

Data Path : Z:\HPCHEM1\BNA E\Data\BE070717\
 Data File : BE093445.D
 Acq On : 7 Jul 2017 16:19
 Operator : SJ/JU
 Sample : I4009-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-22BR-20170630

Quant Time: Jul 07 18:08:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.942	152	4130	0.40	ng	0.00
7) Naphthalene-d8	10.723	136	21818	0.40	ng	0.00
13) Acenaphthene-d10	14.540	164	13797	0.40	ng	0.00
19) Phenanthrene-d10	17.268	188	27955	0.40	ng	0.00
27) Chrysene-d12	21.426	240	38917	0.40	ng	0.00
34) Perylene-d12	23.935	264	33264	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.525	112	1939	0.16	ng	0.00
5) Phenol-d6	7.098	99	1841	0.10	ng	0.00
8) Nitrobenzene-d5	9.078	82	5379	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.307	152	11717	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.030	330	1152	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.177	172	31094	0.58	ng	0.00
25) Fluoranthene-d10	19.289	212	148761	0.44	ng	0.00
29) Terphenyl-d14	19.873	244	34803	0.50	ng	0.00

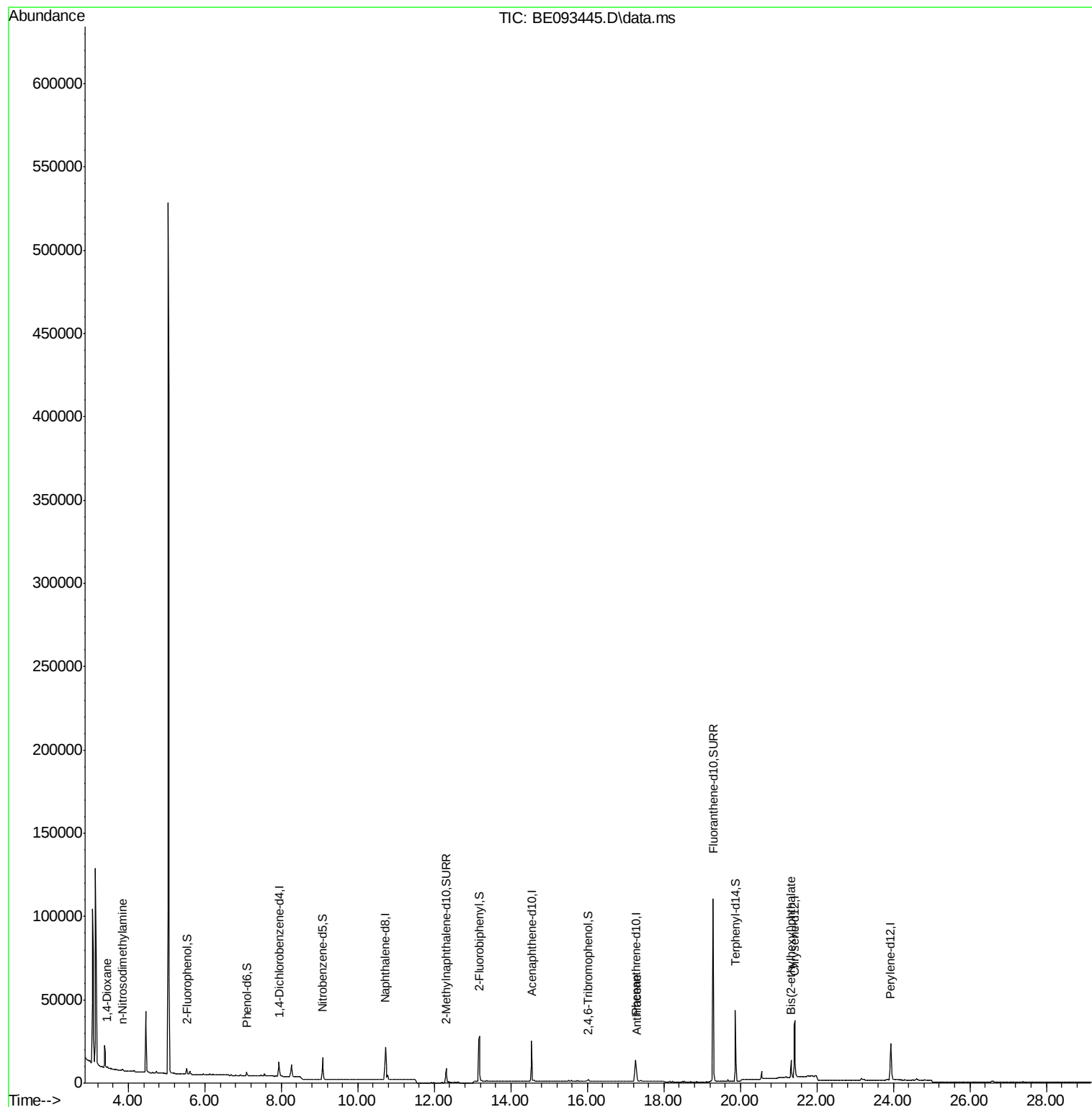
Target Compounds						Qvalue
2) 1,4-Dioxane	3.447	88	869	0.10	ng	# 71
3) n-Nitrosodimethylamine	3.838	42	54	0.13	ng	# 33
22) Pentachlorophenol	16.910	266	92	Below	Cal	89
24) Anthracene	17.301	178	1457	0.02	ng	98
32) Bis(2-ethylhexyl)phtha...	21.326	149	11956	0.08	ng	# 66

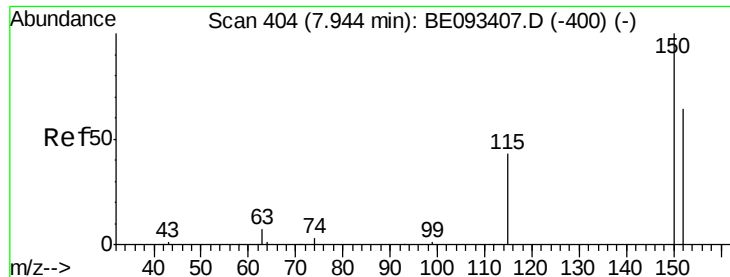
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.942 min Scan# 40

