

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093918.D
 Acq On : 2 Sep 2017 1:01
 Operator : SJ/JU
 Sample : I5001-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-115

Quant Time: Sep 02 01:35:01 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 16:31:36 2017
 Response via : Initial Calibration

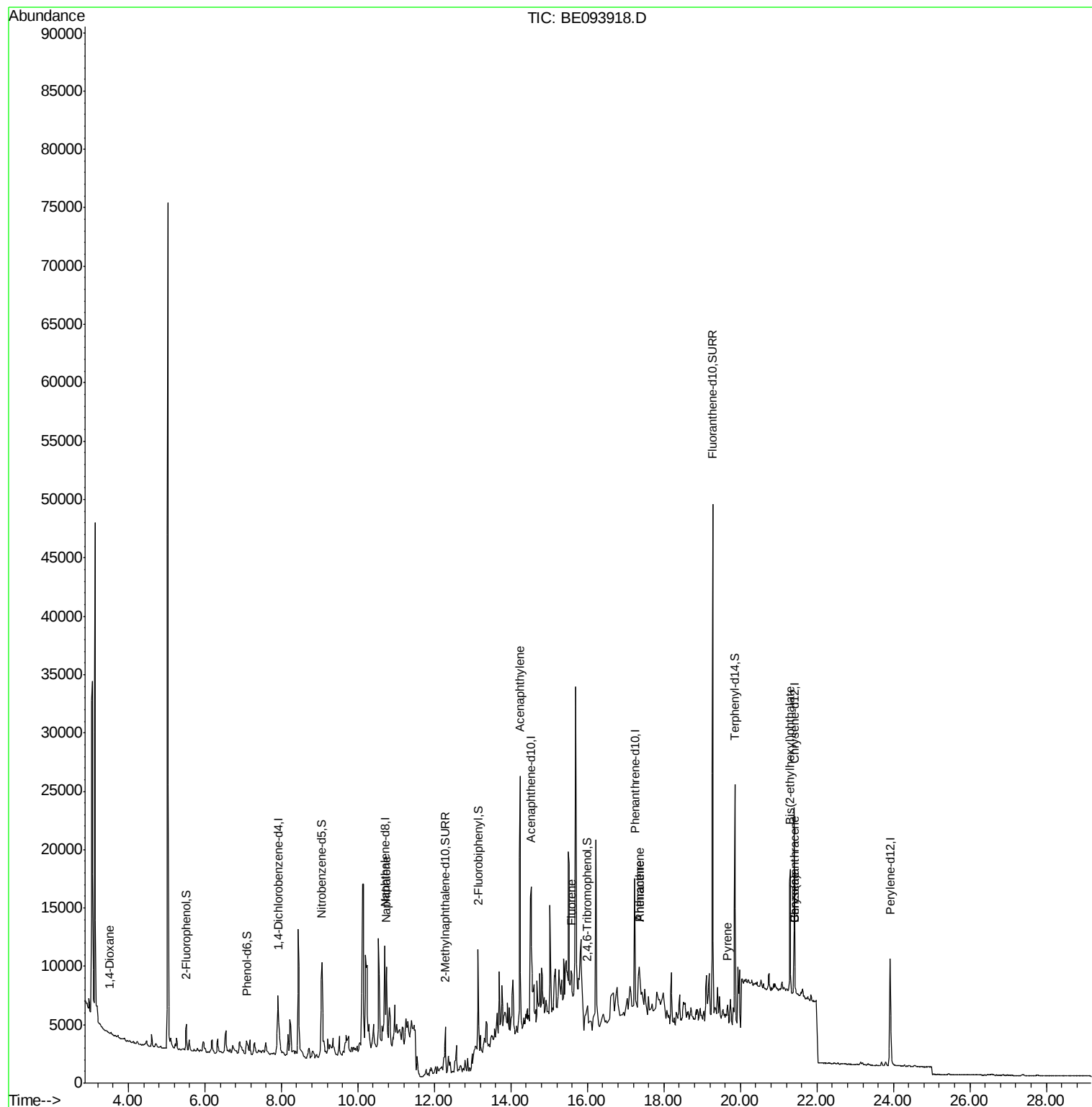
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2220	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11714	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	12731	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	19236	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16310	0.40	ng	0.00
34) Perylene-d12	23.92	264	14441	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1492	0.22	ng	0.00
5) Phenol-d6	7.10	99	1508	0.14	ng	0.00
8) Nitrobenzene-d5	9.06	82	3444	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5804	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	802	0.24	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	8300	0.16	ng	-0.01
25) Fluoranthene-d10	19.27	212	60173	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	17766	0.60	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.50	88	67	0.022	ng	# 18
9) Naphthalene	10.74	128	10750	0.081	ng	# 95
16) Acenaphthylene	14.24	152	28498	0.452	ng	# 98
18) Fluorene	15.58	166	1374	0.025	ng	# 57
20) 4-Bromophenyl-phenylether	16.39	248	552	Below Cal		# 1
21) Hexachlorobenzene	16.58	284	8	Below Cal		# 100
23) Phenanthrene	17.37	178	4995	0.102	ng	# 63
24) Anthracene	17.37	178	4995	0.086	ng	# 77
28) Pyrene	19.66	202	1233	0.022	ng	# 64
30) Benzo(a)anthracene	21.43	228	1130	0.023	ng	# 21
31) Chrysene	21.43	228	1130	0.021	ng	# 29
32) Bis(2-ethylhexyl)phthalate	21.31	149	14368	0.141	ng	# 100

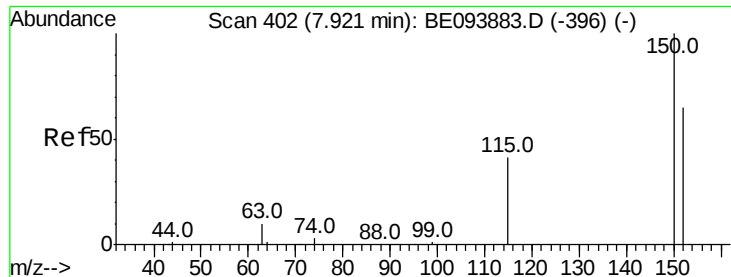
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

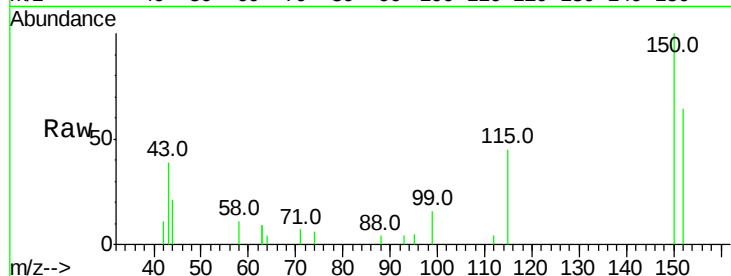
Tot Ion:152 Resp: 2220

Ion Ratio Lower Upper

152 100

150 157.0 121.8 182.6

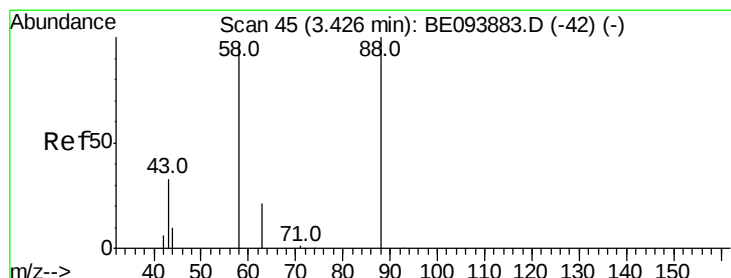
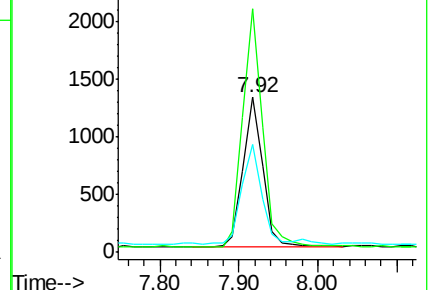
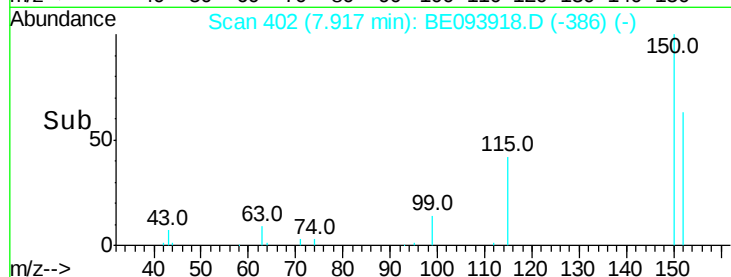
115 69.9 52.6 79.0



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: 0.022 ng

RT: 3.50 min Scan# 51

Delta R.T. 0.07 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

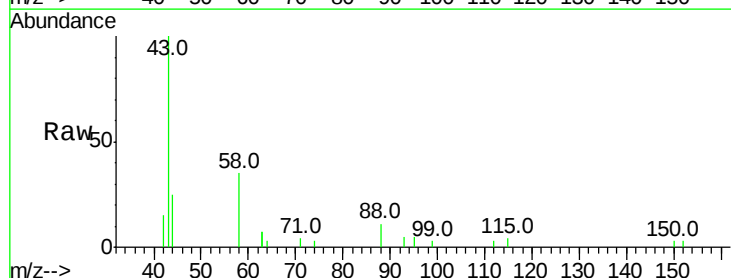
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

