

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093989.D
 Acq On : 13 Sep 2017 15:04
 Operator : SJ/JU
 Sample : I5189-04MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-03-090817MS

Quant Time: Sep 14 00:53:42 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	2972	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	14819	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	8816	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	21076	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	22872	0.40	ng	-0.01
34) Perylene-d12	23.93	264	17238	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1070	0.11	ng	0.00
5) Phenol-d6	7.11	99	879	0.06	ng	0.00
8) Nitrobenzene-d5	9.08	82	3046	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5831	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	602	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	8974	0.26	ng	0.00
25) Fluoranthene-d10	19.28	212	61558	0.20	ng	0.00
29) Terphenyl-d14	19.87	244	13919	0.33	ng	0.00

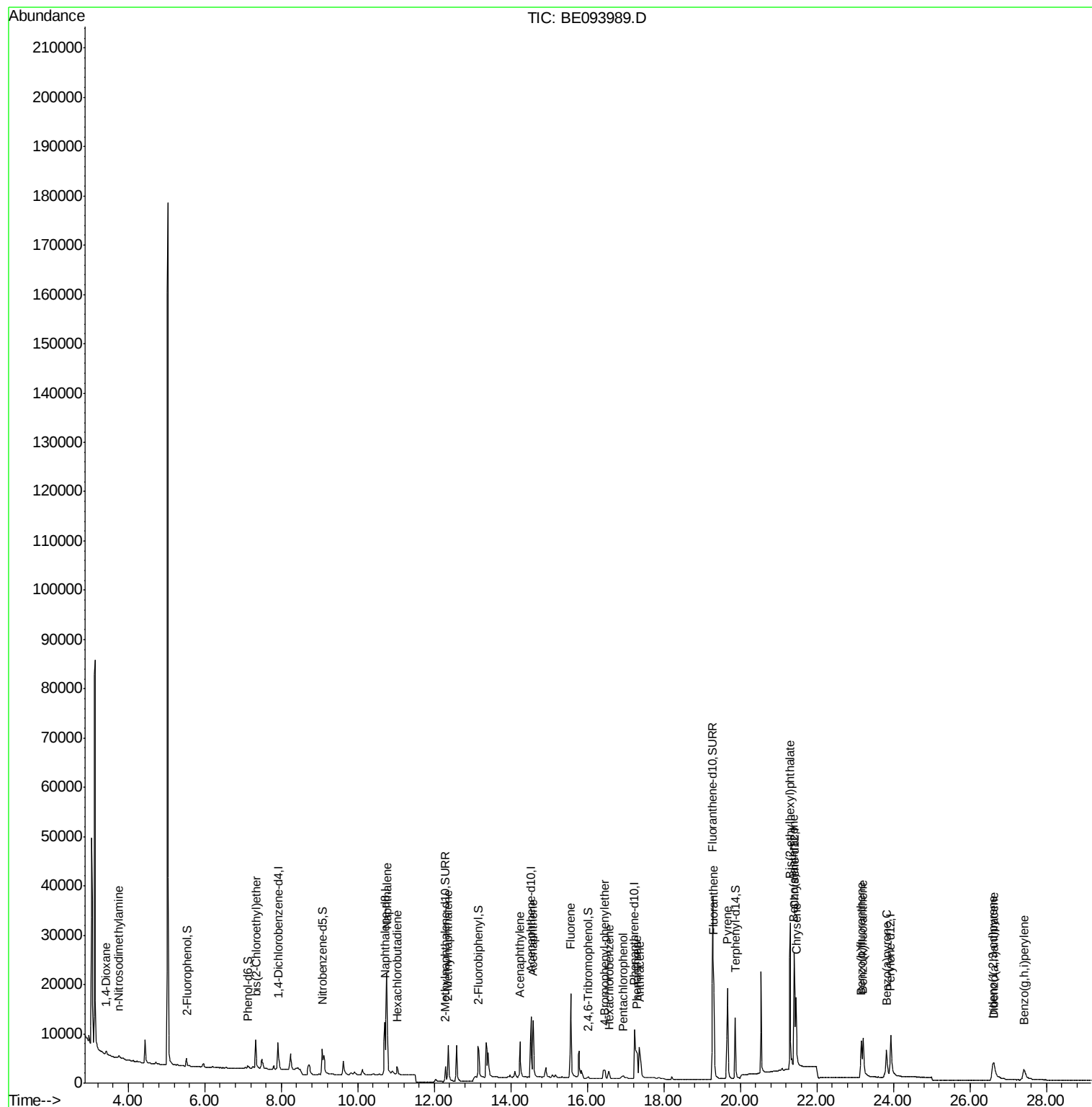
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.43	88	508	0.124	ng	# 24
3) n-Nitrosodimethylamine	3.75	42	479	0.100	ng	92
6) bis(2-Chloroethyl)ether	7.34	93	2671	0.227	ng	93
9) Naphthalene	10.76	128	40166	0.236	ng	99
10) Hexachlorobutadiene	11.02	225	1326	0.215	ng	97
12) 2-Methylnaphthalene	12.36	142	6913	0.245	ng	98
16) Acenaphthylene	14.24	152	10098	0.229	ng	100
17) Acenaphthene	14.58	154	7090	0.238	ng	98
18) Fluorene	15.56	166	9211	0.240	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	1956	0.101	ng	99
21) Hexachlorobenzene	16.58	284	1838	0.148	ng	# 100
22) Pentachlorophenol	16.94	266	1246	0.373	ng	96
23) Phenanthrene	17.30	178	11980	0.059	ng	# 100
24) Anthracene	17.37	178	13620	0.212	ng	# 99
26) Fluoranthene	19.30	202	18416	0.196	ng	99
28) Pyrene	19.67	202	18875	0.240	ng	100
30) Benzo(a)anthracene	21.40	228	15747	0.224	ng	99
31) Chrysene	21.46	228	17857	0.240	ng	97
32) Bis(2-ethylhexyl)phthalate	21.30	149	39191	0.230	ng	100
33) Indeno(1,2,3-cd)pyrene	26.60	276	9629	0.194	ng	98
35) Benzo(b)fluoranthene	23.16	252	12809	0.233	ng	98
36) Benzo(k)fluoranthene	23.21	252	16332	0.243	ng	96
37) Benzo(a)pyrene	23.82	252	13426	0.240	ng	97
38) Dibenzo(a,h)anthracene	26.62	278	7400	0.200	ng	# 91
39) Benzo(g,h,i)perylene	27.42	276	8639	0.221	ng	99

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

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Quant Time: Sep 14 00:53:42 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: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

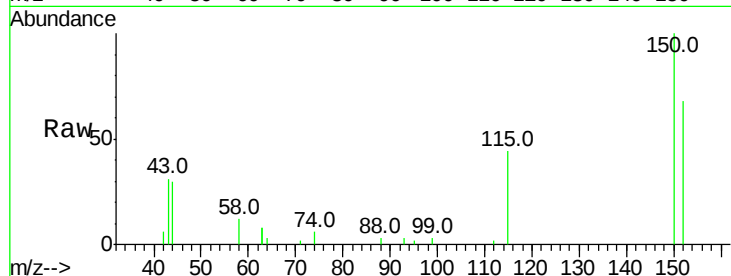
Tot Ion:152 Resp: 2972

Ion Ratio Lower Upper

152 100

150 147.5 121.8 182.6

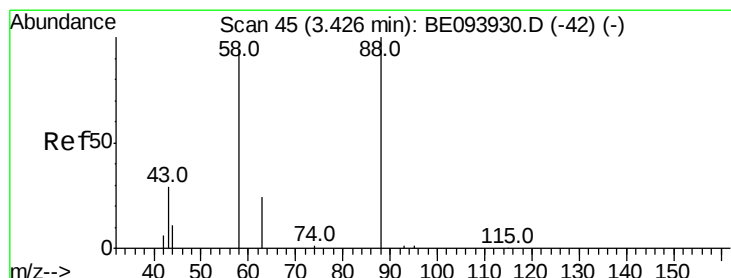
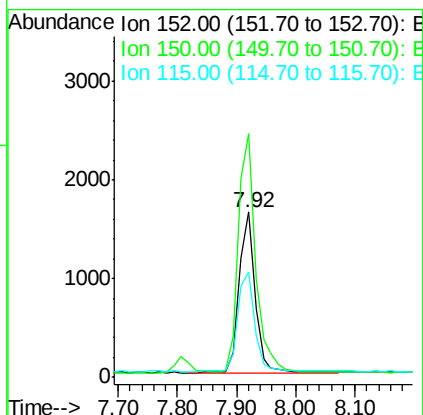
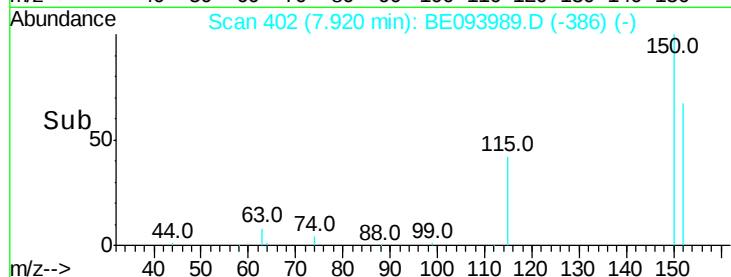
115 64.2 52.6 79.0



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: 0.124 ng

RT: 3.43 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

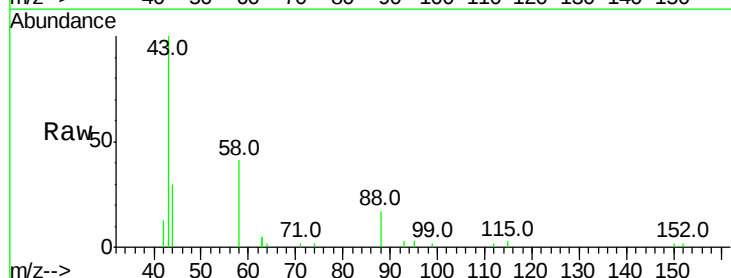
Tgt Ion: 88 Resp: 508

Ion Ratio Lower Upper

88 100

58 156.9 65.4 98.0#

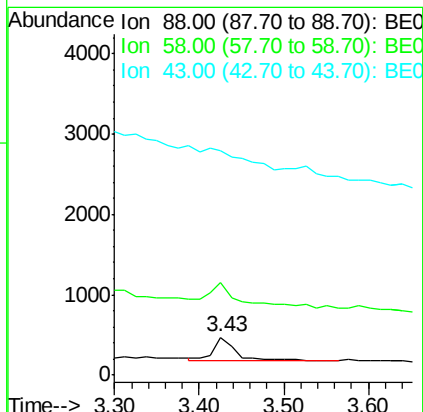
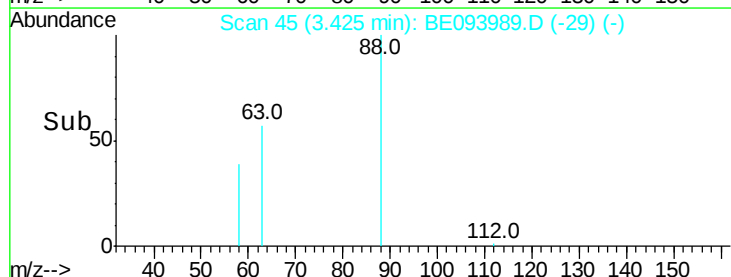
43 0.0 23.9 35.9#

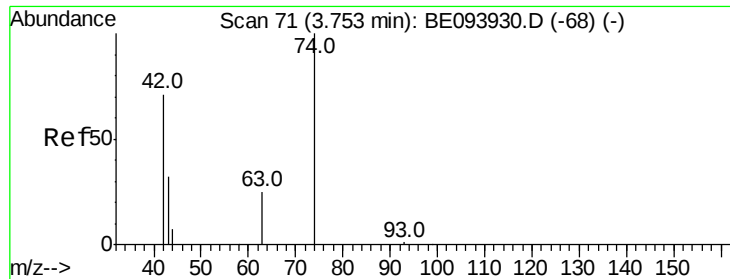


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.100 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

