

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103429.D
 Acq On : 6 Mar 2018 00:27
 Operator : SJ/JU
 Sample : J1723-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 01:11:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	125364	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	507843	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	204577	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	302477	20.00	ng	0.00
75) Chrysene-d12	14.06	240	192590	20.00	ng	0.00
86) Perylene-d12	15.57	264	139274	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	627879	75.75	ng	0.00
7) Phenol-d6	6.51	99	790282	77.92	ng	-0.01
23) Nitrobenzene-d5	7.44	82	448291	50.41	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	89653	51.77	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	676803	51.69	ng	0.00
78) Terphenyl-d14	12.99	244	469269	58.57	ng	0.00

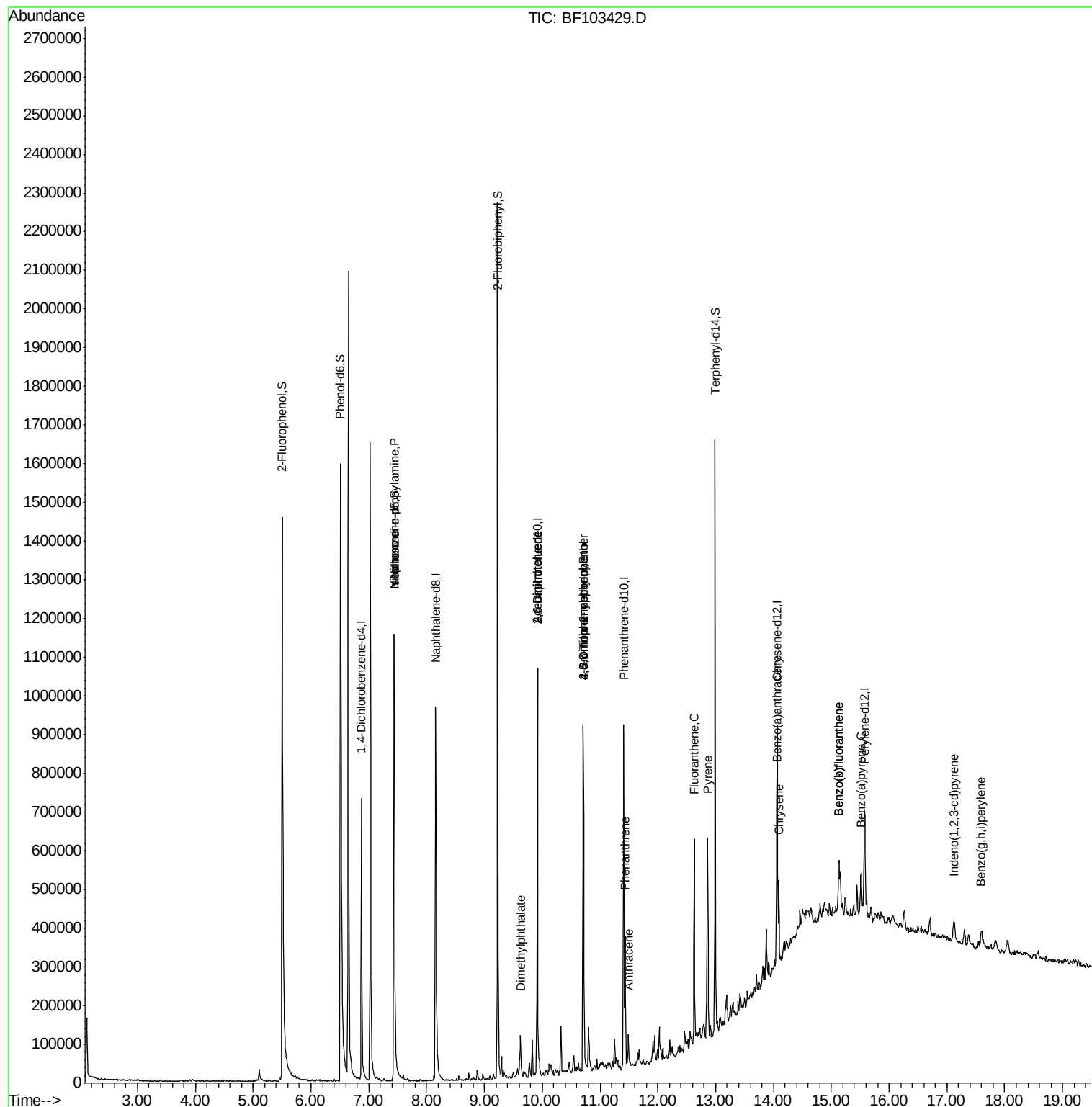
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	2063	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	60342	9.559	ng	85
25) Isophorone	7.44	82	448291	25.596	ng	64
49) Dimethylphthalate	9.62	163	40953	2.495	ng	99
50) 2,6-Dinitrotoluene	9.92	165	27012	7.843	ng	26
56) 2,4-Dinitrotoluene	9.92	165	27012	6.201	ng	23
64) 4,6-Dinitro-2-methylphenol	10.71	198	126	5.007	ng	1
66) 4-Bromophenyl-phenylether	10.71	248	6422	2.038	ng	1
70) Phenanthrene	11.43	178	112114	6.735	ng	98
71) Anthracene	11.49	178	36229	2.122	ng	95
74) Fluoranthene	12.63	202	204450	12.222	ng	98
77) Pyrene	12.86	202	206120	13.727	ng	100
80) Benzo(a)anthracene	14.05	228	85640	6.853	ng	99
82) Chrysene	14.09	228	83121	6.851	ng	97
85) Indeno(1,2,3-cd)pyrene	17.13	276	31086	3.236	ng	97
87) Benzo(b)fluoranthene	15.13	252	107015	11.687	ng	# 86
88) Benzo(k)fluoranthene	15.13	252	107015	12.411	ng	# 89
89) Benzo(a)pyrene	15.52	252	55280	6.760	ng	# 89
91) Benzo(a,h,i)perylene	17.60	276	30618	4.958	ng	# 82

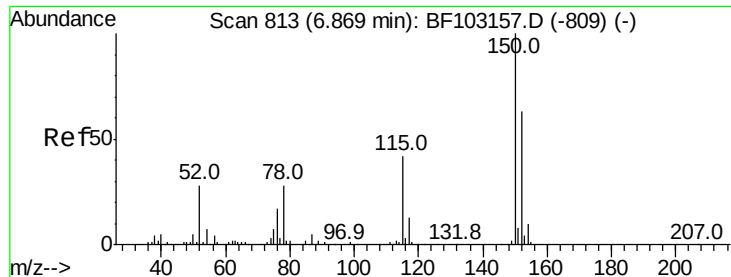
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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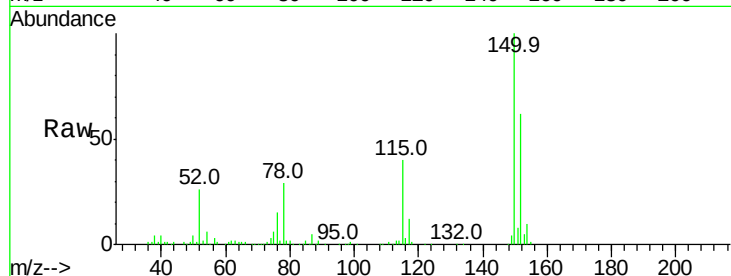


#1

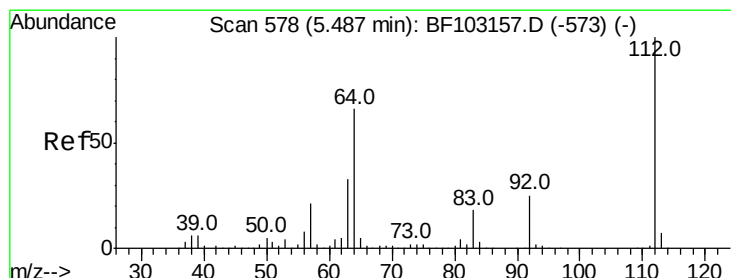
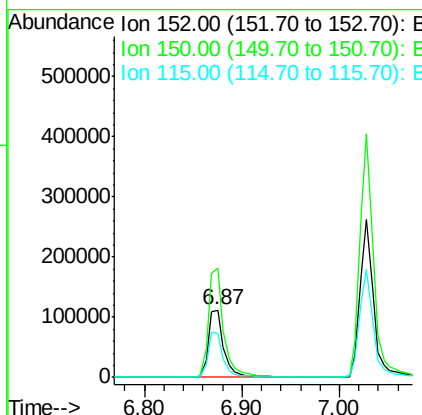
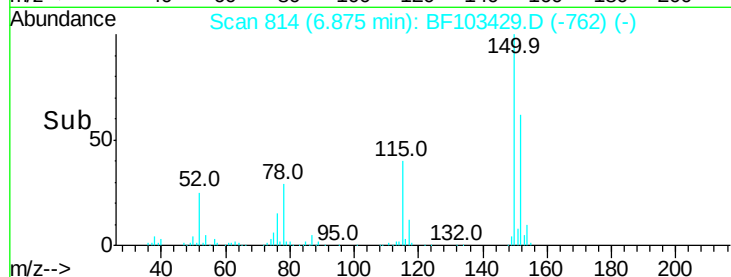
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 125364
Ion Ratio Lower Upper
152 100
150 161.4 124.6 186.8
115 64.7 50.1 75.1



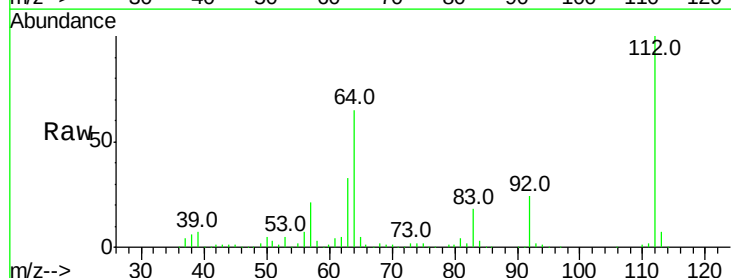
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