58 0.0 65.4 98.0#

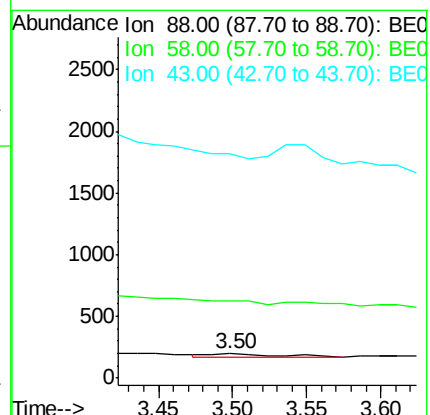
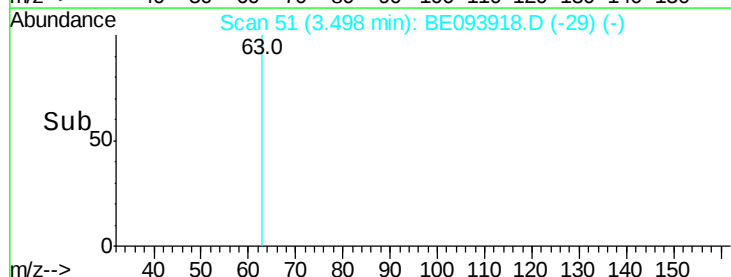
43 0.0 23.9 35.9#

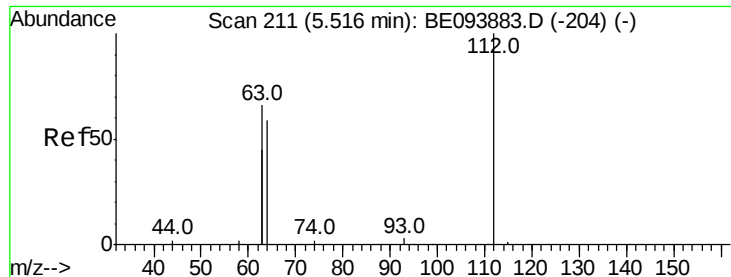


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.218 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

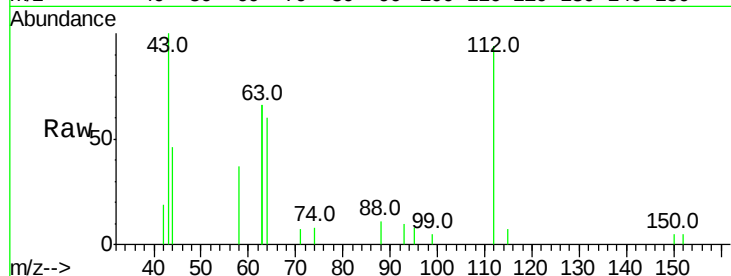
Tot Ion:112 Resp: 1492

Ion Ratio Lower Upper

112 100

64 69.7 57.7 86.5

63 136.3 116.0 174.0

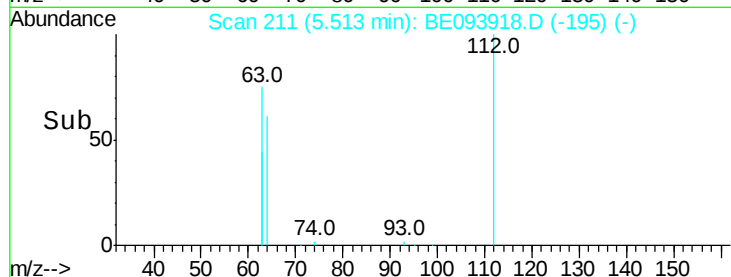


Abundance Ion 112.00 (111.70 to 112.70): E

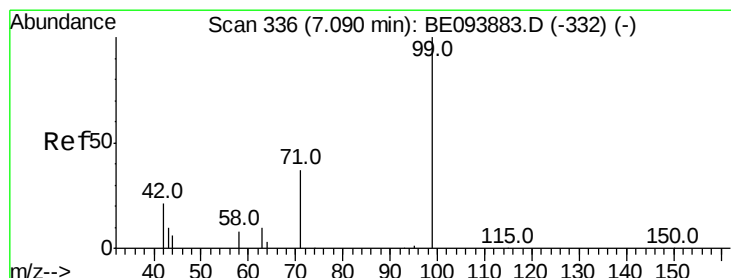
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



Time-->



#5

Phenol-d6

Concen: 0.144 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

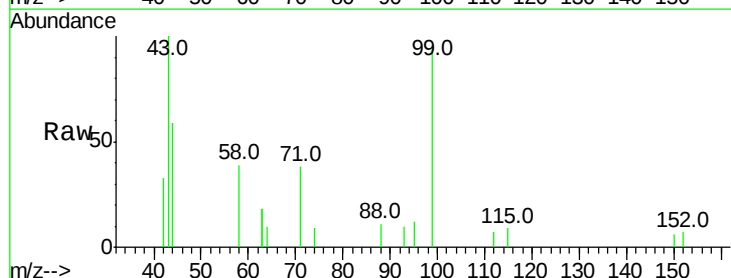
Tgt Ion: 99 Resp: 1508

Ion Ratio Lower Upper

99 100

42 18.2 17.1 25.7

71 38.2 26.6 39.8

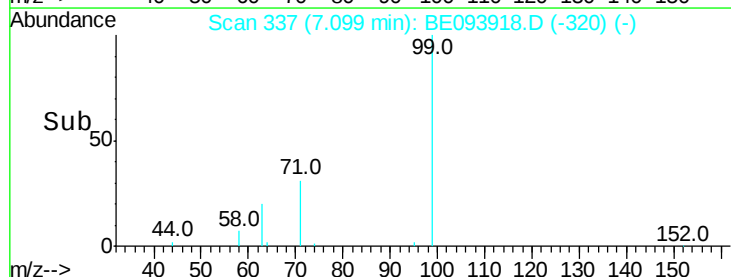


Abundance Ion 99.00 (98.70 to 99.70): BE0

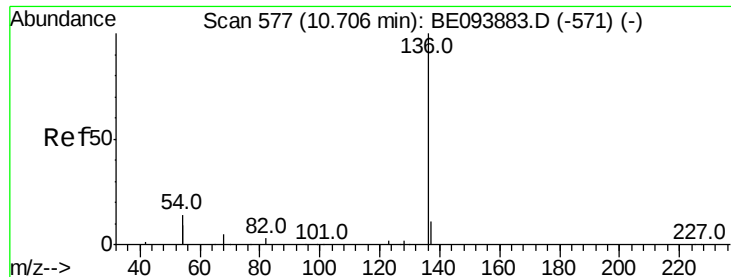
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

Tot Ion:136 Resp: 11714

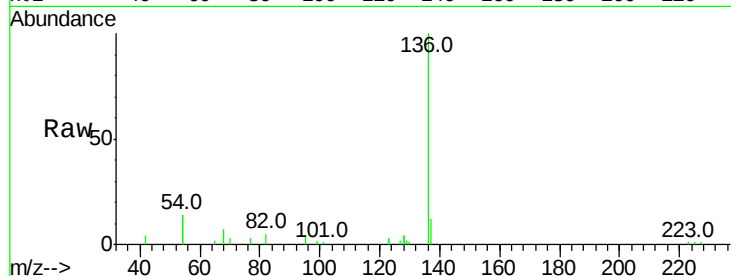
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 27.2 21.9 32.9

68 6.6 4.6 7.0

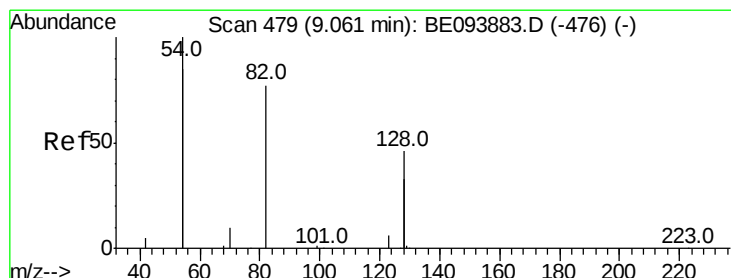
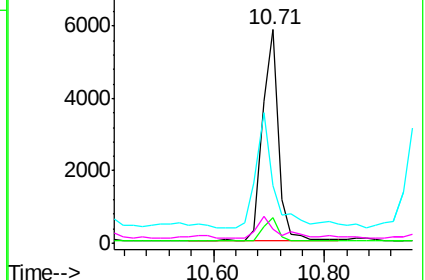
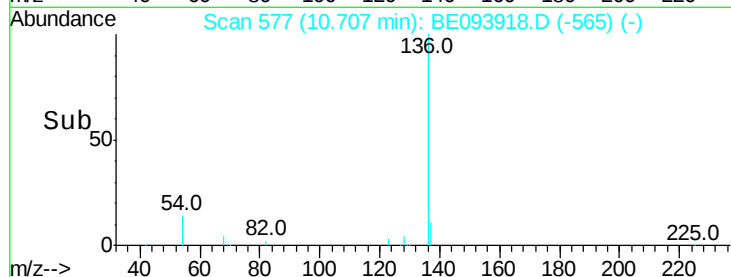


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.353 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

