

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010816\
 Data File : BM003928.D
 Acq On : 08 Jan 2016 18:34
 Operator : SJ/UM
 Sample : G1018-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL001-160105

Quant Time: Jan 09 00:30:32 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 13:33:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	42283	5.00	ng	0.00
7) Naphthalene-d8	10.46	136	173684	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	84476	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	204170	5.00	ng	0.00
26) Chrysene-d12	21.27	240	120829	5.00	ng	0.00
35) Perylene-d12	23.51	264	94424	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	19421	2.24	ng	0.00
5) Phenol-d6	6.85	99	12813	1.21	ng	0.00
8) Nitrobenzene-d5	8.84	82	29559	3.46	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	13765	5.50	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	113214	4.16	ng	0.00
29) Terphenyl-d14	19.71	244	85736	4.38	ng	-0.02

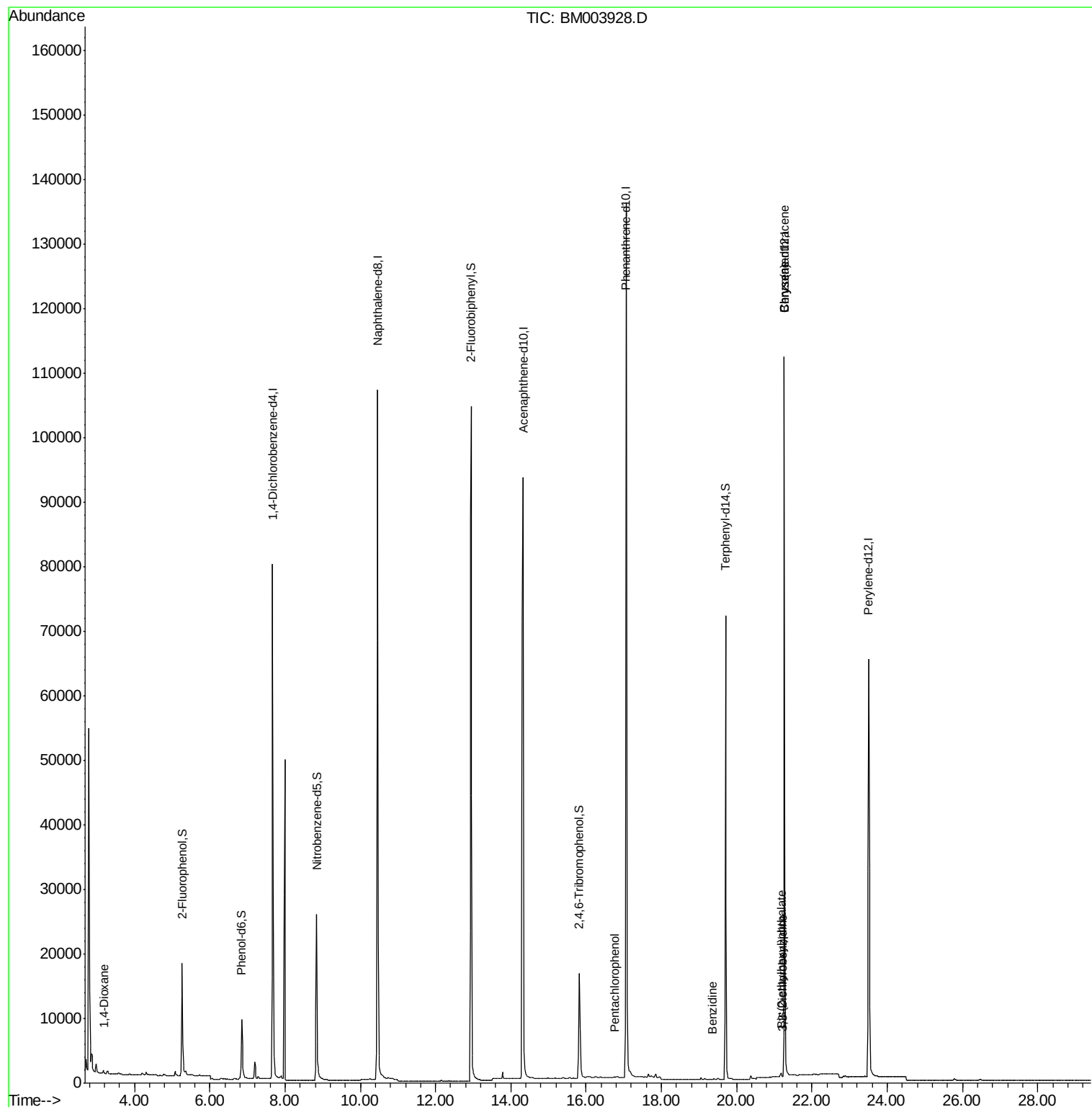
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	399	0.05	ng	# 70
22) Pentachlorophenol	16.76	266	75	0.17	ng	# 71
23) Phenanthrene	17.11	178	465	Below Cal		# 81
27) Benzdine	19.36	184	159	0.14	ng	# 1
30) Benzo(a)anthracene	21.27	228	1012	0.03	ng	# 82
31) 3,3'-Dichlorobenzidine	21.23	252	49	0.24	ng	# 59
32) Chrysene	21.27	228	1035	0.03	ng	# 75
33) Bis(2-ethylhexyl)phthalate	21.19	149	1016	0.39	ng	# 89

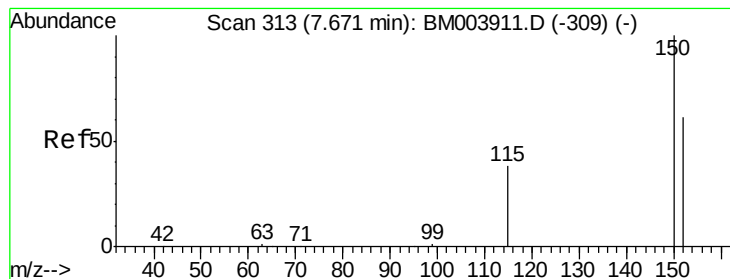
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010816\
Data File : BM003928.D
Acq On : 08 Jan 2016 18:34
Operator : SJ/UM
Sample : G1018-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OUTFALL001-160105

Quant Time: Jan 09 00:30:32 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 13:33:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

Instrument :

BNA_F

ClientSampleId :

OUTFALL001-160105

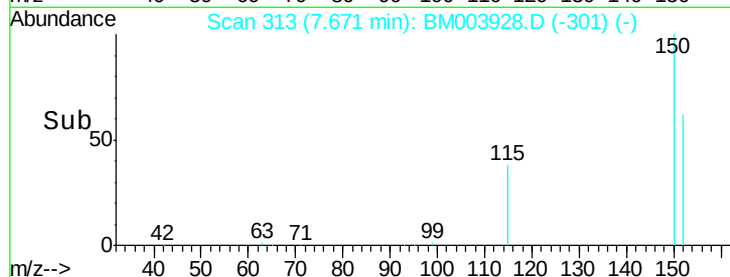
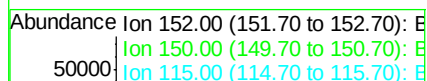
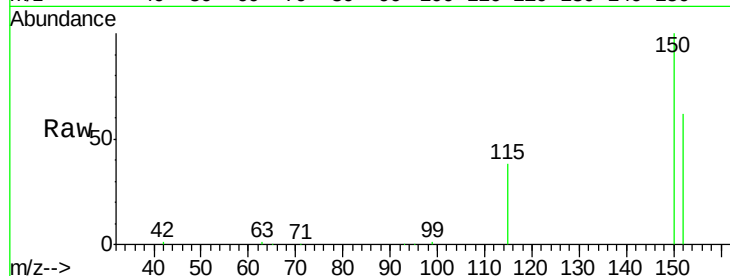
Tgt Ion:152 Resp: 42283

