

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\
 Data File : BE093944.D
 Acq On : 5 Sep 2017 19:38
 Operator : SJ/JU
 Sample : I5057-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MWHR2-10

Quant Time: Sep 06 05:28:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

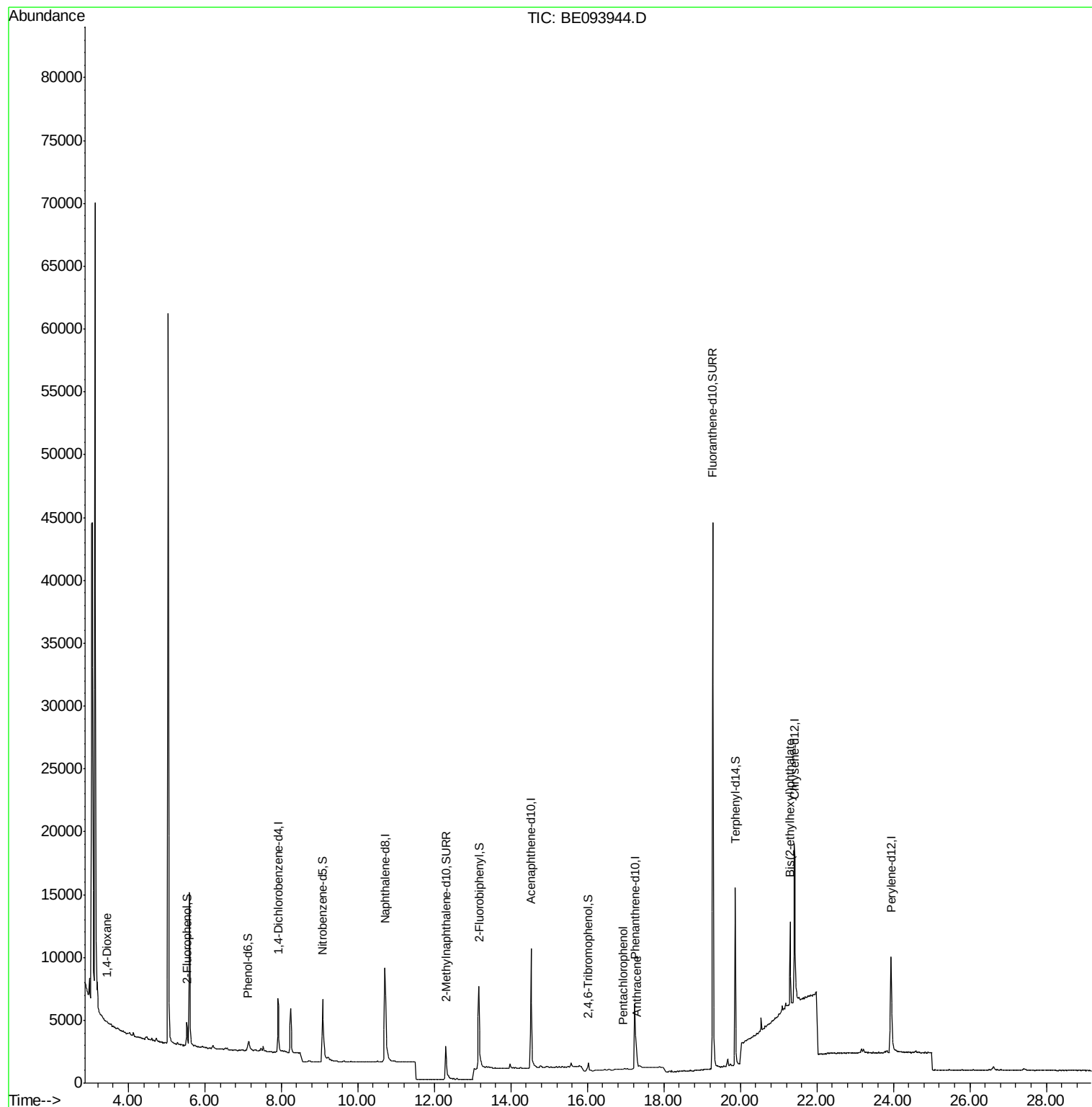
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2473	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11504	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	6627	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11909	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	16851	0.40	ng	-0.01
34) Perylene-d12	23.94	264	14345	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.54	112	1203	0.15	ng	0.00
5) Phenol-d6	7.12	99	1017	0.08	ng	0.00
8) Nitrobenzene-d5	9.08	82	3075	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	5777	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	673	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	8933	0.34	ng	0.00
25) Fluoranthene-d10	19.28	212	61482	0.35	ng	0.00
29) Terphenyl-d14	19.87	244	13448	0.43	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.44	88	162	0.048	ng	# 18
20) 4-Bromophenyl-phenylether	16.45	248	76	Below Cal	#	52
22) Pentachlorophenol	16.94	266	41	0.022	ng	# 66
23) Phenanthrene	17.30	178	1015	Below Cal	#	82
24) Anthracene	17.30	178	1046	0.029	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.30	149	7728	0.061	ng	# 96

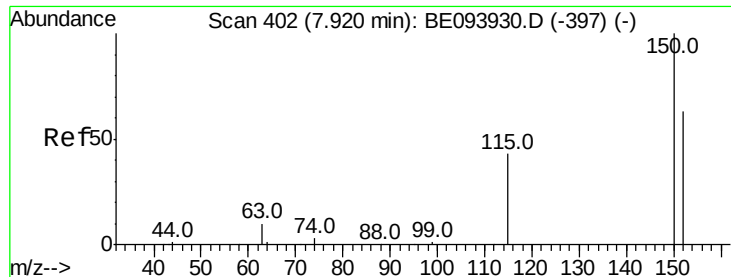
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\
Data File : BE093944.D
Acq On : 5 Sep 2017 19:38
Operator : SJ/JU
Sample : I5057-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MWHR2-10