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PR-MW-03-090817MS

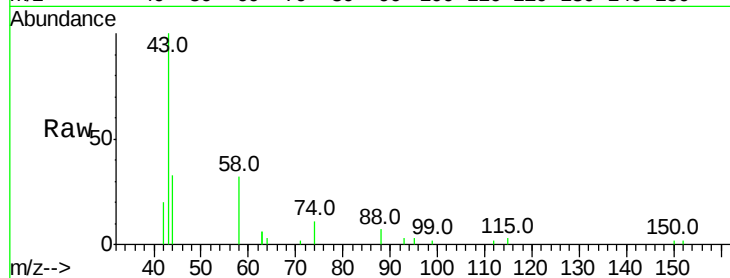
Tot Ion: 42 Resp: 479

Ion Ratio Lower Upper

42 100

74 119.6 104.0 156.0

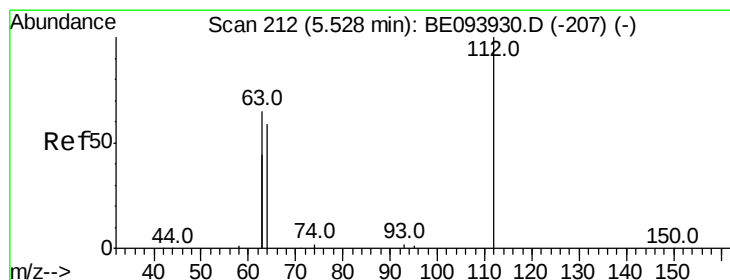
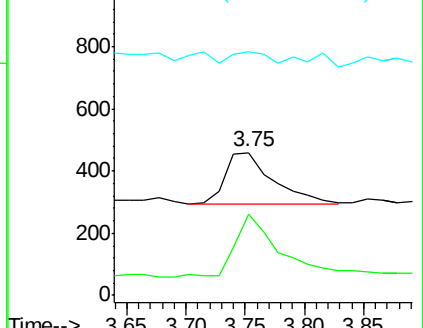
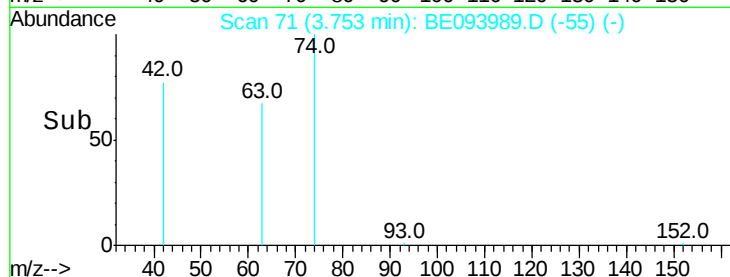
44 15.4 13.8 20.8



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.111 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

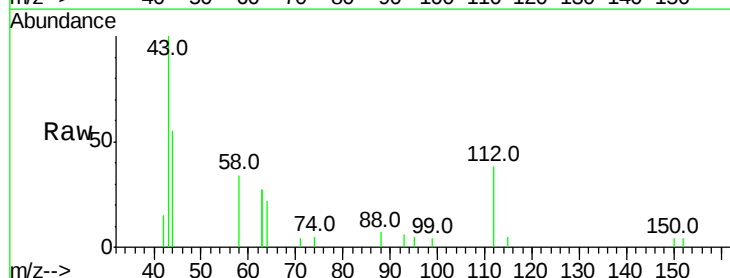
Tgt Ion: 112 Resp: 1070

Ion Ratio Lower Upper

112 100

64 70.0 57.7 86.5

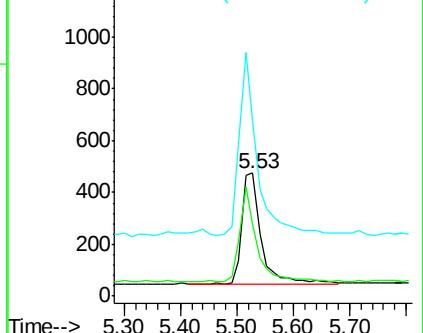
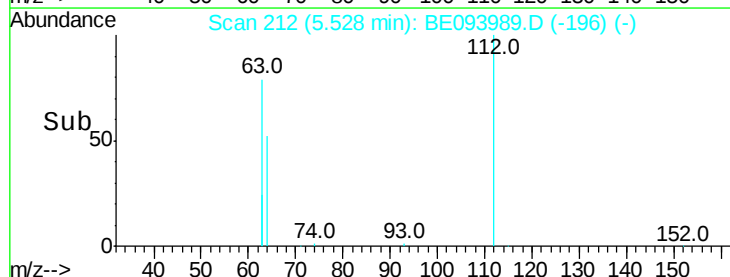
63 147.6 116.0 174.0

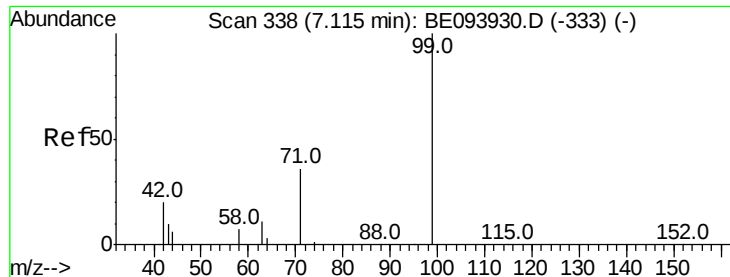


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.061 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

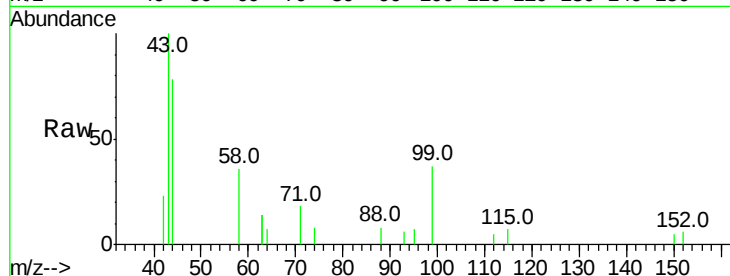
Tot Ion: 99 Resp: 879

Ion Ratio Lower Upper

99 100

42 23.4 17.1 25.7

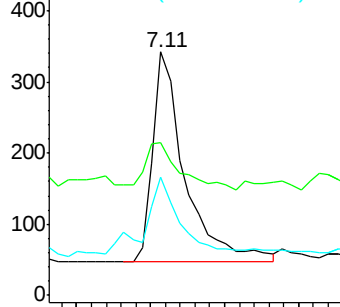
71 46.5 26.6 39.8#



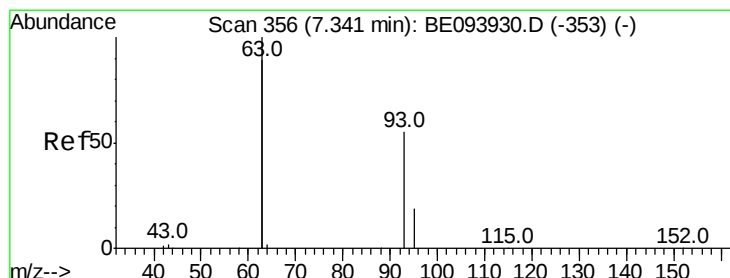
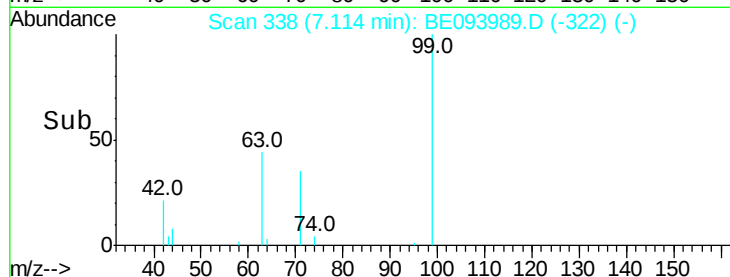
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.227 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

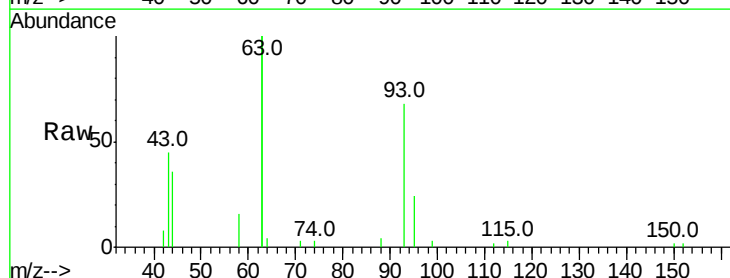
Tgt Ion: 93 Resp: 2671

Ion Ratio Lower Upper

93 100

63 338.9 283.4 425.2

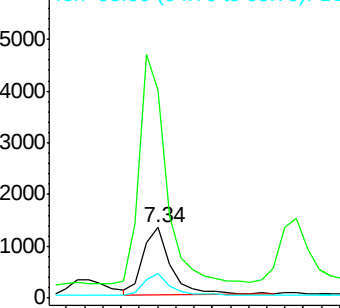
95 31.8 26.9 40.3



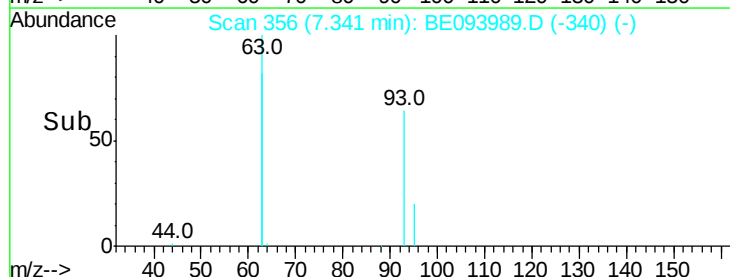
Abundance Ion 93.00 (92.70 to 93.70): BE0

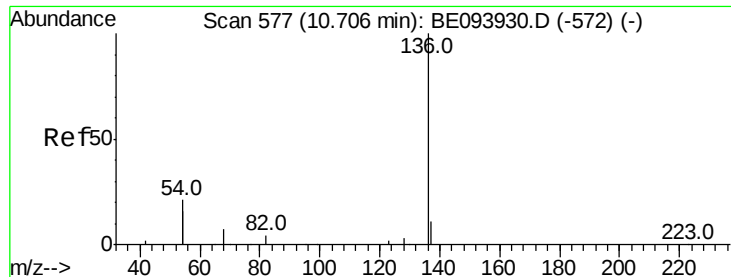
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

Tot Ion:136 Resp: 14819

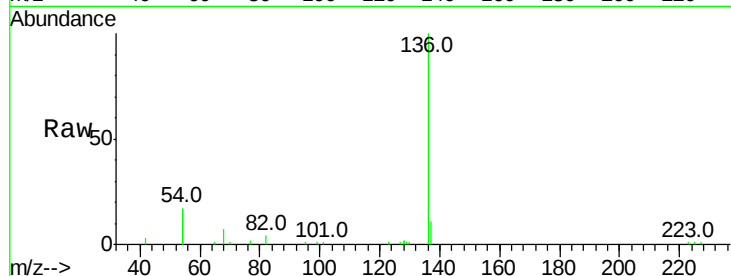
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 33.2 21.9 32.9#

68 6.8 4.6 7.0

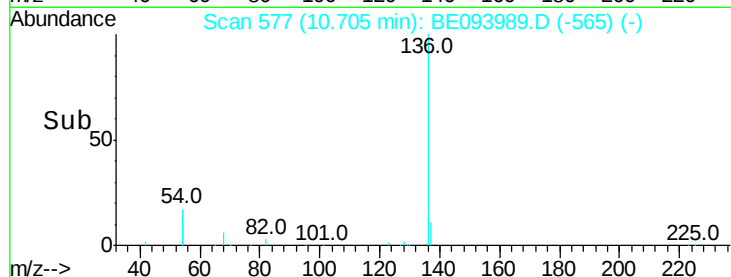


Abundance Ion 136.00 (135.70 to 136.70): E

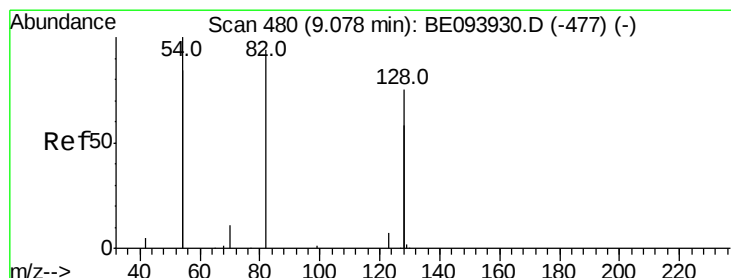
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.243 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

