

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101171.D
 Acq On : 6 Dec 2017 16:51
 Operator : SJ/JU
 Sample : I6683-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-A

Quant Time: Dec 06 18:05:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

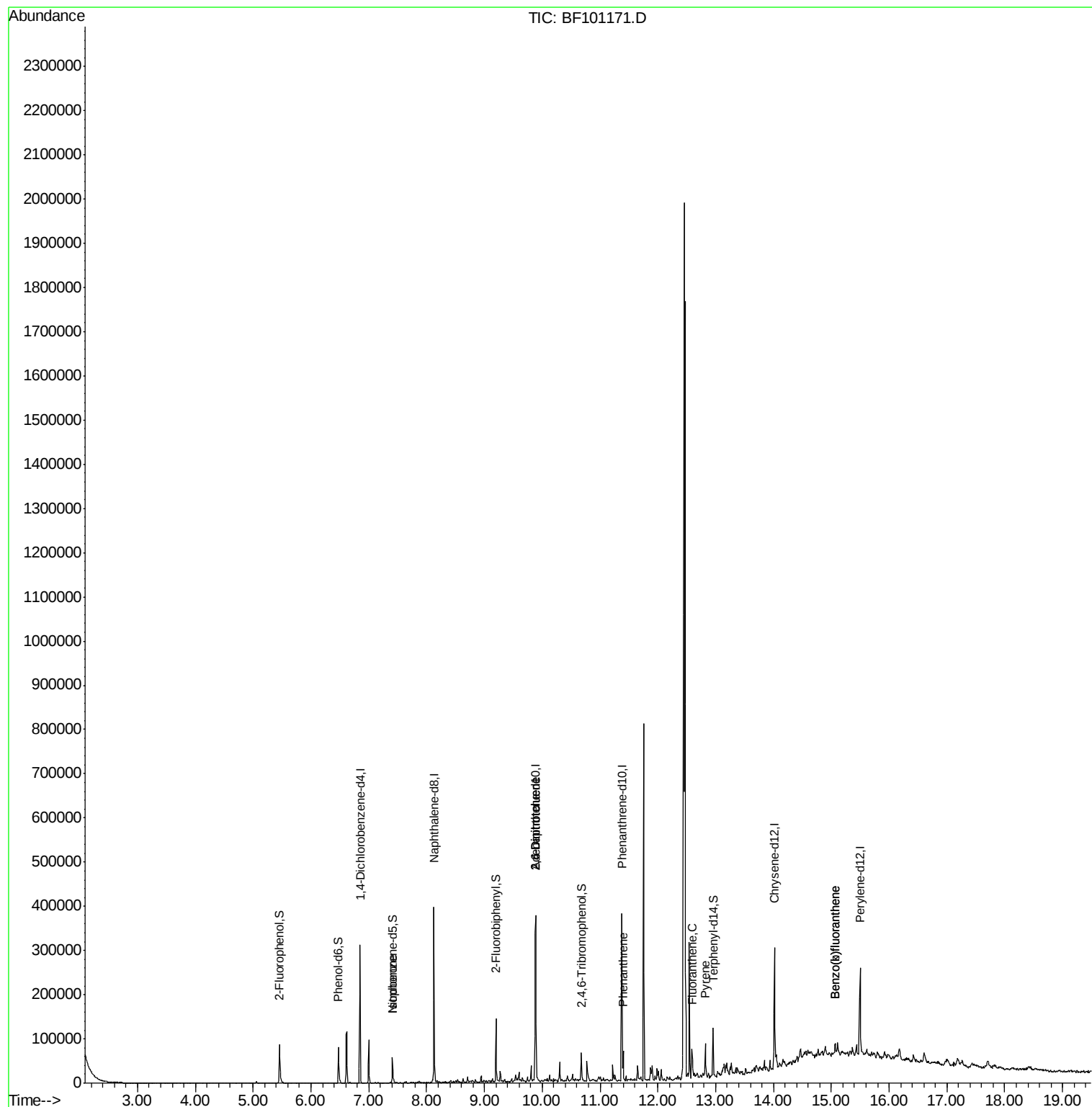
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	43603	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	167906	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	78170	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	135701	20.00	ng	0.00
75) Chrysene-d12	14.02	240	95896	20.00	ng	0.00
86) Perylene-d12	15.50	264	97964	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	29995	11.37	ng	0.00
7) Phenol-d6	6.47	99	34822	10.87	ng	0.00
23) Nitrobenzene-d5	7.41	82	20822	7.40	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	8237	8.77	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	49397	8.65	ng	-0.01
78) Terphenyl-d14	12.96	244	36994	8.44	ng	0.00
Target Compounds						
25) Isophorone	7.41	82	20822	4.331	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	10577	7.966	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	10577	5.944	ng	# 21
70) Phenanthrene	11.40	178	24740	3.311	ng	98
74) Fluoranthene	12.59	202	17779	2.146	ng	98
77) Pyrene	12.82	202	25577	3.865	ng	98
87) Benzo(b)fluoranthene	15.06	252	13860	2.362	ng	# 80
88) Benzo(k)fluoranthene	15.06	252	13860	2.397	ng	# 84

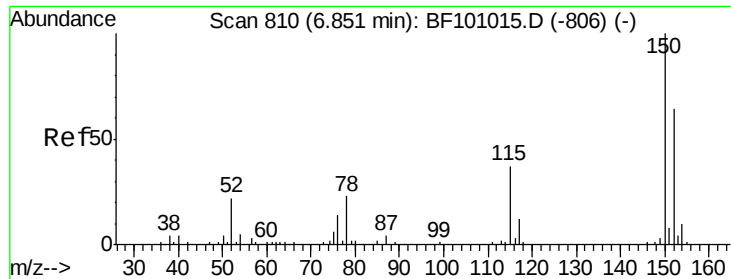
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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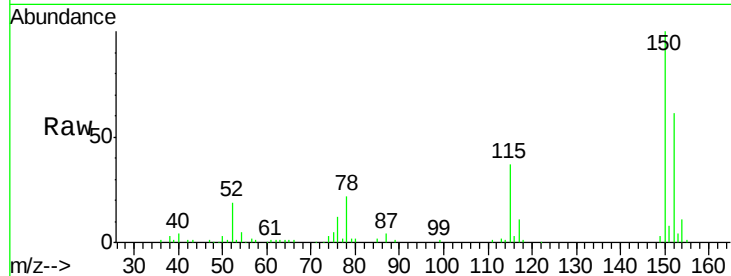