Quant Time: Sep 06 05:28:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

MWHR2-10

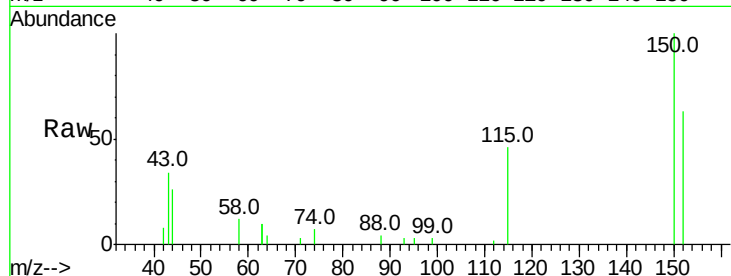
Tot Ion:152 Resp: 2473

Ion Ratio Lower Upper

152 100

150 159.1 121.8 182.6

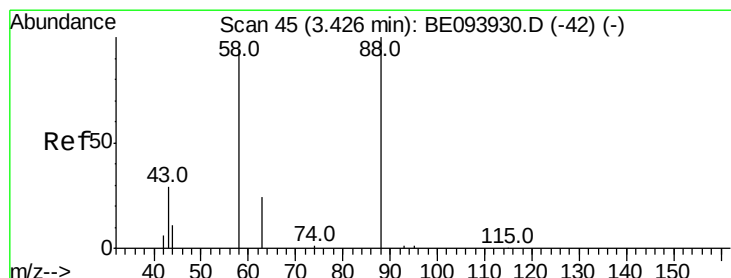
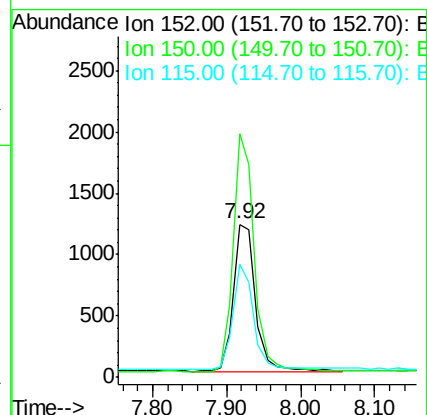
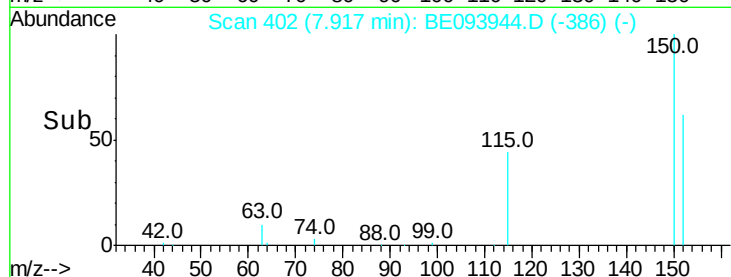
115 73.9 52.6 79.0



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



#2

1,4-Dioxane

Concen: 0.048 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

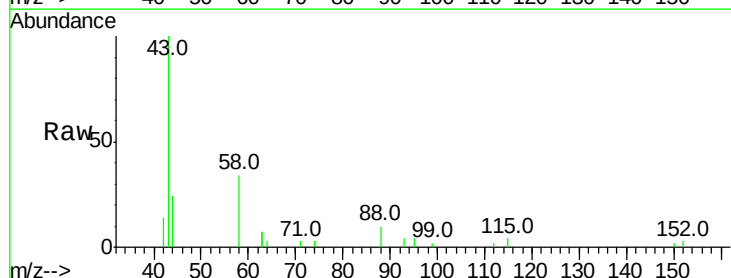
Tgt Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

58 0.0 65.4 98.0#

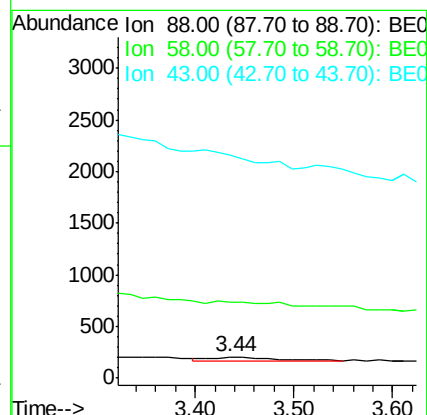
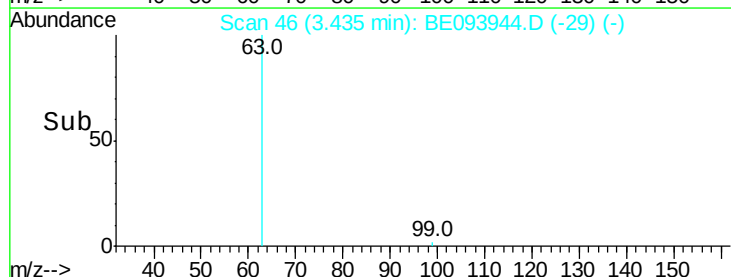
43 0.0 23.9 35.9#

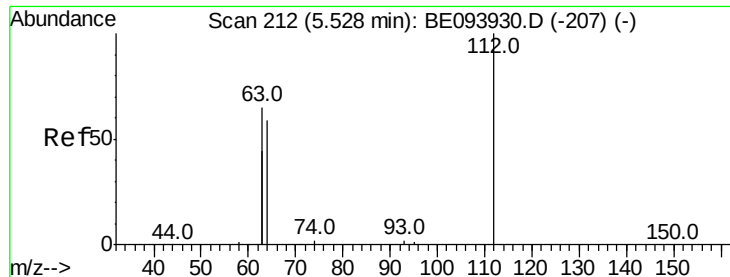


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.150 ng

RT: 5.54 min Scan# 213

Delta R.T. 0.01 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

MWHR2-10

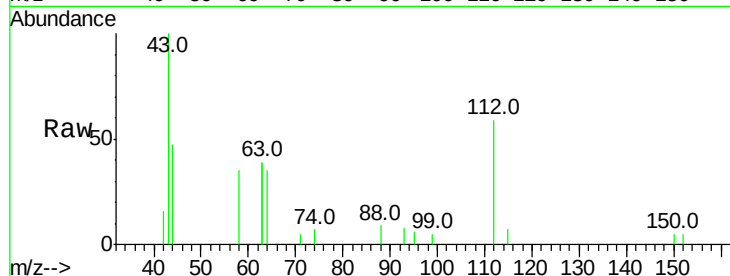
Tot Ion: 112 Resp: 1203

Ion Ratio Lower Upper

112 100

64 74.8 57.7 86.5

63 161.0 116.0 174.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

1500

1000

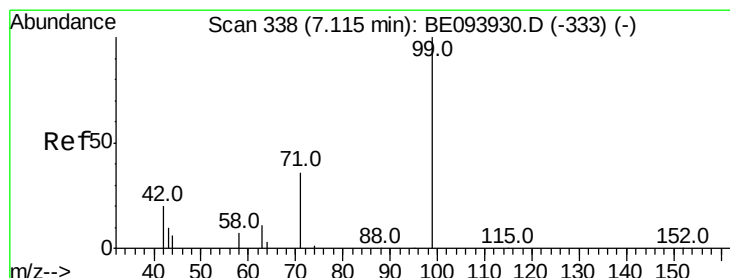
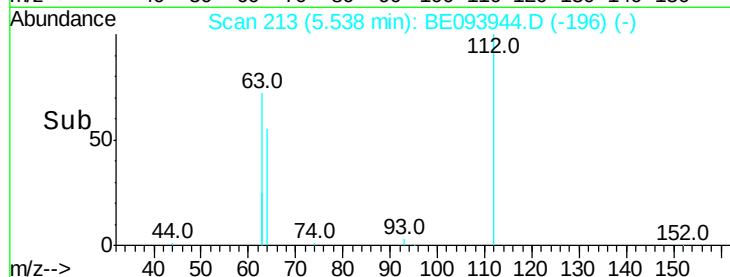
500

