

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103363.D
 Acq On : 2 Mar 2018 13:44
 Operator : SJ/JU
 Sample : J1402-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-C

Quant Time: Mar 02 17:05:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	146359	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	624308	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	261968	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	415480	20.00	ng	0.00
75) Chrysene-d12	14.06	240	249272	20.00	ng	0.00
86) Perylene-d12	15.57	264	251169	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1025435	105.97	ng	0.00
7) Phenol-d6	6.51	99	1210125	102.19	ng	0.00
23) Nitrobenzene-d5	7.44	82	816270	74.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	196523	88.63	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	906997	54.60	ng	0.00
78) Terphenyl-d14	12.99	244	544387	52.50	ng	0.00

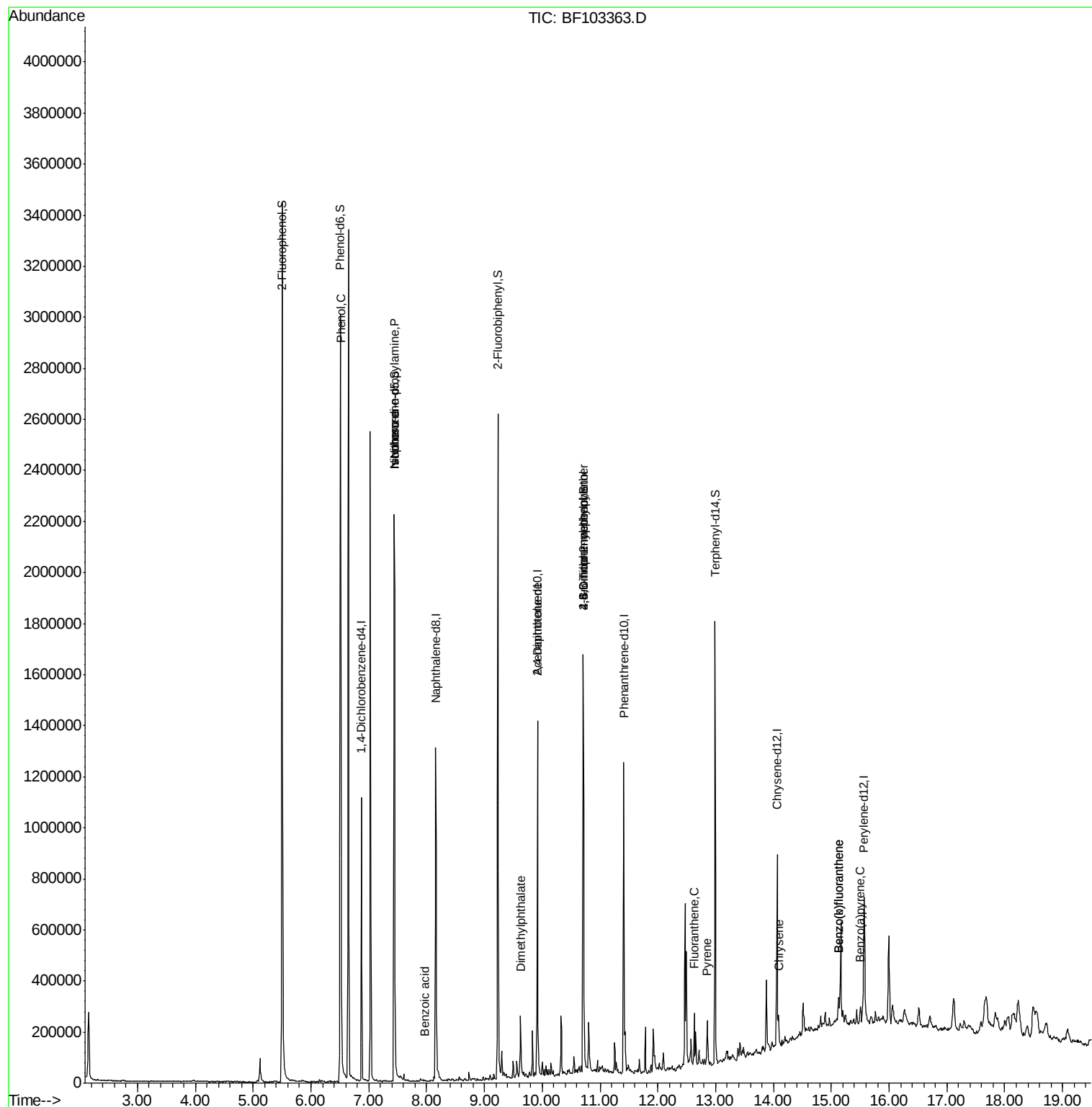
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	2675	Below Cal	#	1
10) Phenol	6.52	94	87502	6.365	ng	89
19) n-Nitroso-di-n-propylamine	7.44	70	108420	14.712	ng	84
25) Isophorone	7.44	82	816266	37.912	ng	64
32) Benzoic acid	7.96	122	118	6.929	ng	85
49) Dimethylphthalate	9.63	163	99052	4.713	ng	99
56) 2,4-Dinitrotoluene	9.92	165	34766	6.233	ng	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	457	5.107	ng	1
66) 4-Bromophenyl-phenylether	10.71	248	12619	2.916	ng	1
74) Fluoranthene	12.63	202	71097	3.094	ng	97
77) Pyrene	12.86	202	64791	3.334	ng	98
82) Chrysene	14.09	228	43373	2.762	ng	98
87) Benzo(b)fluoranthene	15.13	252	71734	4.344	ng	84
88) Benzo(k)fluoranthene	15.13	252	71734	4.613	ng	87
89) Benzo(a)pyrene	15.50	252	34075	2.311	ng	85

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

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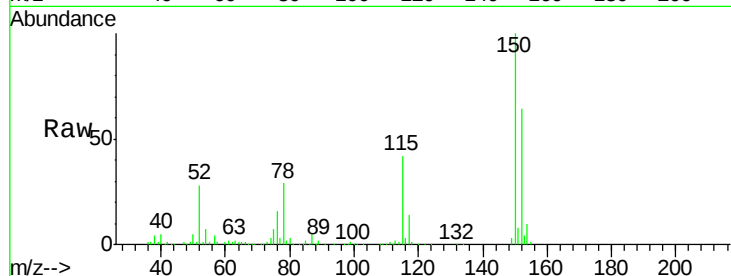


#1

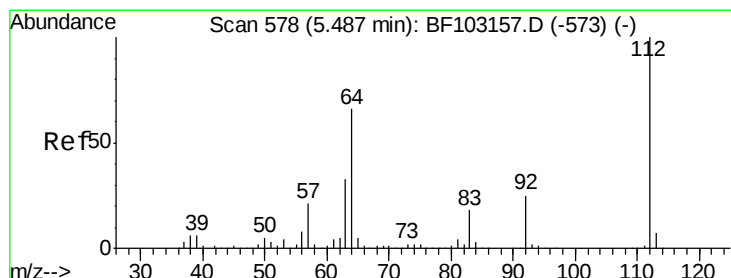
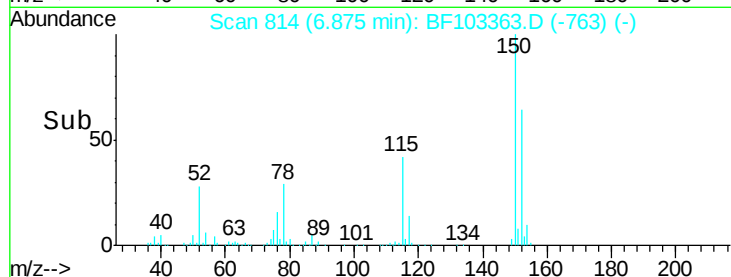
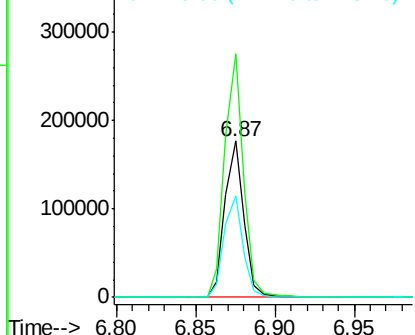
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-C

Tot Ion:152 Resp: 146359
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 65.3 50.1 75.1



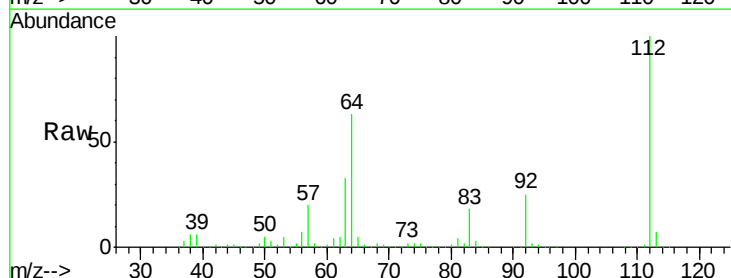
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



