

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091117\
 Data File : BE093974.D
 Acq On : 11 Sep 2017 22:06
 Operator : SJ/JU
 Sample : I5147-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-170906

Quant Time: Sep 12 07:44:46 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

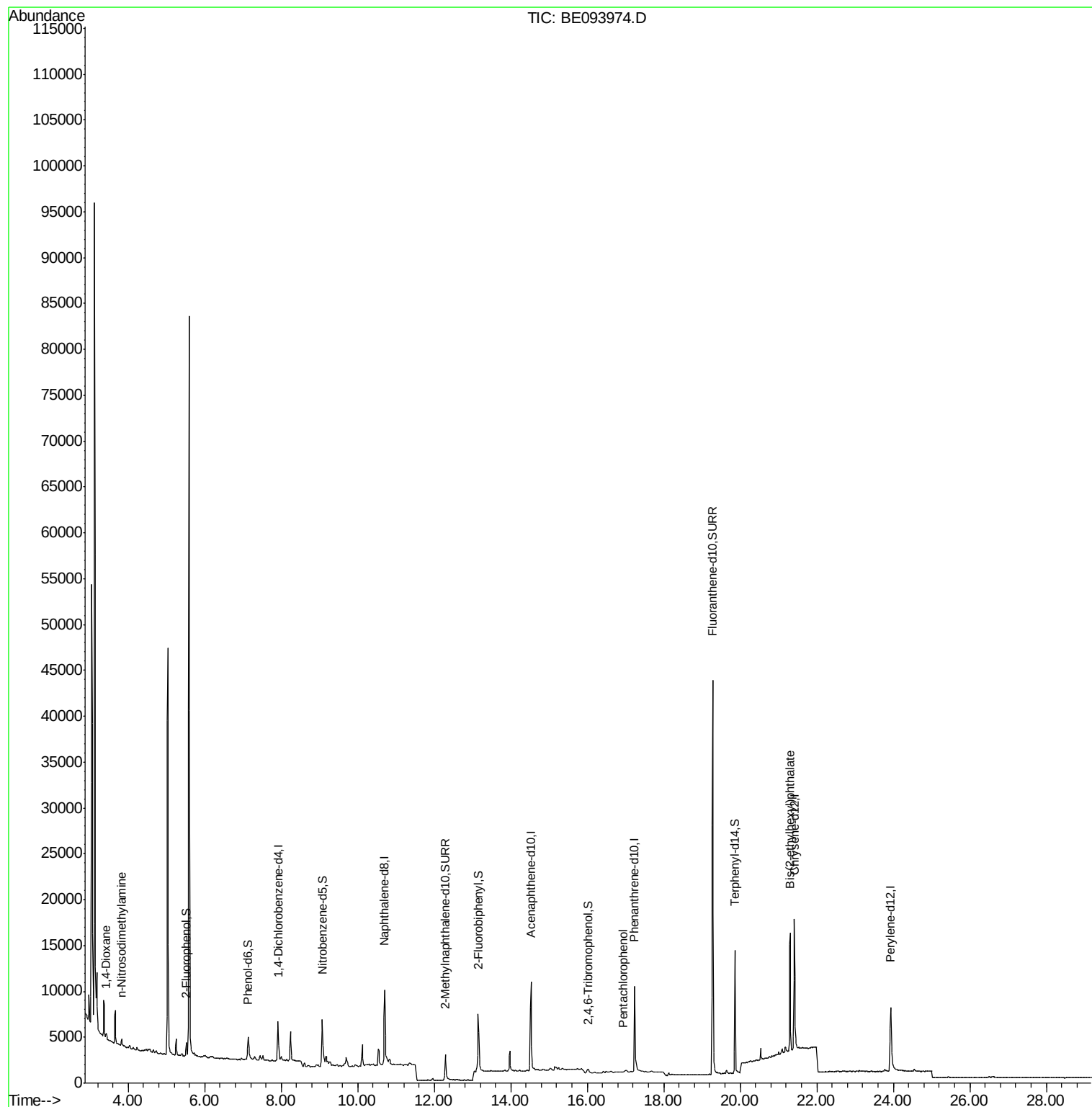
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2343	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11568	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7174	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	17013	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	17680	0.40	ng	-0.01
34) Perylene-d12	23.93	264	14295	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	936	0.12	ng	-0.01
5) Phenol-d6	7.12	99	769	0.07	ng	0.00
8) Nitrobenzene-d5	9.08	82	2988	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5413	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	553	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7954	0.28	ng	-0.01
25) Fluoranthene-d10	19.27	212	62757	0.25	ng	0.00
29) Terphenyl-d14	19.86	244	12666	0.39	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.43	88	388	0.120	ng	# 1
3) n-Nitrosodimethylamine	3.82	42	96	0.025	ng	# 17
20) 4-Bromophenyl-phenylether	16.23	248	12	Below Cal		# 1
22) Pentachlorophenol	16.94	266	96	0.036	ng	# 70
23) Phenanthrene	17.37	178	786	Below Cal		# 63
32) Bis(2-ethylhexyl)phthalate	21.30	149	18046	0.137	ng	100

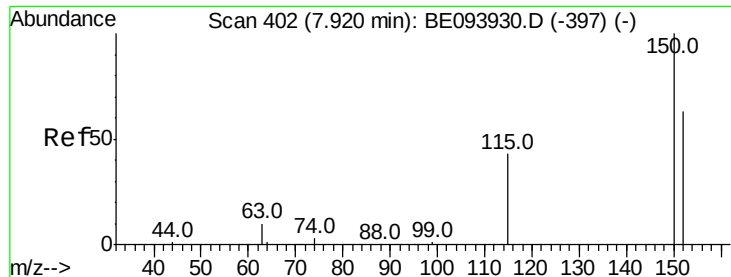
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

BNA_E

ClientSampleId :