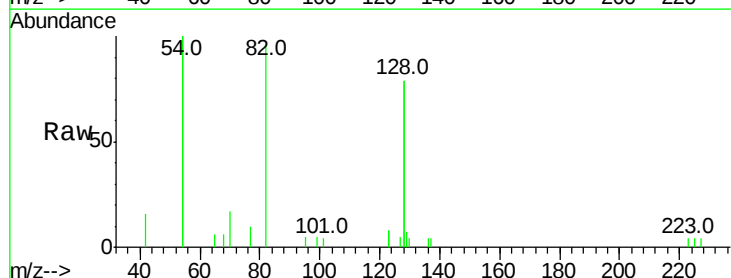
Tgt Ion: 82 Resp: 3046

Ion Ratio Lower Upper

82 100

128 164.5 91.4 137.0#

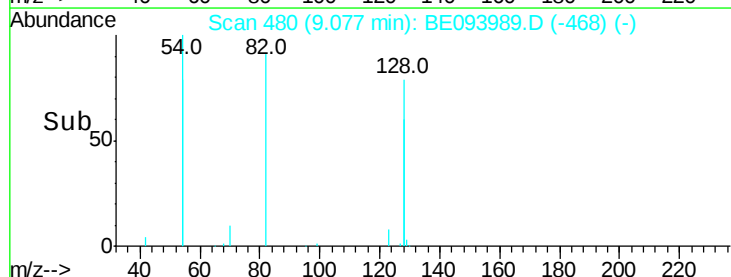
54 208.8 197.8 296.8



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



Time-->



#9

Naphthalene

Concen: 0.236 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

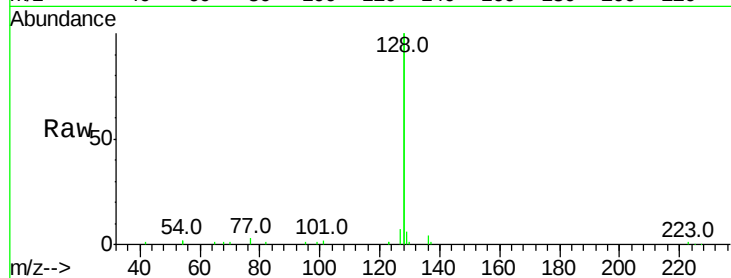
Tot Ion:128 Resp: 40166

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

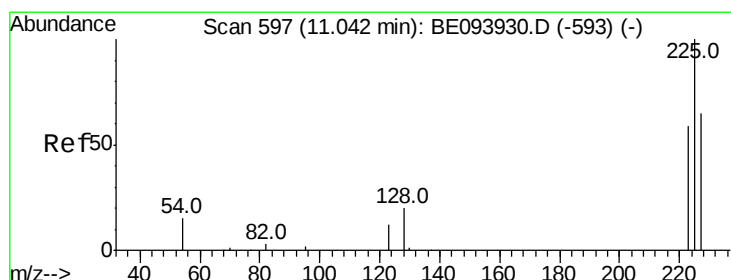
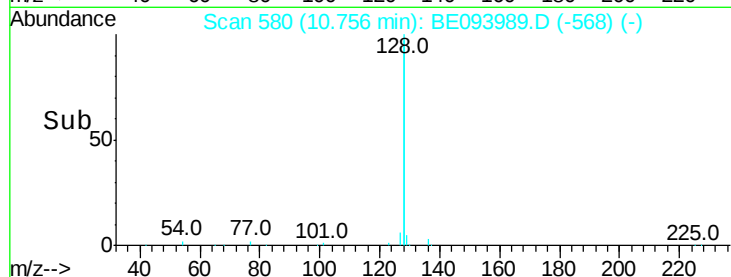
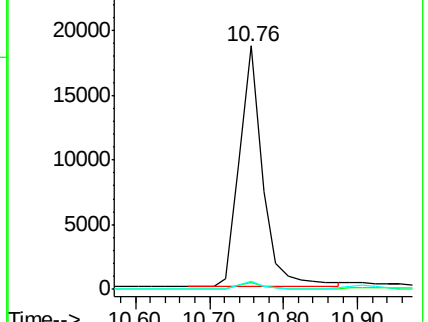
127 3.5 2.6 4.0



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



#10

Hexachlorobutadiene

Concen: 0.215 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

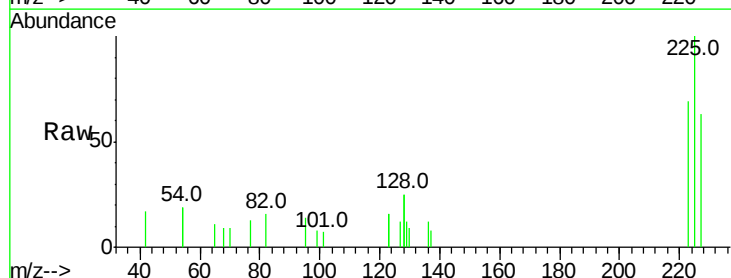
Tgt Ion:225 Resp: 1326

Ion Ratio Lower Upper

225 100

223 66.5 49.4 74.0

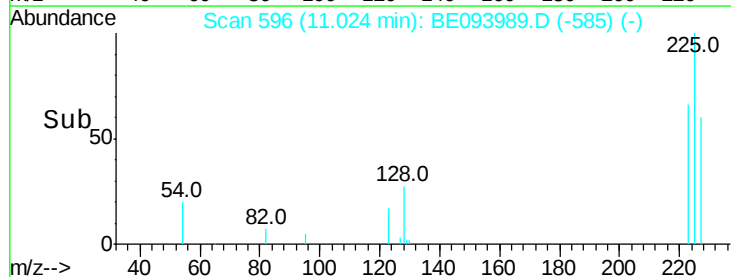
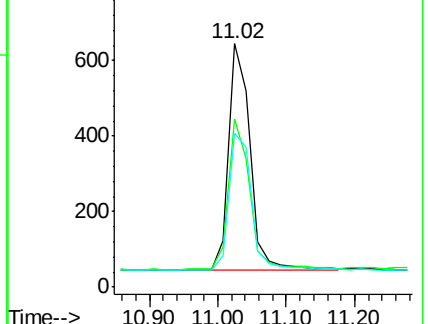
227 63.3 50.5 75.7



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.246 ng

RT: 12.29 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

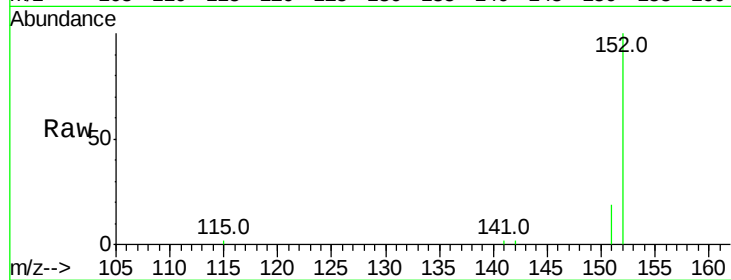
PR-MW-03-090817MS

Tot Ion:152 Resp: 5831

Ion Ratio Lower Upper

152 100

151 18.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.29

3000

2500

2000

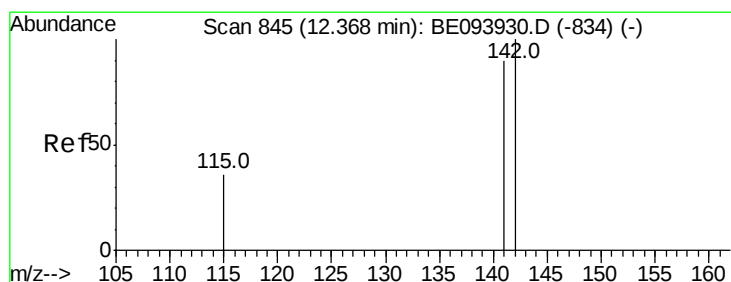
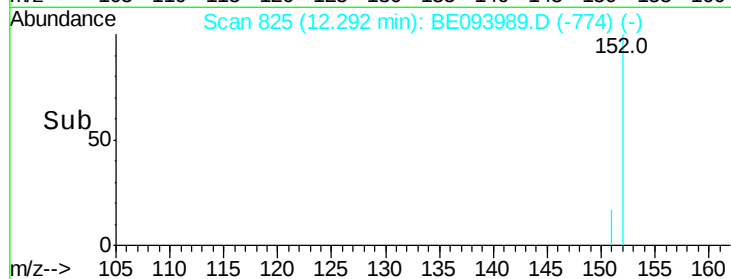
1500

1000

500

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.245 ng

RT: 12.36 min Scan# 844

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

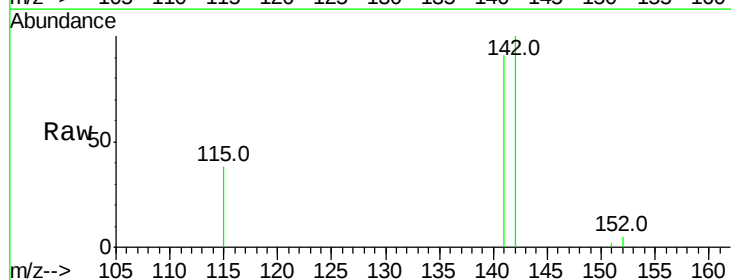
Tgt Ion:142 Resp: 6913

Ion Ratio Lower Upper

142 100

141 91.4 71.4 107.2

115 38.3 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.36

4000

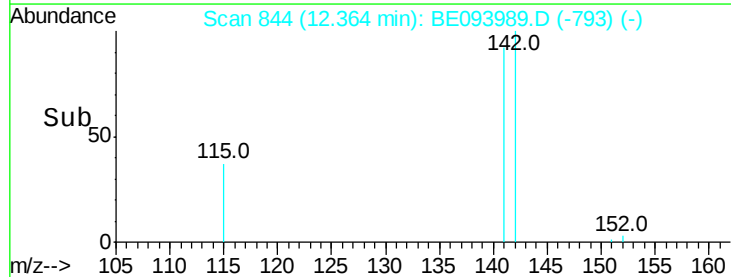
3000

2000

1000

0

Time--> 12.30 12.40 12.50

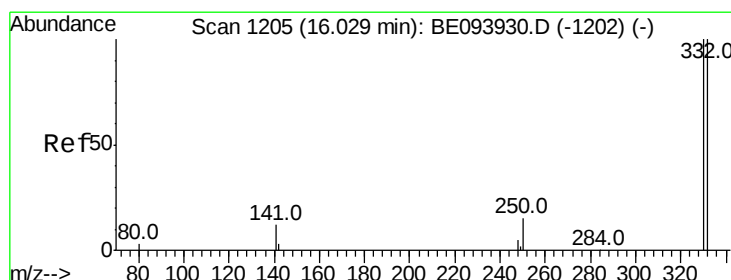
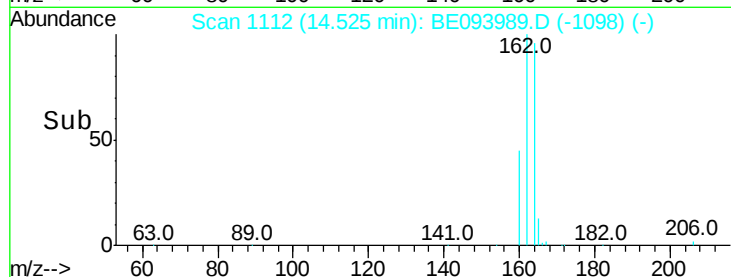
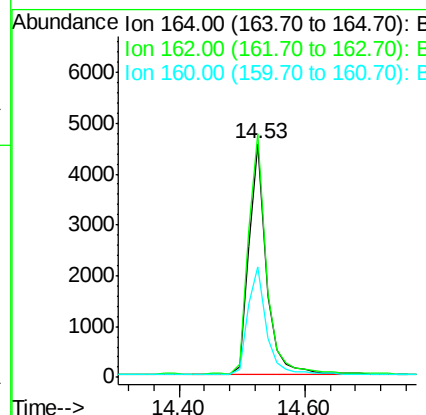
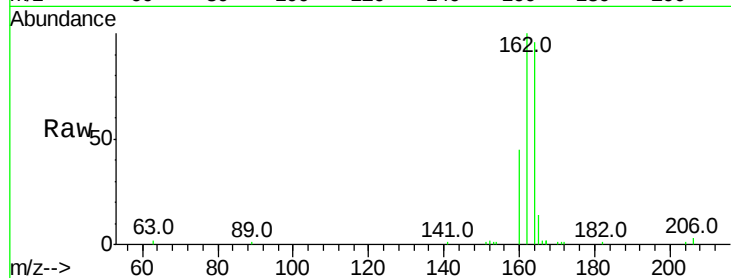