#1

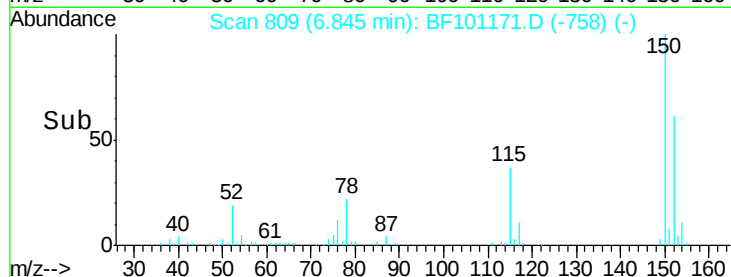
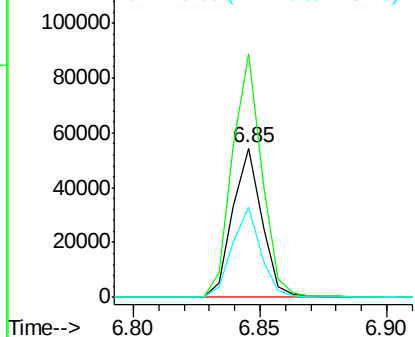
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101171.D
Acq: 6 Dec 2017 16:51

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-A

Tot Ion:152 Resp: 43603
Ion Ratio Lower Upper
152 100
150 163.5 124.6 186.8
115 60.2 50.1 75.1



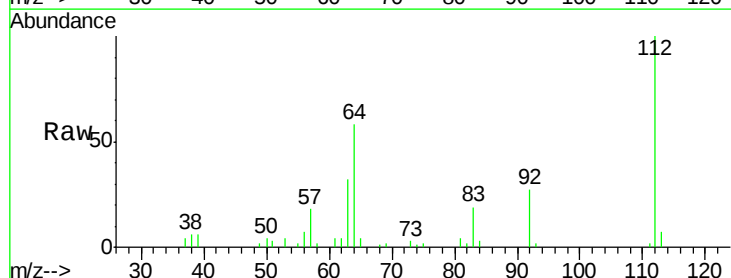
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



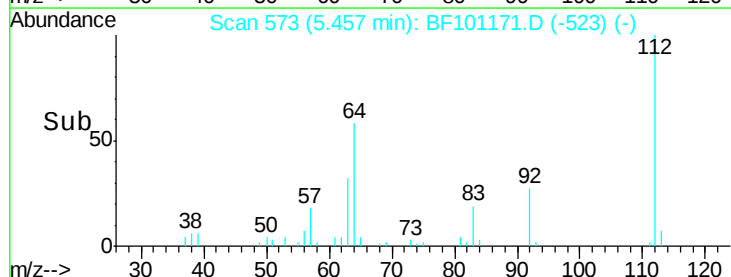
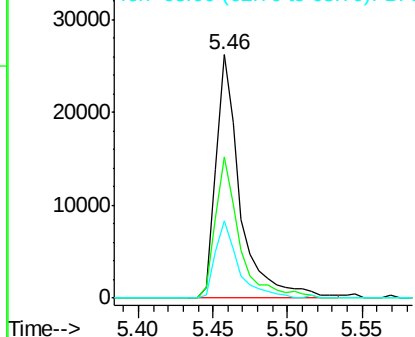
#5

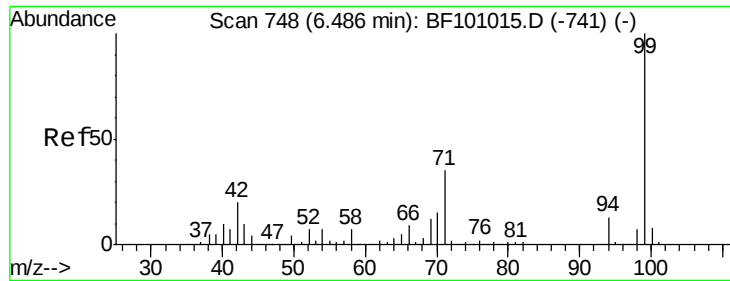
2-Fluorophenol
Concen: 11.367 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101171.D
Acq: 6 Dec 2017 16:51

Tgt Ion:112 Resp: 29995
Ion Ratio Lower Upper
112 100
64 58.2 47.9 71.9
63 31.8 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: 10.870 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-A

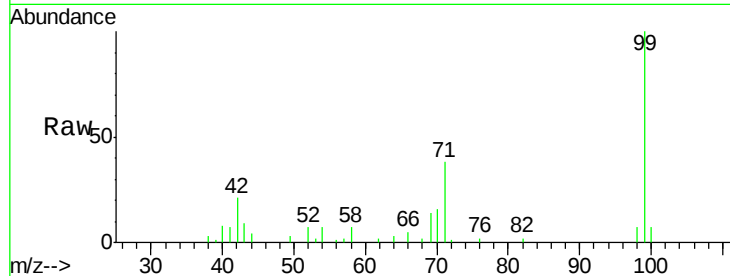
Tot Ion: 99 Resp: 34822

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

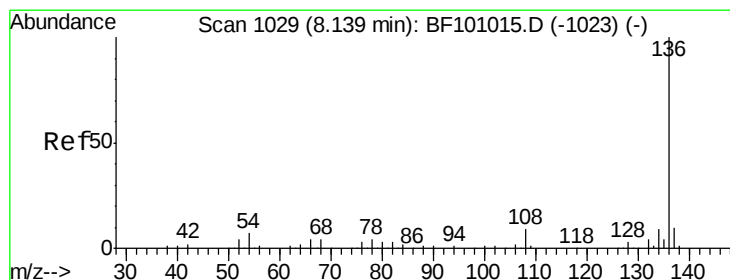
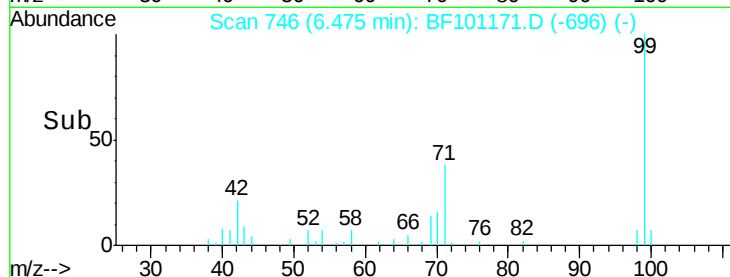
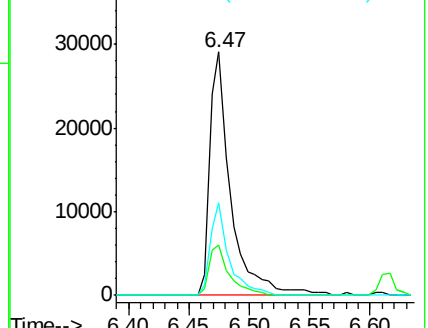
71 37.8 25.4 38.0



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

Tgt Ion: 136 Resp: 167906

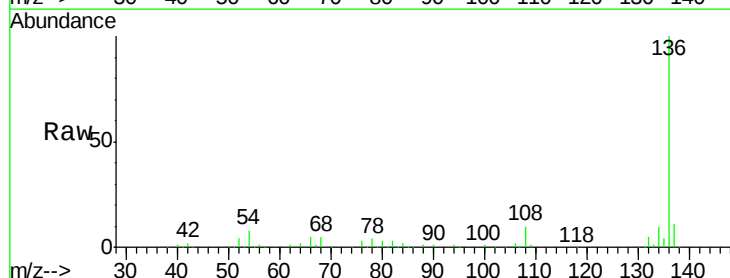
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.6 6.6 9.8