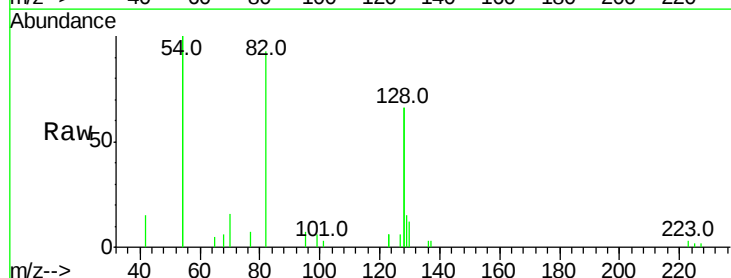
Tgt Ion: 82 Resp: 3444

Ion Ratio Lower Upper

82 100

128 141.7 91.4 137.0#

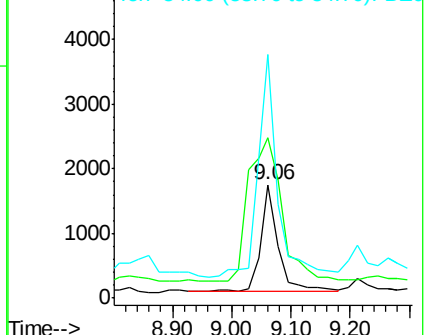
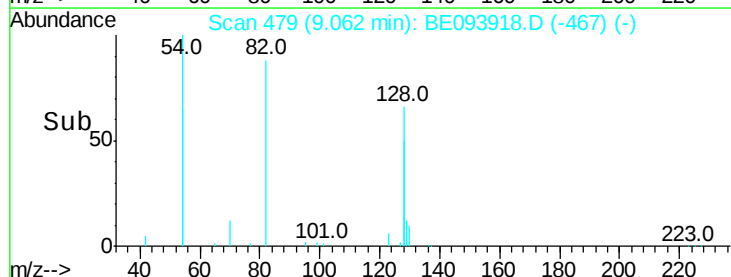
54 214.7 197.8 296.8

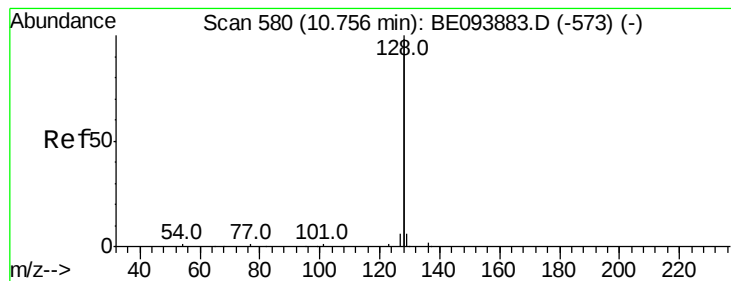


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.081 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

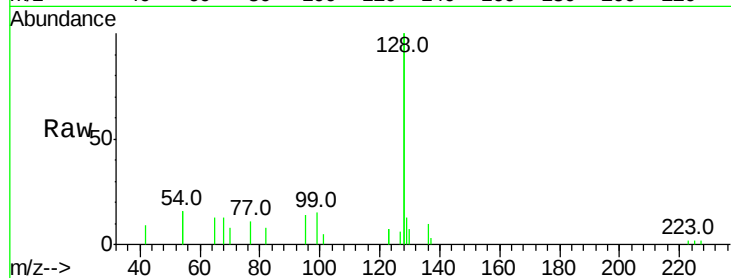
Tot Ion:128 Resp: 10750

Ion Ratio Lower Upper

128 100

129 6.7 2.5 3.7#

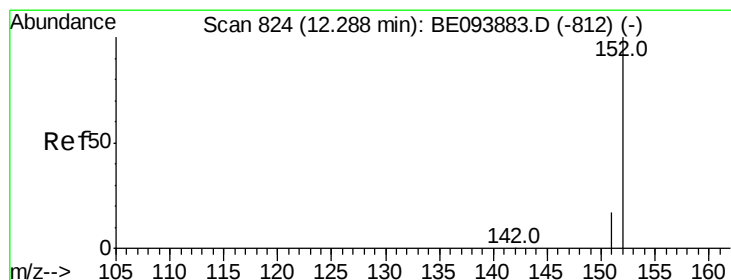
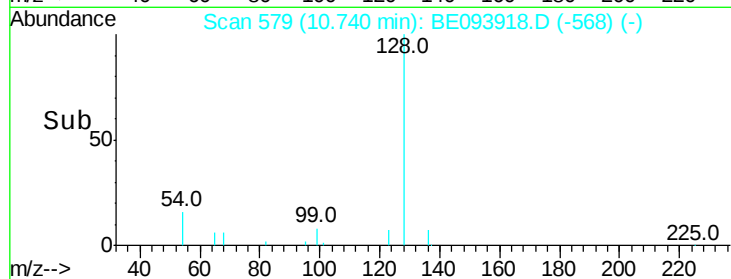
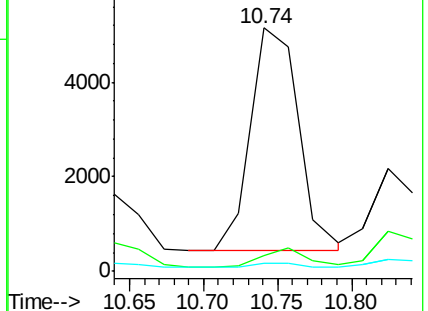
127 3.1 2.6 4.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.313 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.01 min

Lab File: BE093918.D

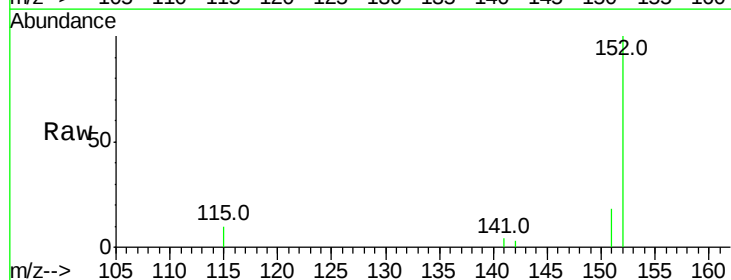
Acq: 2 Sep 2017 1:01

Tgt Ion:152 Resp: 5804

Ion Ratio Lower Upper

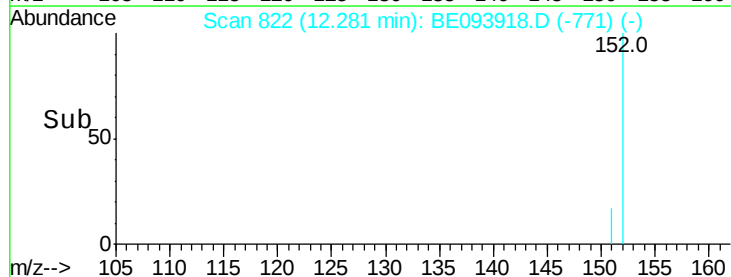
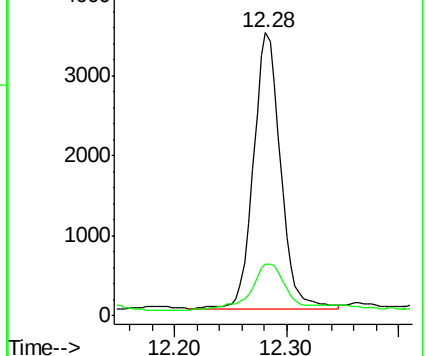
152 100

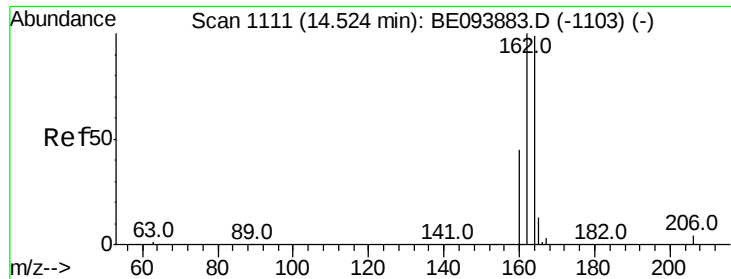
151 22.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

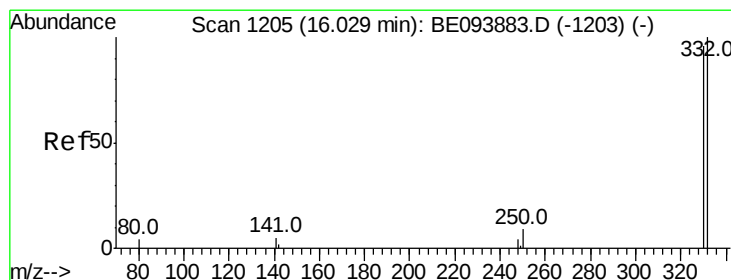
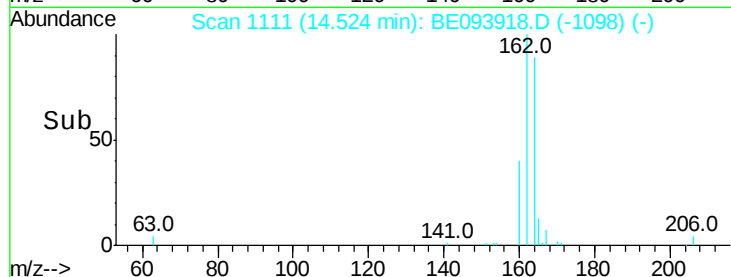
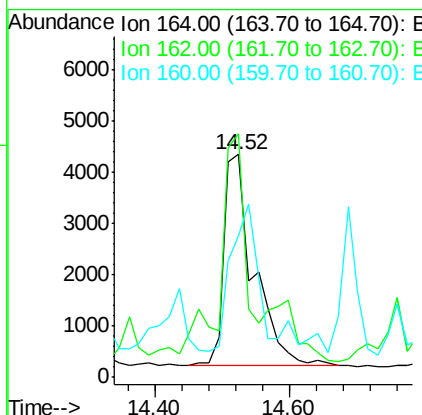
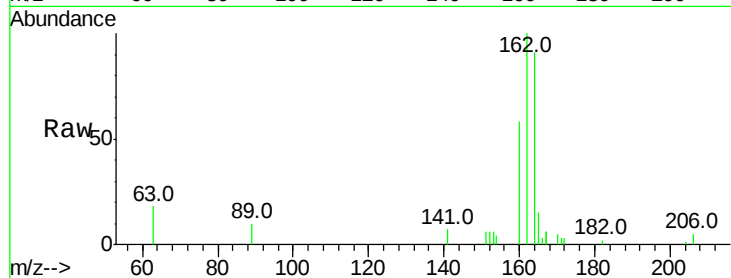