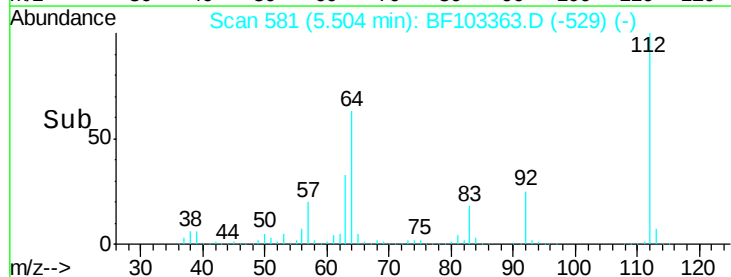
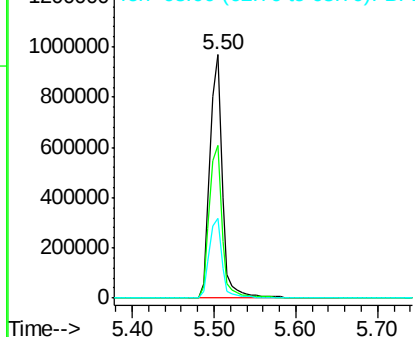
#5

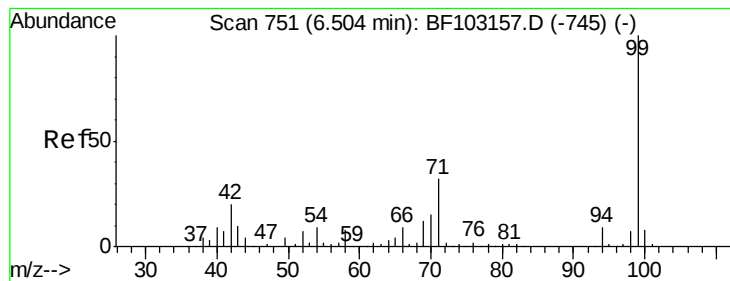
2-Fluorophenol
Concen: 105.965 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

Tgt Ion:112 Resp: 1025435
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 32.9 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: 102.195 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-C

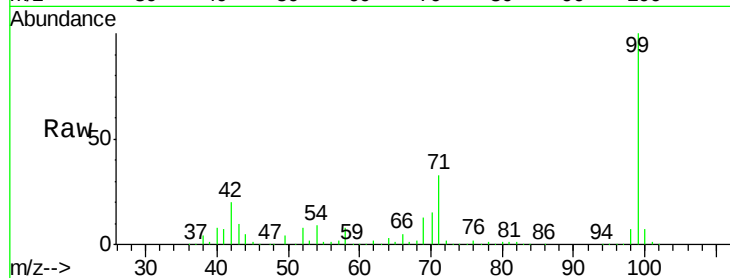
Tot Ion: 99 Resp: 1210125

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

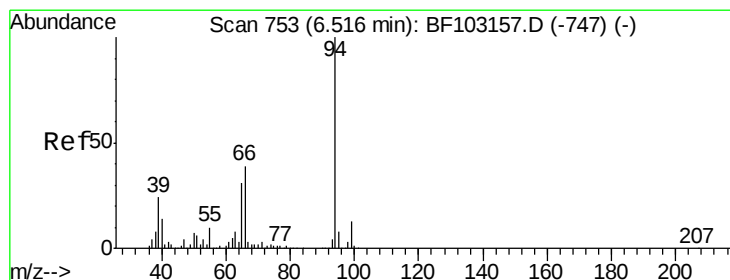
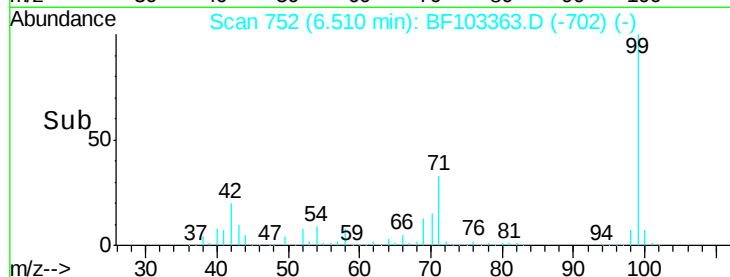
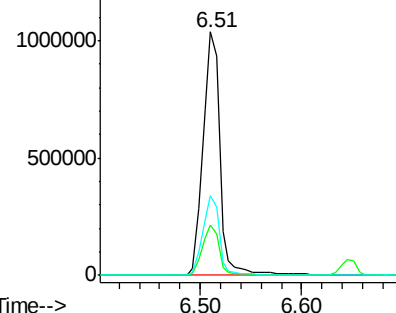
71 33.0 25.4 38.0



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: 6.365 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

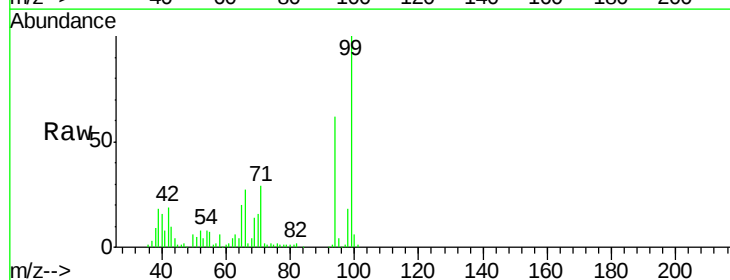
Tgt Ion: 94 Resp: 87502

Ion Ratio Lower Upper

94 100

65 32.2 7.9 47.9

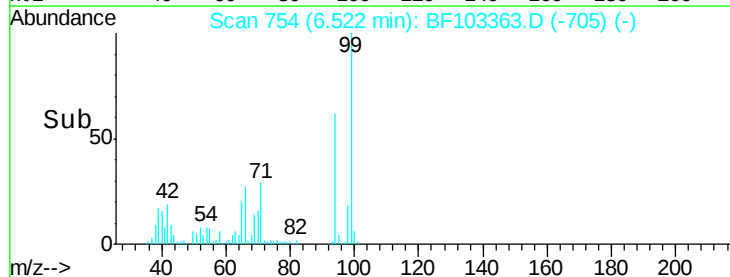
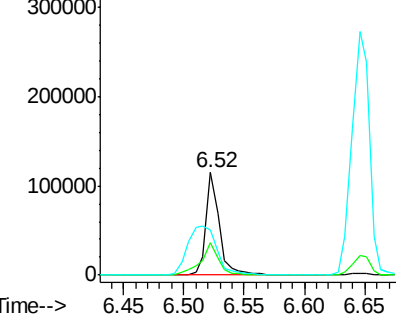
66 44.2 16.2 56.2

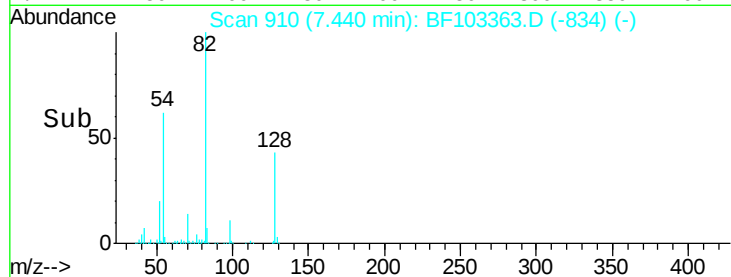
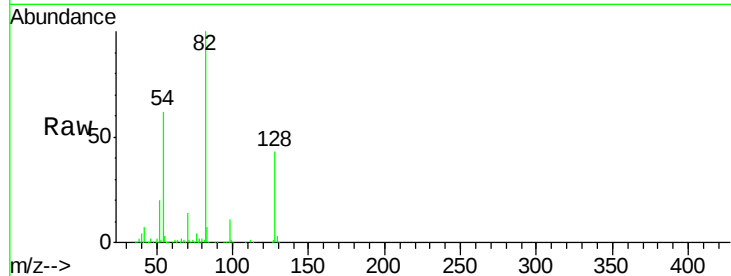
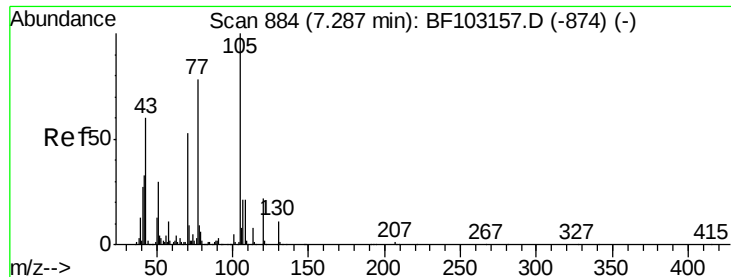