KY038PS027-170906

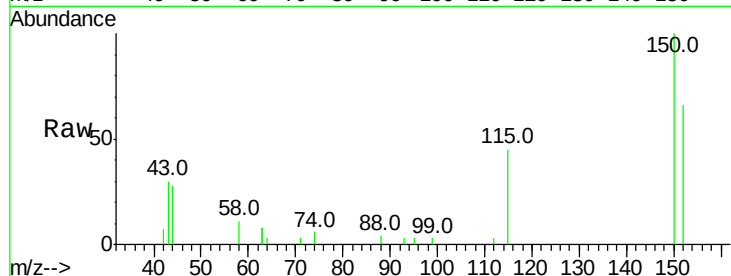
Tot Ion:152 Resp: 2343

Ion Ratio Lower Upper

152 100

150 152.1 121.8 182.6

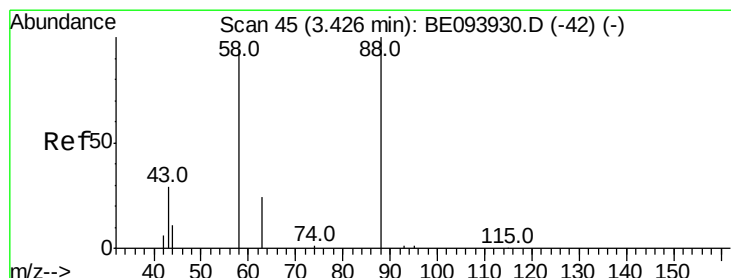
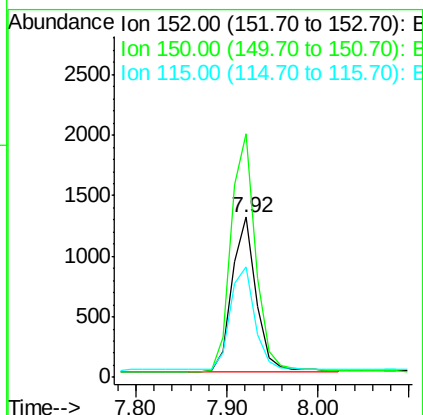
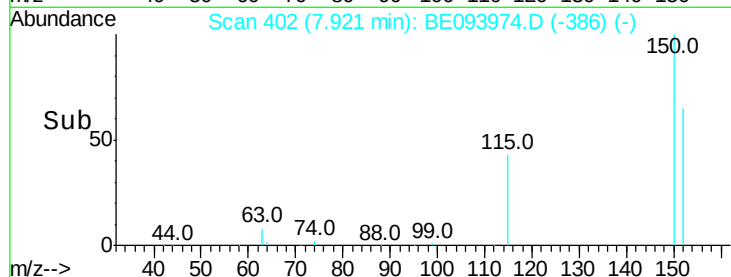
115 68.9 52.6 79.0



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: 0.120 ng

RT: 3.43 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

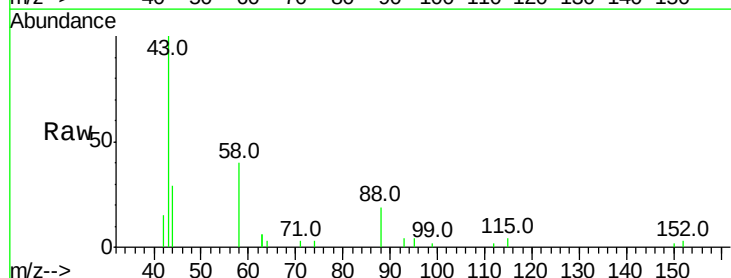
Tgt Ion: 88 Resp: 388

Ion Ratio Lower Upper

88 100

58 203.4 65.4 98.0#

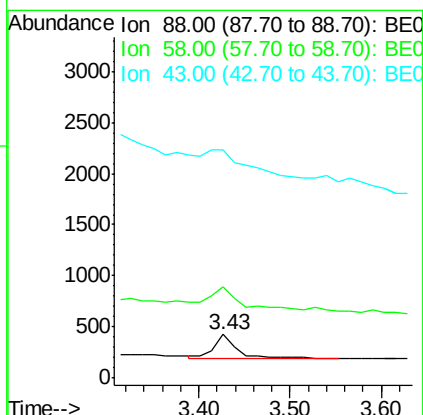
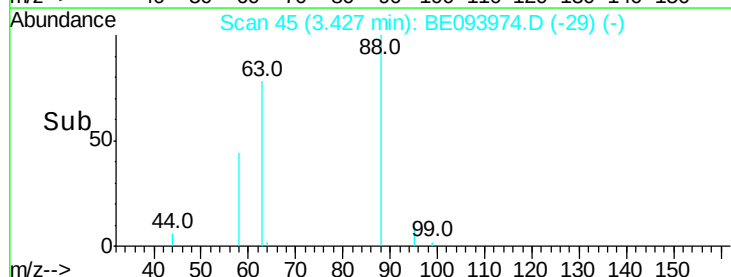
43 0.0 23.9 35.9#

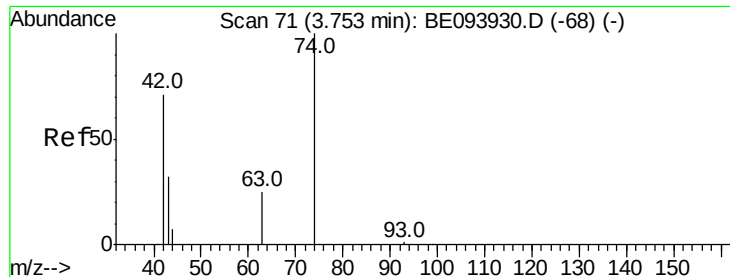


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.025 ng

RT: 3.82 min Scan# 76

Delta R.T. 0.06 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

BNA_E

ClientSampleId :

KY038PS027-170906

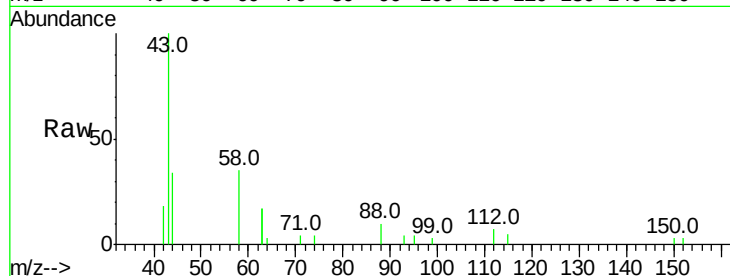
Tot Ion: 42 Resp: 96

Ion Ratio Lower Upper

42 100

74 27.1 104.0 156.0#

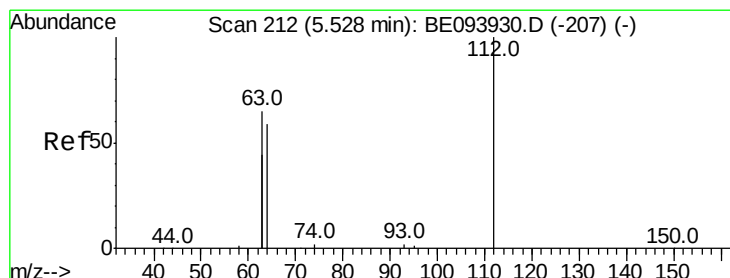
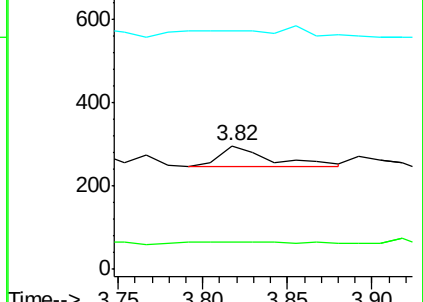
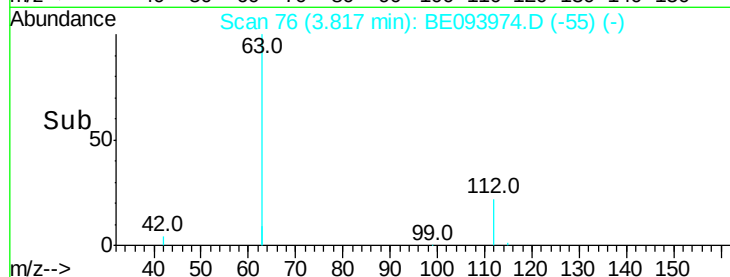
44 0.0 13.8 20.8#



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: 0.123 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