68 4.5 5.0 7.4#

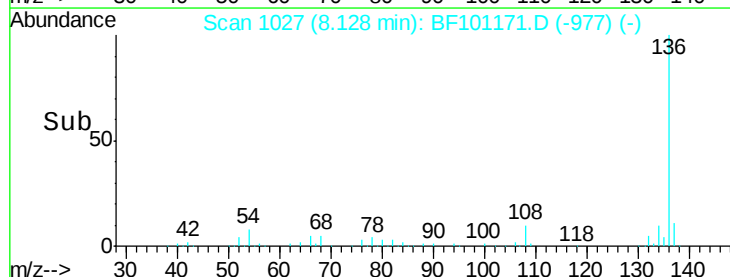
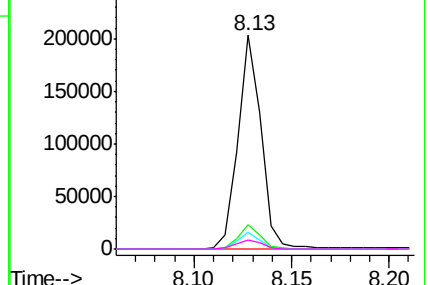


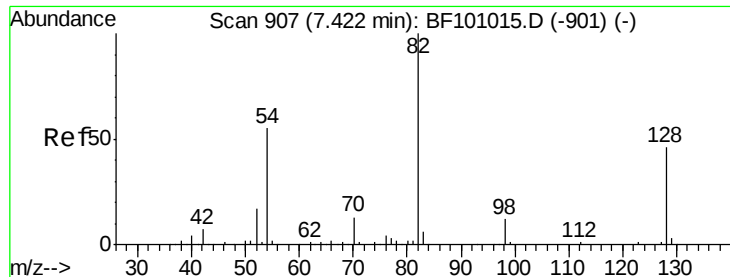
Abundance Ion 136.00 (135.70 to 136.70): E

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

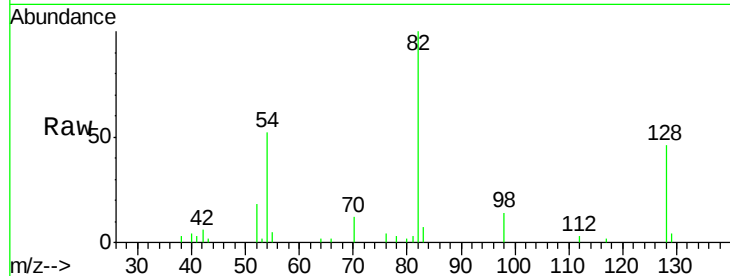




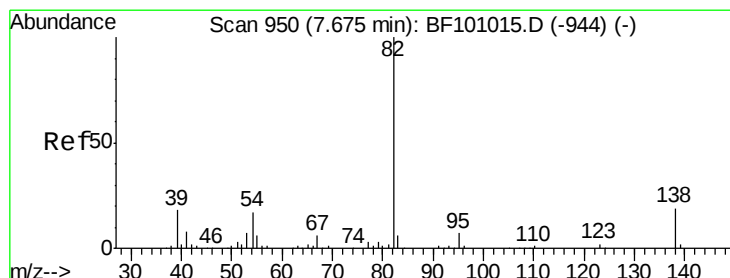
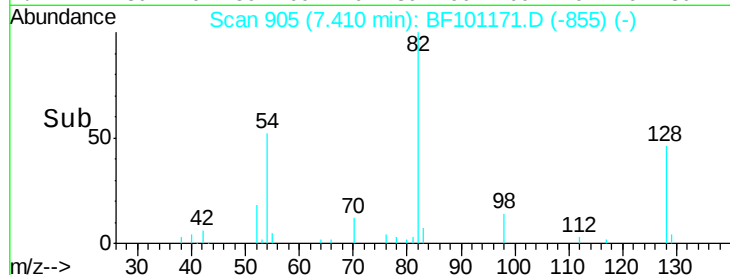
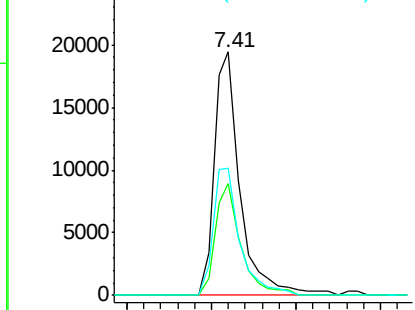
#23
 Nitrobenzene-d5
 Concen: 7.398 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101171.D
 Acq: 6 Dec 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-A

Tot Ion: 82 Resp: 20822
 Ion Ratio Lower Upper
 82 100
 128 46.1 36.1 54.1
 54 52.3 41.4 62.2

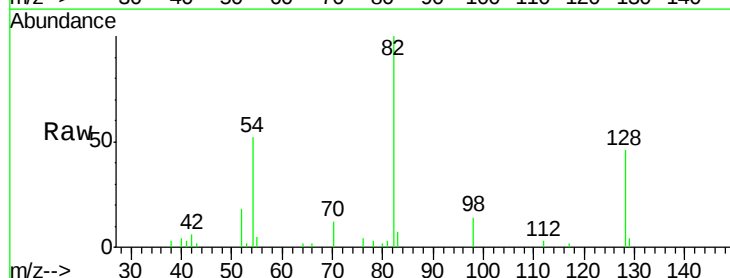


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

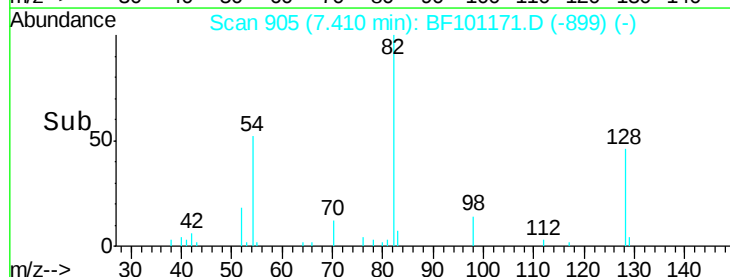
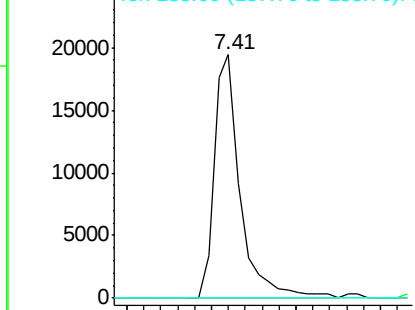


#25
 Isophorone
 Concen: 4.331 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF101171.D
 Acq: 6 Dec 2017 16:51

