

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101453.D
 Acq On : 15 Dec 2017 19:54
 Operator : SJ/JU
 Sample : I6679-07 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 21:46:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	161003	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	640873	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	264117	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	433608	20.00	ng	0.00
75) Chrysene-d12	13.99	240	315774	20.00	ng	0.00
86) Perylene-d12	15.47	264	282018	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	112067	10.37	ng	0.01
7) Phenol-d6	6.46	99	144117	10.71	ng	0.00
23) Nitrobenzene-d5	7.39	82	82579	7.17	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	24051	9.45	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	159114	9.35	ng	0.00
78) Terphenyl-d14	12.93	244	121039	9.24	ng	0.00

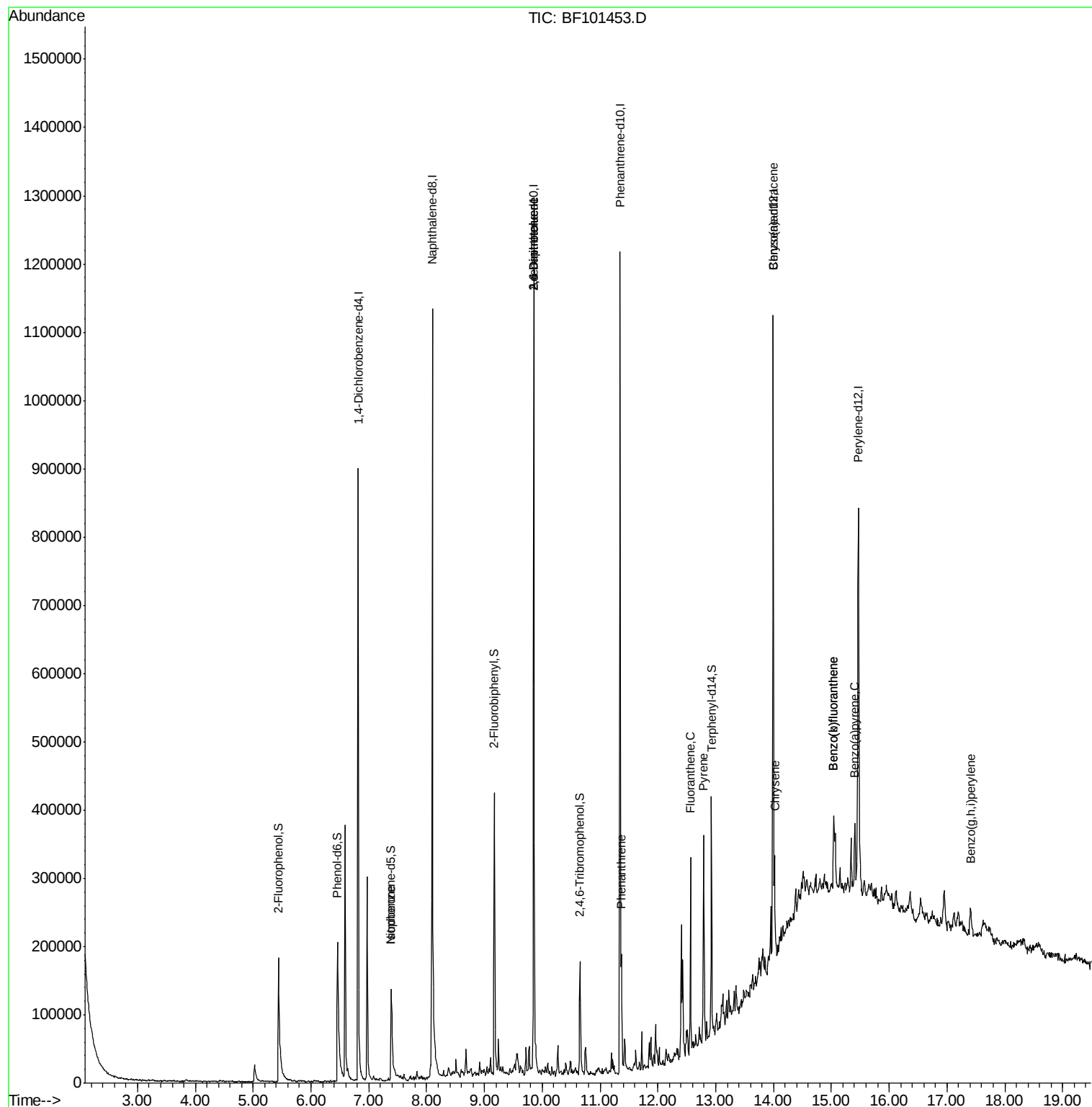
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.39	82	82579	3.576	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	34322	7.949	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	34586	7.109	ng	# 23
70) Phenanthrene	11.37	178	54769	2.271	ng	97
74) Fluoranthene	12.56	202	112421	4.442	ng	96
77) Pyrene	12.79	202	118746	5.011	ng	99
80) Benzo(a)anthracene	13.99	228	55448	2.659	ng	96
82) Chrysene	14.02	228	56262	2.858	ng	94
87) Benzo(b)fluoranthene	15.04	252	84489	4.915	ng	# 93
88) Benzo(k)fluoranthene	15.04	252	84489	5.055	ng	# 96
89) Benzo(a)pyrene	15.41	252	50003	3.155	ng	# 92
91) Benzo(a,h,i)perylene	17.41	276	30072	2.232	ng	95

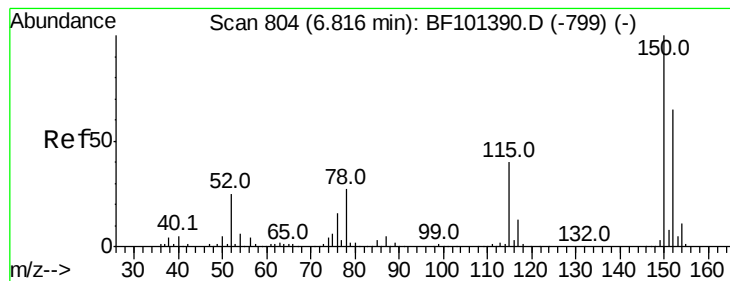
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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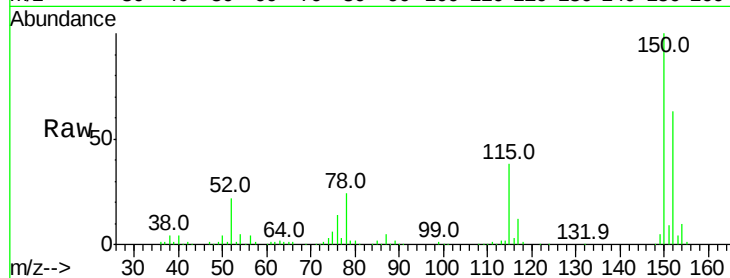


#1

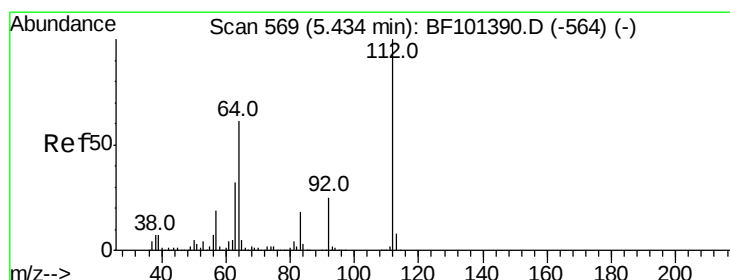
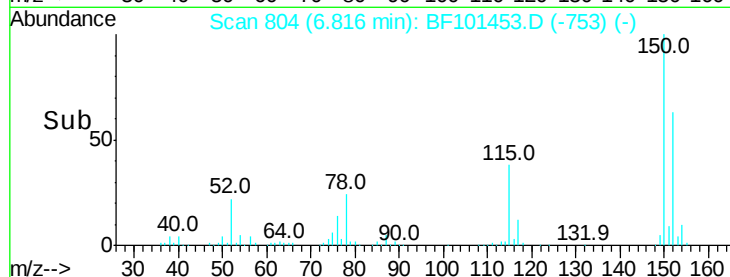
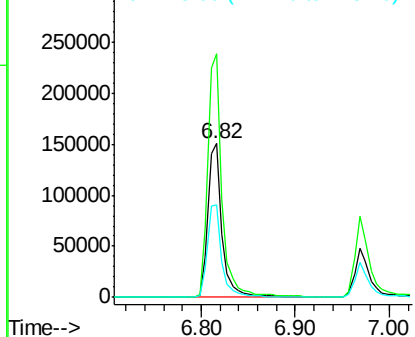
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161003
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 60.1 50.1 75.1