0

5.54

5.40 5.50 5.60 5.70

Time-->



#5

Phenol-d6

Concen: 0.085 ng

RT: 7.12 min Scan# 339

Delta R.T. 0.01 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

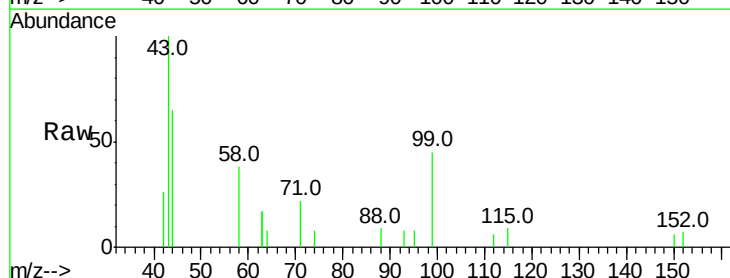
Tgt Ion: 99 Resp: 1017

Ion Ratio Lower Upper

99 100

42 24.1 17.1 25.7

71 29.6 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

500

400

300

200

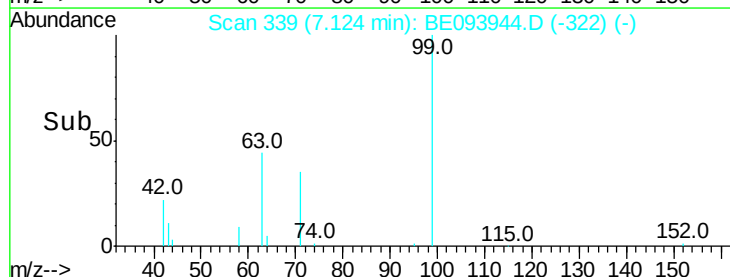
100

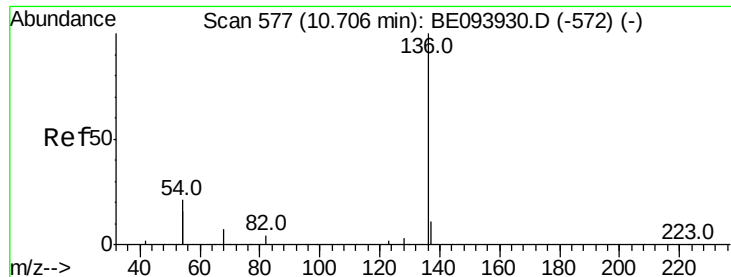
0

7.12

6.90 7.00 7.10 7.20 7.30

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

MWHR2-10

Tot Ion:136 Resp: 11504

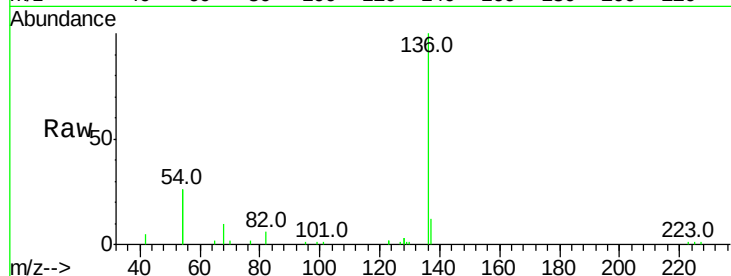
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 51.2 21.9 32.9#

68 9.7 4.6 7.0#

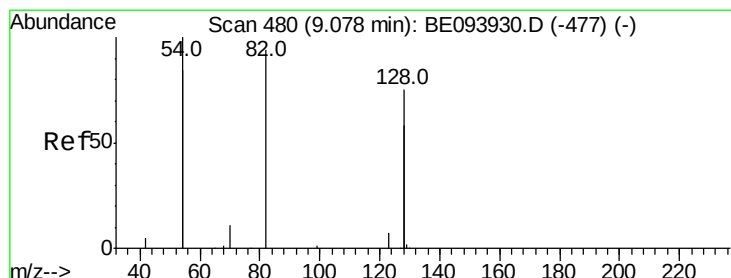
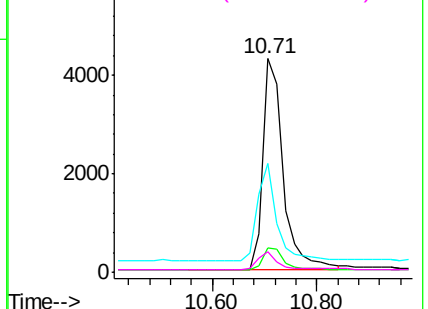
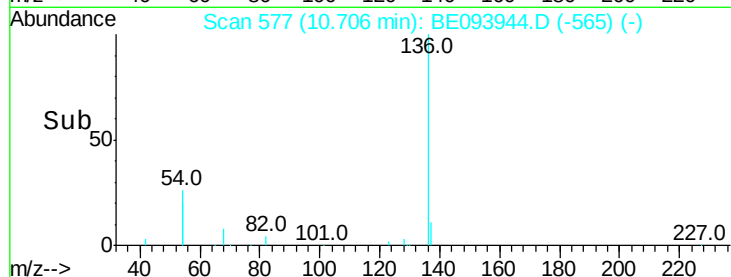


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.316 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

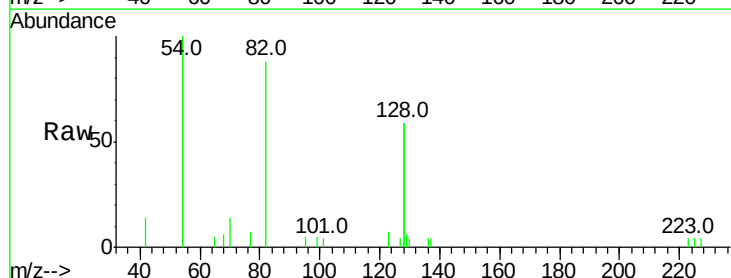
Tgt Ion: 82 Resp: 3075

Ion Ratio Lower Upper

82 100

128 135.1 91.4 137.0

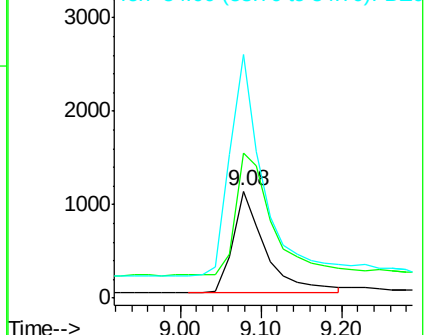
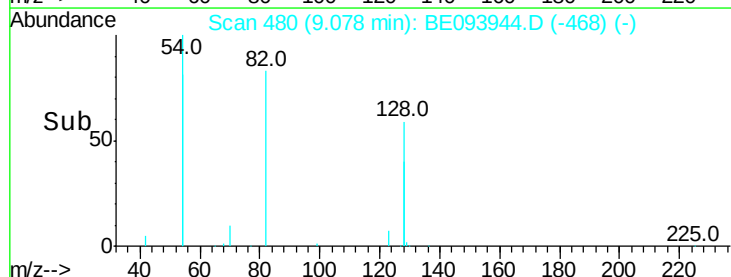
54 227.8 197.8 296.8