Tgt Ion: 82 Resp: 20822
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-A

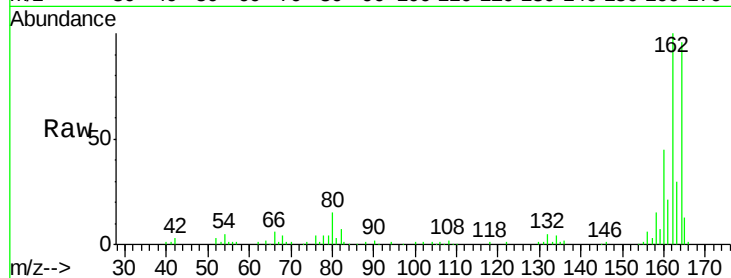
Tot Ion:164 Resp: 78170

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

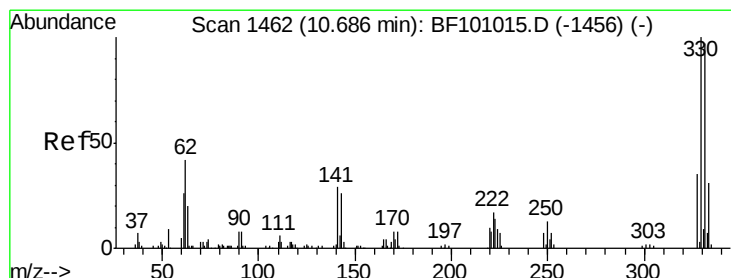
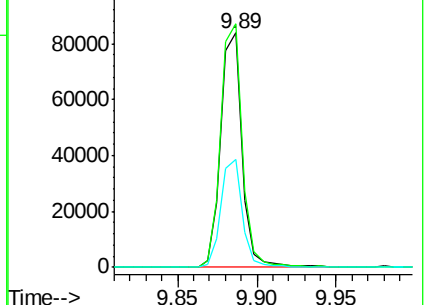
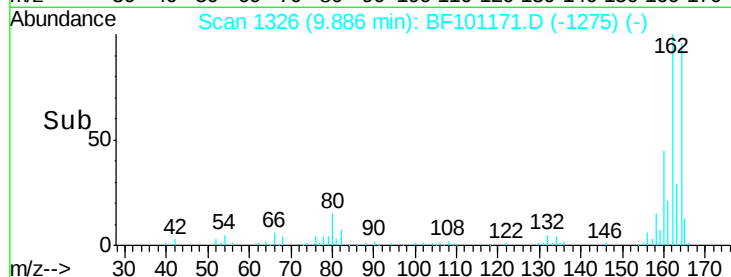
160 46.4 38.3 57.5



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: 8.772 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

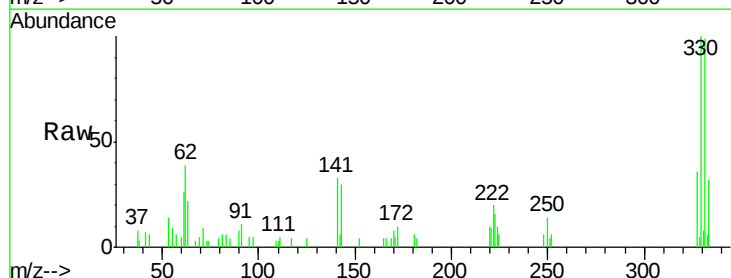
Tgt Ion:330 Resp: 8237

Ion Ratio Lower Upper

330 100

332 99.3 77.0 115.6

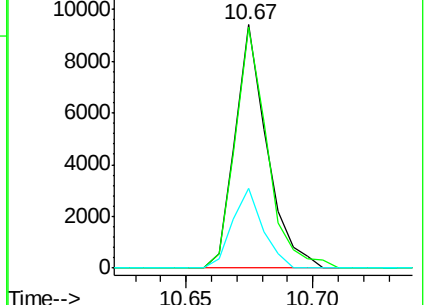
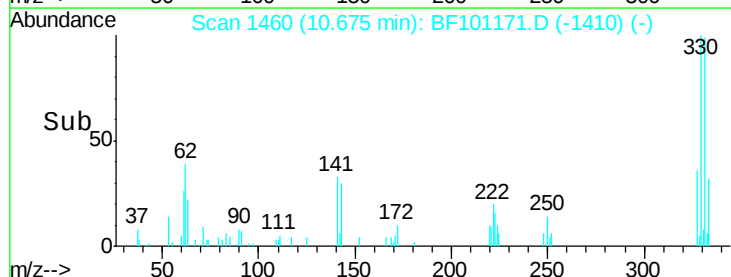
141 31.4 29.9 44.9

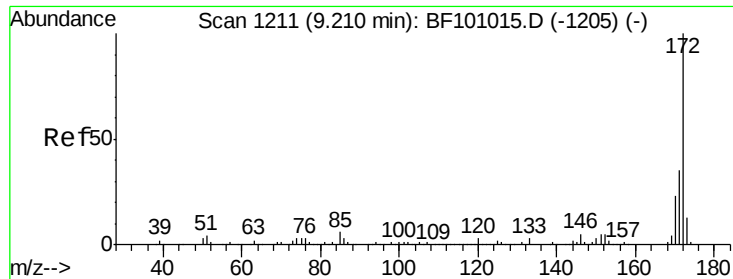


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

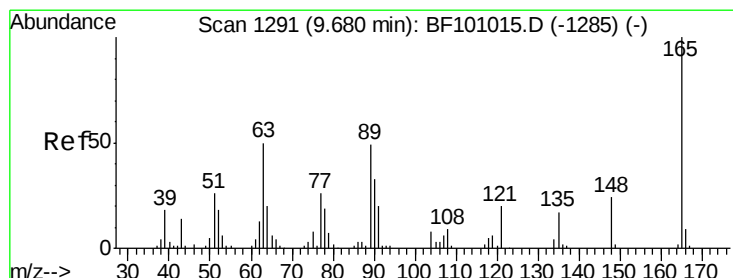
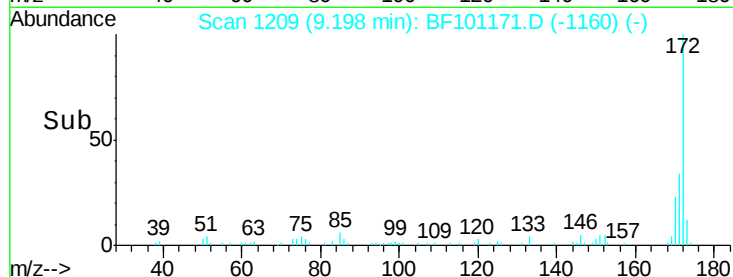
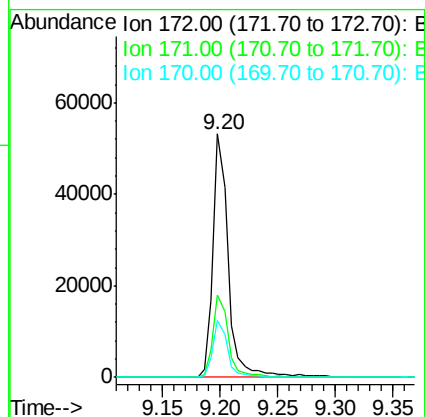
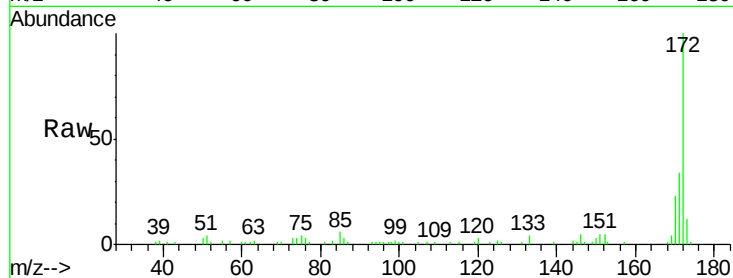