Delta R.T. -0.002 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

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BNA_E

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MW-22BR-20170630

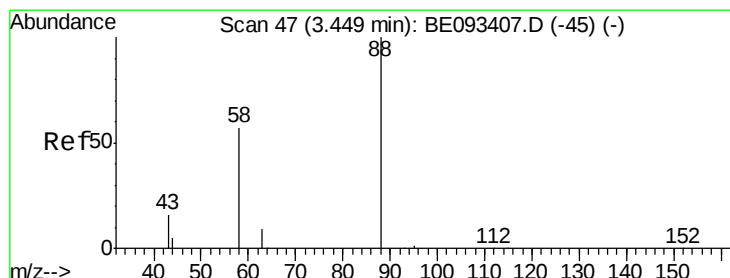
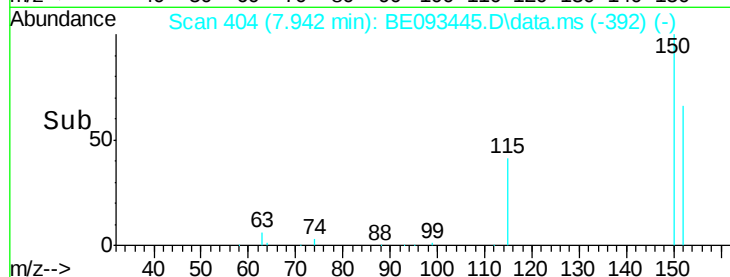
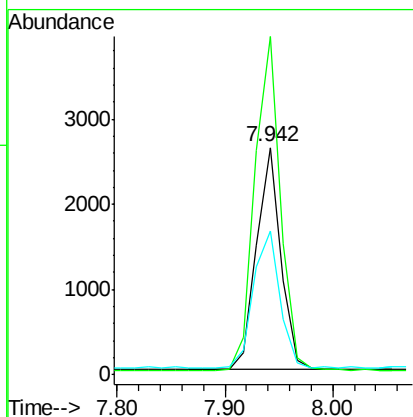
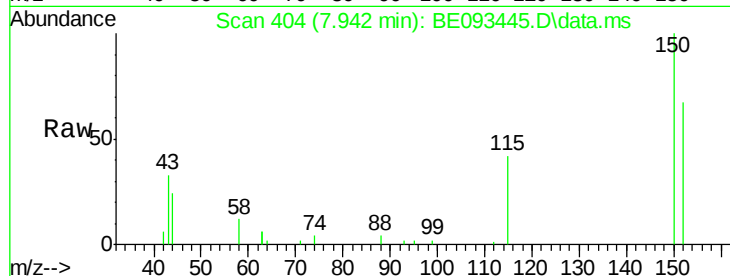
Tot Ion:152 Resp: 4130

Ion Ratio Lower Upper

152 100

150 149.0 125.1 187.7

115 63.2 55.7 83.5



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 3.447 min Scan# 47

Delta R.T. -0.002 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

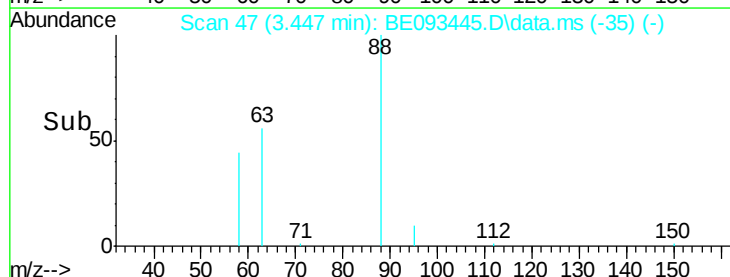
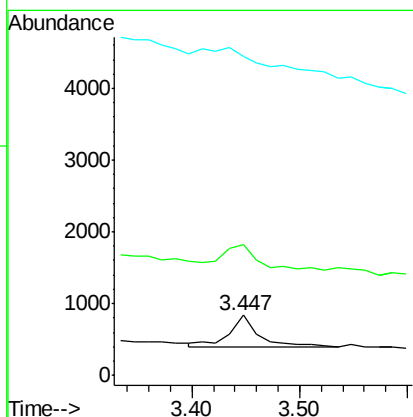
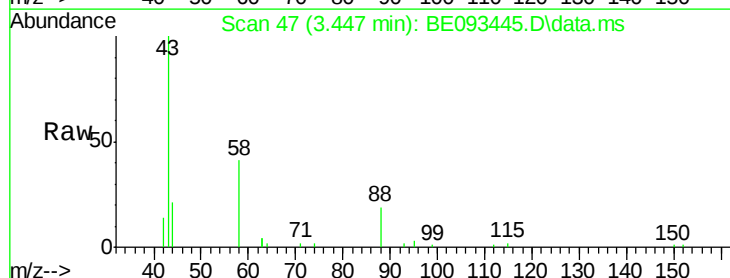
Tgt Ion: 88 Resp: 869

Ion Ratio Lower Upper

88 100

58 94.2 62.2 93.4#

43 0.0 23.2 34.8#





#3

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.838 min Scan# 78

Delta R.T. 0.075 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

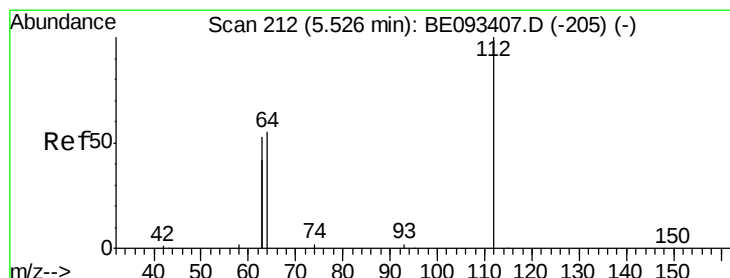
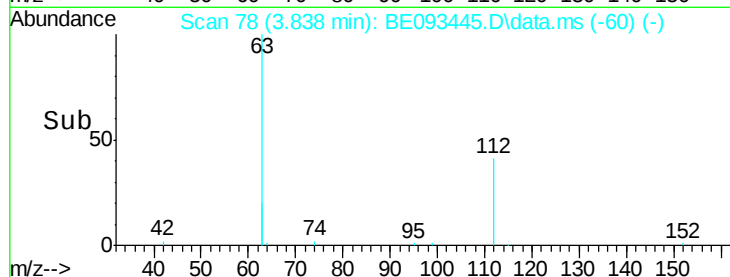
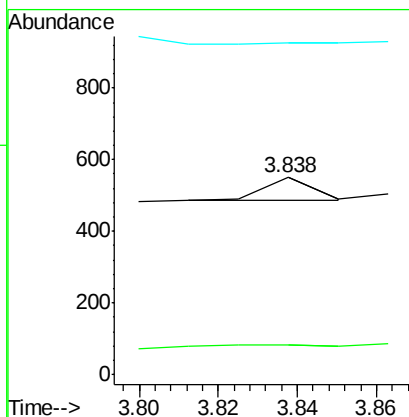
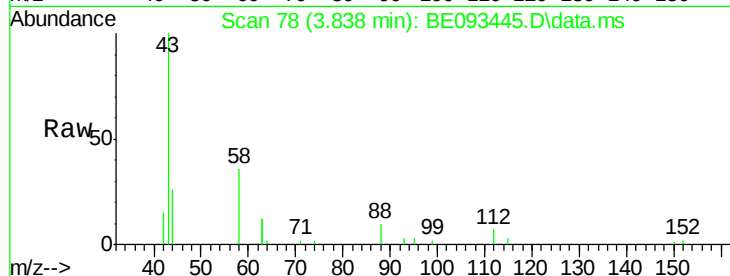
Tot Ion: 42 Resp: 54