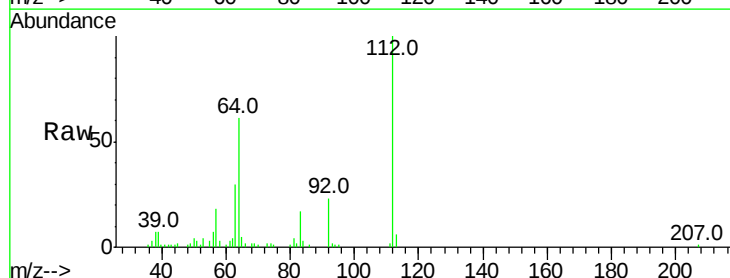
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



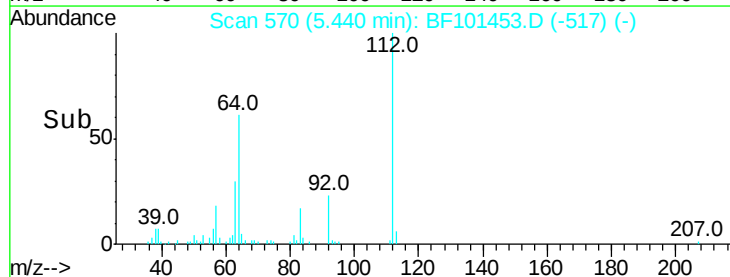
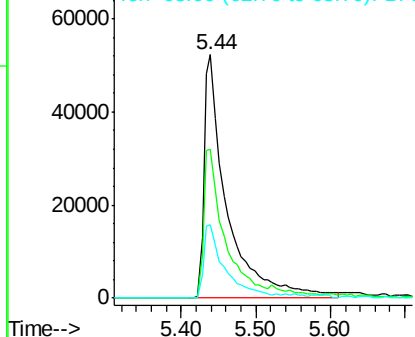
#5

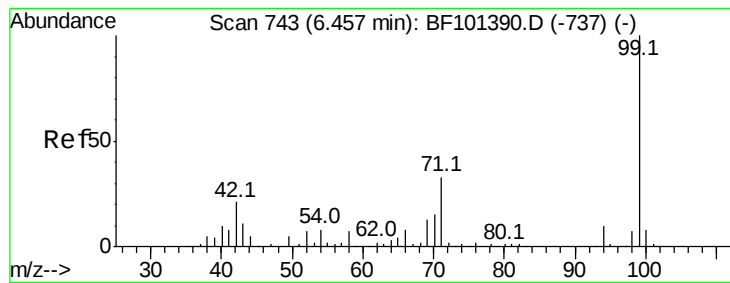
2-Fluorophenol
Concen: 10.368 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion:112 Resp: 112067
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 30.3 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: 10.714 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

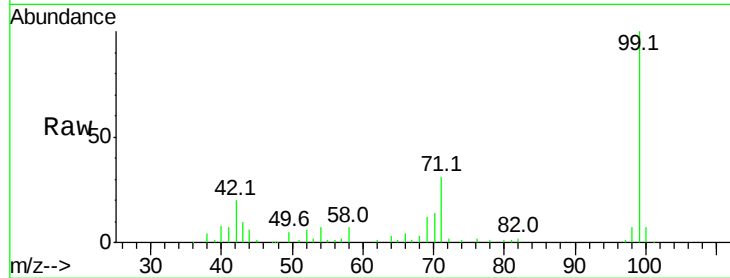
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 144117

Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	30.5	25.4	38.0

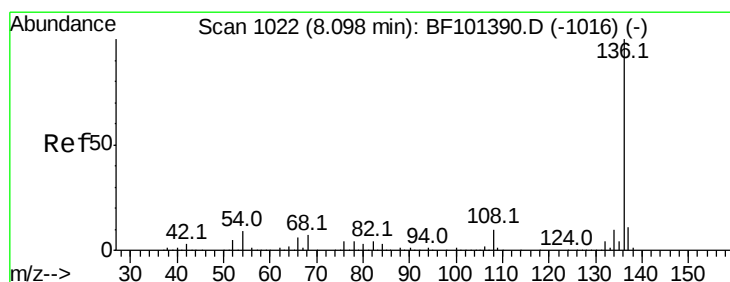
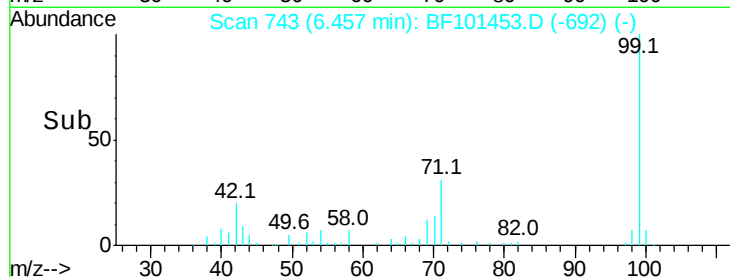
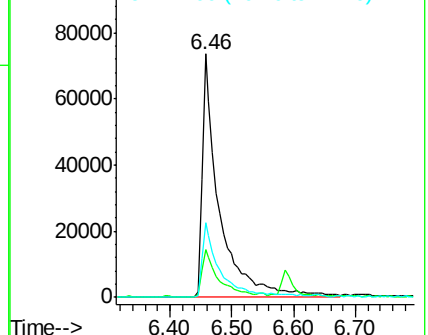


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

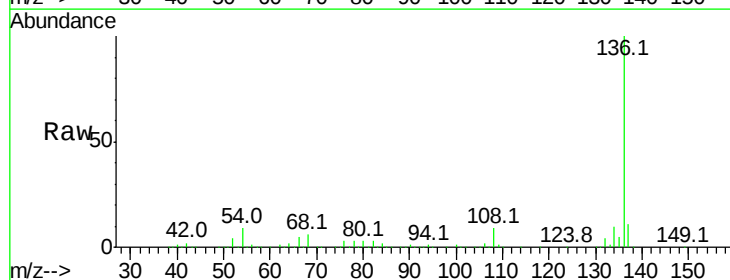
Delta R.T. 0.00 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

Tgt Ion: 136 Resp: 640873

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.6	6.6	9.8
68	6.2	5.0	7.4



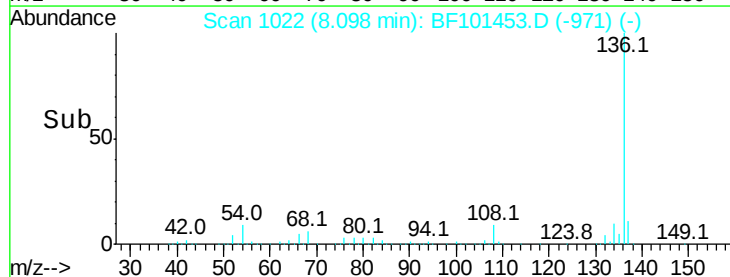
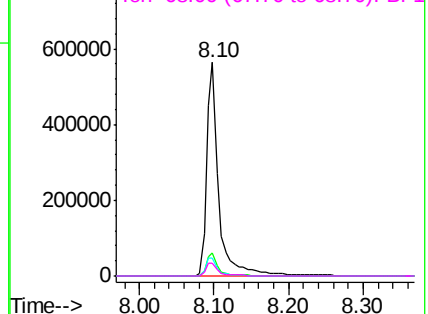
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