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

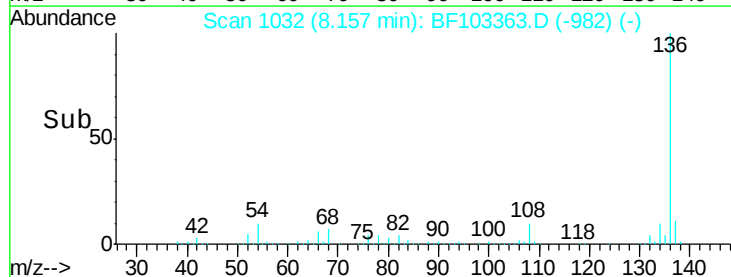
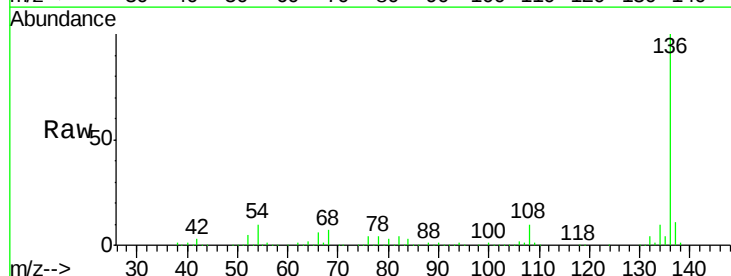
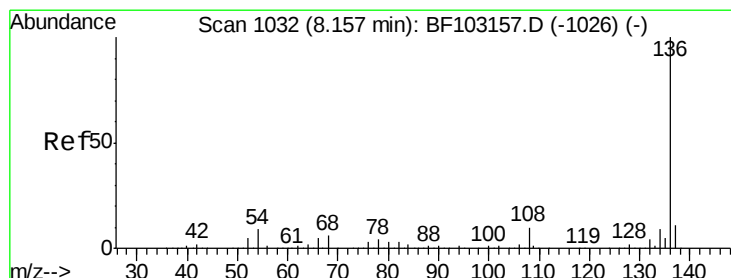
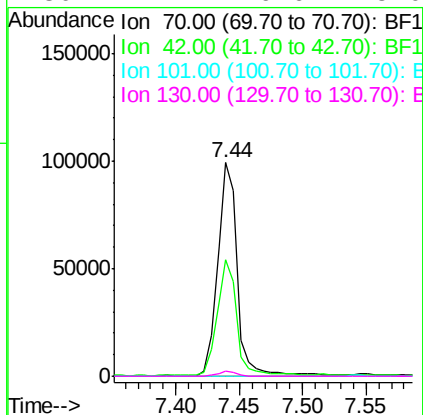




#19
n-Nitroso-di-n-propylamine
Concen: 14.712 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

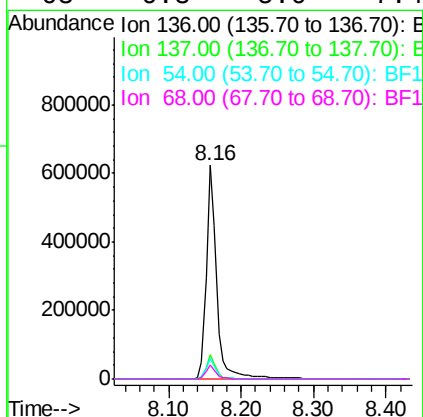
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-C

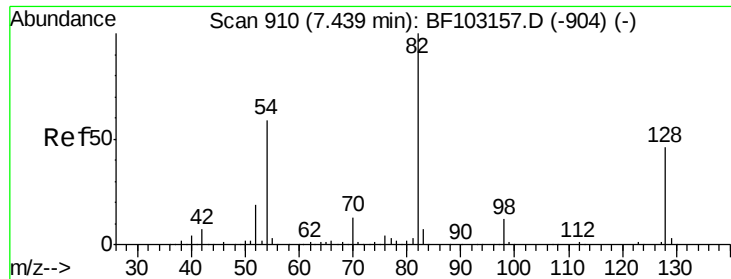
Tot Ion: 70 Resp: 108420
Ion Ratio Lower Upper
70 100
42 54.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

Tgt Ion: 136 Resp: 624308
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.9 6.6 9.8#
68 6.8 5.0 7.4

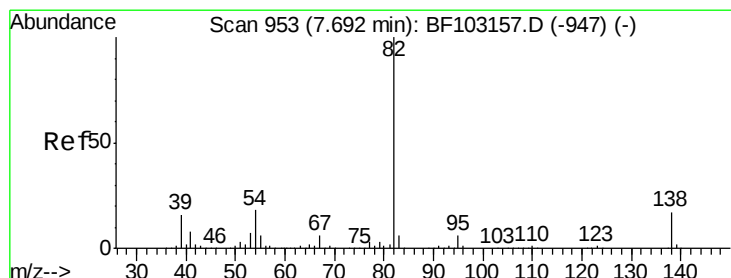
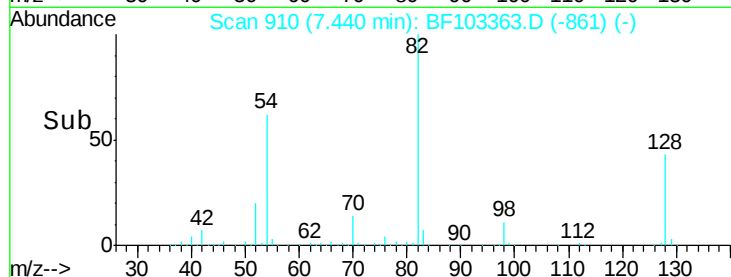
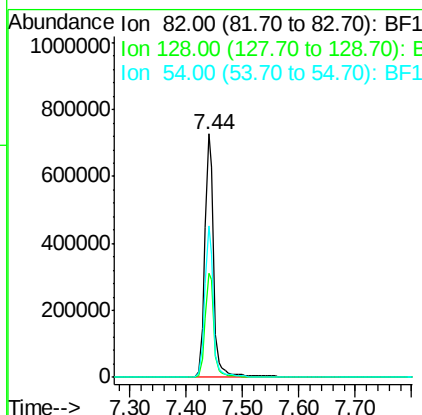
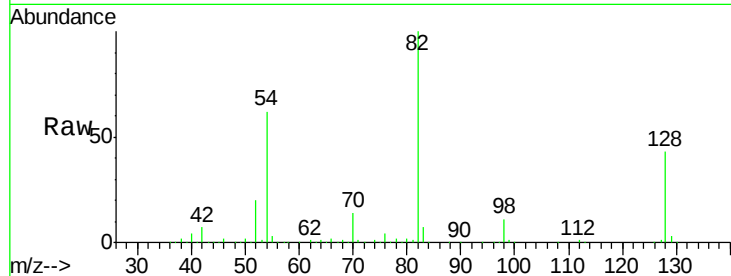




#23
 Nitrobenzene-d5
 Concen: 74.668 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103363.D
 Acq: 2 Mar 2018 13:44

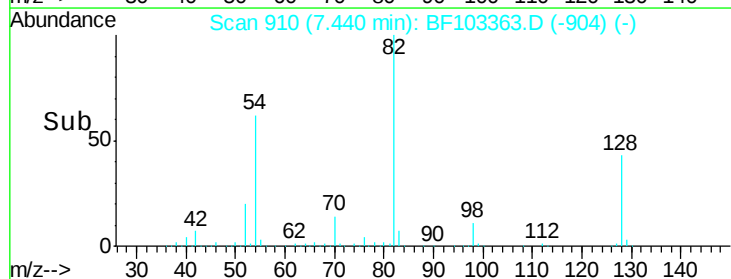
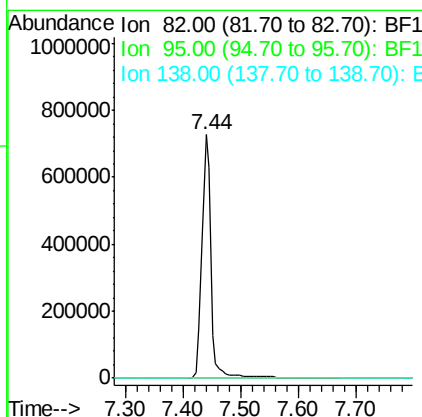
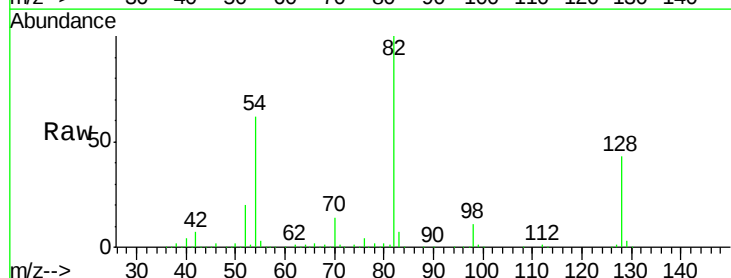
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-C

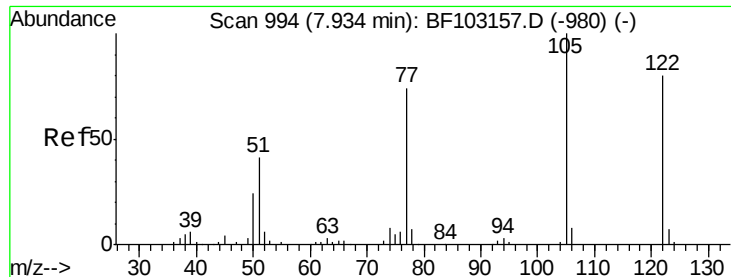
Tot Ion	82	Resp	816270
Ion Ratio	Lower	Upper	
82	100		
128	42.8	36.1	54.1
54	62.2	41.4	62.2



#25
 Isophorone
 Concen: 37.912 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF103363.D
 Acq: 2 Mar 2018 13:44

