

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101333.D
 Acq On : 12 Dec 2017 16:49
 Operator : SJ/JU
 Sample : I6868-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:35:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	46643	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	179323	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	77182	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	130350	20.00	ng	0.00
75) Chrysene-d12	14.00	240	102488	20.00	ng	0.00
86) Perylene-d12	15.48	264	85352	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	55012	19.49	ng	0.00
7) Phenol-d6	6.46	99	66081	19.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	39027	12.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	14497	15.64	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	89122	15.80	ng	-0.01
78) Terphenyl-d14	12.93	244	69963	14.93	ng	0.00

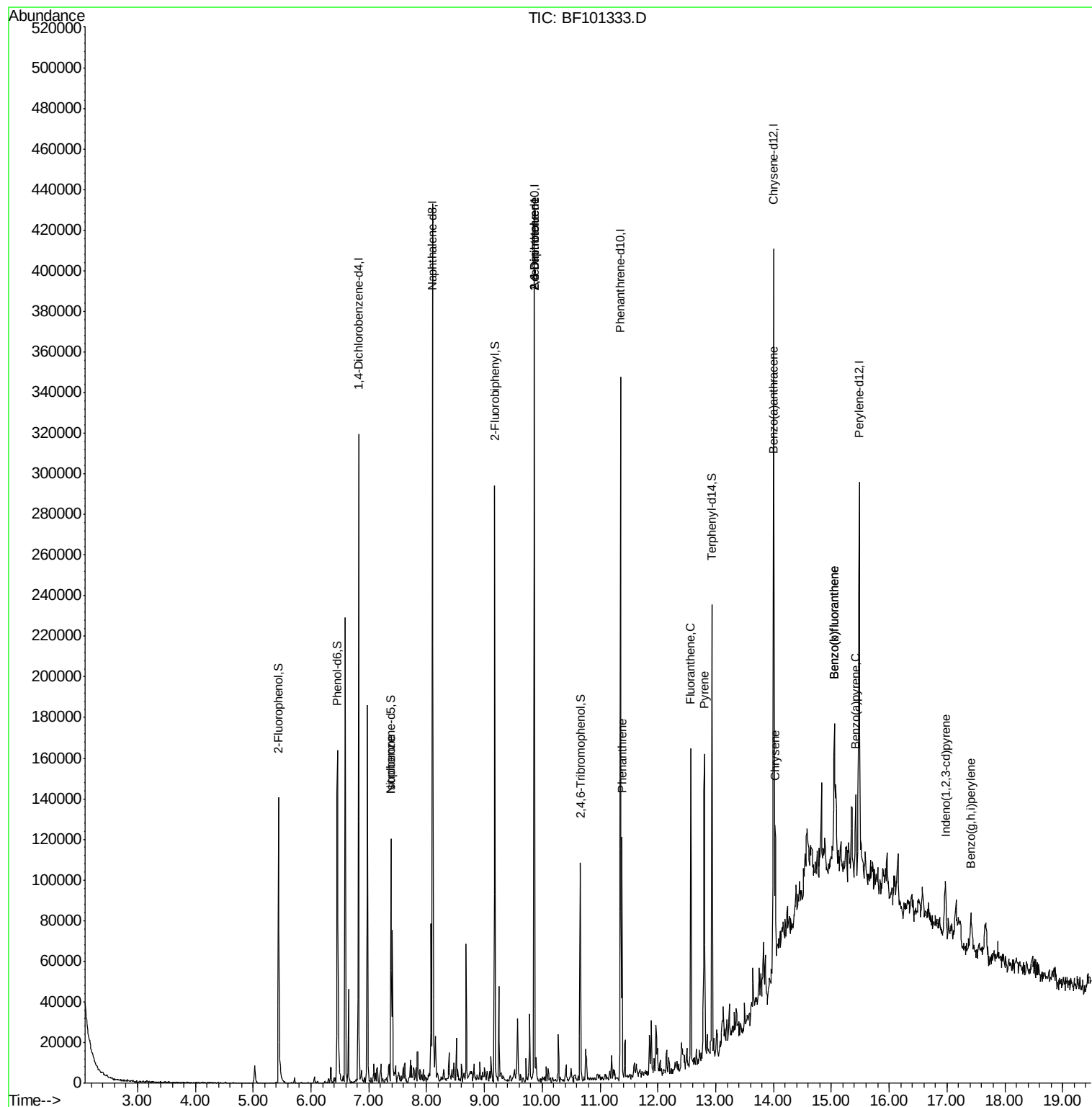
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.39	82	39027	7.601	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	10222	7.797	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	10222	5.818	ng	# 21
70) Phenanthrene	11.37	178	44743	6.233	ng	98
74) Fluoranthene	12.57	202	65967	8.290	ng	93
77) Pyrene	12.80	202	61152	8.647	ng	98
80) Benzo(a)anthracene	13.99	228	30012	4.638	ng	96
82) Chrysene	14.03	228	28399	4.726	ng	95
85) Indeno(1,2,3-cd)pyrene	16.97	276	12402	2.321	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	41738	8.164	ng	94
88) Benzo(k)fluoranthene	15.05	252	41738	8.287	ng	97
89) Benzo(a)pyrene	15.42	252	21660	4.660	ng	# 92
91) Benzo(a,h,i)perylene	17.42	276	12297	3.185	ng	# 85

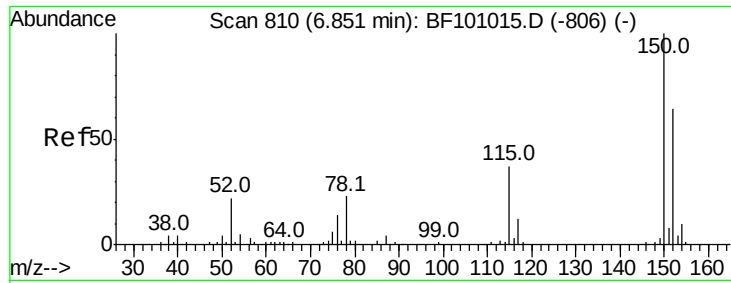
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101333.D
Acq On : 12 Dec 2017 16:49
Operator : SJ/JU
Sample : I6868-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 13 00:35:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration



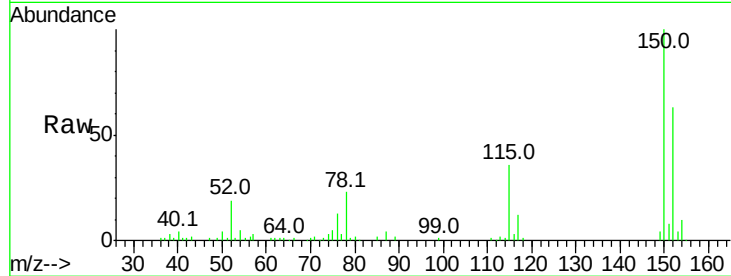


#1

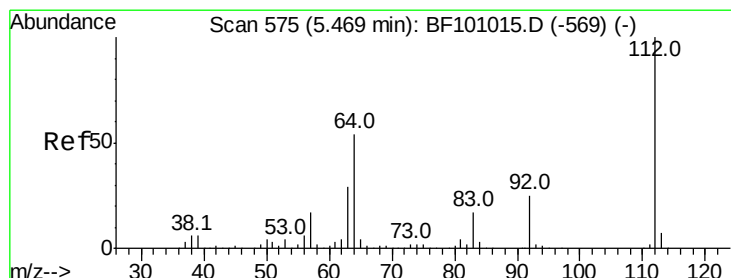
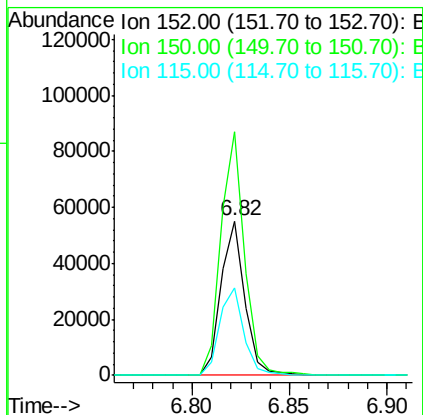
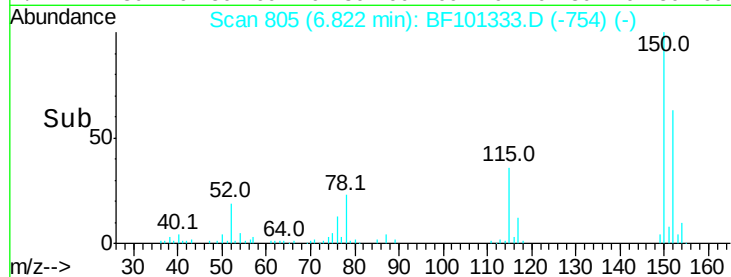
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46643
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 56.7 50.1 75.1