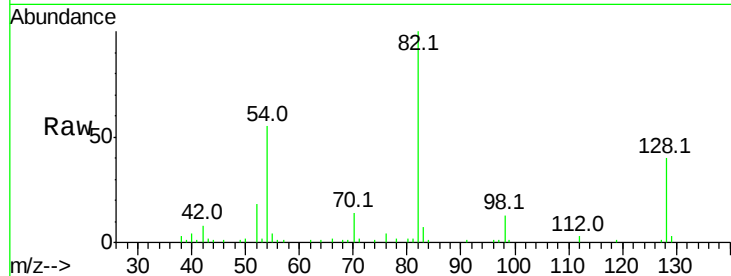




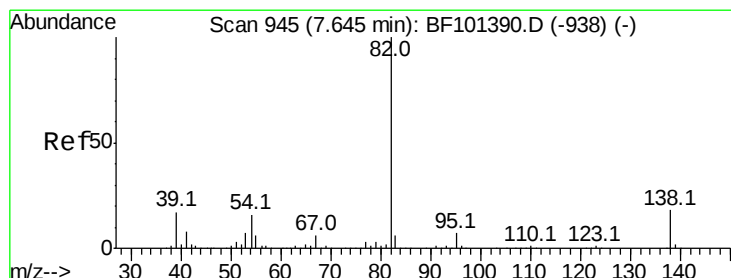
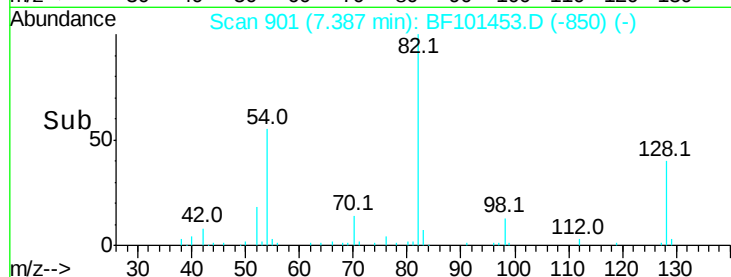
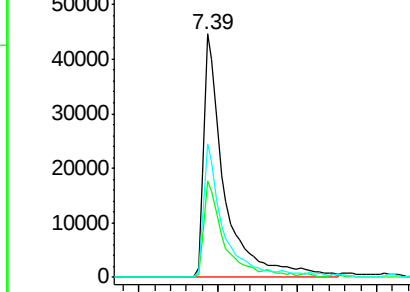
#23
 Nitrobenzene-d5
 Concen: 7.173 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	82579
Ion Ratio	Lower	Upper	
82	100		
128	39.7	36.1	54.1
54	55.1	41.4	62.2

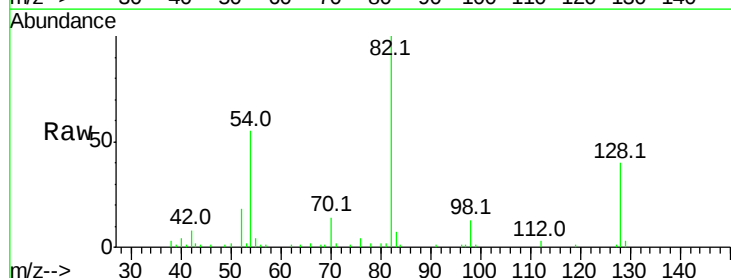


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

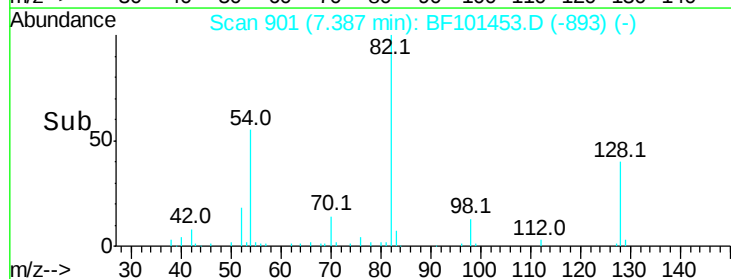
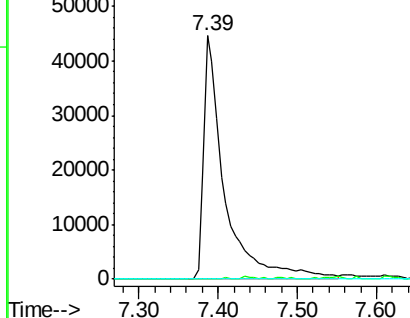


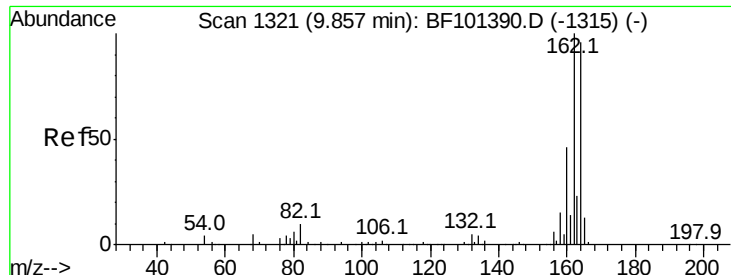
#25
 Isophorone
 Concen: 3.576 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.25 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Tgt Ion	82	Resp	82579
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

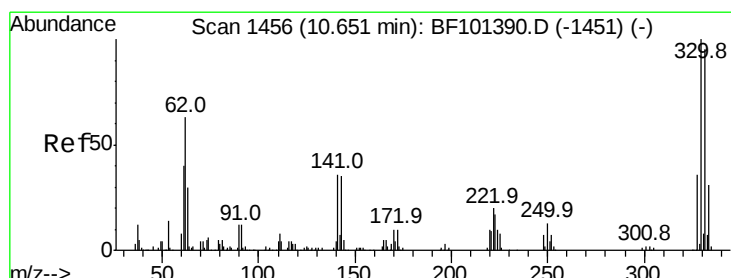
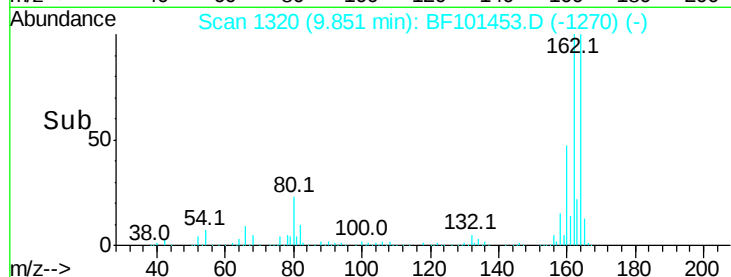
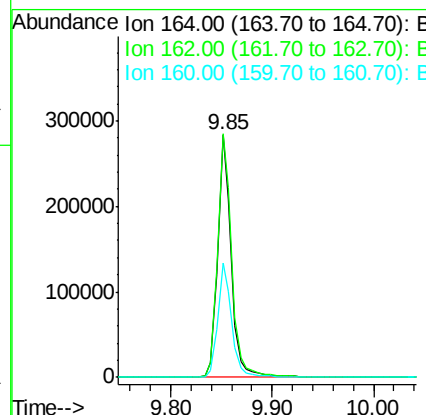
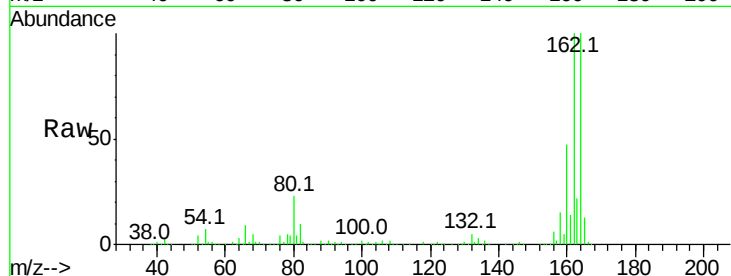