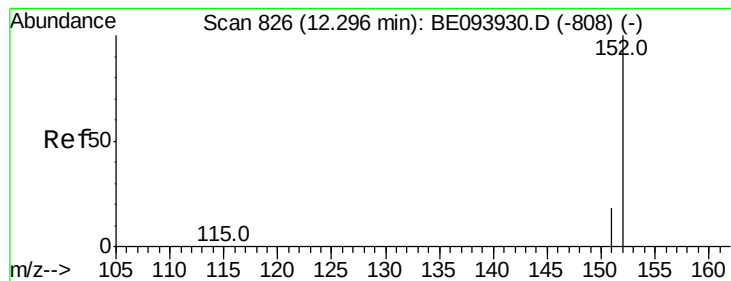


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.314 ng

RT: 12.30 min Scan# 827

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

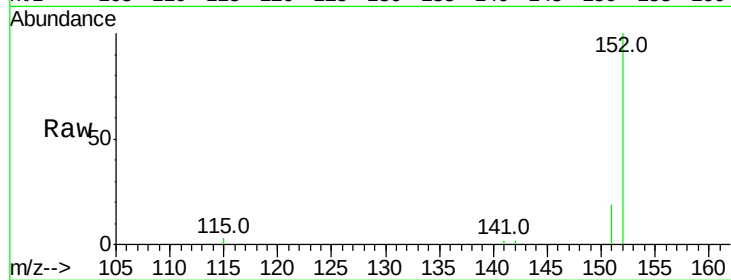
MWHR2-10

Tot Ion:152 Resp: 5777

Ion Ratio Lower Upper

152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

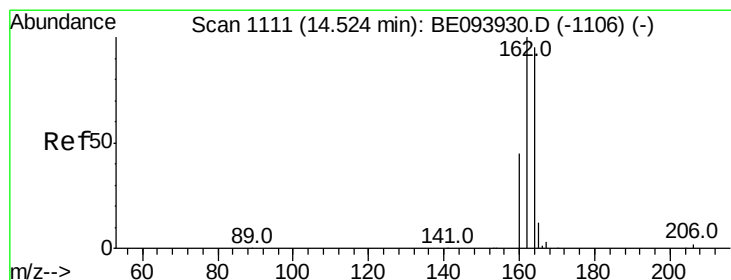
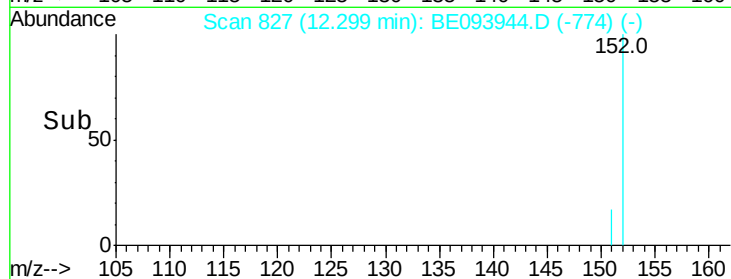
1500

1000

500

0

Time--> 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

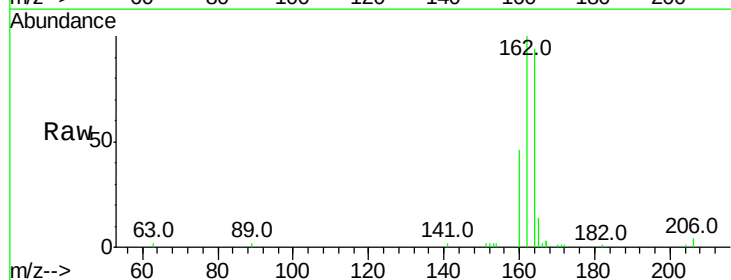
Tgt Ion:164 Resp: 6627

Ion Ratio Lower Upper

164 100

162 106.2 80.8 121.2

160 49.3 37.0 55.4



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

5000

4000

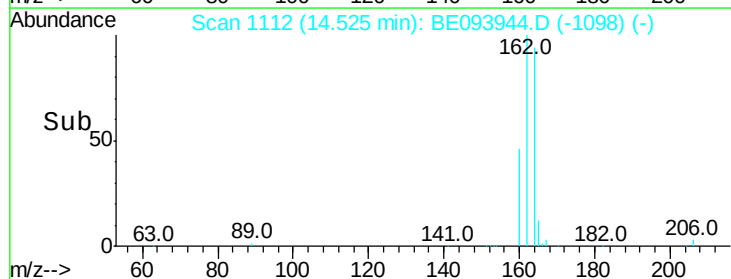
3000

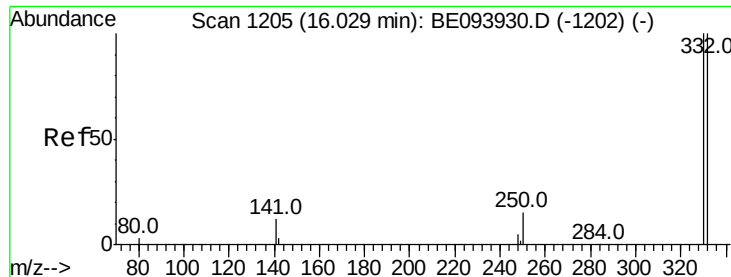
2000

1000

0

Time--> 14.40 14.50 14.60 14.70





#14

2,4,6-Tribromophenol

Concen: 0.328 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

MWHR2-10

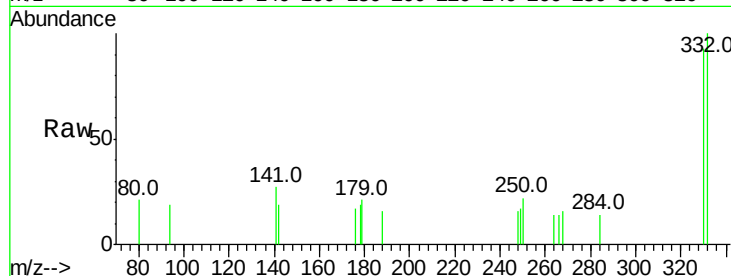
Tot Ion:330 Resp: 673

Ion Ratio Lower Upper

330 100

332 105.8 76.9 115.3

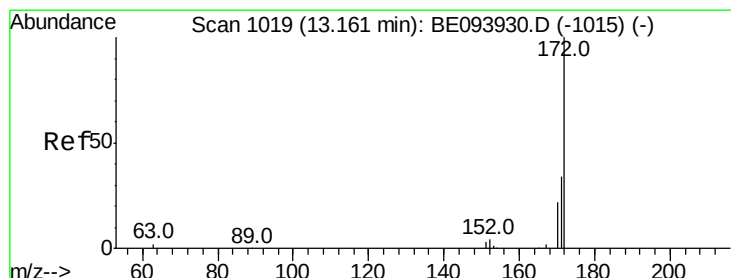
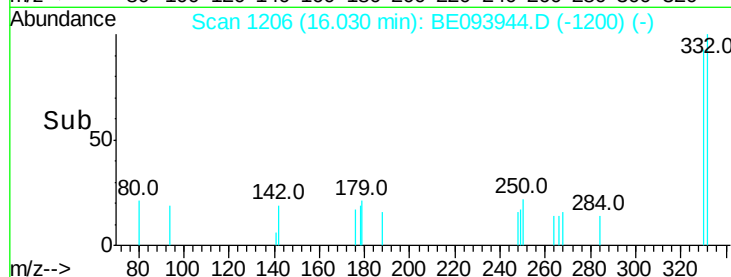
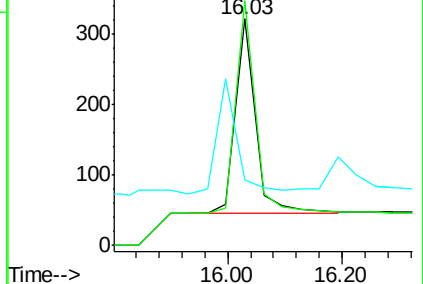
141 0.0 0.0 0.0



