

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100984.D
 Acq On : 29 Nov 2017 18:05
 Operator : SJ/JU
 Sample : I6302-07 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 23:42:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

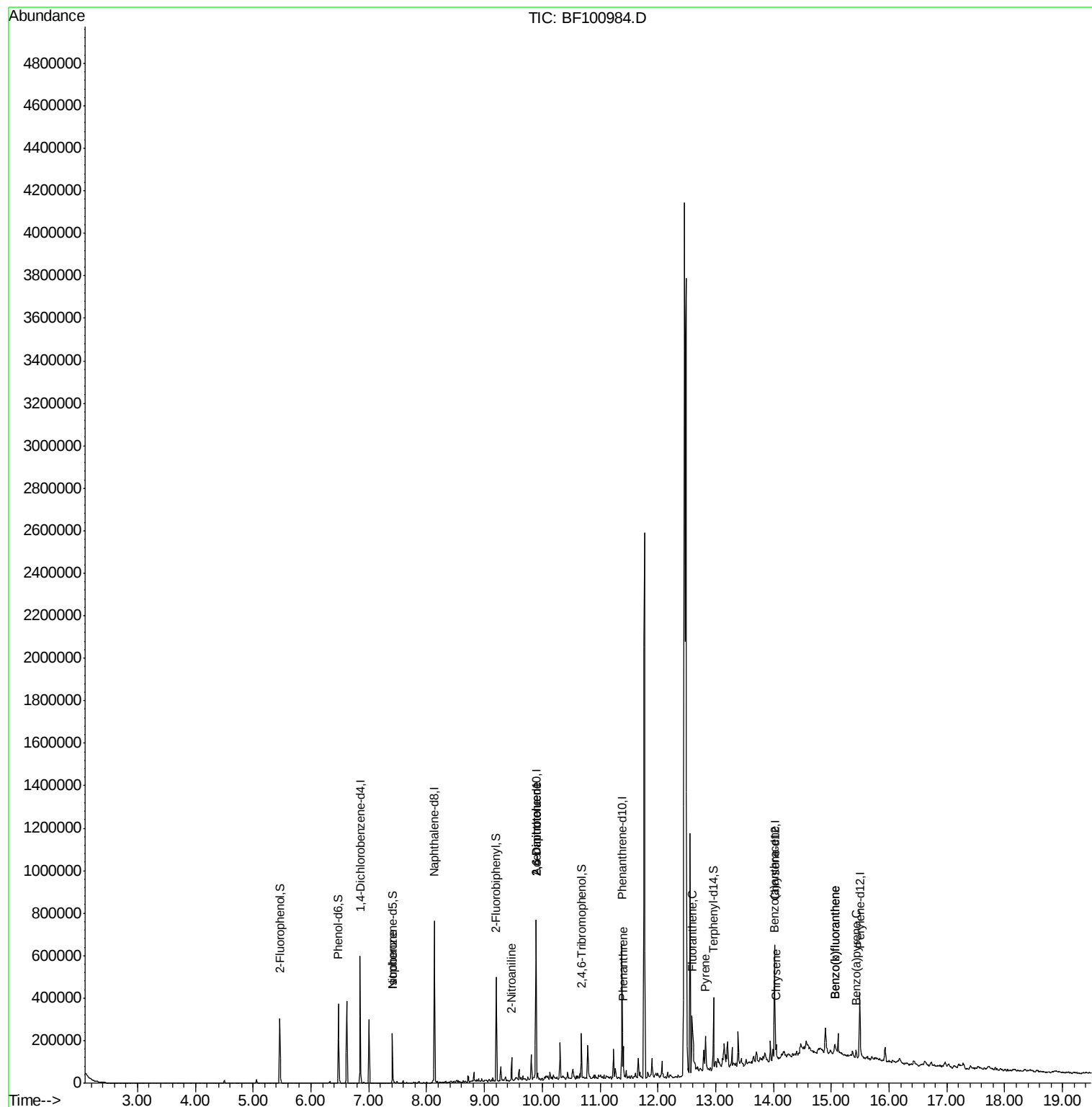
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	84850	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	321588	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	137730	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	216009	20.00	ng	0.00
75) Chrysene-d12	14.02	240	168836	20.00	ng	0.00
86) Perylene-d12	15.49	264	131691	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	86801	16.40	ng	-0.01
7) Phenol-d6	6.47	99	105176	16.11	ng	-0.02
23) Nitrobenzene-d5	7.41	82	61024	12.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	24999	17.81	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	147901	16.35	ng	-0.01
78) Terphenyl-d14	12.96	244	101137	13.76	ng	0.00
Target Compounds						
25) Isophorone	7.41	82	61022	5.970	ng	# 64
47) 2-Nitroaniline	9.47	65	111	2.825	ng	# 2
50) 2,6-Dinitrotoluene	9.89	165	17714	8.510	ng	# 26
56) 2,4-Dinitrotoluene	9.89	165	17714	6.746	ng	# 23
70) Phenanthrene	11.40	178	53493	4.703	ng	98
74) Fluoranthene	12.59	202	65918	5.469	ng	96
77) Pyrene	12.82	202	52909	4.396	ng	99
80) Benzo(a)anthracene	14.01	228	28043	2.758	ng	95
82) Chrysene	14.05	228	24976	2.537	ng	97
87) Benzo(b)fluoranthene	15.06	252	34636	4.439	ng	# 92
88) Benzo(k)fluoranthene	15.06	252	34636	4.698	ng	# 95
89) Benzo(a)pyrene	15.43	252	15494	2.240	ng	# 82

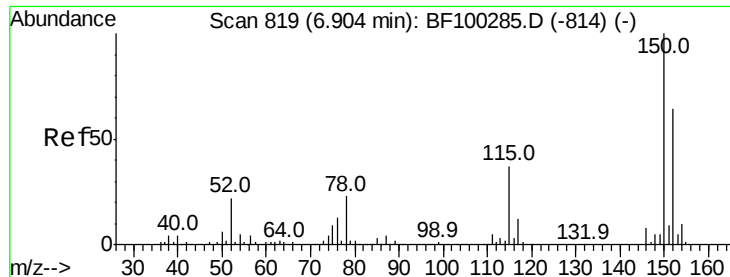
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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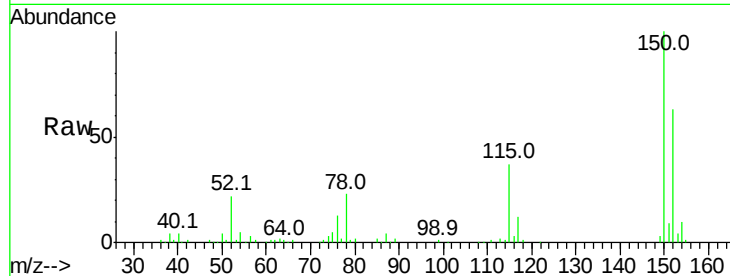


#1

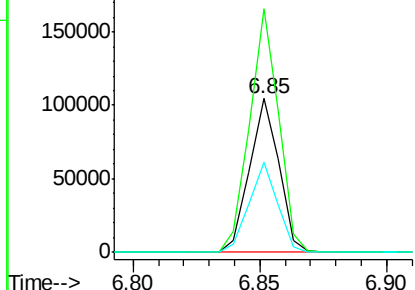
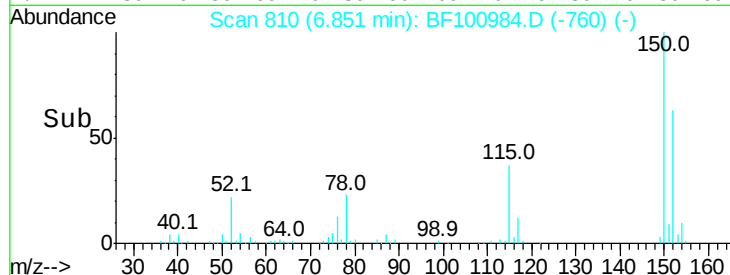
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 84850
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 58.7 50.1 75.1



