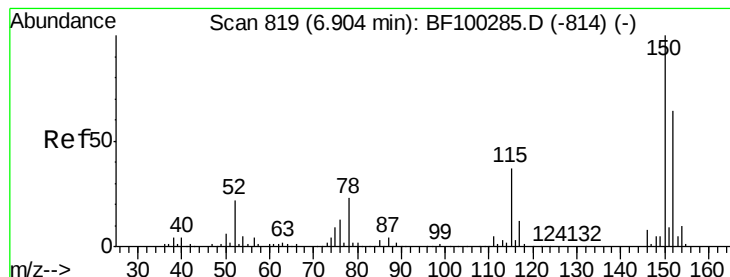
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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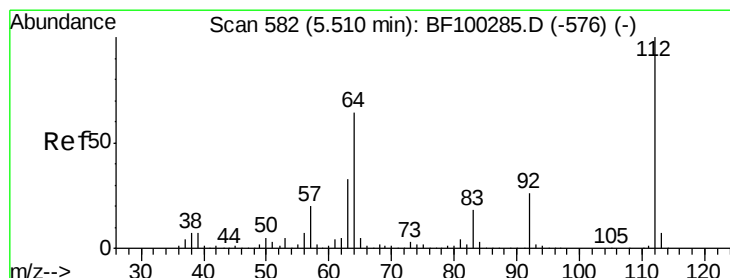
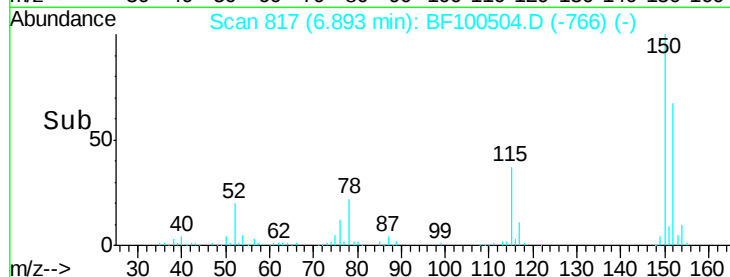
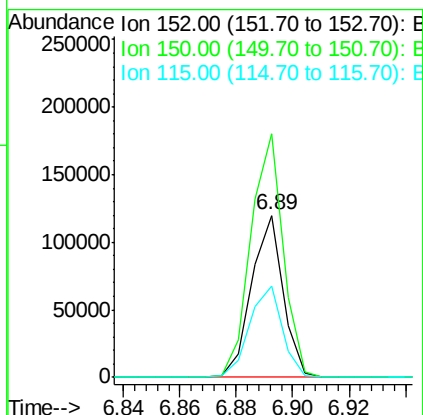
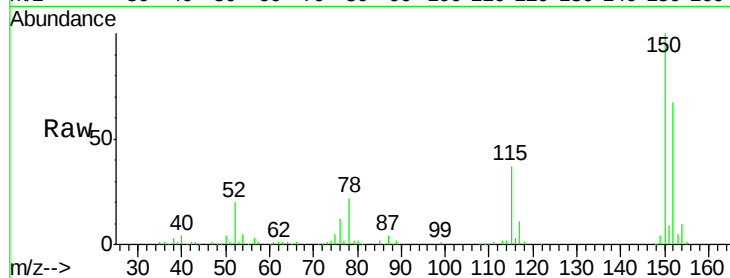


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Instrument :
BNA_F
ClientSampleId :
MH-110917-01

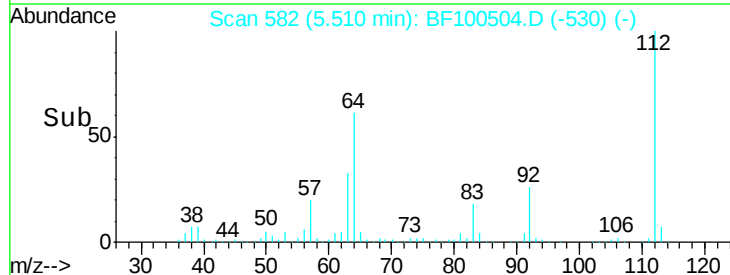
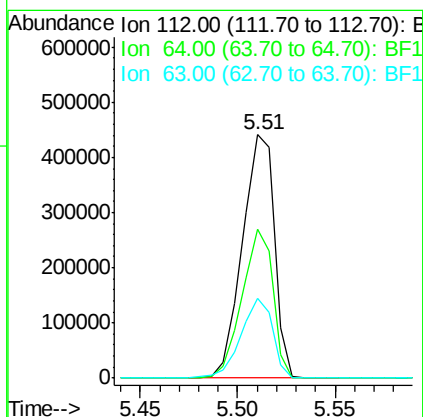
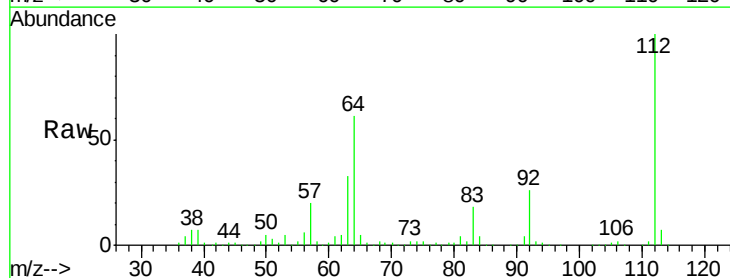
Tgt Ion:152 Resp: 92958
Ion Ratio Lower Upper
152 100
150 150.2 124.6 186.8
115 56.1 50.1 75.1



#5

2-Fluorophenol
Concen: 86.70 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion:112 Resp: 502774
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 32.7 23.7 35.5





#7

Phenol-d6

Concen: 86.80 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

Instrument :

BNA_F

ClientSampleId :

MH-110917-01

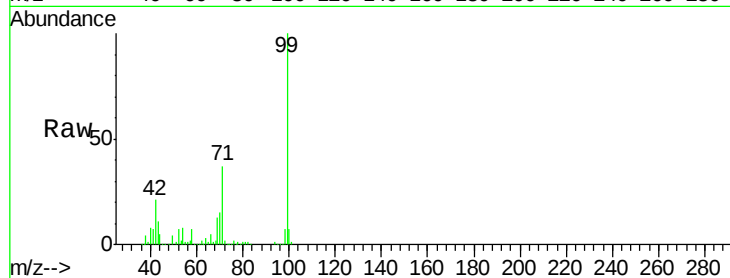
Tgt Ion: 99 Resp: 620685

Ion Ratio Lower Upper

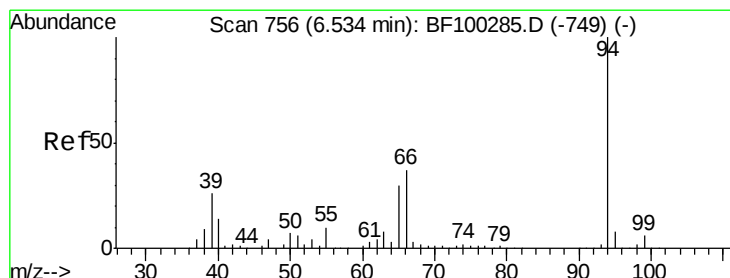
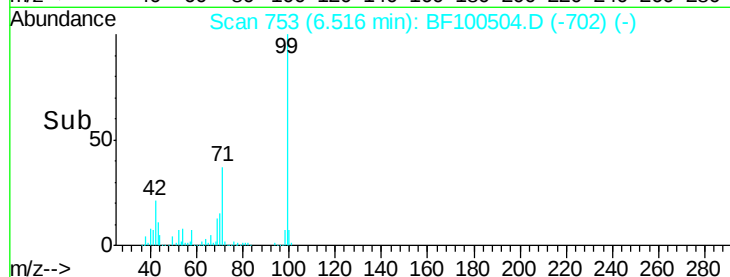
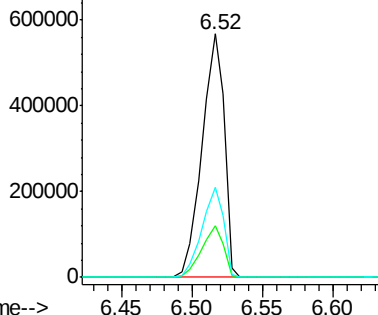
99 100

42 21.2 14.5 21.7

71 36.9 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: 4.11 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

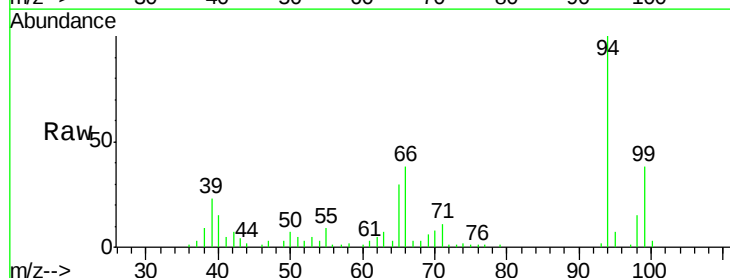
Tgt Ion: 94 Resp: 30820

Ion Ratio Lower Upper

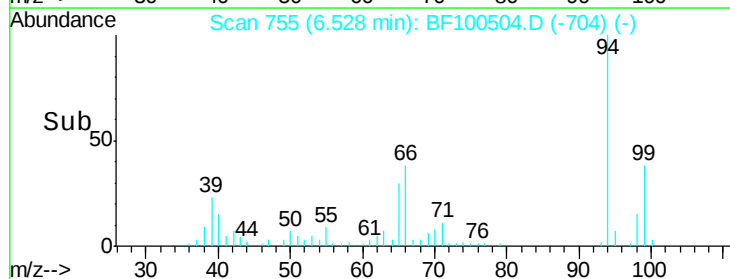
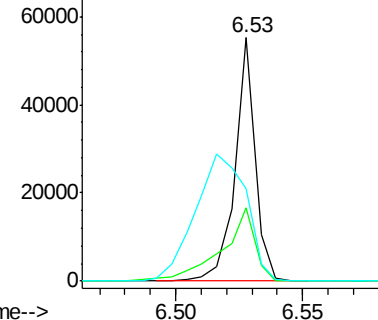
94 100