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.341 ng

RT: 13.16 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

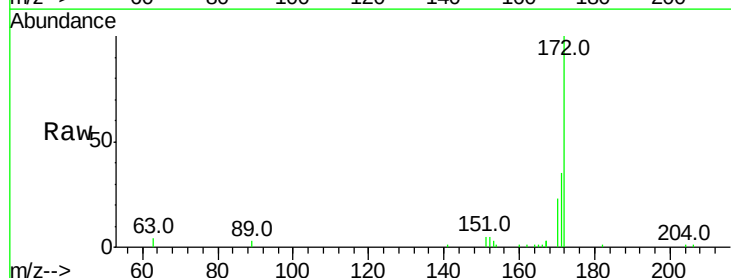
Tgt Ion:172 Resp: 8933

Ion Ratio Lower Upper

172 100

171 34.9 26.9 40.3

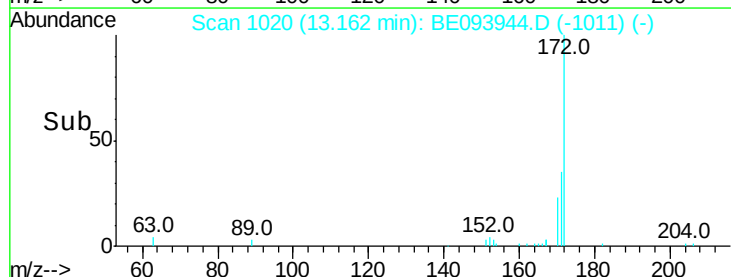
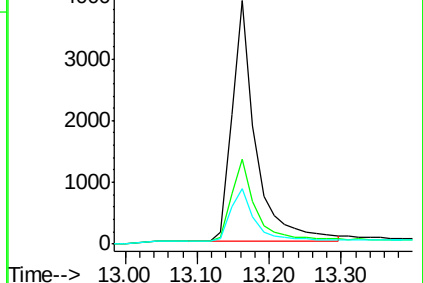
170 22.7 17.3 25.9

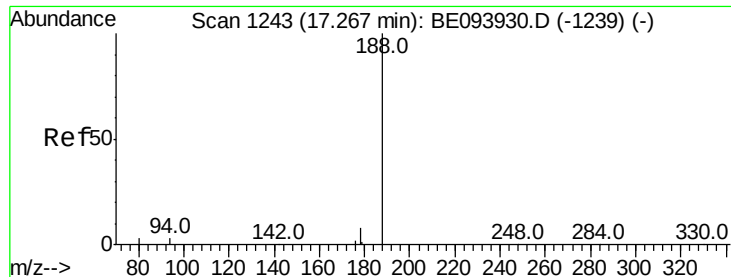


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

MWHR2-10

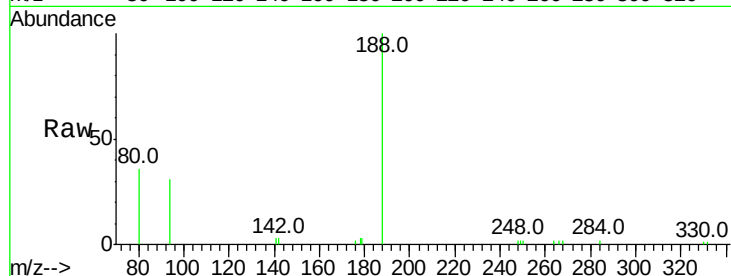
Tot Ion:188 Resp: 11909

Ion Ratio Lower Upper

188 100

94 30.9 16.1 24.1#

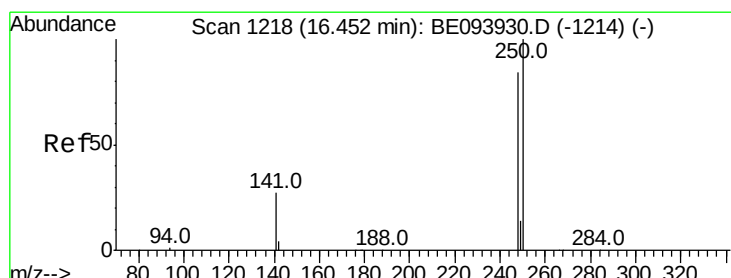
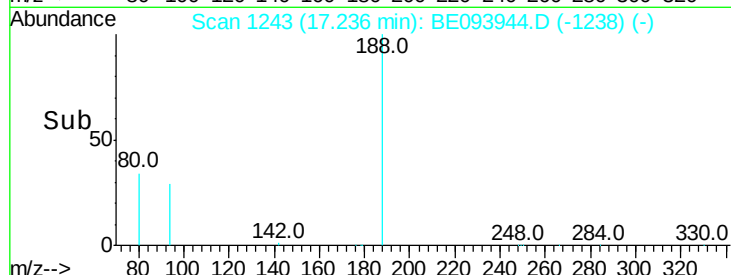
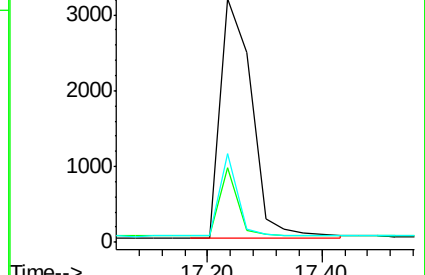
80 36.3 18.2 27.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

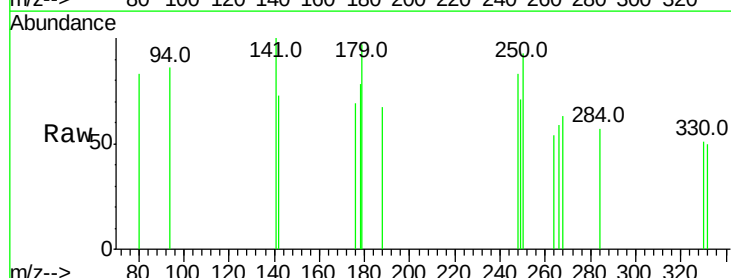
Tgt Ion:248 Resp: 76

Ion Ratio Lower Upper

248 100

250 112.0 111.8 167.8

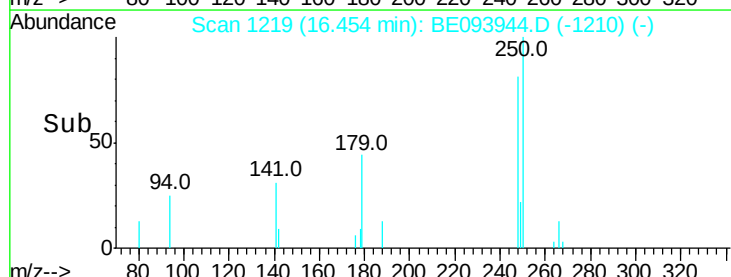
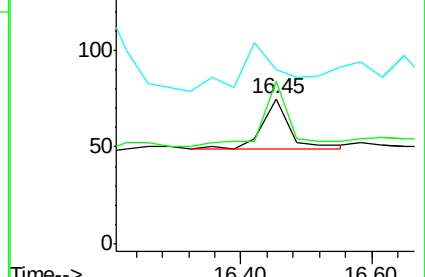
141 120.0 27.1 40.7#