#44
2-Fluorobiphenyl
Concen: 8.646 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101171.D
Acq: 6 Dec 2017 16:51

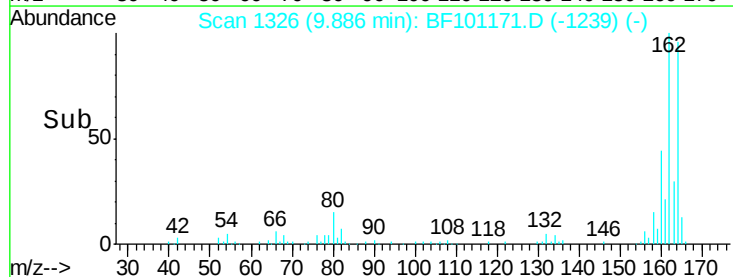
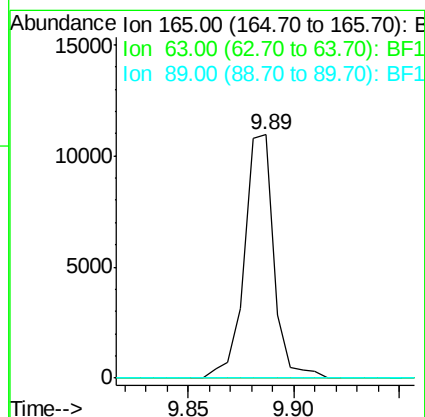
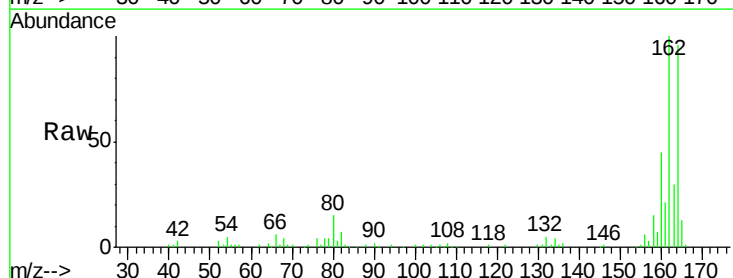
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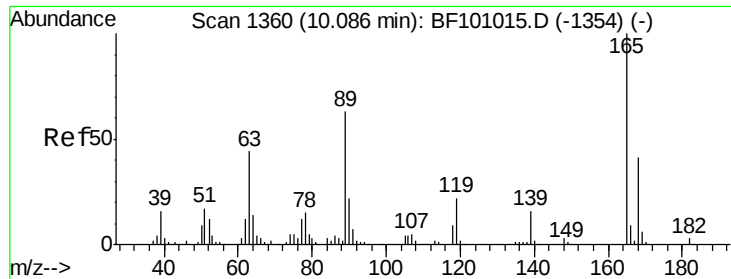
Tot Ion:172 Resp: 49397
Ion Ratio Lower Upper
172 100
171 33.8 29.7 44.5
170 23.4 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 7.966 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.21 min
Lab File: BF101171.D
Acq: 6 Dec 2017 16:51

Tgt Ion:165 Resp: 10577
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

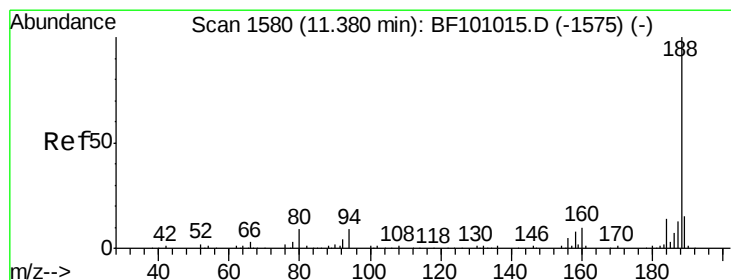
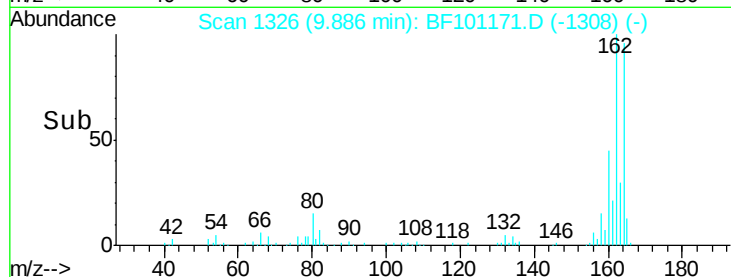
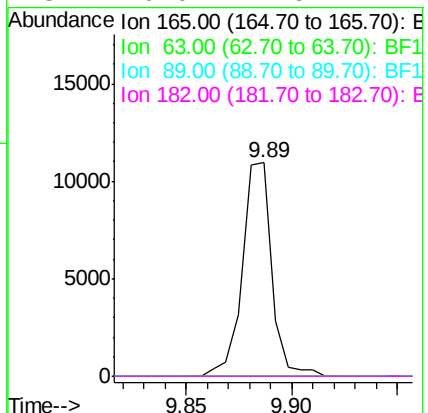
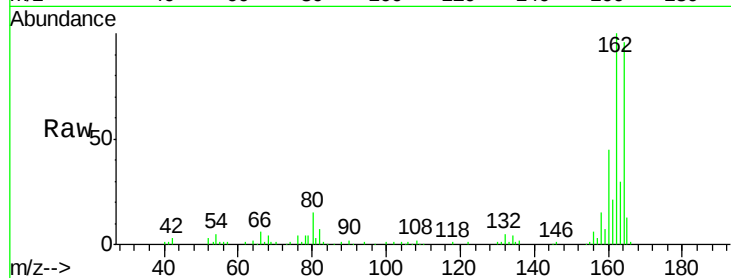




#56
 2,4-Dinitrotoluene
 Concen: 5.944 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF101171.D
 Acq: 6 Dec 2017 16:51