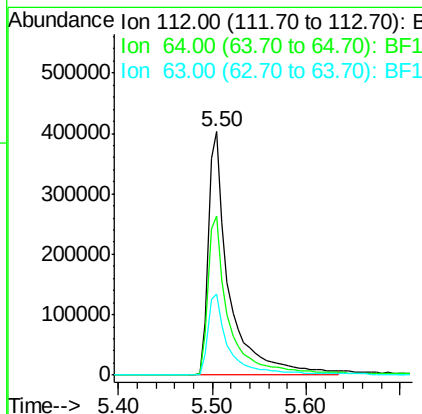
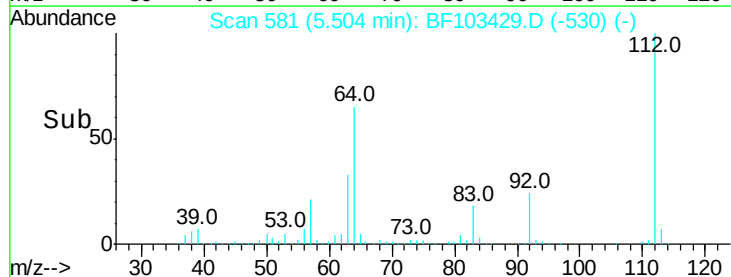
#5

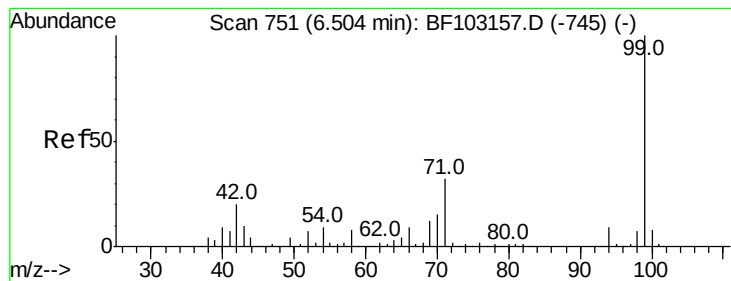
2-Fluorophenol
Concen: 75.749 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Tgt Ion:112 Resp: 627879
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 33.5 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: 77.916 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Instrument :

BNA_F

ClientSampleId :

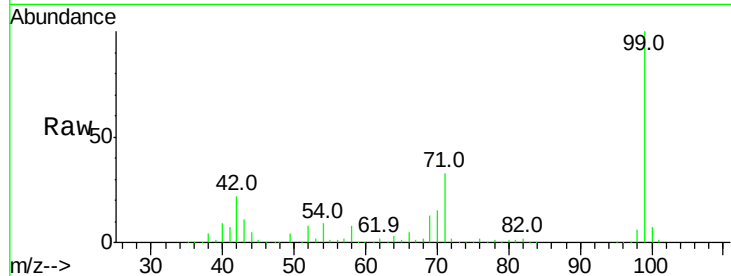
Tot Ion: 99 Resp: 790282

Ion Ratio Lower Upper

99 100

42 22.2 14.5 21.7#

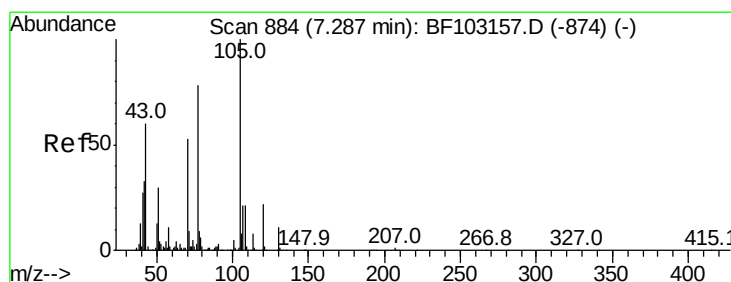
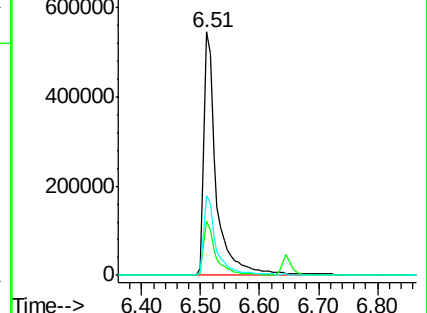
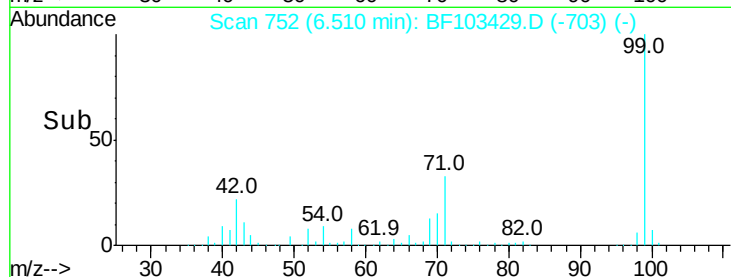
71 33.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.559 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Tgt Ion: 70 Resp: 60342

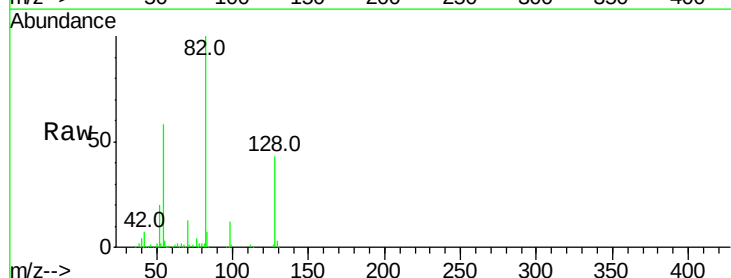
Ion Ratio Lower Upper

70 100

42 56.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.5 16.6 25.0#

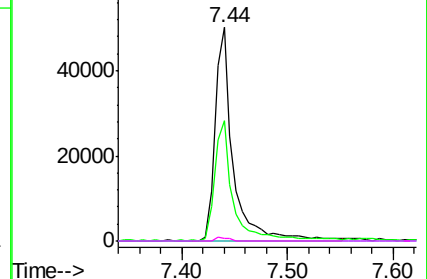
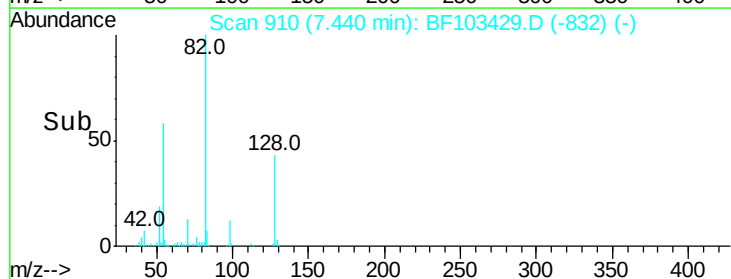


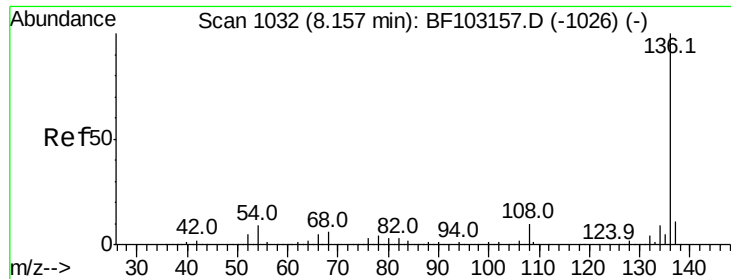
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

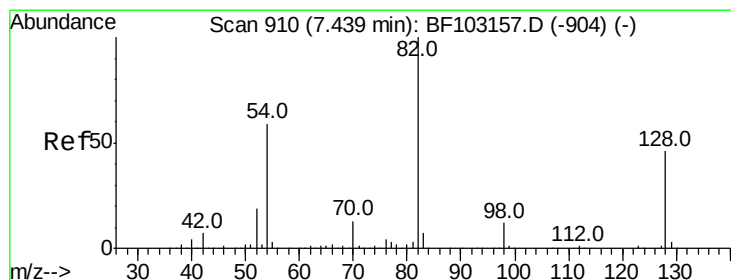
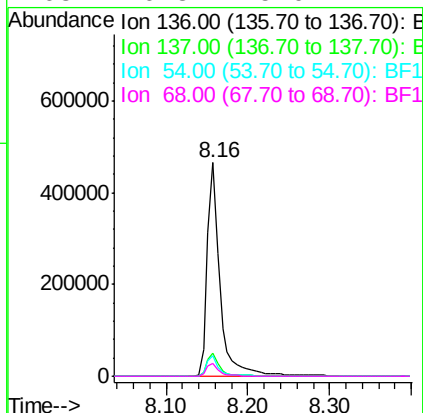
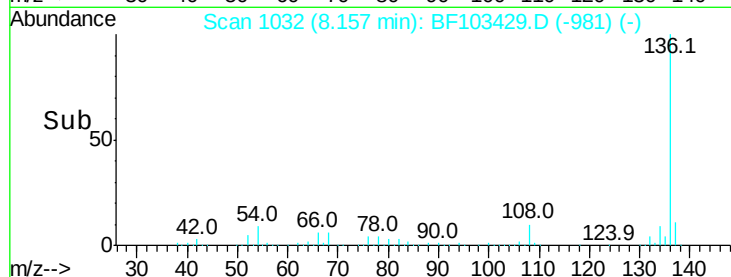
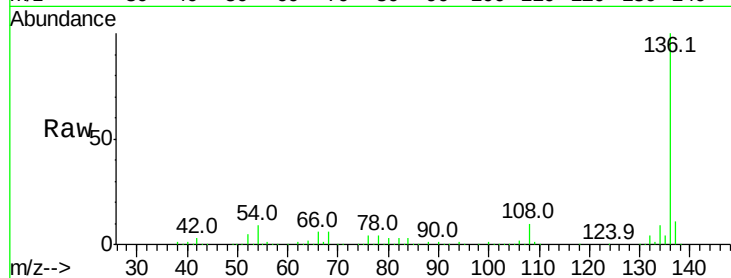




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

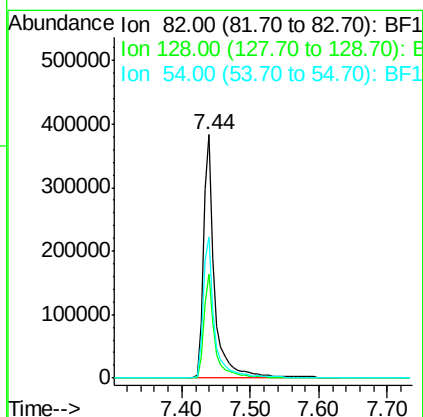
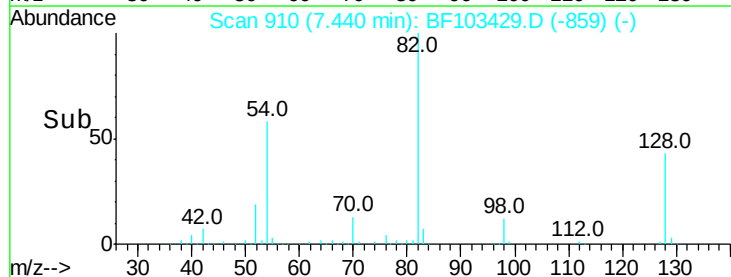
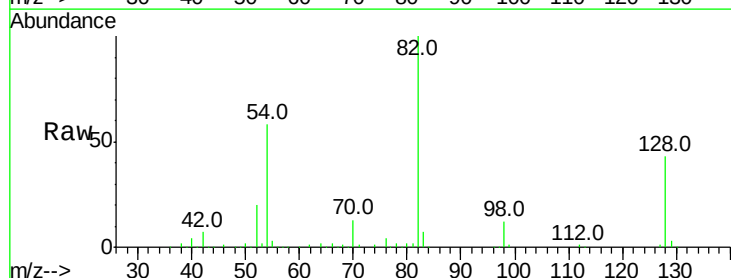
Instrument :
BNA_F
ClientSampleId :