Ion Ratio Lower Upper

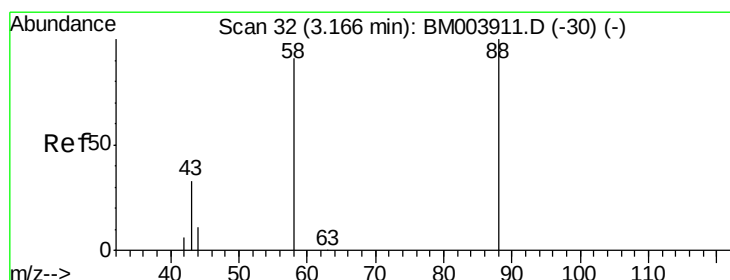
152 100

150 161.7 122.9 184.3

115 61.1 44.4 66.6



Time-->



#2

1,4-Dioxane

Concen: 0.05 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.02 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

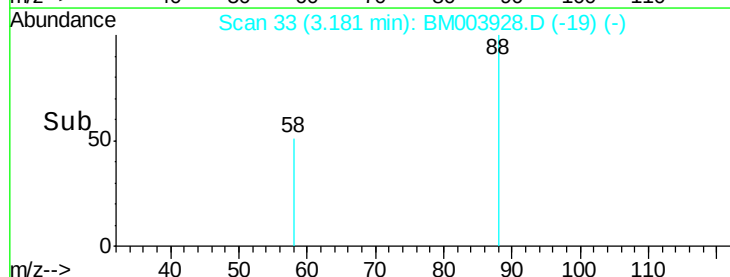
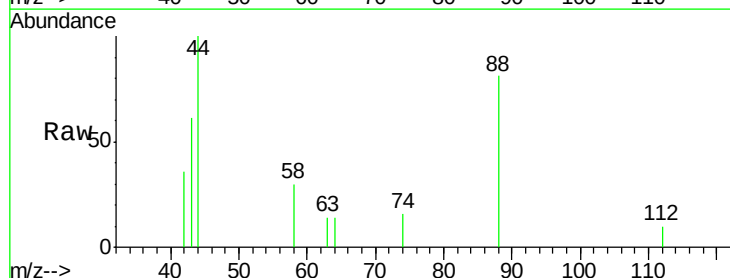
Tgt Ion: 88 Resp: 399

Ion Ratio Lower Upper

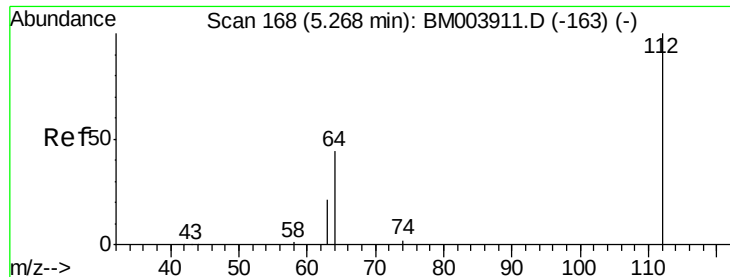
88 100

58 49.4 53.8 80.6#

43 55.9 23.8 35.6#



Time-->



#4

2-Fluorophenol

Concen: 2.24 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

Instrument :

BNA_F

ClientSampleId :

OUTFALL001-160105

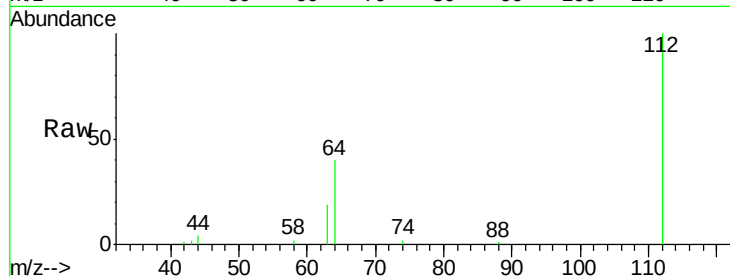
Tgt Ion: 112 Resp: 19421

Ion Ratio Lower Upper

112 100

64 52.9 41.8 62.8

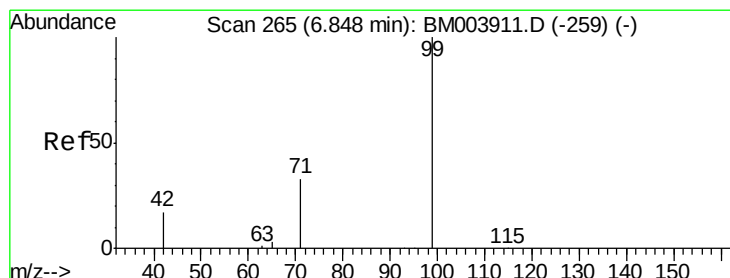
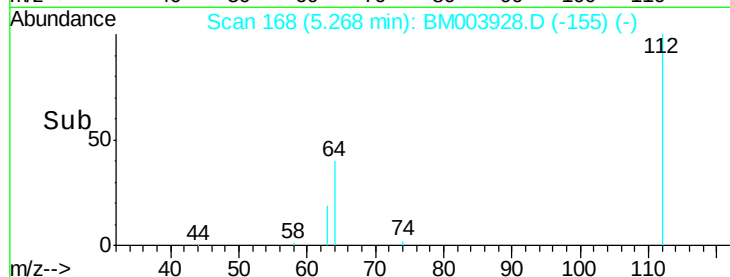
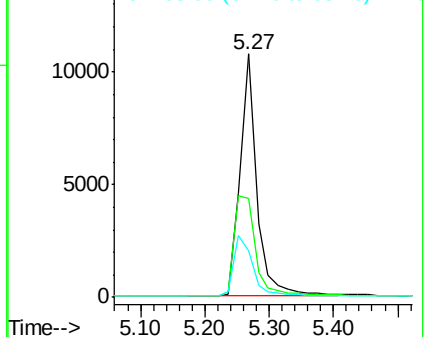
63 28.0 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 1.21 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

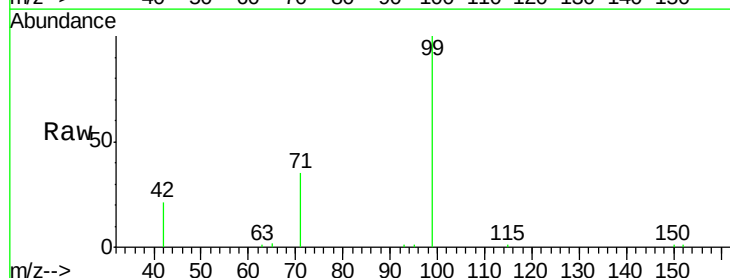
Tgt Ion: 99 Resp: 12813

Ion Ratio Lower Upper

99 100

42 19.5 16.2 24.2

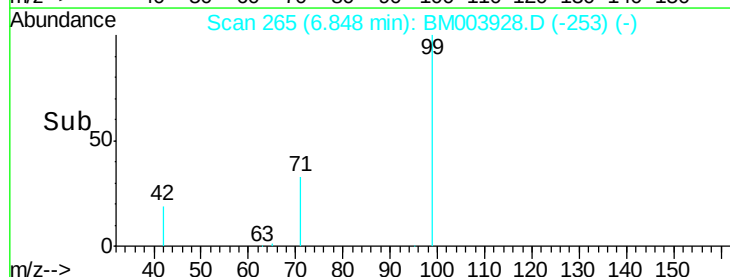
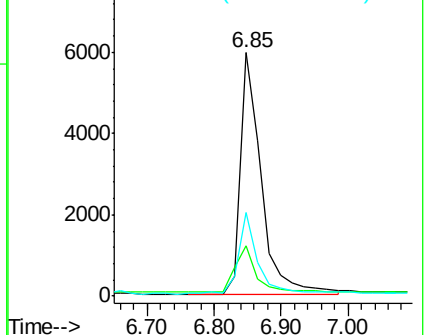
71 31.2 24.4 36.6