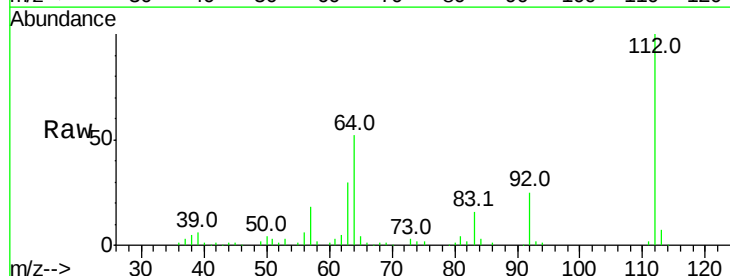
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



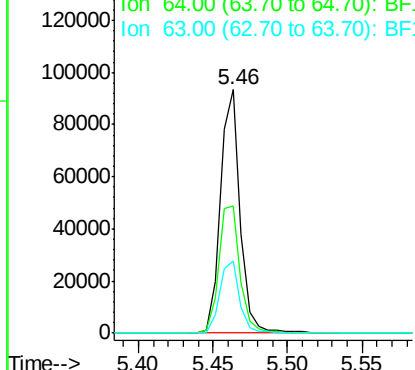
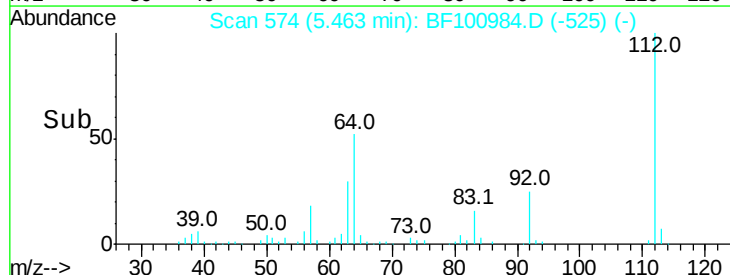
#5

2-Fluorophenol
Concen: 16.398 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Tgt Ion:112 Resp: 86801
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 29.7 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: 16.113 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

Instrument :

BNA_F

ClientSampleId :

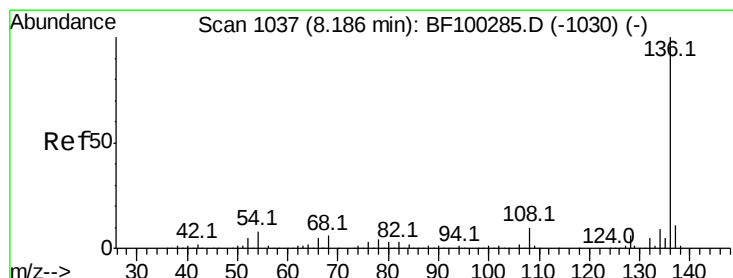
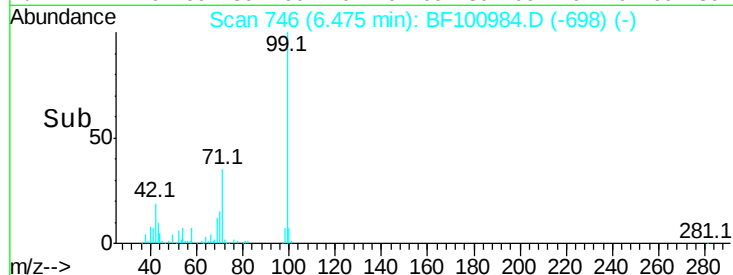
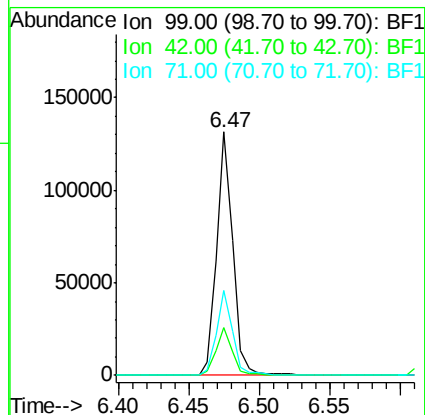
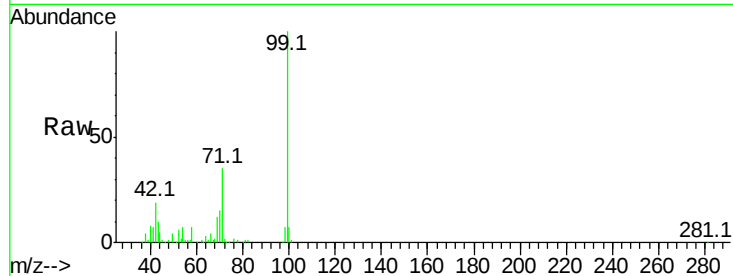
Tot Ion: 99 Resp: 105176

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 34.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

Tgt Ion: 136 Resp: 321588

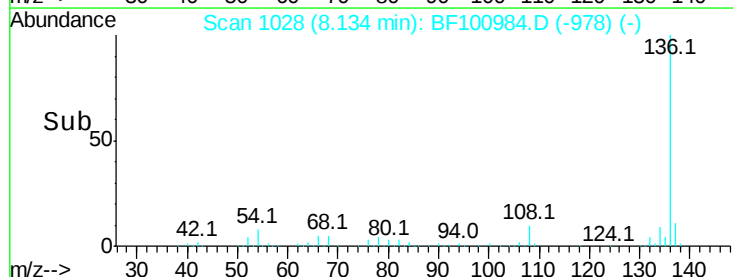
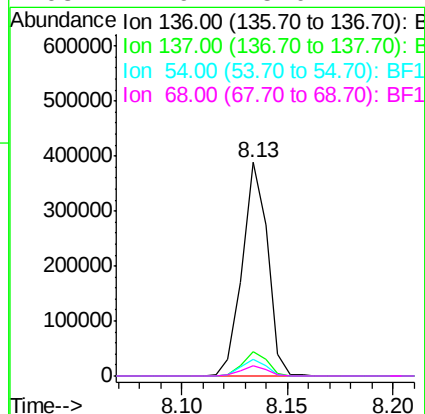
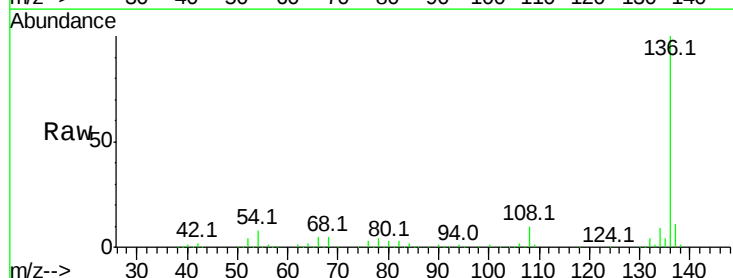
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.1 6.6 9.8

68 4.9 5.0 7.4#

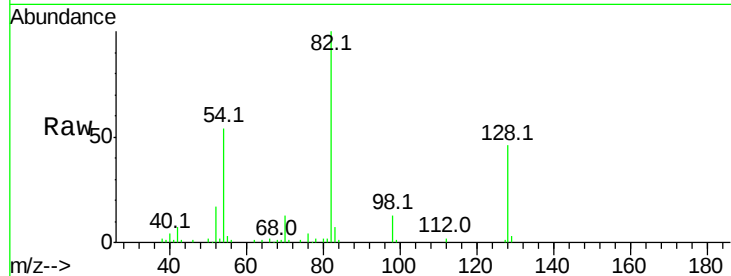




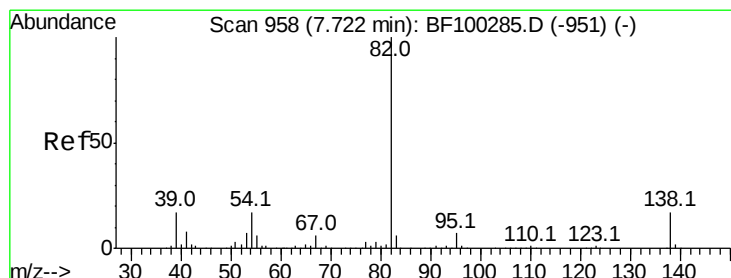
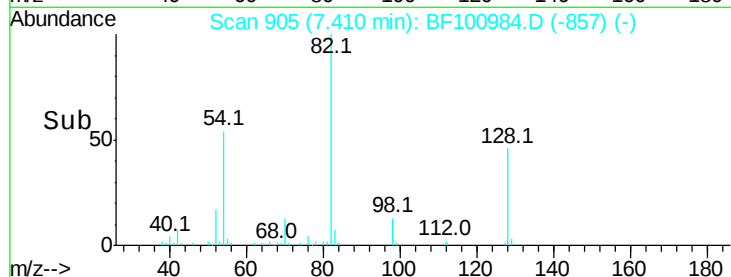
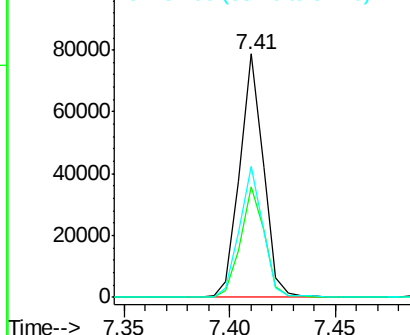
#23
 Nitrobenzene-d5
 Concen: 12.546 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF100984.D
 Acq: 29 Nov 2017 18:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 61024
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.1 54.1
 54 53.7 41.4 62.2