Ion Ratio Lower Upper

42 100

74 44.4 99.1 148.7#

44 0.0 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.16 ng

RT: 5.525 min Scan# 212

Delta R.T. -0.002 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

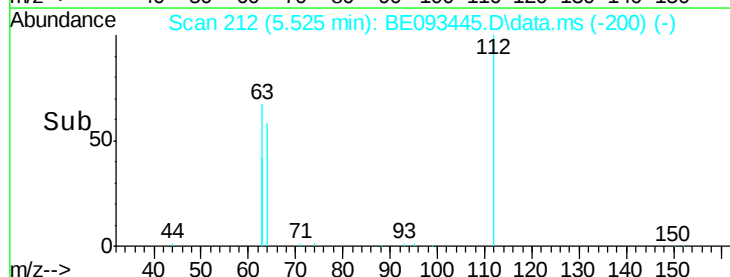
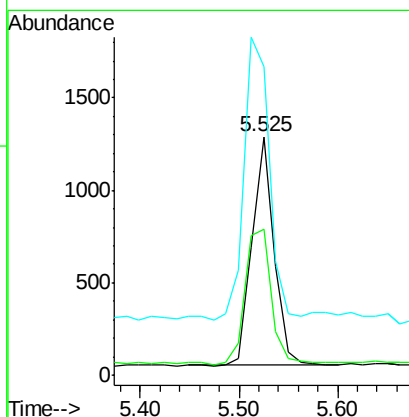
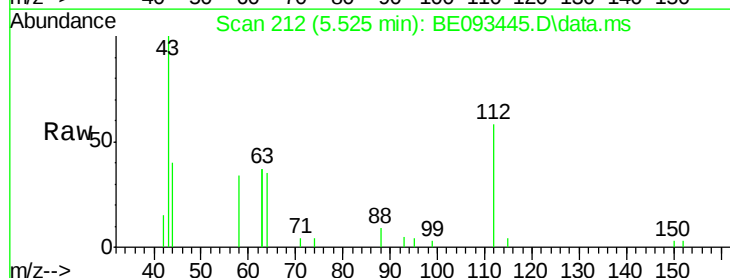
Tgt Ion: 112 Resp: 1939

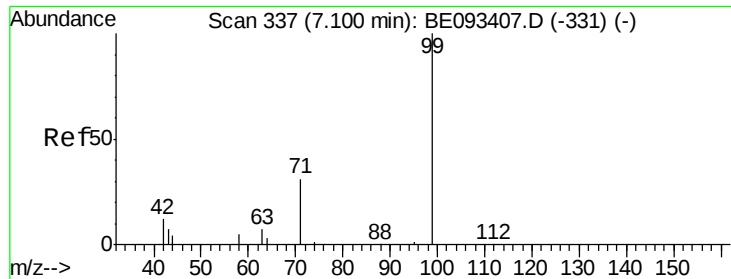
Ion Ratio Lower Upper

112 100

64 71.9 56.4 84.6

63 139.5 29.3 43.9#





#5

Phenol-d6

Concen: 0.10 ng

RT: 7.098 min Scan# 33

Delta R.T. -0.002 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

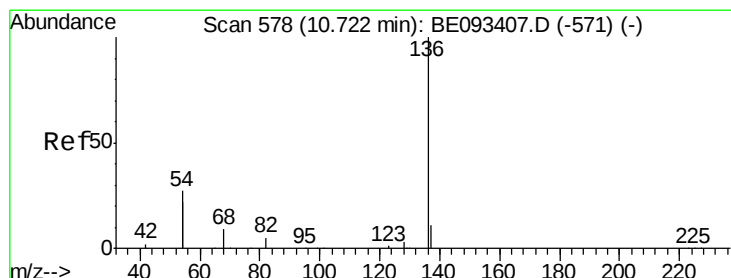
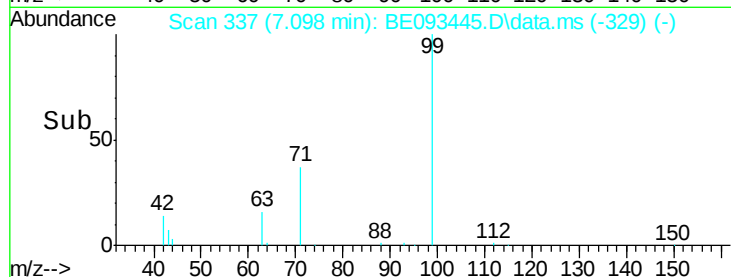
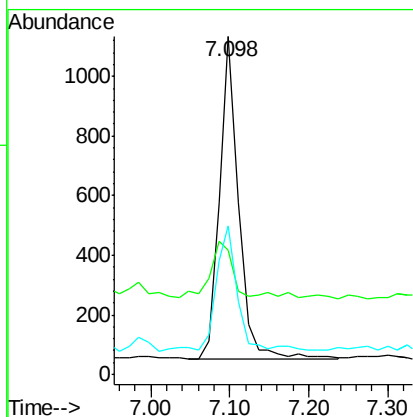
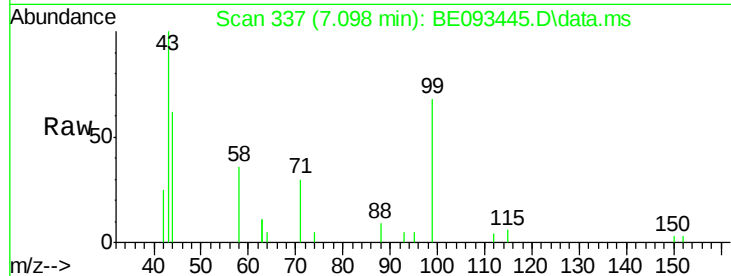
Tot Ion: 99 Resp: 1841

Ion Ratio Lower Upper

99 100

42 20.1 0.0 0.0#

71 39.6 0.0 0.0#



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.723 min Scan# 578

Delta R.T. 0.000 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Tgt Ion: 136 Resp: 21818

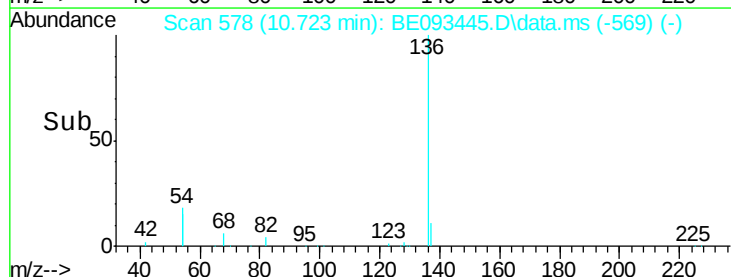
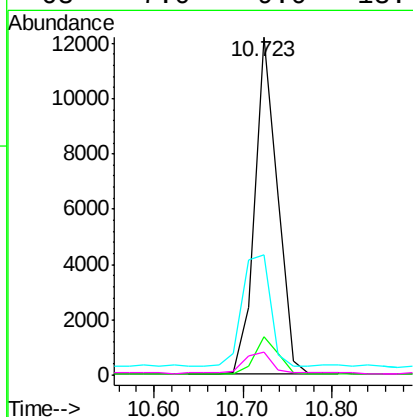
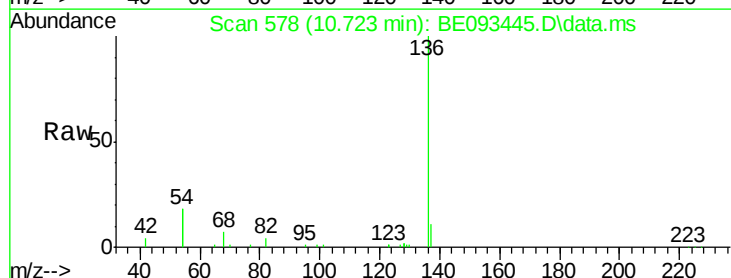
Ion Ratio Lower Upper