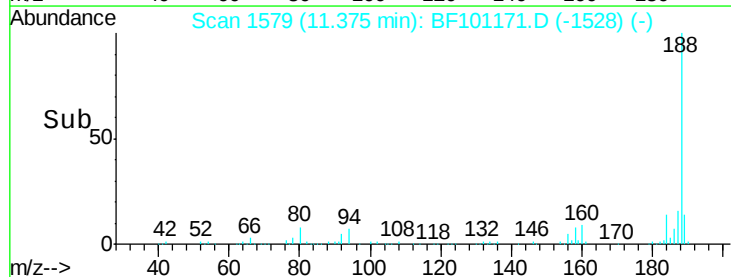
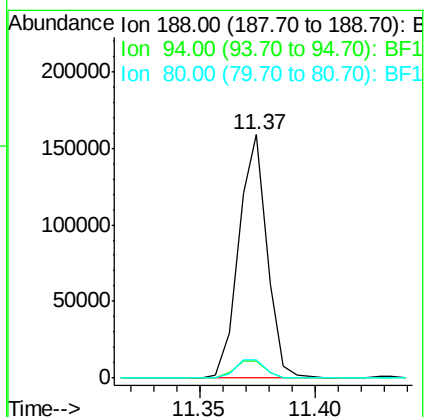
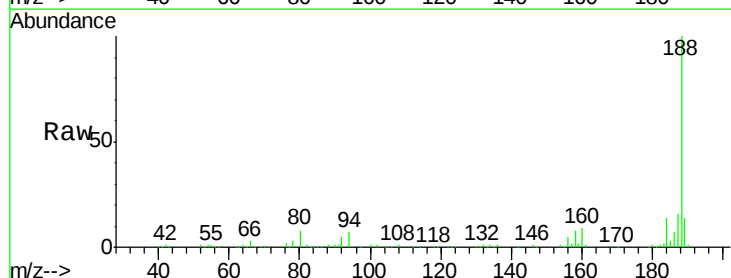
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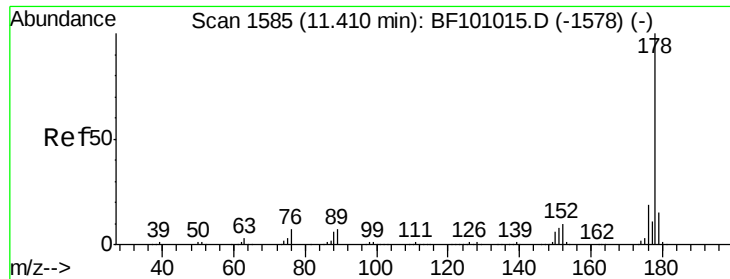
Tot Ion:165	Resp:	10577
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101171.D
 Acq: 6 Dec 2017 16:51

Tgt Ion:188	Resp:	135701
Ion Ratio	Lower	Upper
188	100	
94	7.1	8.5 12.7#
80	7.7	9.2 13.8#





#70

Phenanthrene

Concen: 3.311 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-A

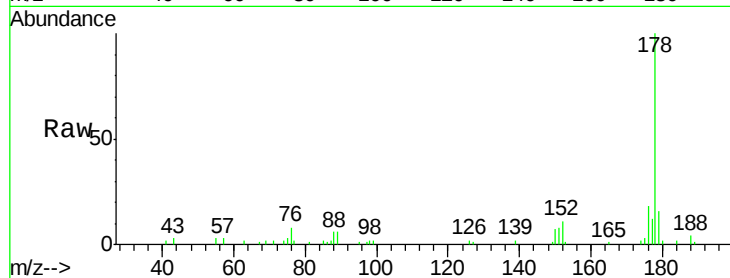
Tot Ion:178 Resp: 24740

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

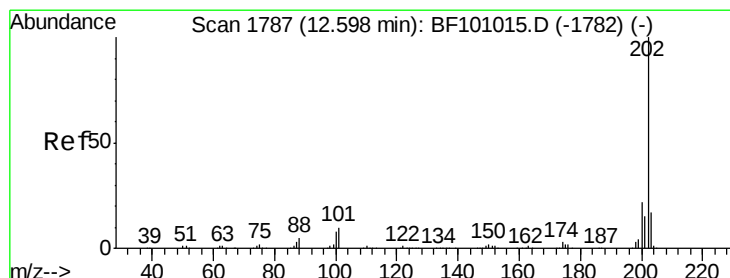
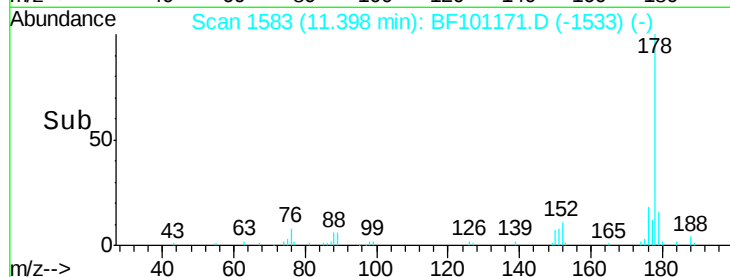
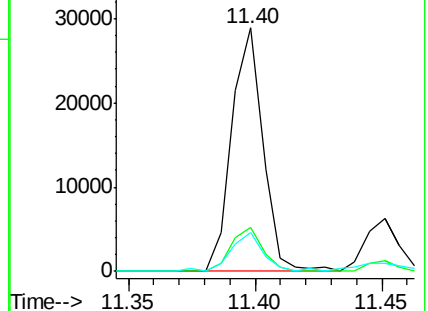
179 16.1 13.0 19.6



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: 2.146 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

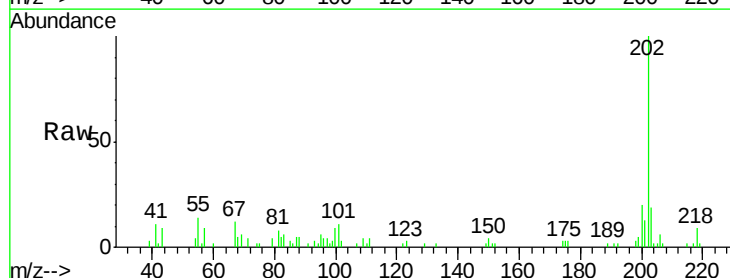
Tgt Ion:202 Resp: 17779

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

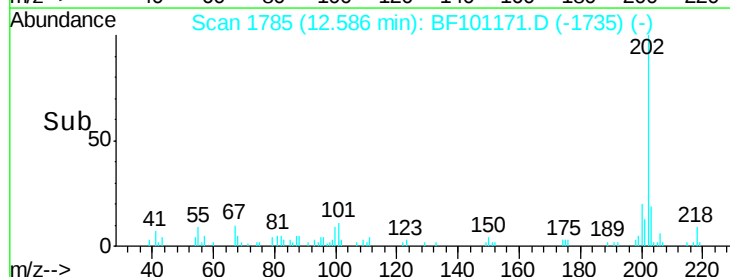
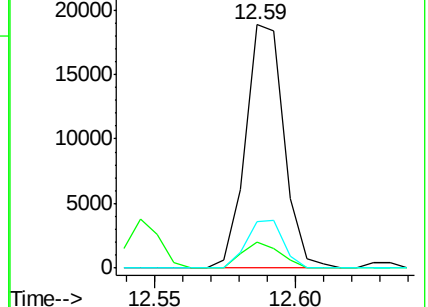
203 19.2 0.0 38.1