65 30.0 7.9 47.9

66 38.0 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

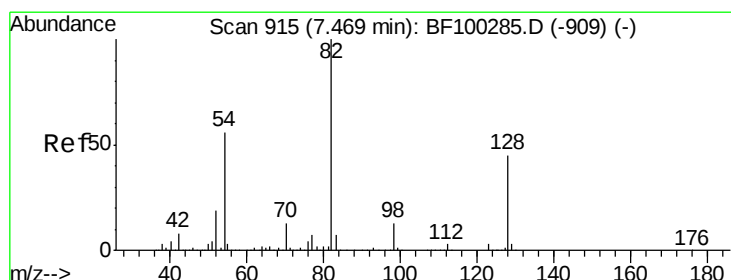
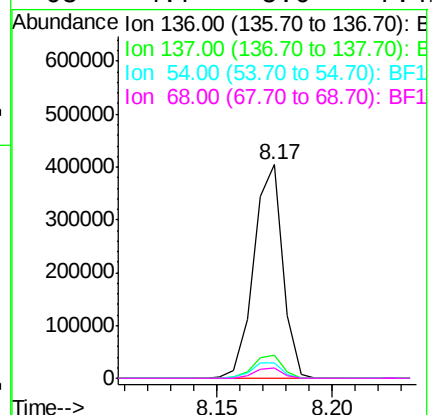
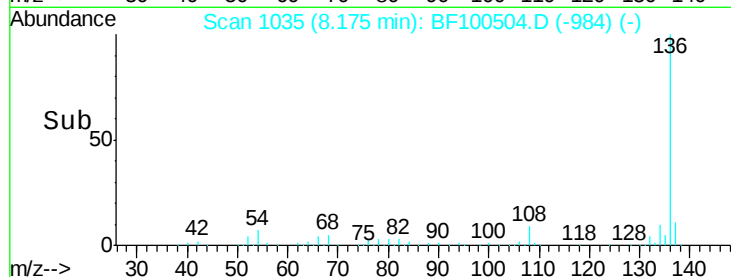
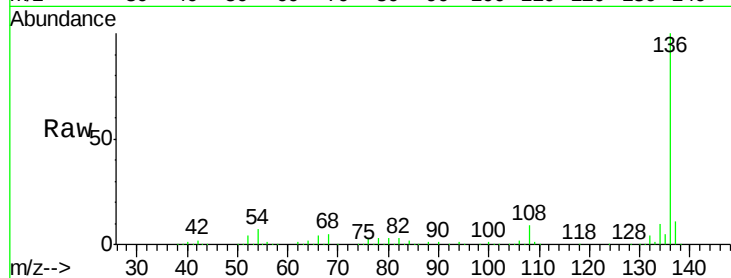




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

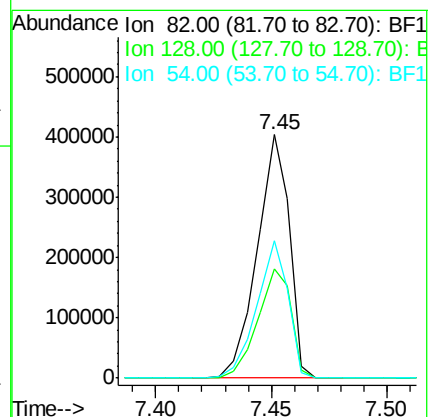
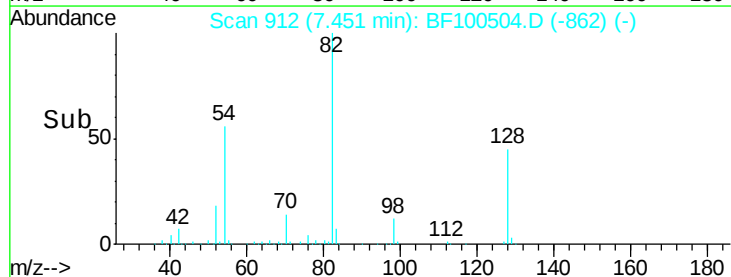
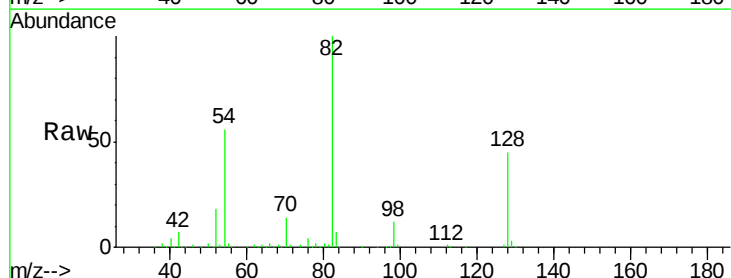
Instrument :
BNA_F
ClientSampleId :
MH-110917-01

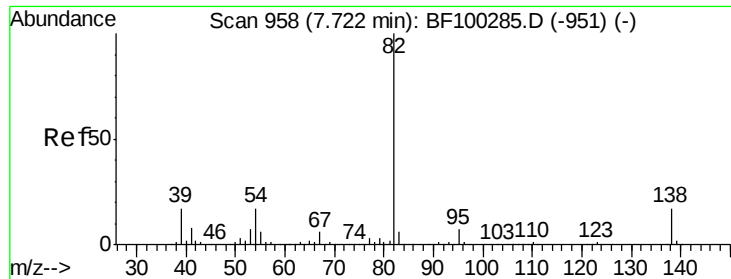
Tgt Ion:	136	Resp:	354792
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	6.6	9.8
68	4.7	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 73.02 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion:	82	Resp:	391854
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	56.2	41.4	62.2

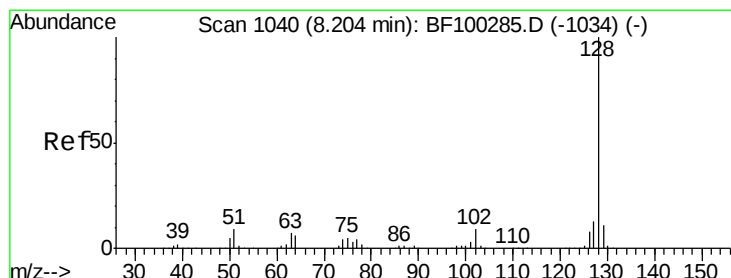
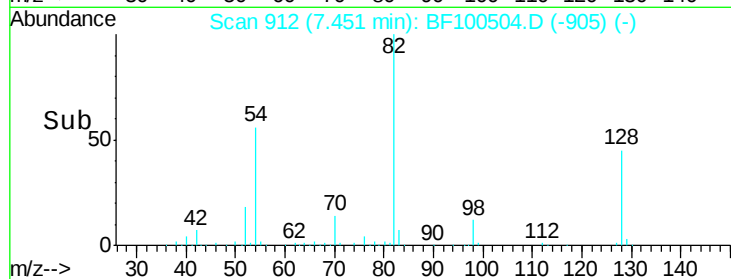
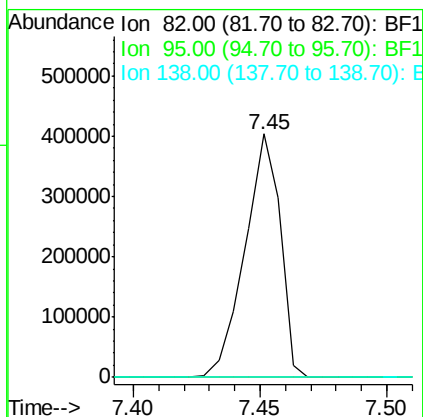
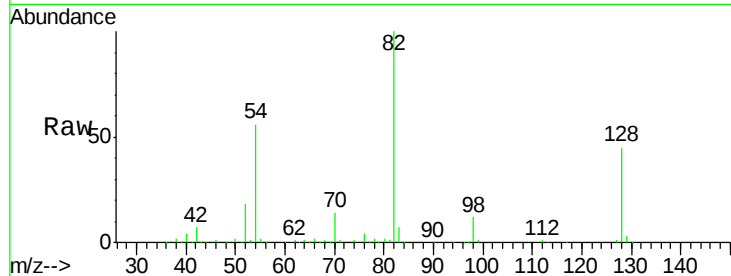




#25
Isophorone
Concen: 34.75 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

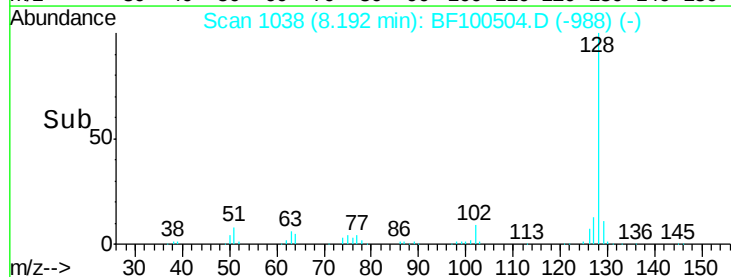
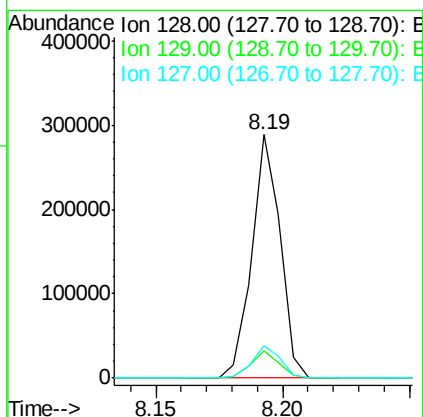
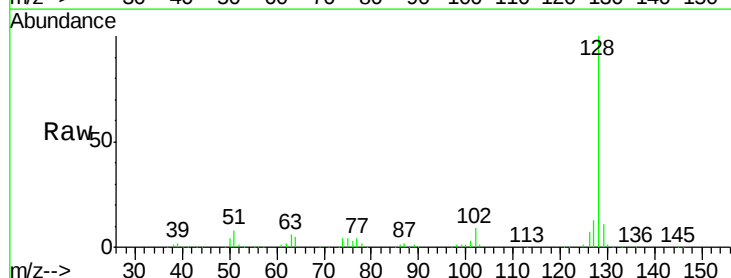
Instrument :
BNA_F
ClientSampleId :
MH-110917-01