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

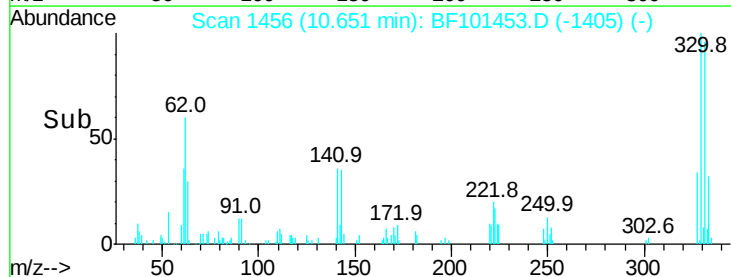
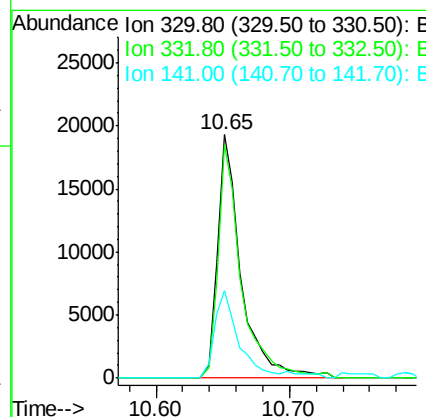
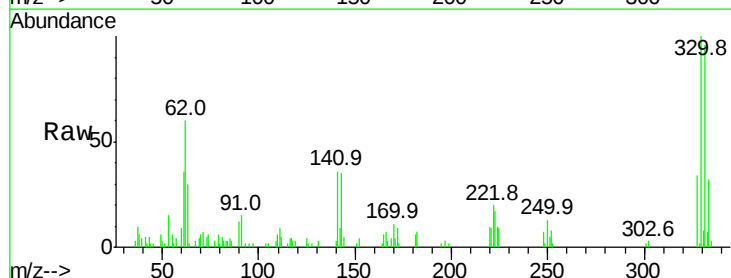
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	86.1	129.1
160	47.0	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 9.450 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	36.1	29.9	44.9

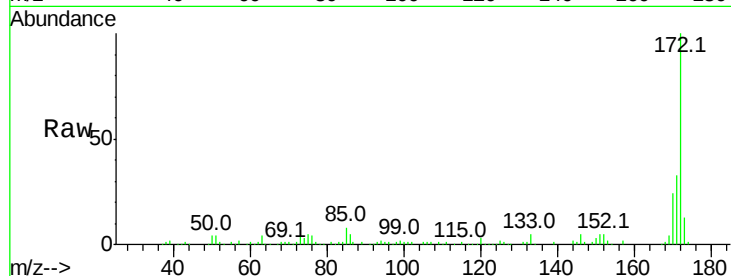




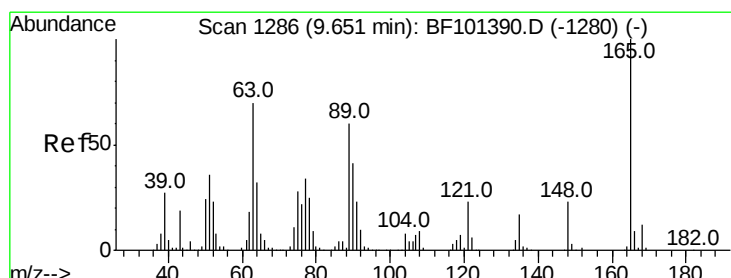
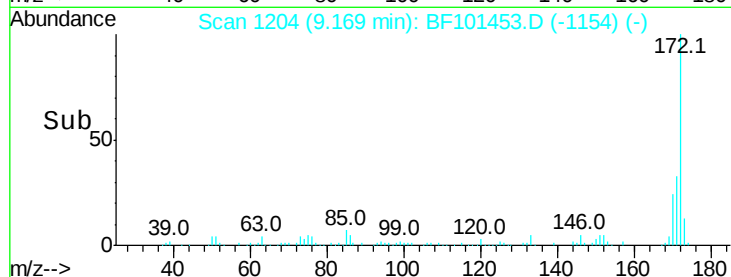
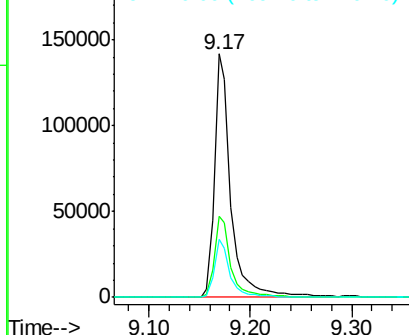
#44
 2-Fluorobiphenyl
 Concen: 9.345 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 159114
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.7 44.5
 170 23.7 19.6 29.4

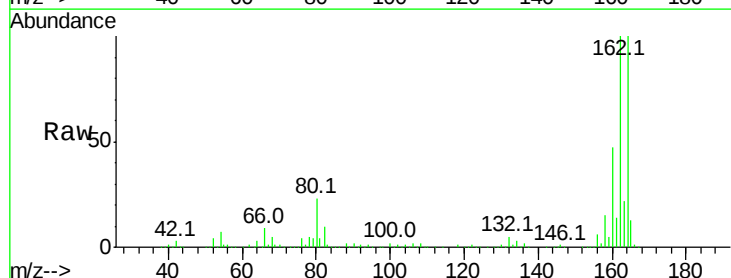


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

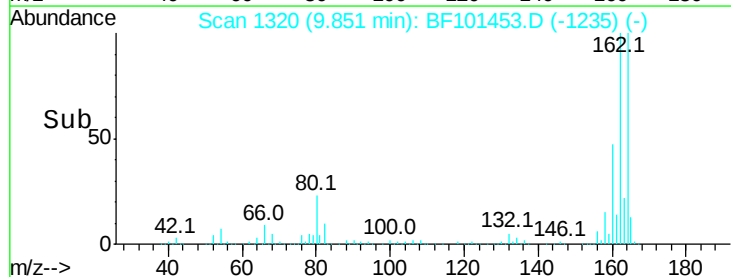
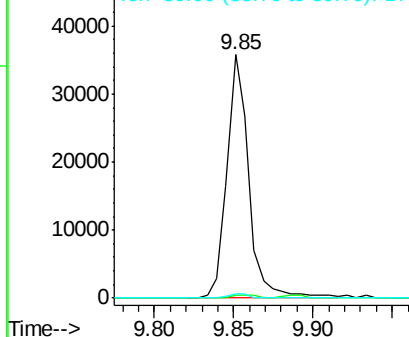


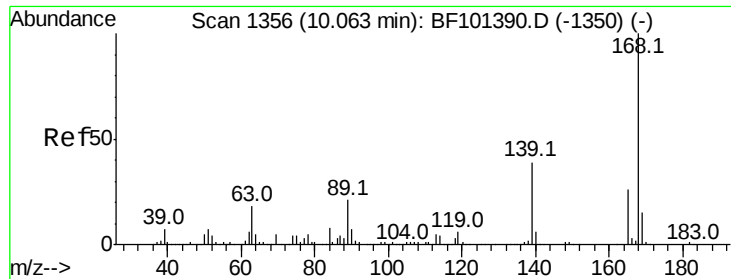
#50
 2,6-Dinitrotoluene
 Concen: 7.949 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Tgt Ion:165 Resp: 34322
 Ion Ratio Lower Upper
 165 100
 63 1.3 44.7 67.1#
 89 1.6 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

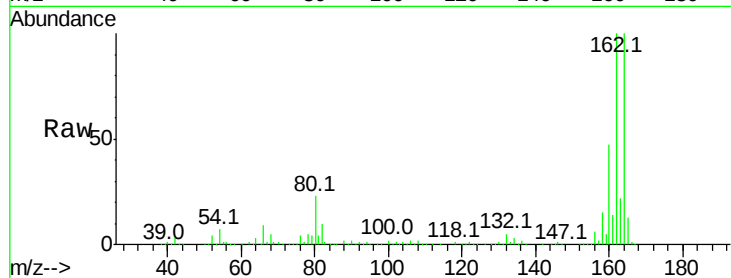




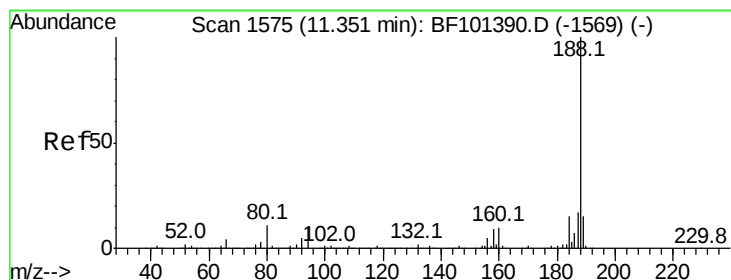
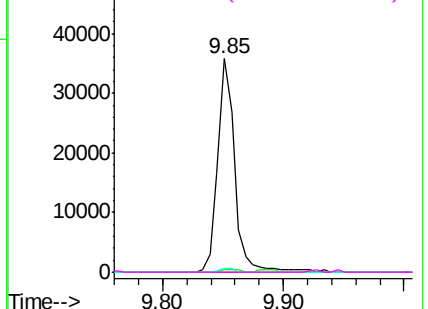
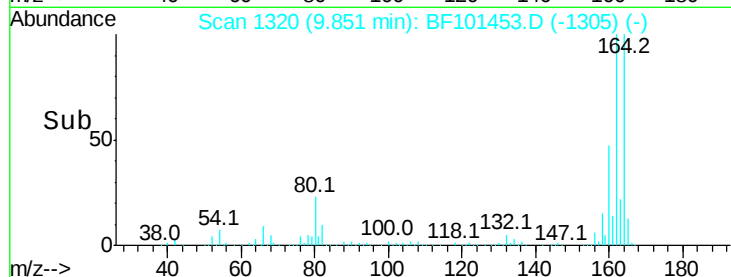
#56
2,4-Dinitrotoluene
Concen: 7.109 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.21 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 34586
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