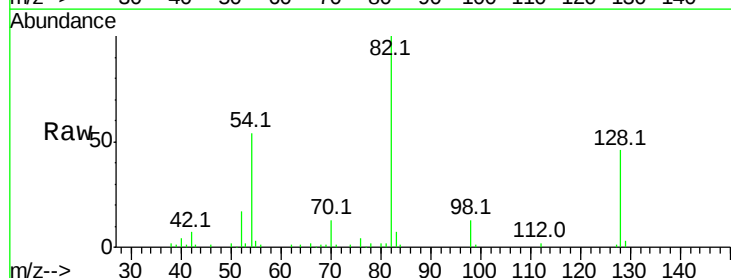


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

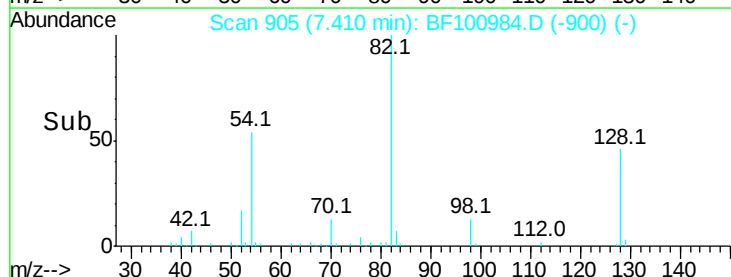
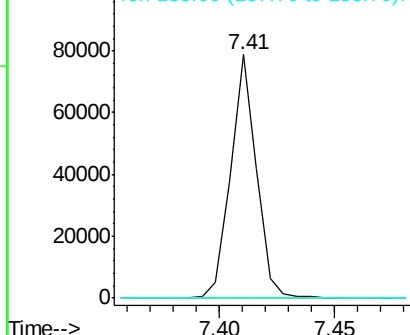


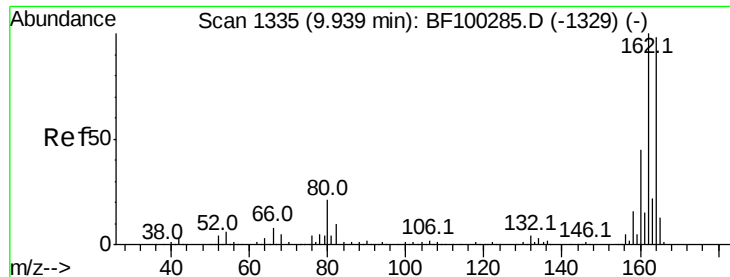
#25
 Isophorone
 Concen: 5.970 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF100984.D
 Acq: 29 Nov 2017 18:05

Tgt Ion: 82 Resp: 61022
 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

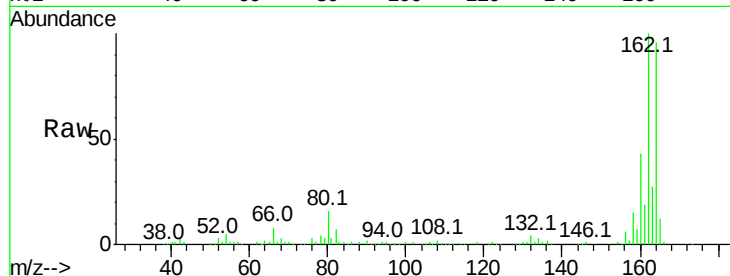




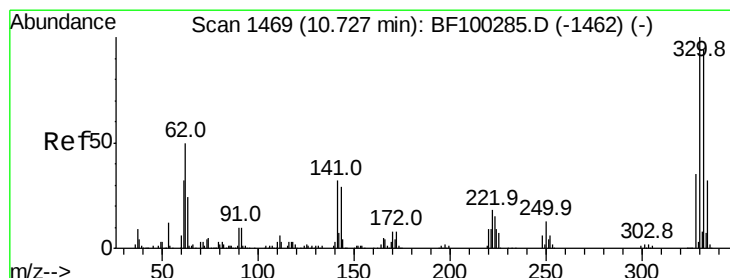
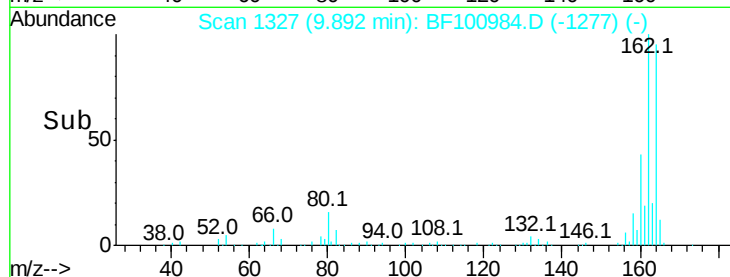
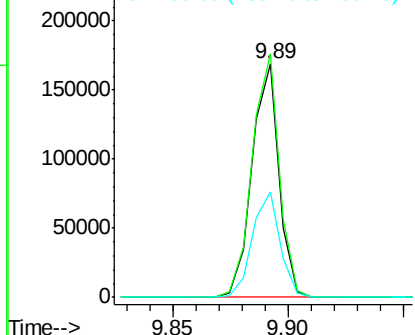
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF100984.D
 Acq: 29 Nov 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 137730
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 45.2 38.3 57.5

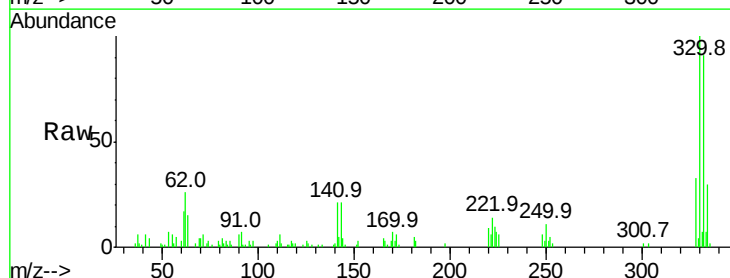


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

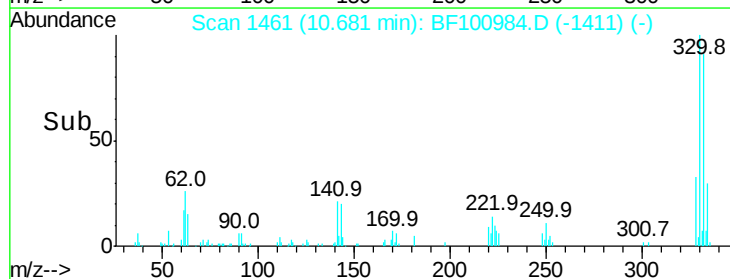
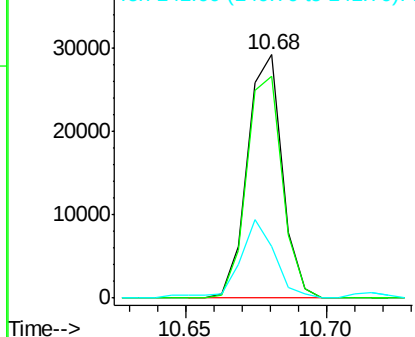


#41
 2,4,6-Tribromophenol
 Concen: 17.812 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100984.D
 Acq: 29 Nov 2017 18:05

Tgt Ion:330 Resp: 24999
 Ion Ratio Lower Upper
 330 100
 332 94.0 77.0 115.6
 141 32.5 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