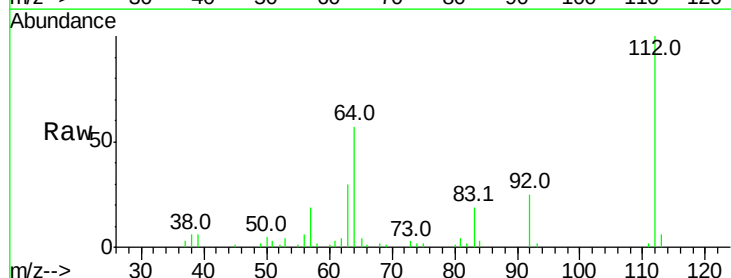
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



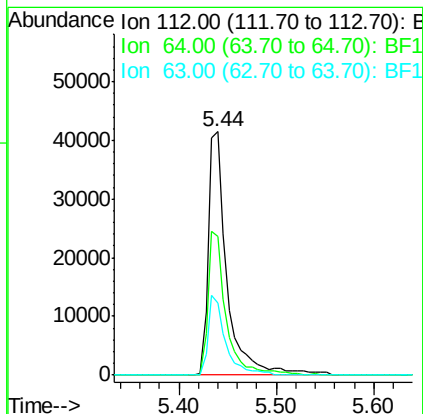
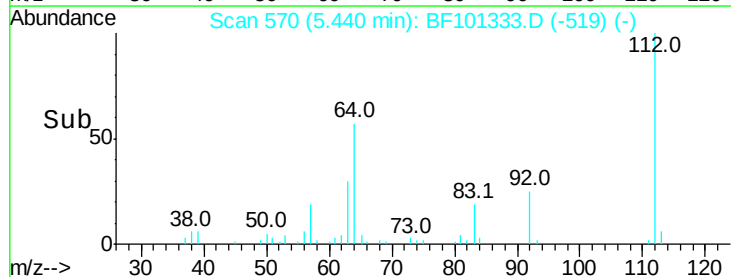
#5

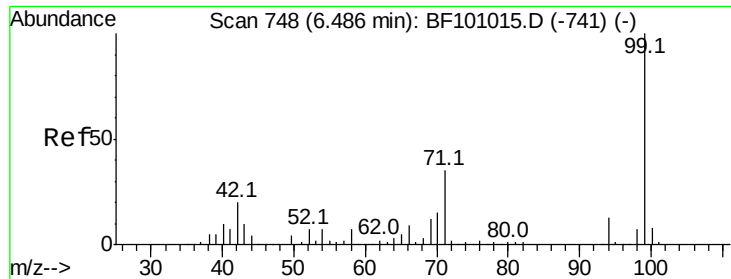
2-Fluorophenol
Concen: 19.489 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion:112 Resp: 55012
Ion Ratio Lower Upper
112 100
64 57.2 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: 19.283 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Instrument :

BNA_F

ClientSampleId :

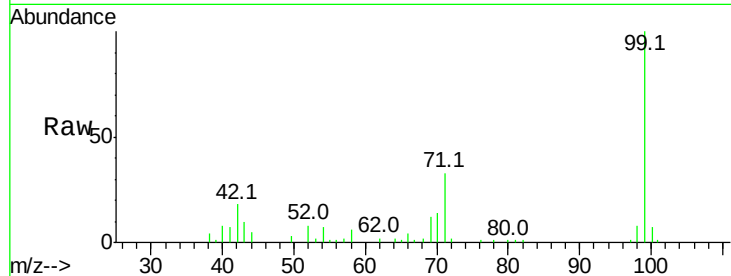
Tot Ion: 99 Resp: 66081

Ion Ratio Lower Upper

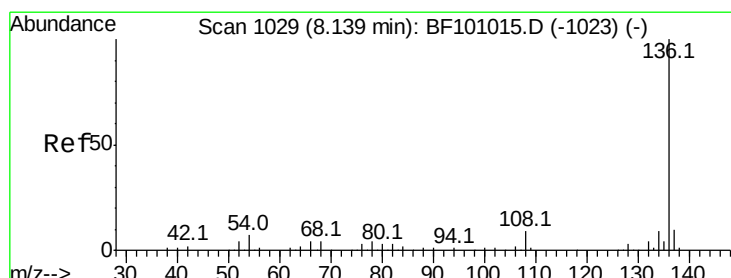
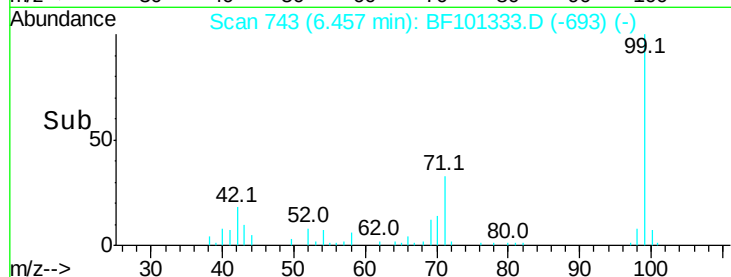
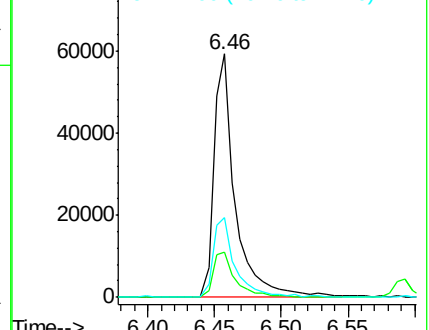
99 100

42 18.4 14.5 21.7

71 32.6 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# 1023

Delta R.T. -0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Tgt Ion: 136 Resp: 179323

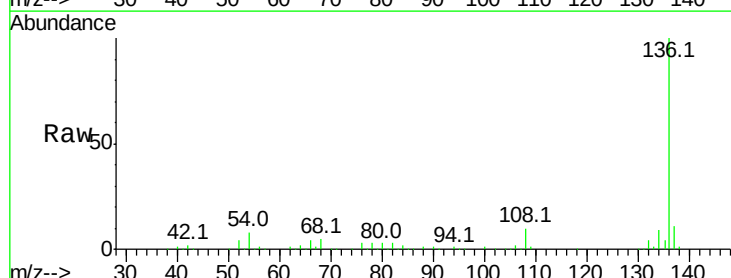
Ion Ratio Lower Upper

136 100

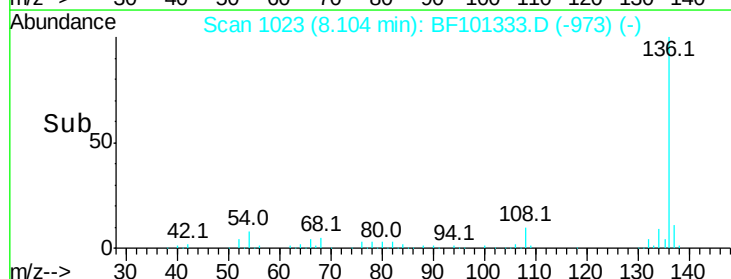
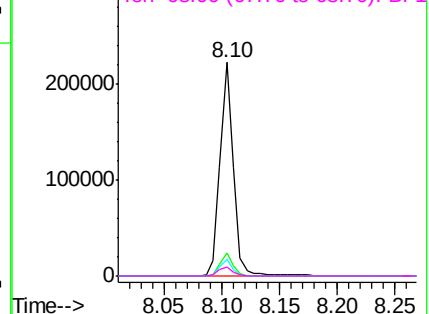
137 10.7 8.9 13.3