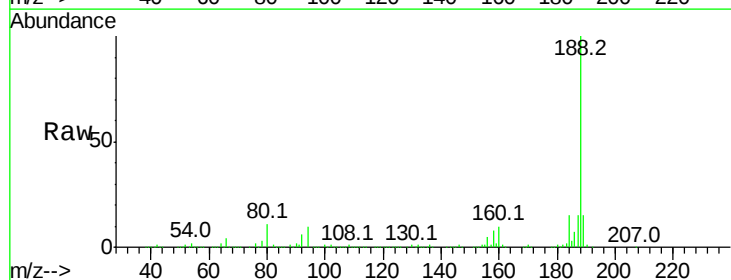


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

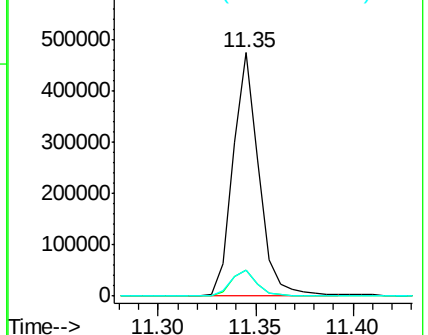
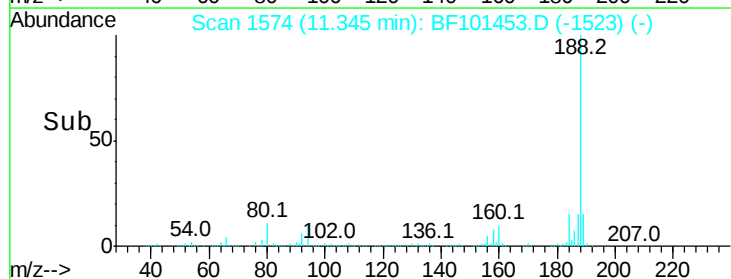


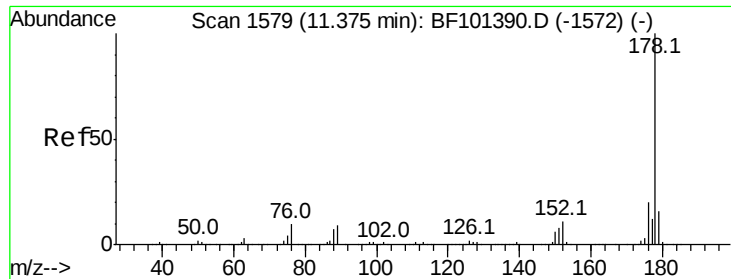
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion:188 Resp: 433608
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.9 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

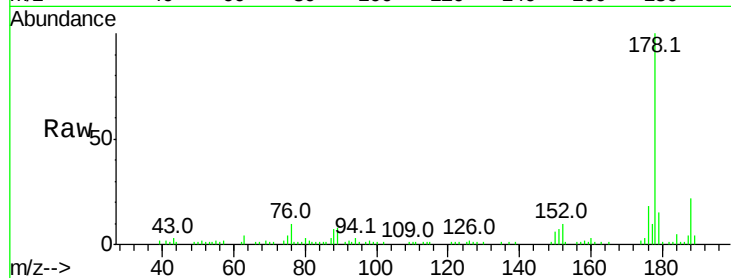




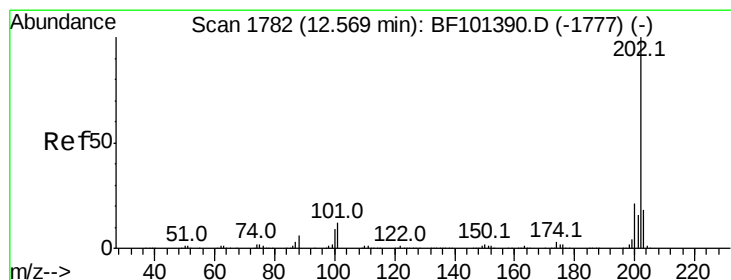
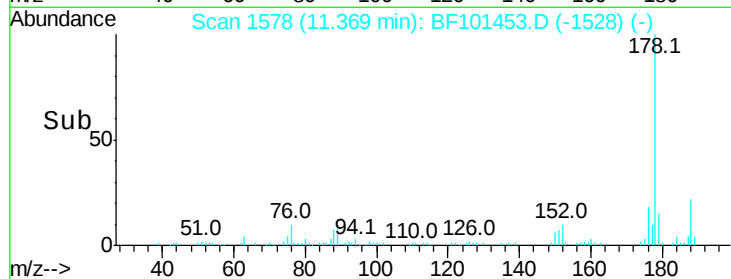
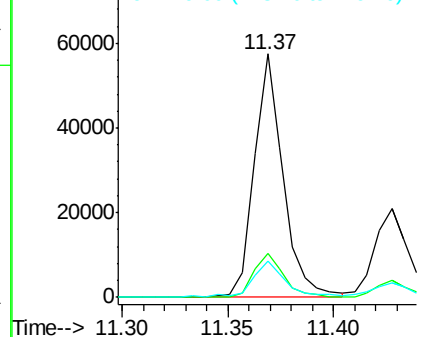
#70
Phenanthrene
Concen: 2.271 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 54769
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 14.8 13.0 19.6

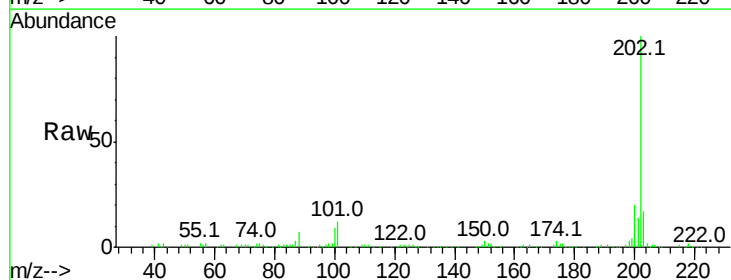


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

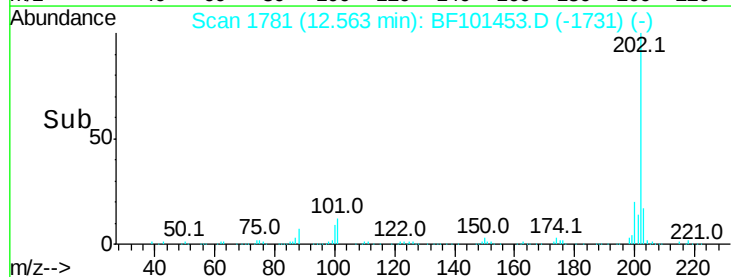
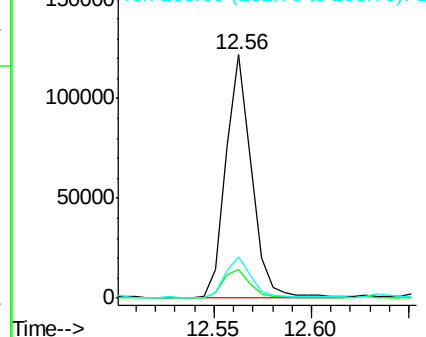


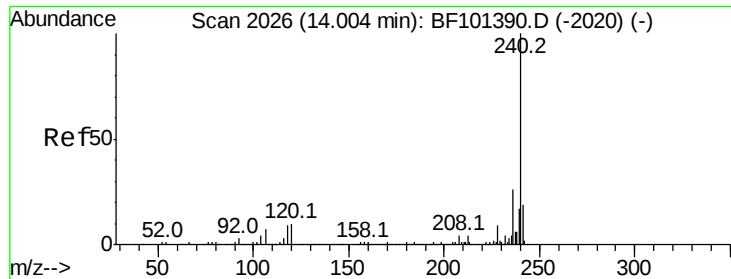
#74
Fluoranthene
Concen: 4.442 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion:202 Resp: 112421
Ion Ratio Lower Upper
202 100
101 11.6 0.0 34.1
203 16.8 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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