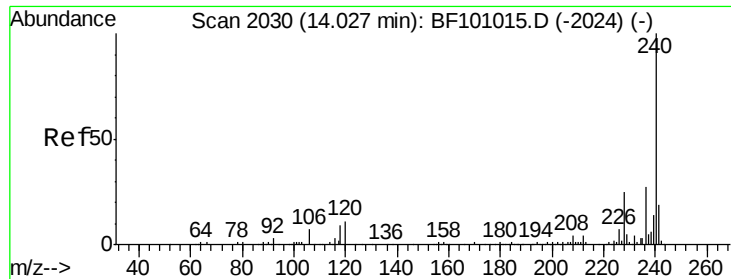


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-A

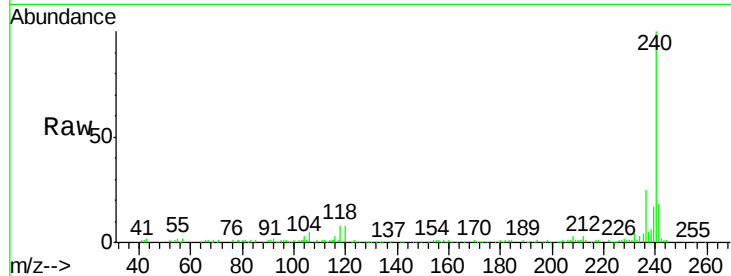
Tot Ion:240 Resp: 95896

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

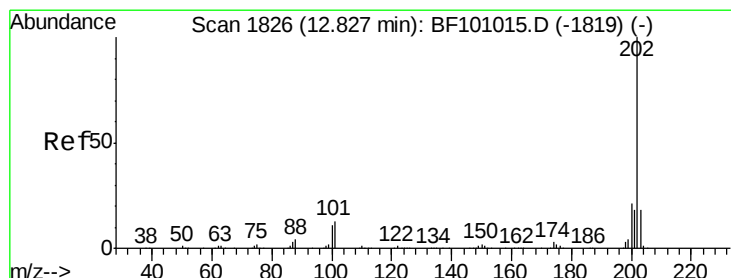
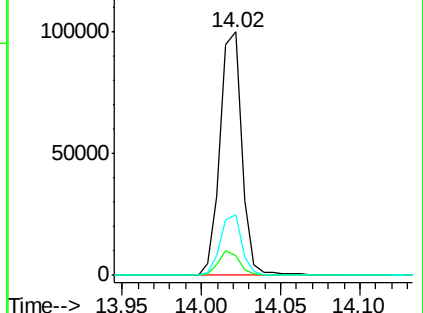
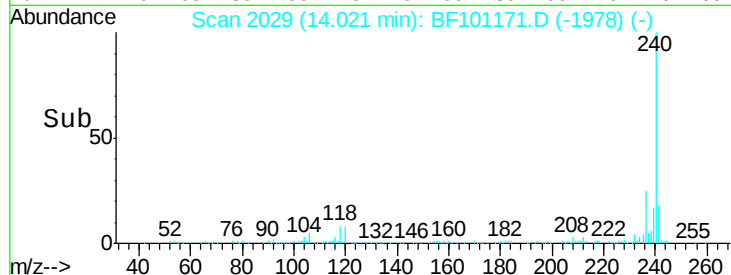
236 24.8 20.7 31.1



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: 3.865 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

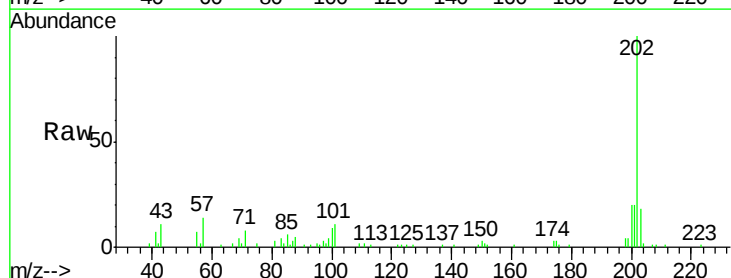
Tgt Ion:202 Resp: 25577

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

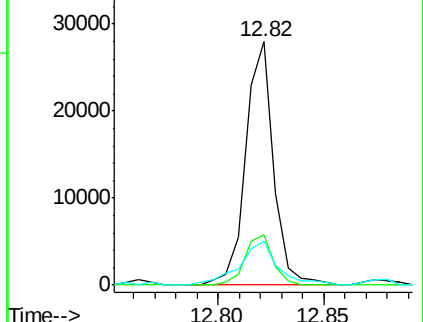
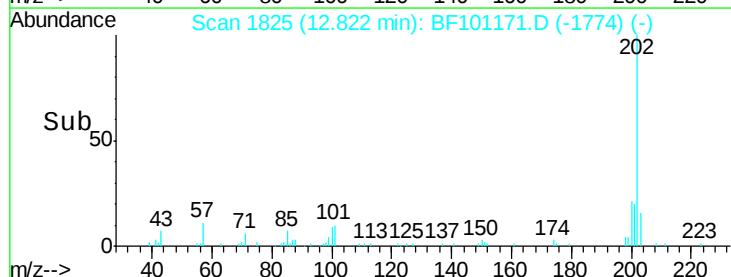
203 18.2 14.3 21.5

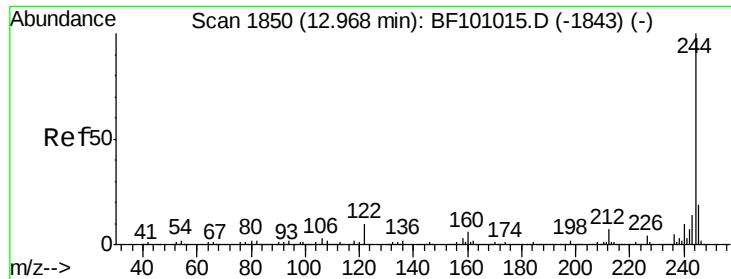


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.438 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-A

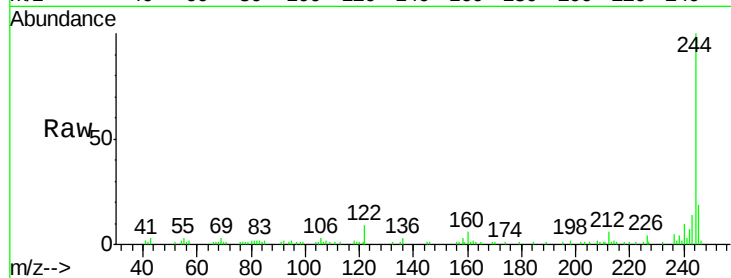
Tot Ion:244 Resp: 36994

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

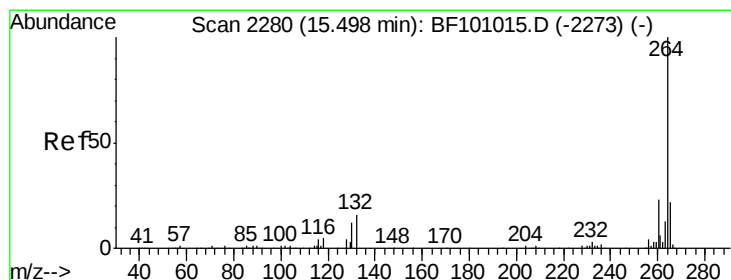
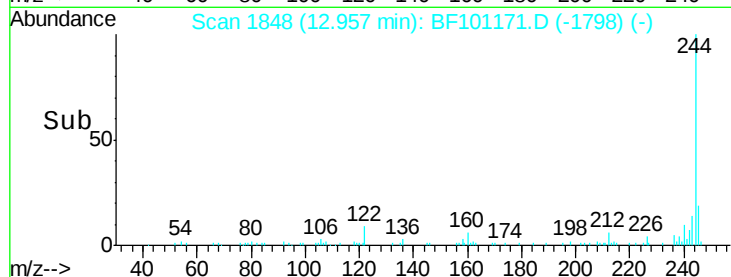
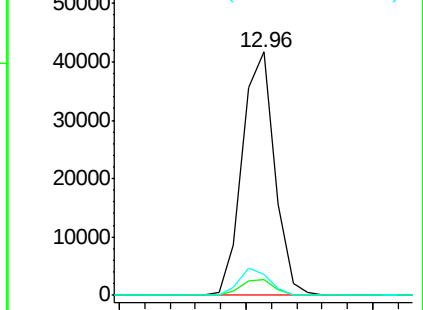
122 8.7 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