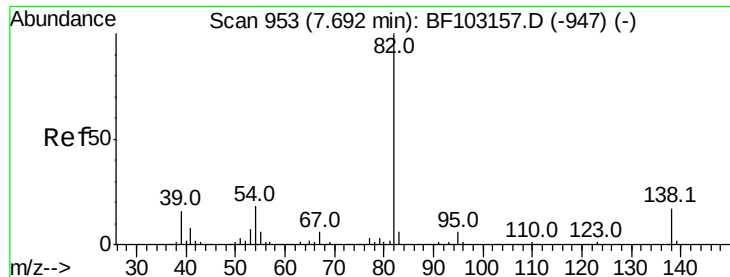
Tot Ion:	136	Resp:	507843
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	6.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 50.412 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Tgt Ion:	82	Resp:	448291
Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	58.2	41.4	62.2





#25

Isophorone

Concen: 25.596 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Instrument :

BNA_F

ClientSampleId :

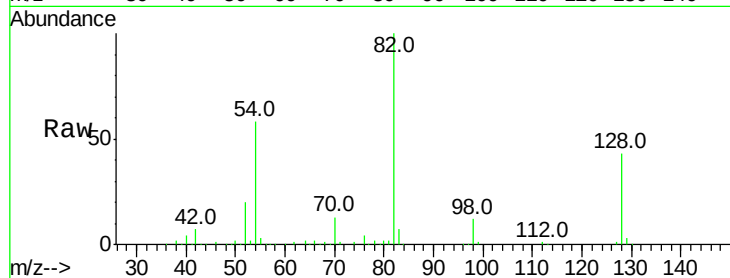
Tot Ion: 82 Resp: 448291

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

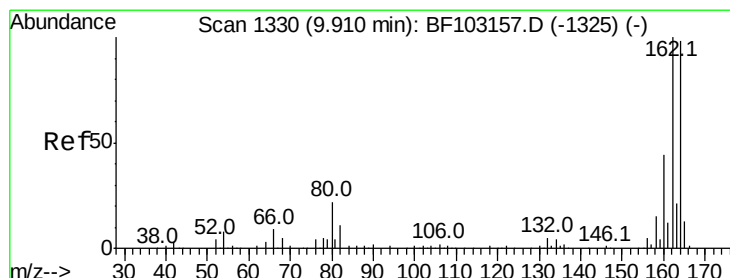
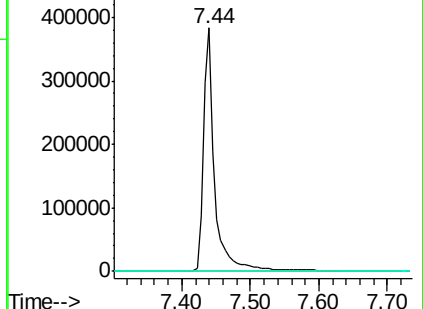
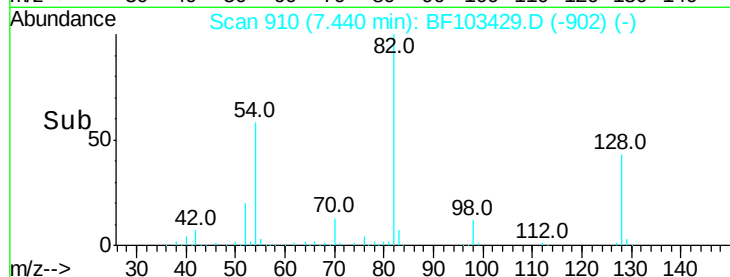
138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

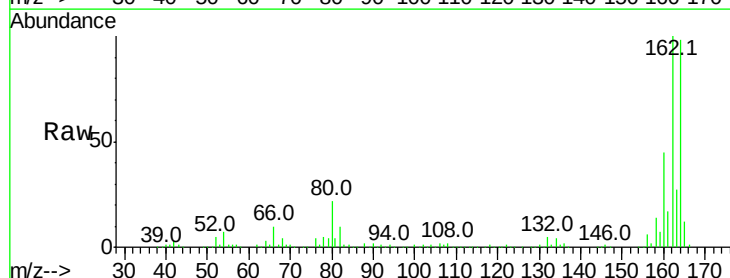
Tgt Ion:164 Resp: 204577

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

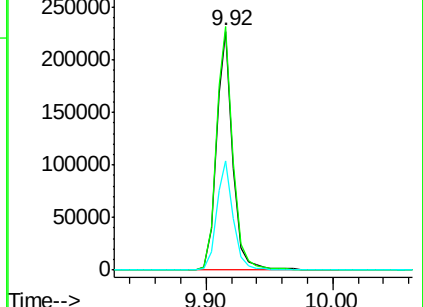
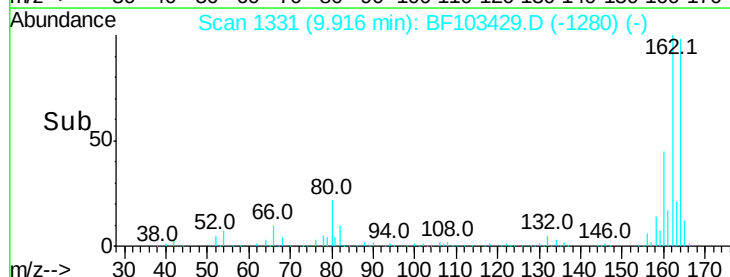
160 45.6 38.3 57.5

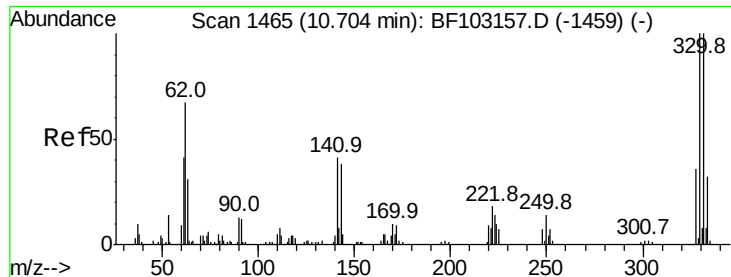


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

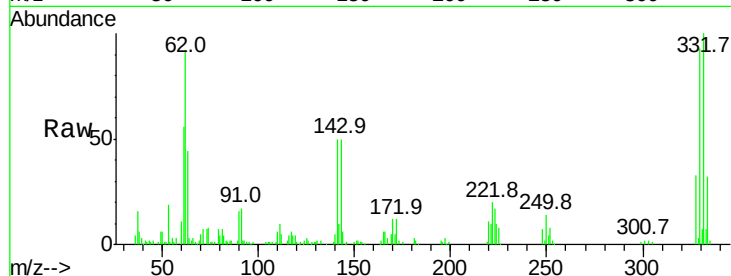




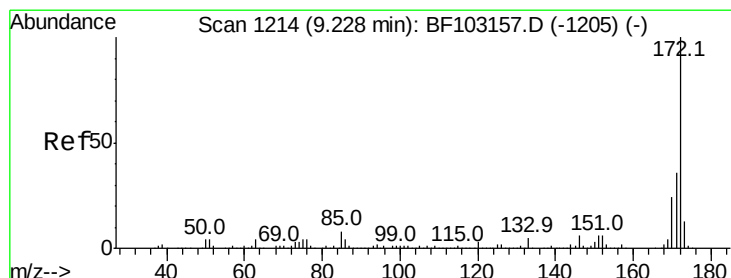
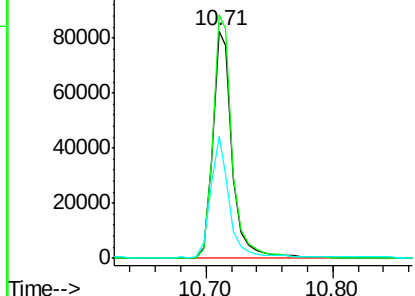
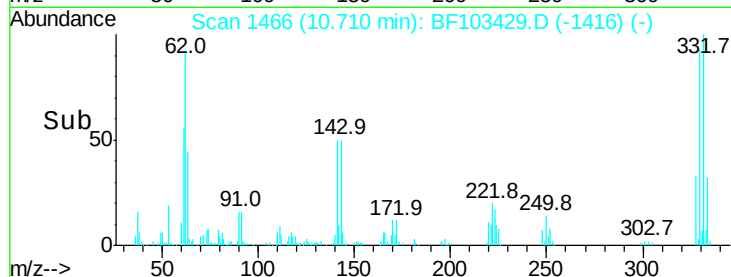
#41
 2,4,6-Tribromophenol
 Concen: 51.774 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103429.D
 Acq: 6 Mar 2018 00:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 89653
 Ion Ratio Lower Upper
 330 100
 332 105.9 77.0 115.6
 141 52.3 29.9 44.9#