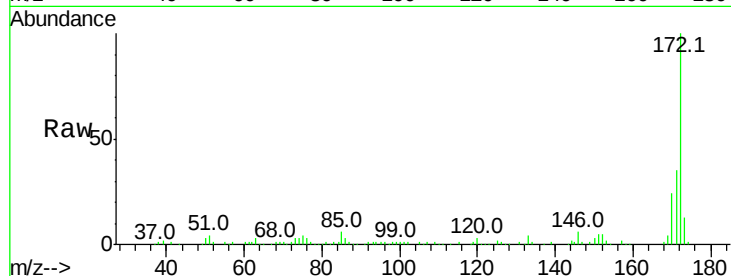




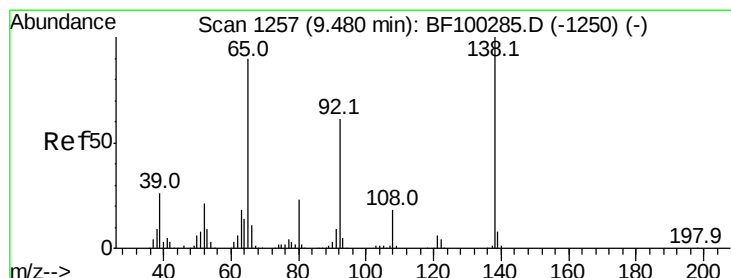
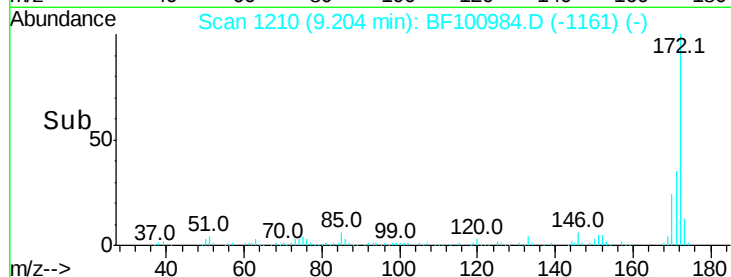
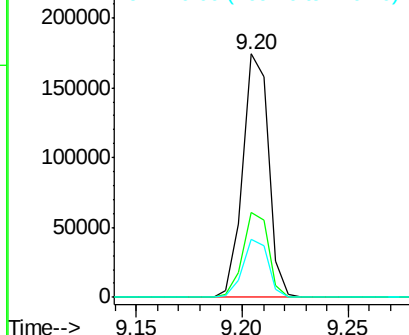
#44
2-Fluorobiphenyl
Concen: 16.352 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 147901
Ion Ratio Lower Upper
172 100
171 34.8 29.7 44.5
170 23.6 19.6 29.4

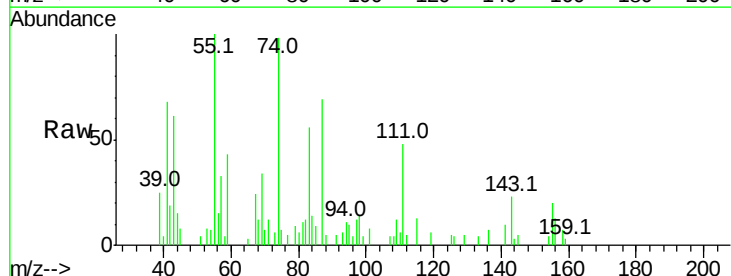


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

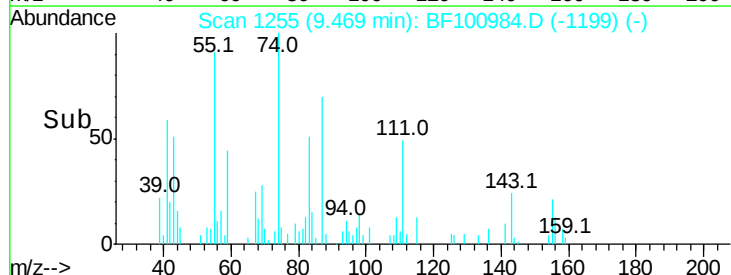
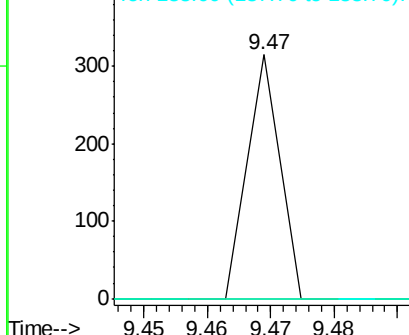


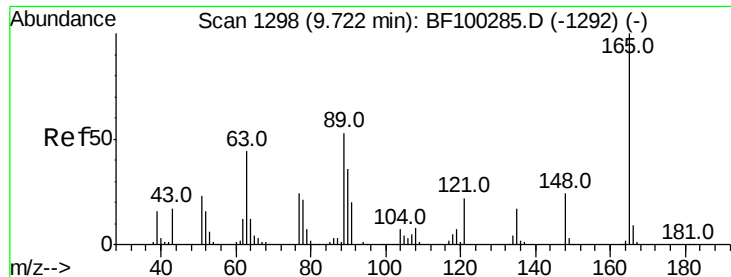
#47
2-Nitroaniline
Concen: 2.825 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.03 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Tgt Ion: 65 Resp: 111
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

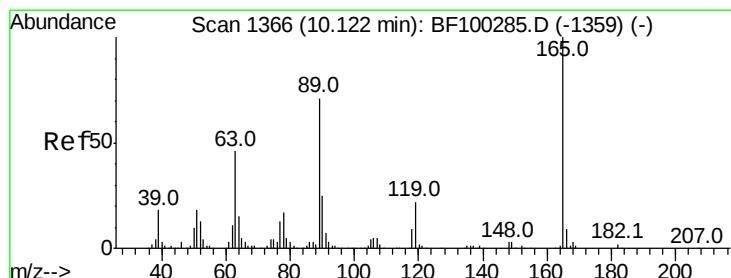
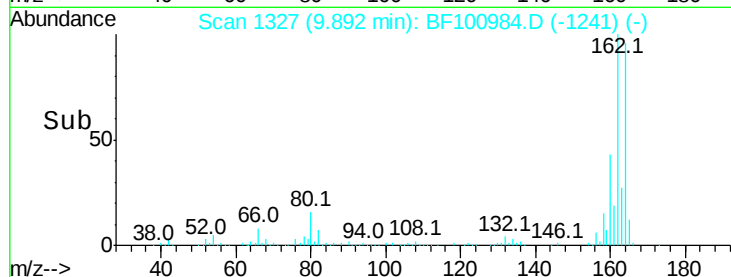
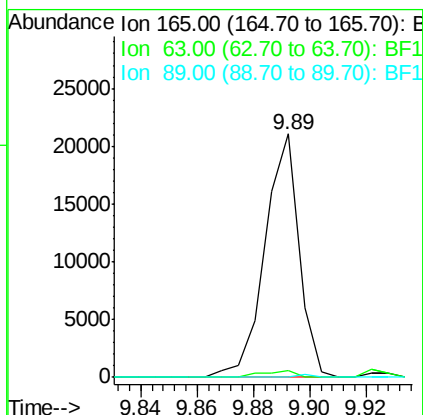
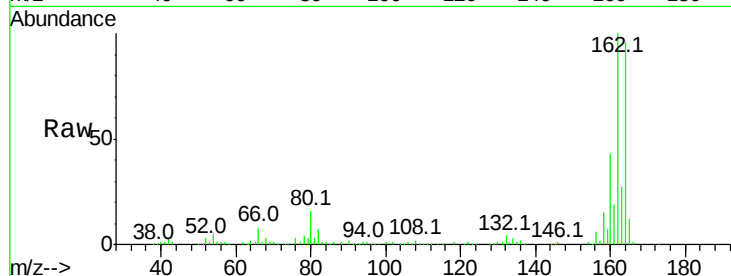




#50
 2,6-Dinitrotoluene
 Concen: 8.510 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF100984.D
 Acq: 29 Nov 2017 18:05