Instrument :

BNA_F

ClientSampleId :

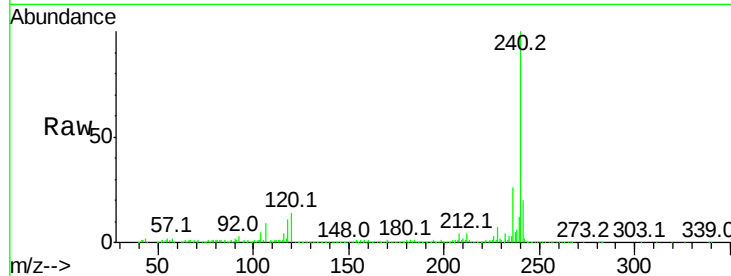
Tot Ion:240 Resp: 315774

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

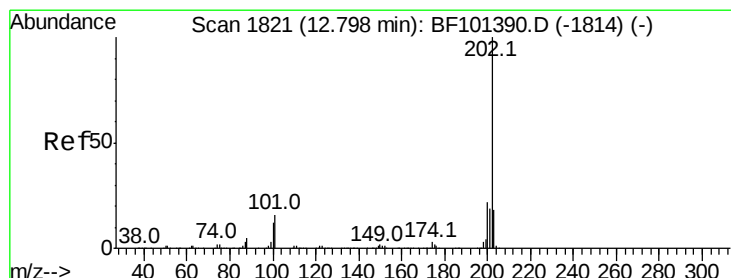
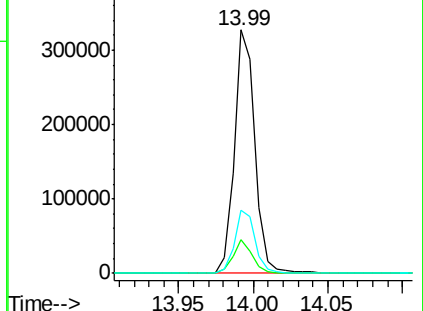
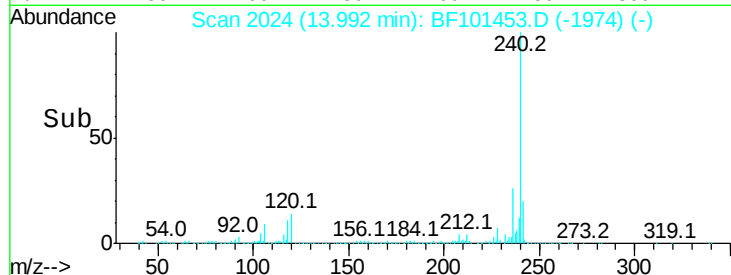
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 5.011 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

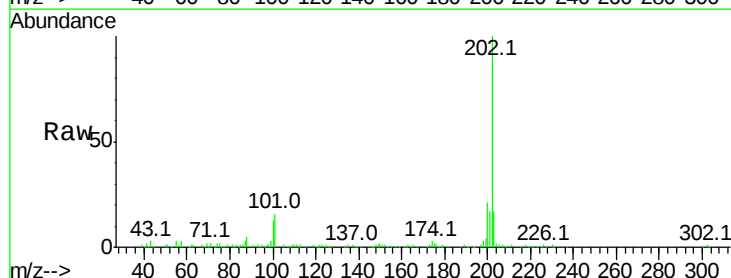
Tgt Ion:202 Resp: 118746

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

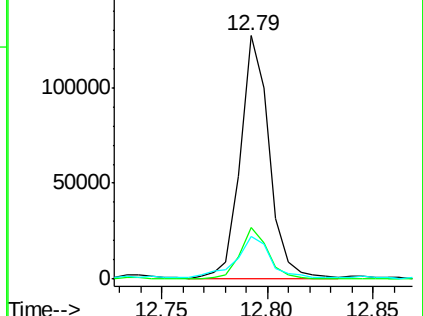
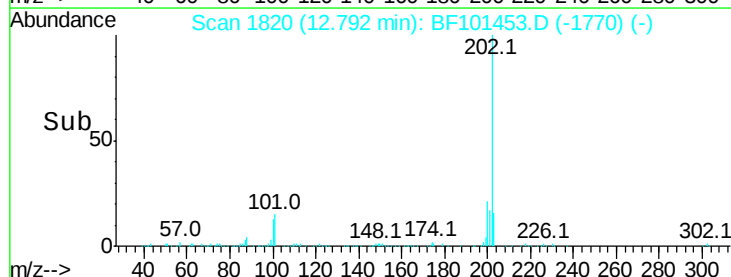
203 17.4 14.3 21.5

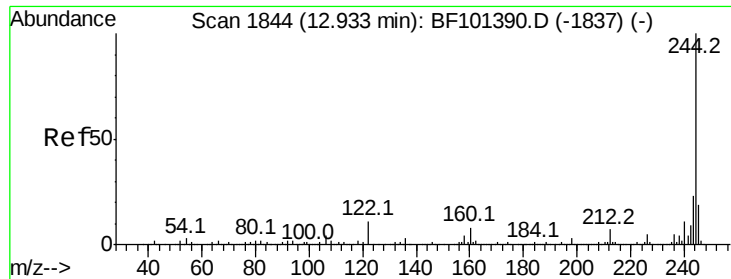


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.241 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

Instrument :

BNA_F

ClientSampleId :

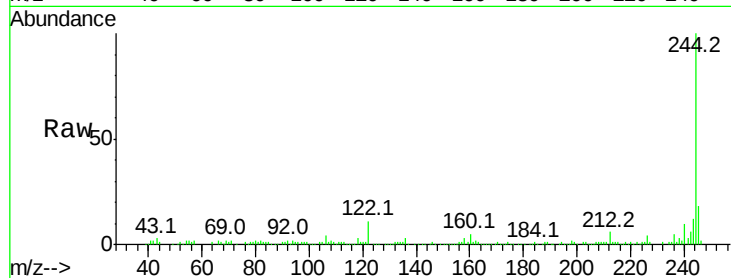
Tot Ion:244 Resp: 121039

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

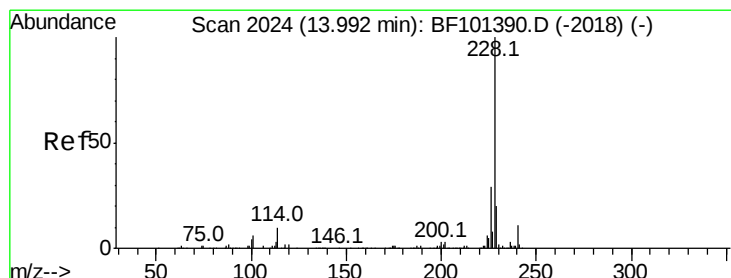
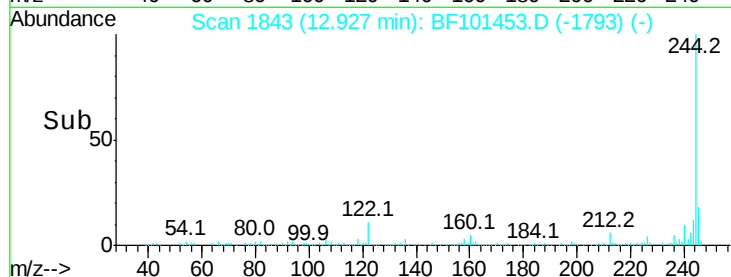
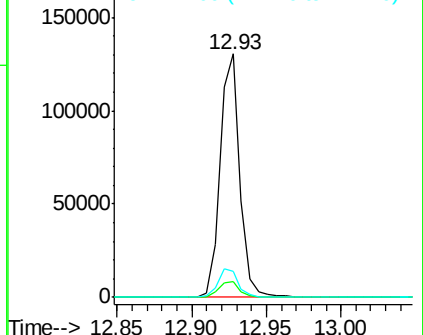
122 10.9 11.0 16.4#