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

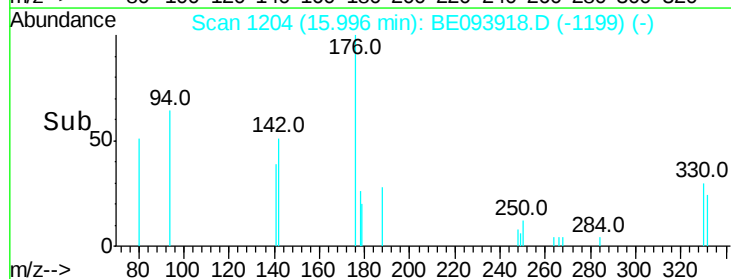
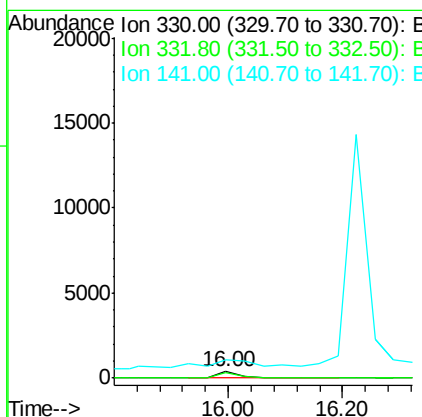
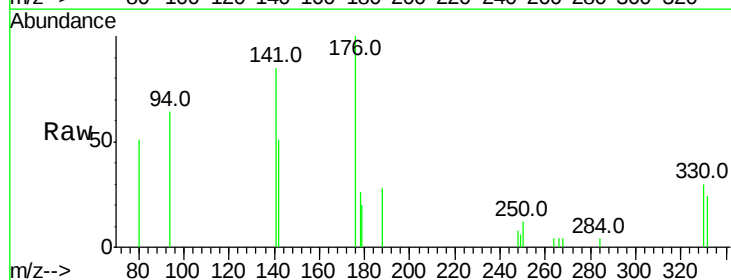
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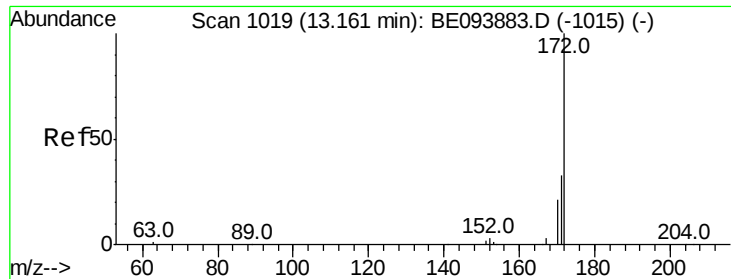
Tot Ion:164 Resp: 12731
Ion Ratio Lower Upper
164 100
162 109.4 80.8 121.2
160 63.2 37.0 55.4#



#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 16.00 min Scan# 1204
Delta R.T. -0.03 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

Tgt Ion:330 Resp: 802
Ion Ratio Lower Upper
330 100
332 84.9 76.9 115.3
141 309.2 0.0 0.0#

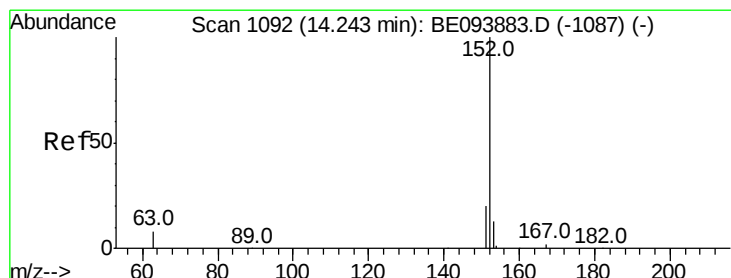
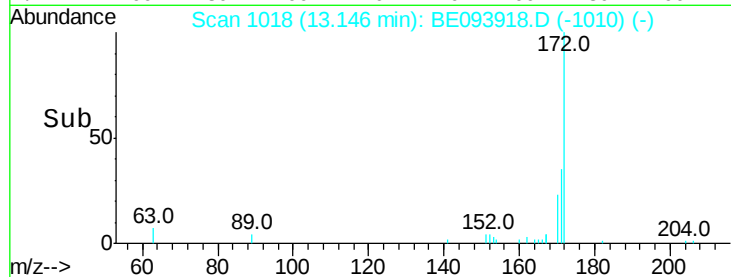
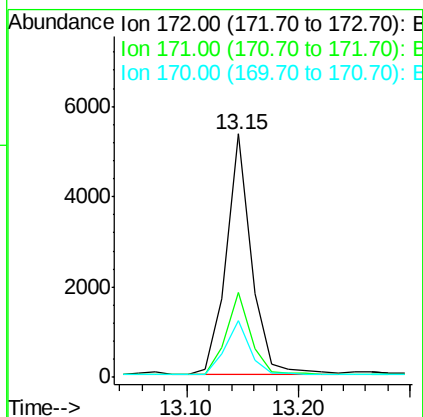
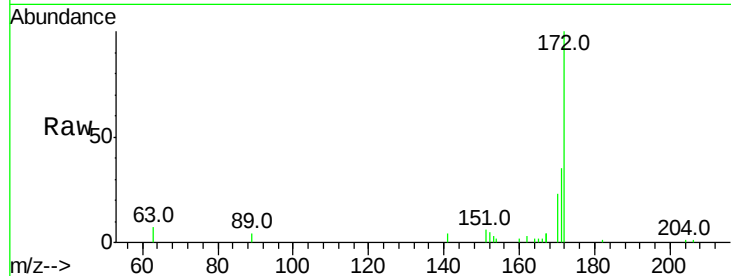




#15
2-Fluorobiphenyl
Concen: 0.164 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

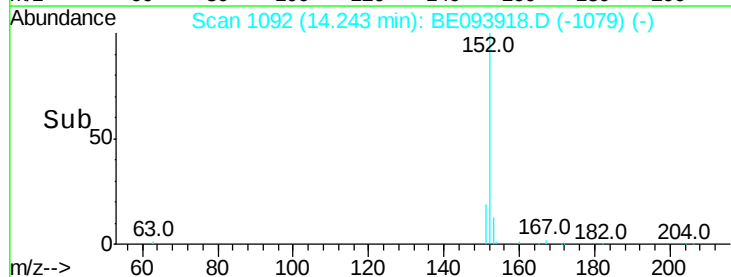
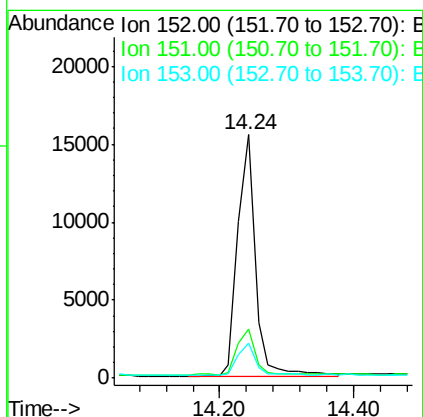
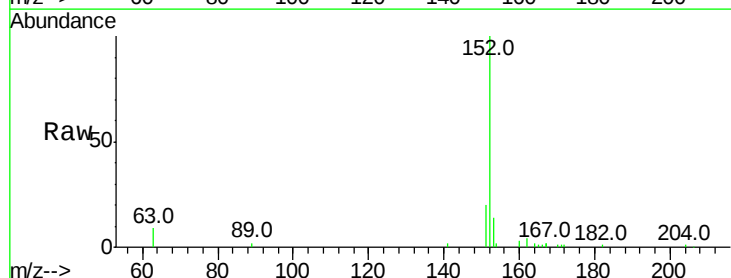
Instrument :
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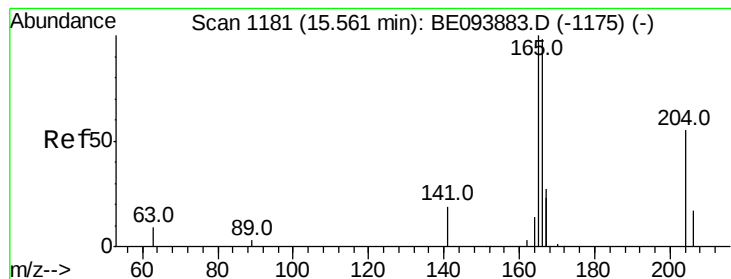
Tot Ion:172 Resp: 8300
Ion Ratio Lower Upper
172 100
171 35.0 26.9 40.3
170 23.5 17.3 25.9