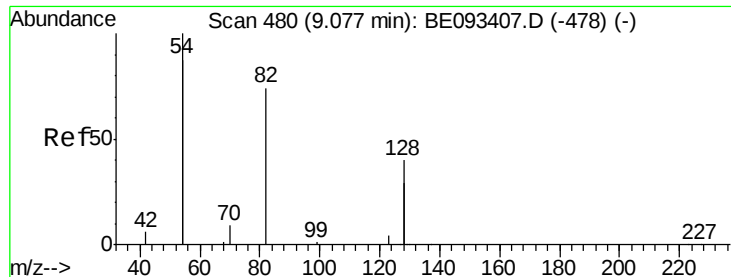
136 100

137 11.4 9.8 14.8

54 35.5 10.3 15.5#

68 7.0 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.078 min Scan# 48

Delta R.T. 0.000 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

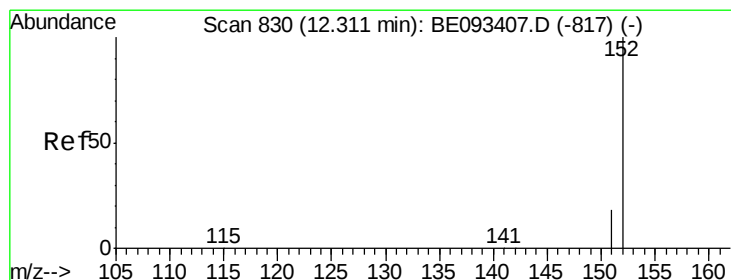
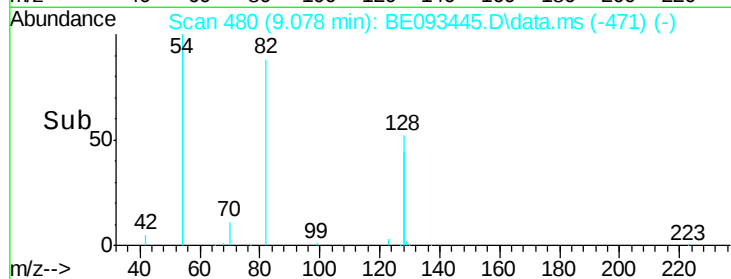
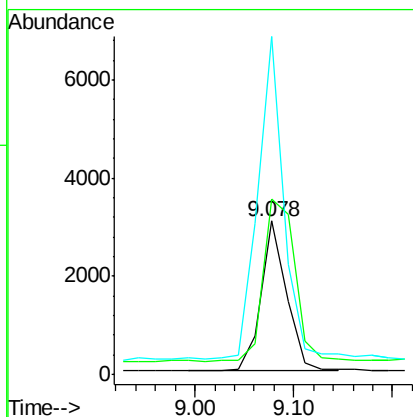
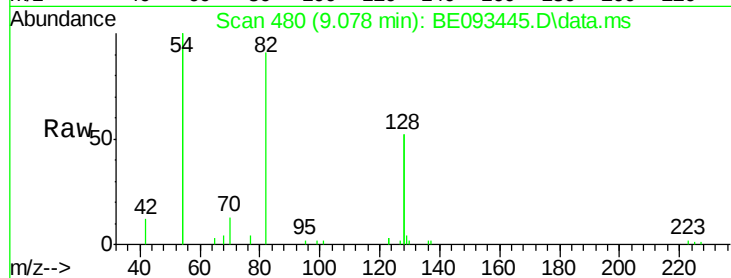
Tot Ion: 82 Resp: 5379

Ion Ratio Lower Upper

82 100

128 114.4 17.0 25.4#

54 220.6 53.8 80.6#



#11

2-Methylnaphthalene-d10

Concen: 0.34 ng

RT: 12.307 min Scan# 829

Delta R.T. -0.004 min

Lab File: BE093445.D

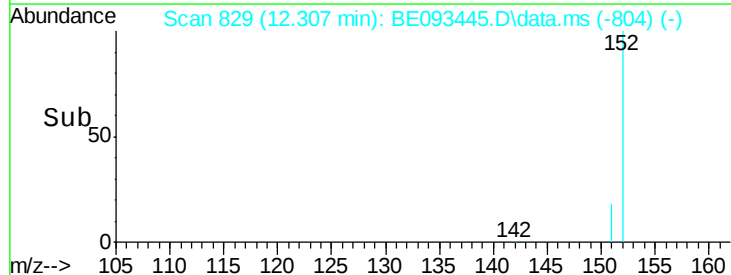
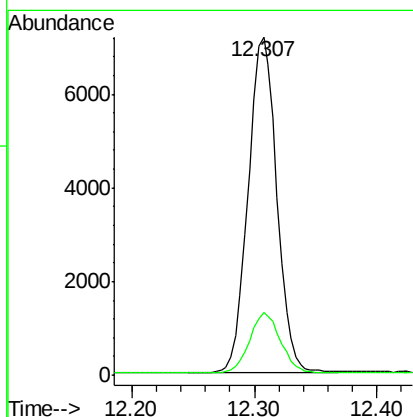
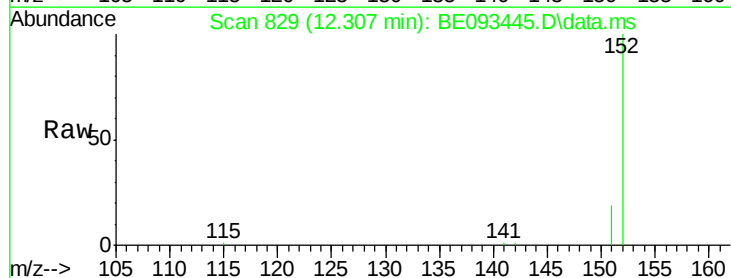
Acq: 7 Jul 2017 16:19

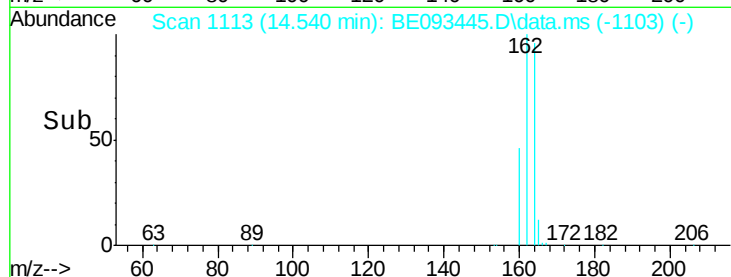
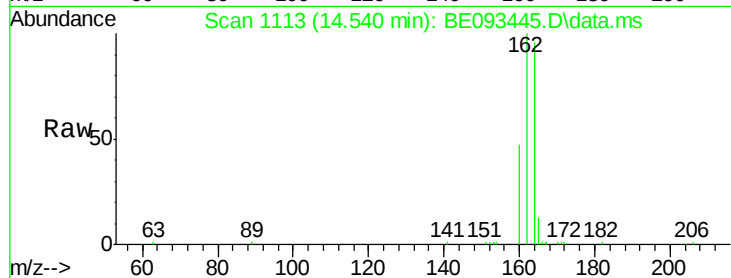
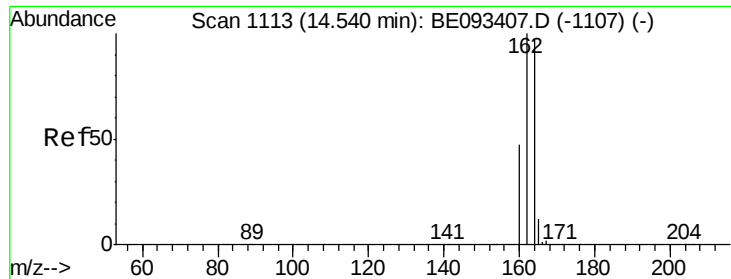
Tgt Ion: 152 Resp: 11717