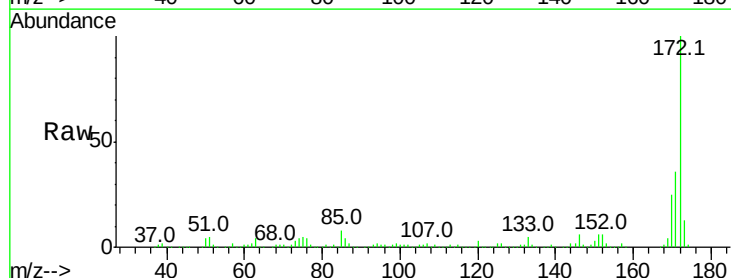


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

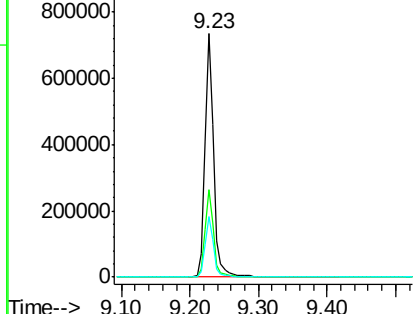
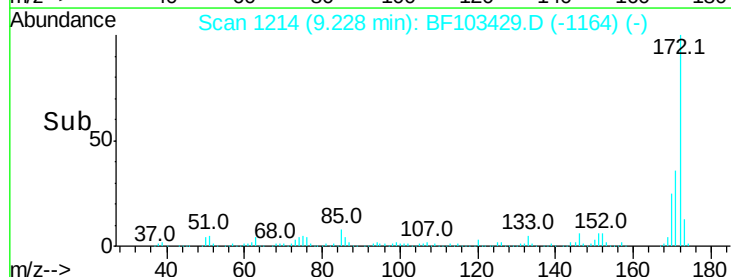


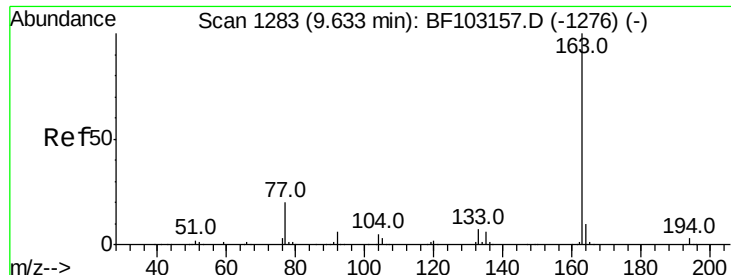
#44
 2-Fluorobiphenyl
 Concen: 51.691 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103429.D
 Acq: 6 Mar 2018 00:27

Tgt Ion:172 Resp: 676803
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.7 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

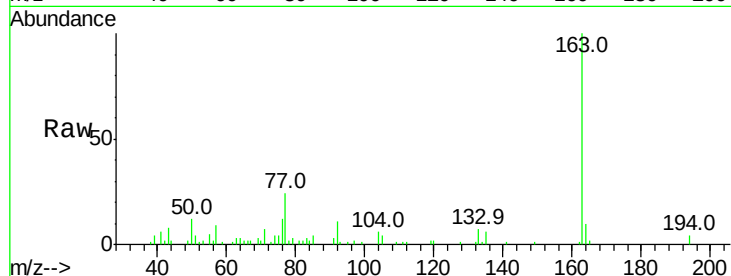




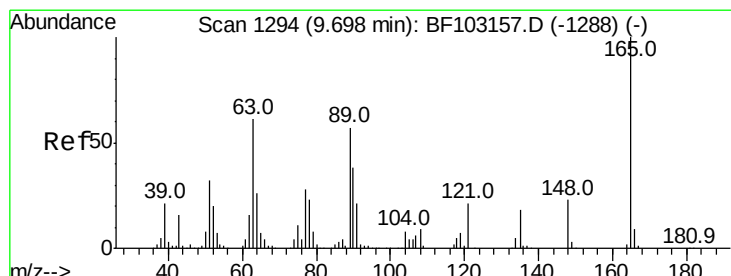
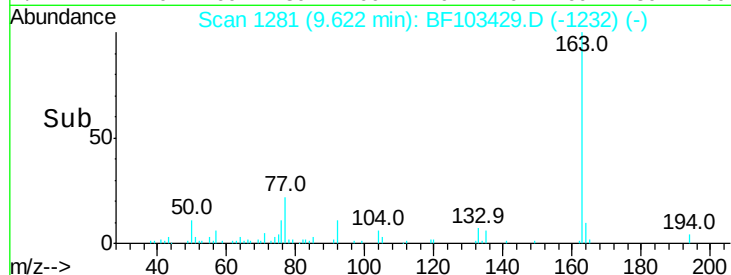
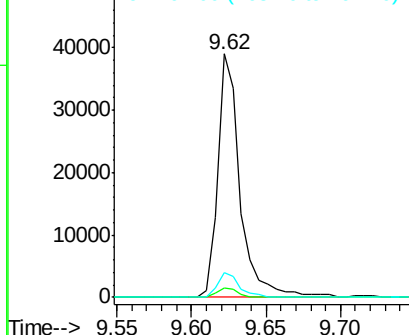
#49
Dimethylphthalate
Concen: 2.495 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 40953
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.0 8.2 12.2

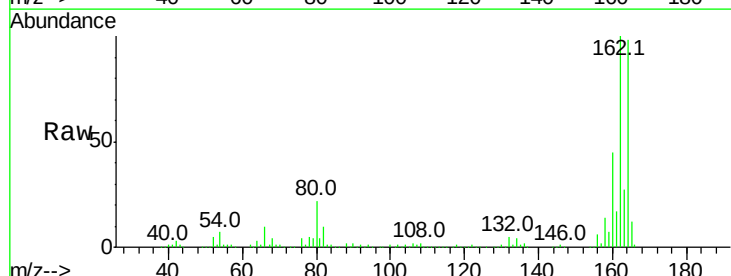


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

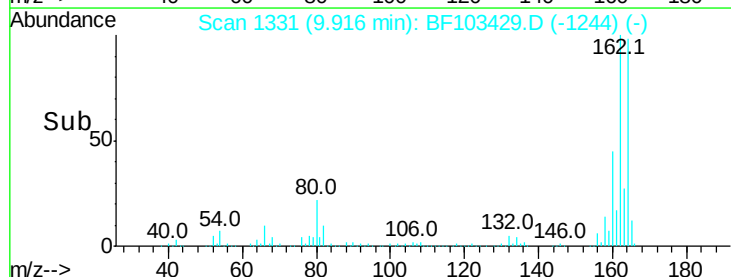
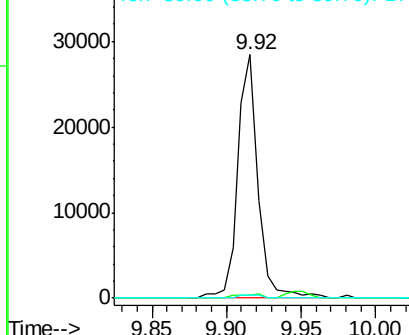


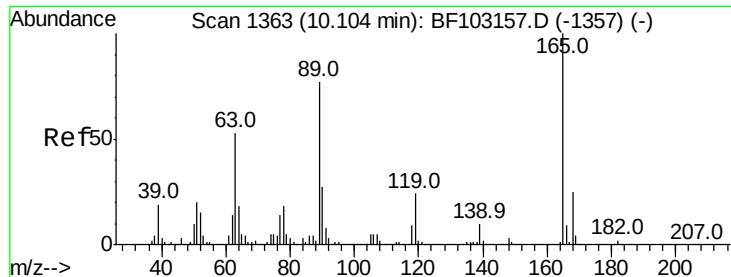
#50
2,6-Dinitrotoluene
Concen: 7.843 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Tgt Ion:165 Resp: 27012
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.4 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: 6.201 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.20 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 27012

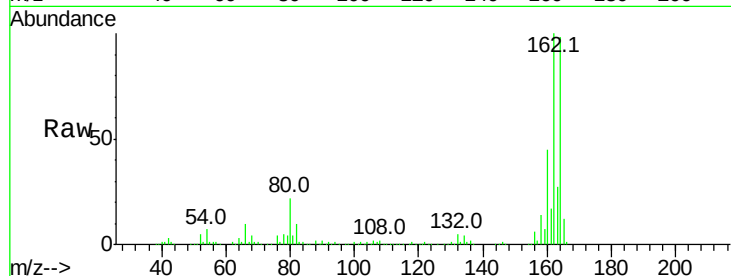
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

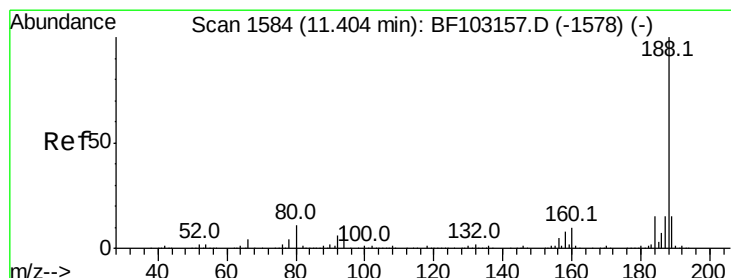
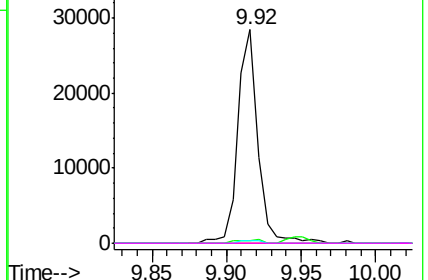
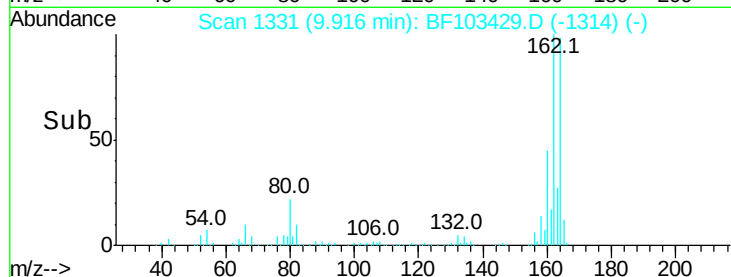


Abundance Ion 165.00 (164.70 to 165.70): E

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. 0.00 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

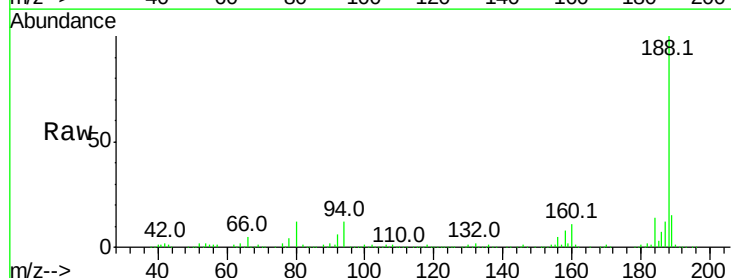
Tgt Ion:188 Resp: 302477

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

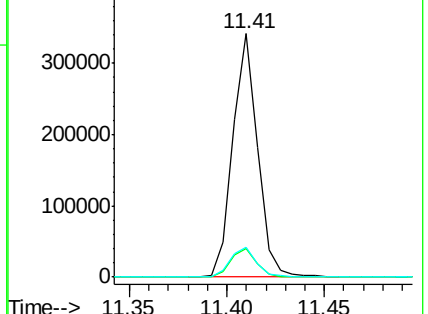
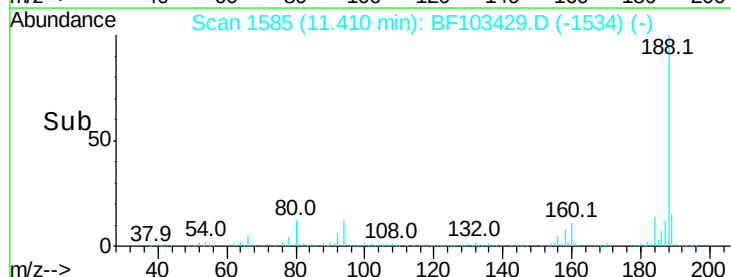
80 12.4 9.2 13.8