#16
Acenaphthylene
Concen: 0.452 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

Tgt Ion:152 Resp: 28498
Ion Ratio Lower Upper
152 100
151 20.6 15.7 23.5
153 14.1 10.6 16.0





#18

Fluorene

Concen: 0.025 ng

RT: 15.58 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampled :

MW-115

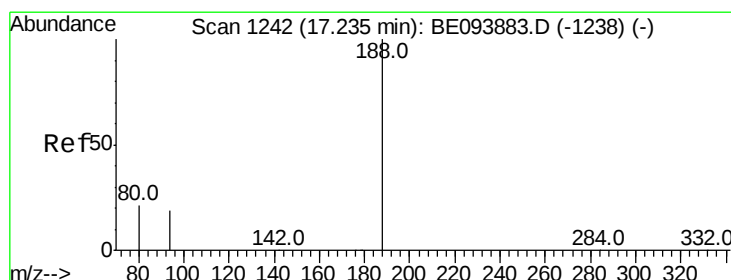
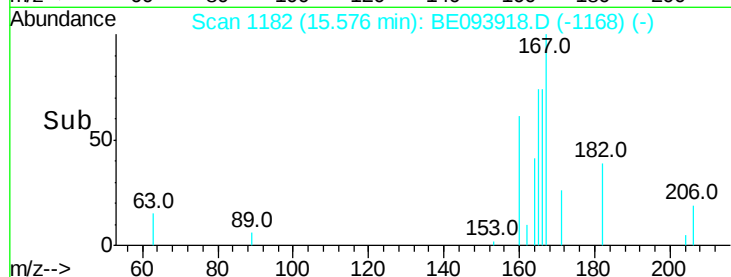
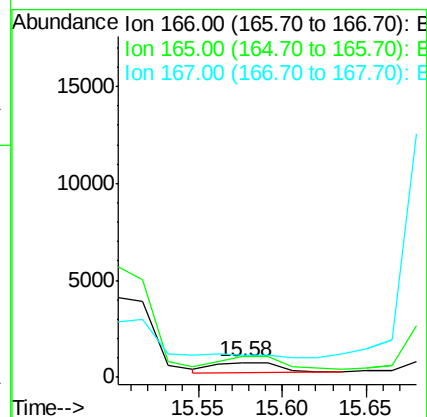
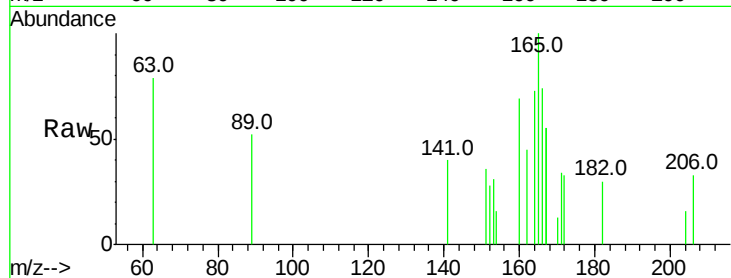
Tot Ion:166 Resp: 1374

Ion Ratio Lower Upper

166 100

165 124.9 79.4 119.0#

167 0.0 43.5 65.3#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

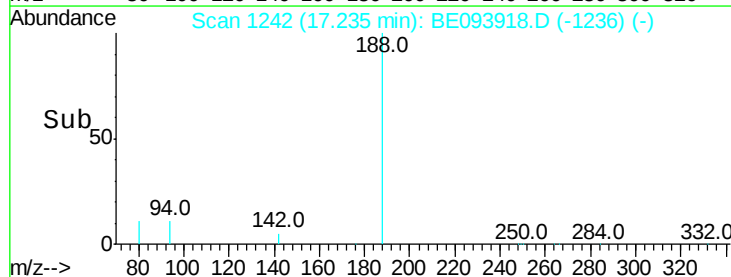
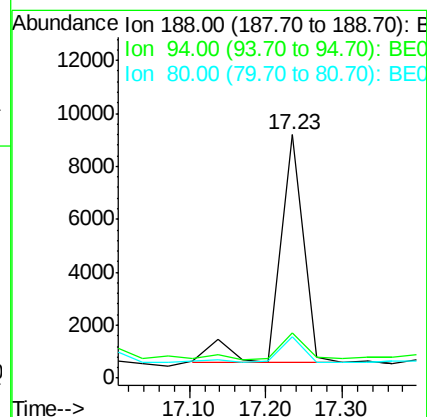
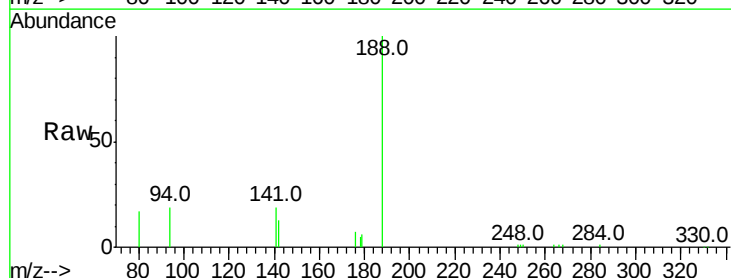
Tgt Ion:188 Resp: 19236

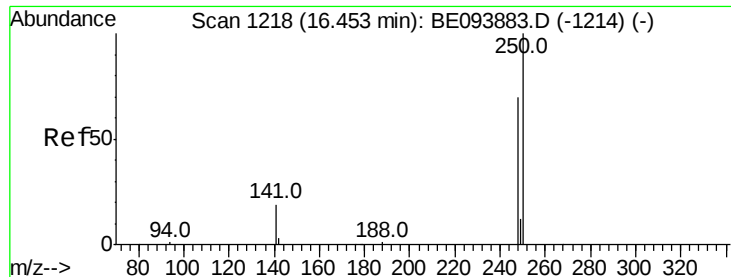
Ion Ratio Lower Upper

188 100

94 18.5 16.1 24.1

80 16.8 18.2 27.2#

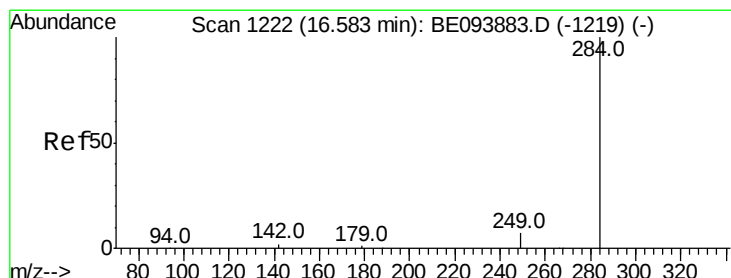
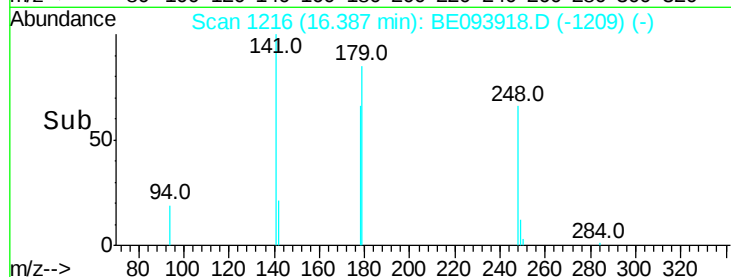
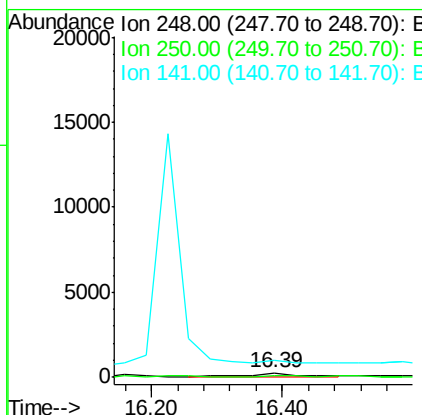
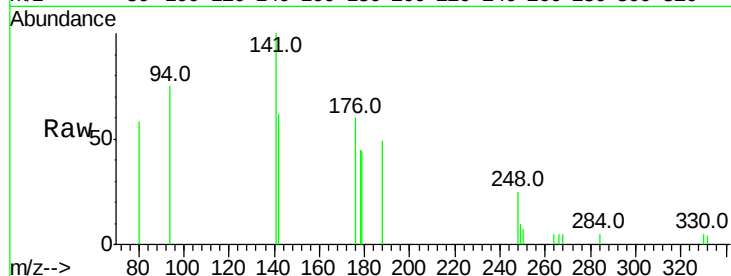




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.39 min Scan# 1216
Delta R.T. -0.06 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