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

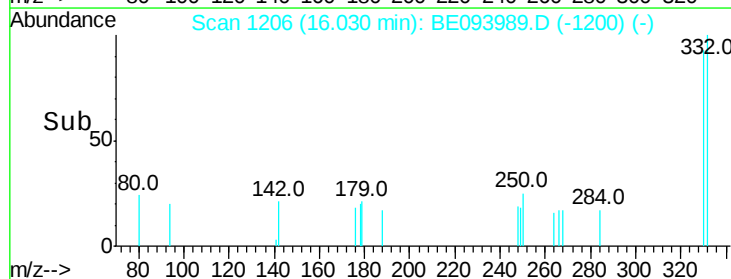
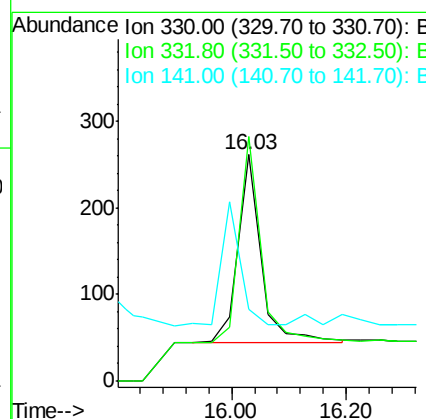
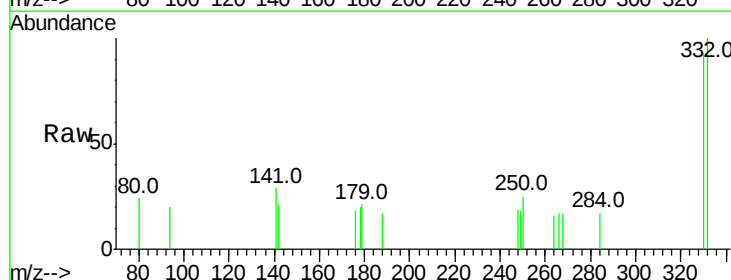
Instrument :
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ClientSampleId :
PR-MW-03-090817MS

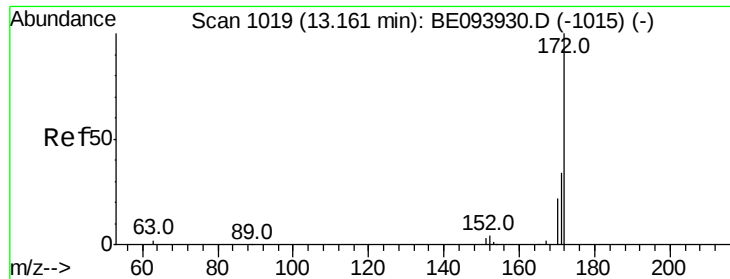
Tot Ion:164 Resp: 8816
Ion Ratio Lower Upper
164 100
162 104.0 80.8 121.2
160 47.2 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.221 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:330 Resp: 602
Ion Ratio Lower Upper
330 100
332 103.0 76.9 115.3
141 0.0 0.0 0.0

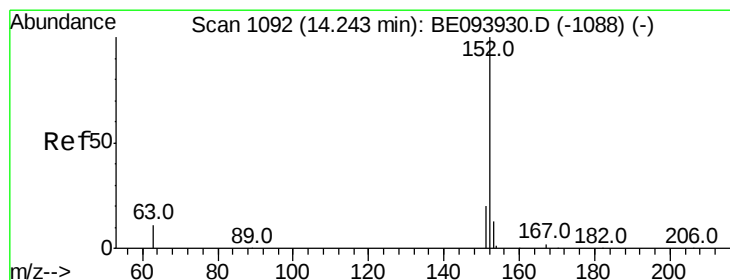
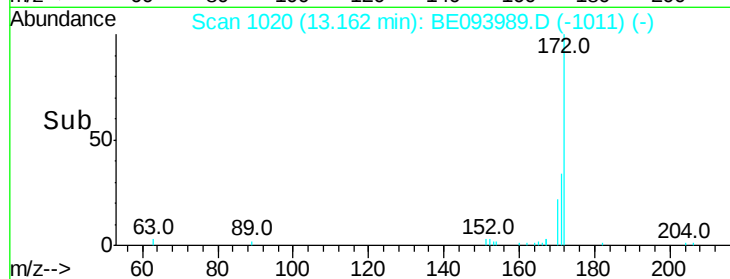
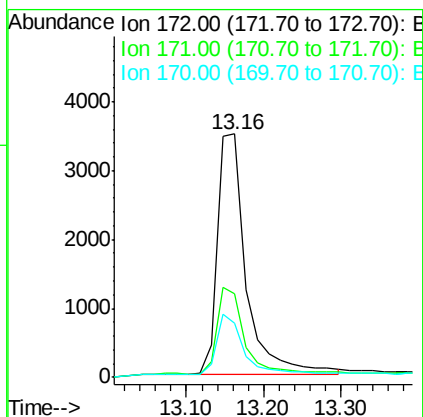
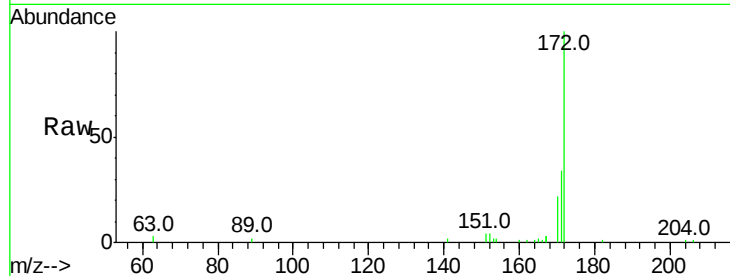




#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

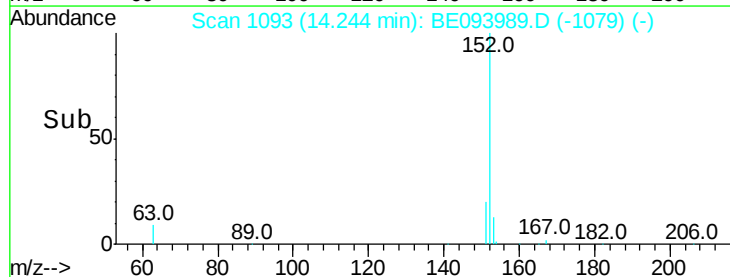
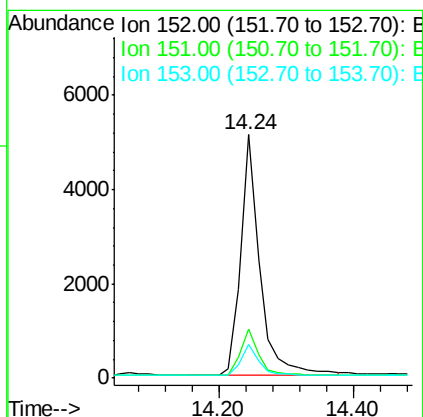
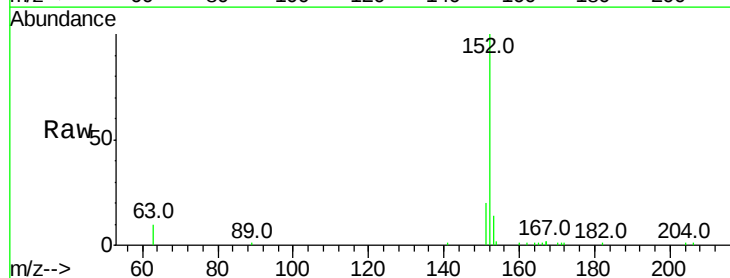
Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

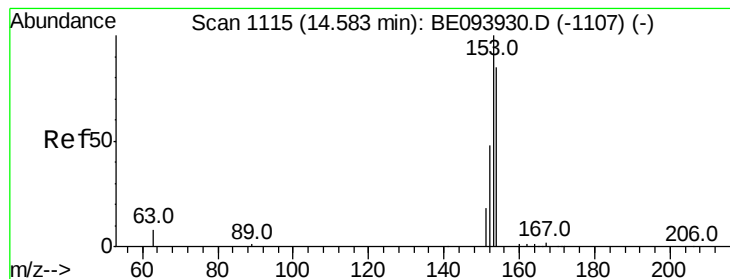
Tot Ion:172 Resp: 8974
Ion Ratio Lower Upper
172 100
171 34.2 26.9 40.3
170 22.1 17.3 25.9



#16
Acenaphthylene
Concen: 0.229 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:152 Resp: 10098
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.0 10.6 16.0





#17

Acenaphthene

Concen: 0.238 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

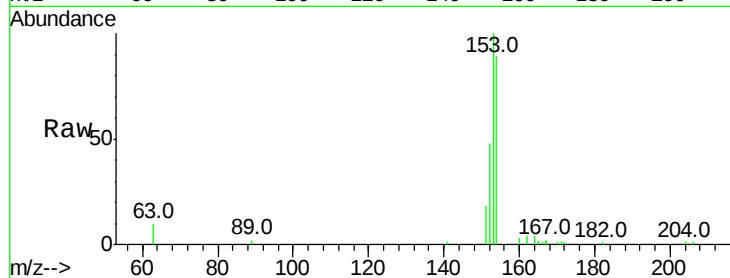
Tot Ion:154 Resp: 7090

Ion Ratio Lower Upper

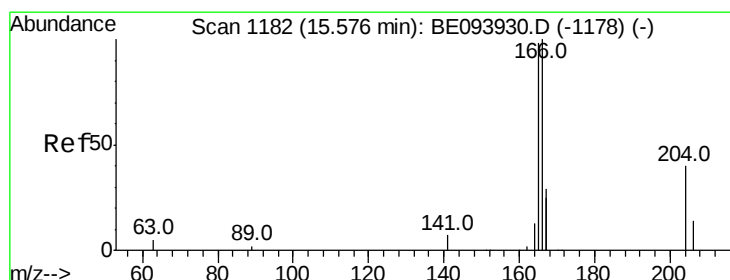
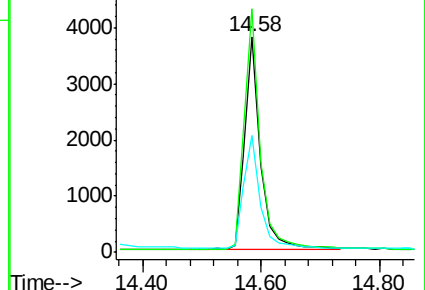
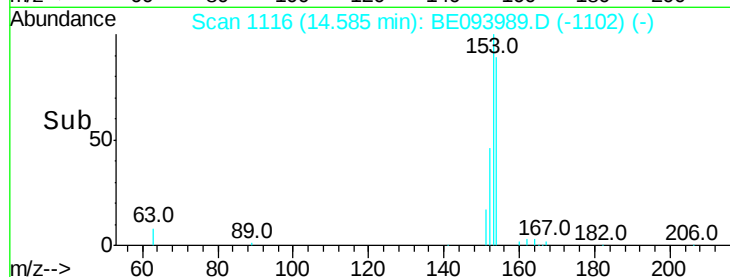
154 100

153 113.0 91.8 137.6

152 54.1 44.9 67.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.240 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

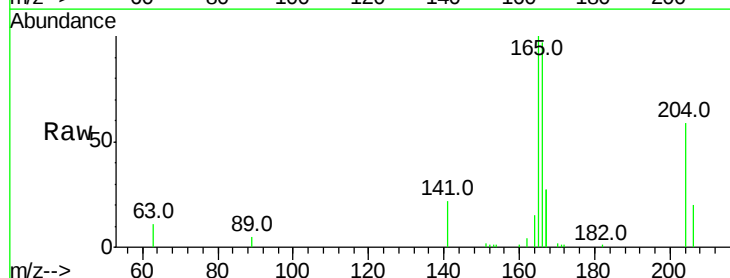
Tgt Ion:166 Resp: 9211

Ion Ratio Lower Upper

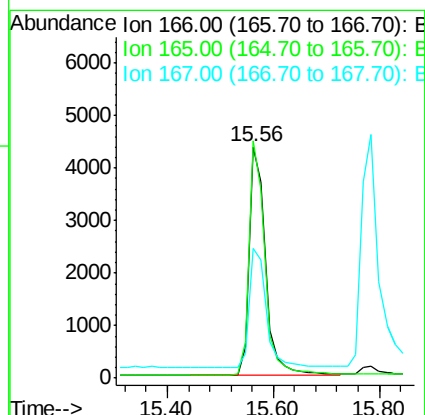
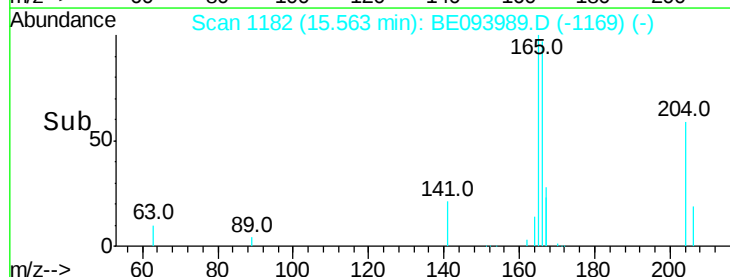
166 100