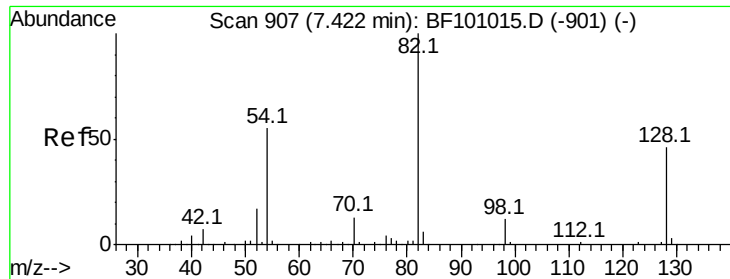
54 7.6 6.6 9.8

68 4.5 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

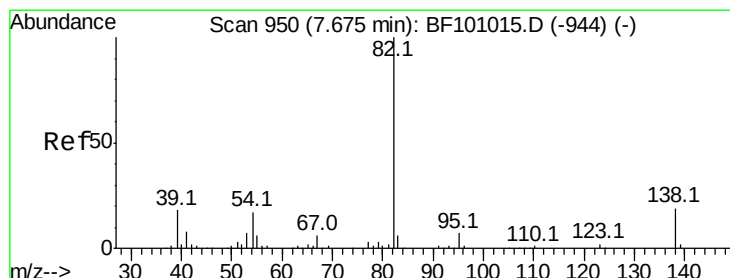
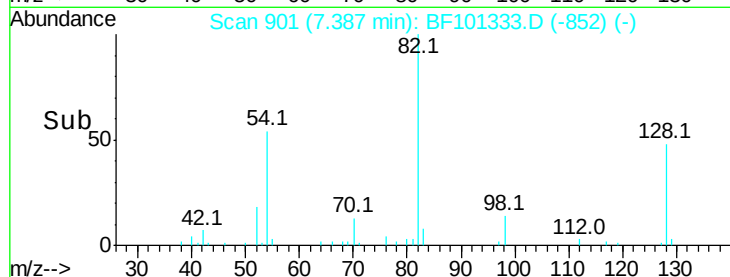
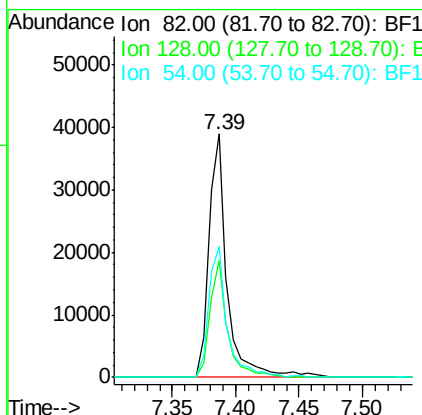
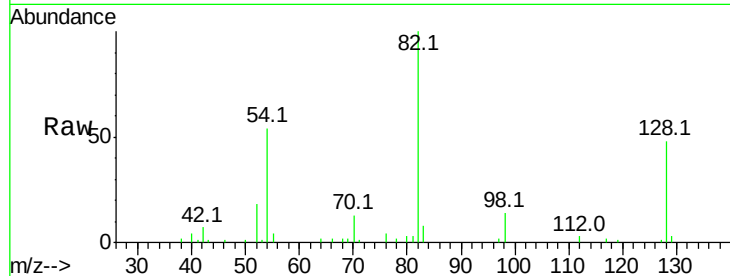




#23
 Nitrobenzene-d5
 Concen: 12.983 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

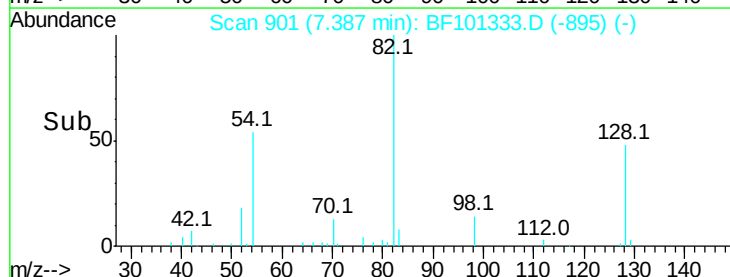
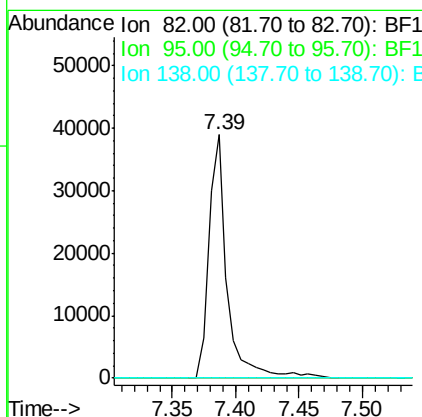
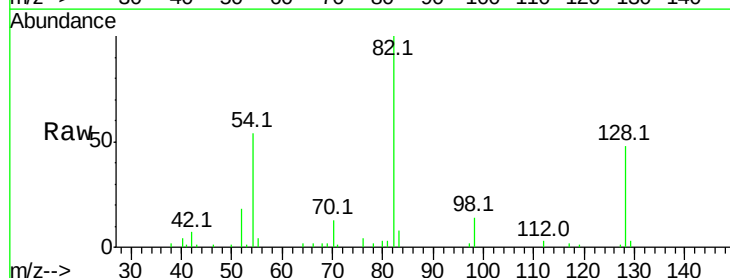
Instrument :
 BNA_F
 ClientSampleId :

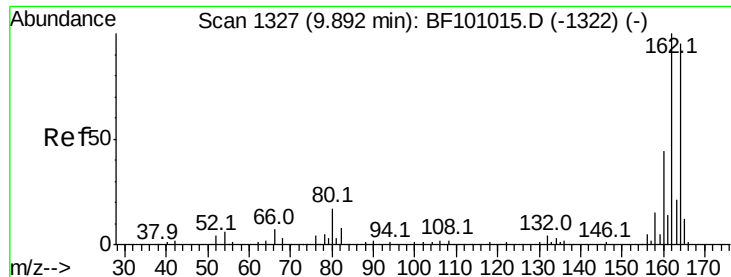
Tot Ion	82	Resp	39027
Ion Ratio	Lower	Upper	
82	100		
128	48.0	36.1	54.1
54	53.9	41.4	62.2



#25
 Isophorone
 Concen: 7.601 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Tgt Ion	82	Resp	39027
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

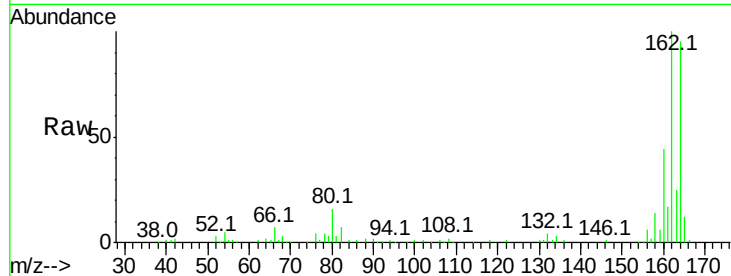




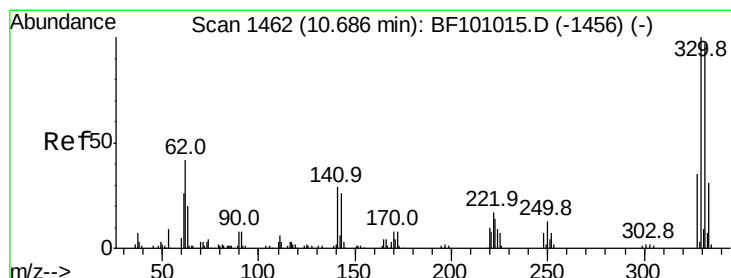
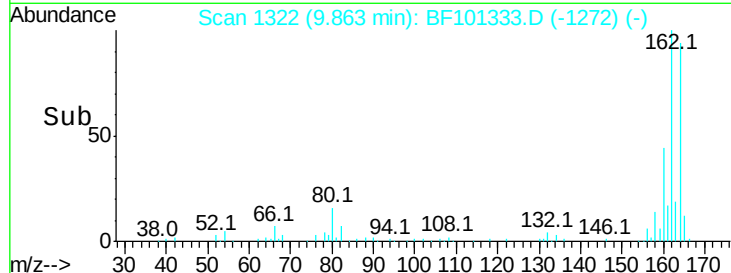
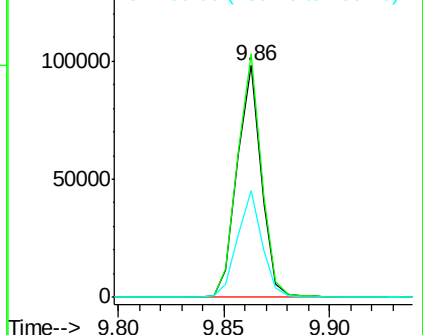
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 77182
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 46.3 38.3 57.5