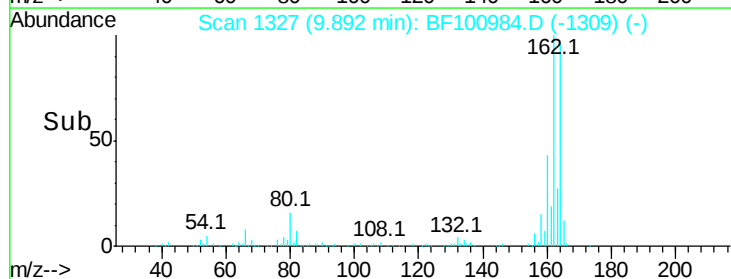
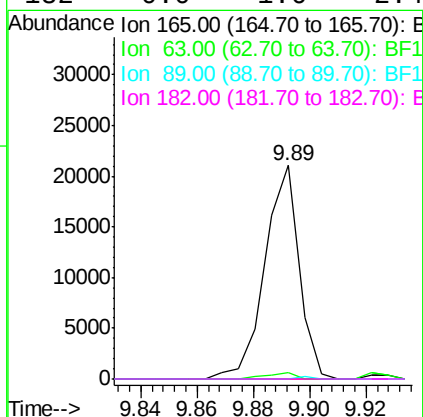
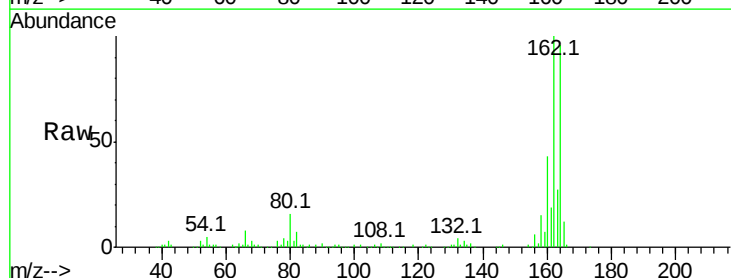
Instrument :
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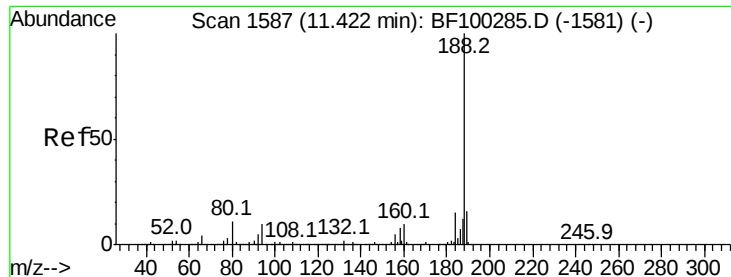
Tot Ion:165 Resp: 17714
 Ion Ratio Lower Upper
 165 100
 63 2.9 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.746 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100984.D
 Acq: 29 Nov 2017 18:05

Tgt Ion:165 Resp: 17714
 Ion Ratio Lower Upper
 165 100
 63 2.9 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

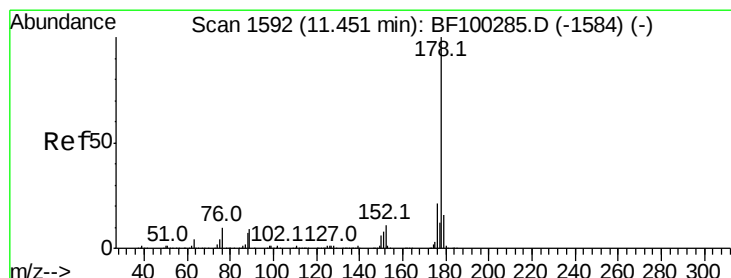
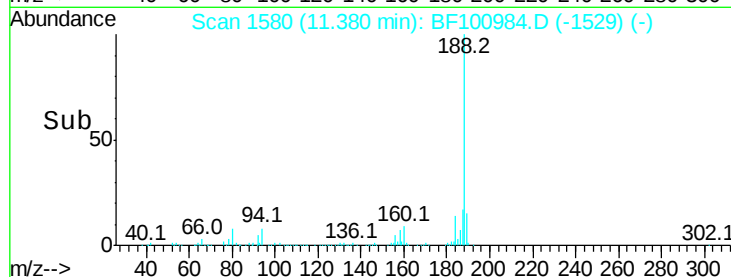
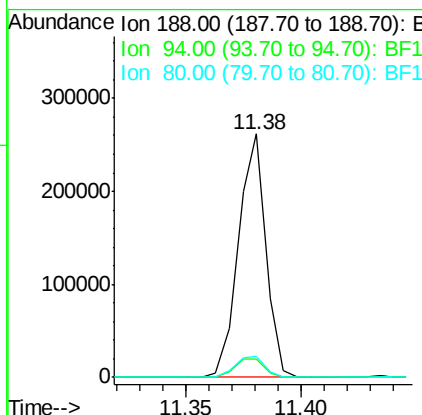
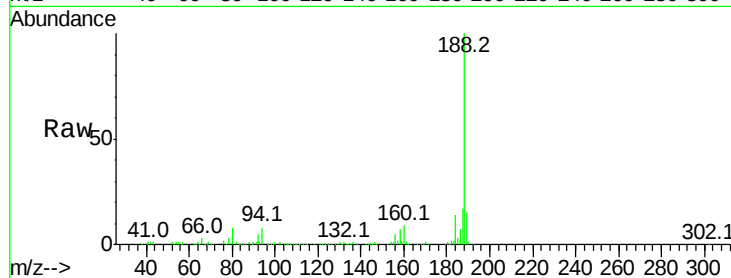




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

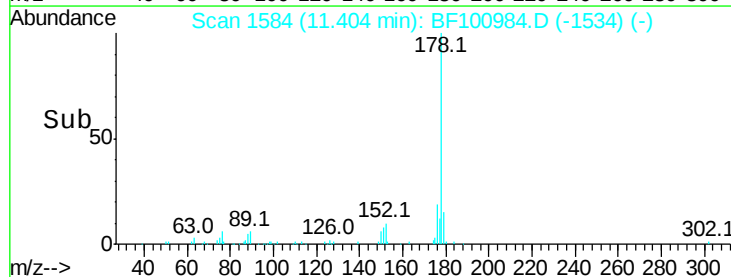
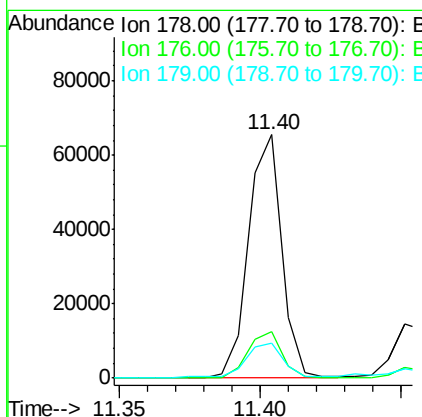
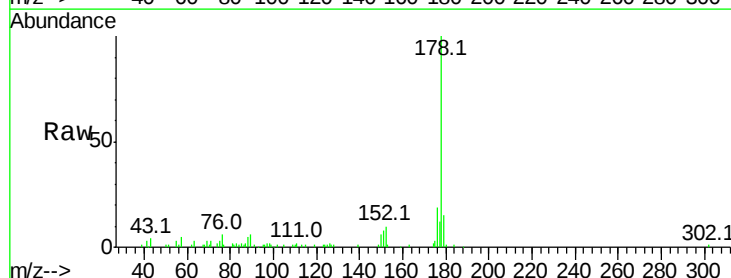
Instrument :
BNA_F
ClientSampleId :

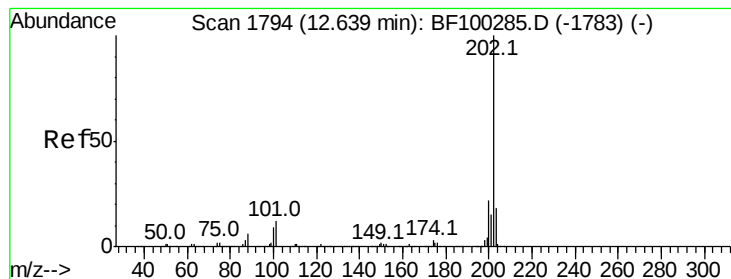
Tot Ion:188 Resp: 216009
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.4 9.2 13.8#



#70
Phenanthrene
Concen: 4.703 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Tgt Ion:178 Resp: 53493
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 14.6 13.0 19.6