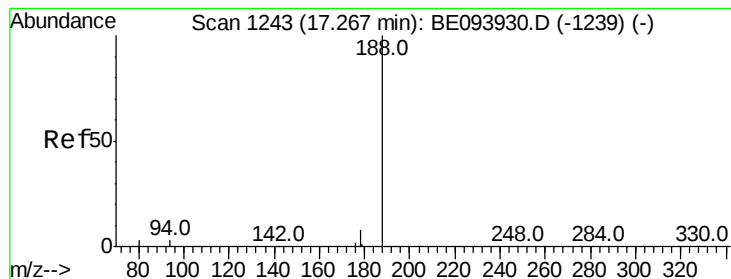
165 98.9 79.4 119.0

167 53.4 43.5 65.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

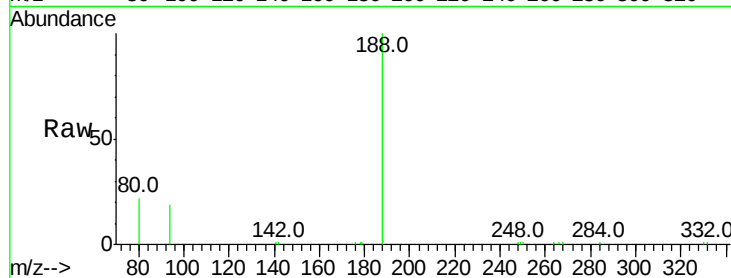
Tot Ion:188 Resp: 21076

Ion Ratio Lower Upper

188 100

94 19.4 16.1 24.1

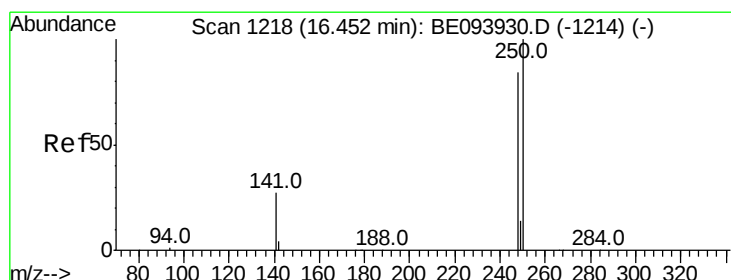
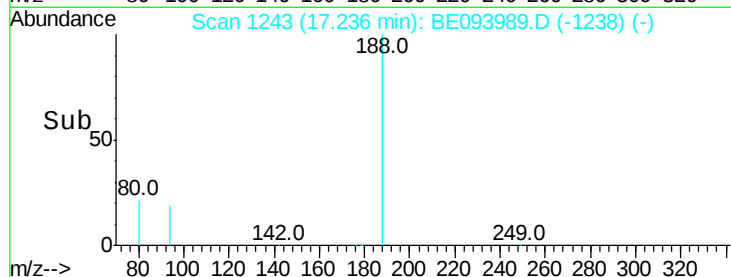
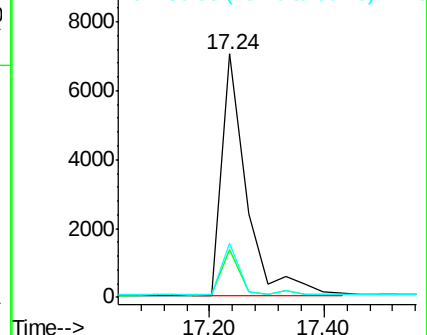
80 22.2 18.2 27.2



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: 0.101 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

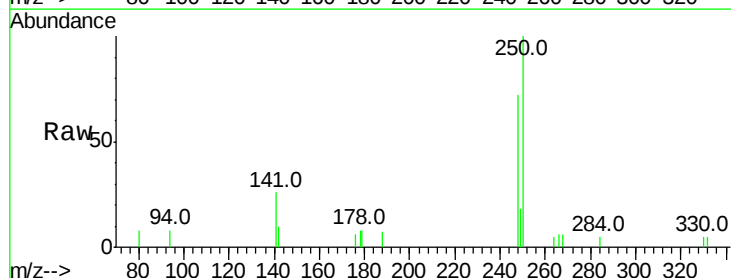
Tgt Ion:248 Resp: 1956

Ion Ratio Lower Upper

248 100

250 139.6 111.8 167.8

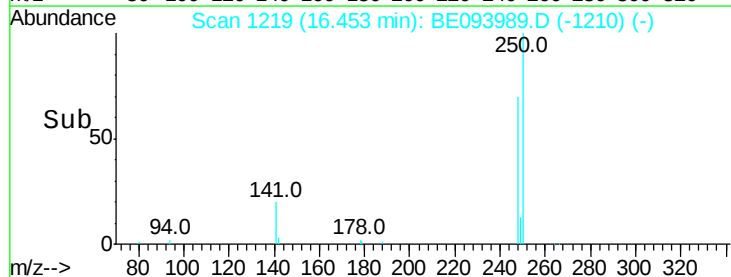
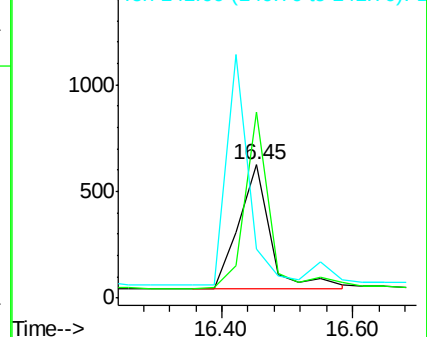
141 36.7 27.1 40.7



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





#21

Hexachlorobenzene

Concen: 0.148 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

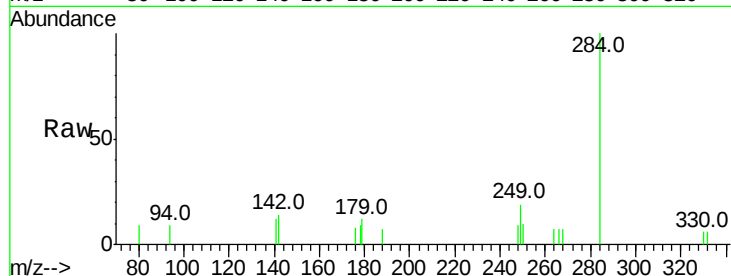
Tot Ion:284 Resp: 1838

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

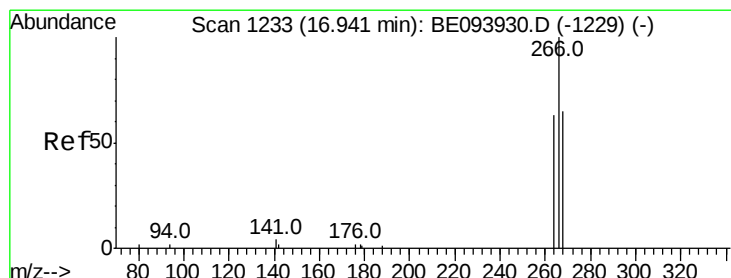
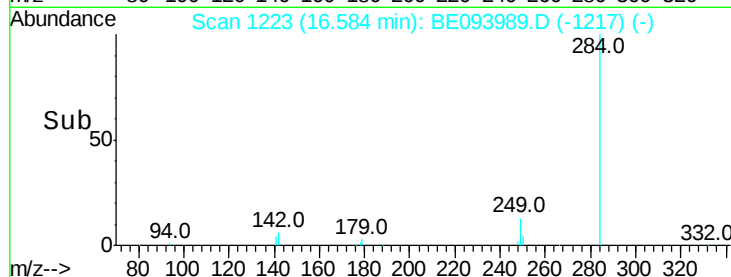
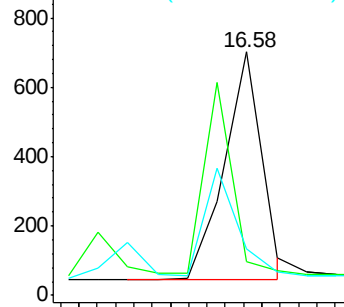
249 0.0 0.0 0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.373 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

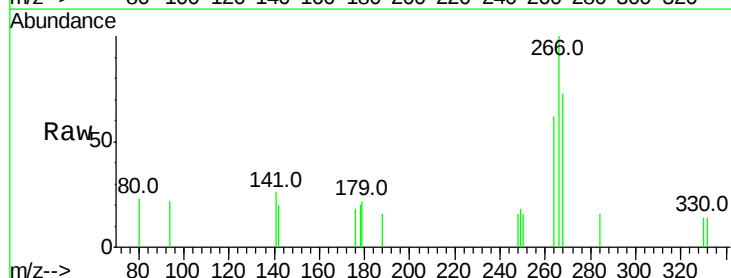
Tgt Ion:266 Resp: 1246

Ion Ratio Lower Upper

266 100

264 61.7 53.5 80.3

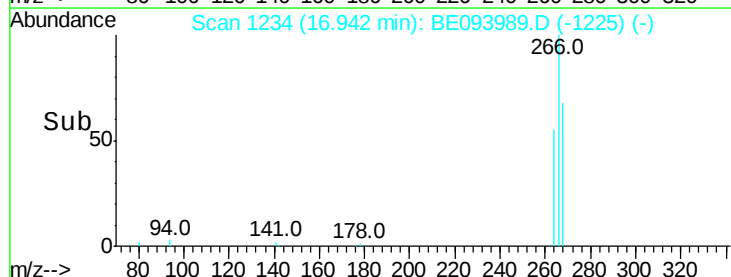
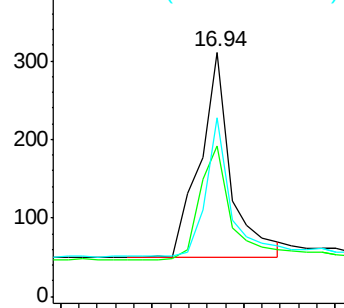
268 73.3 60.0 90.0

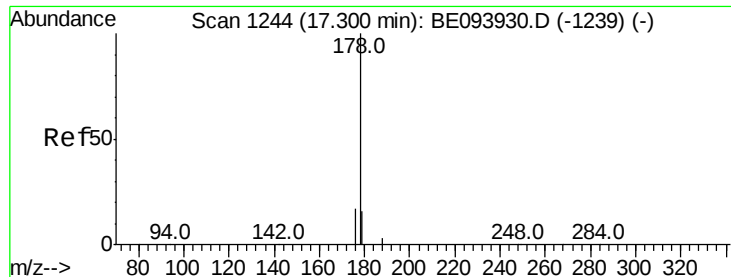


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.059 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

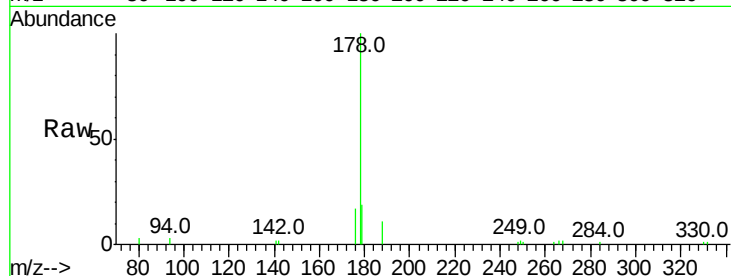
Tot Ion:178 Resp: 11980

Ion Ratio Lower Upper

178 100

176 0.0 0.0 0.0

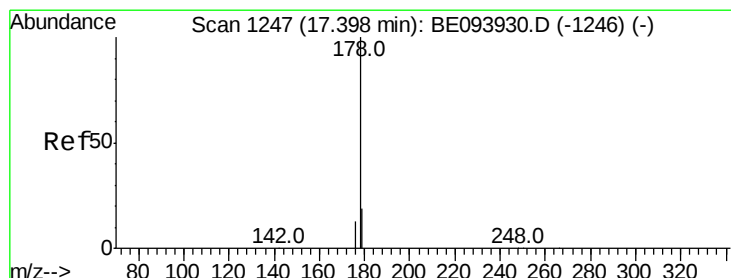
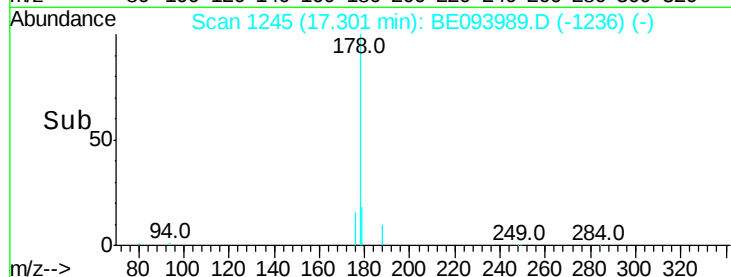
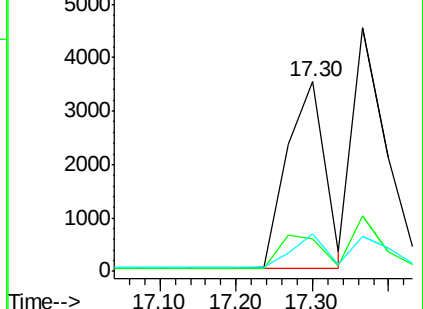
179 15.7 12.6 18.8