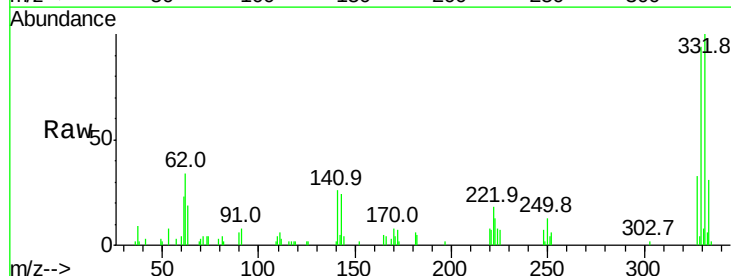


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

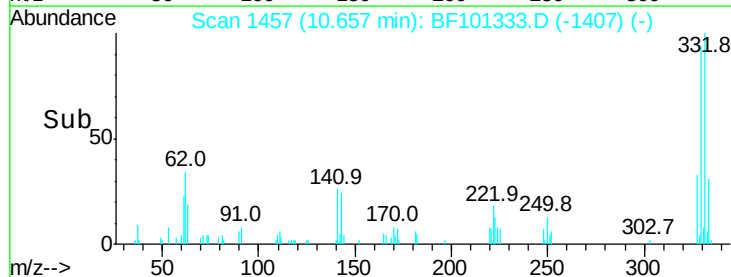
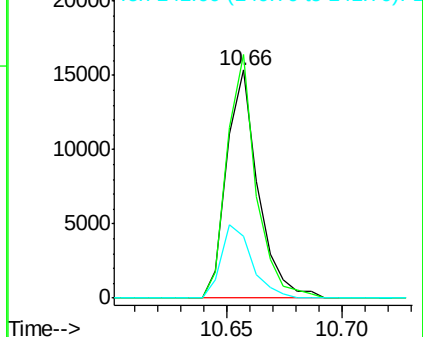


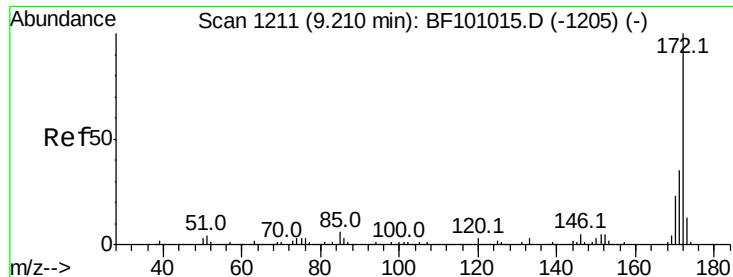
#41
 2,4,6-Tribromophenol
 Concen: 15.636 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Tgt Ion:330 Resp: 14497
 Ion Ratio Lower Upper
 330 100
 332 99.2 77.0 115.6
 141 31.7 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

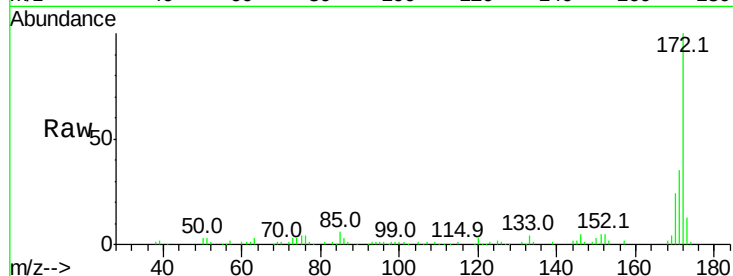




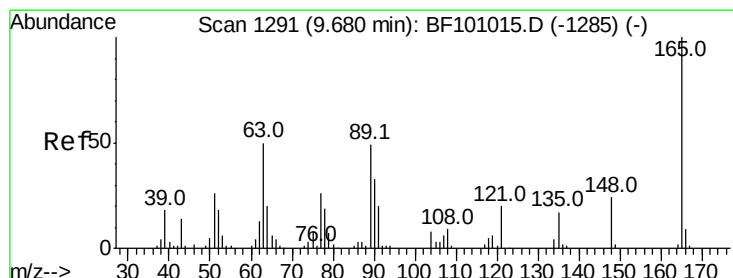
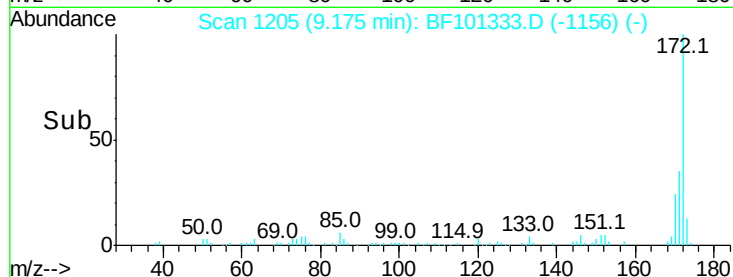
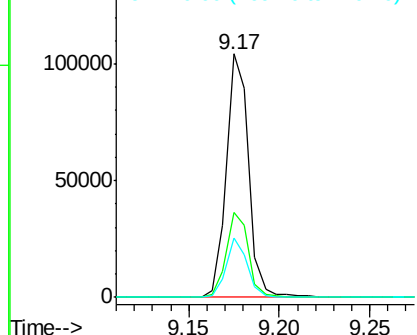
#44
 2-Fluorobiphenyl
 Concen: 15.799 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 89122
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 24.1 19.6 29.4

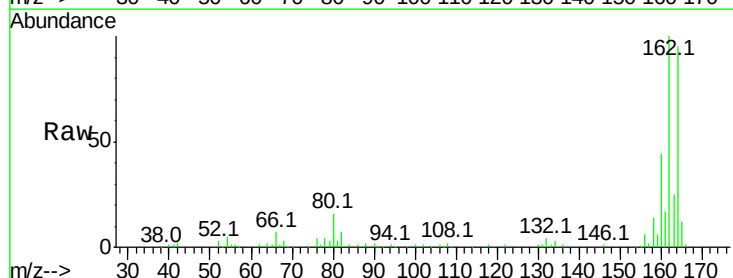


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

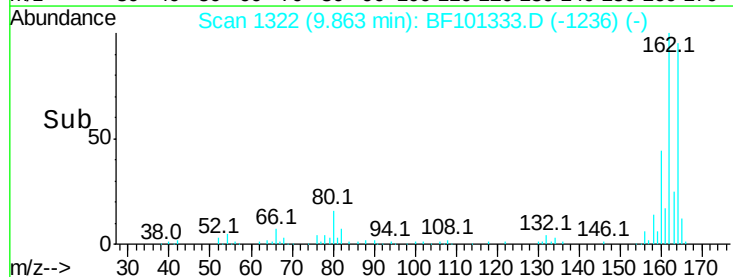
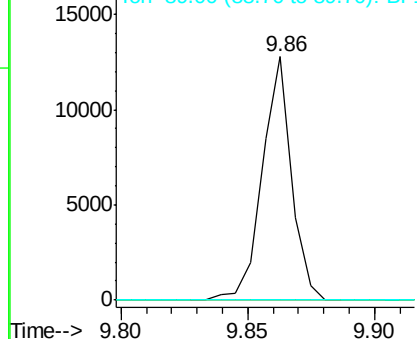


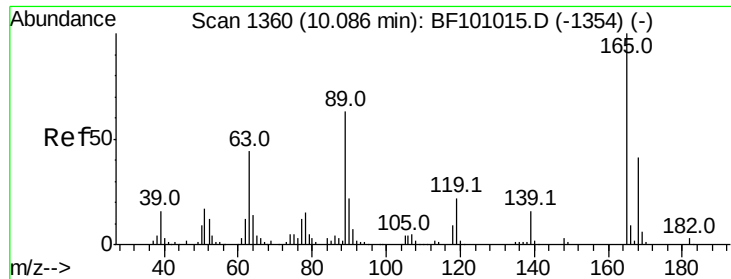
#50
 2,6-Dinitrotoluene
 Concen: 7.797 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Tgt Ion:165 Resp: 10222
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 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: 5.818 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 10222

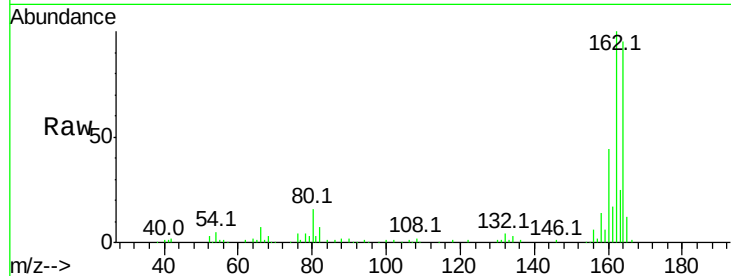
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

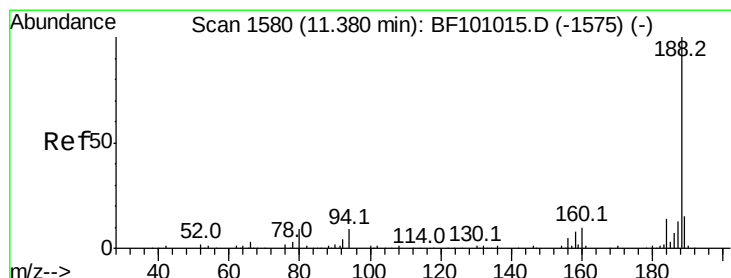
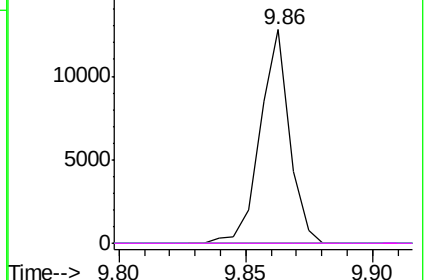
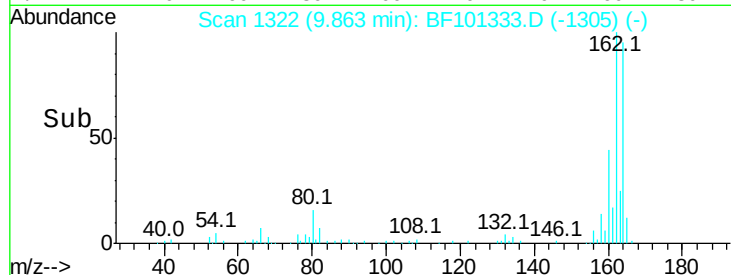