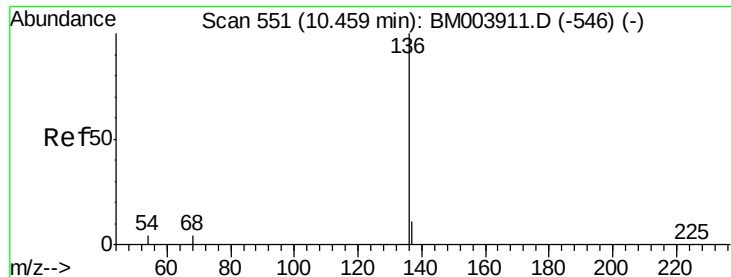


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

Instrument :

BNA_F

ClientSampleId :

OUTFALL001-160105

Tgt Ion: 136 Resp: 173684

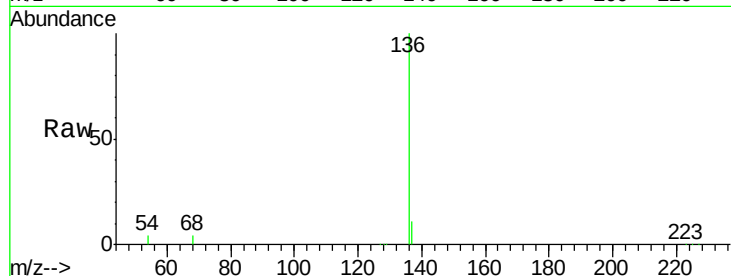
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 4.5 2.8 4.2#

68 3.7 2.5 3.7

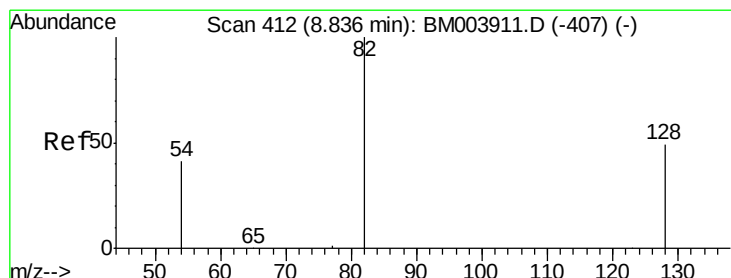
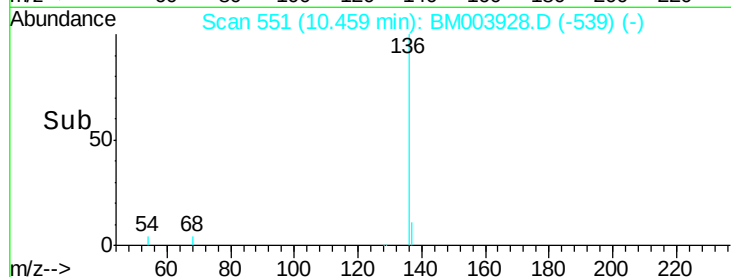
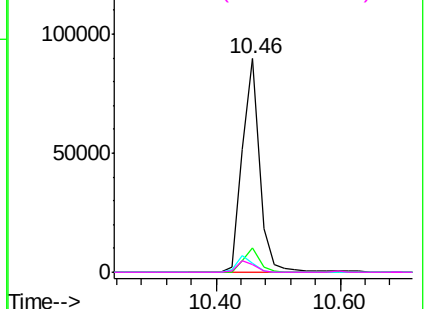


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 3.46 ng

RT: 8.84 min Scan# 412

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

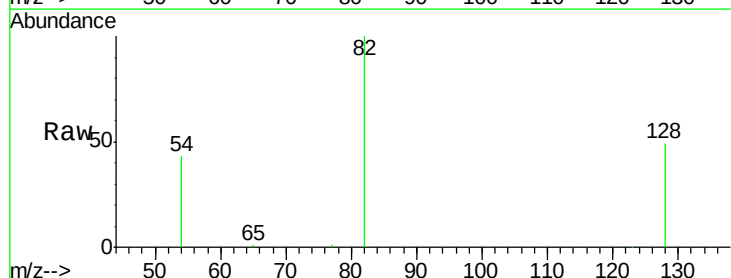
Tgt Ion: 82 Resp: 29559

Ion Ratio Lower Upper

82 100

128 49.0 39.1 58.7

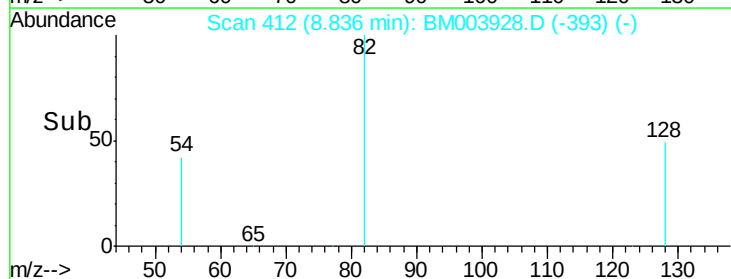
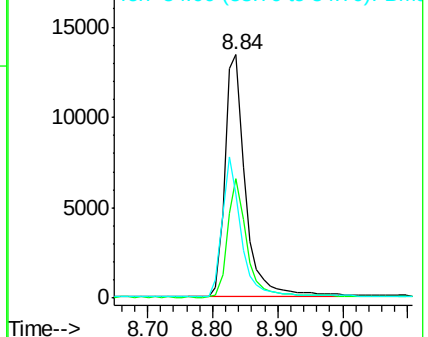
54 42.6 34.8 52.2

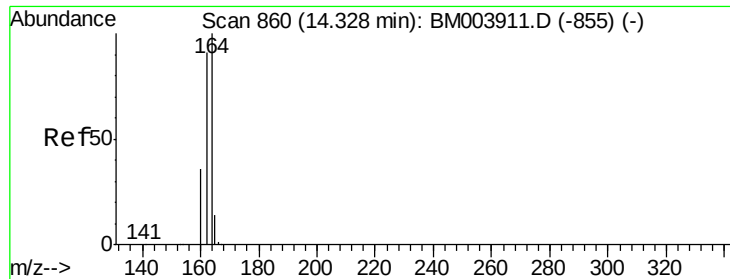


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

Instrument :

BNA_F

ClientSampleId :