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: 0.212 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

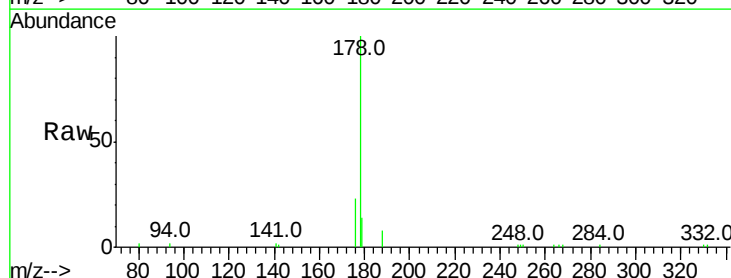
Tgt Ion:178 Resp: 13620

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

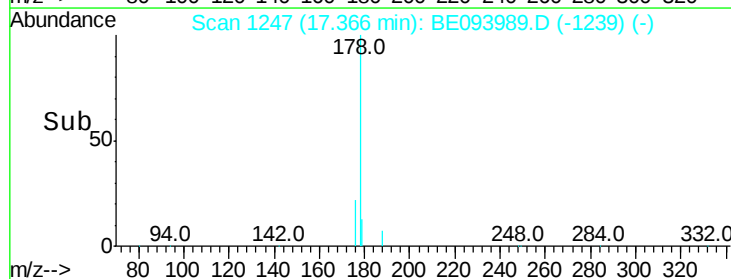
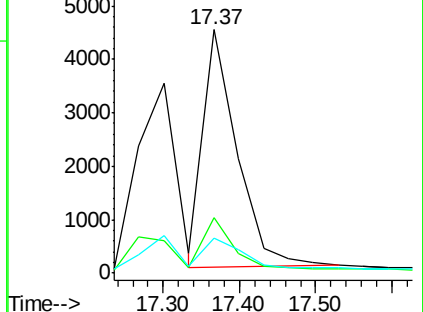
179 0.0 0.0 0.0

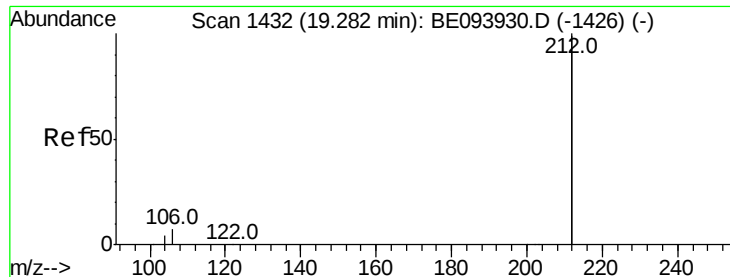


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.196 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

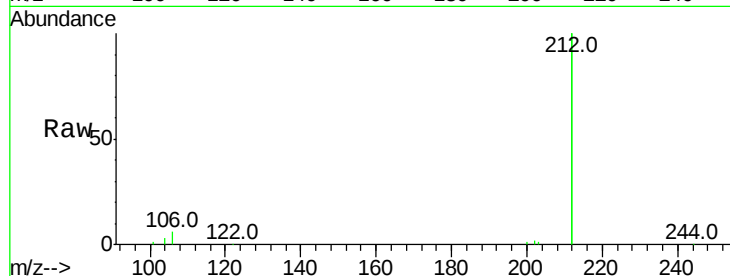
Tot Ion:212 Resp: 61558

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

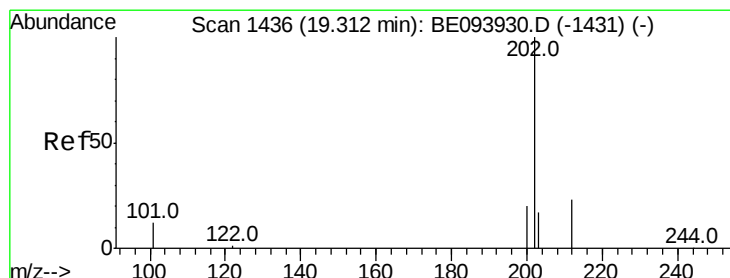
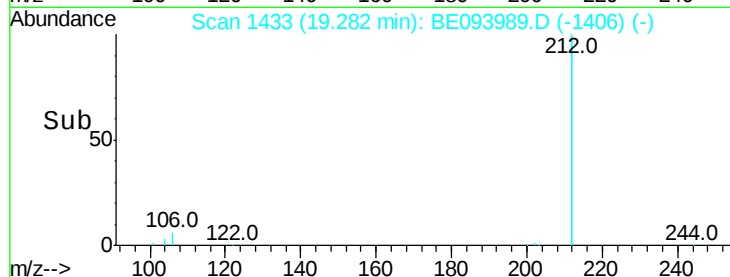
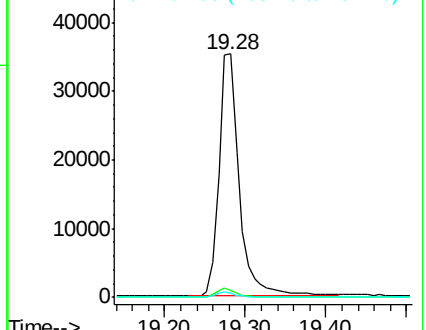
104 2.0 1.6 2.4



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



#26

Fluoranthene

Concen: 0.196 ng

RT: 19.30 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

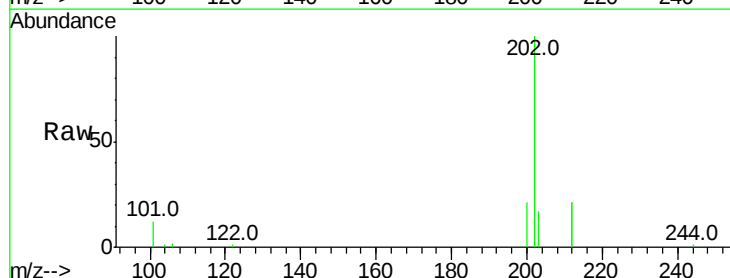
Tgt Ion:202 Resp: 18416

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

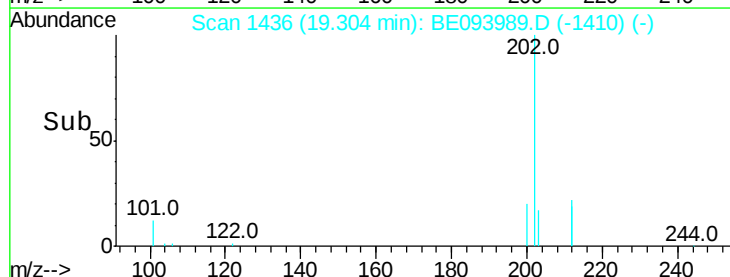
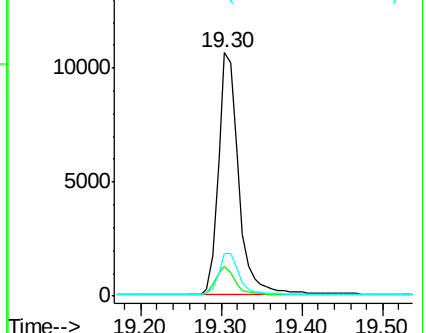
203 16.9 13.7 20.5



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

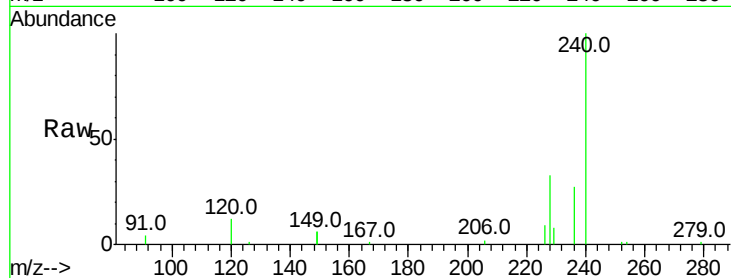
Tot Ion:240 Resp: 22872

Ion Ratio Lower Upper

240 100

120 11.9 8.7 13.1

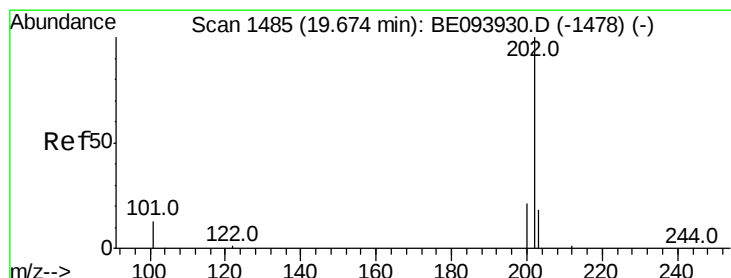
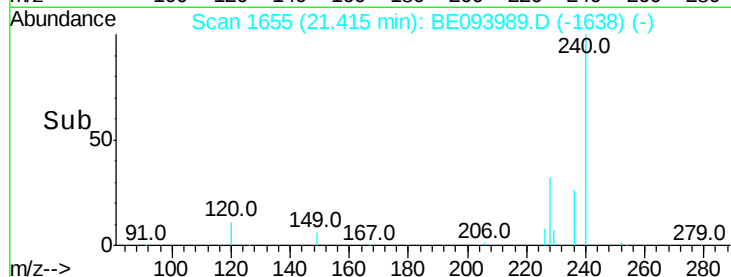
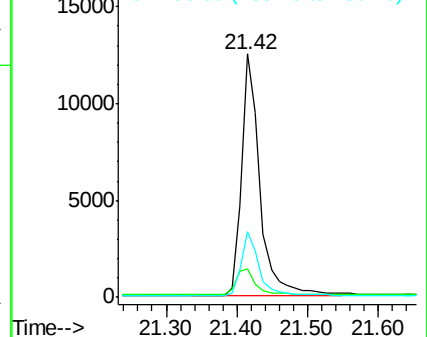
236 26.8 21.3 31.9



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

Pyrene

Concen: 0.240 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

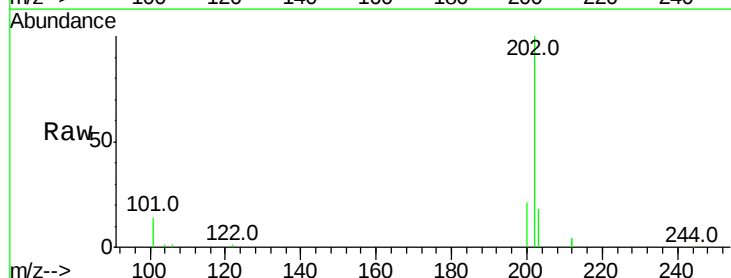
Tgt Ion:202 Resp: 18875

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

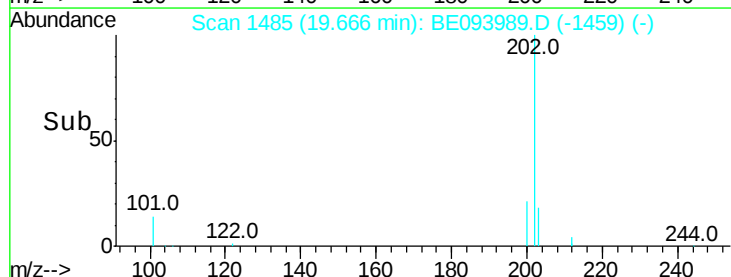
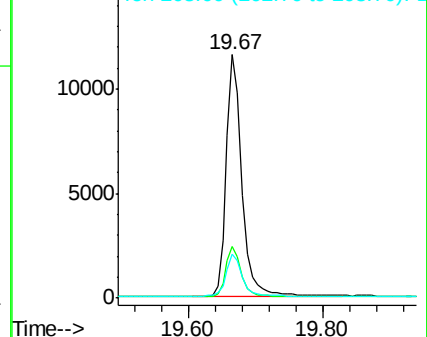
203 17.9 14.2 21.4