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1575

Delta R.T. -0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

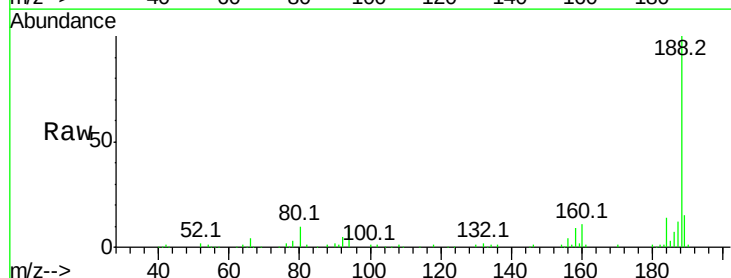
Tgt Ion:188 Resp: 130350

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

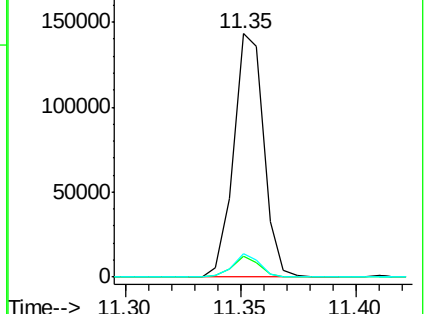
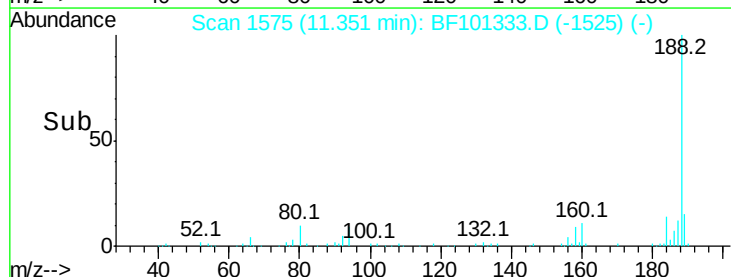
80 9.7 9.2 13.8

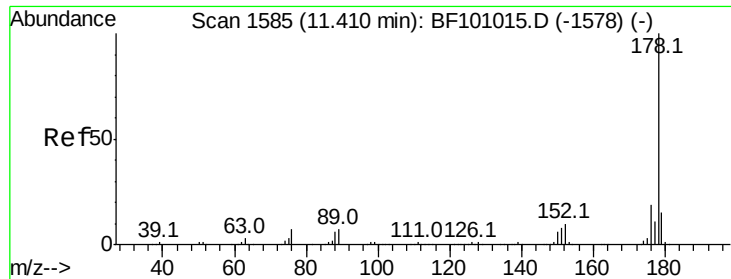


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

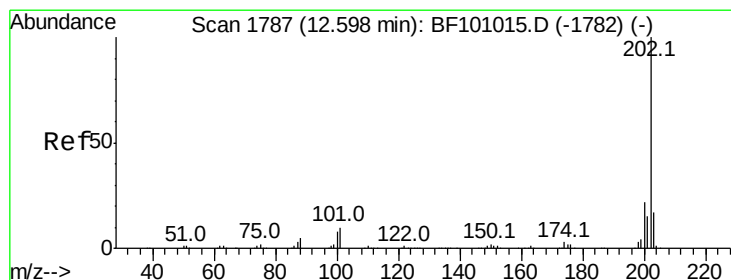
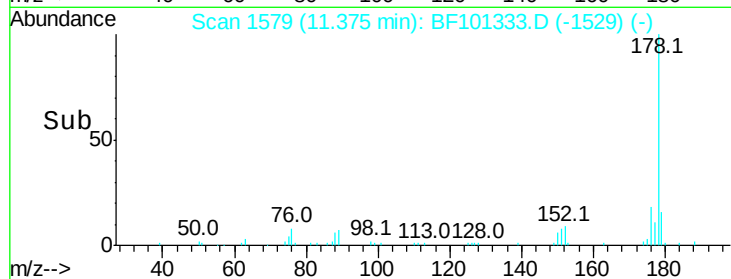
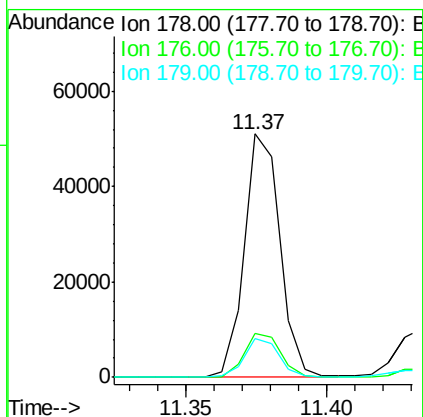
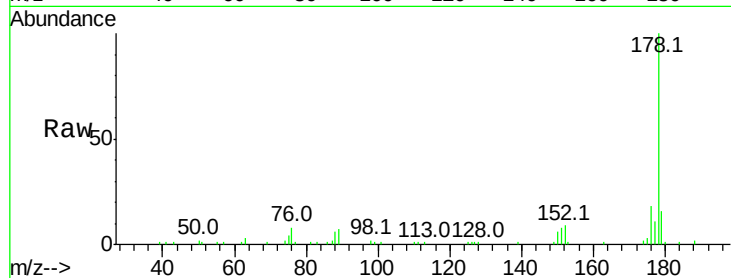




#70
Phenanthrene
Concen: 6.233 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

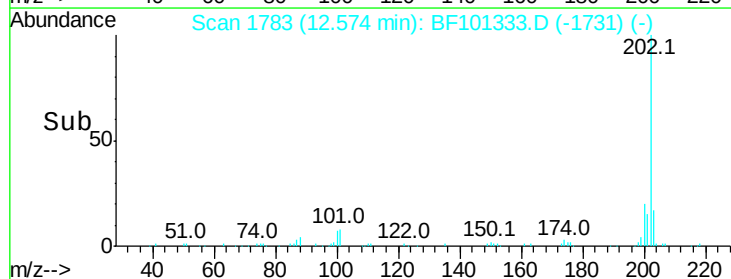
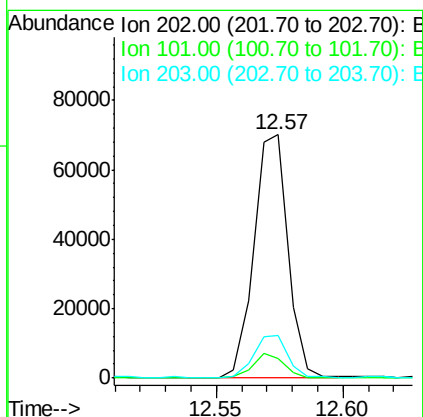
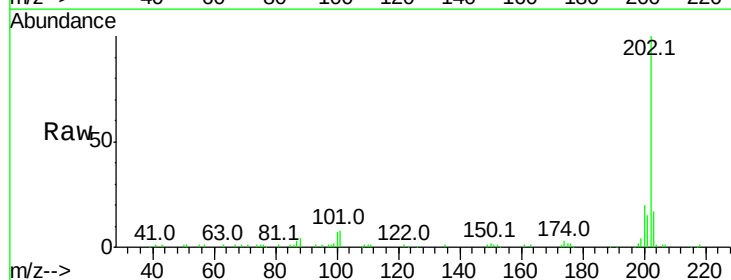
Instrument :
BNA_F
ClientSampleId :

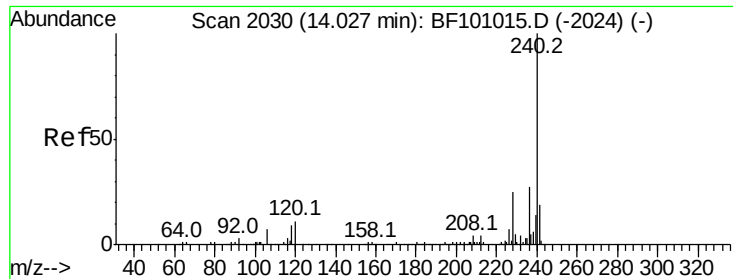
Tot Ion:178 Resp: 44743
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.9 13.0 19.6