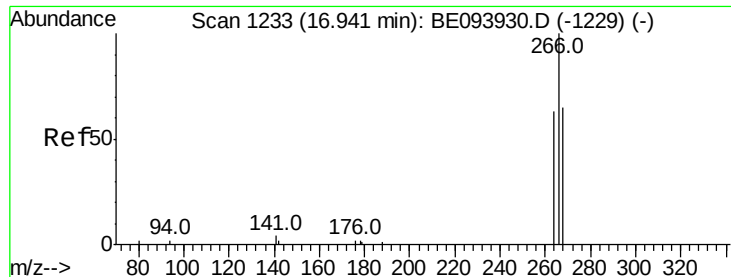


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.022 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampled :

MWHR2-10

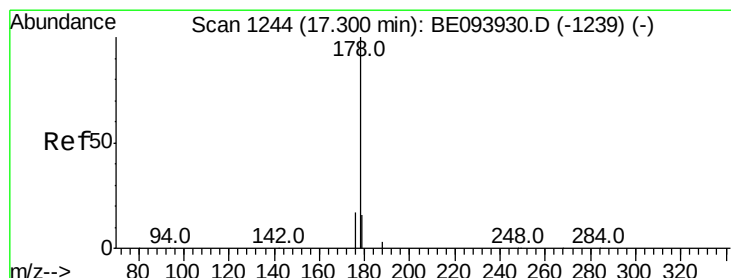
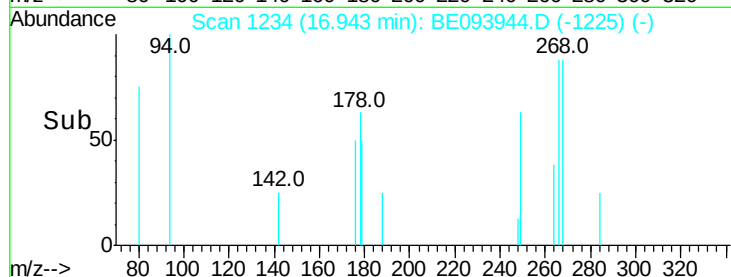
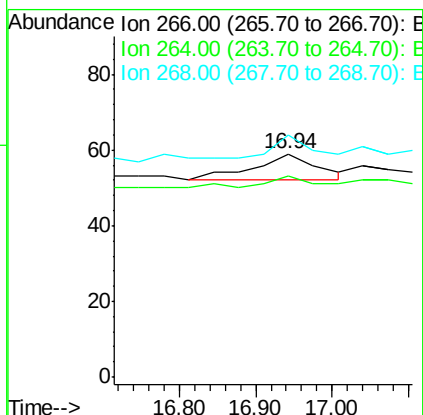
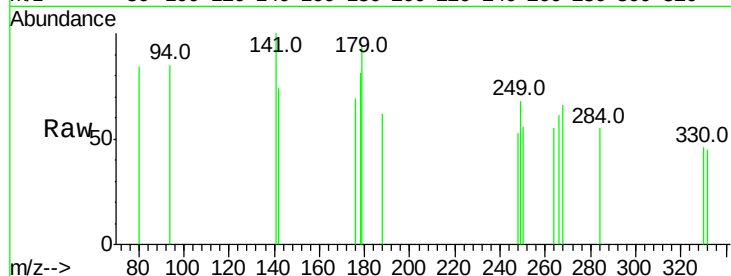
Tot Ion:266 Resp: 41

Ion Ratio Lower Upper

266 100

264 89.8 53.5 80.3#

268 108.5 60.0 90.0#



#23

Phenanthrene

Concen: Below Cal

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

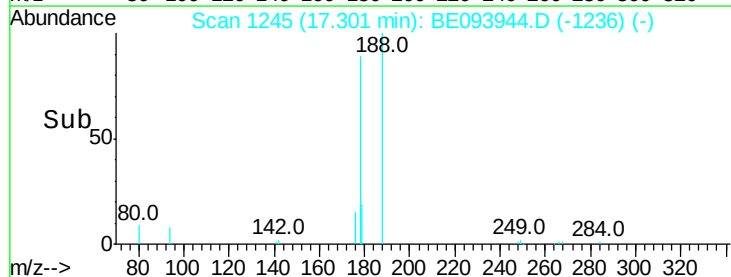
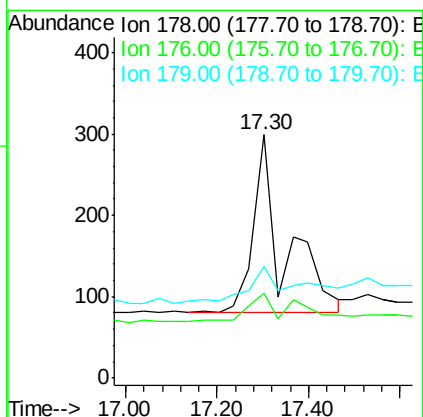
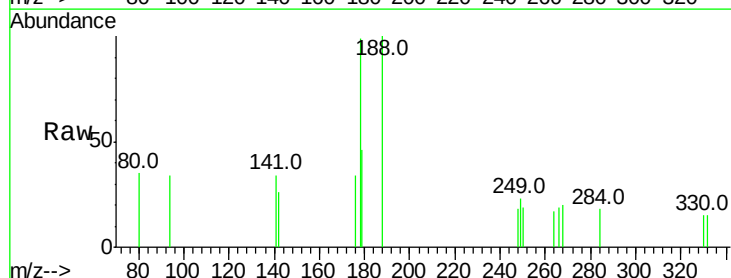
Tgt Ion:178 Resp: 1015

