

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072117\
 Data File : BE093526.D
 Acq On : 22 Jul 2017 2:06
 Operator : SJ/JU
 Sample : I4199-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3575-DB

Quant Time: Jul 22 03:33:07 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE072117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 21 16:13:20 2017
 Response via : Initial Calibration

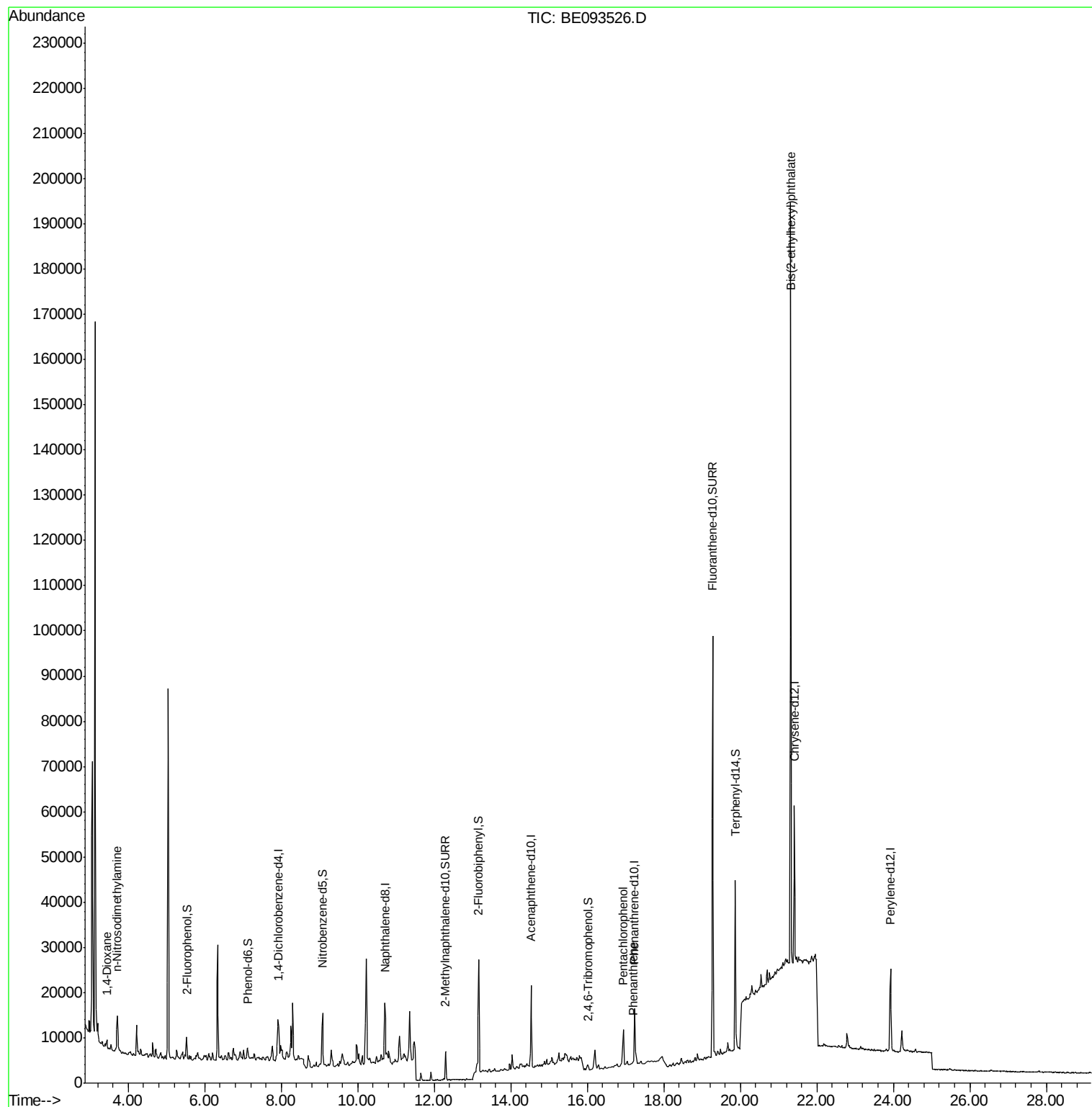
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	3240	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	16607	0.40	ng	0.02
13) Acenaphthene-d10	14.52	164	10854	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	20207	0.40	ng	0.00
27) Chrysene-d12	21.41	240	33611	0.40	ng	0.00
34) Perylene-d12	23.92	264	26978	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2717	0.24	ng	0.02
5) Phenol-d6	7.11	99	2837	0.18	ng	0.02
8) Nitrobenzene-d5	9.08	82	5233	0.40	ng	0.02
11) 2-Methylnaphthalene-d10	12.29	152	8607	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1275	0.32	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	22165	0.52	ng	0.00
25) Fluoranthene-d10	19.28	212	126208	0.39	ng	0.00
29) Terphenyl-d14	19.87	244	31569	0.52	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.44	88	318	0.059	ng	# 1
3) n-Nitrosodimethylamine	3.72	42	1559	0.293	ng	# 1
22) Pentachlorophenol	16.94	266	11777	2.161	ng	# 23
23) Phenanthrene	17.20	178	964	0.021	ng	# 58
32) Bis(2-ethylhexyl)phthalate	21.31	149	178315	0.820	ng	98