#74
Fluoranthene
Concen: 8.290 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion:202 Resp: 65967
Ion Ratio Lower Upper
202 100
101 8.1 0.0 34.1
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Instrument :

BNA_F

ClientSampleId :

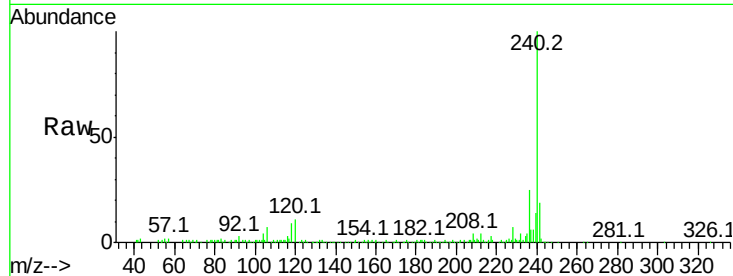
Tot Ion:240 Resp: 102488

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

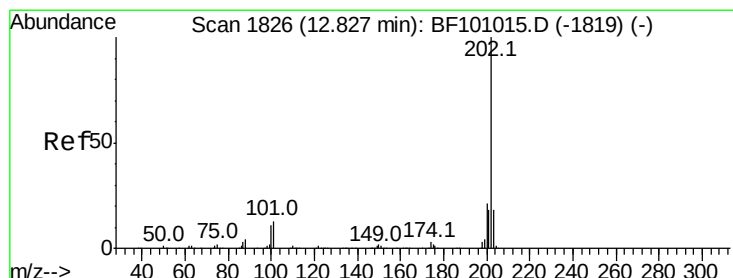
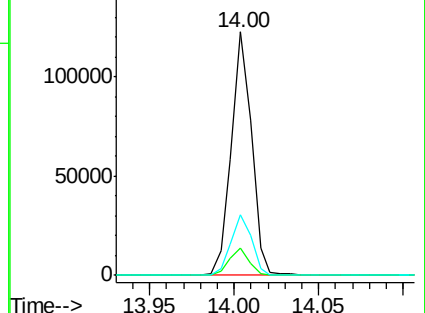
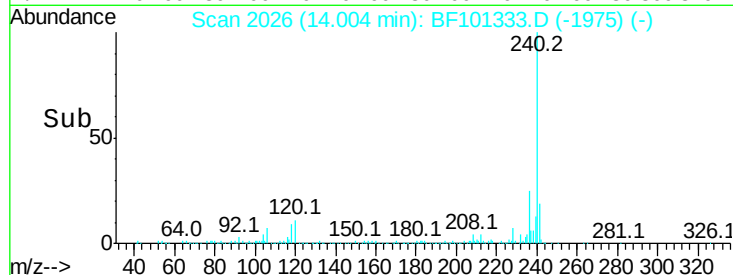
236 25.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.647 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

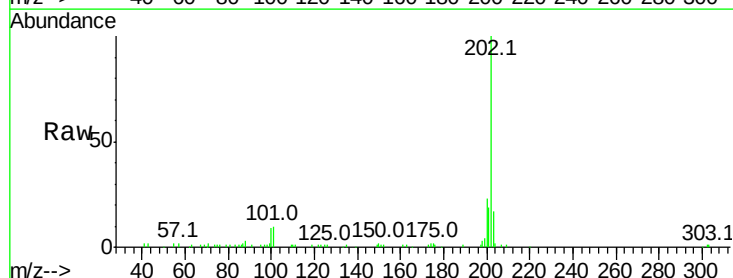
Tgt Ion:202 Resp: 61152

Ion Ratio Lower Upper

202 100

200 22.8 17.4 26.2

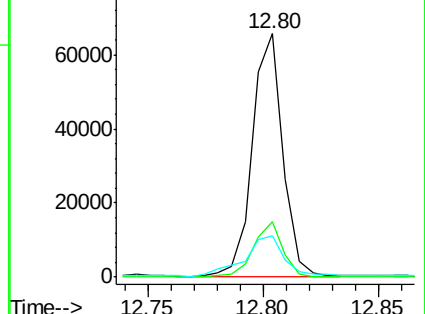
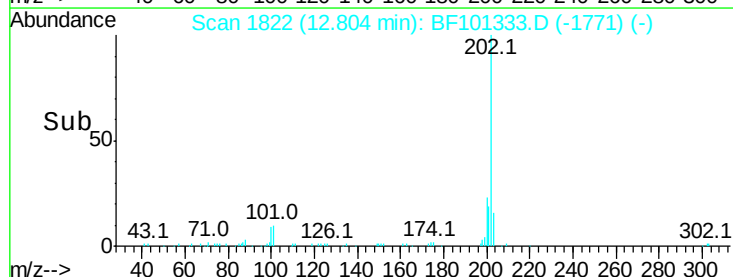
203 16.9 14.3 21.5

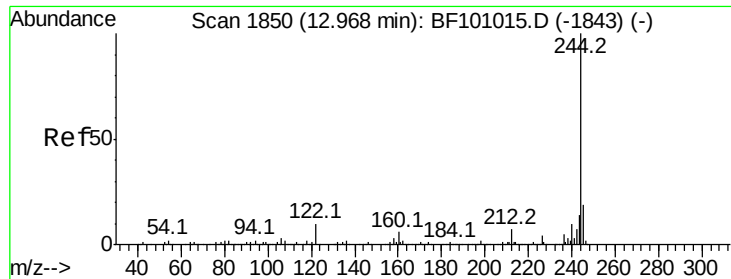


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.931 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Instrument :

BNA_F

ClientSampleId :

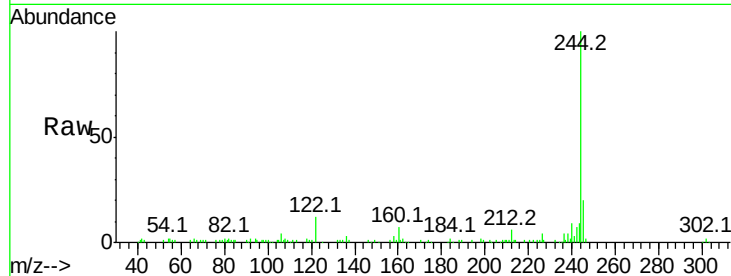
Tot Ion:244 Resp: 69963

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

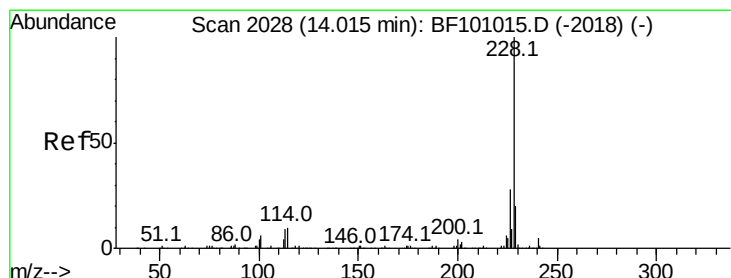
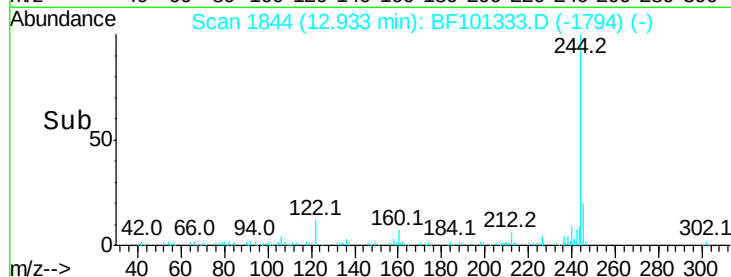
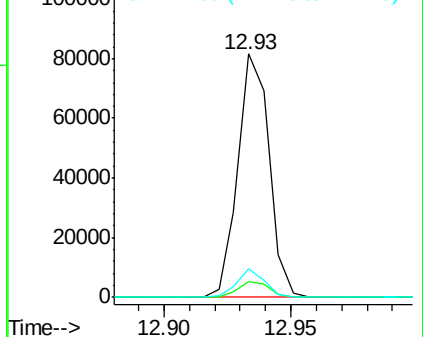
122 11.5 11.0 16.4



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: 4.638 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