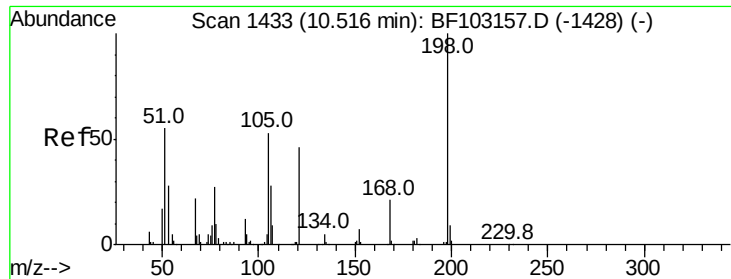


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.007 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Instrument :

BNA_F

ClientSampled :

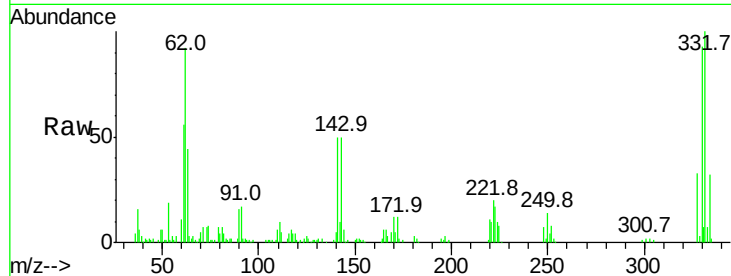
Tot Ion:198 Resp: 126

Ion Ratio Lower Upper

198 100

51 236.2 37.7 77.7#

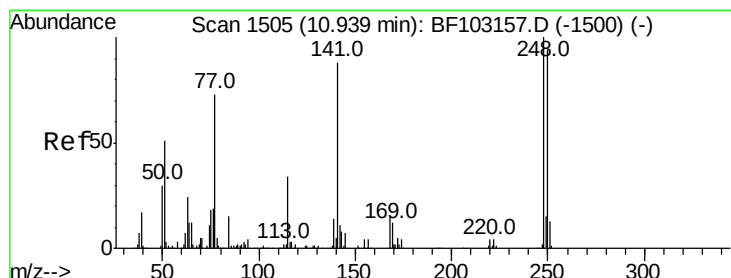
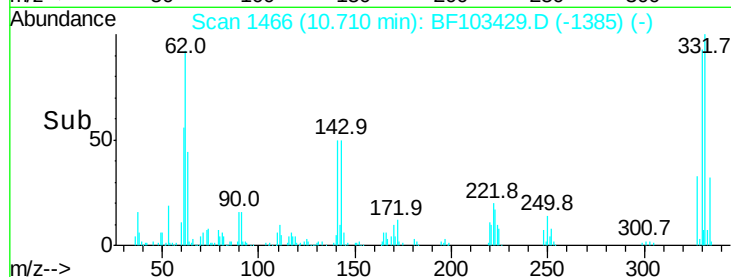
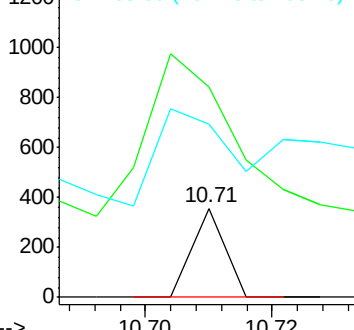
105 195.2 36.3 76.3#



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: 2.038 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

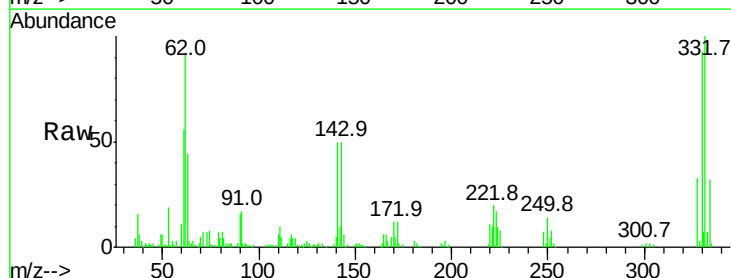
Tgt Ion:248 Resp: 6422

Ion Ratio Lower Upper

248 100

250 198.0 76.9 115.3#

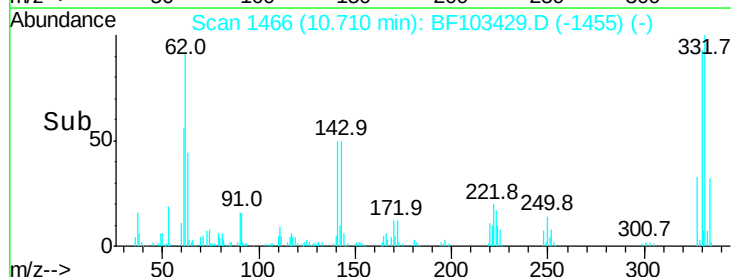
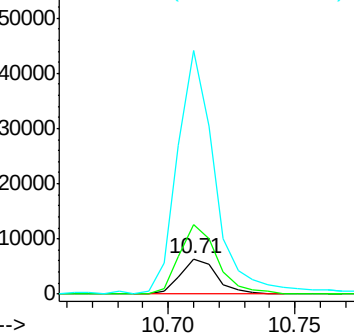
141 689.1 74.4 111.6#

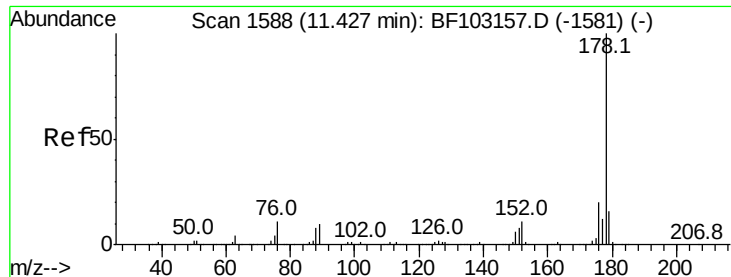


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

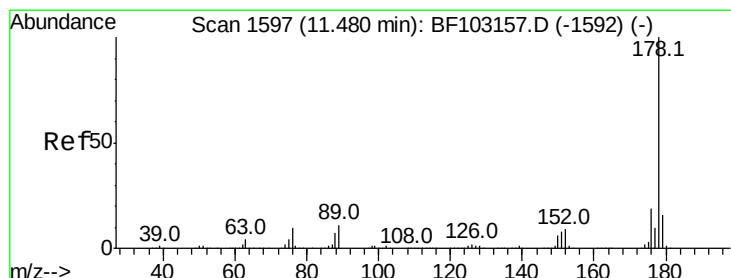
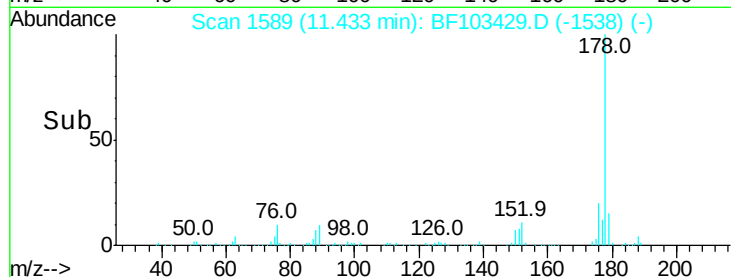
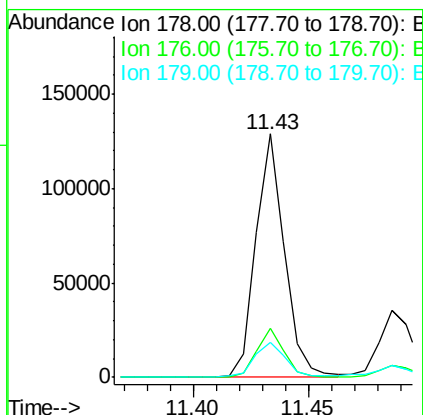
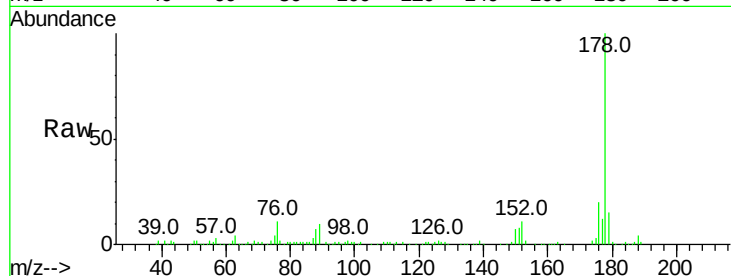




#70
 Phenanthrene
 Concen: 6.735 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103429.D
 Acq: 6 Mar 2018 00:27

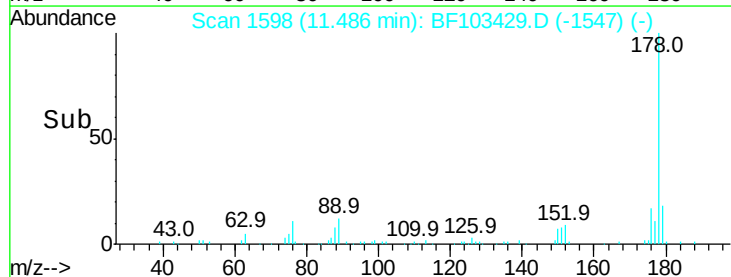
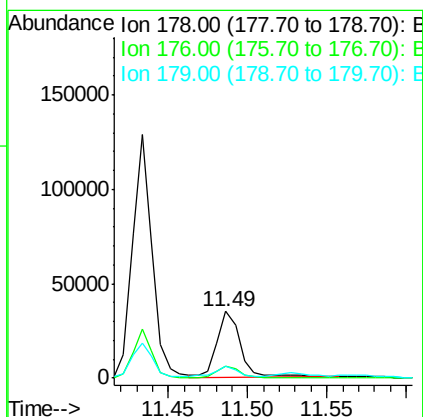
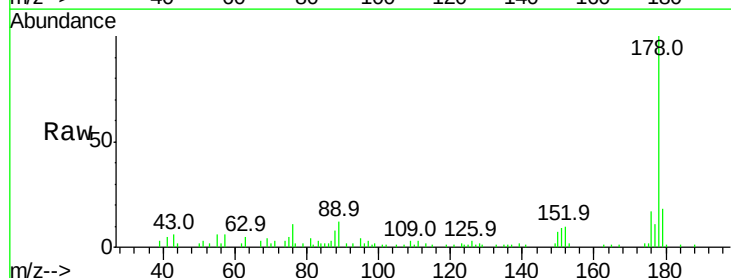
Instrument :
 BNA_F
 ClientSampleId :