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: 2.659 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

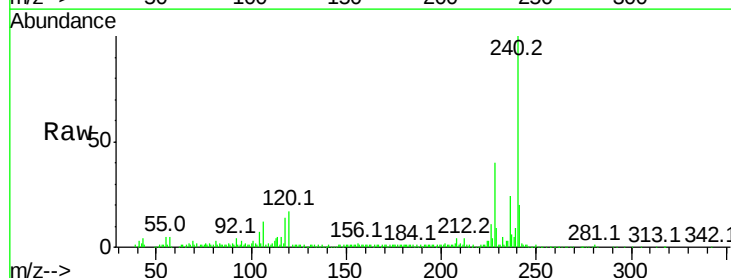
Tgt Ion:228 Resp: 55448

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

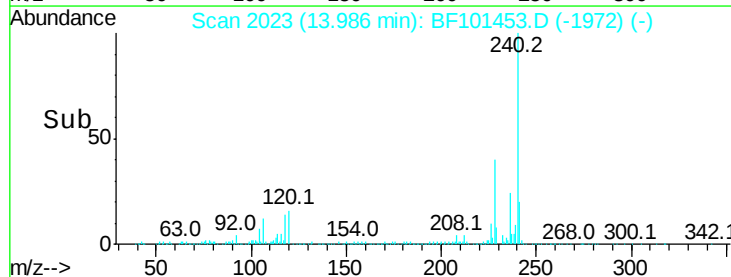
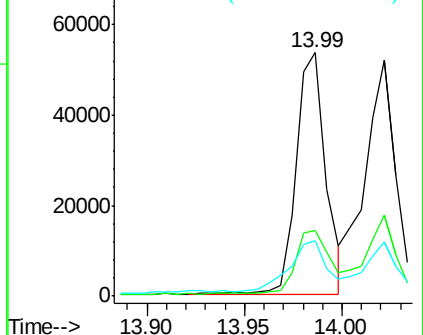
229 22.6 15.8 23.6

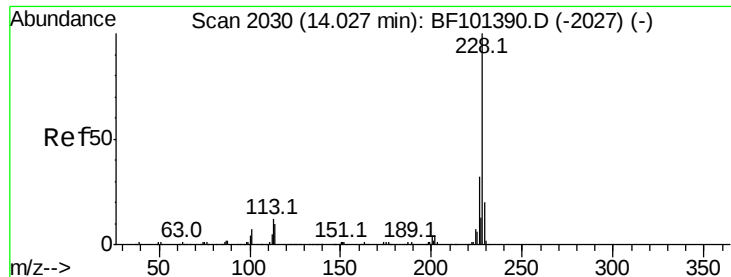


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

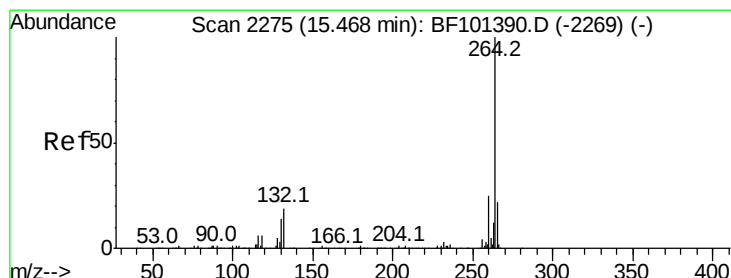
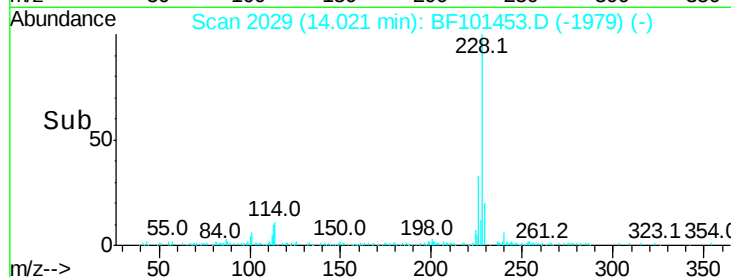
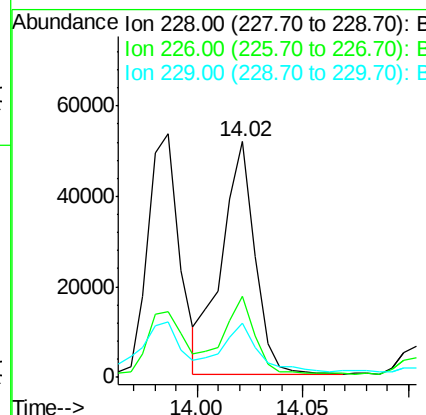
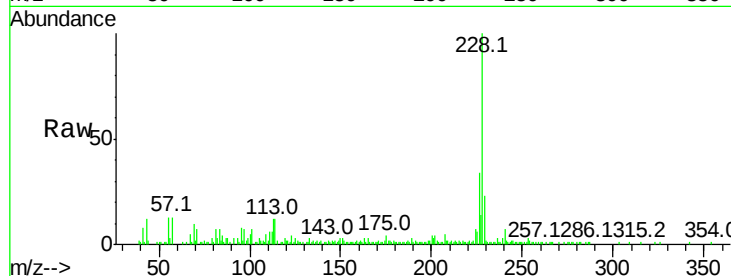




#82
Chrysene
Concen: 2.858 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

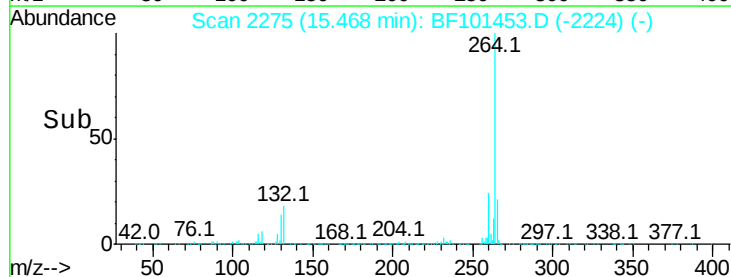
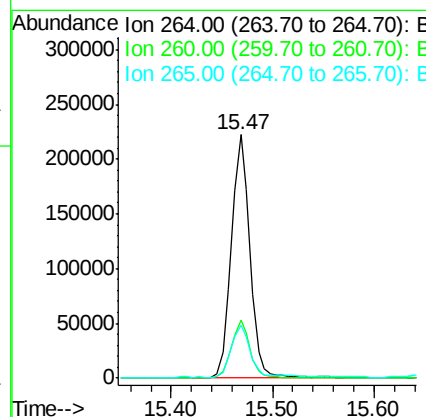
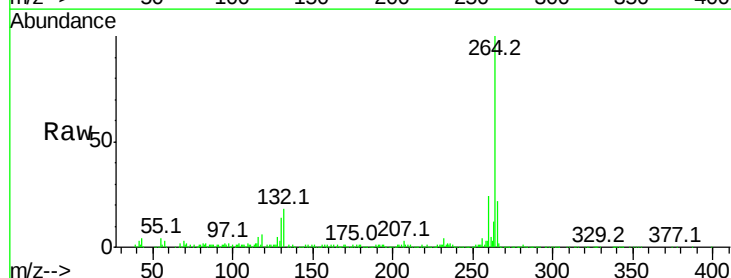
Instrument :
BNA_F
ClientSampleId :

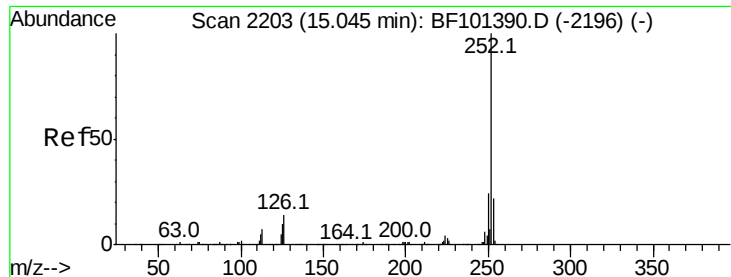
Tot Ion:228 Resp: 56262
Ion Ratio Lower Upper
228 100
226 34.2 25.0 37.6
229 23.1 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion:264 Resp: 282018
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.6 17.5 26.3