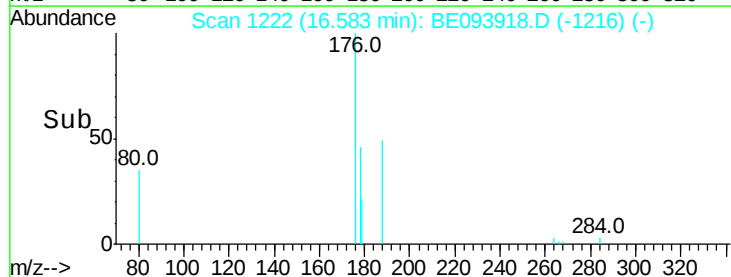
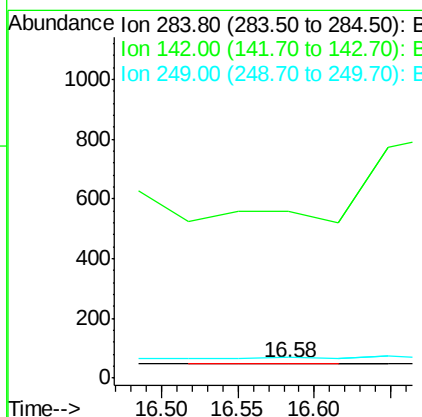
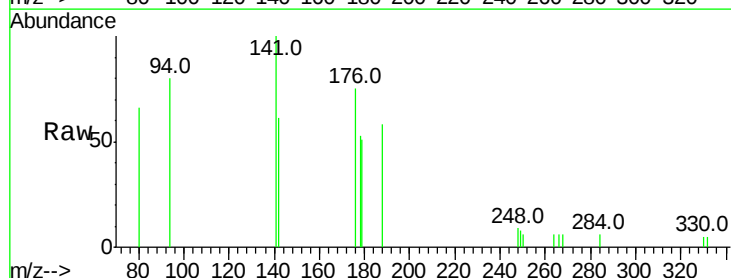
Instrument :
BNA_E
ClientSampled :
MW-115

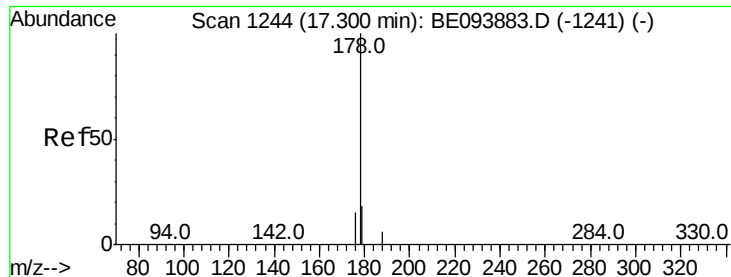
Tot Ion:248 Resp: 552
Ion Ratio Lower Upper
248 100
250 26.2 111.8 167.8#
141 392.6 27.1 40.7#



#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.58 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

Tgt Ion:284 Resp: 8
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





#23

Phenanthrene

Concen: 0.102 ng

RT: 17.37 min Scan# 1246

Delta R.T. 0.07 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

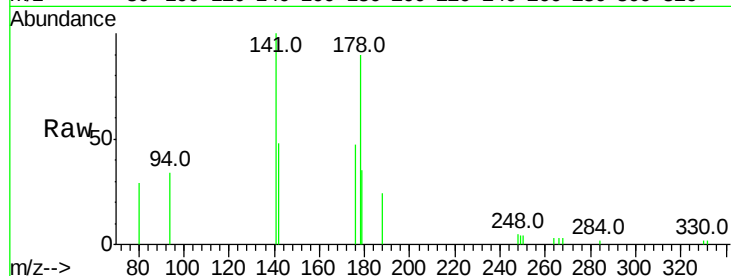
Tot Ion:178 Resp: 4995

Ion Ratio Lower Upper

178 100

176 30.8 0.0 0.0#

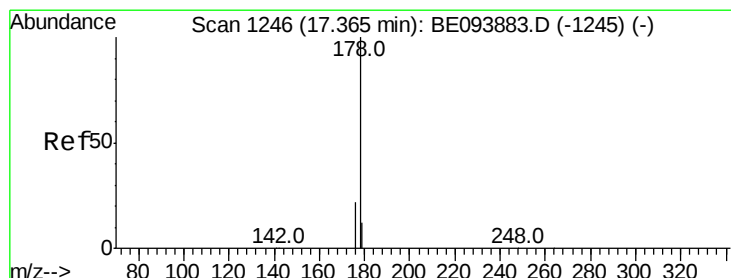
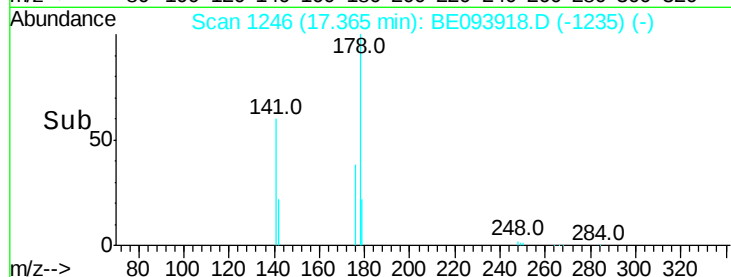
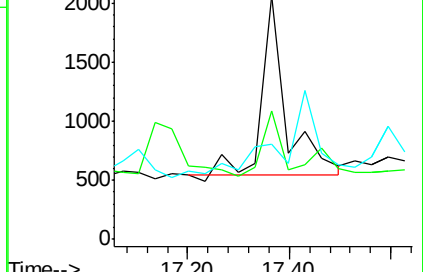
179 0.0 12.6 18.8#



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



#24

Anthracene

Concen: 0.086 ng

RT: 17.37 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

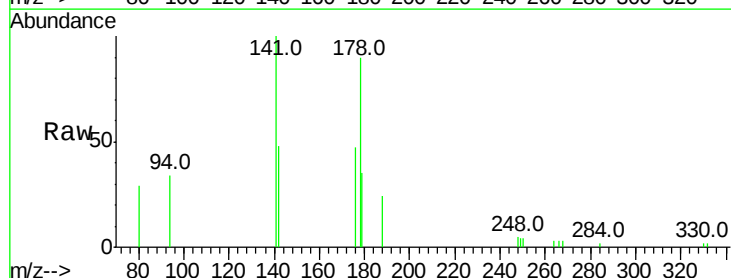
Tgt Ion:178 Resp: 4995

Ion Ratio Lower Upper

178 100

176 30.8 16.0 24.0#

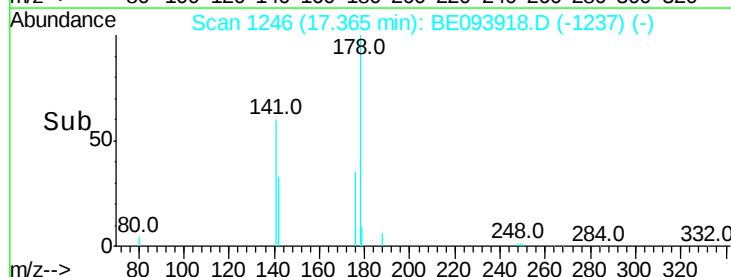
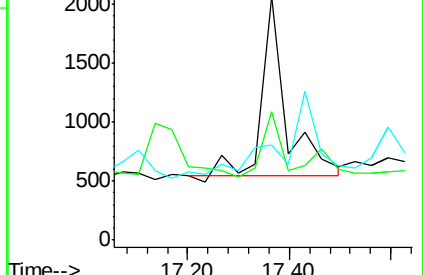
179 0.0 0.0 0.0

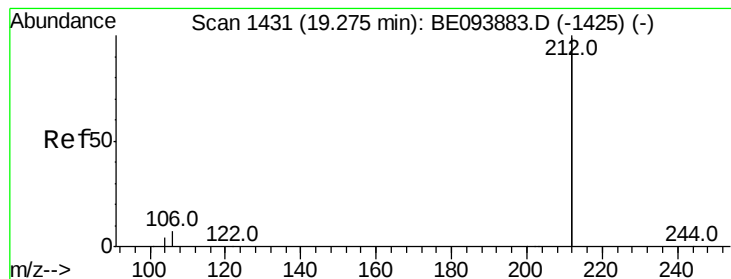


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.271 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

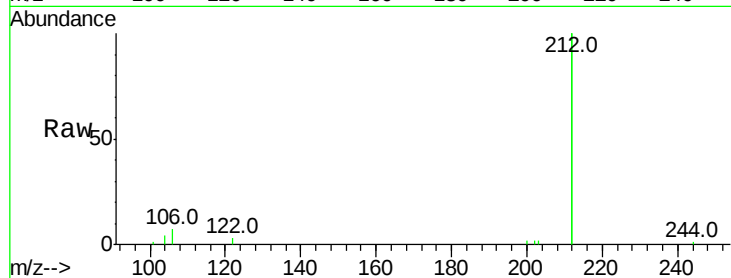
Tot Ion:212 Resp: 60173

Ion Ratio Lower Upper

212 100

106 3.7 2.7 4.1

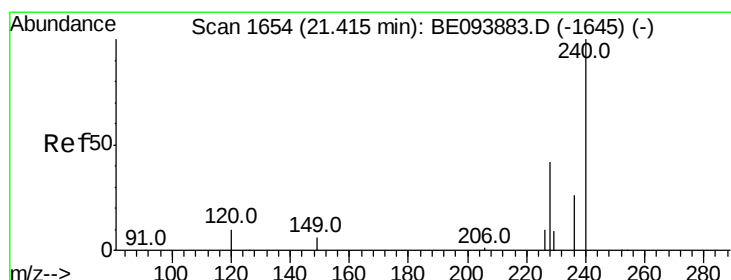
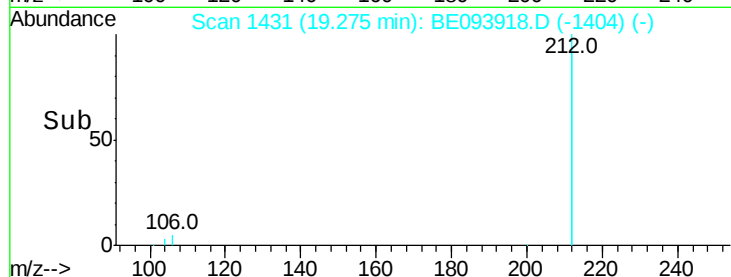
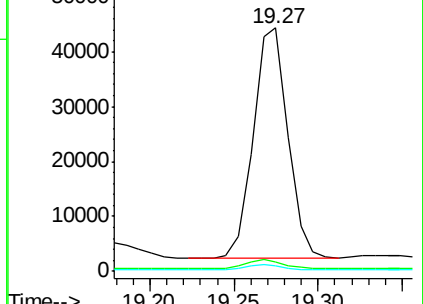
104 2.0 1.6 2.4