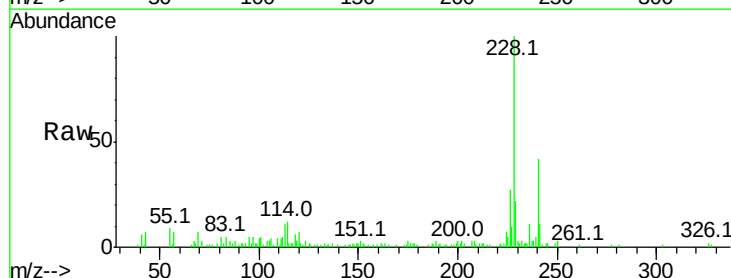
Tgt Ion:228 Resp: 30012

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

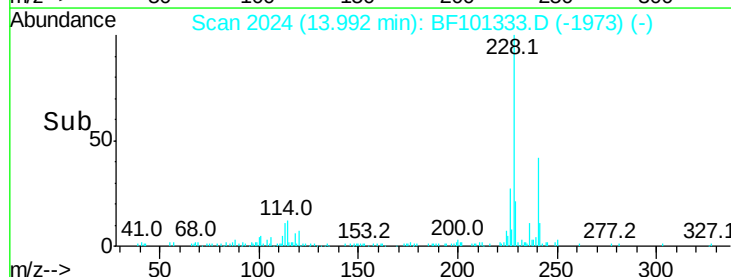
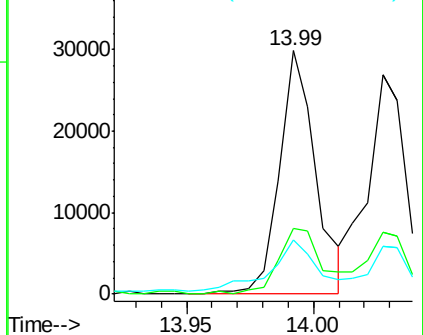
229 22.3 15.8 23.6

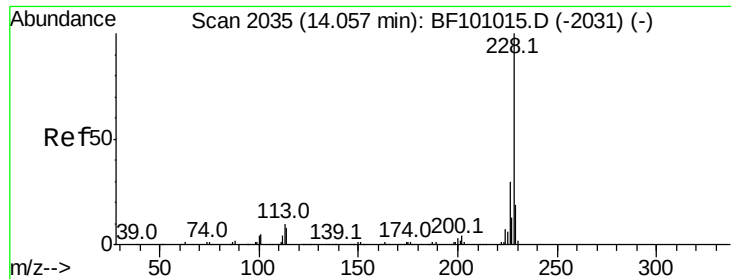


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.726 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

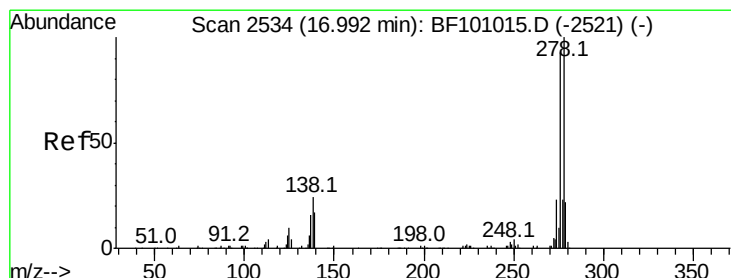
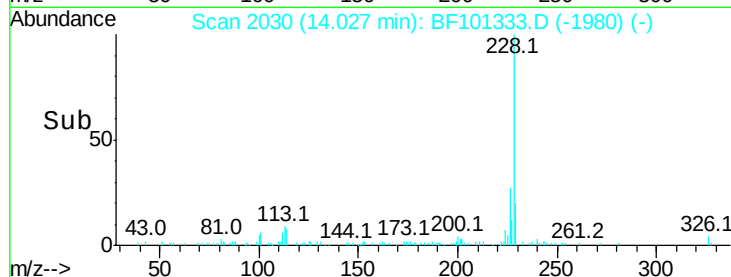
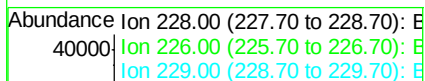
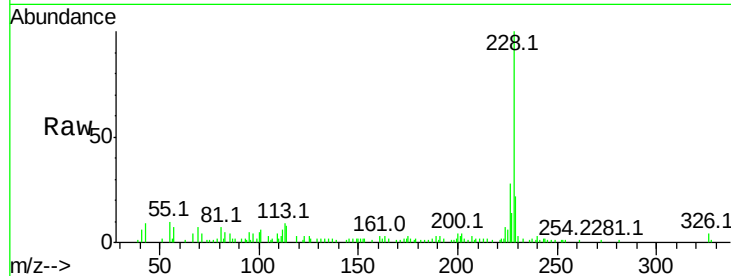
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 28399

Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.0	37.6
229	21.9	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.321 ng

RT: 16.97 min Scan# 2530

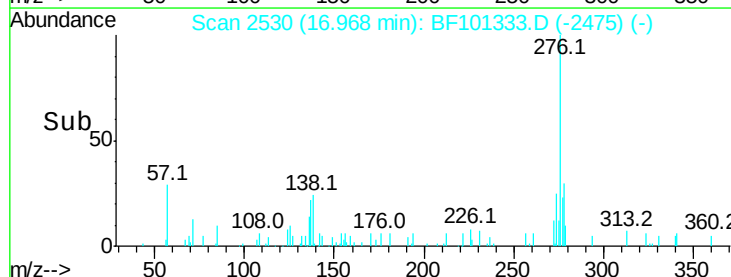
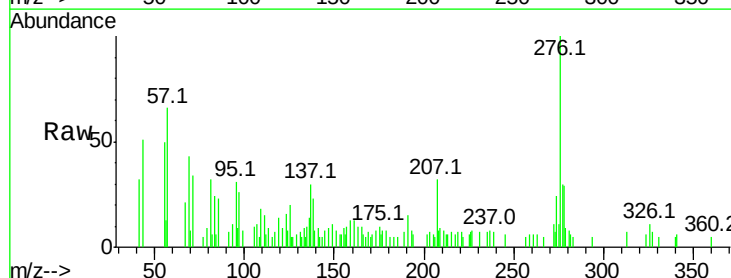
Delta R.T. 0.02 min

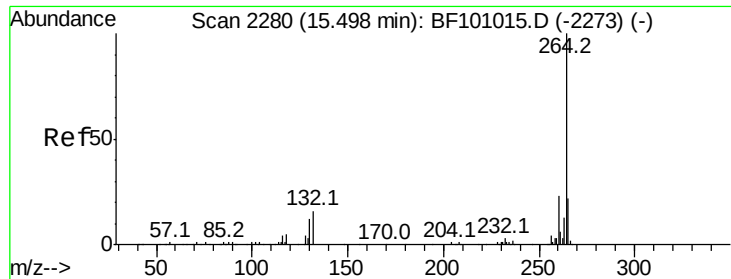
Lab File: BF101333.D

Acq: 12 Dec 2017 16:49

Tgt Ion:276 Resp: 12402

Ion	Ratio	Lower	Upper
276	100		
138	28.2	25.0	37.6
277	32.8	20.1	30.1

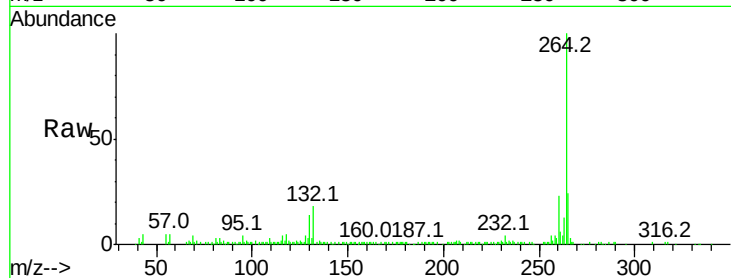




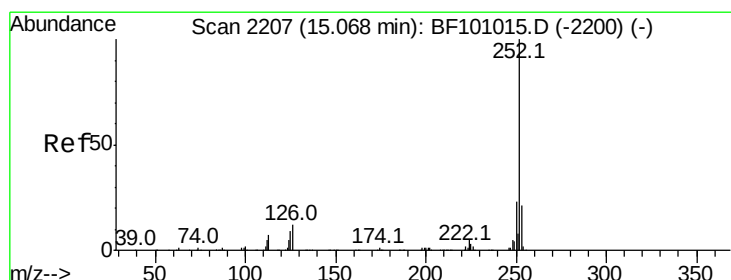
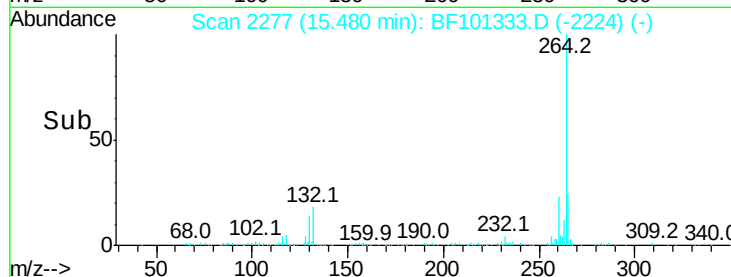
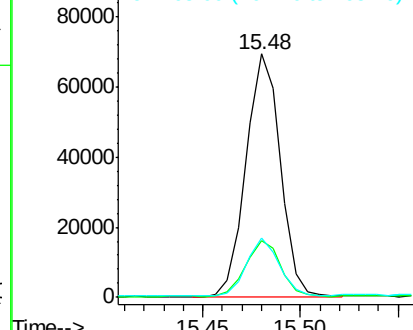
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 85352
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 24.3 17.5 26.3