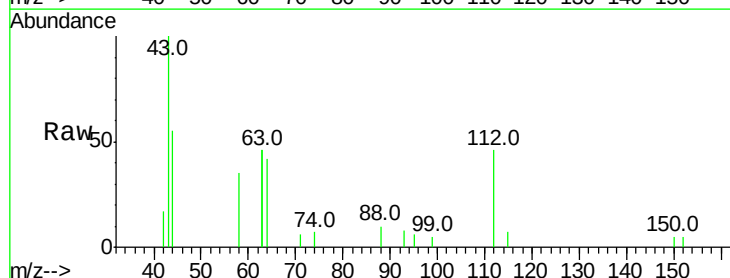
Tgt Ion: 112 Resp: 936

Ion Ratio Lower Upper

112 100

64 67.6 57.7 86.5

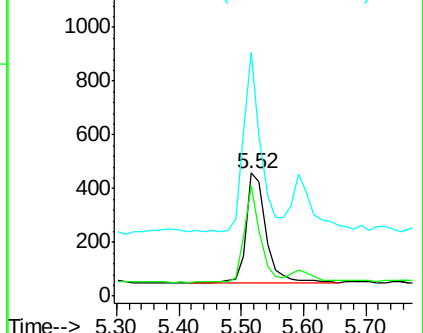
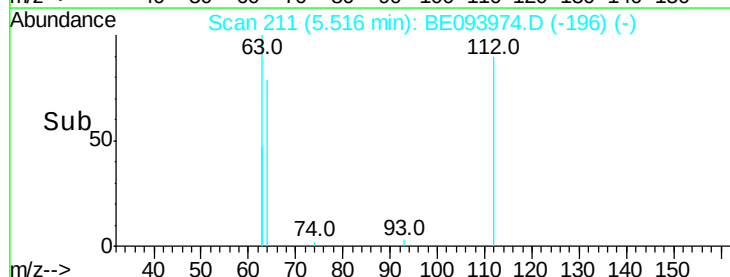
63 132.4 116.0 174.0

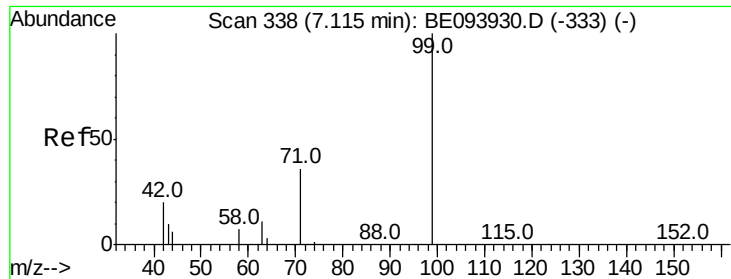


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.068 ng

RT: 7.12 min Scan# 338

Delta R.T. 0.00 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

BNA_E

ClientSampleId :

KY038PS027-170906

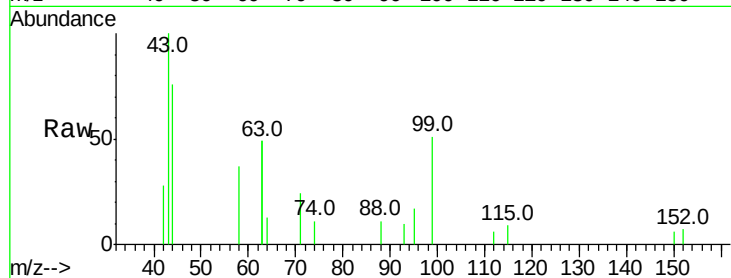
Tot Ion: 99 Resp: 769

Ion Ratio Lower Upper

99 100

42 39.0 17.1 25.7#

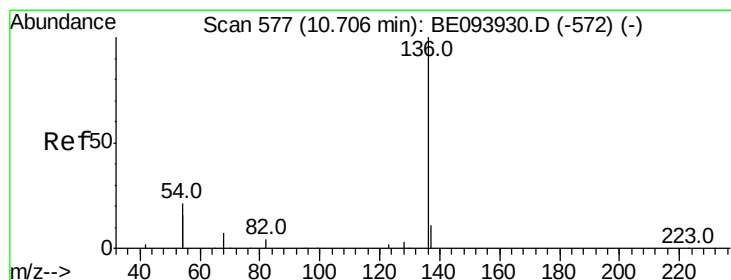
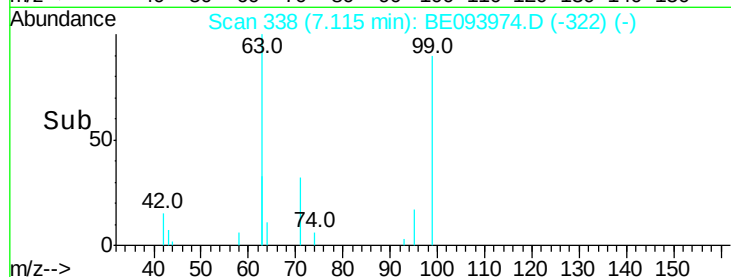
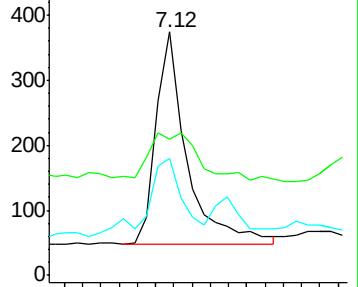
71 42.1 26.6 39.8#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

Tgt Ion: 136 Resp: 11568

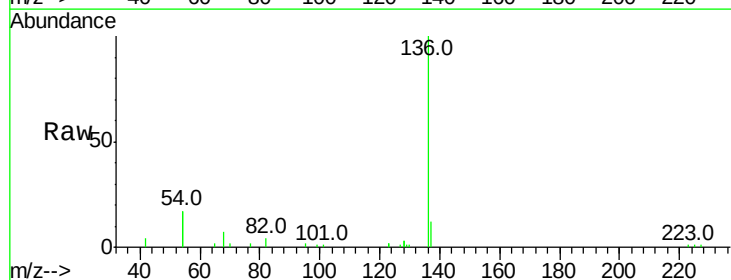
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 34.3 21.9 32.9#

68 7.3 4.6 7.0#

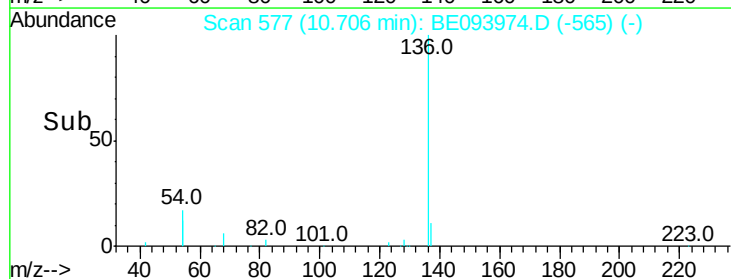
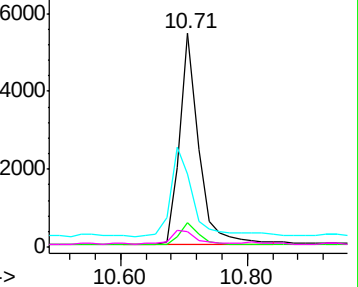


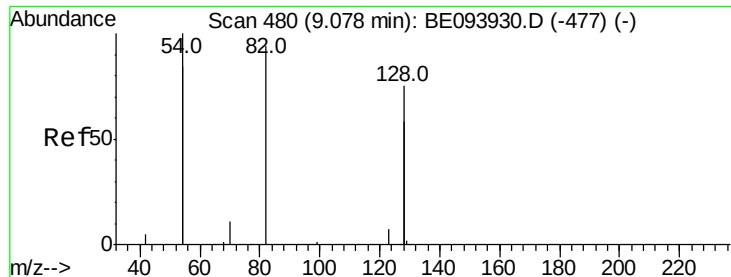
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.305 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