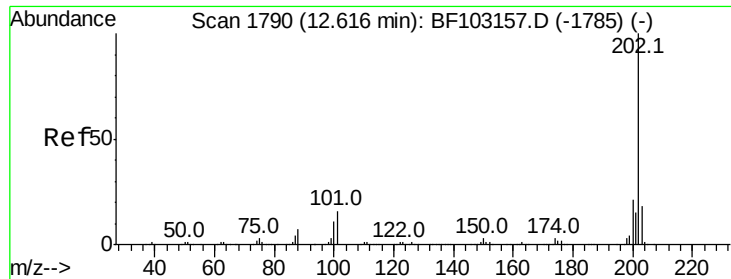
Tot Ion:178 Resp: 112114
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 14.6 13.0 19.6



#71
 Anthracene
 Concen: 2.122 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103429.D
 Acq: 6 Mar 2018 00:27

Tgt Ion:178 Resp: 36229
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.4 23.2
 179 17.8 12.6 19.0





#74

Fluoranthene

Concen: 12.222 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Instrument :

BNA_F

ClientSampleId :

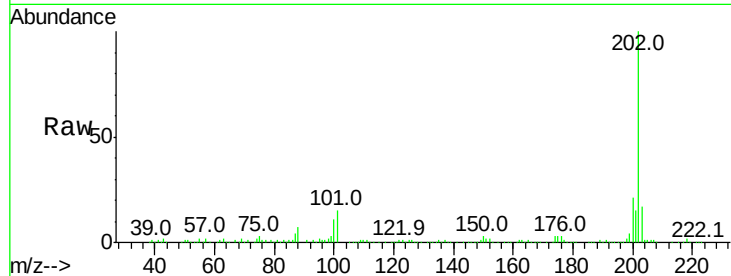
Tot Ion:202 Resp: 204450

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

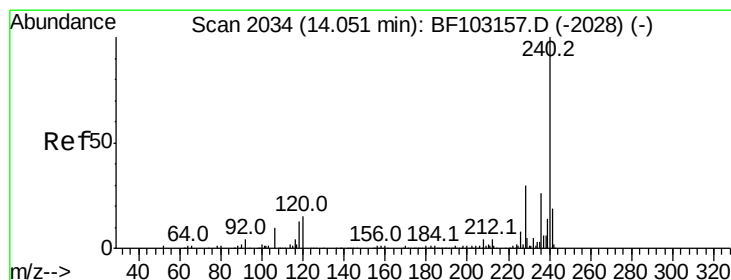
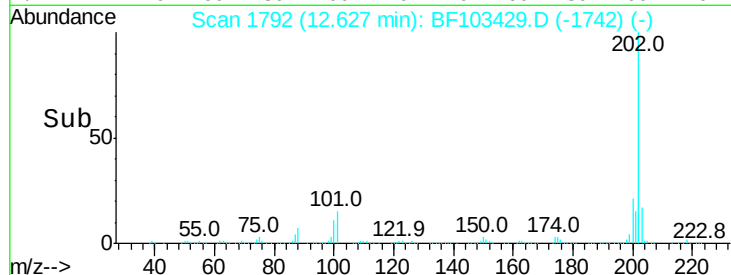
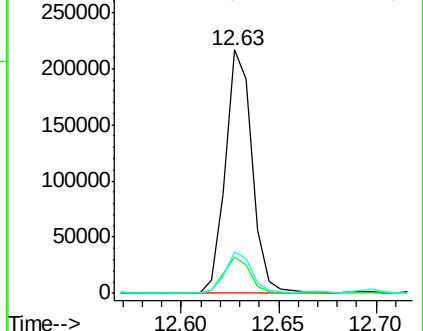
203 17.1 0.0 38.1



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: BF103429.D

Acq: 6 Mar 2018 00:27

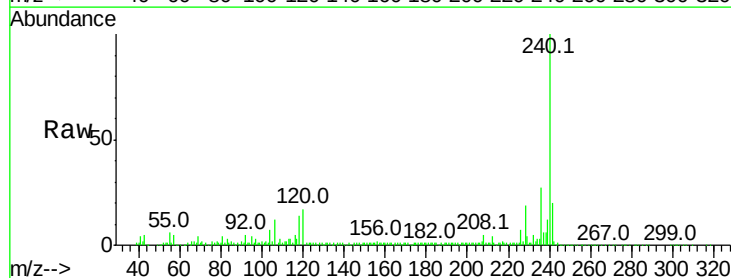
Tgt Ion:240 Resp: 192590

Ion Ratio Lower Upper

240 100

120 16.7 9.5 14.3#

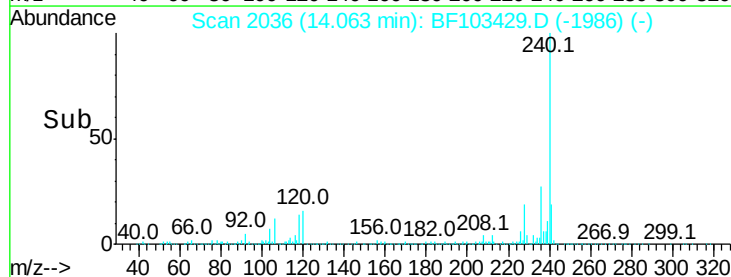
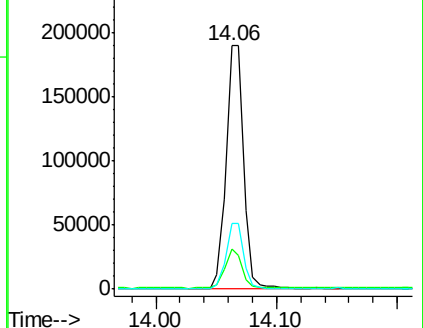
236 26.9 20.7 31.1

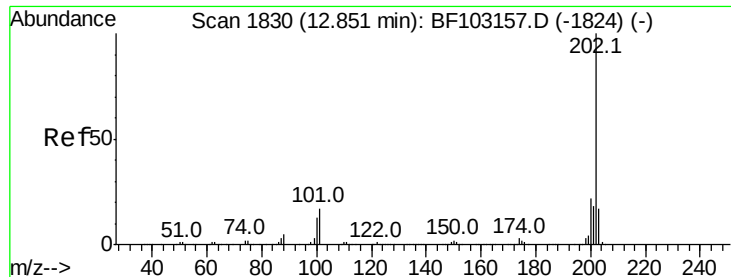


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.727 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Instrument :

BNA_F

ClientSampled :

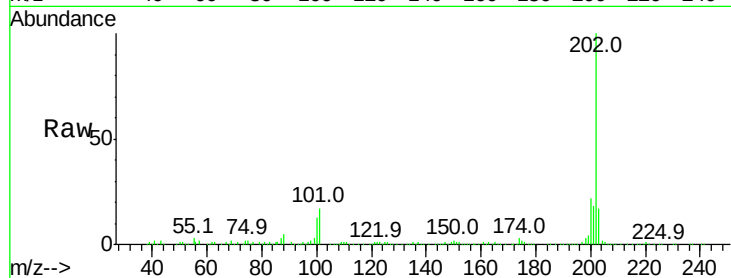
Tot Ion:202 Resp: 206120

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

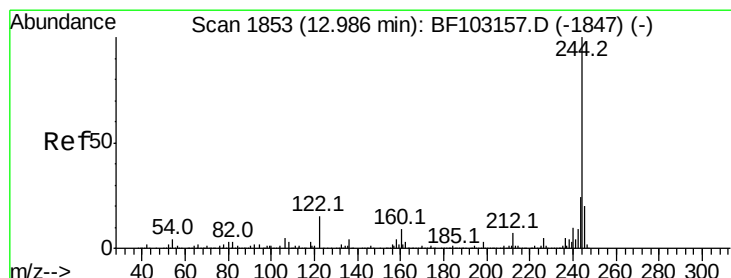
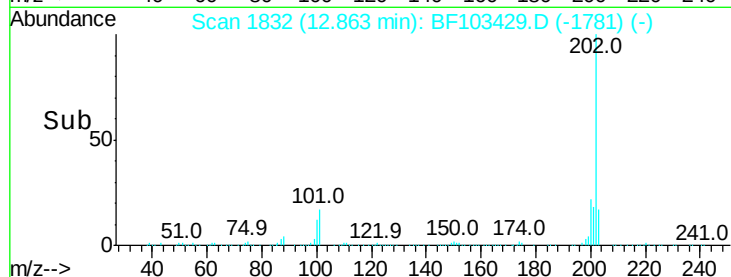
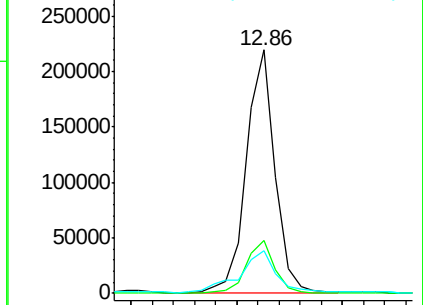
203 17.5 14.3 21.5



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: 58.573 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