Tgt Ion	82	Resp	816266
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

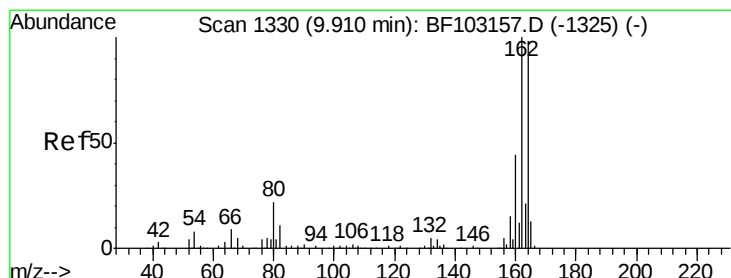
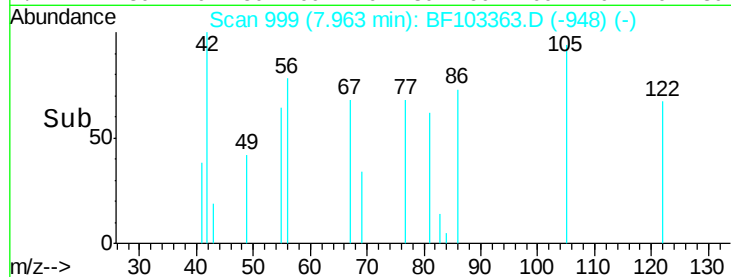
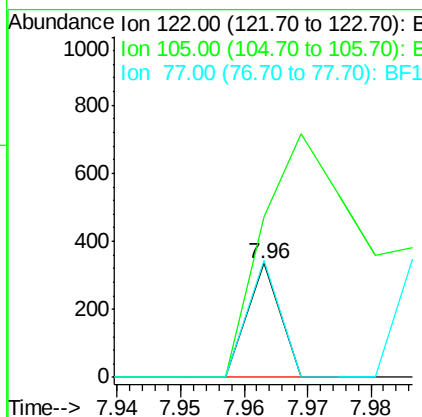
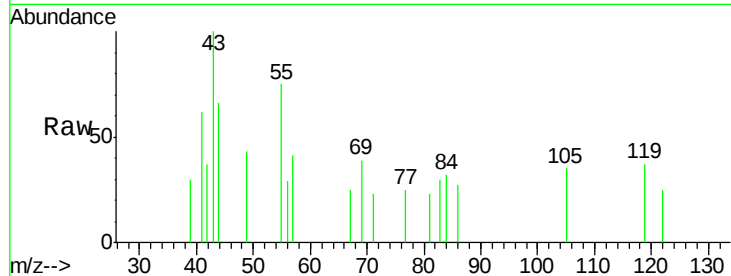




#32
Benzoic acid
Concen: 6.929 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.00 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

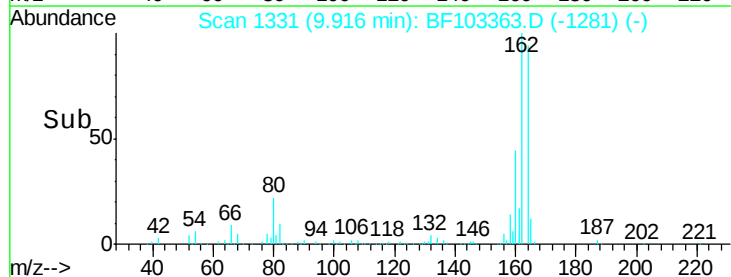
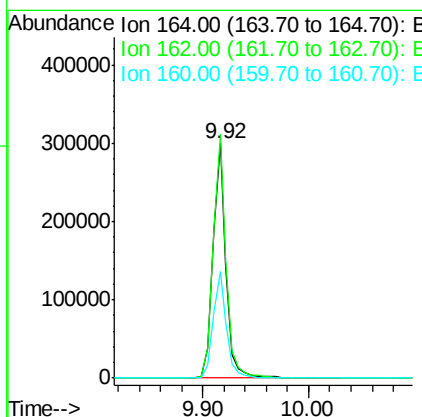
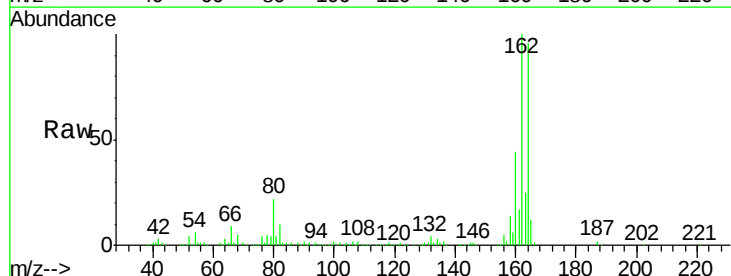
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BNA_F
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PL-01-022818-C

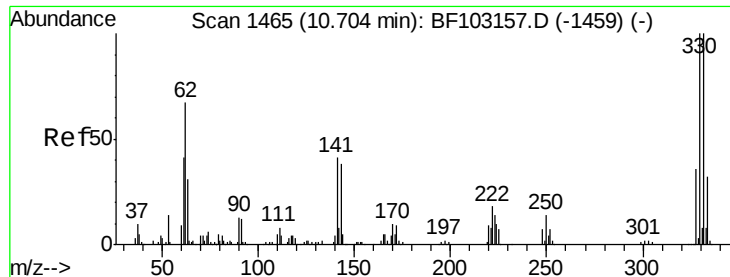
Tot Ion	Ratio	Lower	Upper
122	100		
105	140.3	101.1	141.1
77	102.4	70.7	110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	45.7	38.3	57.5

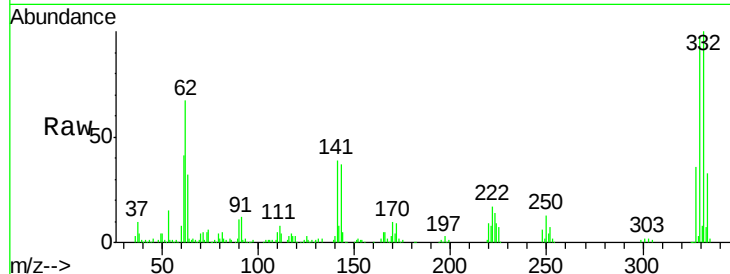




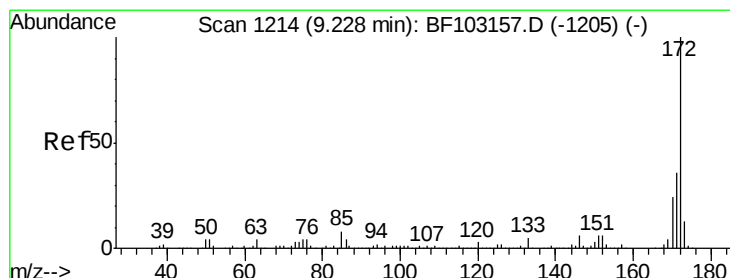
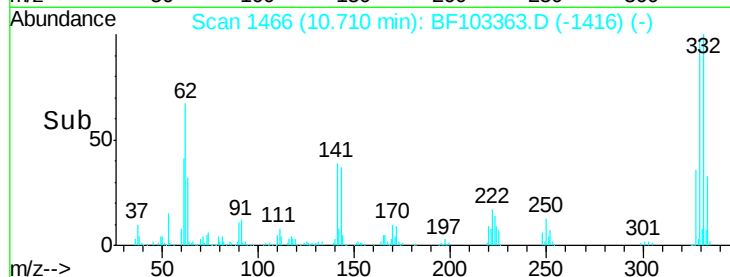
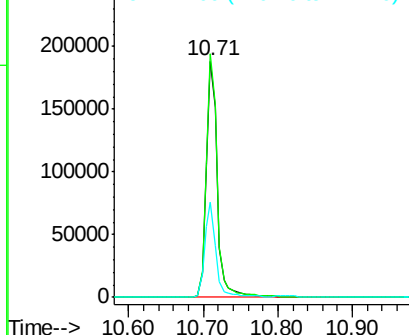
#41
 2,4,6-Tribromophenol
 Concen: 88.627 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103363.D
 Acq: 2 Mar 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-C

Tot Ion:330 Resp: 196523
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.0 115.6
 141 40.6 29.9 44.9

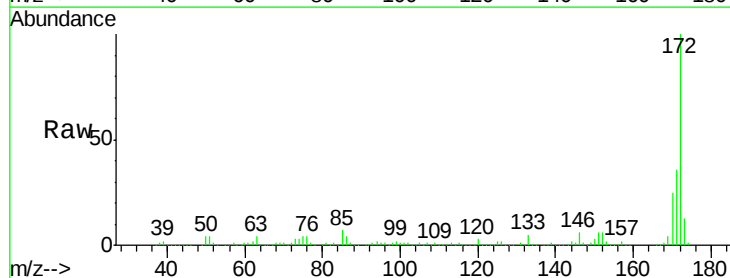


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

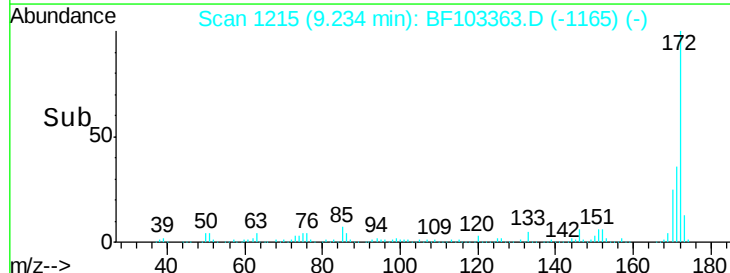
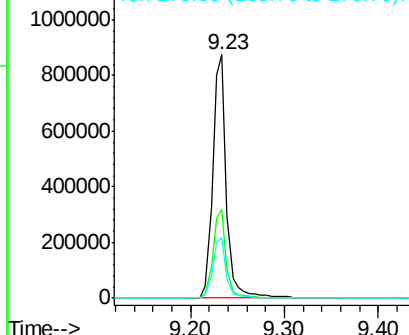