BNA_E

ClientSampleId :

KY038PS027-170906

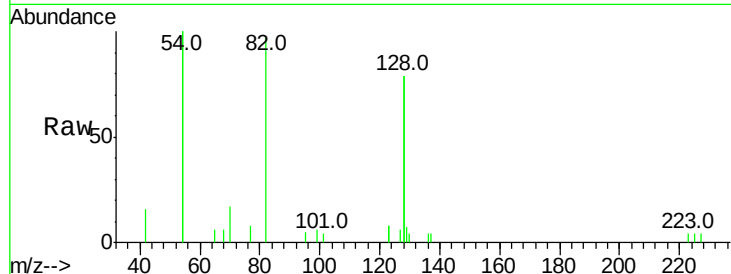
Tot Ion: 82 Resp: 2988

Ion Ratio Lower Upper

82 100

128 161.8 91.4 137.0#

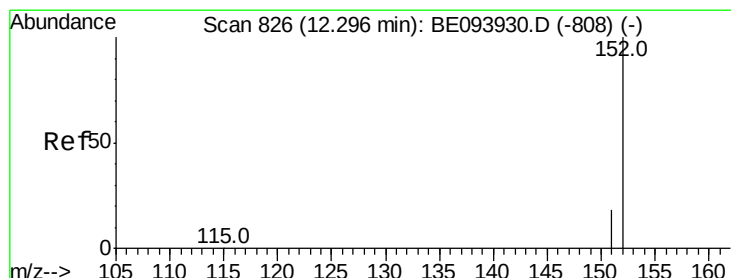
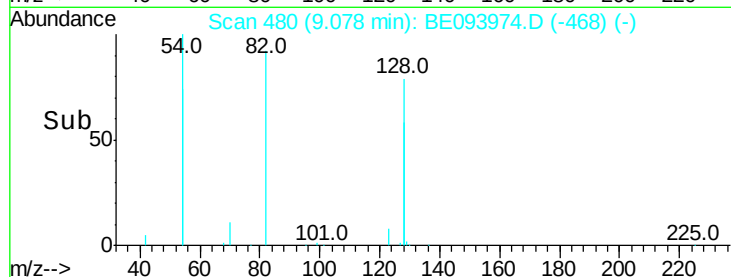
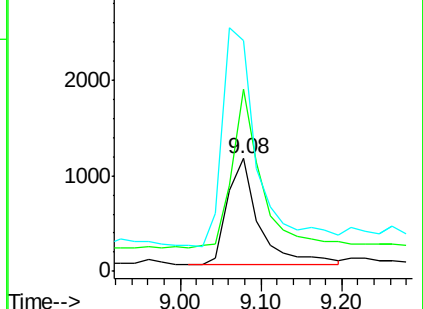
54 205.6 197.8 296.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.292 ng

RT: 12.29 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE093974.D

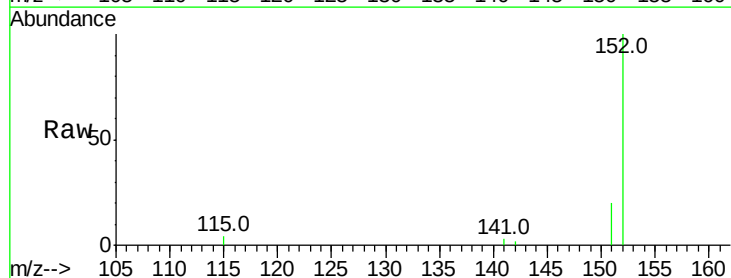
Acq: 11 Sep 2017 22:06

Tgt Ion: 152 Resp: 5413

Ion Ratio Lower Upper

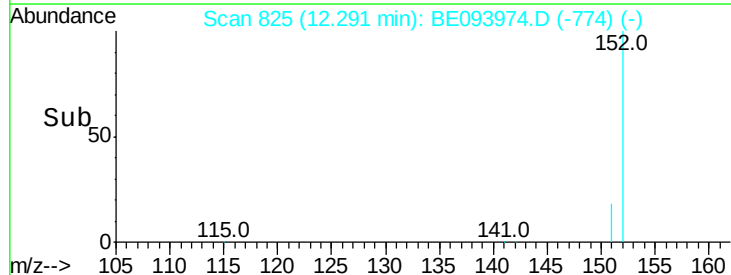
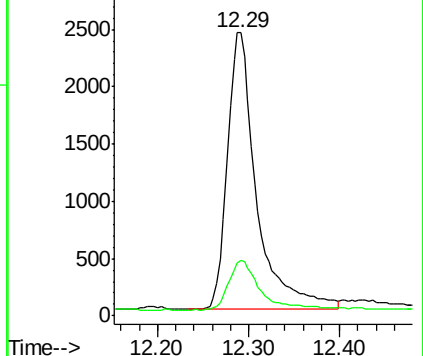
152 100

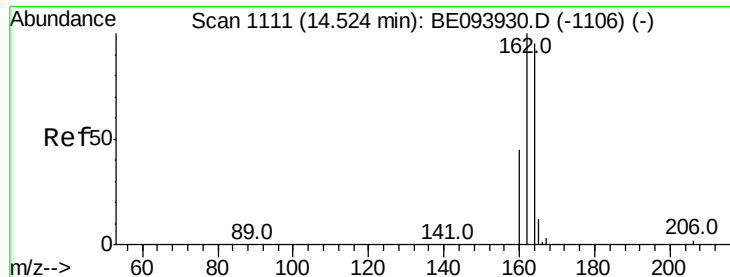
151 18.1 15.4 23.0



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: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

BNA_E

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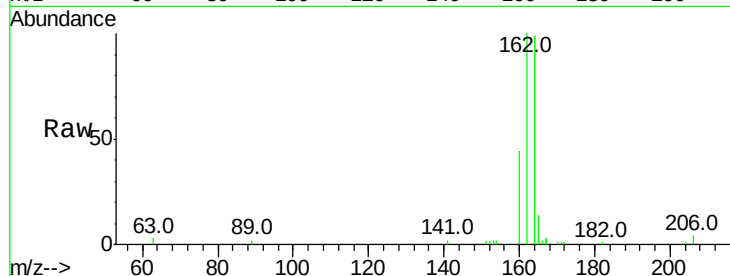
Tot Ion:164 Resp: 7174