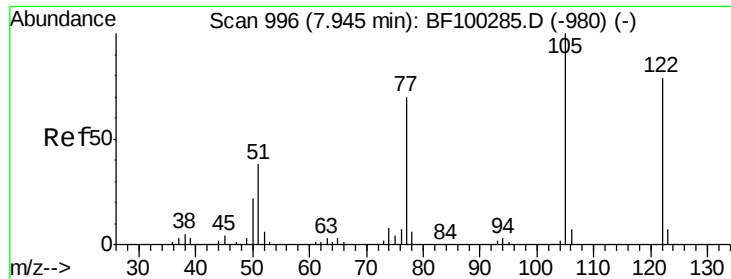
Tgt Ion: 82 Resp: 391844
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 13.16 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion: 128 Resp: 224948
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.9 16.3

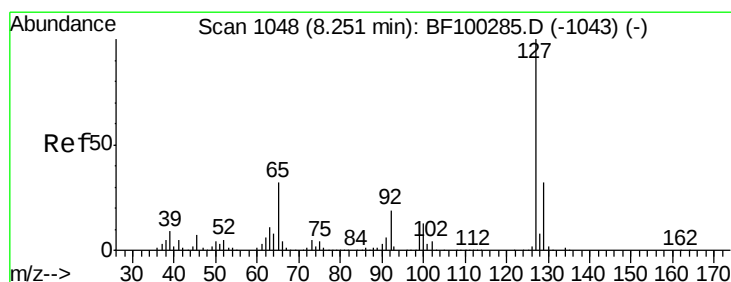
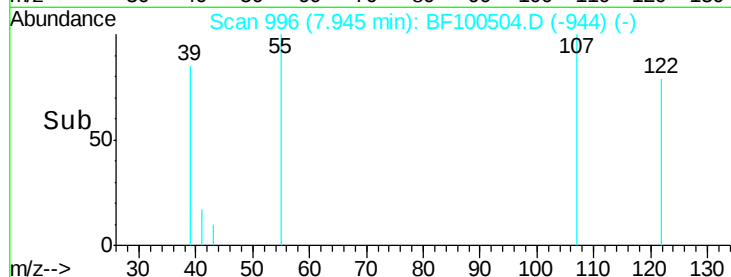
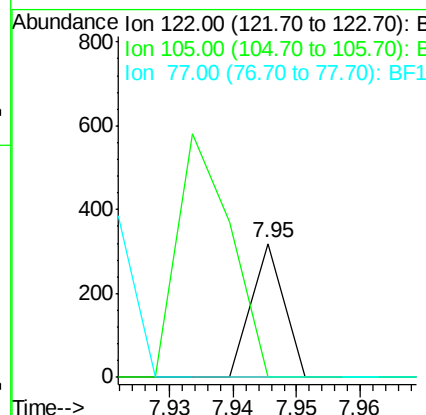
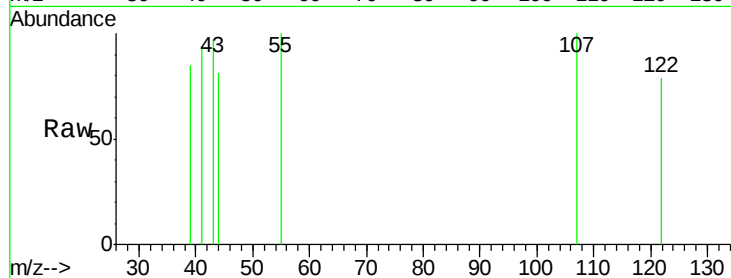




#32
Benzoic acid
Concen: 9.39 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

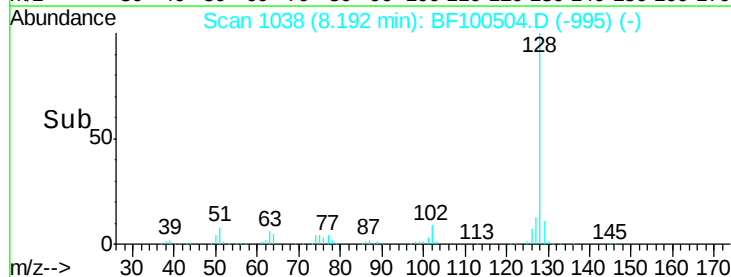
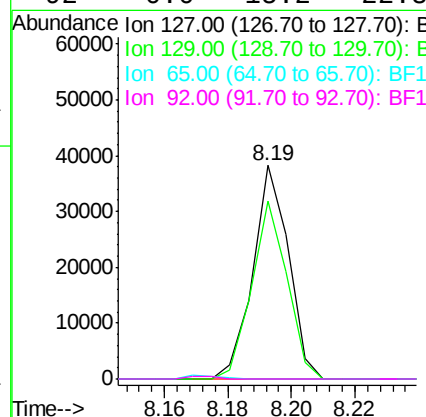
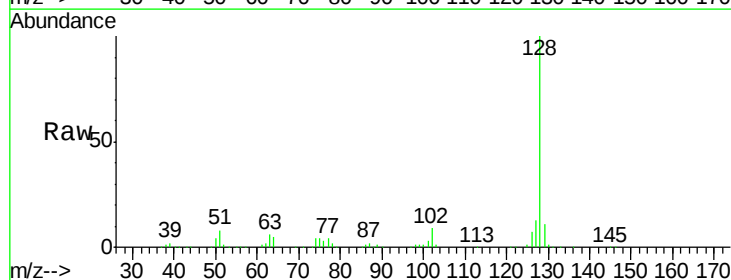
Instrument :
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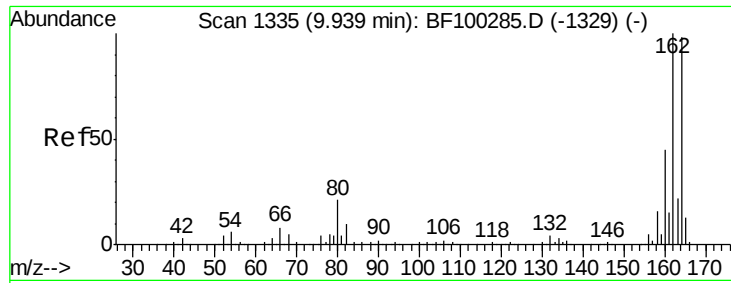
Tgt Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#



#33
4-Chloroaniline
Concen: 4.18 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion:127 Resp: 29760
Ion Ratio Lower Upper
127 100
129 83.3 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

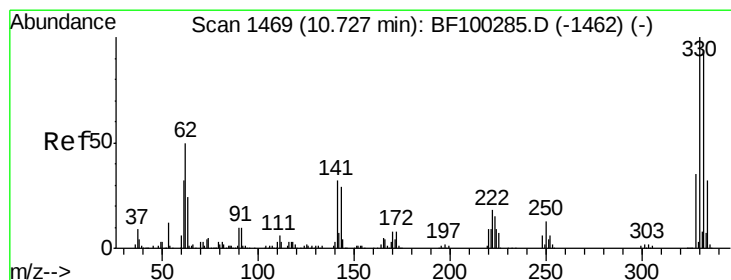
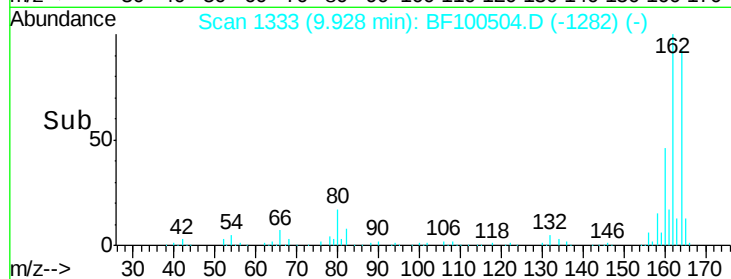
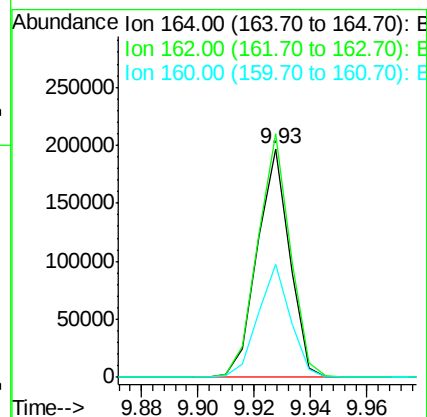
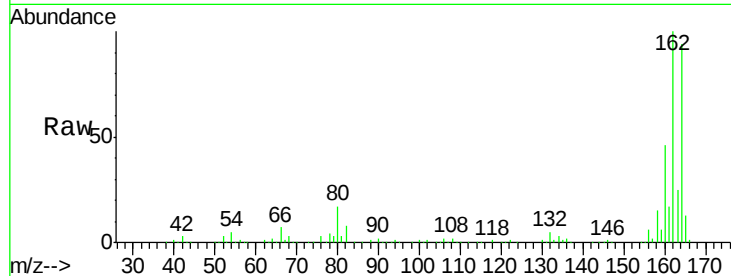




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: BF100504.D
 Acq: 13 Nov 2017 15:56