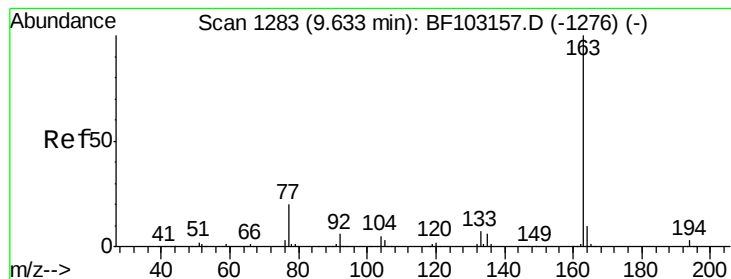
#44
 2-Fluorobiphenyl
 Concen: 54.596 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103363.D
 Acq: 2 Mar 2018 13:44

Tgt Ion:172 Resp: 906997
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.9 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





#49

Dimethylphthalate

Concen: 4.713 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-C

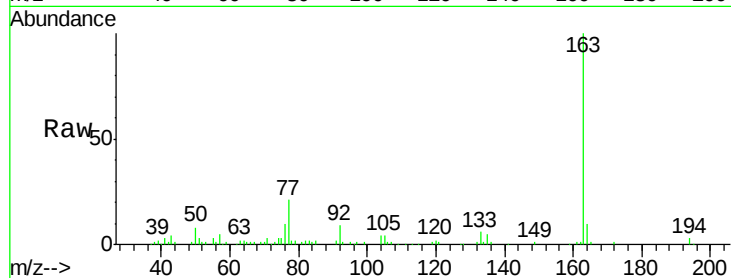
Tot Ion:163 Resp: 99052

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

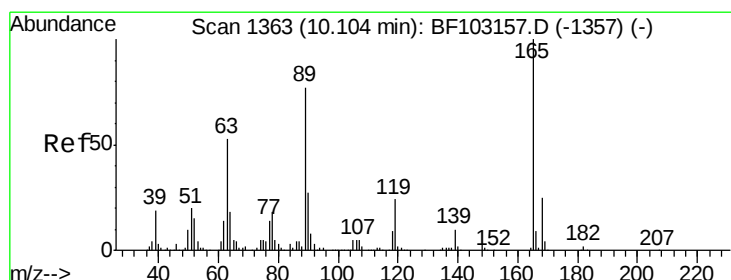
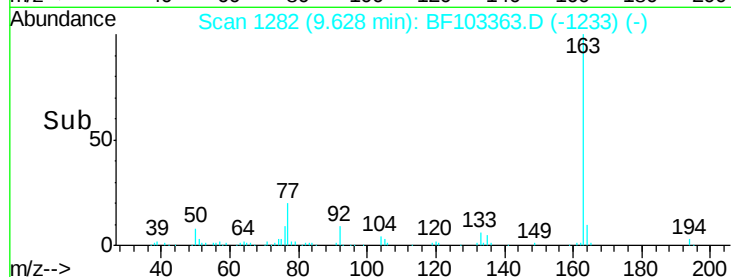
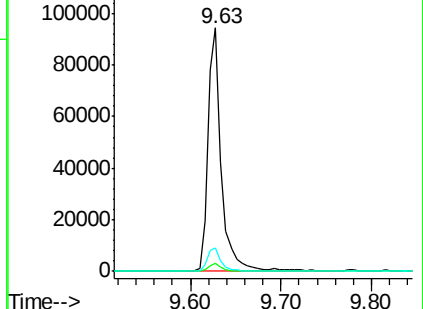
164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.233 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.21 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

Tgt Ion:165 Resp: 34766

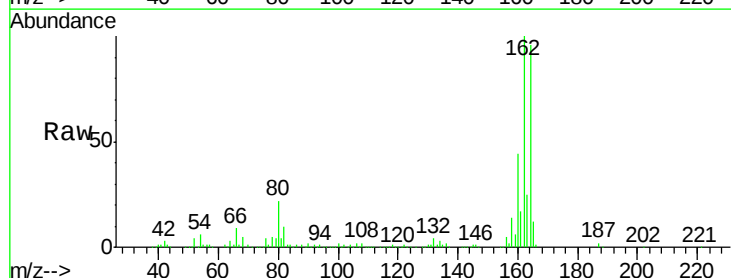
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 2.3 57.8 86.6#

182 0.0 1.6 2.4#

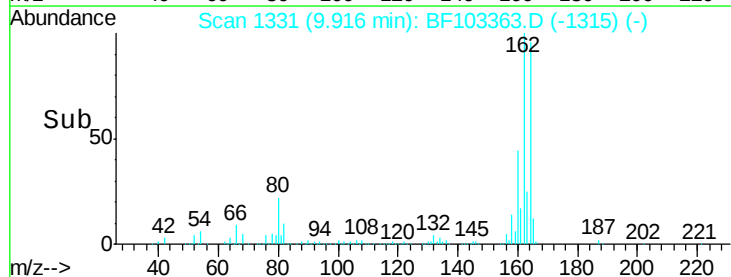
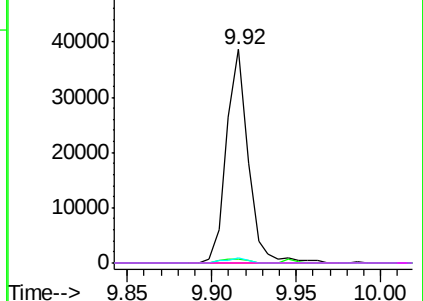


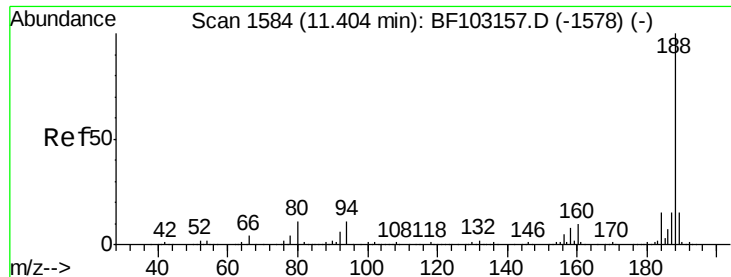
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-C

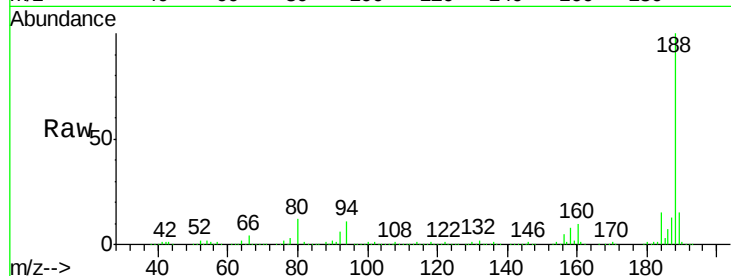
Tot Ion:188 Resp: 415480

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

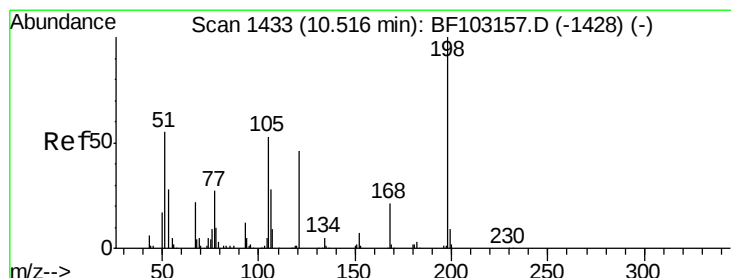
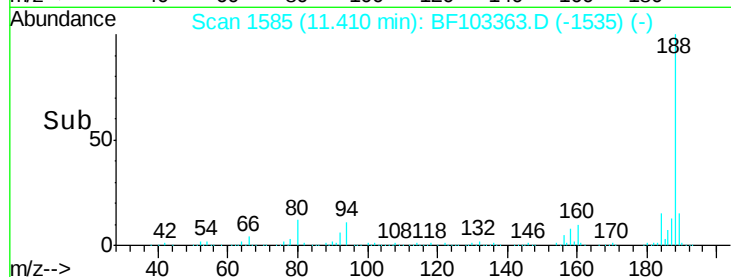
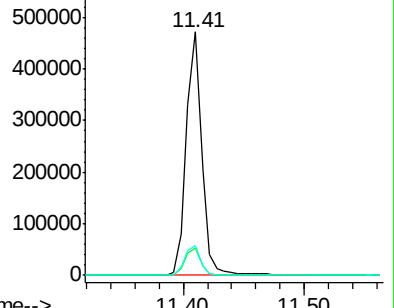
80 12.4 9.2 13.8



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: 5.107 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.17 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