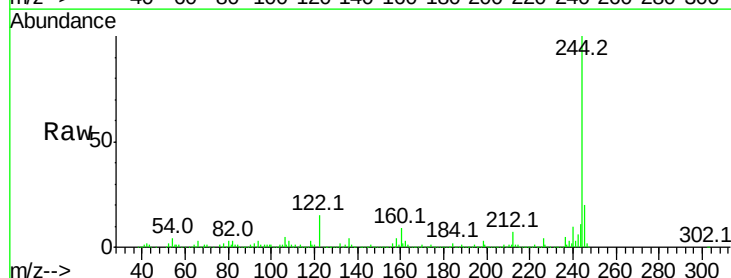
Tgt Ion:244 Resp: 469269

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

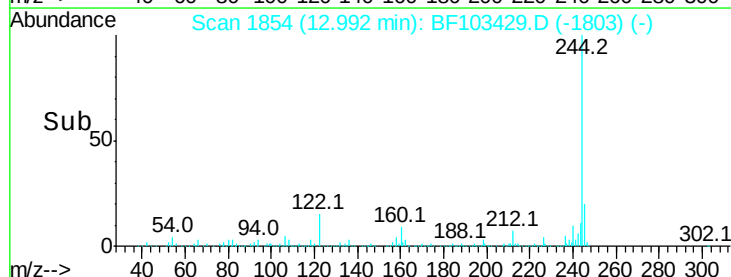
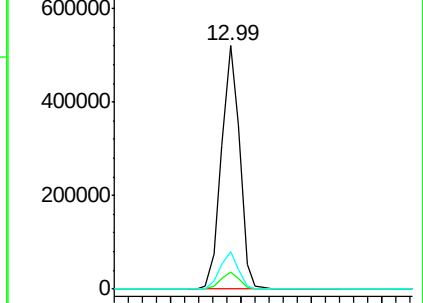
122 15.4 11.0 16.4

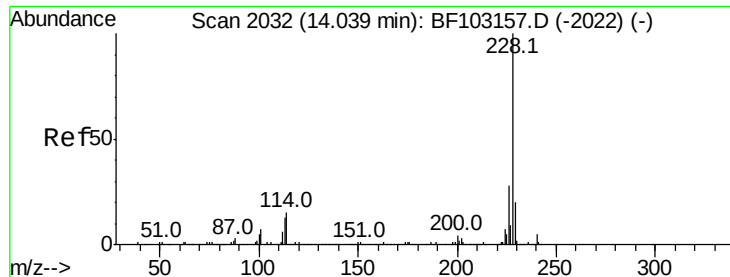


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

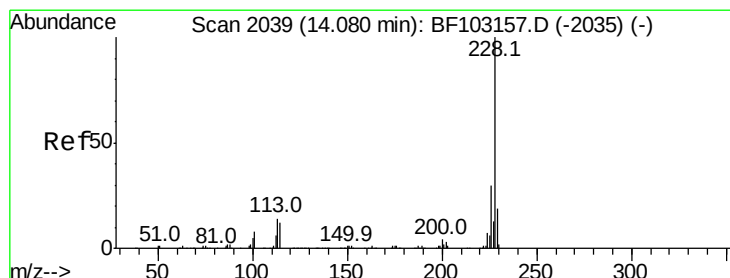
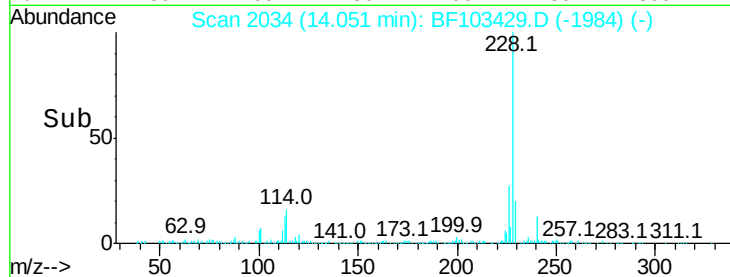
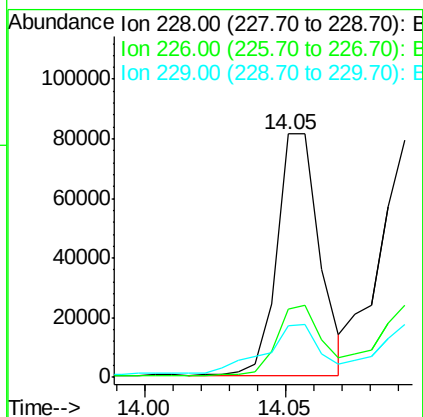
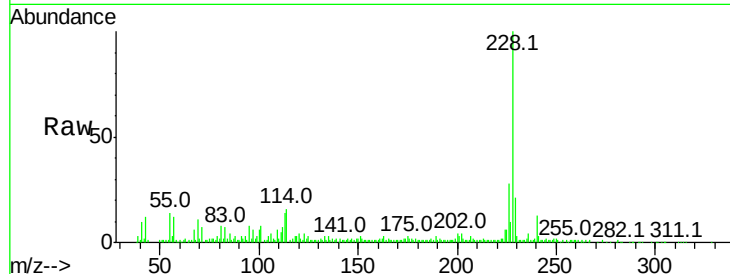




#80
Benzo(a)anthracene
Concen: 6.853 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

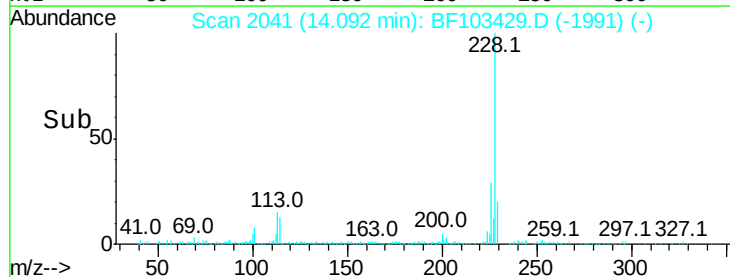
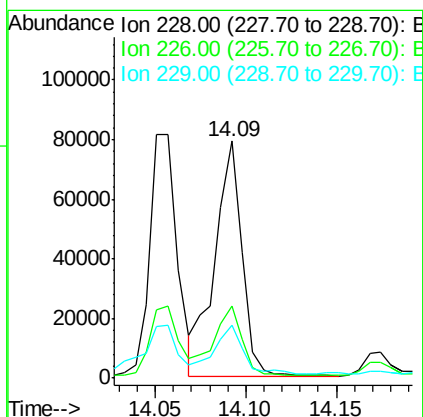
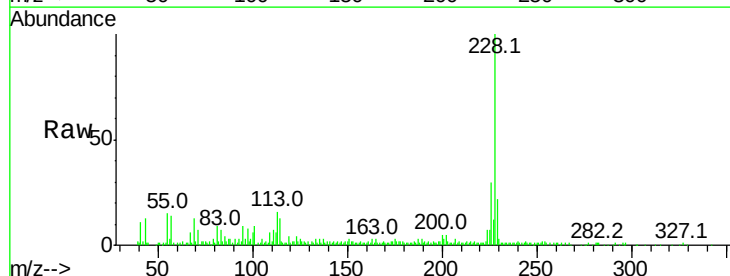
Instrument :
BNA_F
ClientSampled :

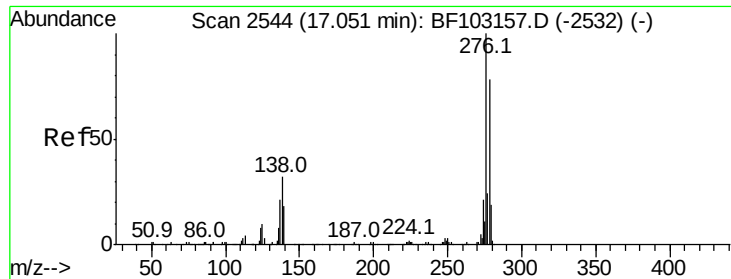
Tot Ion:228 Resp: 85640
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 21.0 15.8 23.6



#82
Chrysene
Concen: 6.851 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Tgt Ion:228 Resp: 83121
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.236 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

Instrument :

BNA_F

ClientSampleId :

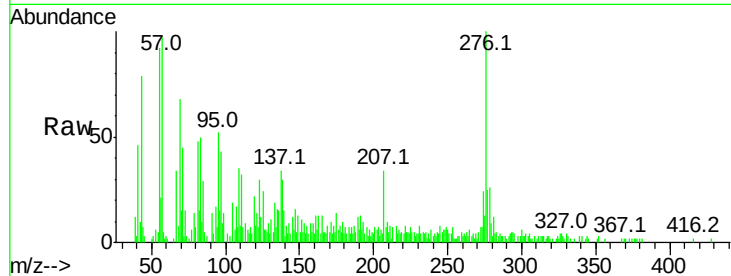
Tot Ion:276 Resp: 31086

Ion Ratio Lower Upper

276 100

138 29.9 25.0 37.6

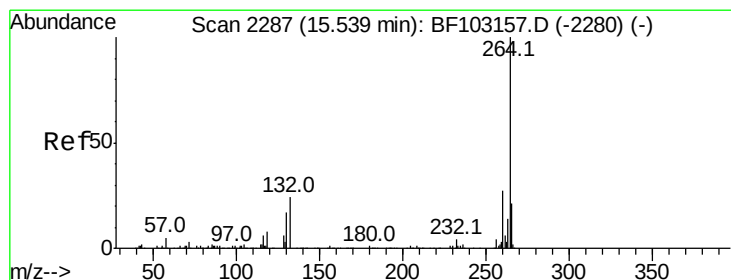
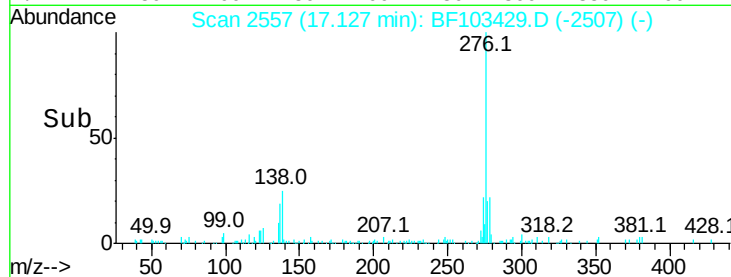
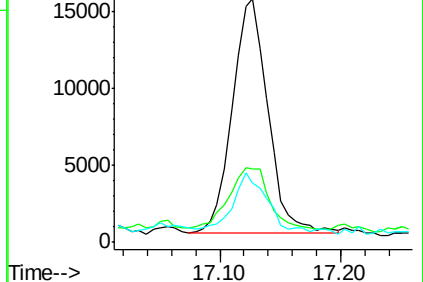
277 27.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BF103429.D