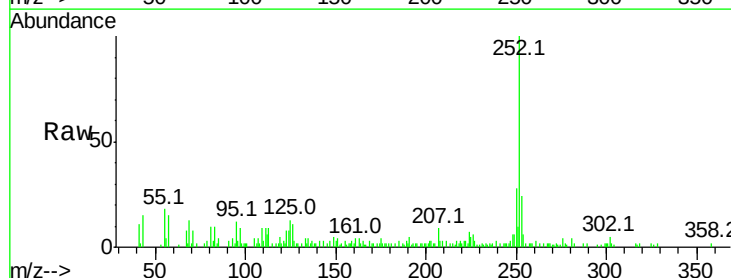


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

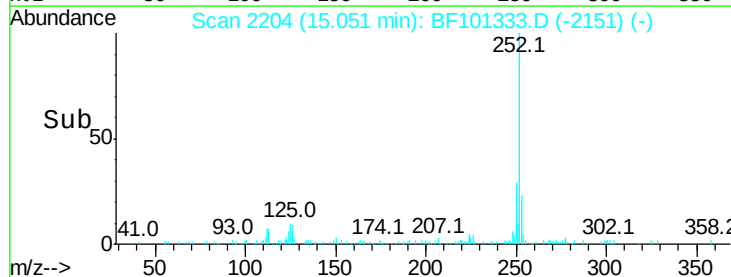
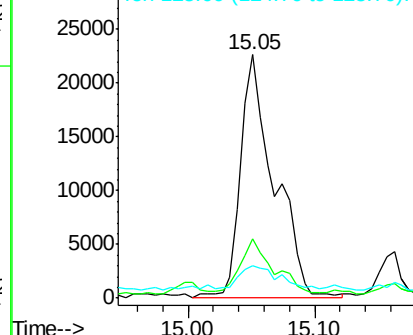


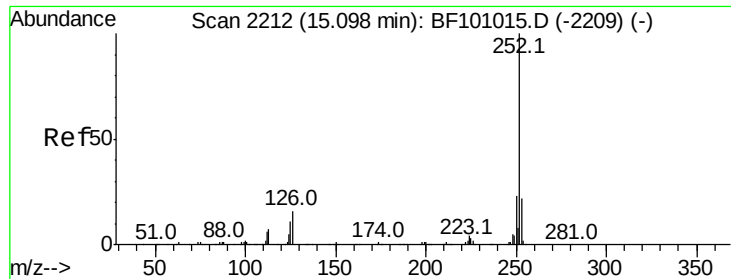
#87
Benzo(b)fluoranthene
Concen: 8.164 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion:252 Resp: 41738
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.6
125 13.3 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

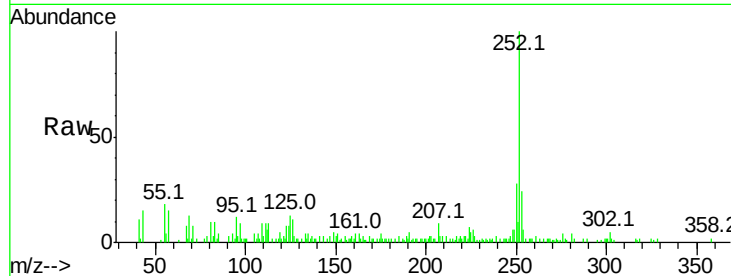




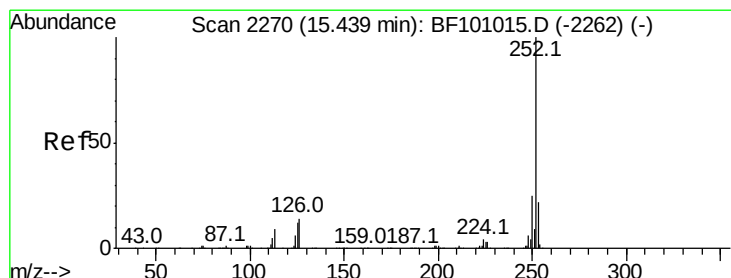
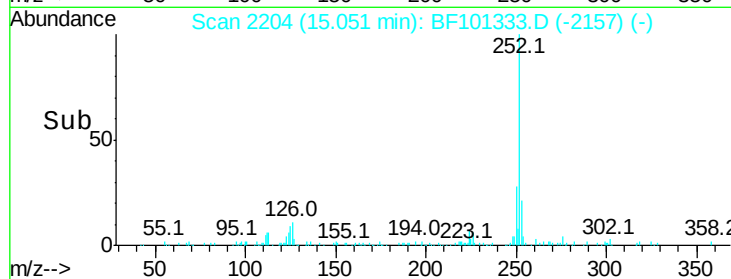
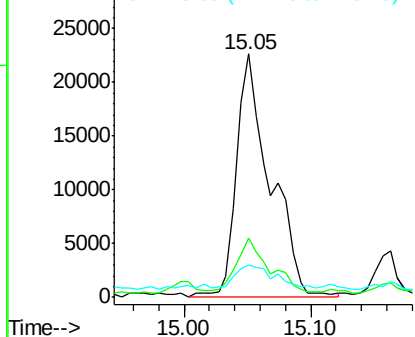
#88
Benzo(k)fluoranthene
Concen: 8.287 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	13.3	10.2	15.2

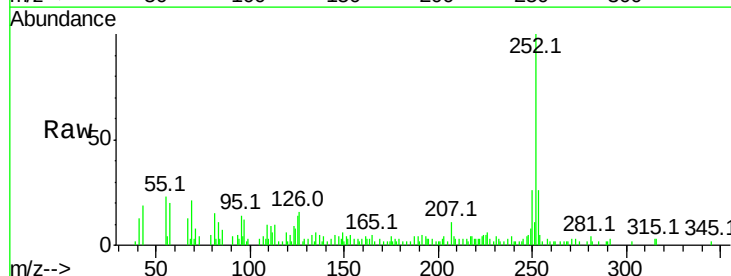


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

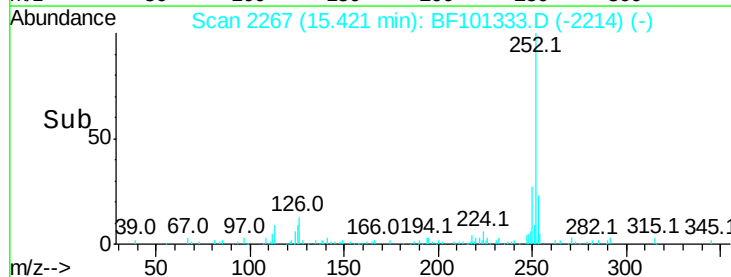
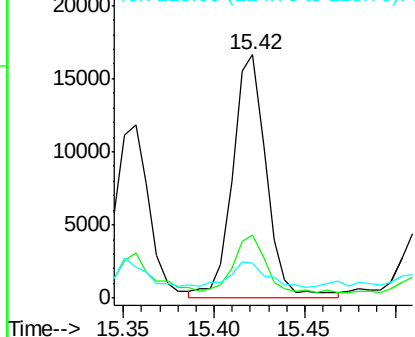


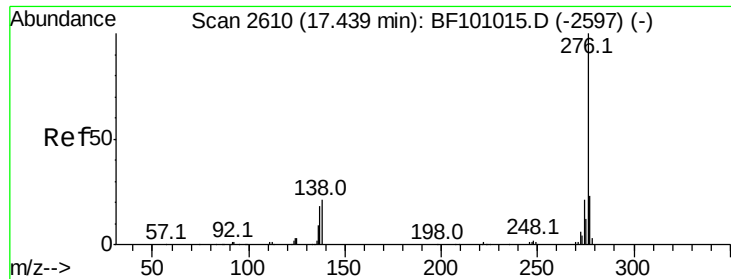
#89
Benzo(a)pyrene
Concen: 4.660 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101333.D
Acq: 12 Dec 2017 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	14.3	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





#91
 Benzo(a,h,i)perylene
 Concen: 3.185 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.03 min
 Lab File: BF101333.D
 Acq: 12 Dec 2017 16:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.3	17.9	26.9
138	18.9	21.8	32.8