Ion Ratio Lower Upper

152 100

151 19.3 15.1 22.7





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.540 min Scan# 1113

Delta R.T. 0.000 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

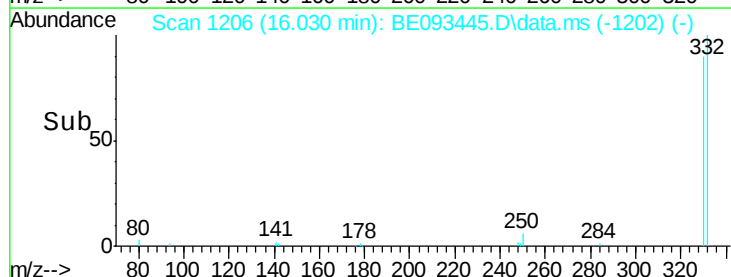
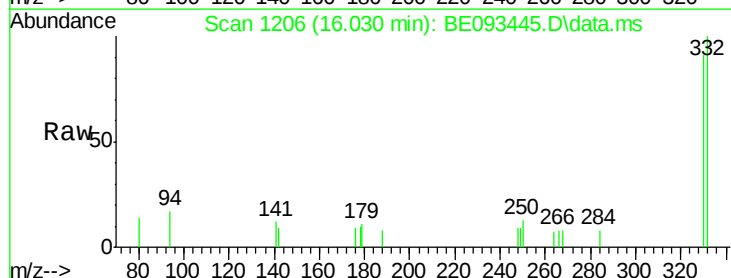
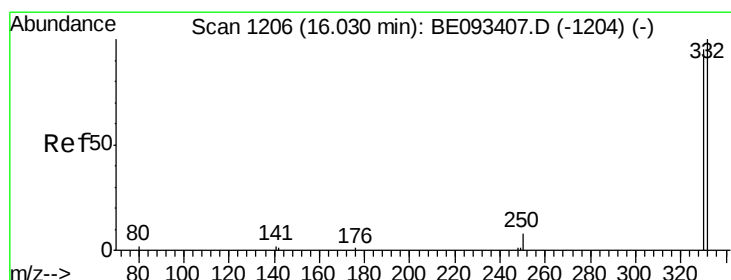
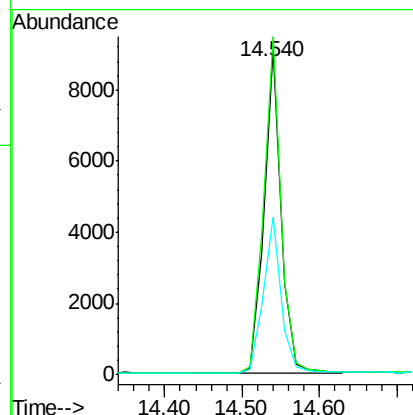
Tot Ion:164 Resp: 13797

Ion Ratio Lower Upper

164 100

162 103.7 84.6 127.0

160 48.4 41.8 62.6



#14

2,4,6-Tribromophenol

Concen: 0.27 ng

RT: 16.030 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

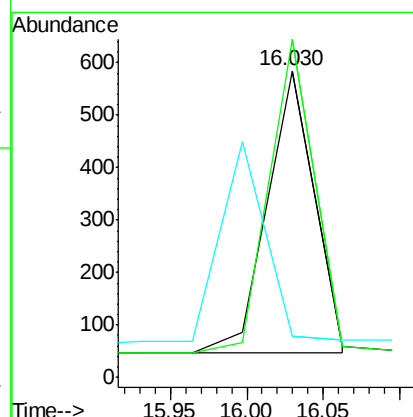
Tgt Ion:330 Resp: 1152

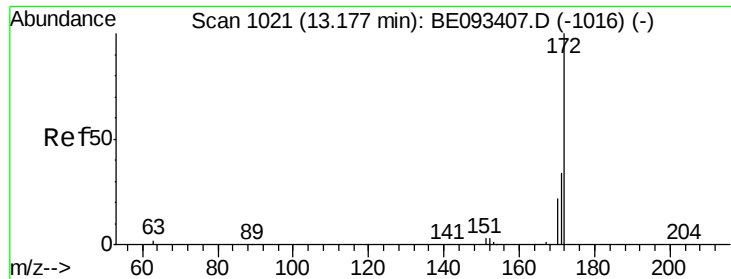
Ion Ratio Lower Upper

330 100

332 107.5 77.7 116.5

141 0.0 56.2 84.4#

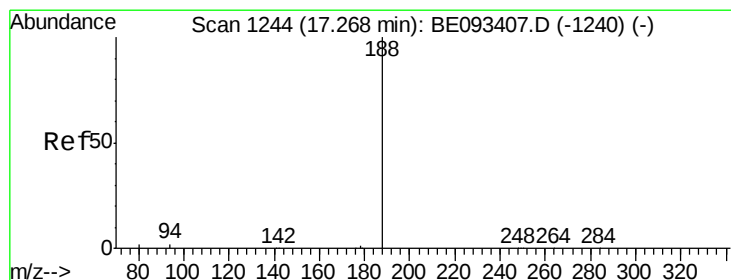
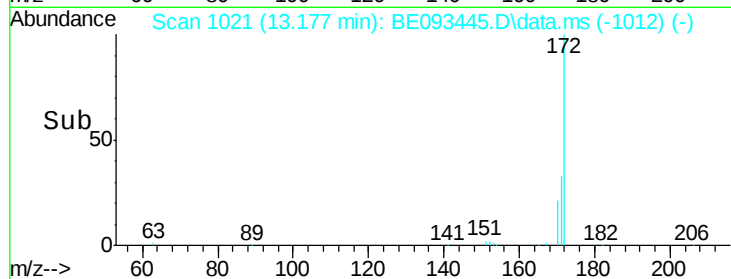
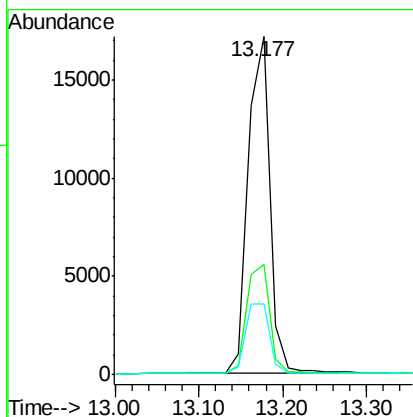
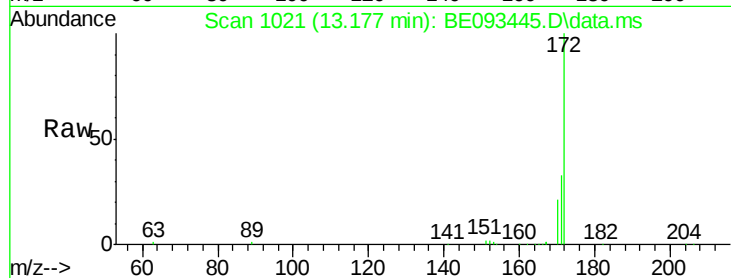