OUTFALL001-160105

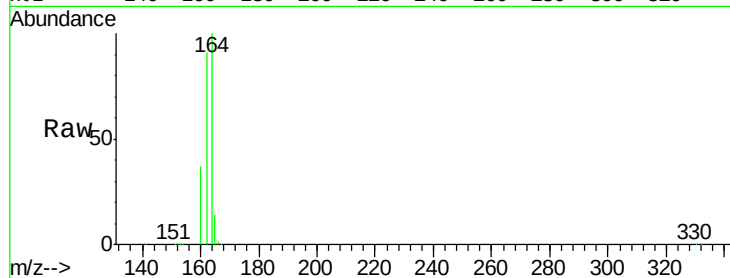
Tgt Ion:164 Resp: 84476

Ion Ratio Lower Upper

164 100

162 90.8 86.0 129.0

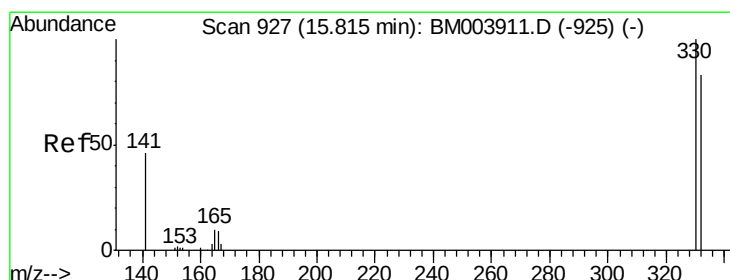
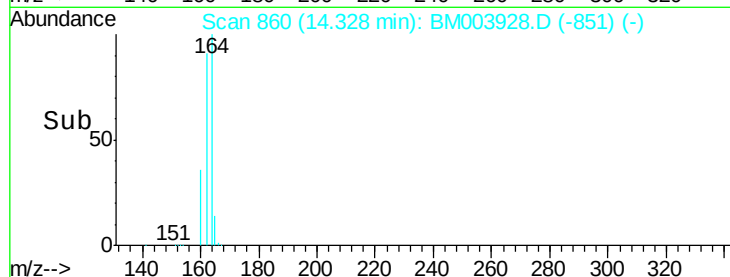
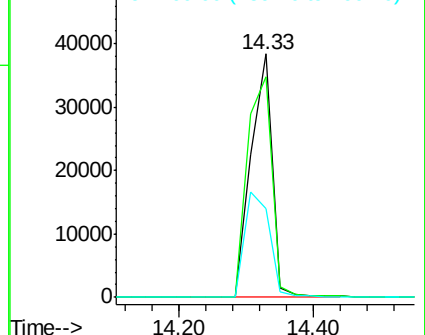
160 36.5 40.3 60.5#



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



#14

2,4,6-Tribromophenol

Concen: 5.50 ng

RT: 15.81 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

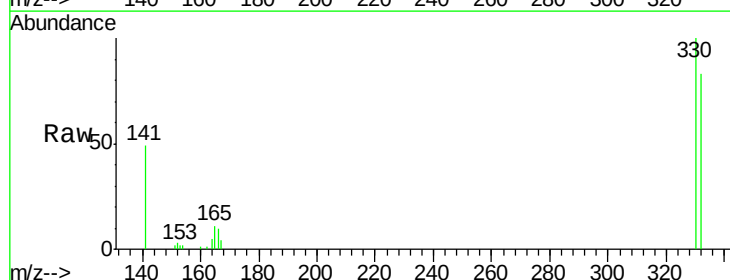
Tgt Ion:330 Resp: 13765

Ion Ratio Lower Upper

330 100

332 93.8 79.0 118.4

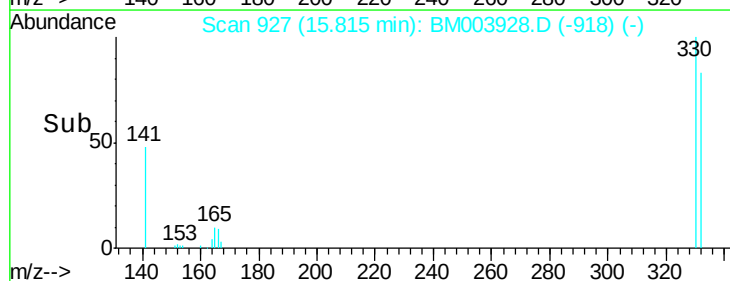
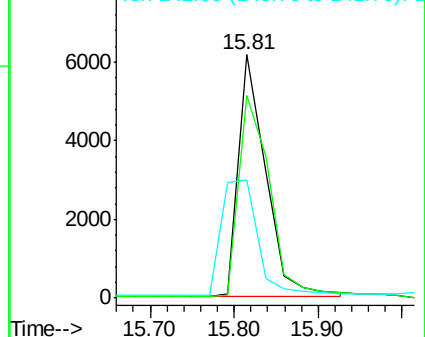
141 64.0 0.0 0.0#

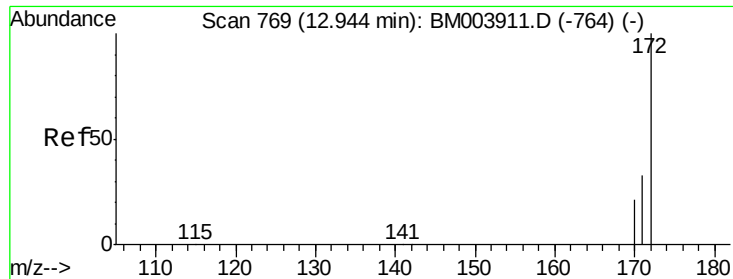


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

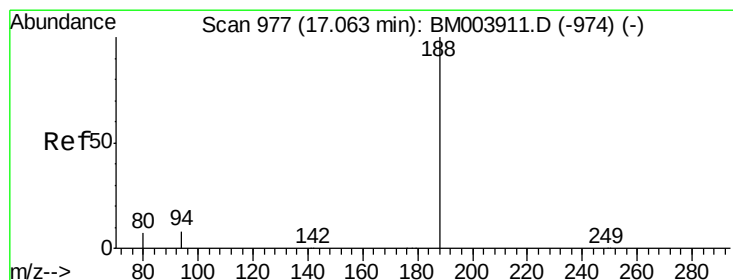
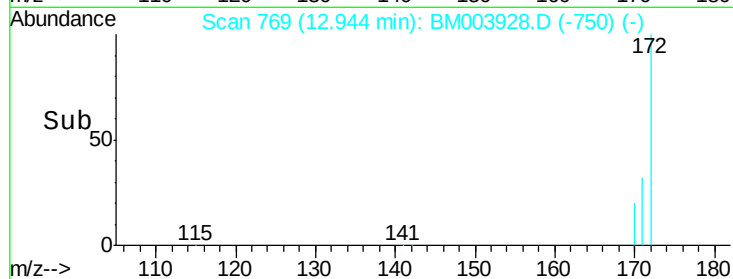
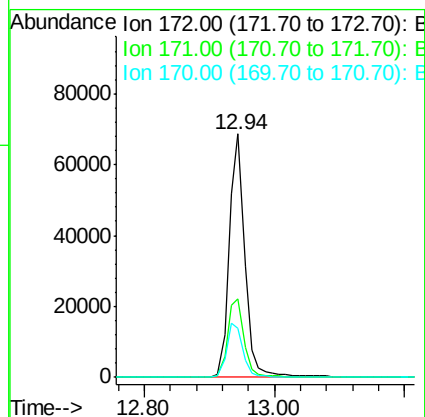
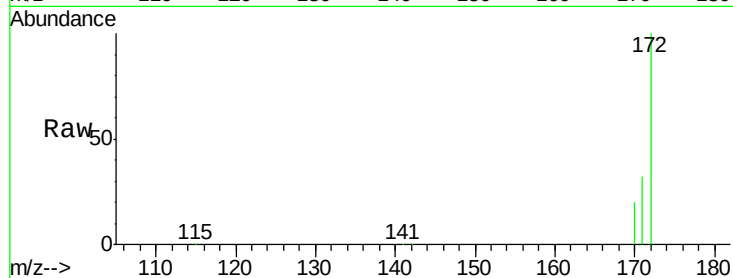