Ion Ratio Lower Upper

164 100

162 101.4 80.8 121.2

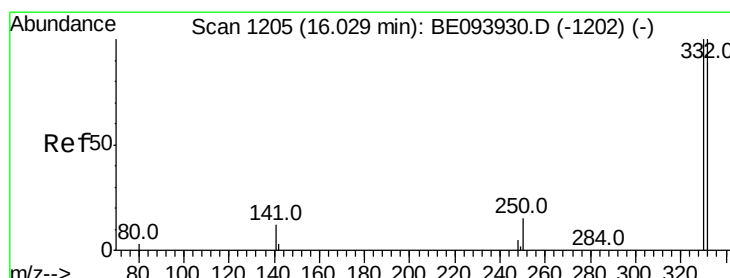
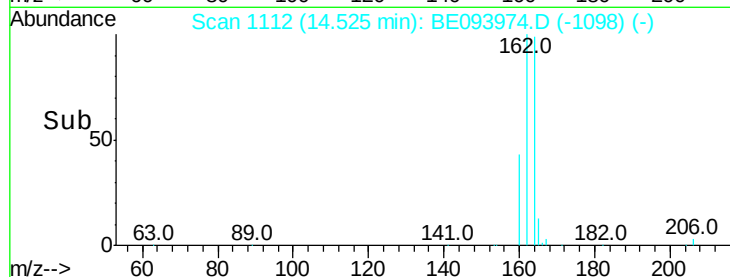
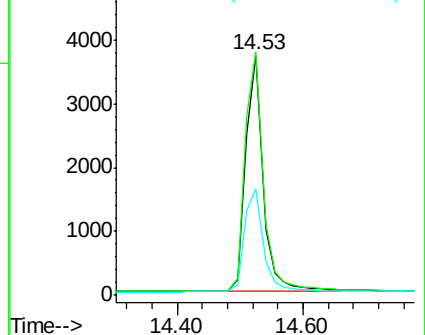
160 44.6 37.0 55.4



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



#14

2,4,6-Tribromophenol

Concen: 0.249 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

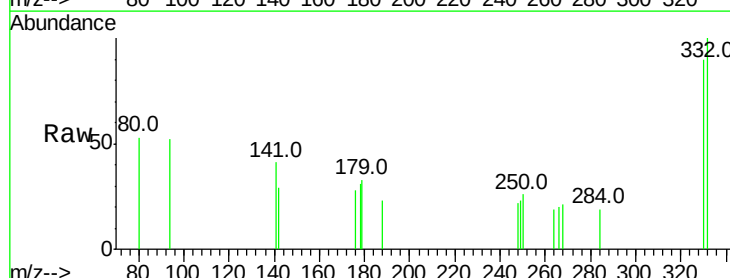
Tgt Ion:330 Resp: 553

Ion Ratio Lower Upper

330 100

332 99.5 76.9 115.3

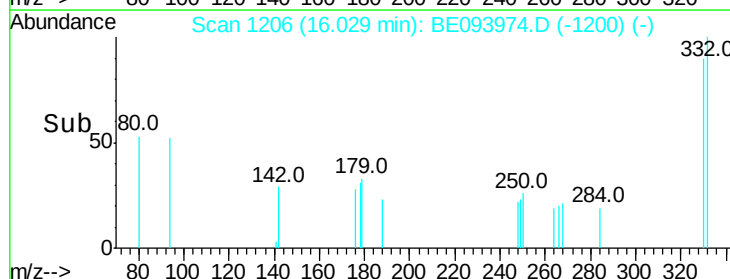
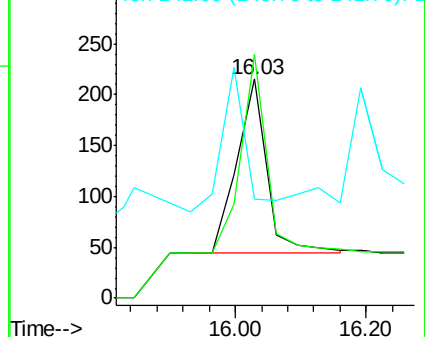
141 0.0 0.0 0.0

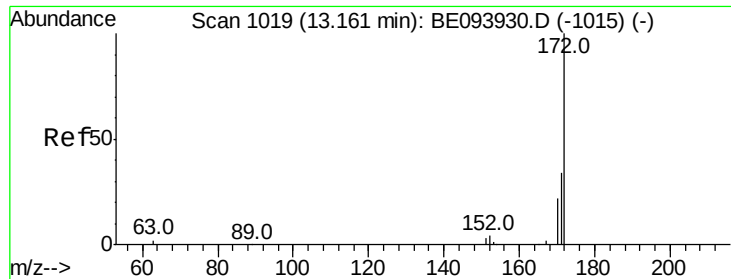


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.280 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

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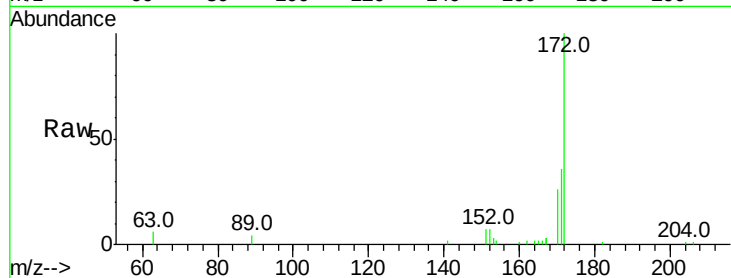
Tot Ion:172 Resp: 7954

Ion Ratio Lower Upper

172 100

171 36.1 26.9 40.3

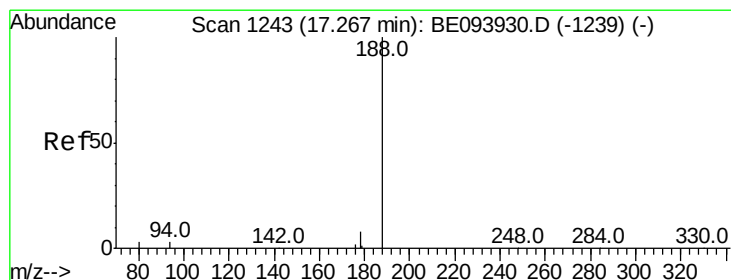
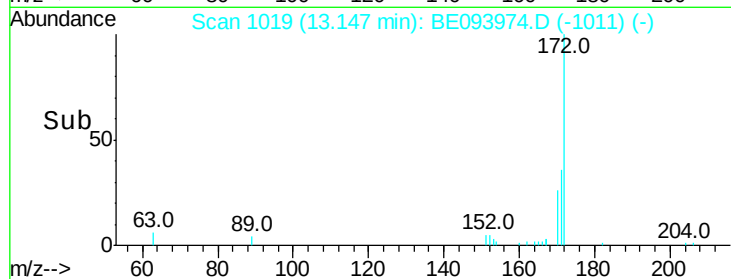
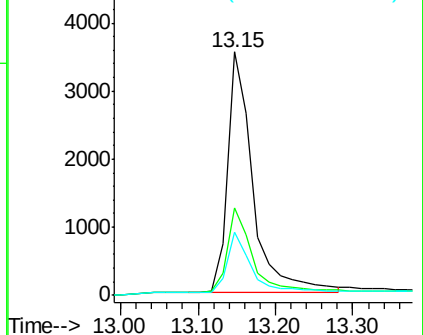
170 25.7 17.3 25.9