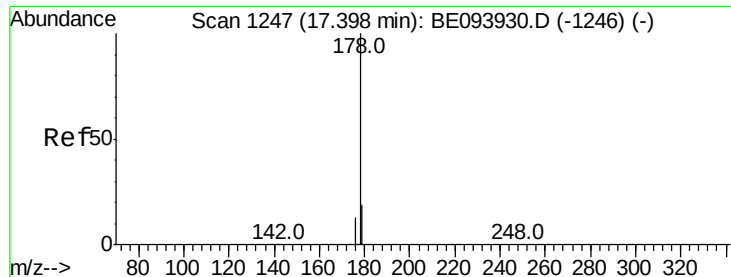
Ion Ratio Lower Upper

178 100

176 12.5 0.0 0.0#

179 23.2 12.6 18.8#





#24

Anthracene

Concen: 0.029 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

MWHR2-10

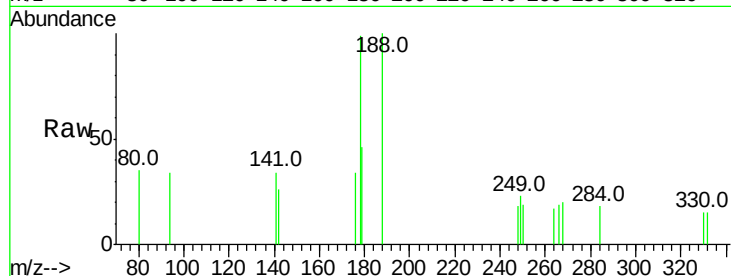
Tot Ion:178 Resp: 1046

Ion Ratio Lower Upper

178 100

176 12.1 16.0 24.0#

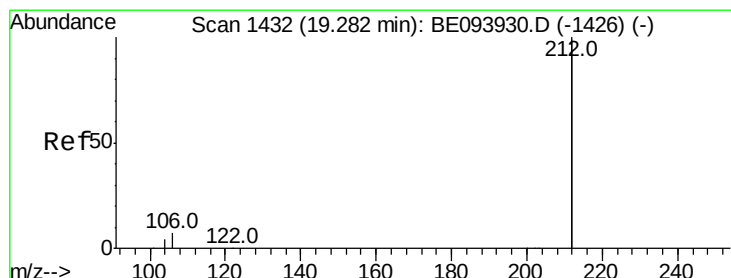
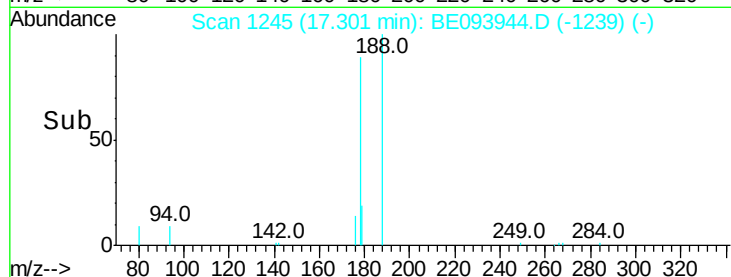
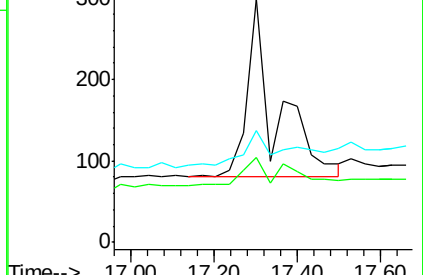
179 18.0 0.0 0.0#



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



#25

Fluoranthene-d10

Concen: 0.347 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

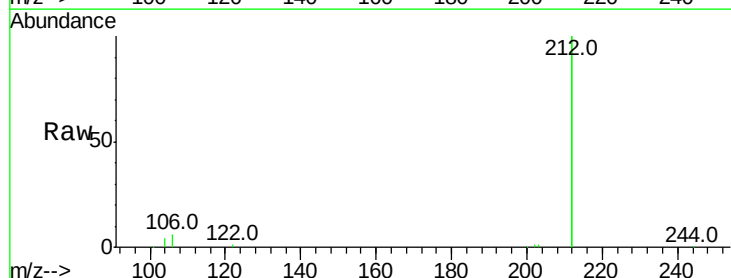
Tgt Ion:212 Resp: 61482

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

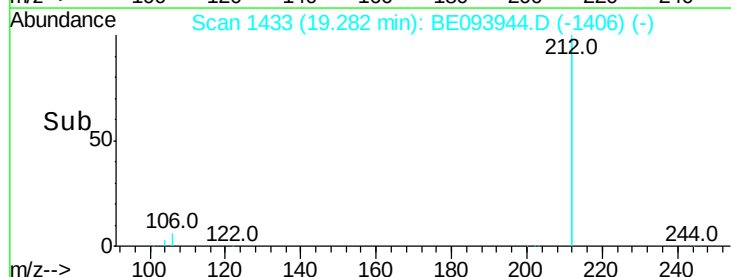
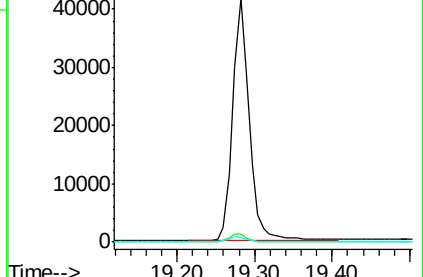
104 2.0 1.6 2.4

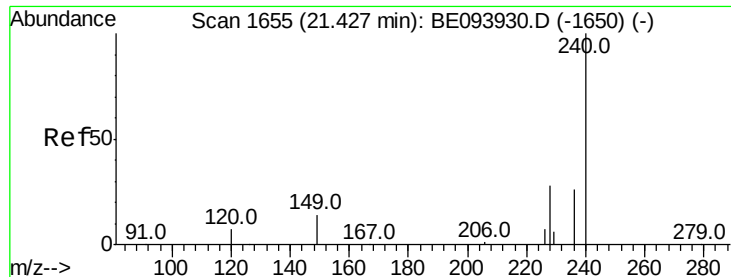


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

Instrument :

BNA_E

ClientSampleId :