Acq: 6 Mar 2018 00:27

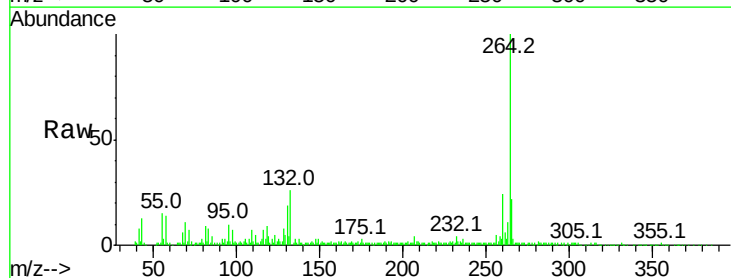
Tgt Ion:264 Resp: 139274

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

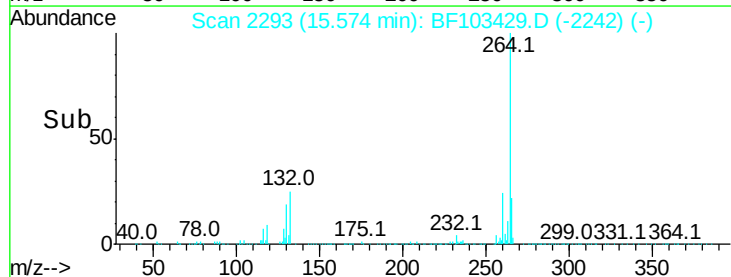
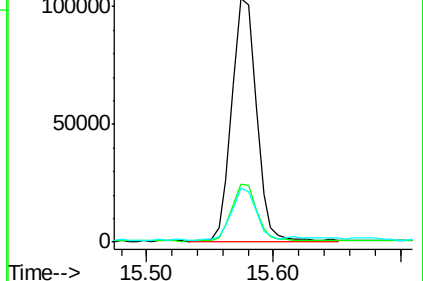
265 22.4 17.5 26.3

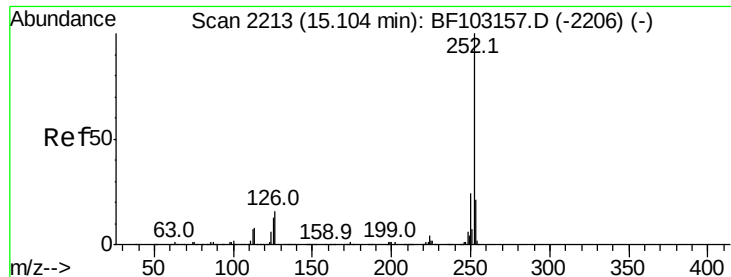


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

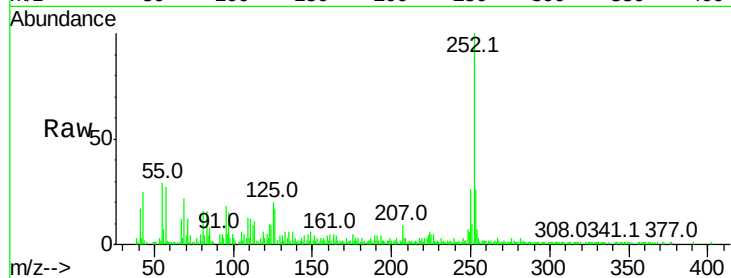




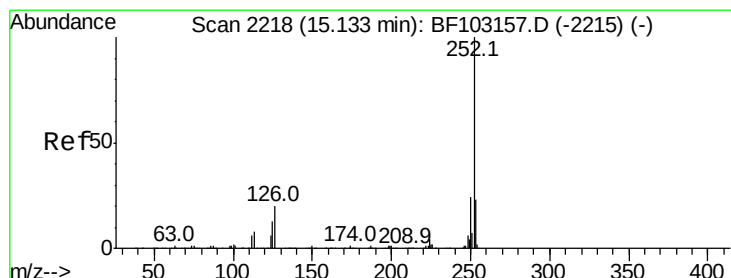
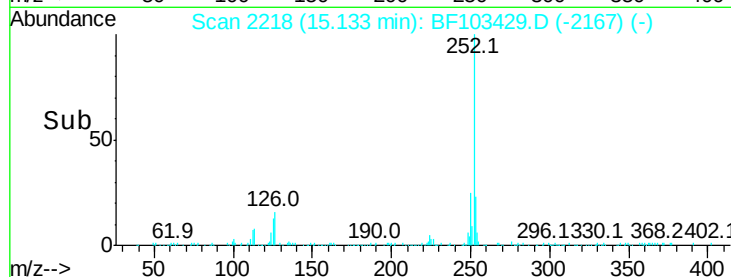
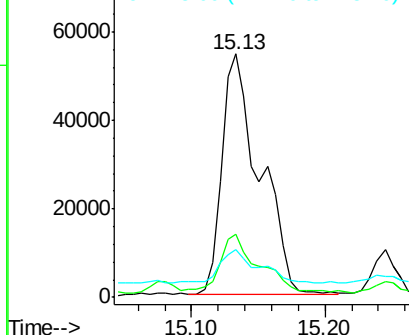
#87
Benzo(b)fluoranthene
Concen: 11.687 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 107015
Ion Ratio Lower Upper
252 100
253 25.8 17.0 25.6#
125 19.5 9.0 13.6#

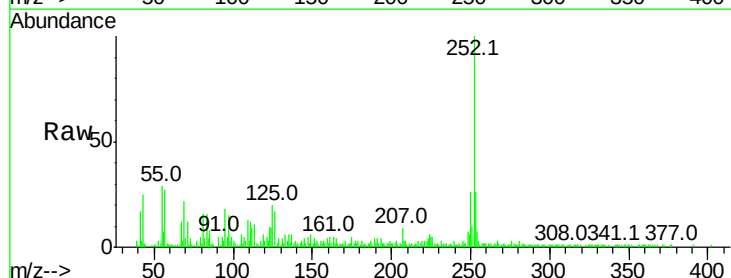


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

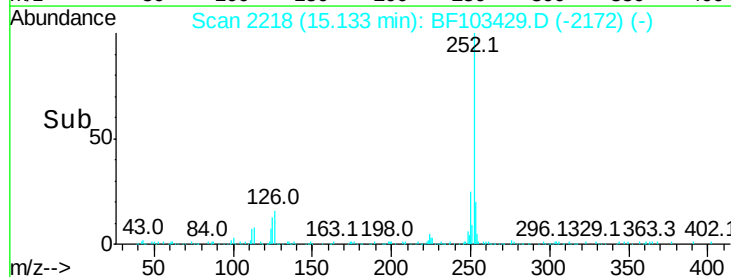
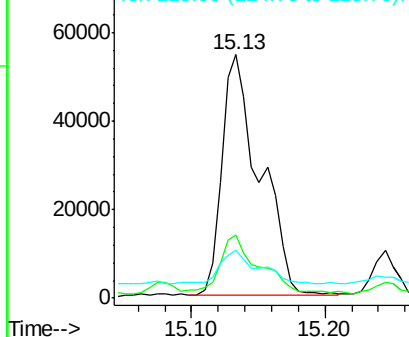


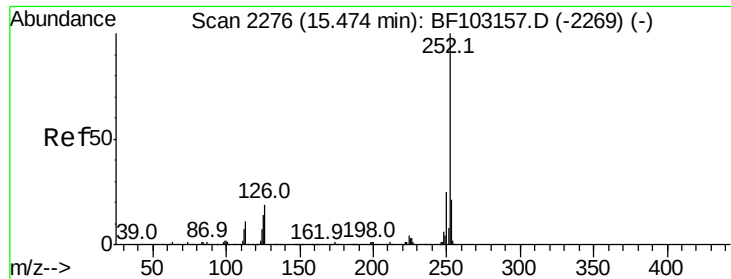
#88
Benzo(k)fluoranthene
Concen: 12.411 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Tgt Ion:252 Resp: 107015
Ion Ratio Lower Upper
252 100
253 25.8 17.9 26.9
125 19.5 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

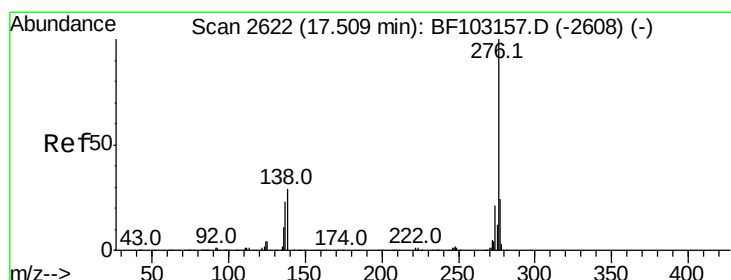
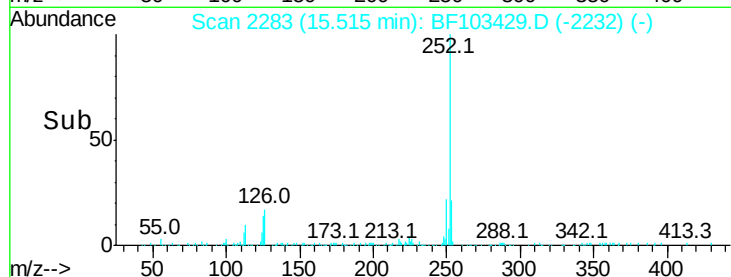
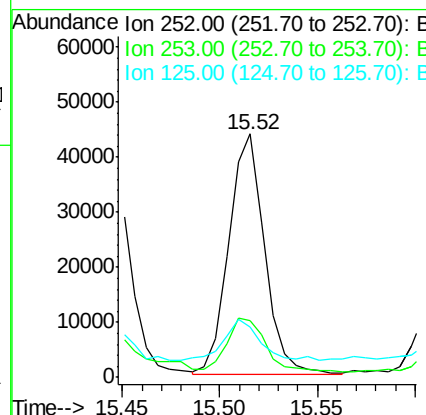
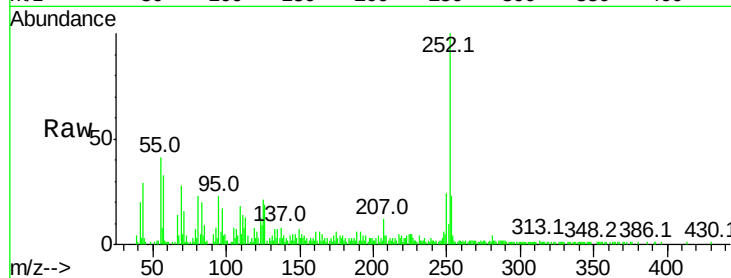




#89
Benzo(a)pyrene
Concen: 6.760 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 55280
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 20.9 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 4.958 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.01 min
Lab File: BF103429.D
Acq: 6 Mar 2018 00:27

Tgt Ion:276 Resp: 30618
Ion Ratio Lower Upper
276 100
277 29.1 17.9 26.9#
138 38.0 21.8 32.8#