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: BE093974.D

Acq: 11 Sep 2017 22:06

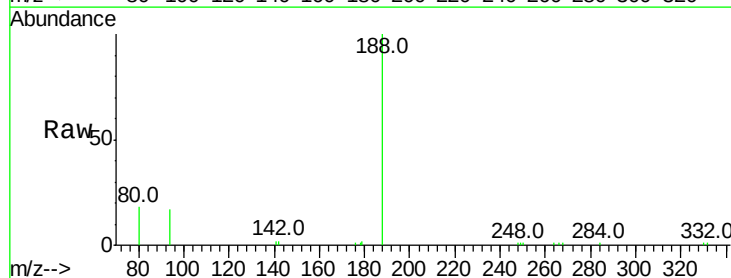
Tgt Ion:188 Resp: 17013

Ion Ratio Lower Upper

188 100

94 17.0 16.1 24.1

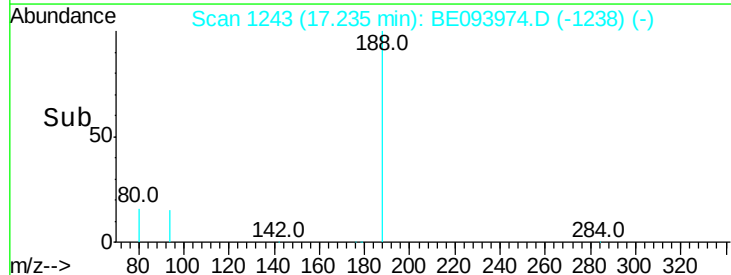
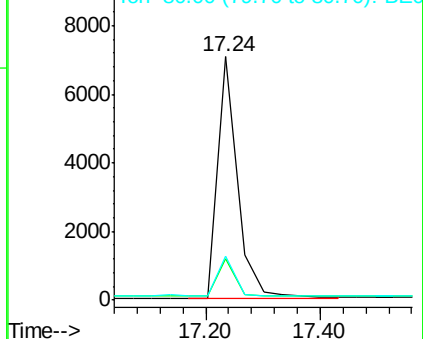
80 17.9 18.2 27.2#

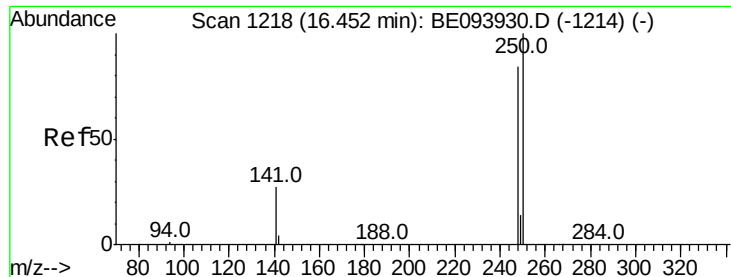


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

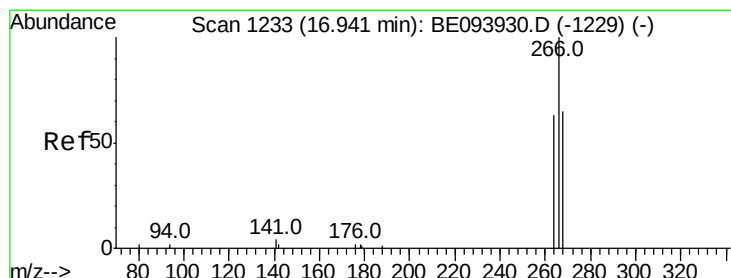
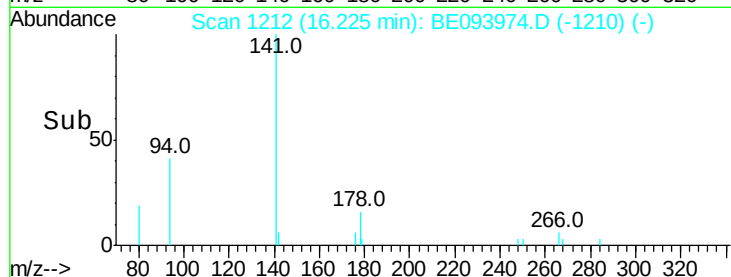
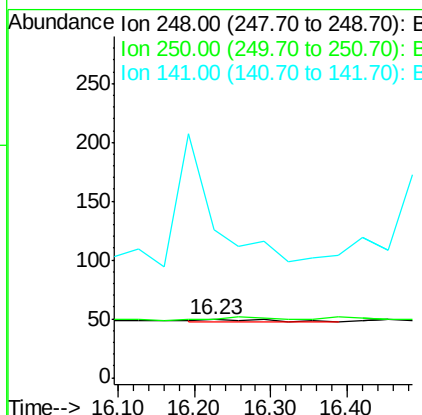
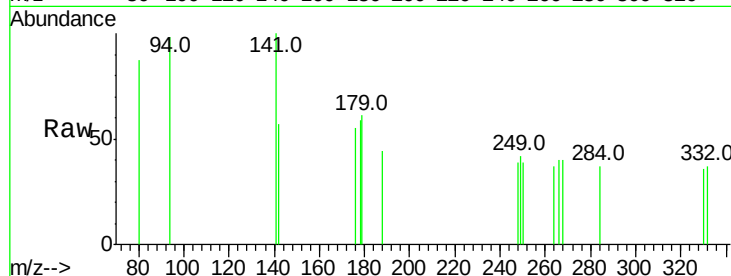




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.23 min Scan# 1212
Delta R.T. -0.23 min
Lab File: BE093974.D
Acq: 11 Sep 2017 22:06

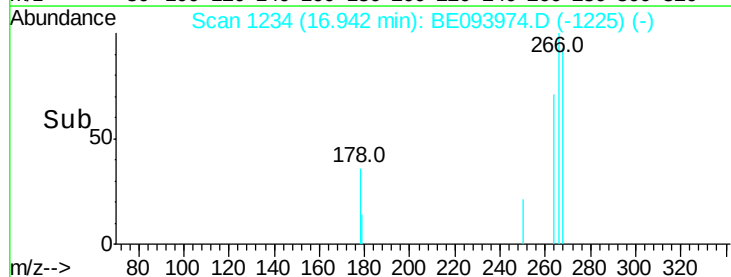
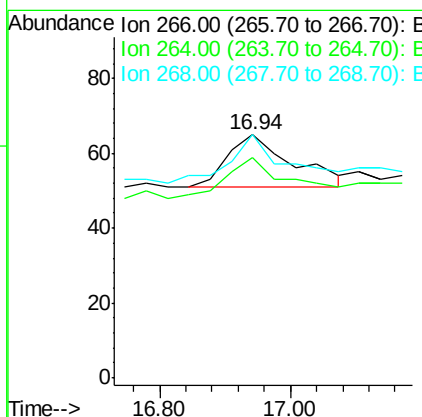
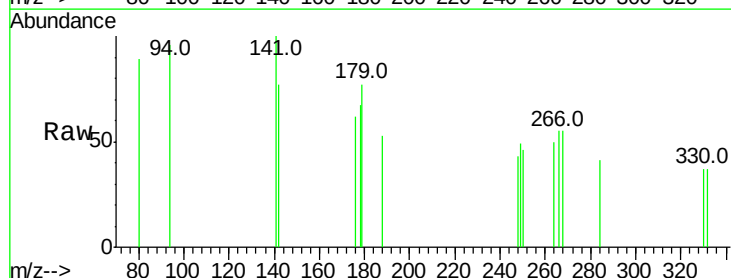
Instrument :
BNA_E
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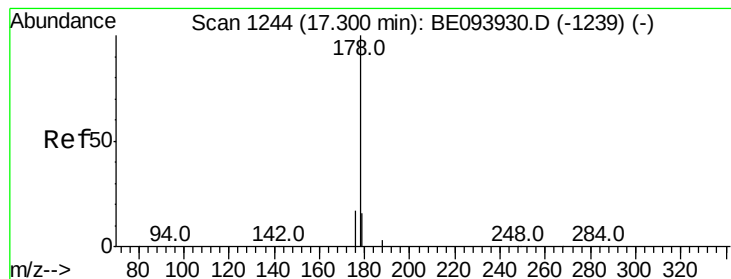
Tot Ion:248 Resp: 12
Ion Ratio Lower Upper
248 100
250 100.0 111.8 167.8#
141 257.1 27.1 40.7#