#15
2-Fluorobiphenyl
Concen: 4.16 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003928.D
Acq: 08 Jan 2016 18:34

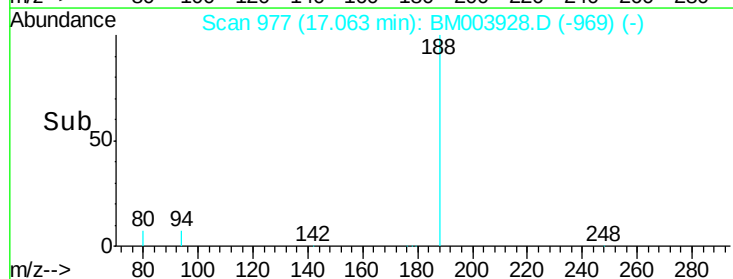
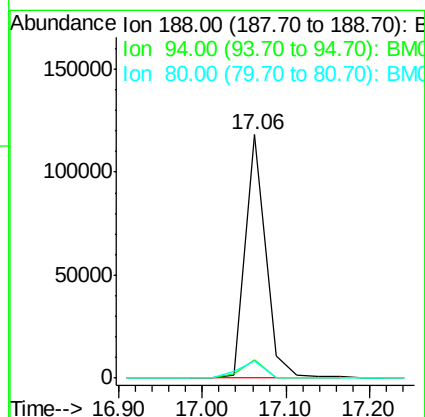
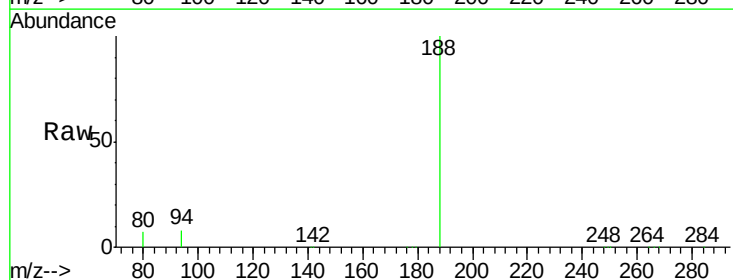
Instrument :
BNA_F
ClientSampleId :
OUTFALL001-160105

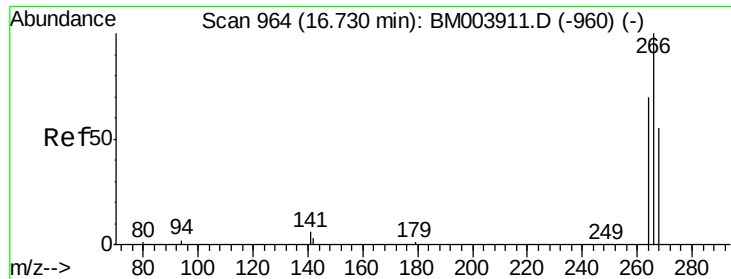
Tgt Ion:172 Resp: 113214
Ion Ratio Lower Upper
172 100
171 32.1 27.0 40.6
170 20.0 17.9 26.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003928.D
Acq: 08 Jan 2016 18:34

Tgt Ion:188 Resp: 204170
Ion Ratio Lower Upper
188 100
94 7.5 20.3 30.5#
80 6.9 22.2 33.4#





#22

Pentachlorophenol

Concen: 0.17 ng

RT: 16.76 min Scan# 965

Delta R.T. 0.03 min

Lab File: BM003928.D

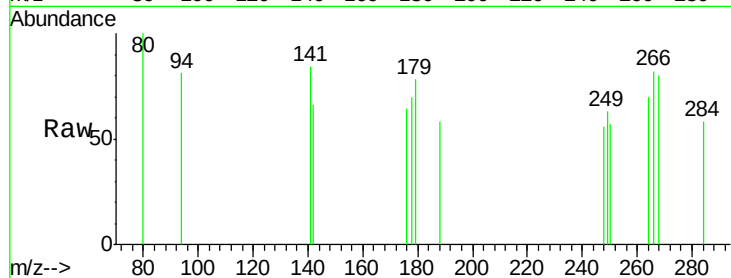
Acq: 08 Jan 2016 18:34

Instrument :

BNA_F

ClientSampleId :

OUTFALL001-160105



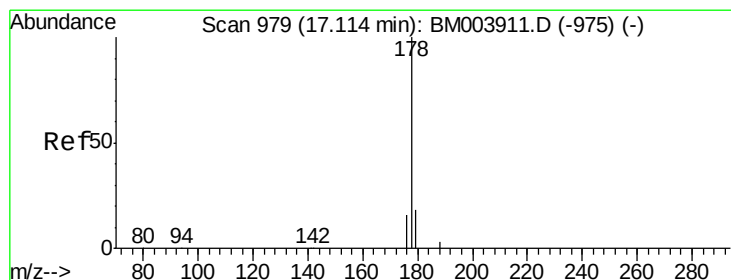
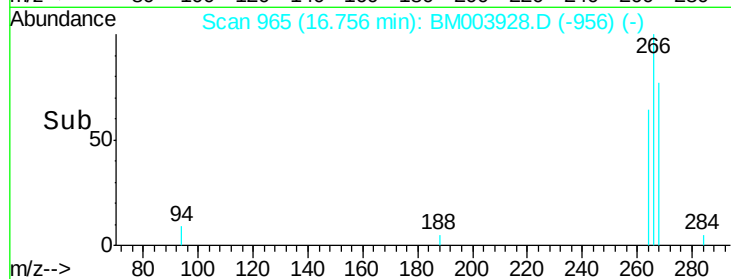
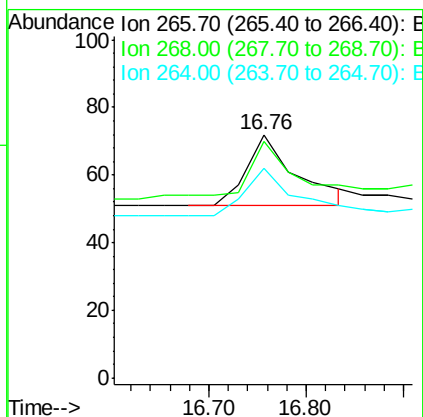
Tgt Ion: 266 Resp: 75