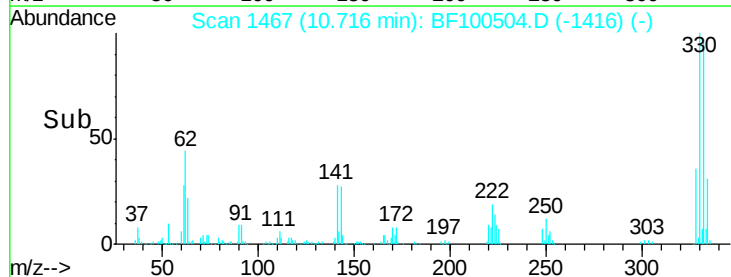
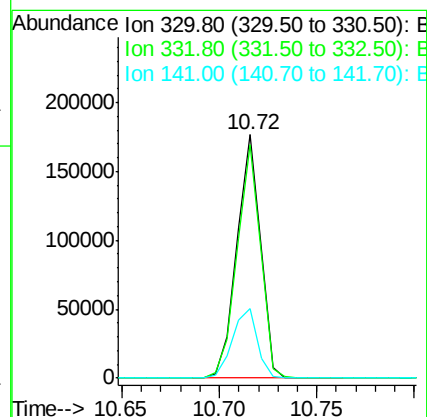
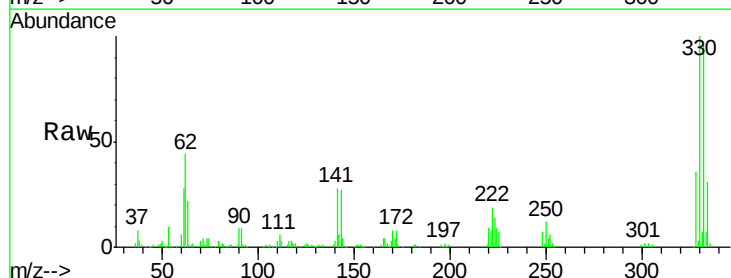
Instrument :
 BNA_F
 ClientSampled :
 MH-110917-01

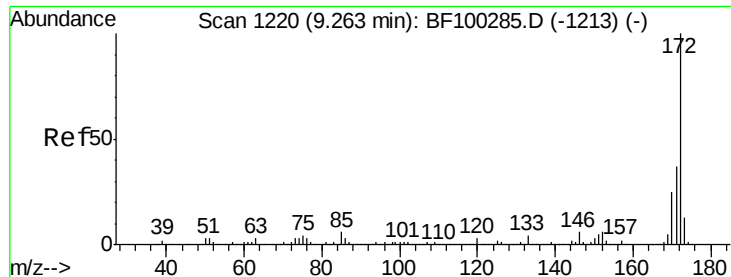
Tgt Ion:164 Resp: 156540
 Ion Ratio Lower Upper
 164 100
 162 106.5 86.1 129.1
 160 49.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 93.26 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF100504.D
 Acq: 13 Nov 2017 15:56

Tgt Ion:330 Resp: 148757
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 30.1 29.9 44.9

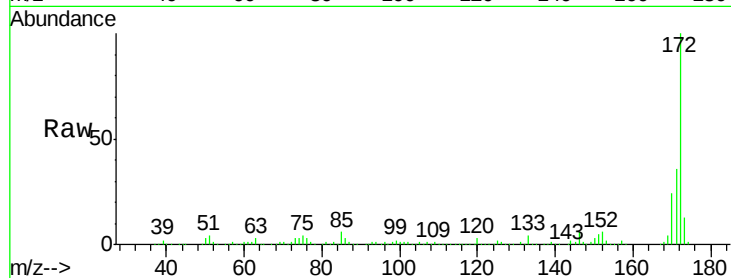




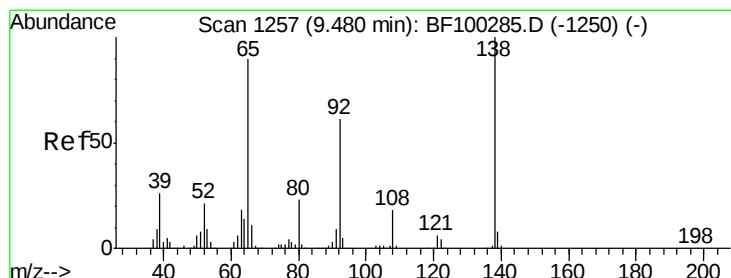
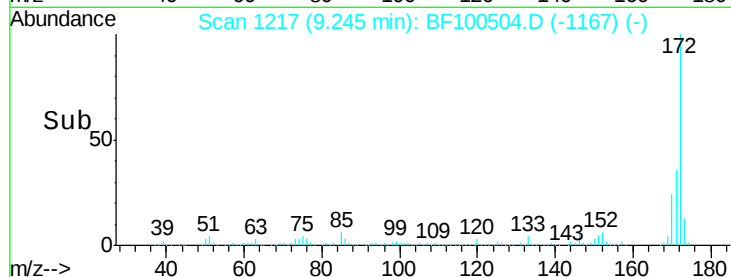
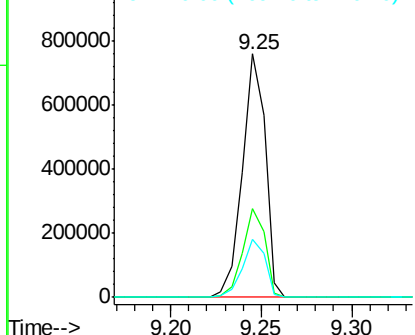
#44
2-Fluorobiphenyl
Concen: 64.53 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Tgt Ion: 172 Resp: 663392
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 23.8 19.6 29.4

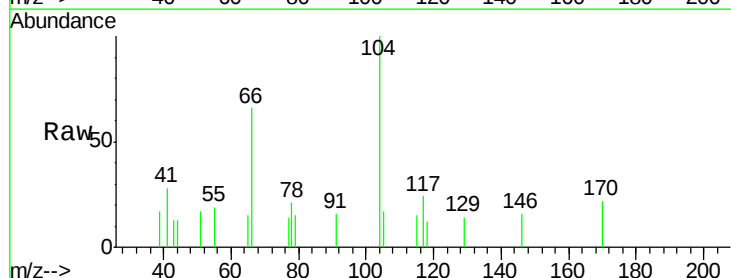


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

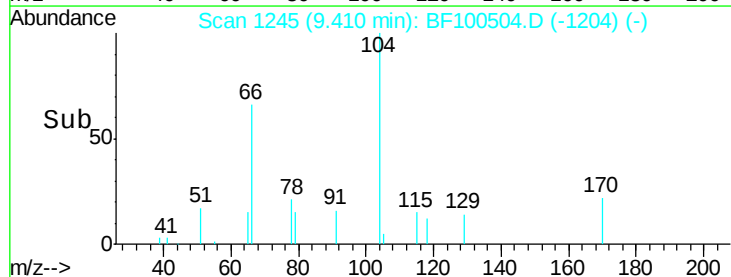
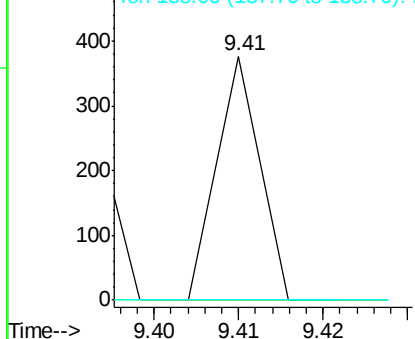


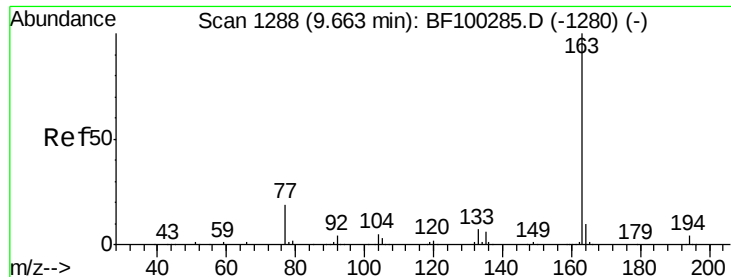
#47
2-Nitroaniline
Concen: 2.83 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion: 65 Resp: 133
Ion Ratio Lower Upper
65 100
92 0.0 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

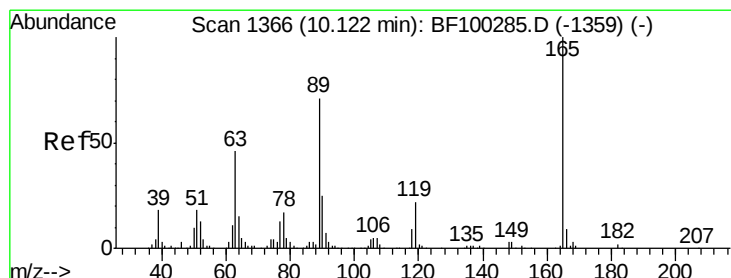
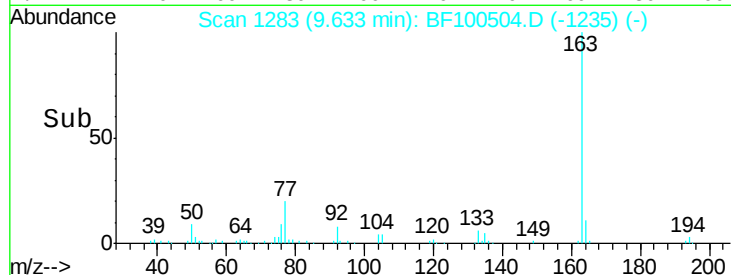
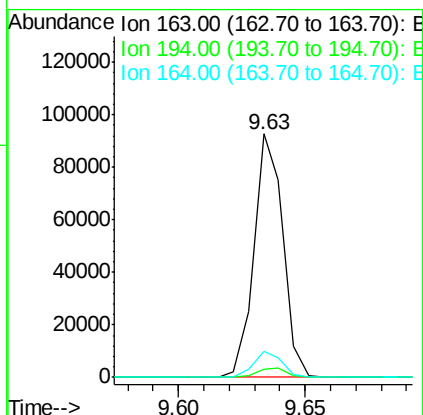
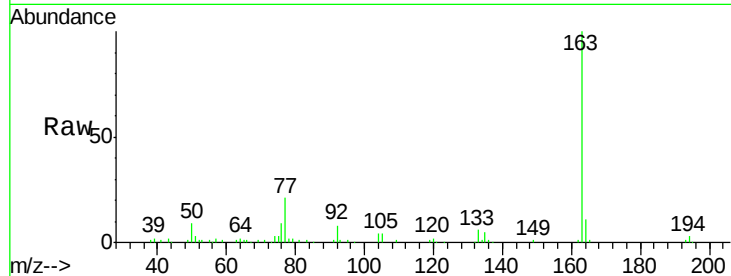