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: 21.41 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

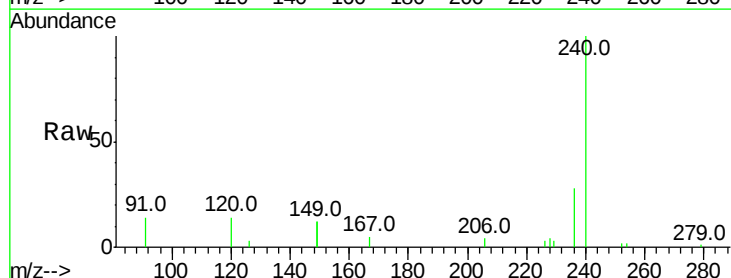
Tgt Ion:240 Resp: 16310

Ion Ratio Lower Upper

240 100

120 14.3 8.7 13.1#

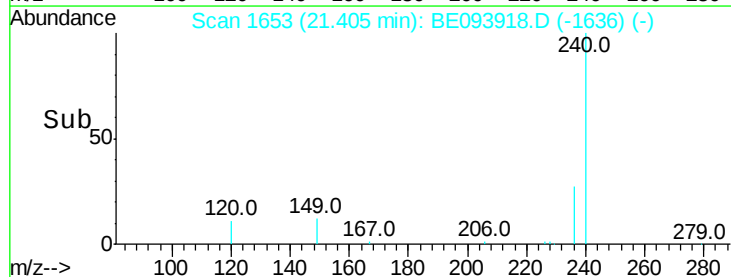
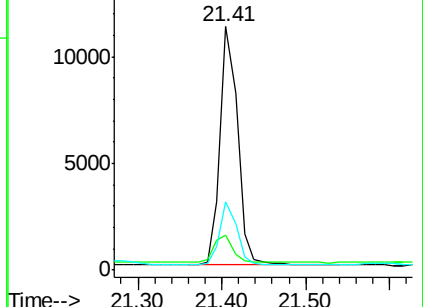
236 28.3 21.3 31.9

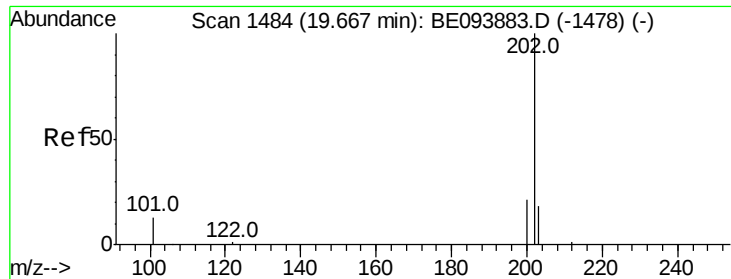


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

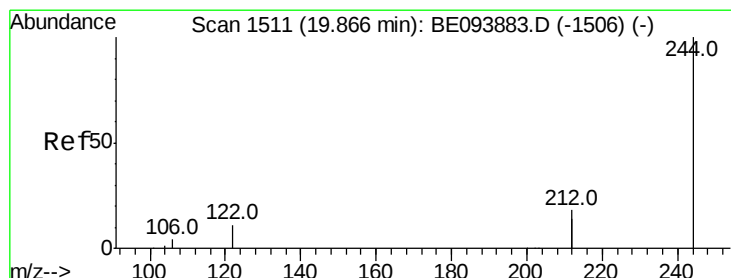
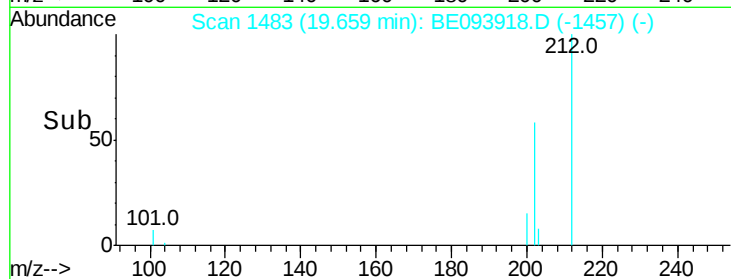
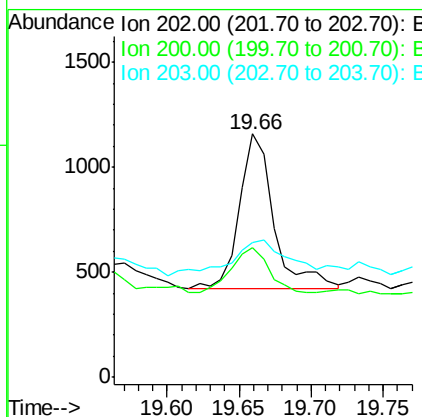
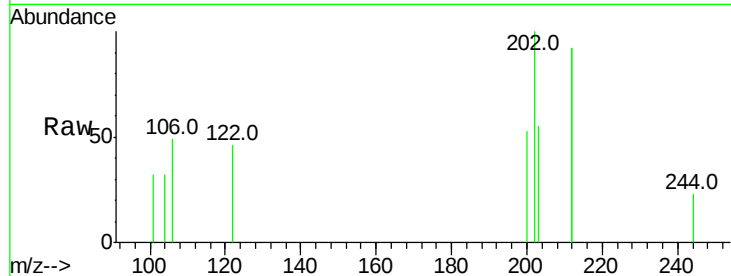




#28
Pvrene
Concen: 0.022 ng
RT: 19.66 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

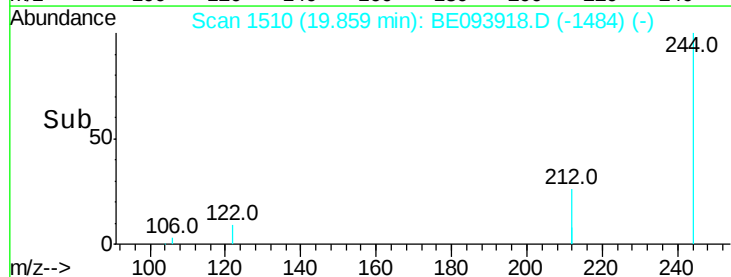
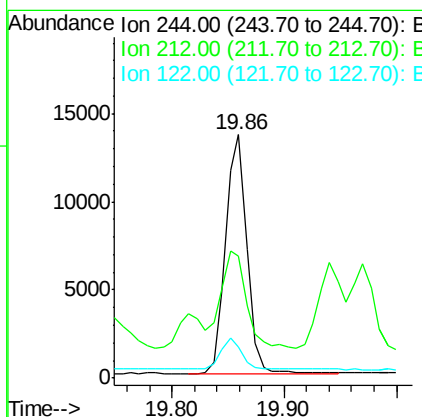
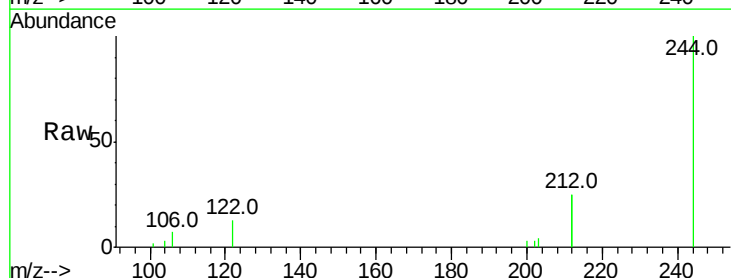
Instrument :
BNA_E
ClientSampleId :
MW-115

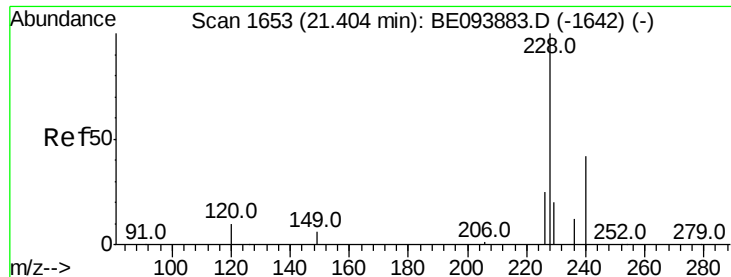
Tot Ion:202 Resp: 1233
Ion Ratio Lower Upper
202 100
200 31.1 16.6 24.8#
203 40.2 14.2 21.4#



#29
Terphenyl-d14
Concen: 0.602 ng
RT: 19.86 min Scan# 1510
Delta R.T. -0.01 min
Lab File: BE093918.D
Acq: 2 Sep 2017 1:01

Tgt Ion:244 Resp: 17766
Ion Ratio Lower Upper
244 100
212 50.3 28.3 42.5#
122 12.8 9.4 14.0