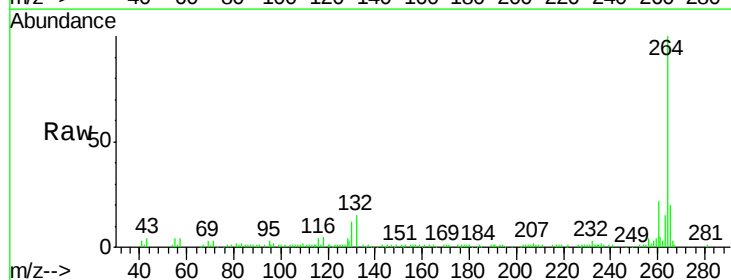
Tgt Ion:264 Resp: 97964

Ion Ratio Lower Upper

264 100

260 21.9 19.2 28.8

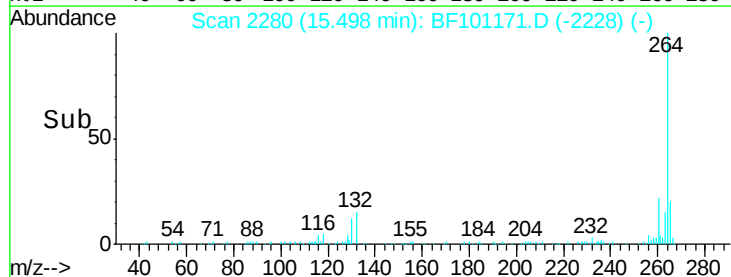
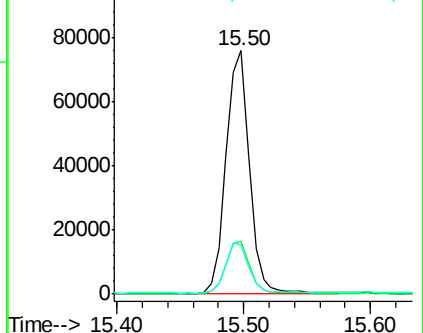
265 20.0 17.5 26.3

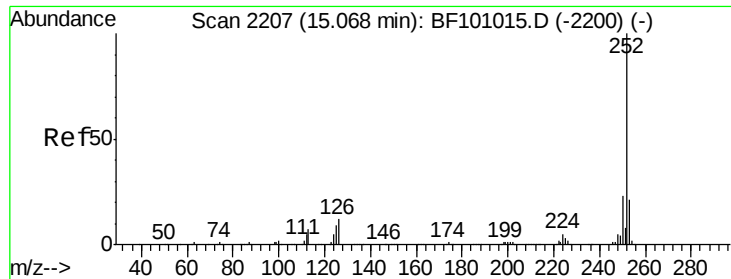


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.362 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-A

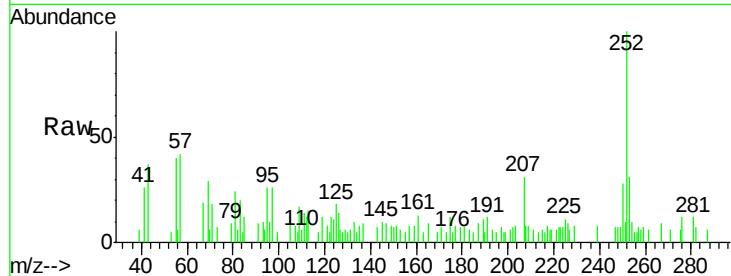
Tot Ion:252 Resp: 13860

Ion Ratio Lower Upper

252 100

253 31.0 17.0 25.6#

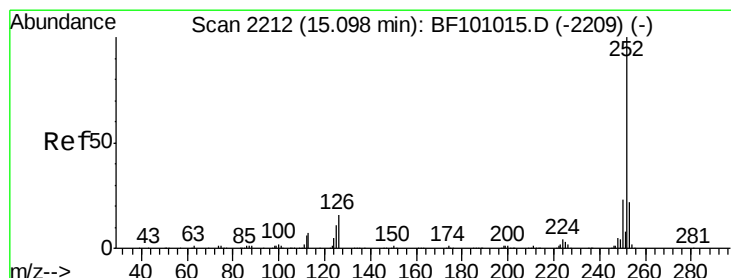
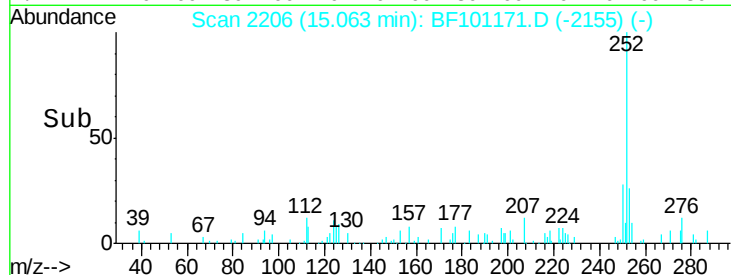
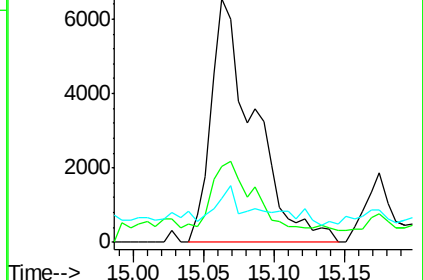
125 18.0 9.0 13.6#



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: 2.397 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF101171.D

Acq: 6 Dec 2017 16:51

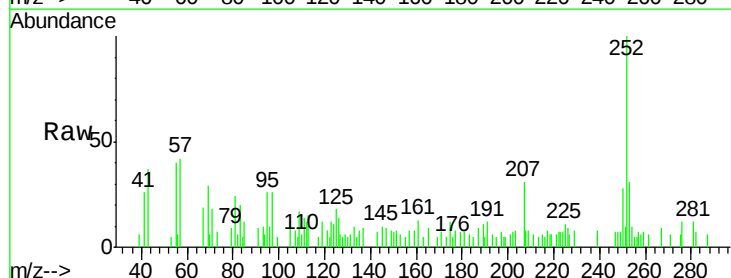
Tgt Ion:252 Resp: 13860

Ion Ratio Lower Upper

252 100

253 31.0 17.9 26.9#

125 18.0 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