#74

Fluoranthene

Concen: 5.469 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

Instrument :

BNA_F

ClientSampleId :

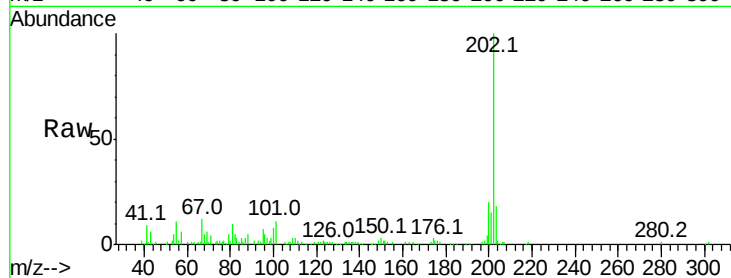
Tot Ion:202 Resp: 65918

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

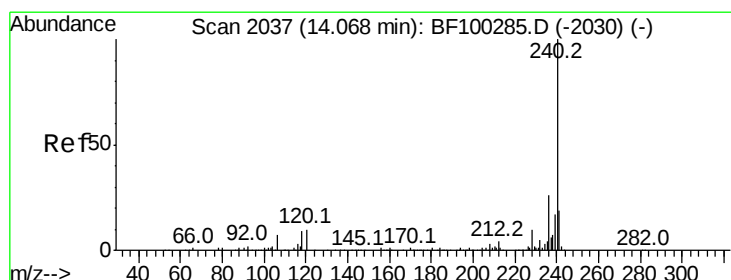
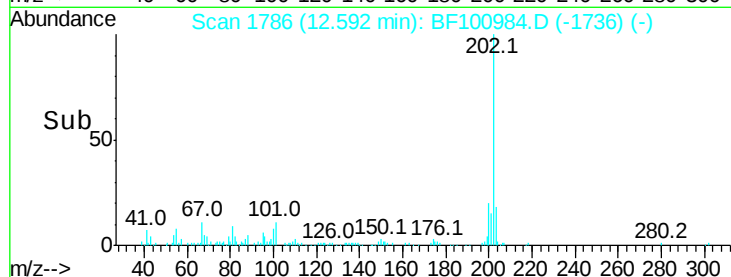
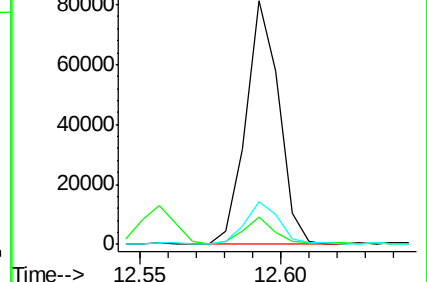
203 17.7 0.0 38.1



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: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

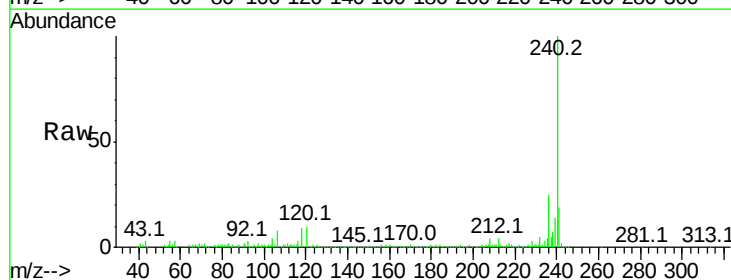
Tgt Ion:240 Resp: 168836

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

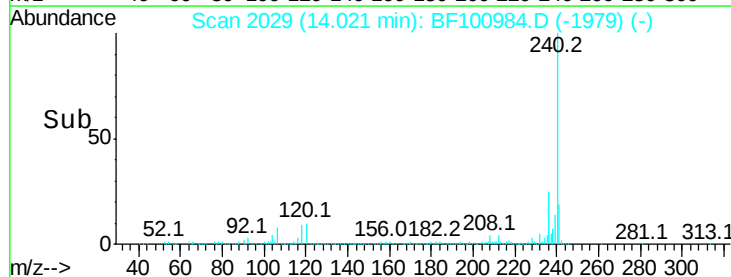
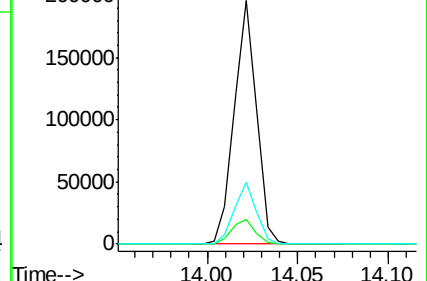
236 25.3 20.7 31.1

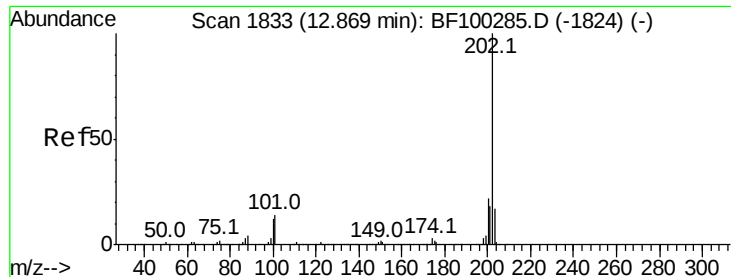


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.396 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

Instrument :

BNA_F

ClientSampleId :

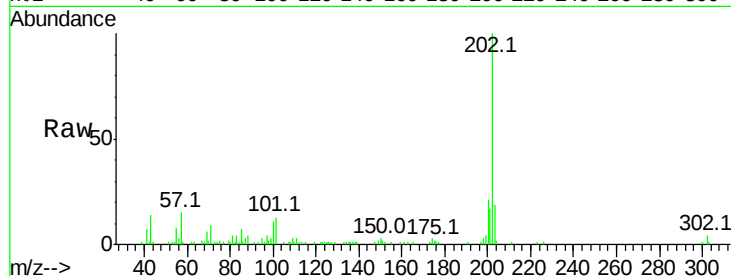
Tot Ion:202 Resp: 52909

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

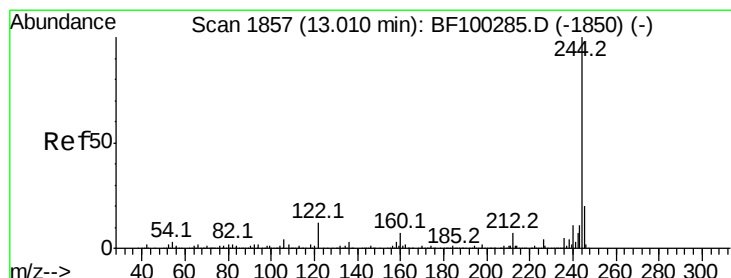
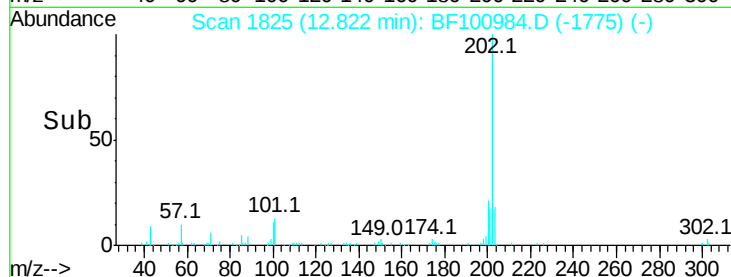
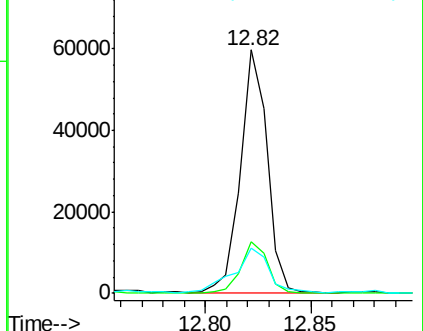
203 18.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 13.764 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