#49
Dimethylphthalate
Concen: 6.13 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

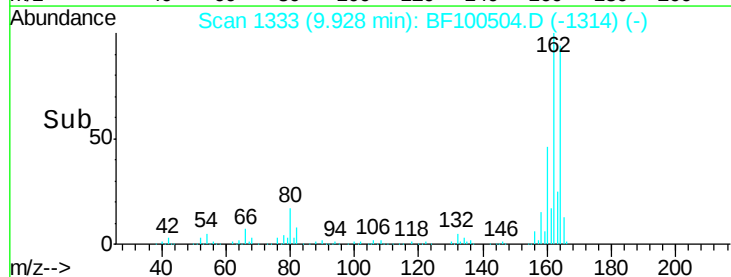
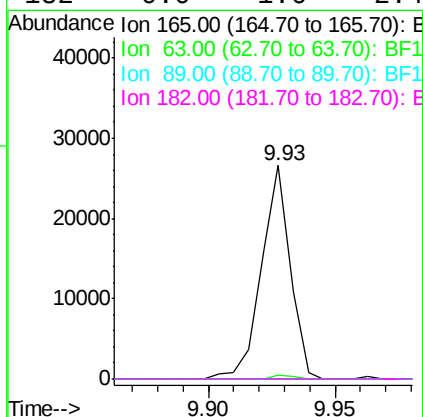
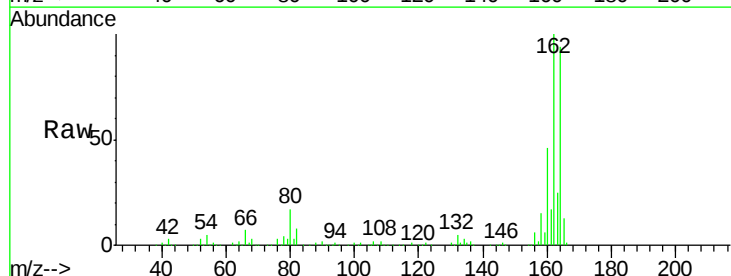
Instrument :
BNA_F
ClientSampleId :
MH-110917-01

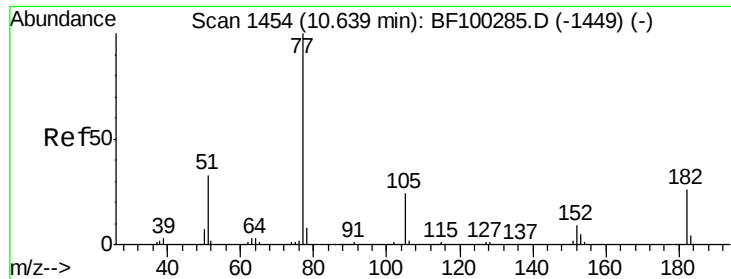
Tgt Ion:163 Resp: 73258
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.04 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion:165 Resp: 21022
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 3.23 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

Instrument :

BNA_F

ClientSampleId :

MH-110917-01

Tgt Ion: 77 Resp: 36371

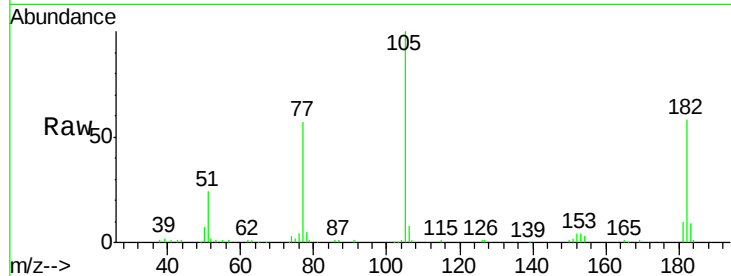
Ion Ratio Lower Upper

77 100

182 100.8 1.7 41.7#

105 174.6 3.0 43.0#

51 41.3 9.9 49.9

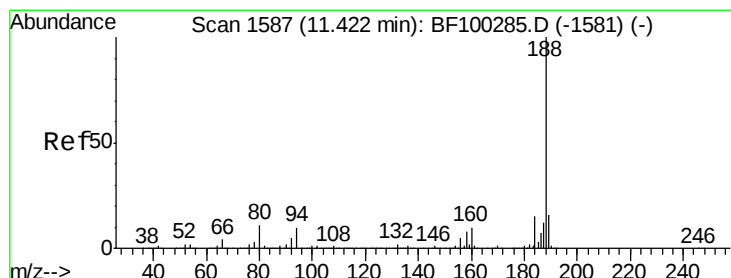
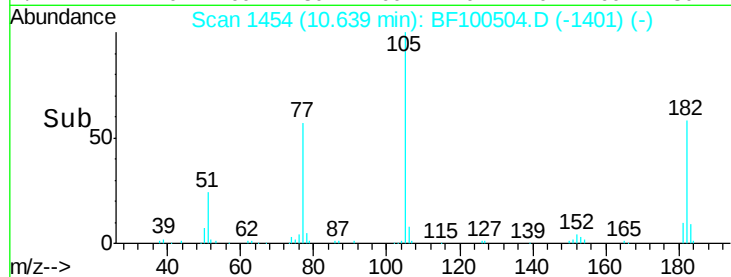
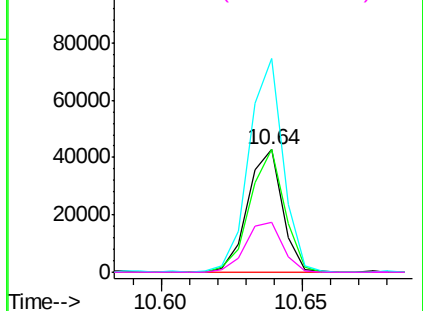


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

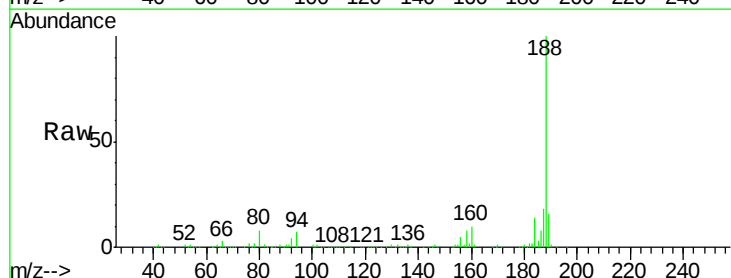
Tgt Ion: 188 Resp: 260947

Ion Ratio Lower Upper

188 100

94 7.0 8.5 12.7#

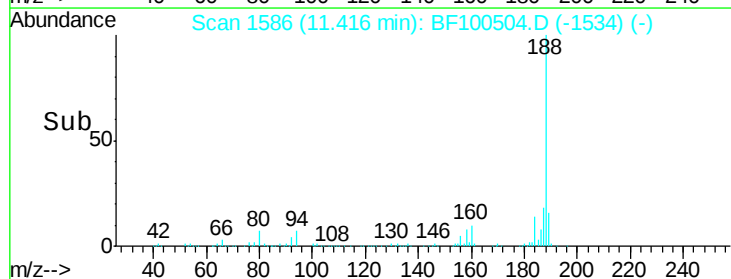
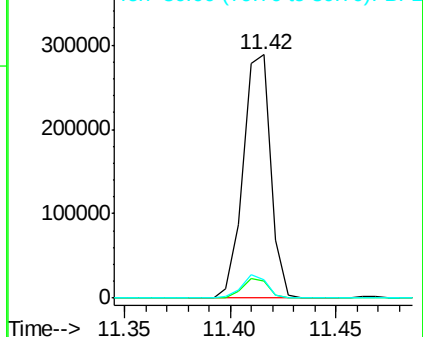
80 7.5 9.2 13.8#