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





#29

Terphenyl-d14

Concen: 0.331 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

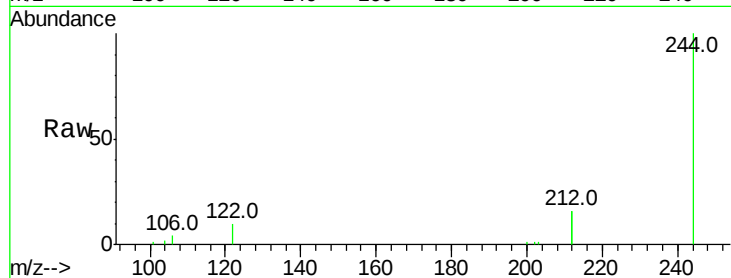
Tot Ion:244 Resp: 13919

Ion Ratio Lower Upper

244 100

212 32.4 28.3 42.5

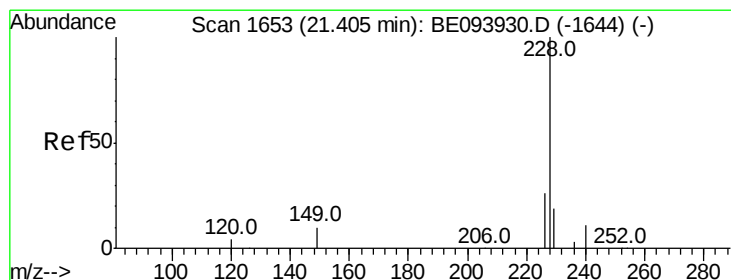
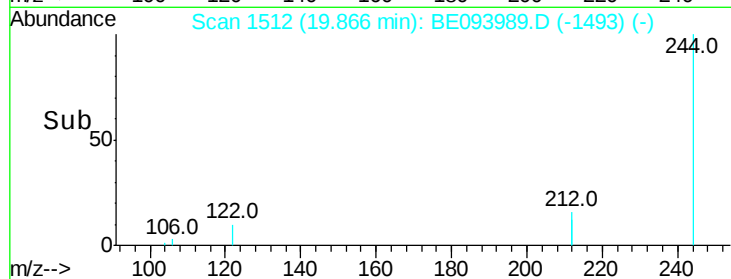
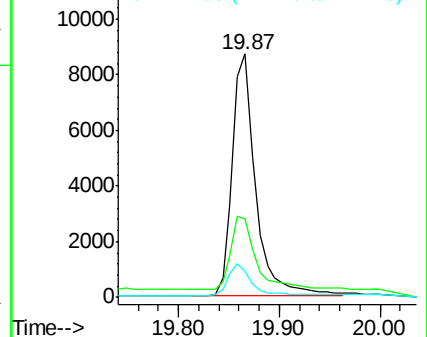
122 10.5 9.4 14.0



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



#30

Benzo(a)anthracene

Concen: 0.224 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

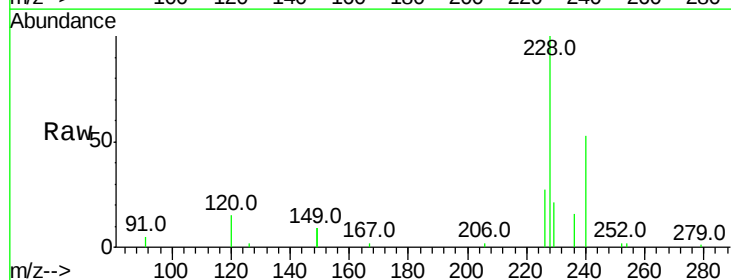
Tgt Ion:228 Resp: 15747

Ion Ratio Lower Upper

228 100

226 26.8 20.8 31.2

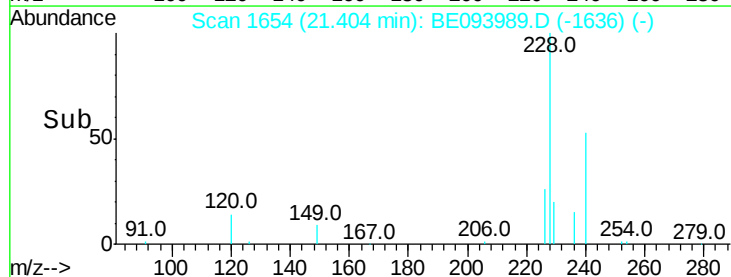
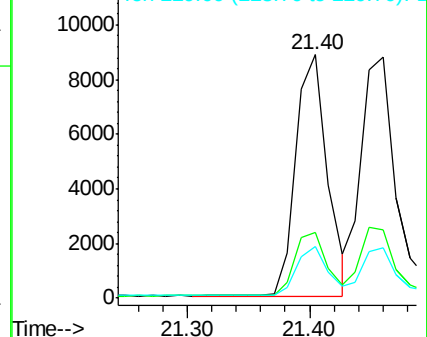
229 21.3 16.6 25.0

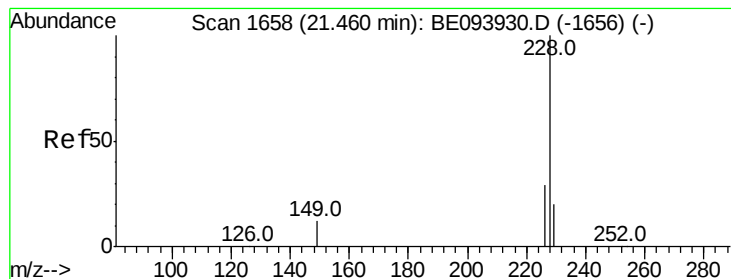


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.240 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

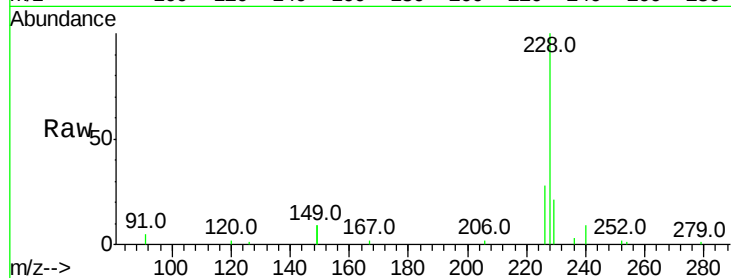
Tot Ion:228 Resp: 17857

Ion Ratio Lower Upper

228 100

226 28.5 24.6 37.0

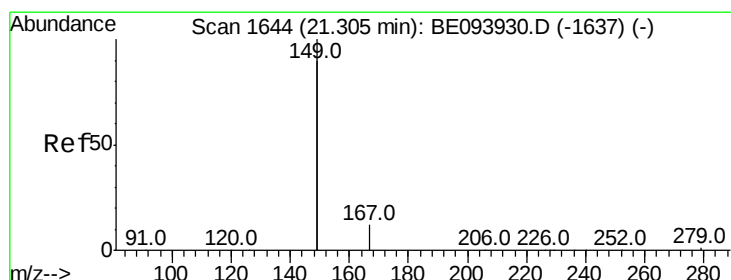
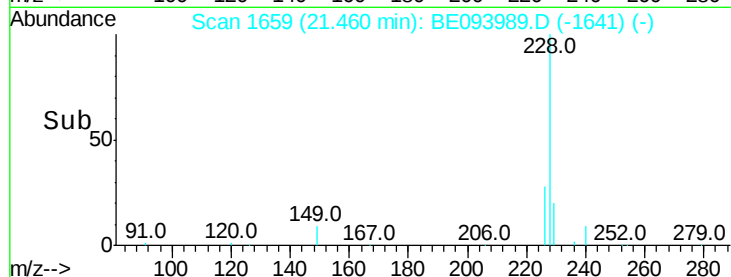
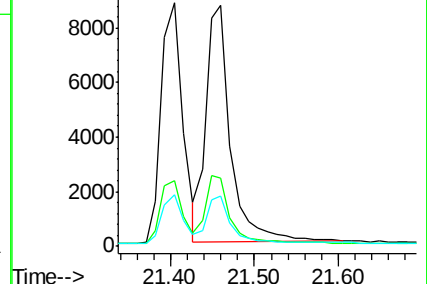
229 20.8 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.230 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

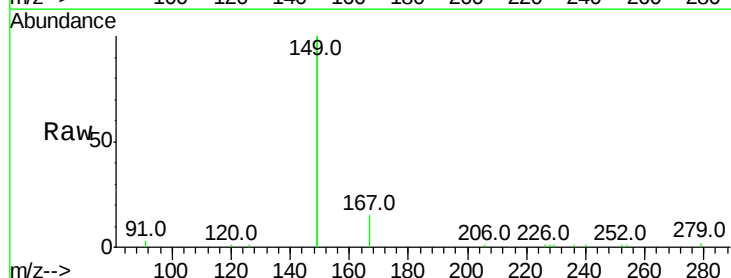
Tgt Ion:149 Resp: 39191

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

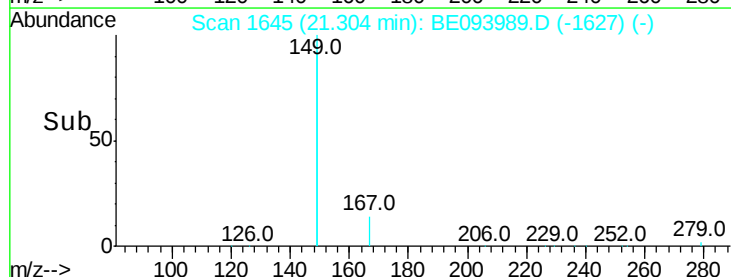
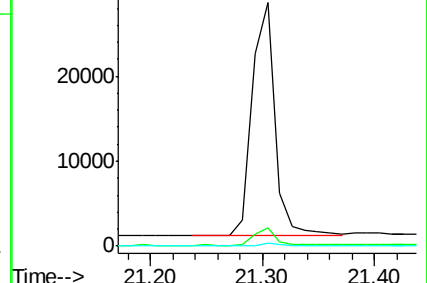
279 0.9 0.7 1.1



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

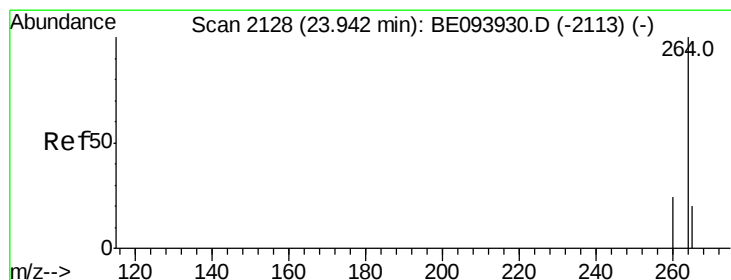
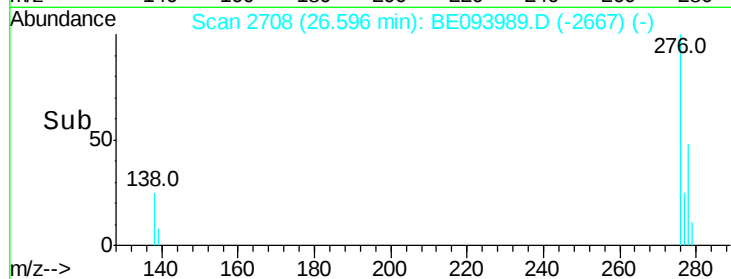
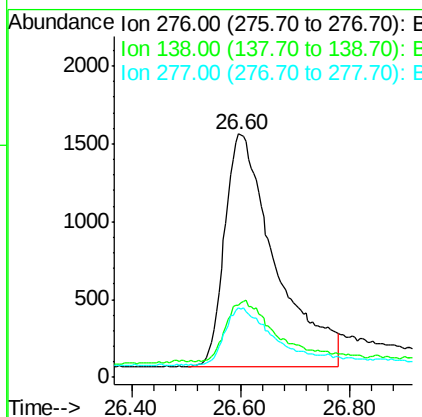
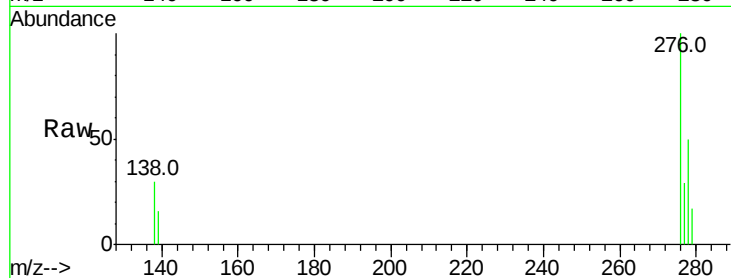




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.194 ng
 RT: 26.60 min Scan# 2708
 Delta R.T. -0.01 min
 Lab File: BE093989.D
 Acq: 13 Sep 2017 15:04