#15
2-Fluorobiphenyl
Concen: 0.58 ng
RT: 13.177 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BE093445.D
Acq: 7 Jul 2017 16:19

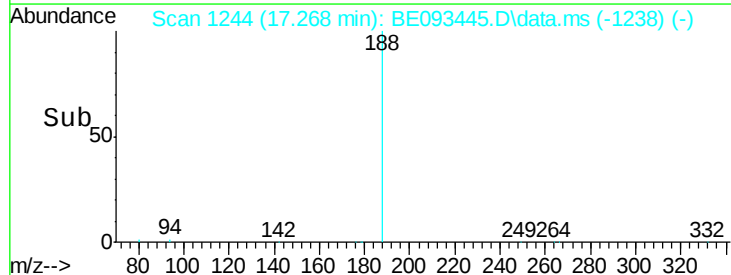
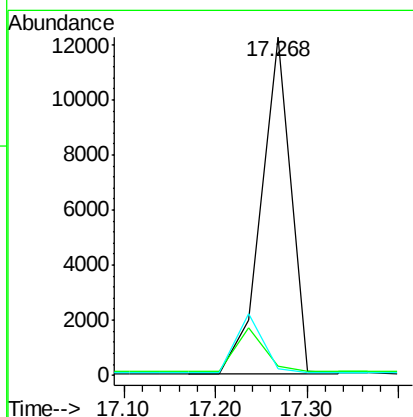
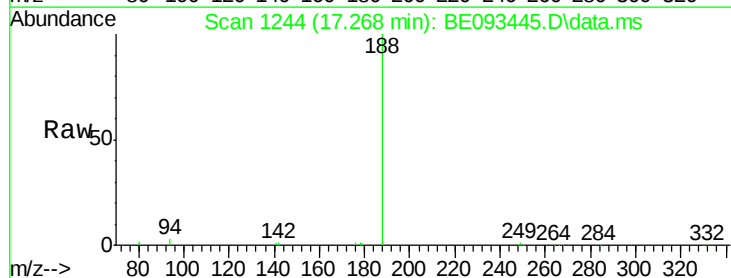
Instrument :
BNA_E
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MW-22BR-20170630

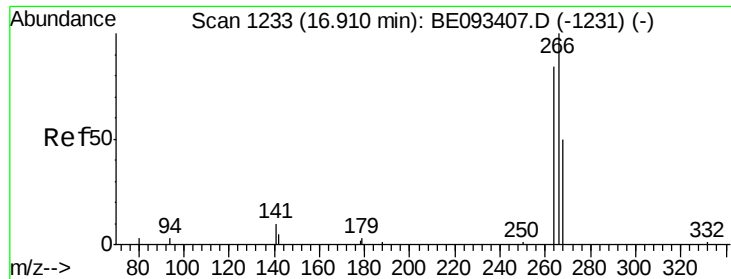
Tot Ion	Ratio	Lower	Upper
172	100		
171	32.8	29.8	44.6
170	20.8	20.7	31.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.268 min Scan# 1244
Delta R.T. -0.000 min
Lab File: BE093445.D
Acq: 7 Jul 2017 16:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.6	11.3	16.9#
80	1.8	11.7	17.5#





#22

Pentachlorophenol

Concen: Below Cal

RT: 16.910 min Scan# 1233

Delta R.T. 0.001 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

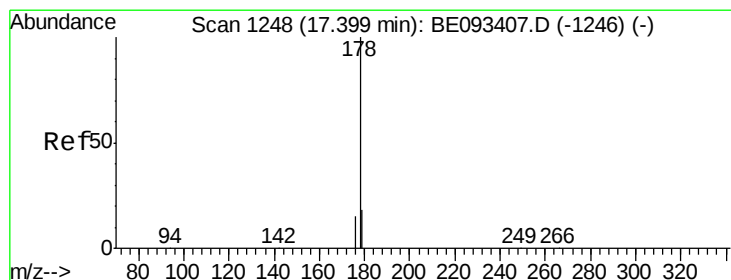
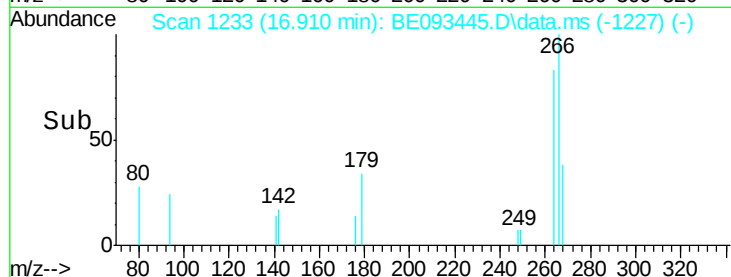
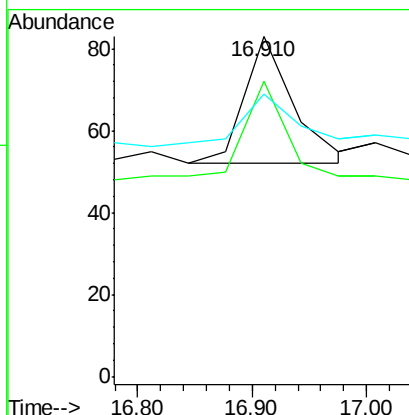
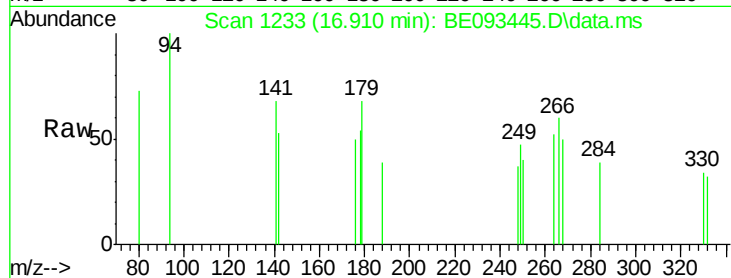
Tot Ion:266 Resp: 92

Ion Ratio Lower Upper

266 100

264 86.7 58.2 87.2

268 83.1 71.9 107.9



#24

Anthracene

Concen: 0.02 ng

RT: 17.301 min Scan# 1245

Delta R.T. -0.098 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

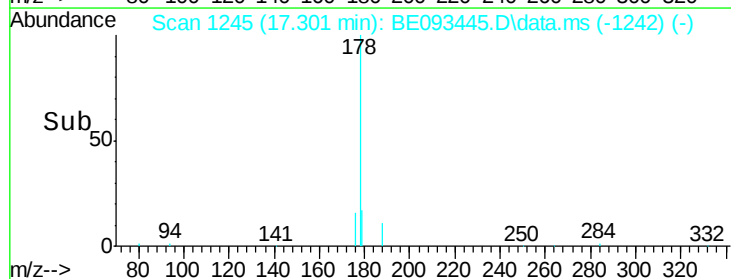
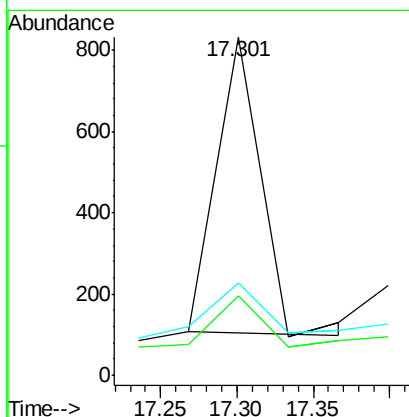
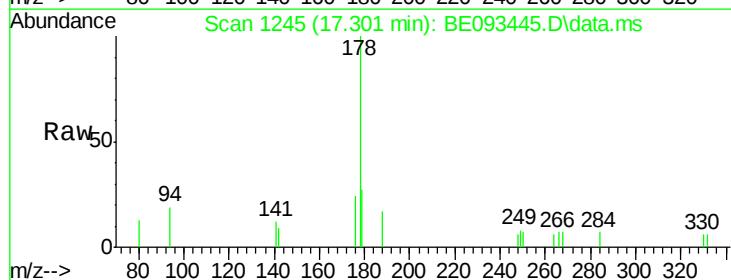
Tgt Ion:178 Resp: 1457