#22
Pentachlorophenol
Concen: 0.036 ng
RT: 16.94 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE093974.D
Acq: 11 Sep 2017 22:06

Tgt Ion:266 Resp: 96
Ion Ratio Lower Upper
266 100
264 90.8 53.5 80.3#
268 100.0 60.0 90.0#





#23

Phenanthrene

Concen: Below Cal

RT: 17.37 min Scan# 1247

Delta R.T. 0.07 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

BNA_E

ClientSampleId :

KY038PS027-170906

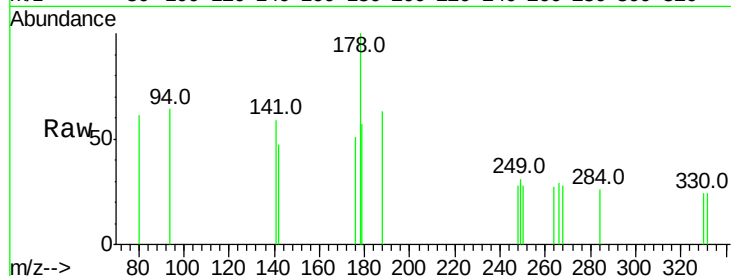
Tot Ion:178 Resp: 786

Ion Ratio Lower Upper

178 100

176 10.2 0.0 0.0#

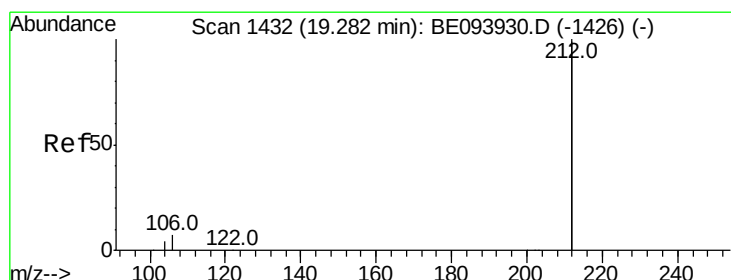
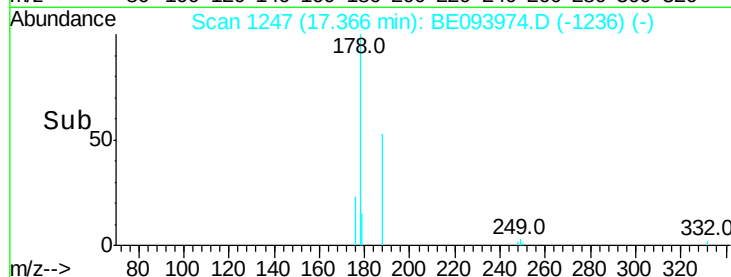
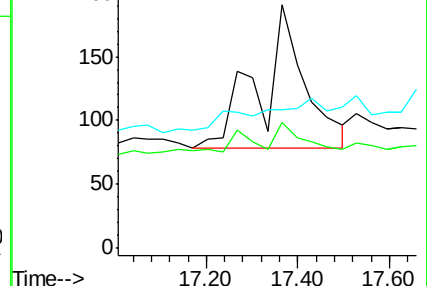
179 0.0 12.6 18.8#



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



#25

Fluoranthene-d10

Concen: 0.248 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

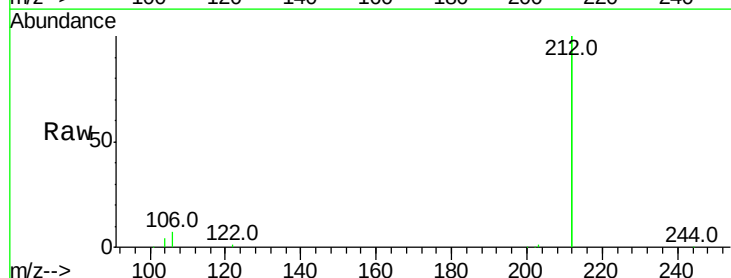
Tgt Ion:212 Resp: 62757

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

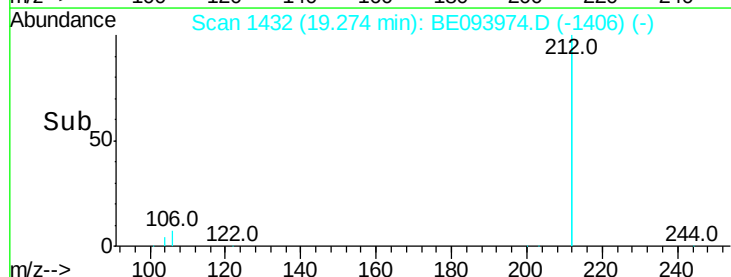
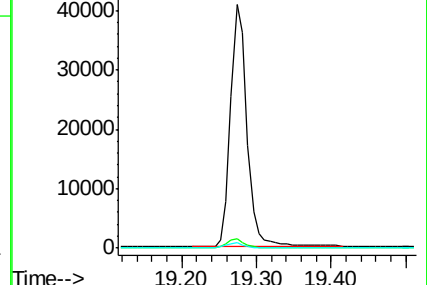
104 2.0 1.6 2.4

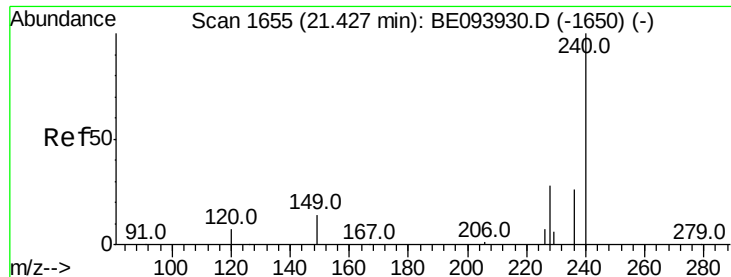


Abundance Ion 212.00 (211.70 to 212.70): E

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: BE093974.D

Acq: 11 Sep 2017 22:06

Instrument :

BNA_E

ClientSampleId :