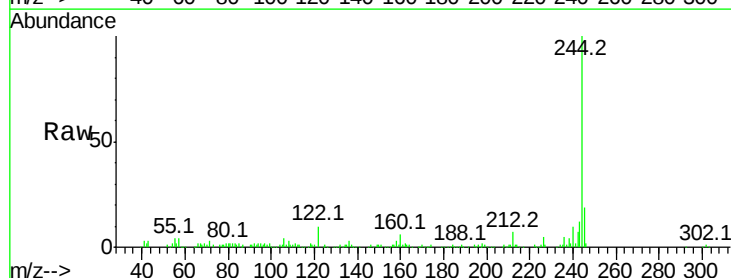
Tgt Ion:244 Resp: 101137

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

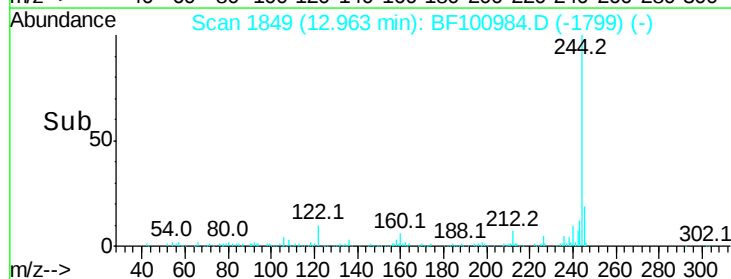
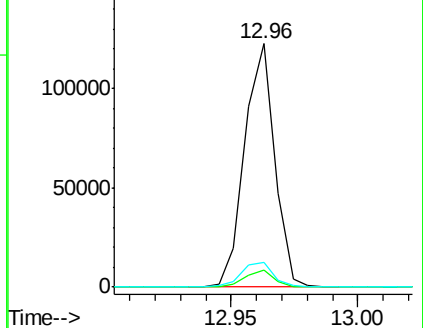
122 10.1 11.0 16.4#

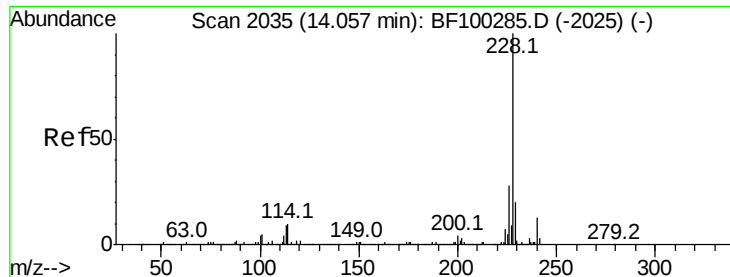


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

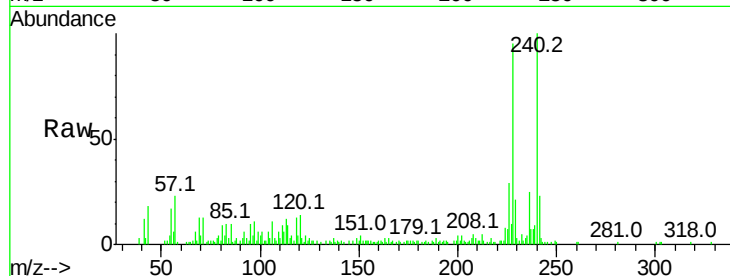




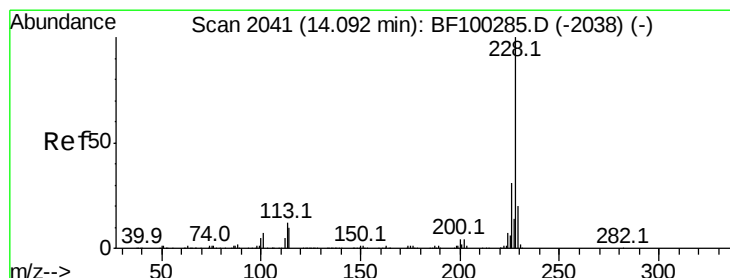
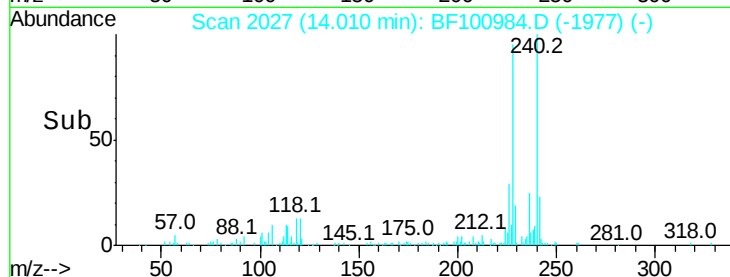
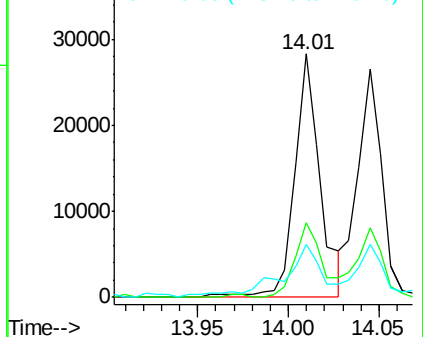
#80
Benzo(a)anthracene
Concen: 2.758 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 28043
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 21.8 15.8 23.6

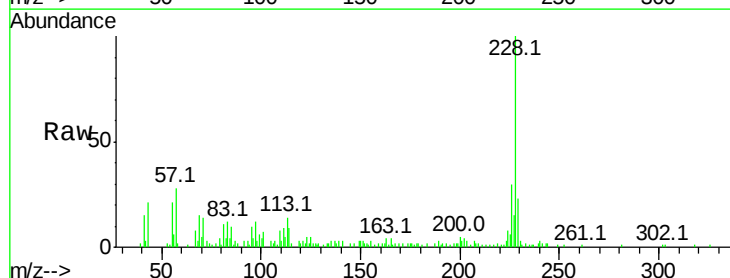


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

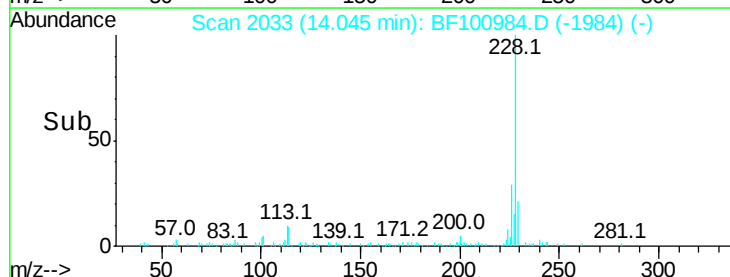
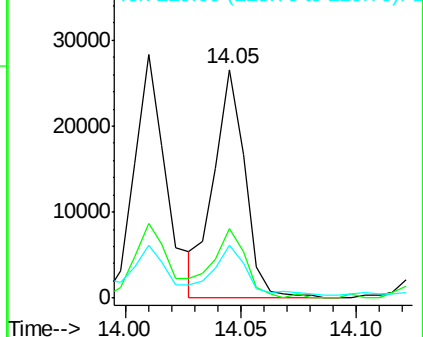


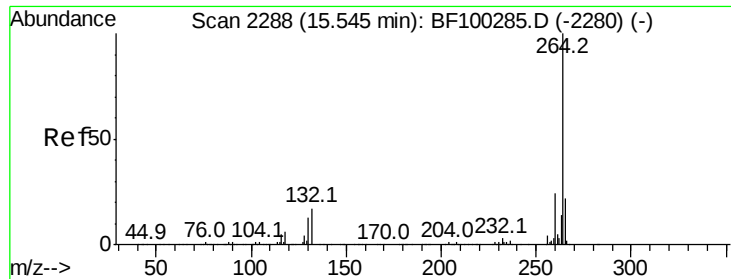
#82
Chrysene
Concen: 2.537 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Tgt Ion:228 Resp: 24976
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 23.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