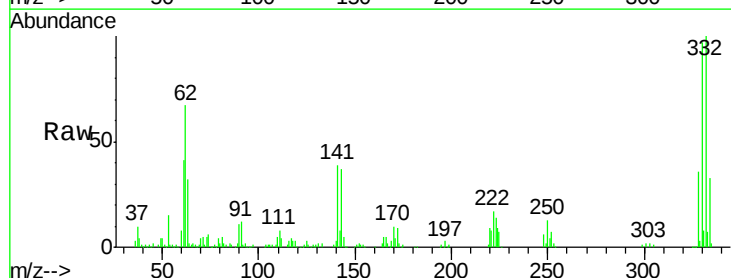
Tgt Ion:198 Resp: 457

Ion Ratio Lower Upper

198 100

51 290.0 37.7 77.7#

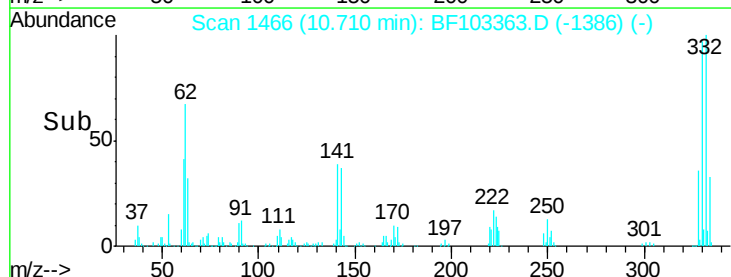
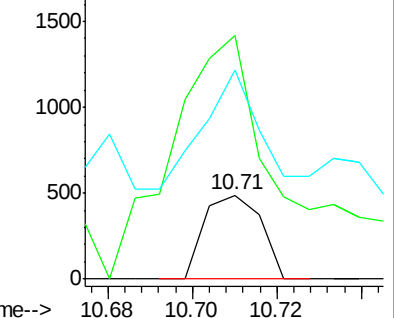
105 249.7 36.3 76.3#

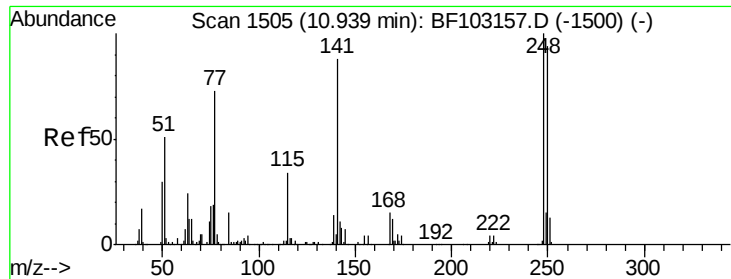


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

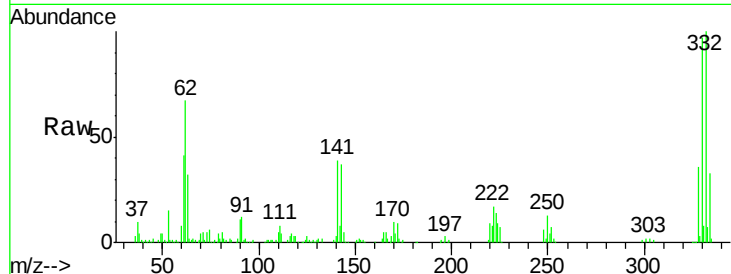




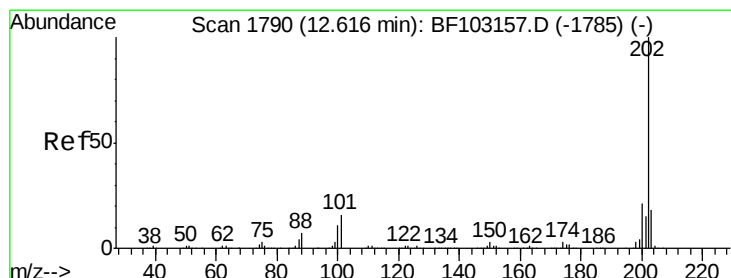
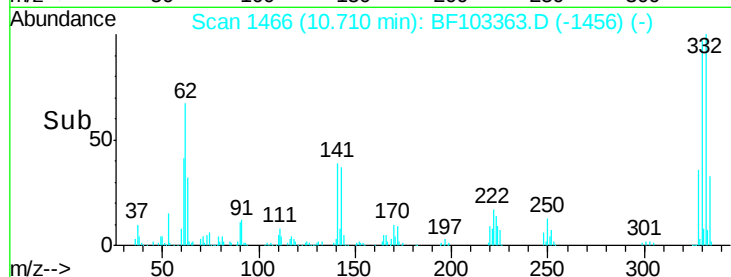
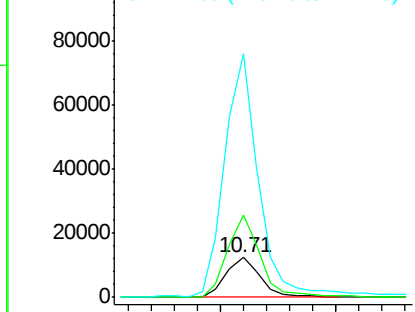
#66
 4-Bromophenyl-phenylether
 Concen: 2.916 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103363.D
 Acq: 2 Mar 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-C

Tot Ion:248 Resp: 12619
 Ion Ratio Lower Upper
 248 100
 250 205.3 76.9 115.3#
 141 609.5 74.4 111.6#

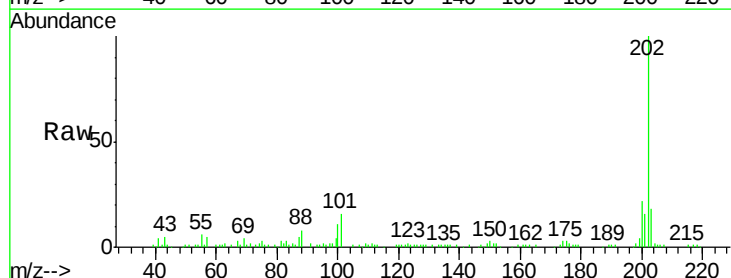


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

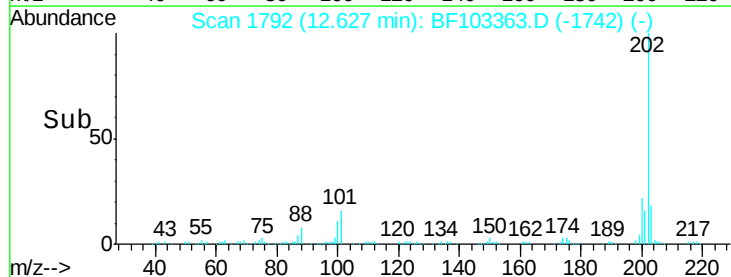
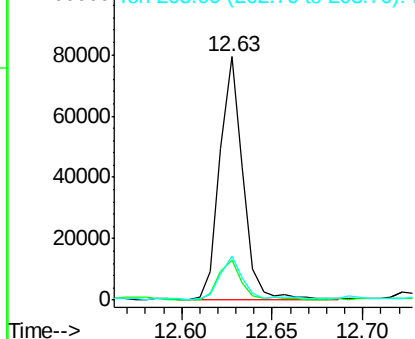


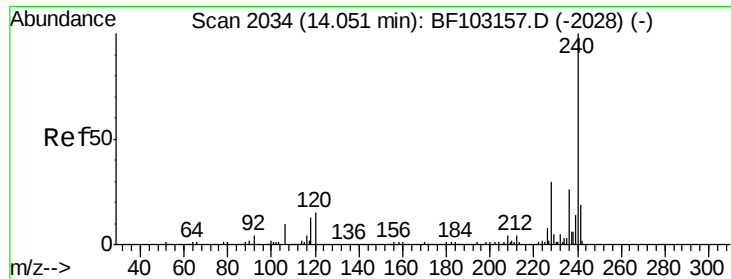
#74
 Fluoranthene
 Concen: 3.094 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103363.D
 Acq: 2 Mar 2018 13:44

Tgt Ion:202 Resp: 71097
 Ion Ratio Lower Upper
 202 100
 101 16.4 0.0 34.1
 203 18.0 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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-C