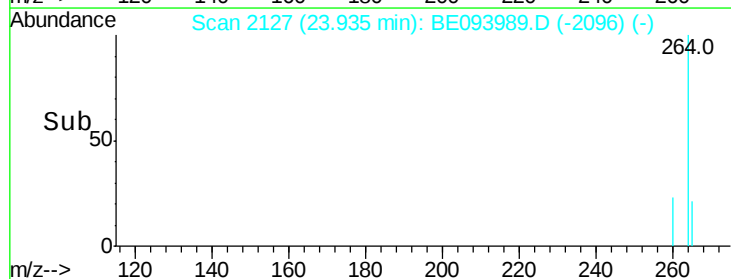
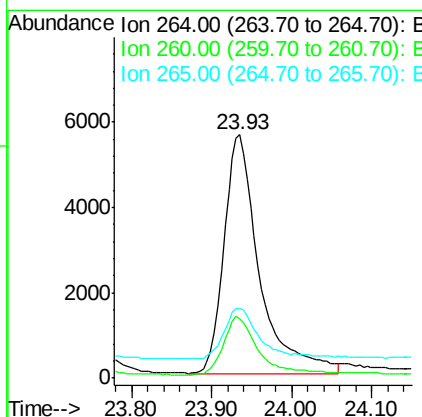
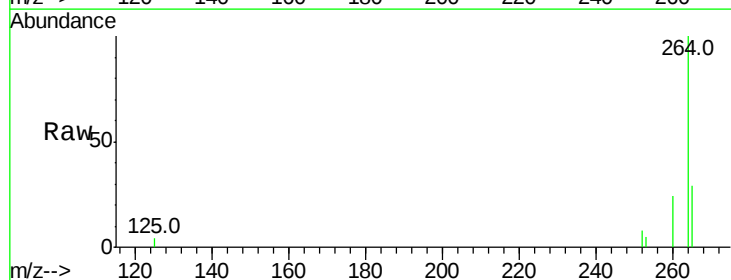
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-03-090817MS

Tot Ion:276 Resp: 9629
 Ion Ratio Lower Upper
 276 100
 138 26.0 22.2 33.2
 277 23.6 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE093989.D
 Acq: 13 Sep 2017 15:04

Tgt Ion:264 Resp: 17238
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.0 30.0
 265 28.7 24.0 36.0





#35

Benzo(b)fluoranthene

Concen: 0.233 ng

RT: 23.16 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS

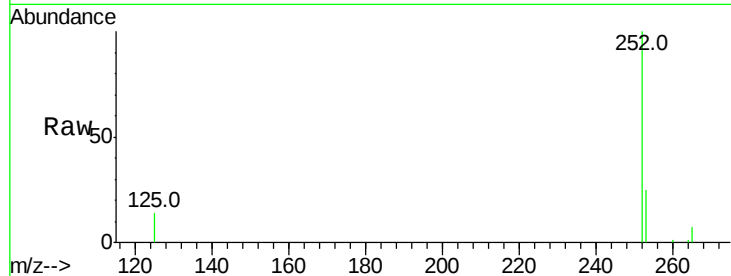
Tot Ion:252 Resp: 12809

Ion Ratio Lower Upper

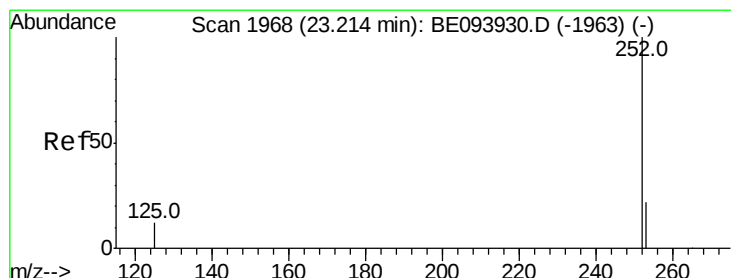
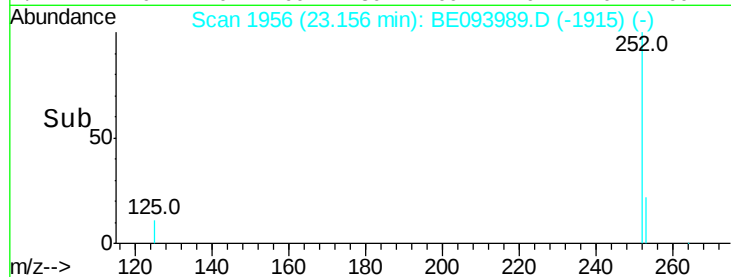
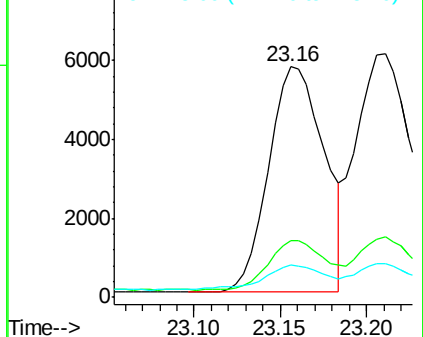
252 100

253 24.6 19.4 29.0

125 13.9 10.0 15.0



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



#36

Benzo(k)fluoranthene

Concen: 0.243 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE093989.D

Acq: 13 Sep 2017 15:04

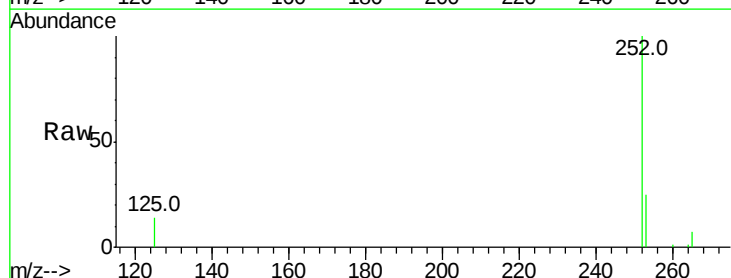
Tgt Ion:252 Resp: 16332

Ion Ratio Lower Upper

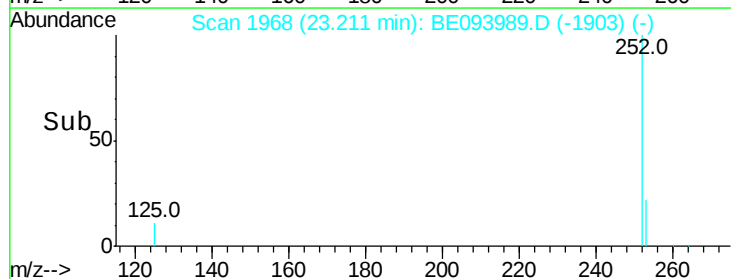
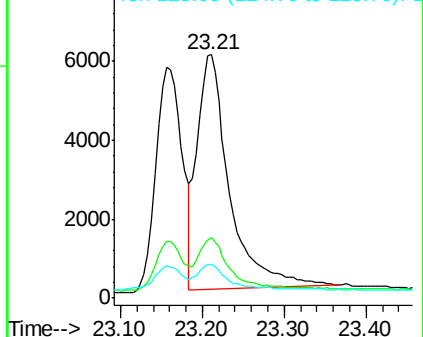
252 100

253 24.7 18.1 27.1

125 13.8 9.8 14.6



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

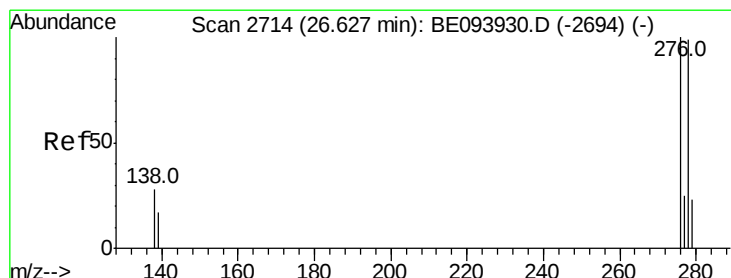
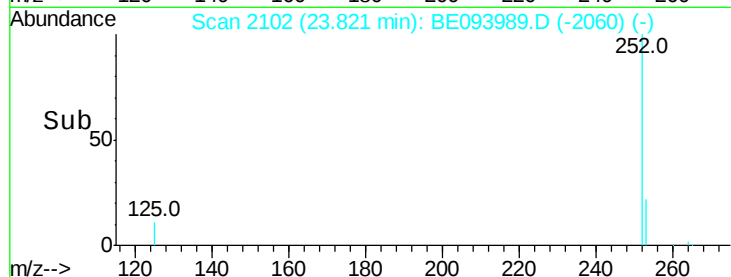
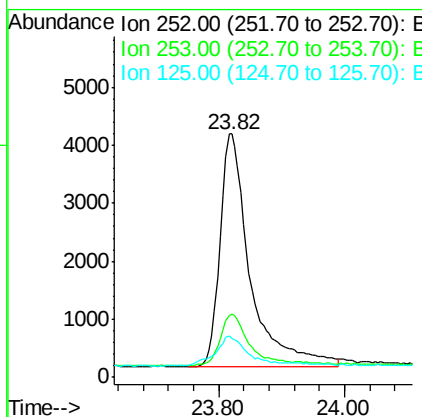
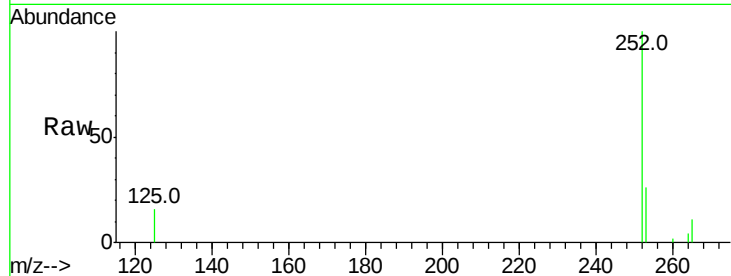




#37
Benzo(a)pyrene
Concen: 0.240 ng
RT: 23.82 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

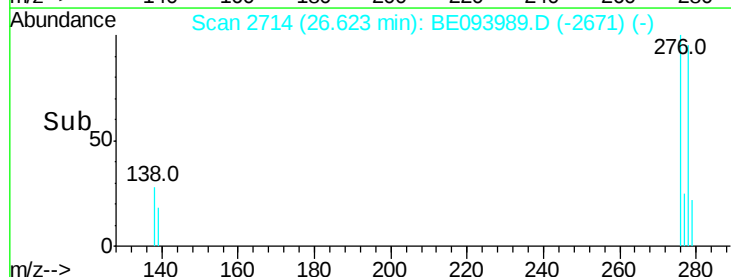
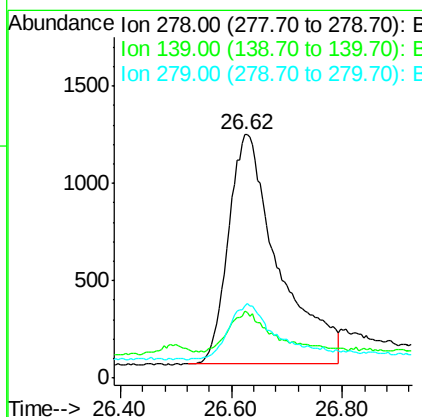
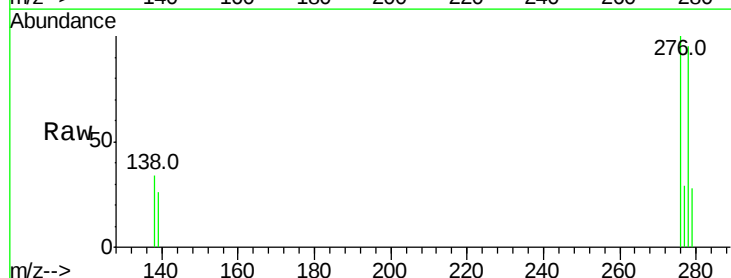
Instrument :
BNA_E
ClientSampleId :
PR-MW-03-090817MS

Tot Ion:252 Resp: 13426
Ion Ratio Lower Upper
252 100
253 26.0 19.6 29.4
125 15.7 11.8 17.8



#38
Dibenzo(a,h)anthracene
Concen: 0.200 ng
RT: 26.62 min Scan# 2714
Delta R.T. -0.00 min
Lab File: BE093989.D
Acq: 13 Sep 2017 15:04

Tgt Ion:278 Resp: 7400
Ion Ratio Lower Upper
278 100
139 27.3 16.7 25.1#
279 29.4 21.6 32.4





#39

Benzo(a,h,i)perylene

Concen: 0.221 ng

RT: 27.42 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BE093989.D

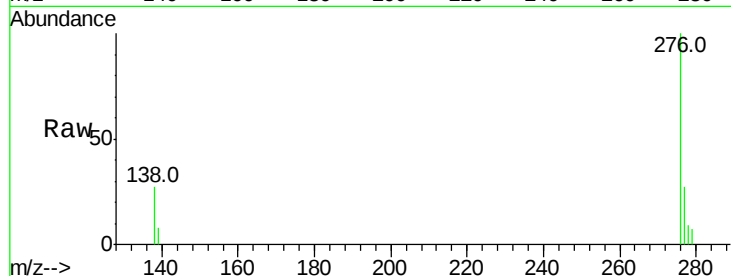
Acq: 13 Sep 2017 15:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-03-090817MS



Tot Ion:276 Resp: 8639

Ion Ratio Lower Upper

276 100

277 27.0 20.6 30.8

138 27.4 21.9 32.9