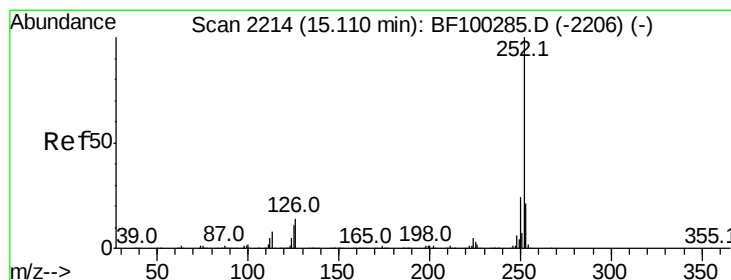
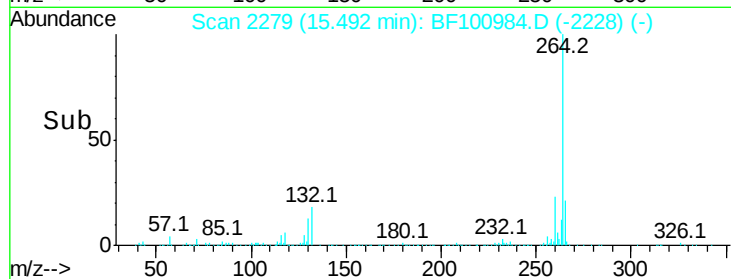
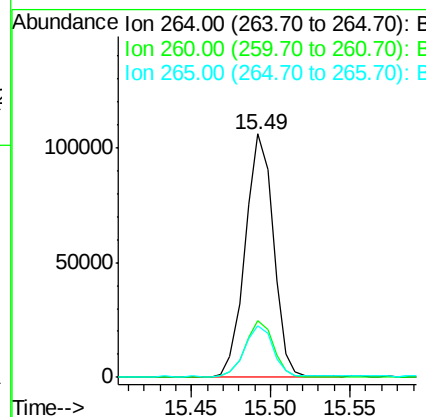
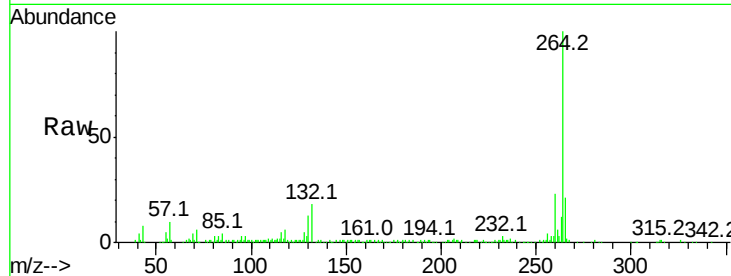




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

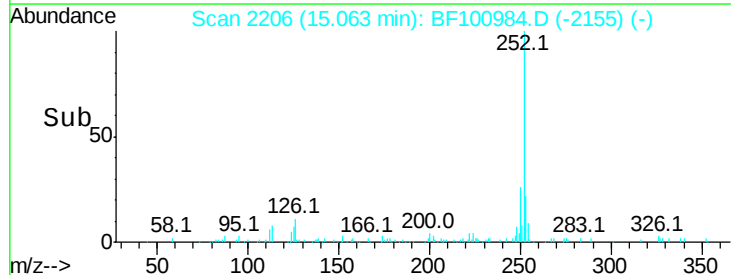
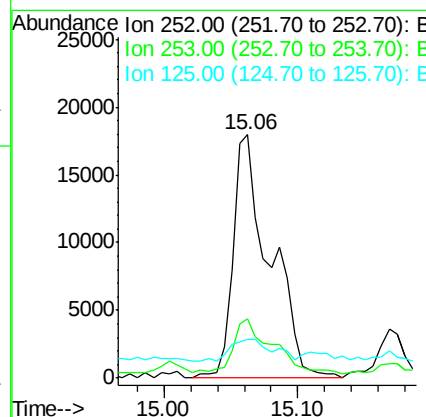
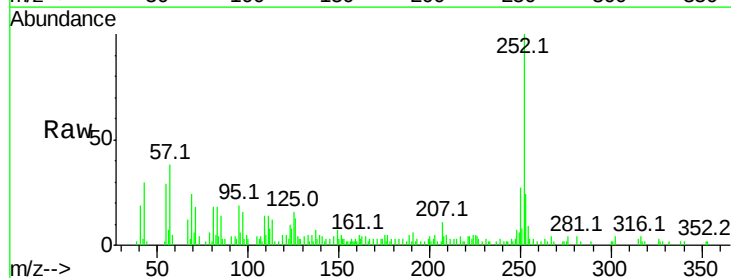
Instrument :
BNA_F
ClientSampleId :

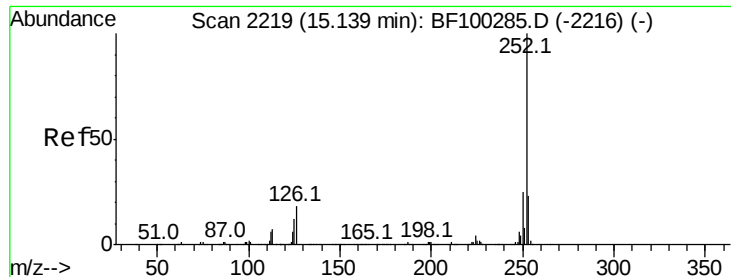
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.439 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF100984.D
Acq: 29 Nov 2017 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	16.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 4.698 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.04 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

Instrument :

BNA_F

ClientSampled :

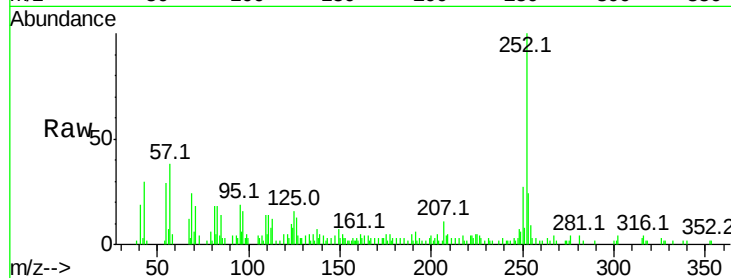
Tot Ion:252 Resp: 34636

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

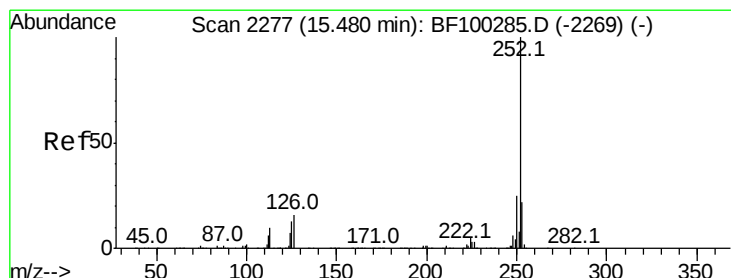
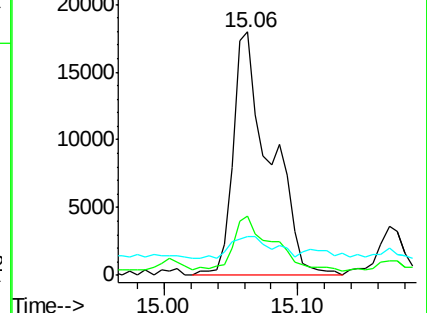
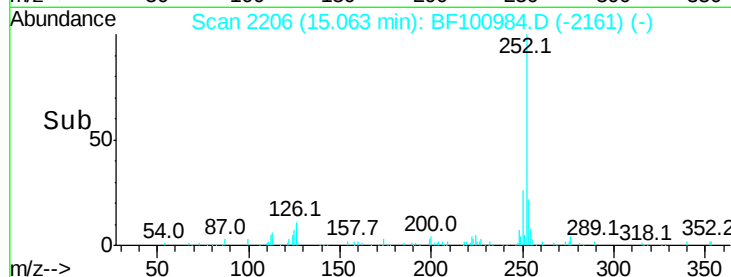
125 16.0 10.2 15.2#



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: 2.240 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF100984.D

Acq: 29 Nov 2017 18:05

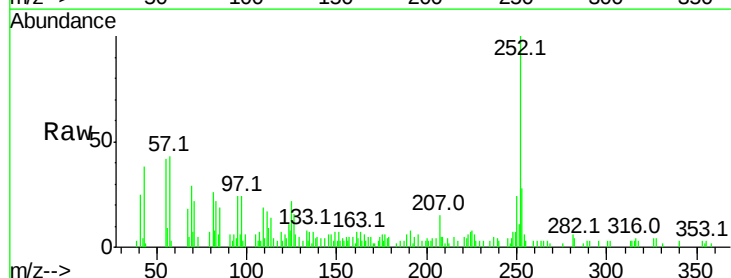
Tgt Ion:252 Resp: 15494

Ion Ratio Lower Upper

252 100

253 27.7 17.1 25.7#

125 22.4 9.8 14.6#



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