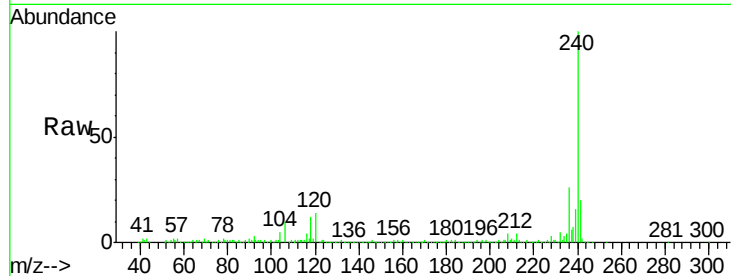
Tot Ion:240 Resp: 249272

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

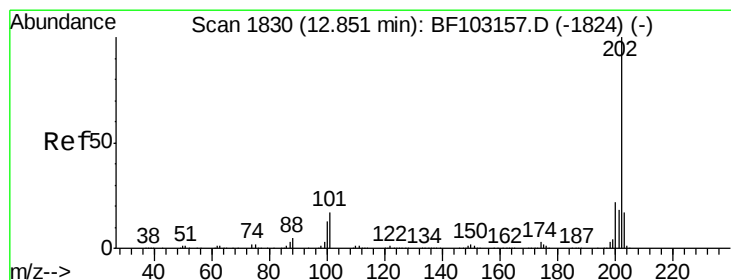
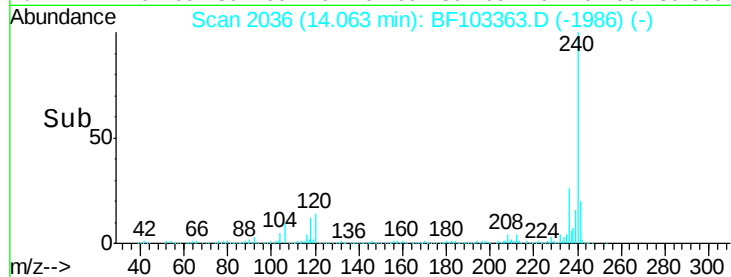
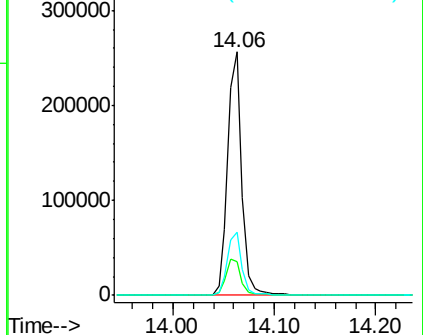
236 26.2 20.7 31.1



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: 3.334 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

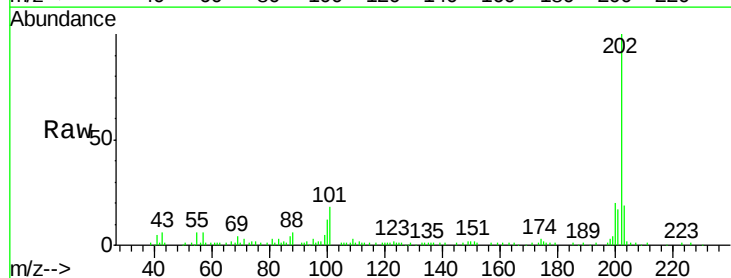
Tgt Ion:202 Resp: 64791

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

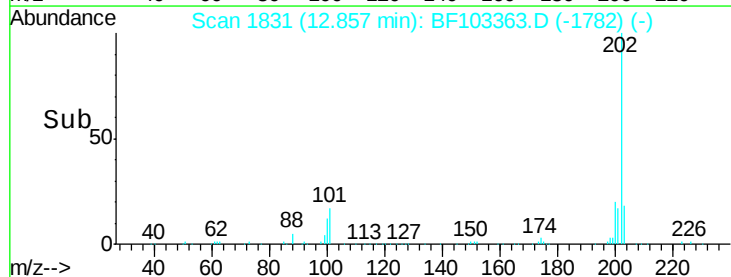
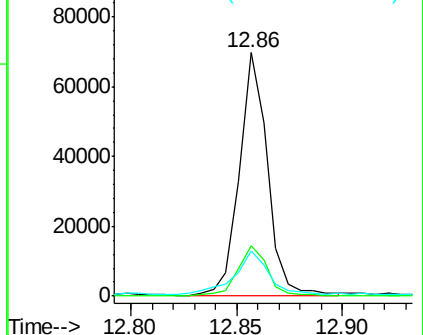
203 18.6 14.3 21.5

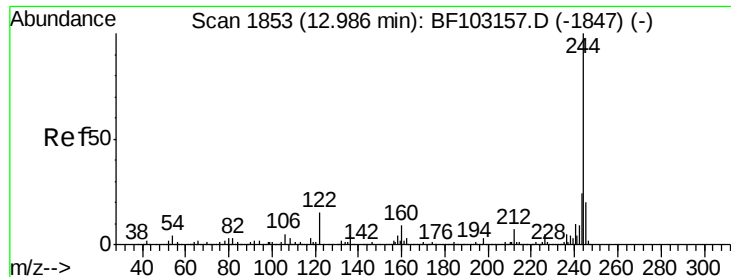


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.498 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-C

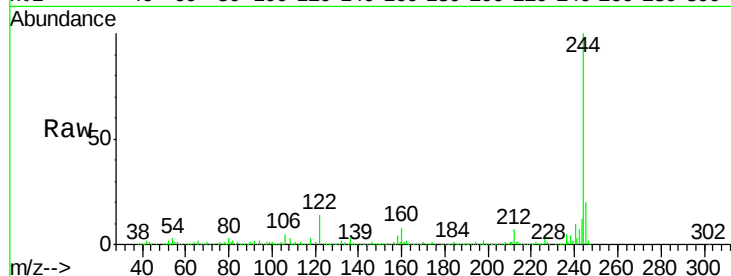
Tot Ion:244 Resp: 544387

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

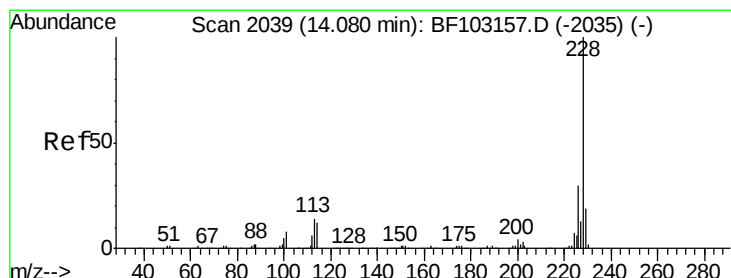
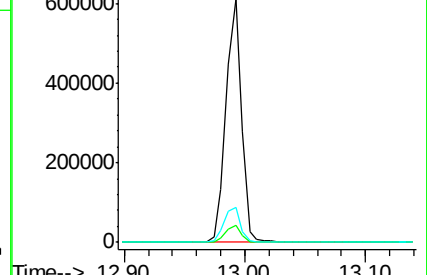
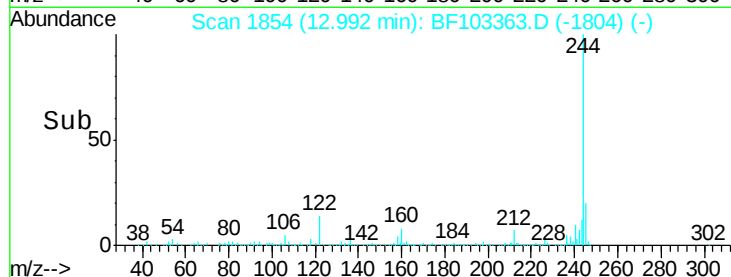
122 14.1 11.0 16.4



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



#82

Chrysene

Concen: 2.762 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

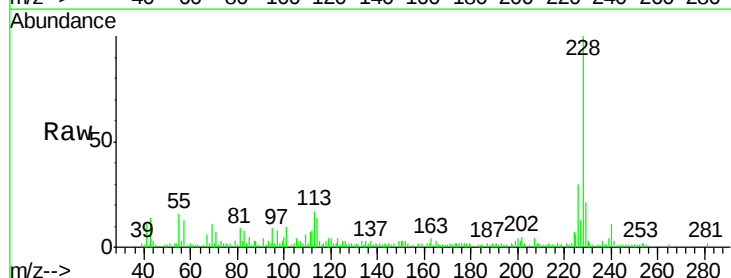
Tgt Ion:228 Resp: 43373

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

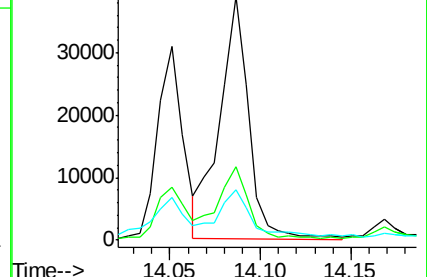
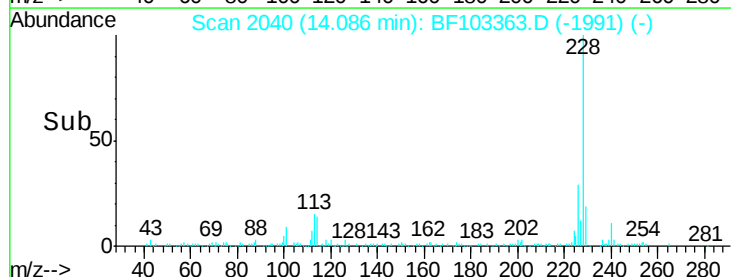
229 20.8 16.2 24.4