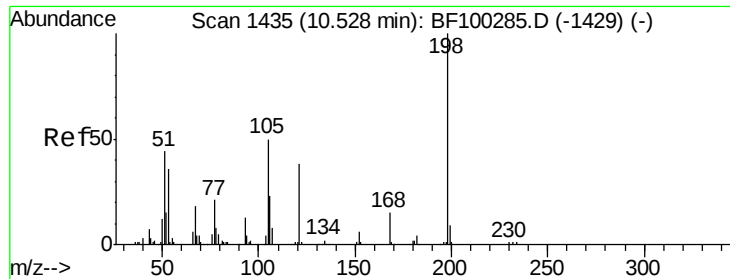


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

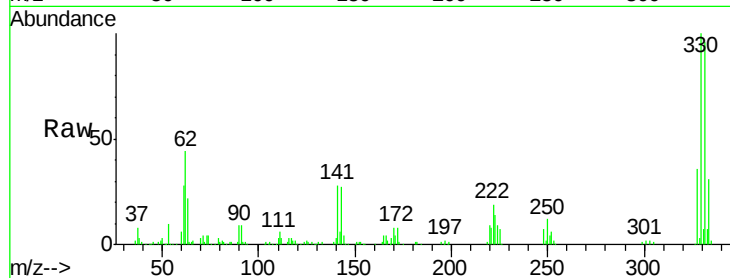




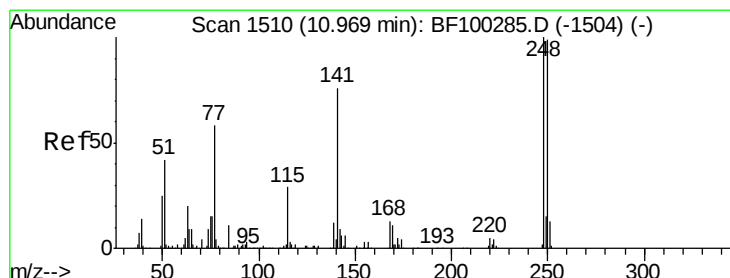
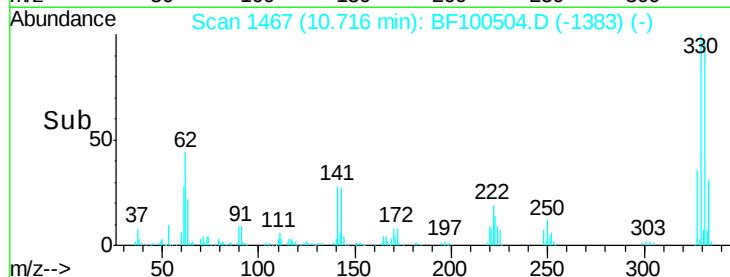
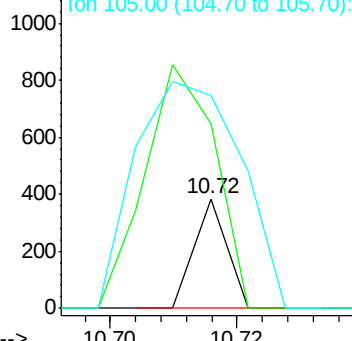
#64
4,6-Dinitro-2-methylphenol
Concen: 8.65 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Tgt Ion:198 Resp: 135
Ion Ratio Lower Upper
198 100
51 168.9 37.7 77.7#
105 194.8 36.3 76.3#

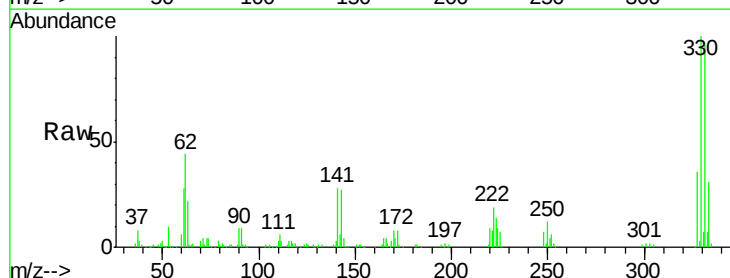


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

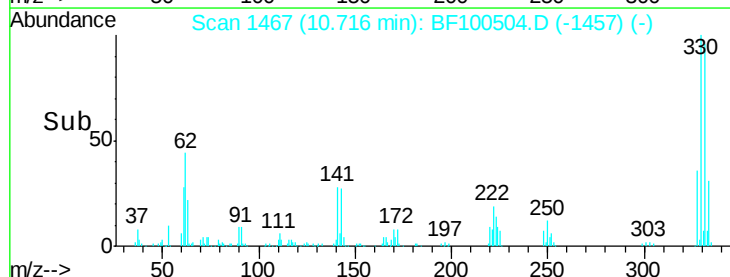
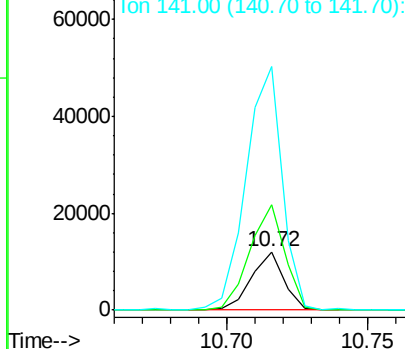


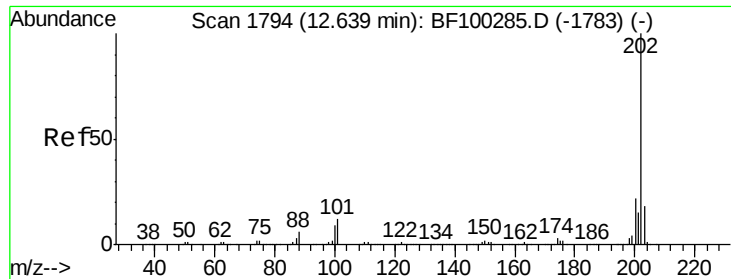
#66
4-Bromophenyl-phenylether
Concen: 3.47 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion:248 Resp: 9697
Ion Ratio Lower Upper
248 100
250 181.5 76.9 115.3#
141 416.8 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: 2.49 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

Instrument :

BNA_F

ClientSampleId :

MH-110917-01

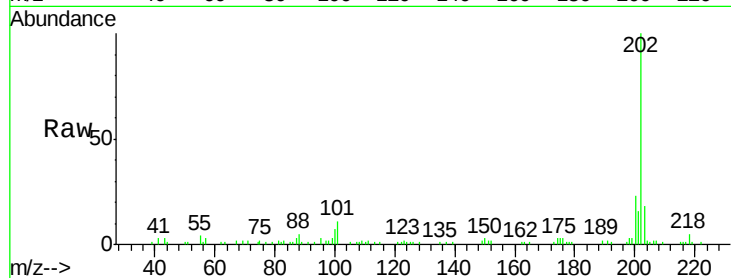
Tgt Ion:202 Resp: 36250

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

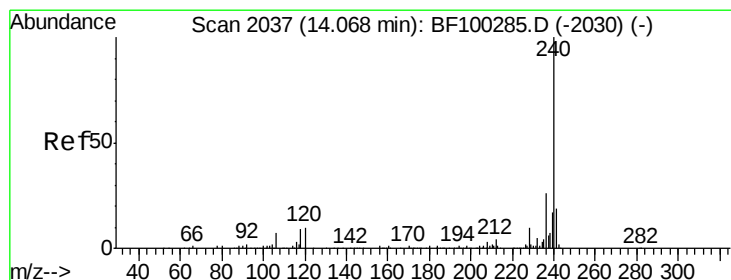
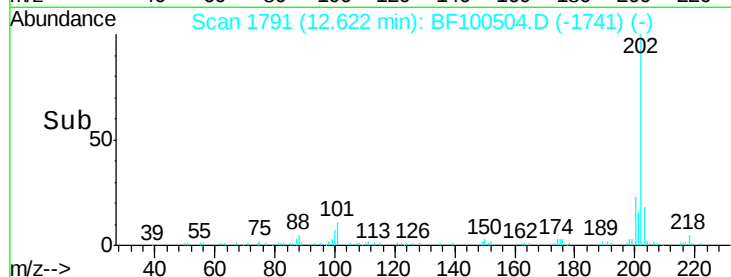
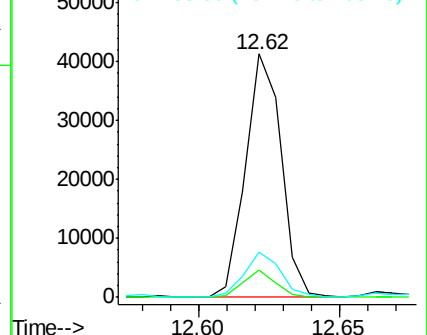
203 18.4 0.0 38.1



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: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

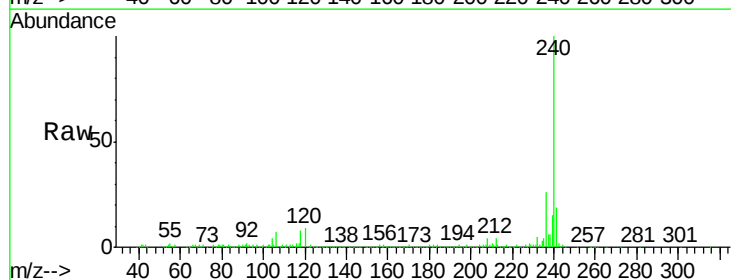
Tgt Ion:240 Resp: 191769

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

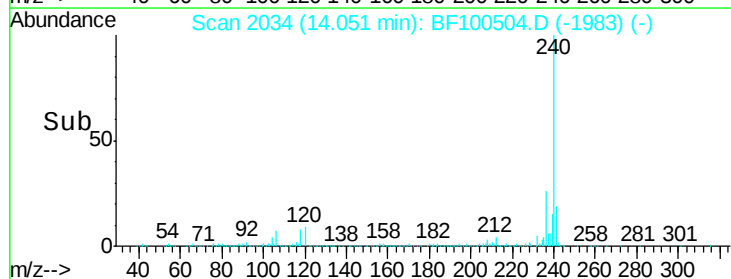
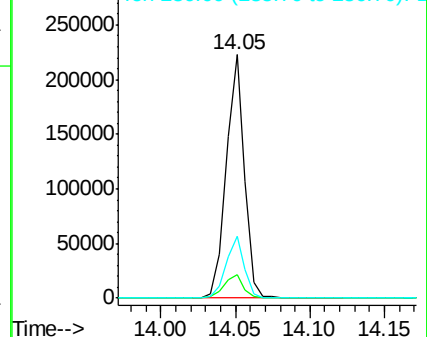
236 25.6 20.7 31.1