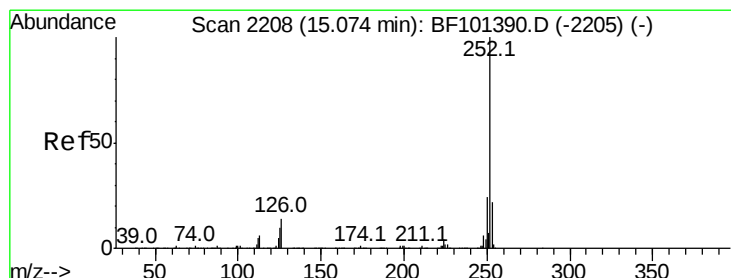
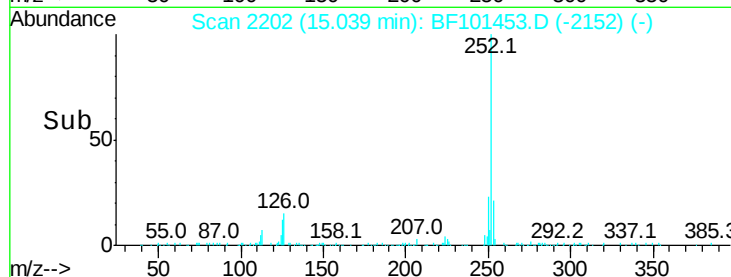
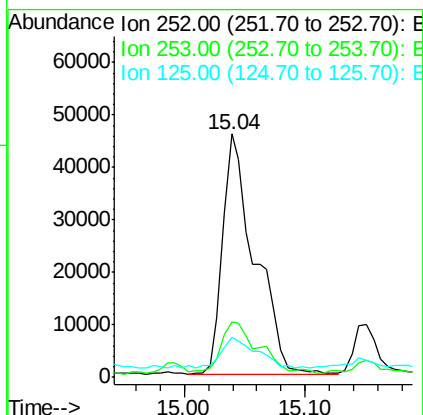
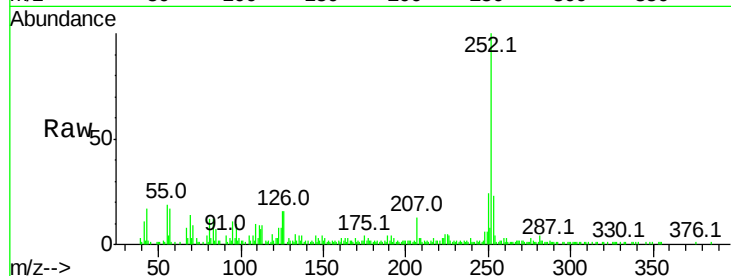




#87
Benzo(b)fluoranthene
Concen: 4.915 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

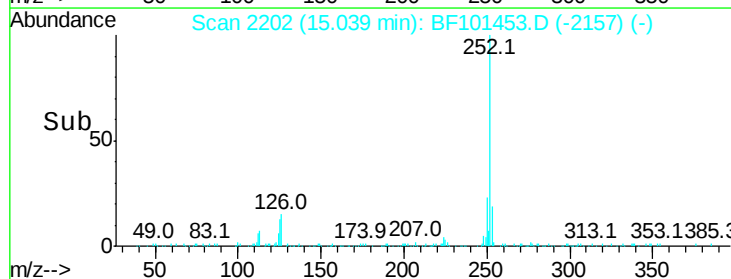
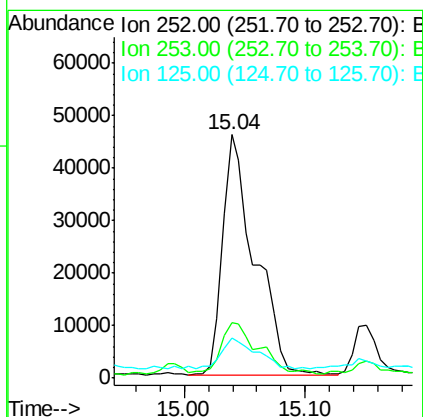
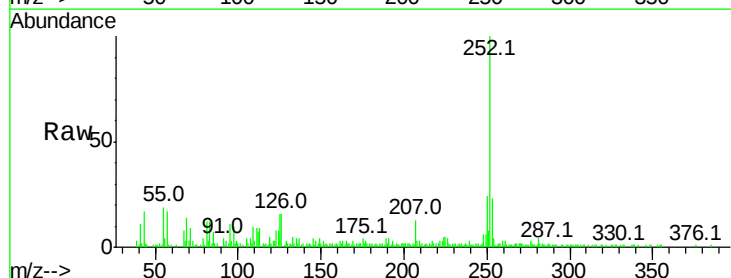
Instrument :
BNA_F
ClientSampleId :

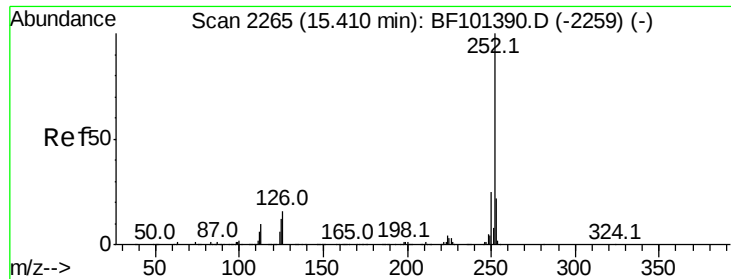
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	16.3	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 5.055 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.3	10.2	15.2

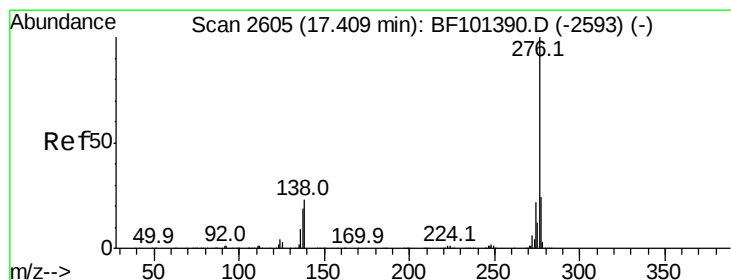
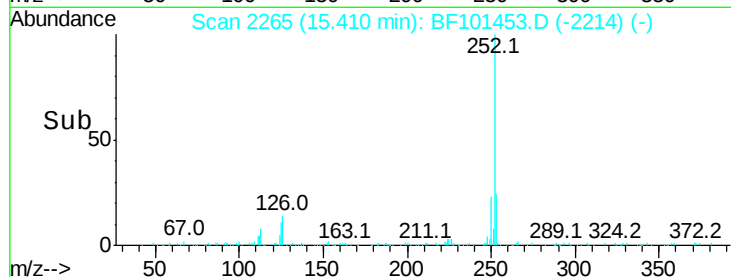
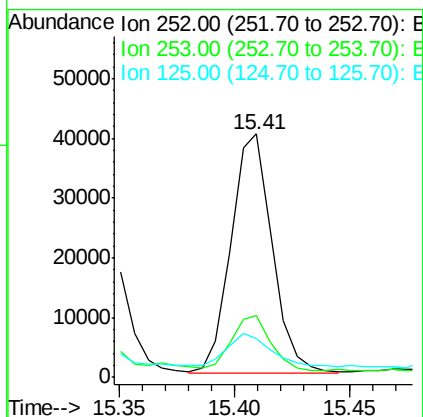
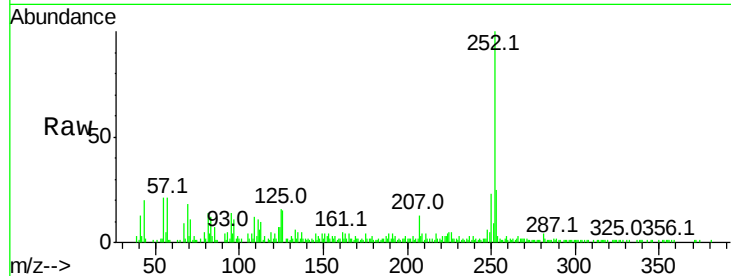




#89
Benzo(a)pyrene
Concen: 3.155 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 50003
Ion Ratio Lower Upper
252 100
253 25.3 17.1 25.7
125 15.7 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.232 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion:276 Resp: 30072
Ion Ratio Lower Upper
276 100
277 26.3 17.9 26.9
138 26.2 21.8 32.8