Ion Ratio Lower Upper

266 100

268 97.2 62.7 94.1#

264 86.1 45.7 68.5#



#23

Phenanthrene

Concen: Below Cal

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

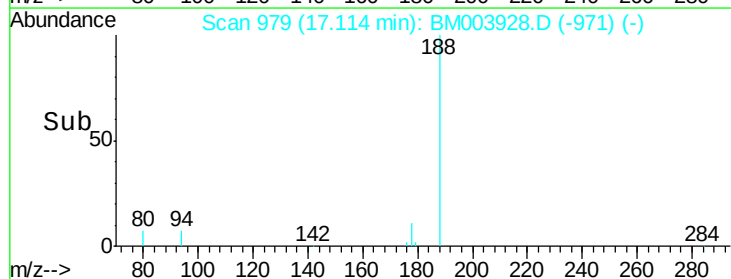
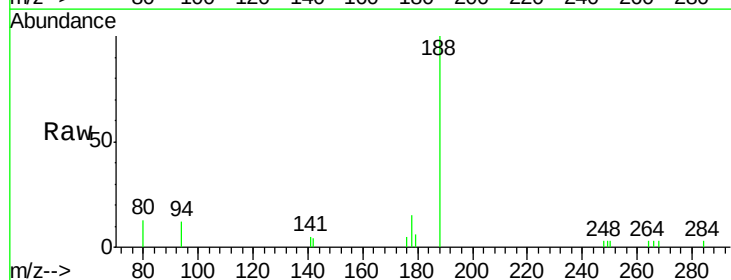
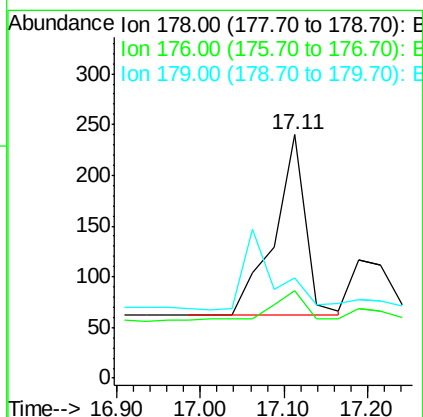
Tgt Ion: 178 Resp: 465

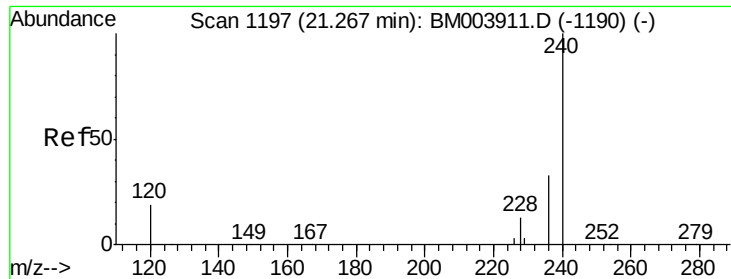
Ion Ratio Lower Upper

178 100

176 17.2 15.4 23.0

179 0.0 12.2 18.4#





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

Instrument :

BNA_F

ClientSampleId :

OUTFALL001-160105

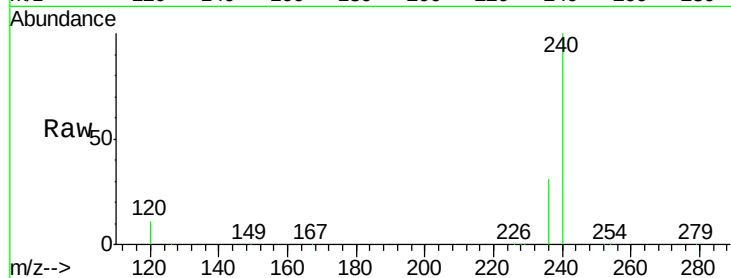
Tgt Ion:240 Resp: 120829

Ion Ratio Lower Upper

240 100

120 11.3 0.9 1.3#

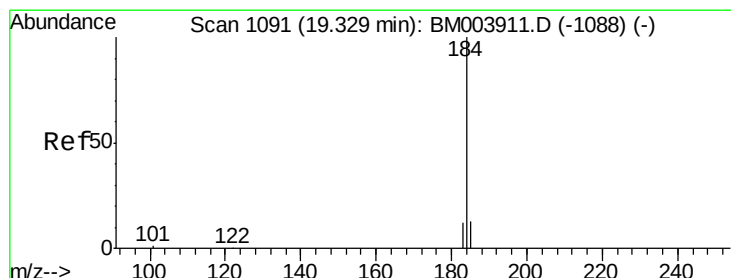
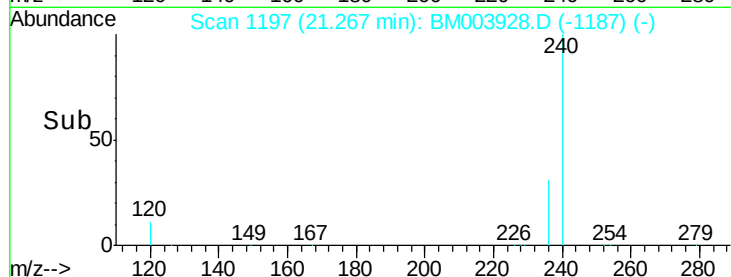
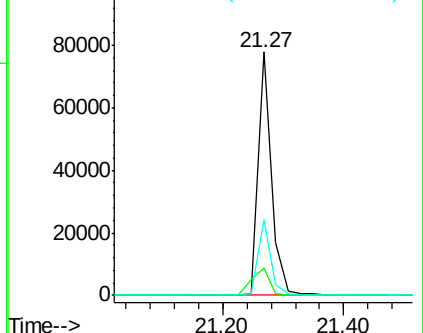
236 31.1 17.3 25.9#



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



#27

Benzidine

Concen: 0.14 ng

RT: 19.36 min Scan# 1093

Delta R.T. 0.03 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

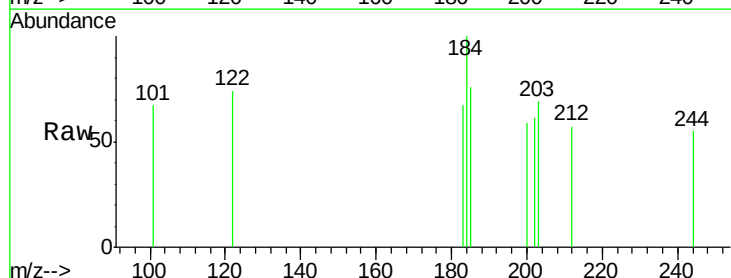
Tgt Ion:184 Resp: 159

Ion Ratio Lower Upper

184 100

185 76.1 13.2 19.8#

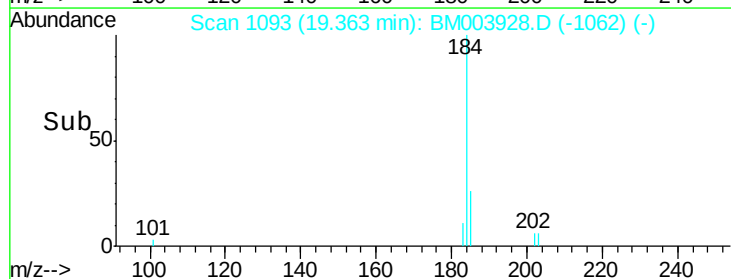
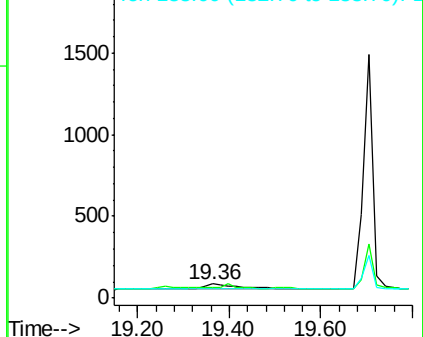
183 67.0 9.0 13.6#

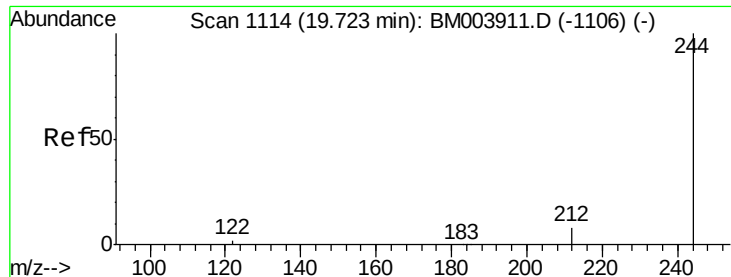


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#29

Terphenyl-d14

Concen: 4.38 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

Instrument :