KY038PS027-170906

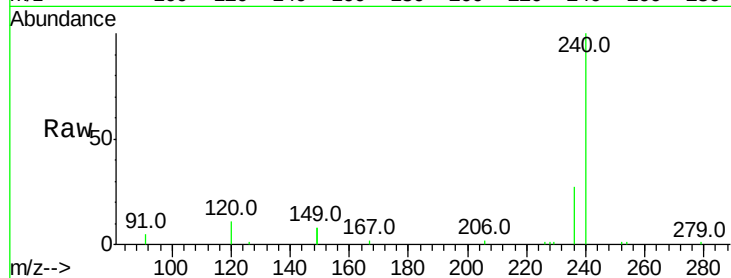
Tot Ion:240 Resp: 17680

Ion Ratio Lower Upper

240 100

120 10.7 8.7 13.1

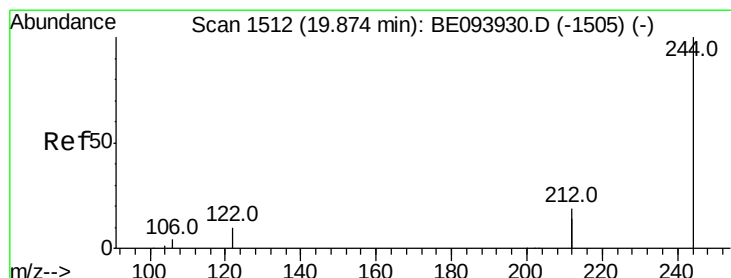
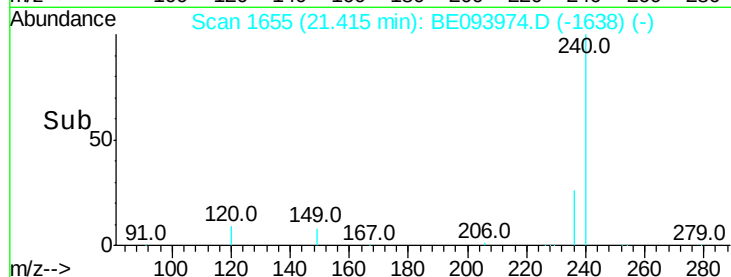
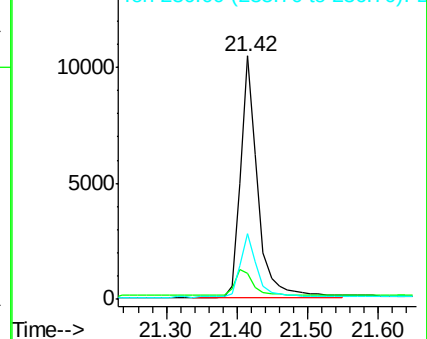
236 26.7 21.3 31.9



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: 0.389 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.02 min

Lab File: BE093974.D

Acq: 11 Sep 2017 22:06

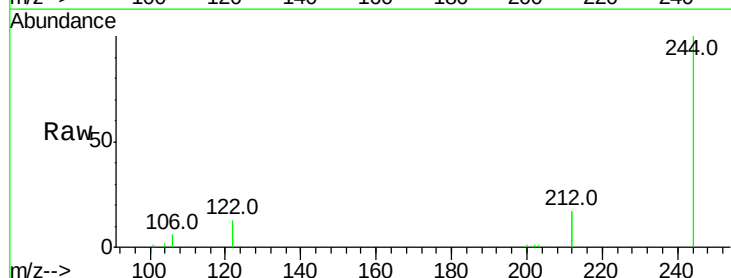
Tgt Ion:244 Resp: 12666

Ion Ratio Lower Upper

244 100

212 34.9 28.3 42.5

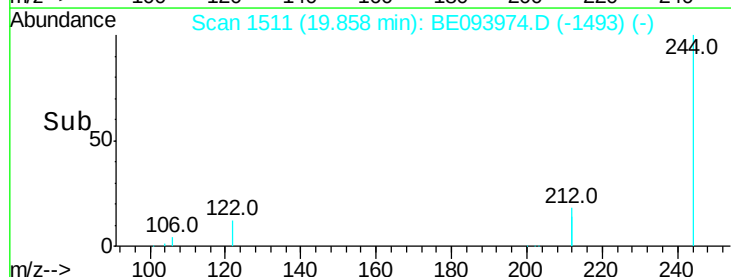
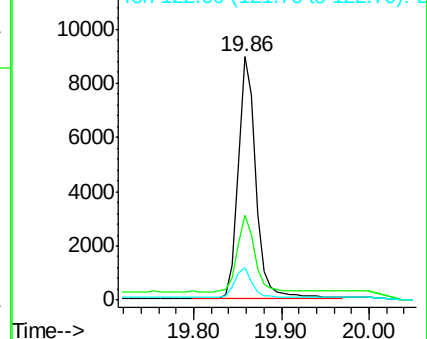
122 13.3 9.4 14.0

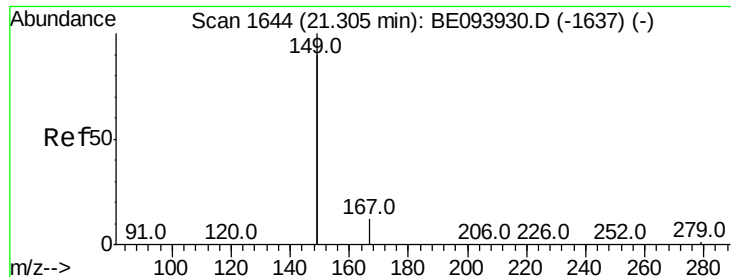


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

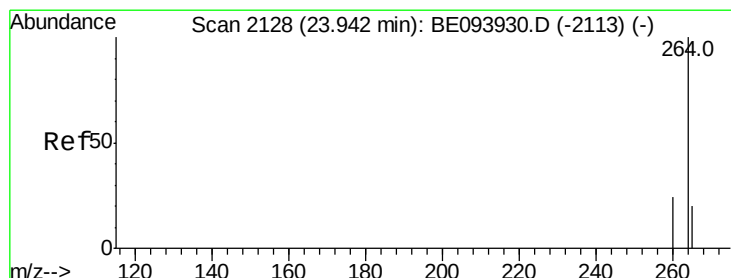
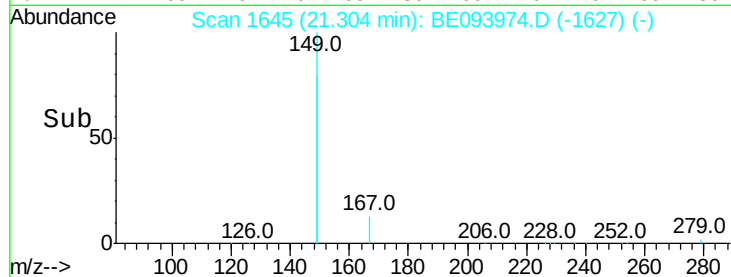
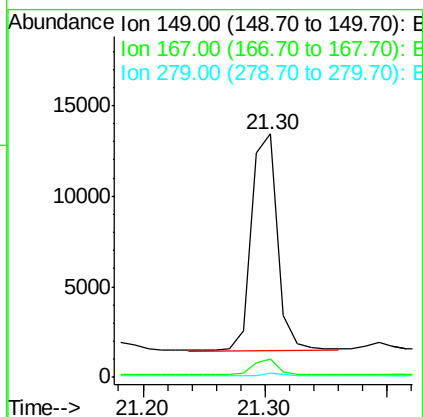
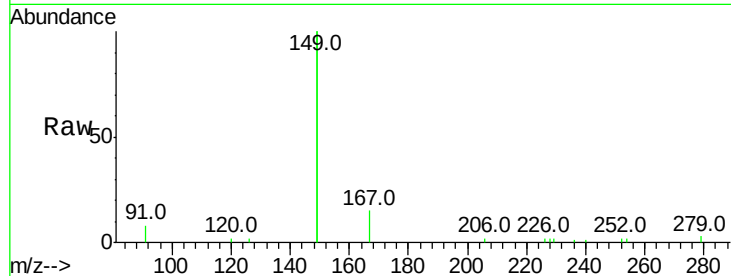




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.137 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE093974.D
 Acq: 11 Sep 2017 22:06

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-170906

Tot Ion:149 Resp: 18046
 Ion Ratio Lower Upper
 149 100
 167 6.6 5.4 8.0
 279 0.9 0.7 1.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BE093974.D
 Acq: 11 Sep 2017 22:06

Tgt Ion:264 Resp: 14295
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.0 30.0
 265 30.9 24.0 36.0