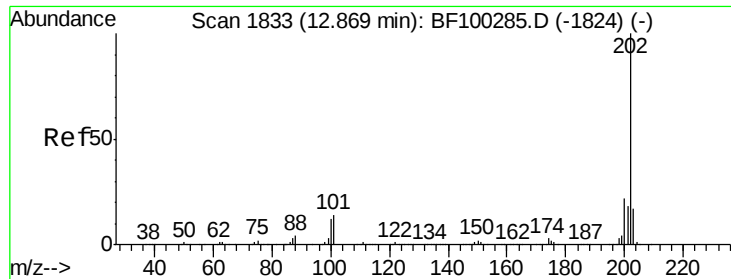


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

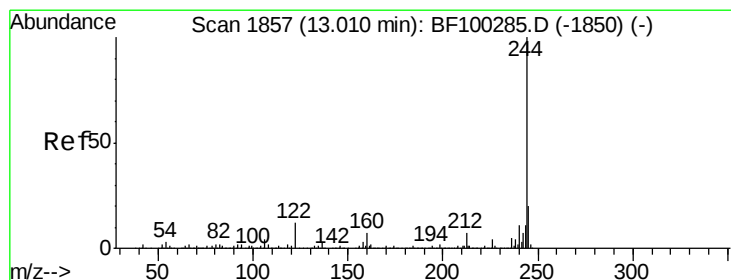
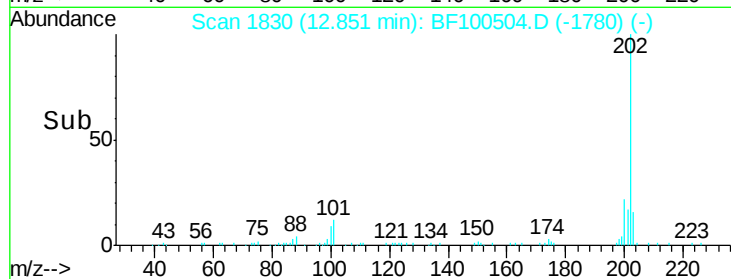
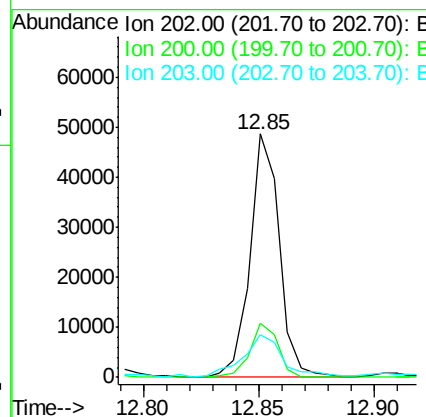
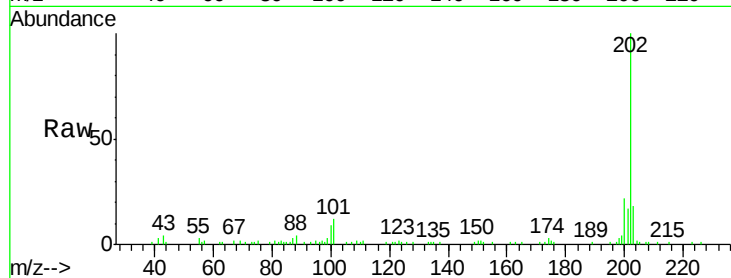




#77
 Pyrene
 Concen: 3.16 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF100504.D
 Acq: 13 Nov 2017 15:56

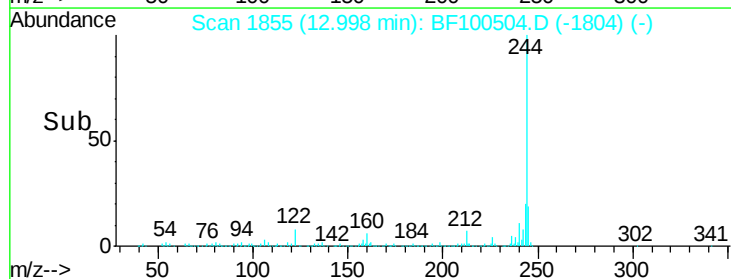
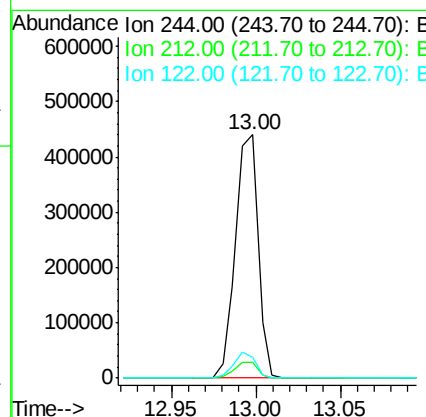
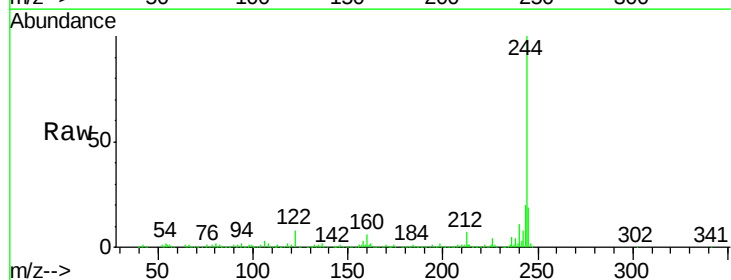
Instrument :
 BNA_F
 ClientSampleId :
 MH-110917-01

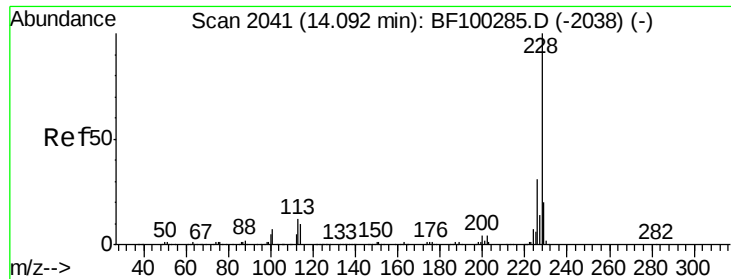
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	17.6	14.3	21.5



#78
 Terphenyl-d14
 Concen: 49.13 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BF100504.D
 Acq: 13 Nov 2017 15:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	8.4	11.0	16.4#

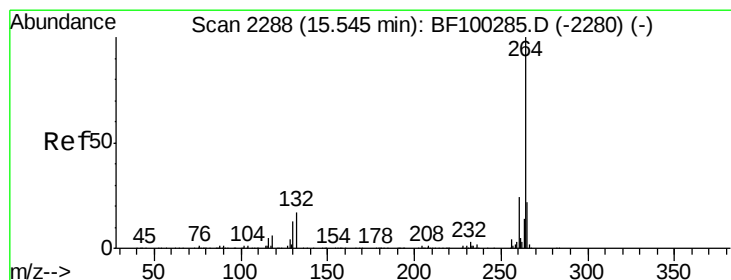
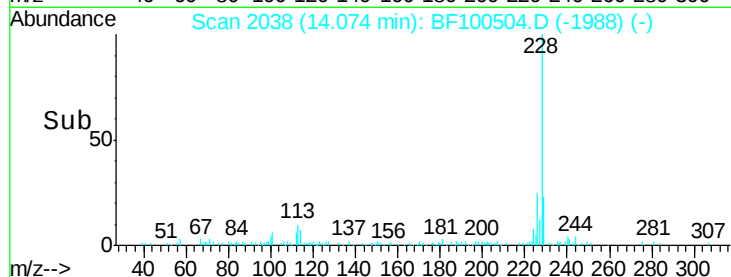
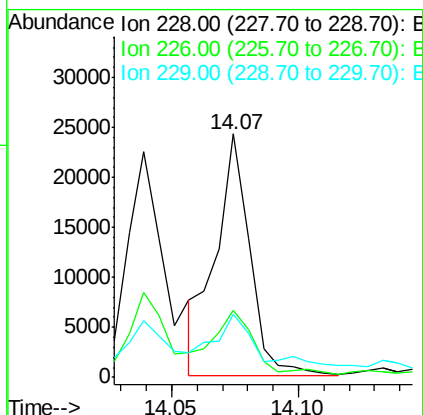
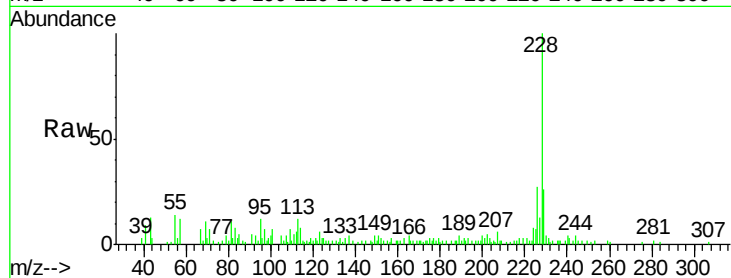




#82
Chrysene
Concen: 2.04 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

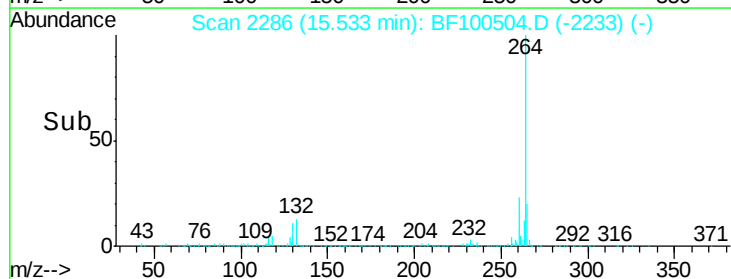
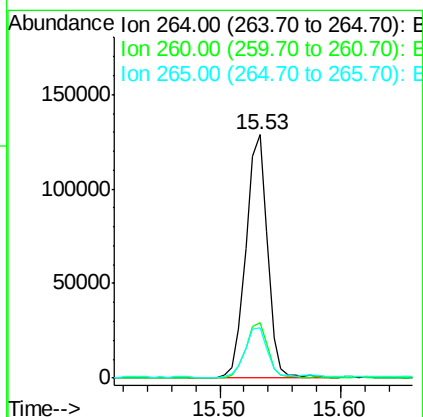
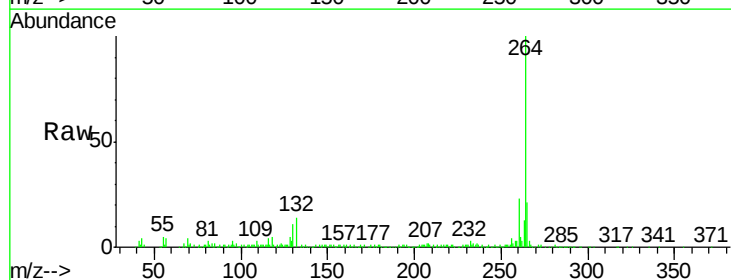
Instrument :
BNA_F
ClientSampleId :
MH-110917-01