MWHR2-10

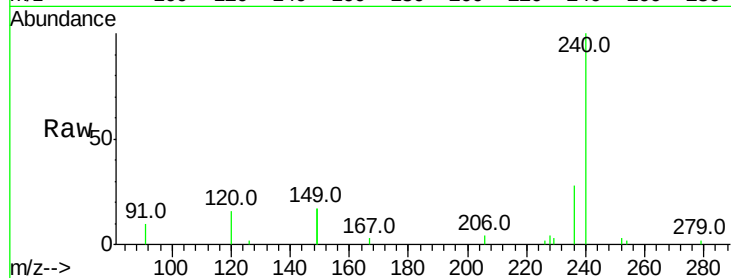
Tot Ion:240 Resp: 16851

Ion Ratio Lower Upper

240 100

120 15.6 8.7 13.1#

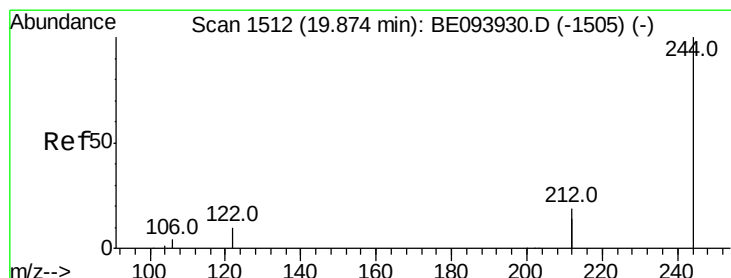
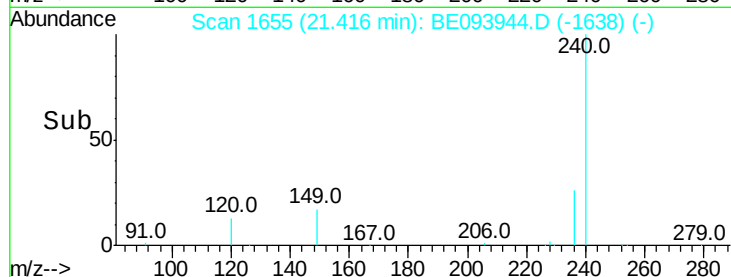
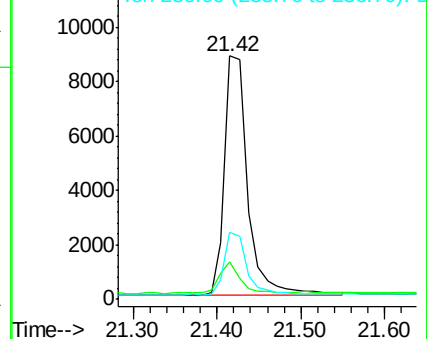
236 27.7 21.3 31.9



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



#29

Terphenyl-d14

Concen: 0.434 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093944.D

Acq: 5 Sep 2017 19:38

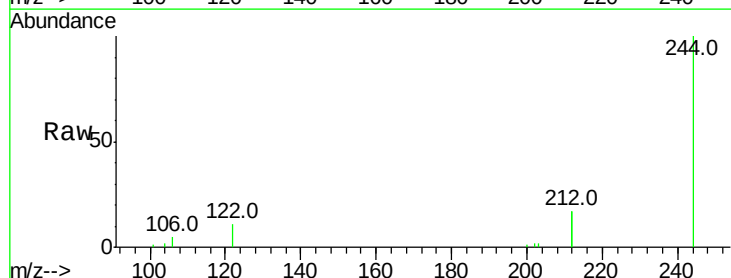
Tgt Ion:244 Resp: 13448

Ion Ratio Lower Upper

244 100

212 34.3 28.3 42.5

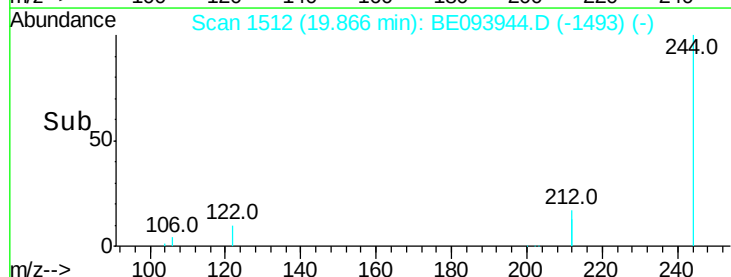
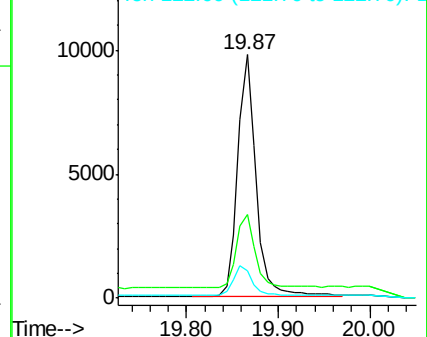
122 11.1 9.4 14.0

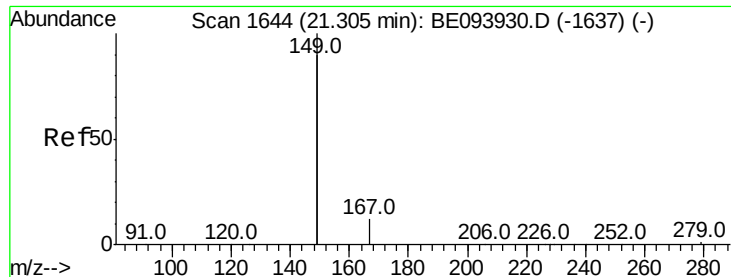


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

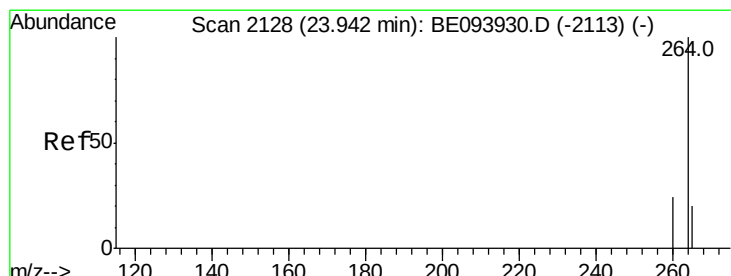
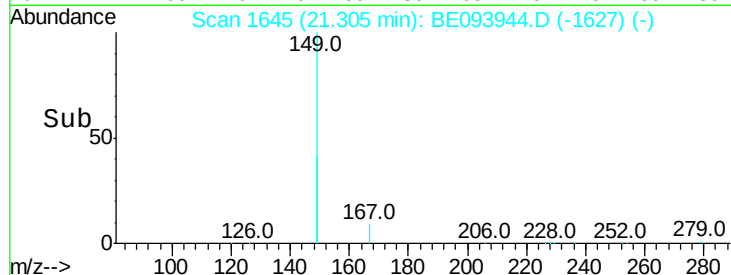
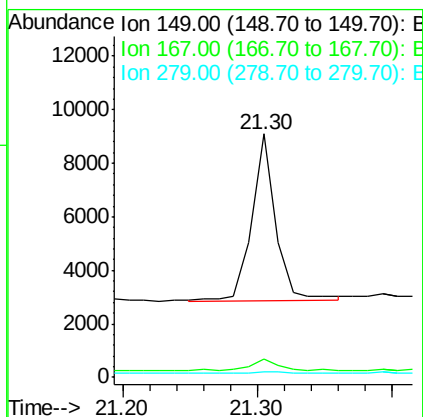
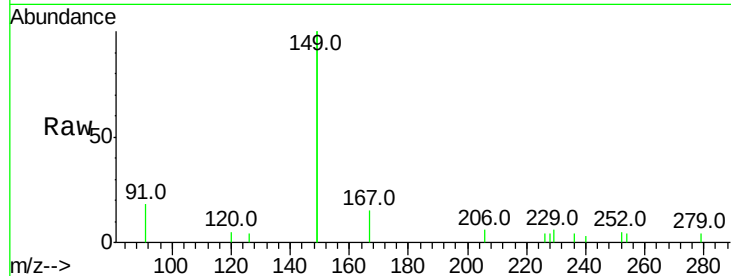




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.061 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE093944.D
 Acq: 5 Sep 2017 19:38

Instrument :
 BNA_E
 ClientSampleId :
 MWHR2-10

Tot Ion:149 Resp: 7728
 Ion Ratio Lower Upper
 149 100
 167 8.0 5.4 8.0
 279 1.2 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BE093944.D
 Acq: 5 Sep 2017 19:38

Tgt Ion:264 Resp: 14345
 Ion Ratio Lower Upper
 264 100
 260 26.8 20.0 30.0
 265 38.6 24.0 36.0#