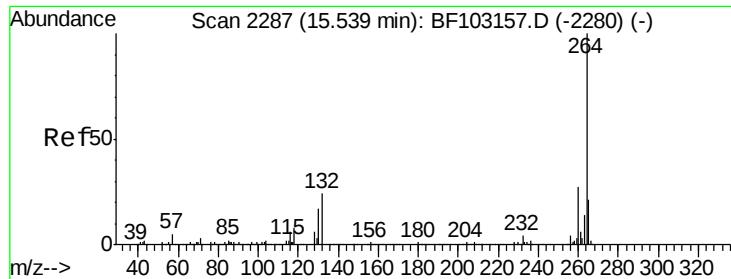


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

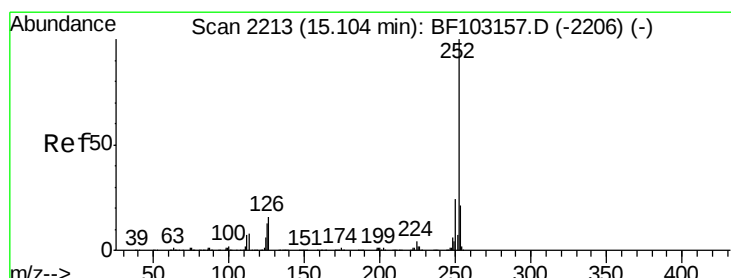
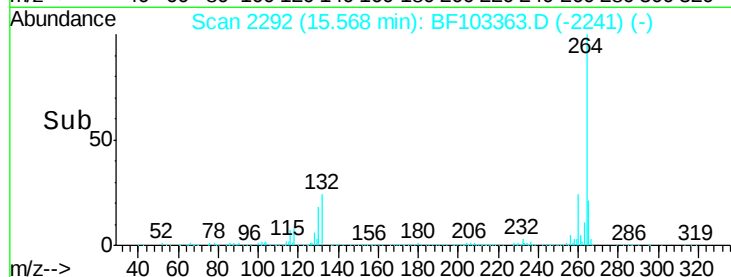
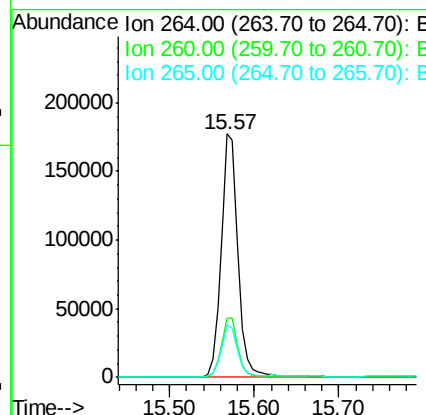
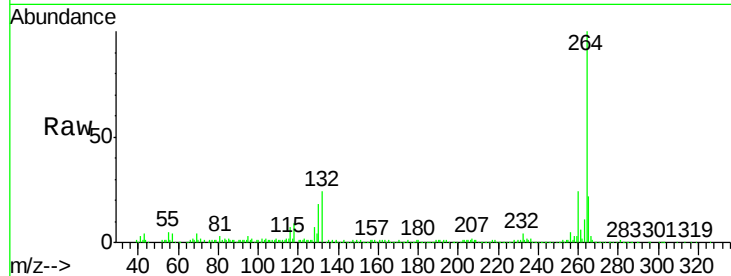




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

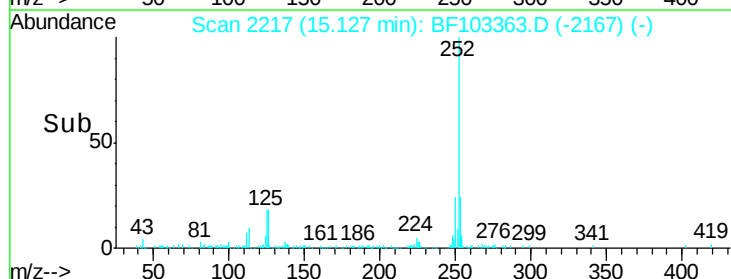
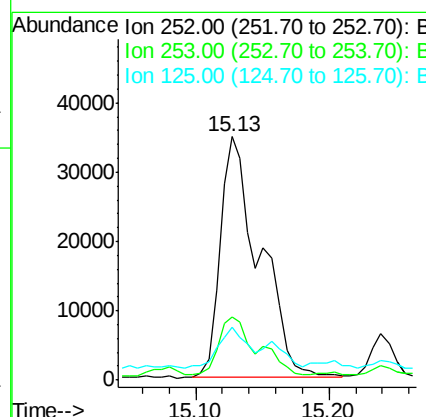
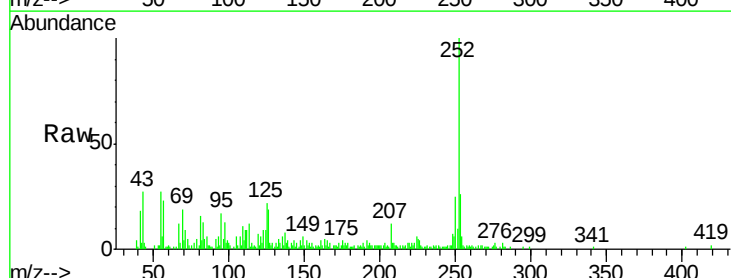
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-C

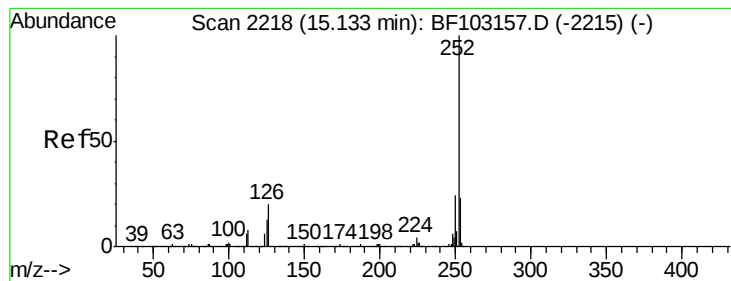
Tot Ion:264 Resp: 251169
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.344 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103363.D
Acq: 2 Mar 2018 13:44

Tgt Ion:252 Resp: 71734
Ion Ratio Lower Upper
252 100
253 25.8 17.0 25.6#
125 21.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 4.613 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-C

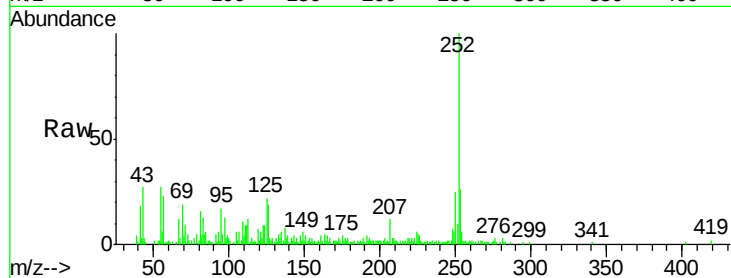
Tot Ion:252 Resp: 71734

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

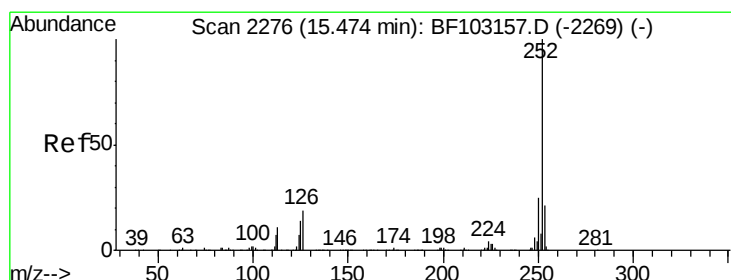
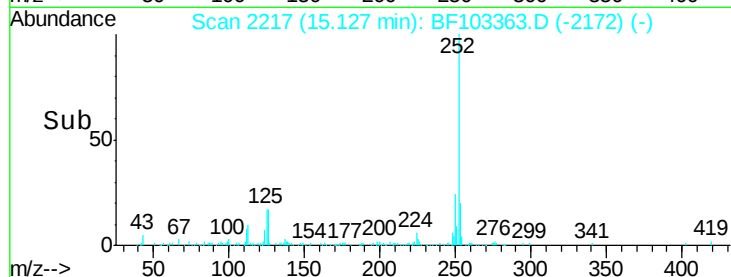
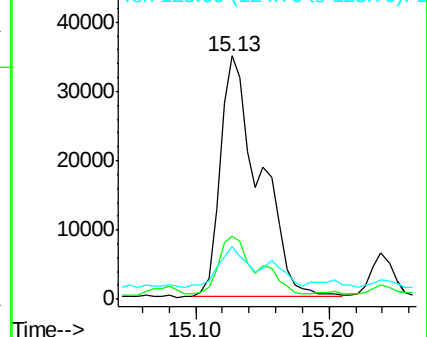
125 21.6 10.2 15.2#



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: 2.311 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF103363.D

Acq: 2 Mar 2018 13:44

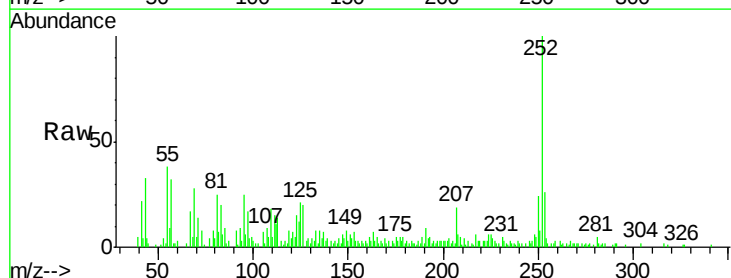
Tgt Ion:252 Resp: 34075

Ion Ratio Lower Upper

252 100

253 26.4 17.1 25.7#

125 21.1 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