BNA_F

ClientSampleId :

OUTFALL001-160105

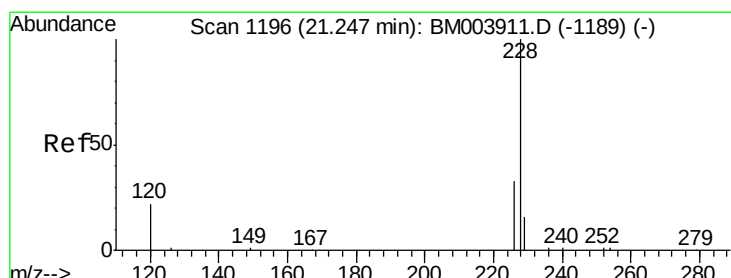
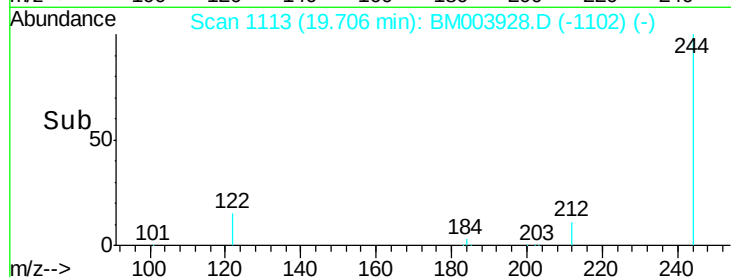
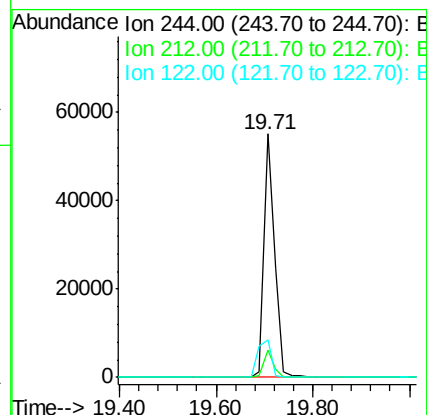
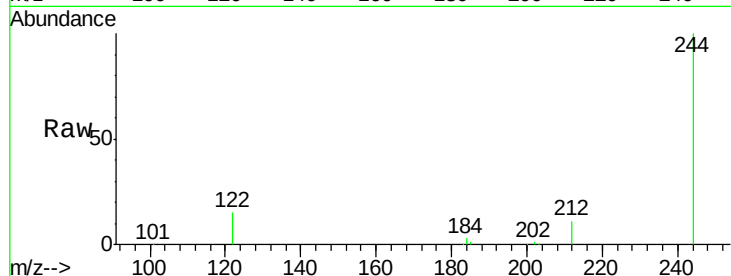
Tgt Ion:244 Resp: 85736

Ion Ratio Lower Upper

244 100

212 11.0 7.0 10.6#

122 15.3 3.0 4.6#



#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BM003928.D

Acq: 08 Jan 2016 18:34

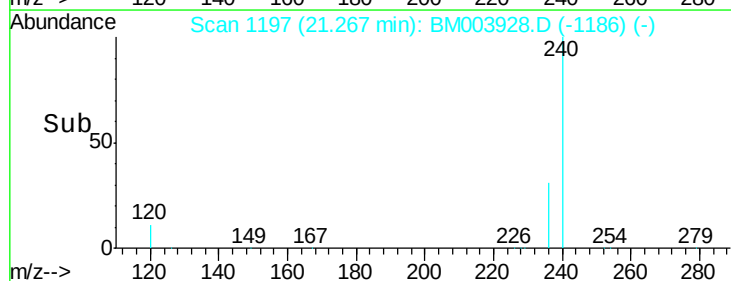
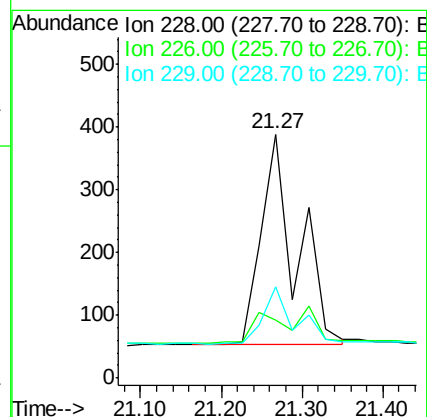
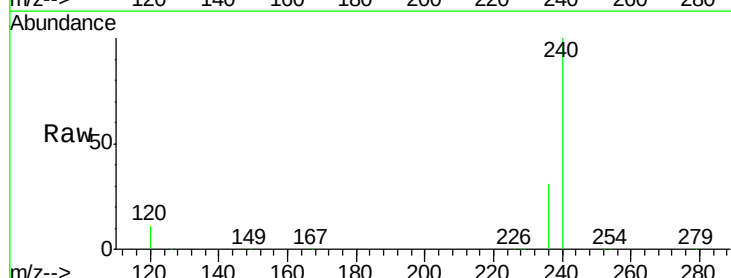
Tgt Ion:228 Resp: 1012

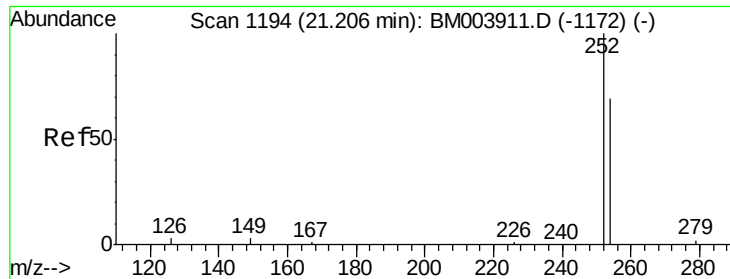
Ion Ratio Lower Upper

228 100

226 24.0 17.2 25.8

229 37.6 18.7 28.1#

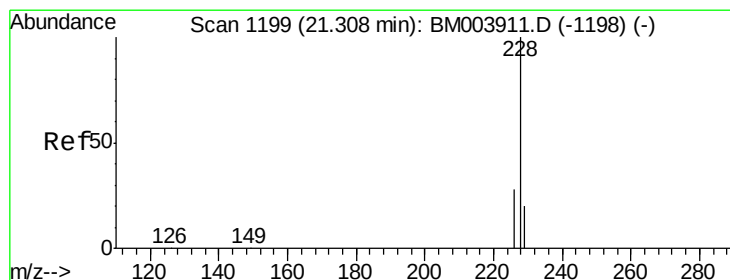
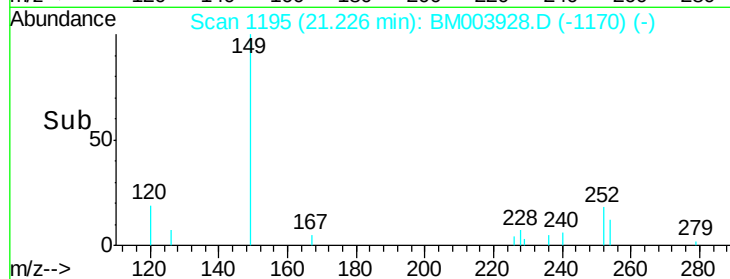
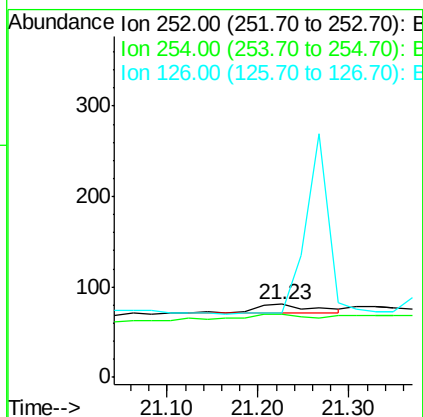
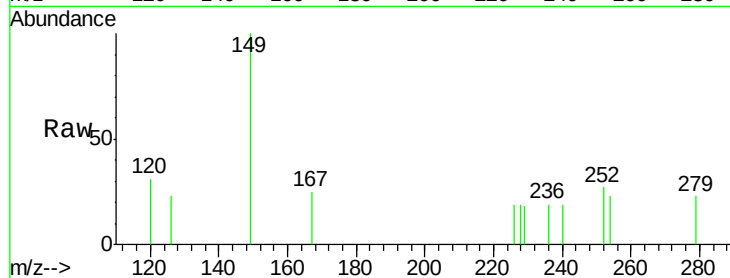