#30

Benzo(a)anthracene

Concen: 0.023 ng

RT: 21.43 min Scan# 1655

Delta R.T. 0.02 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

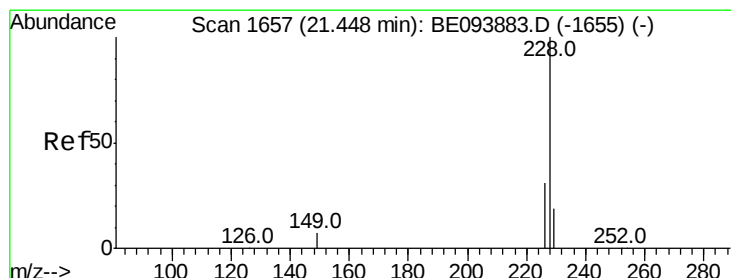
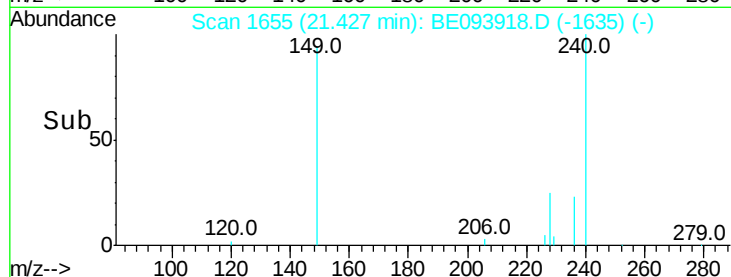
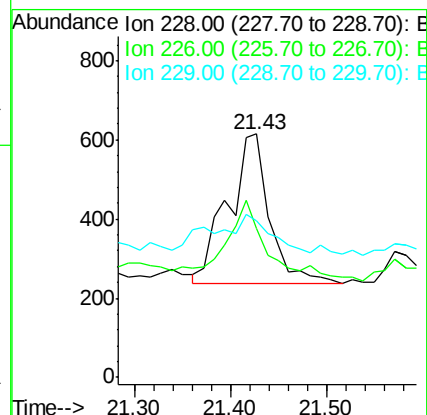
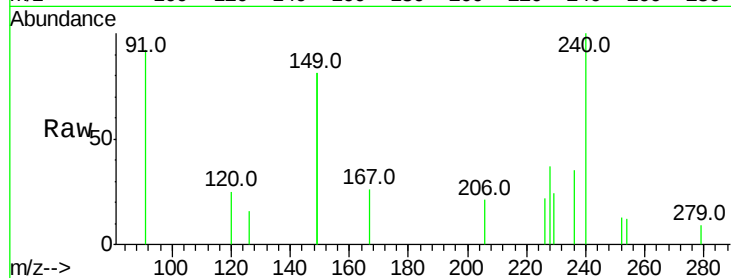
Tot Ion:228 Resp: 1130

Ion Ratio Lower Upper

228 100

226 61.0 20.8 31.2#

229 64.2 16.6 25.0#



#31

Chrysene

Concen: 0.021 ng

RT: 21.43 min Scan# 1655

Delta R.T. -0.02 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

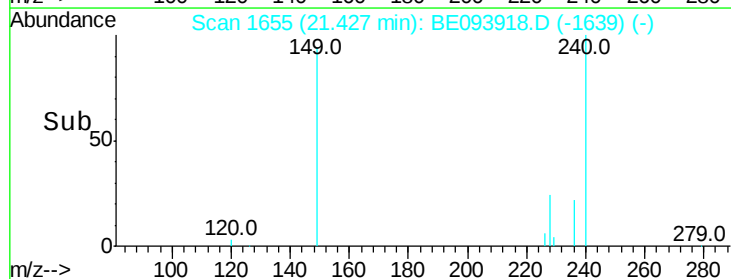
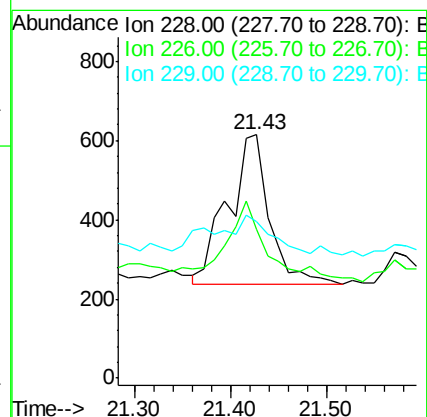
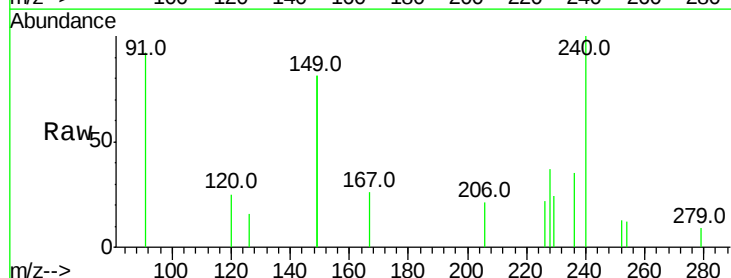
Tgt Ion:228 Resp: 1130

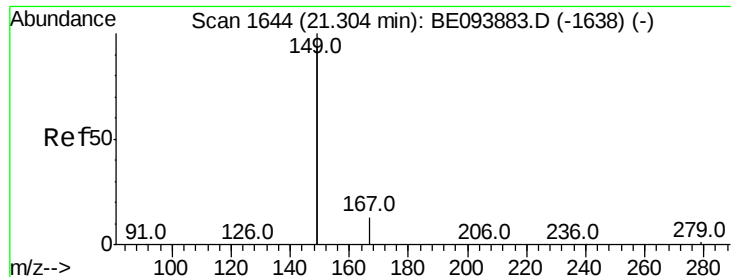
Ion Ratio Lower Upper

228 100

226 61.0 24.6 37.0#

229 64.2 15.8 23.8#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 21.31 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

Instrument :

BNA_E

ClientSampleId :

MW-115

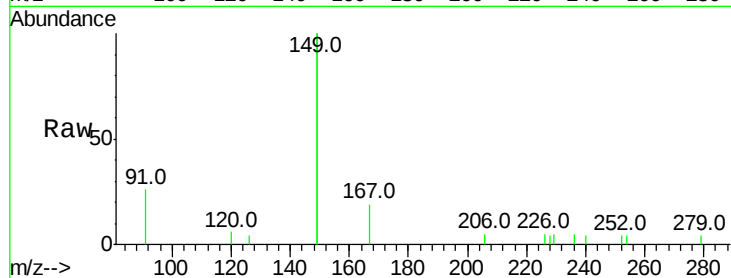
Tot Ion:149 Resp: 14368

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

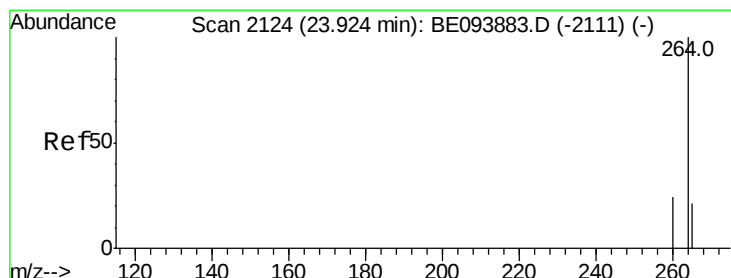
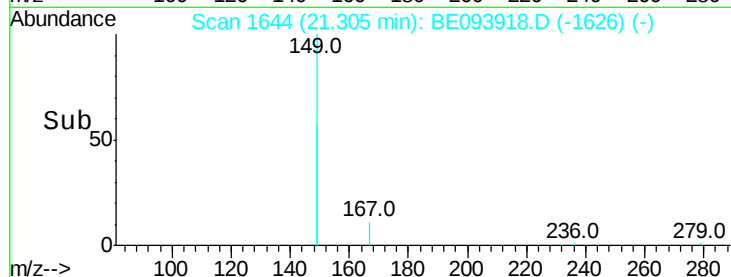
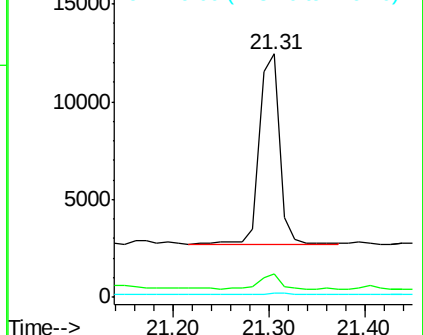
279 0.9 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE093918.D

Acq: 2 Sep 2017 1:01

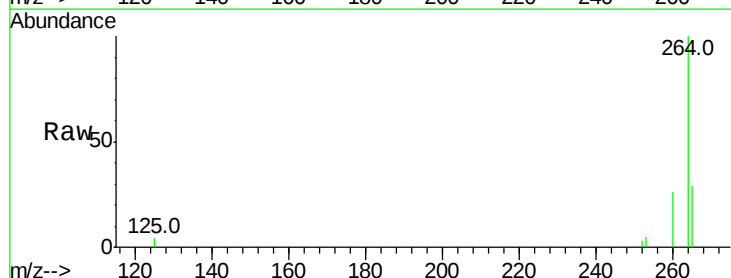
Tgt Ion:264 Resp: 14441

Ion Ratio Lower Upper

264 100

260 26.1 20.0 30.0

265 28.8 24.0 36.0



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