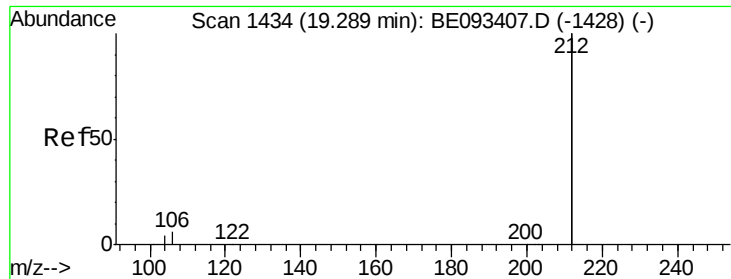
Ion Ratio Lower Upper

178 100

176 16.5 14.6 22.0

179 15.0 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.44 ng

RT: 19.289 min Scan# 1434

Delta R.T. -0.000 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

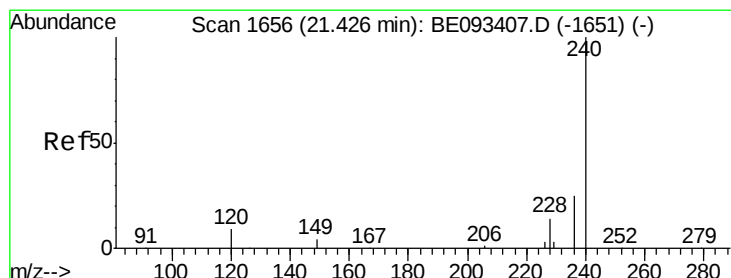
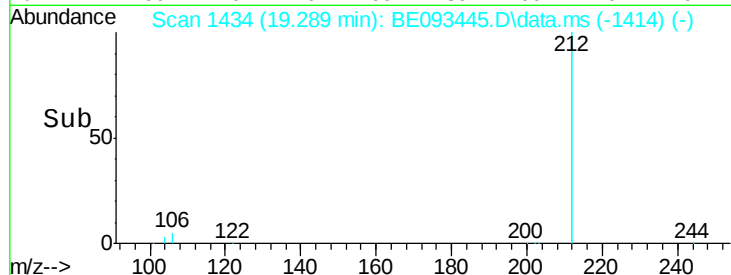
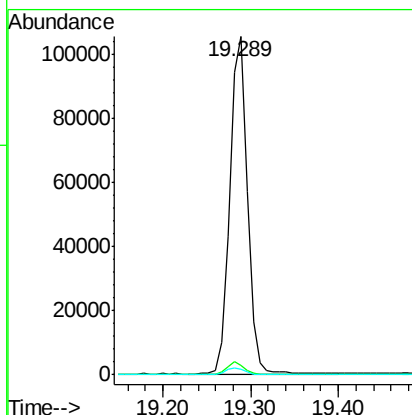
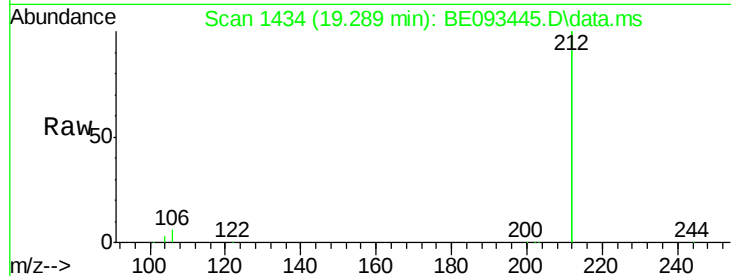
Tot Ion:212 Resp: 148761

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

104 2.0 1.6 2.4



#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.426 min Scan# 1656

Delta R.T. -0.000 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

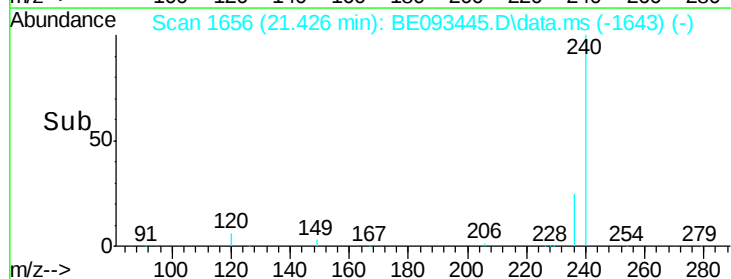
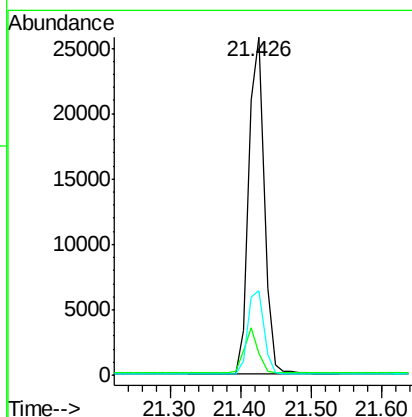
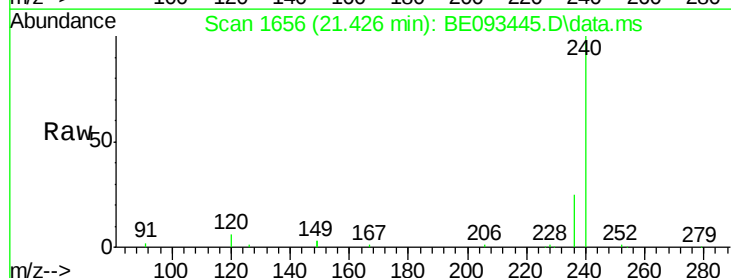
Tgt Ion:240 Resp: 38917