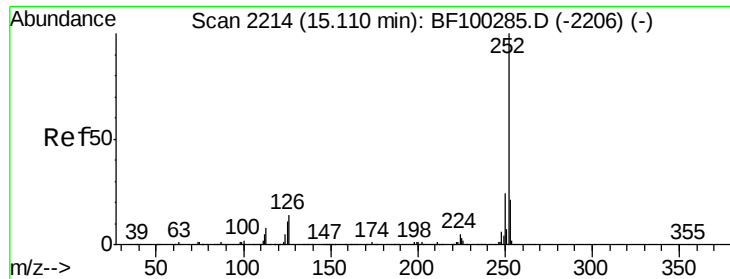
Tgt Ion:228 Resp: 22785
Ion Ratio Lower Upper
228 100
226 27.4 25.0 37.6
229 25.8 16.2 24.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion:264 Resp: 162542
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 20.6 17.5 26.3

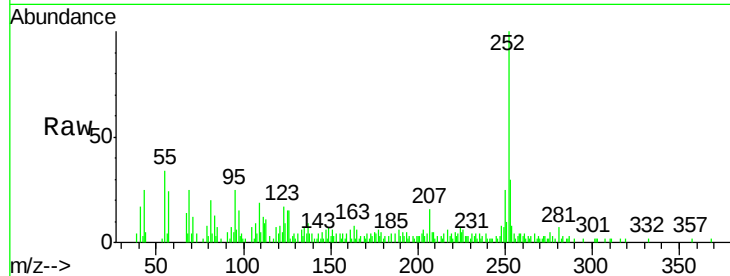




#87
Benzo(b)fluoranthene
Concen: 3.53 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.0	25.6#
125	15.2	9.0	13.6#

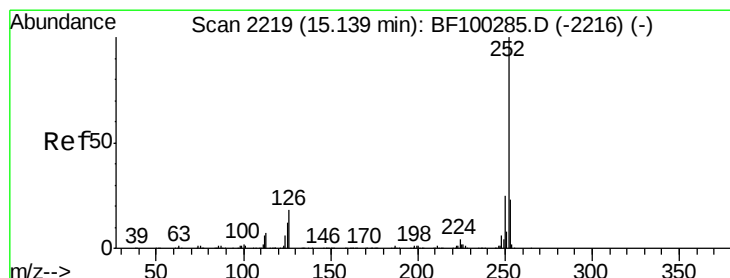
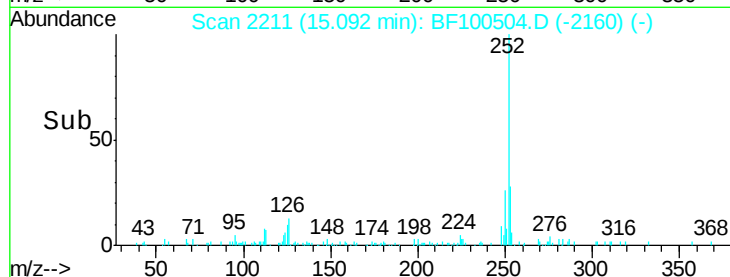
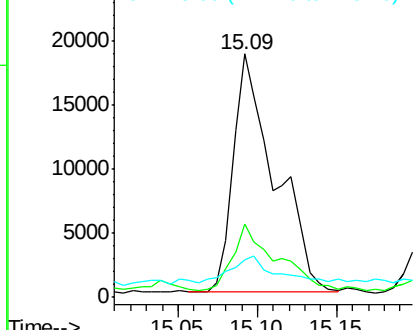


Abundance

Ion 252.00 (251.70 to 252.70): E

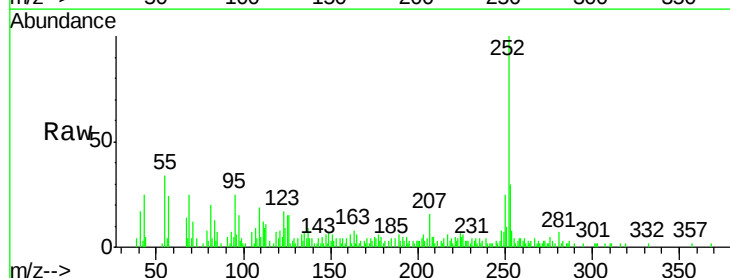
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.74 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF100504.D
Acq: 13 Nov 2017 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.9	26.9#
125	15.2	10.2	15.2

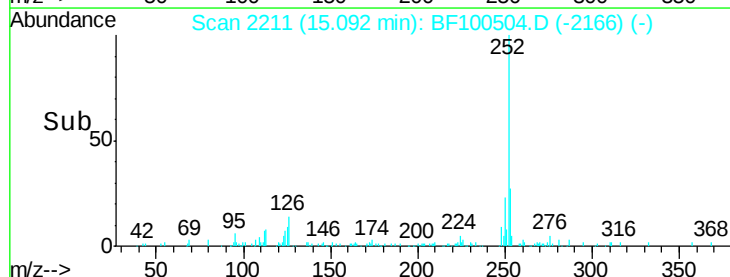
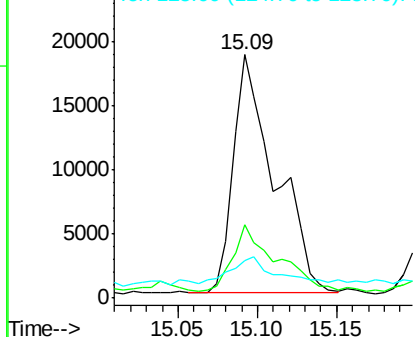


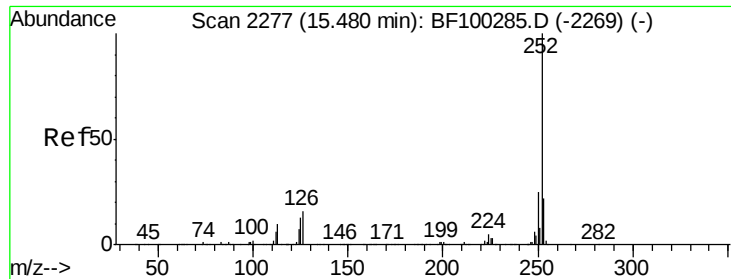
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.45 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

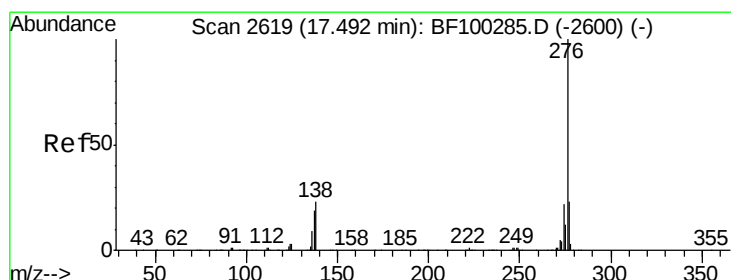
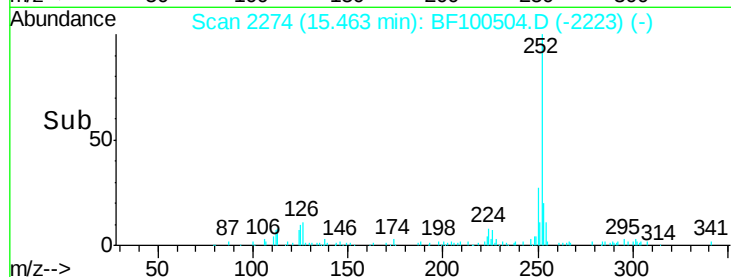
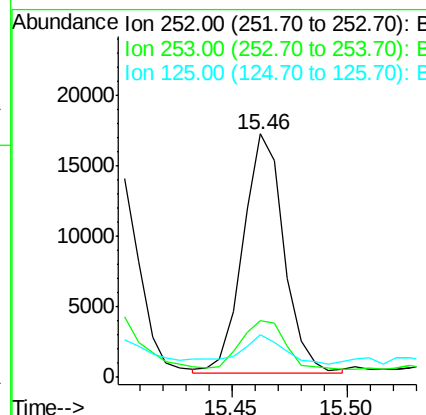
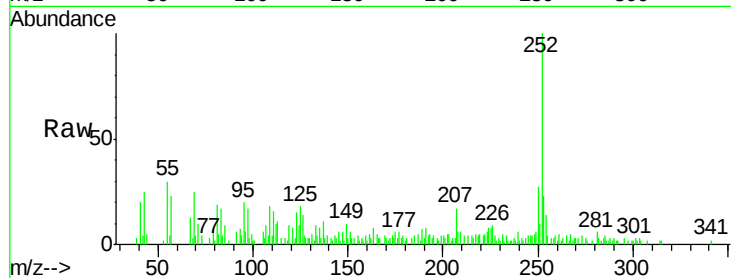
Instrument :

BNA_F

ClientSampleId :

MH-110917-01

Tgt Ion:	252	Resp:	20931
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	17.6	9.8	14.6#



#91

Benzo(g,h,i)perylene

Concen: 2.39 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.00 min

Lab File: BF100504.D

Acq: 13 Nov 2017 15:56

Tgt Ion:	276	Resp:	16324
Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9#
138	20.7	21.8	32.8#