#31
 3,3'-Dichlorobenzidine
 Concen: 0.24 ng
 RT: 21.23 min Scan# 1195
 Delta R.T. 0.02 min
 Lab File: BM003928.D
 Acq: 08 Jan 2016 18:34

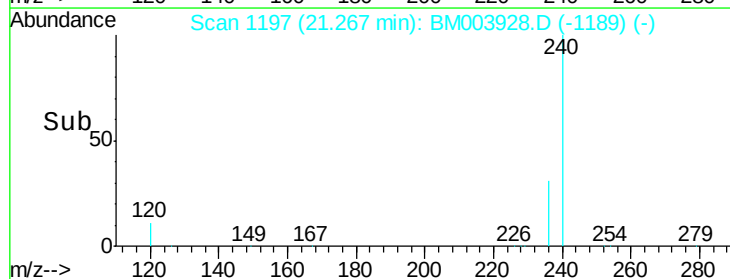
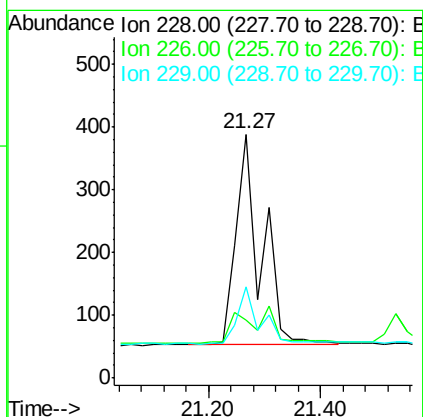
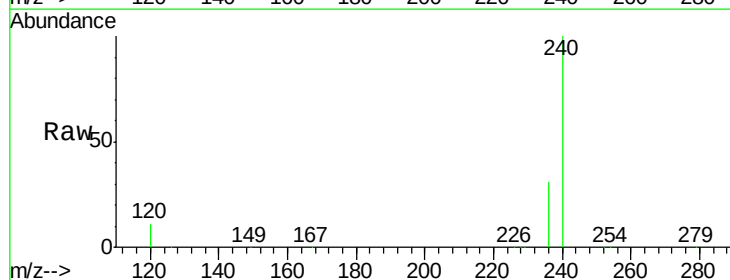
Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL001-160105

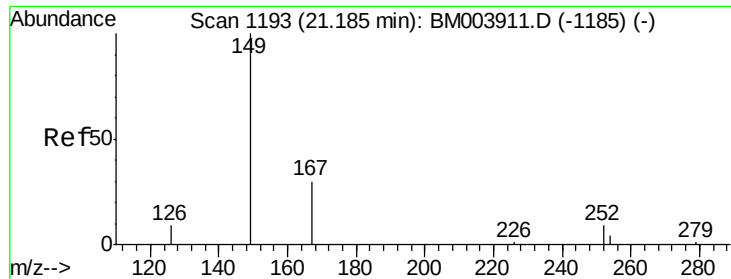
Tgt Ion: 252 Resp: 49
 Ion Ratio Lower Upper
 252 100
 254 86.4 52.6 79.0#
 126 87.7 3.7 5.5#



#32
 Chrysene
 Concen: 0.03 ng
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BM003928.D
 Acq: 08 Jan 2016 18:34

Tgt Ion: 228 Resp: 1035
 Ion Ratio Lower Upper
 228 100
 226 24.0 25.3 37.9#
 229 37.6 14.5 21.7#

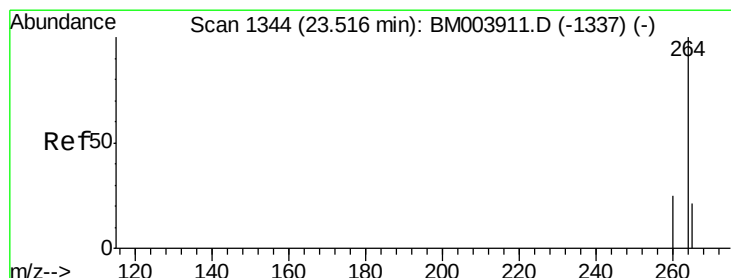
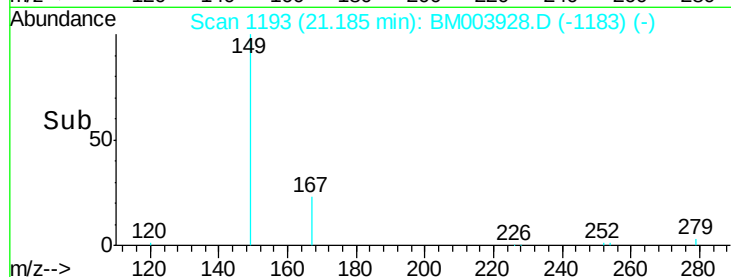
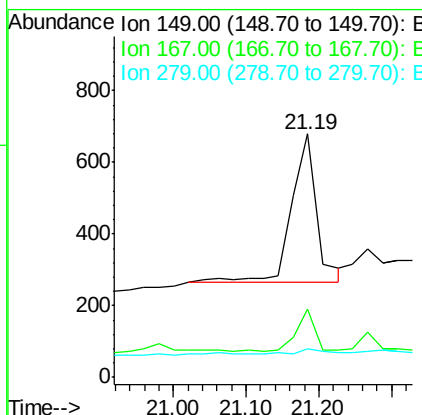
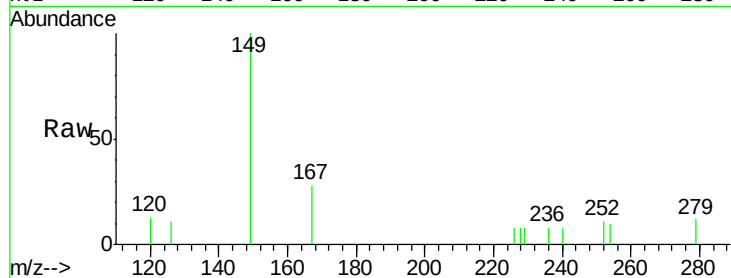




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.39 ng
 RT: 21.19 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: BM003928.D
 Acq: 08 Jan 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL001-160105

Tgt Ion:149 Resp: 1016
 Ion Ratio Lower Upper
 149 100
 167 19.6 20.1 30.1#
 279 2.5 0.0 0.0#



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BM003928.D
 Acq: 08 Jan 2016 18:34

Tgt Ion:264 Resp: 94424
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.2 31.8
 265 20.6 16.7 25.1