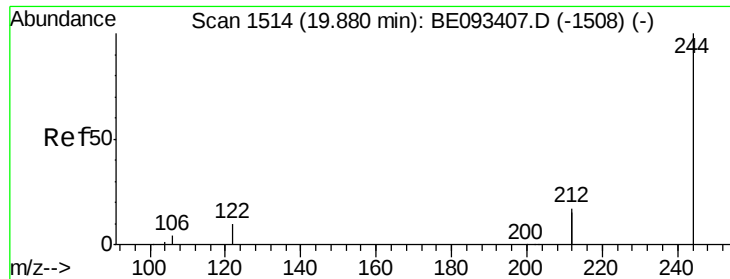
Ion Ratio Lower Upper

240 100

120 6.5 4.6 7.0

236 25.0 20.8 31.2





#29

Terphenyl-d14

Concen: 0.50 ng

RT: 19.873 min Scan# 1514

Delta R.T. -0.007 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

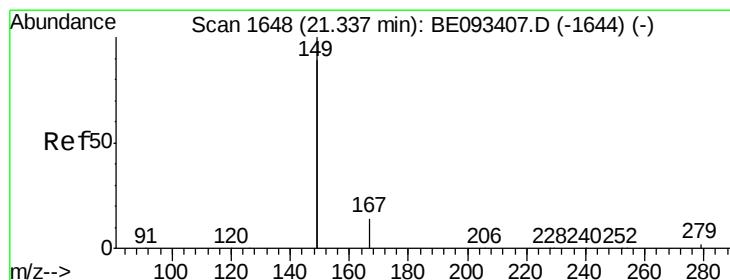
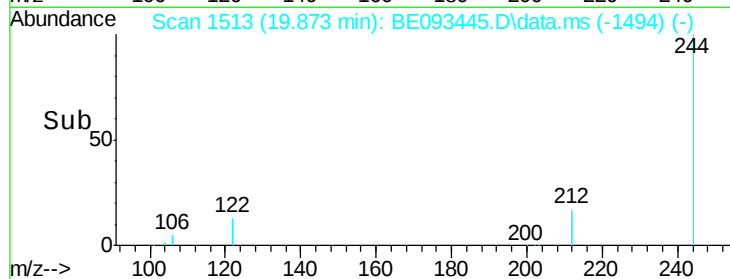
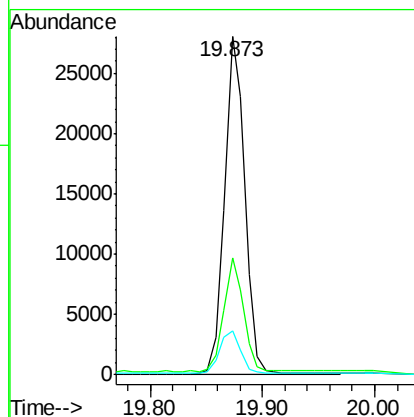
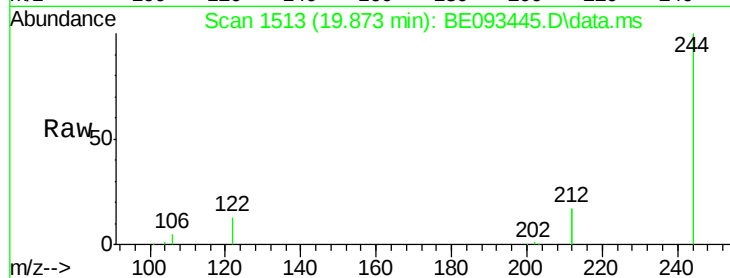
Tot Ion:244 Resp: 34803

Ion Ratio Lower Upper

244 100

212 34.6 10.6 16.0#

122 13.0 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.326 min Scan# 1647

Delta R.T. -0.011 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

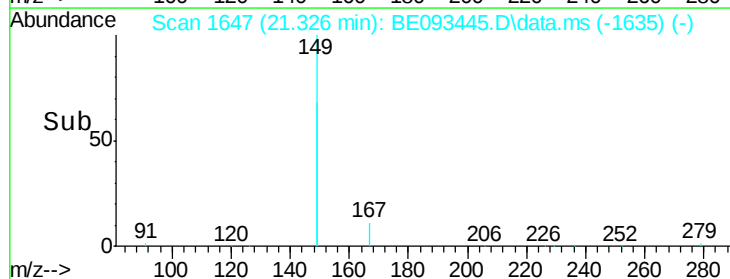
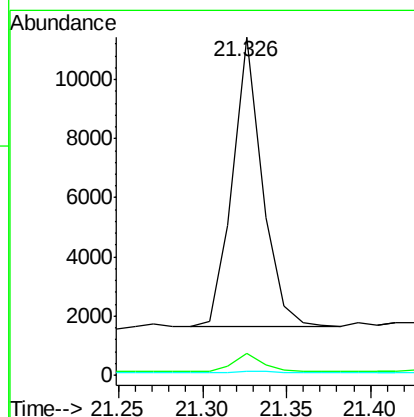
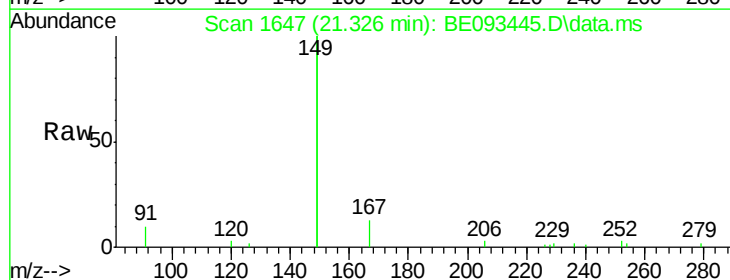
Tgt Ion:149 Resp: 11956

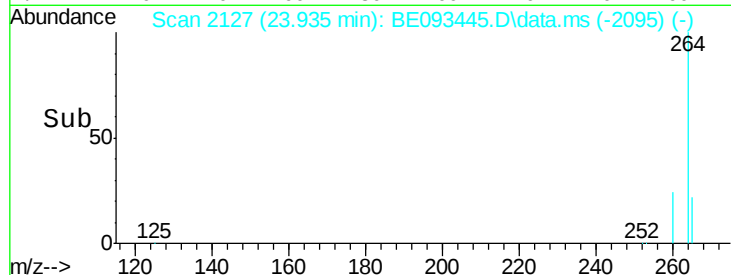
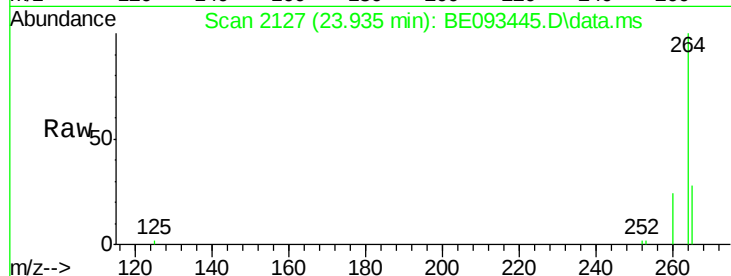
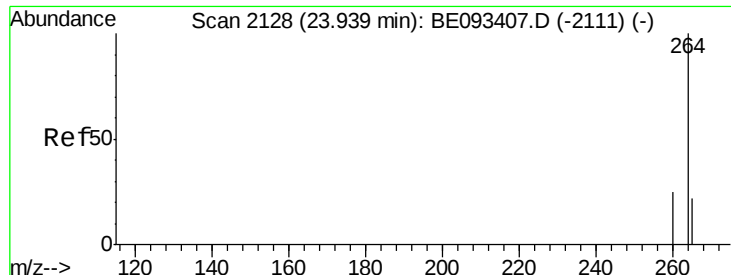
Ion Ratio Lower Upper

149 100

167 6.6 20.1 30.1#

279 1.0 2.2 3.4#





#34

Pervlene-d12

Concen: 0.40 ng

RT: 23.935 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE093445.D

Acq: 7 Jul 2017 16:19

Instrument :

BNA_E

ClientSampleId :

MW-22BR-20170630

Tot Ion:264 Resp: 33264

Ion Ratio Lower Upper

264 100

260 24.3 21.0 31.4

265 28.0 24.6 36.8