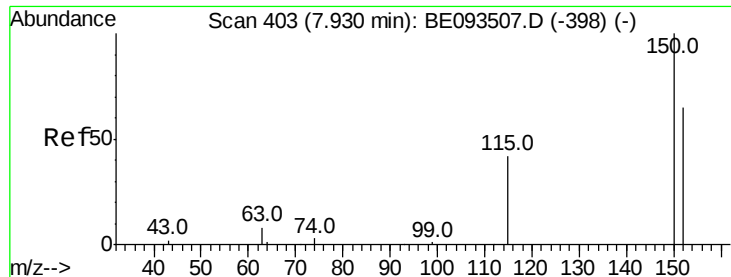
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.93 min Scan# 403

Delta R.T. 0.00 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

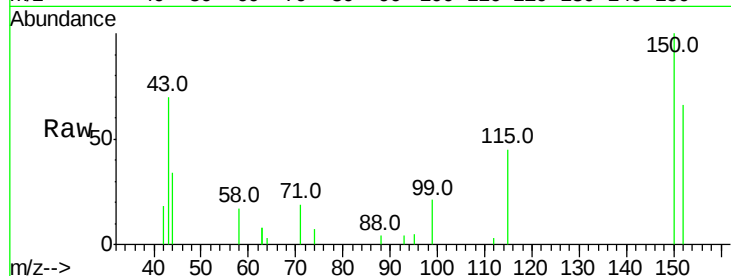
Tot Ion:152 Resp: 3240

Ion Ratio Lower Upper

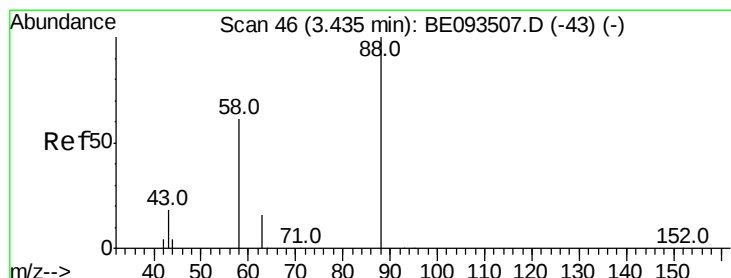
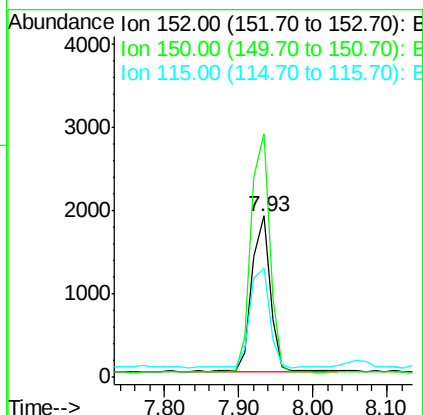
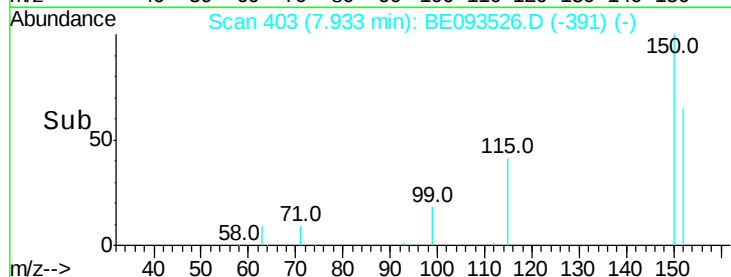
152 100

150 150.6 125.1 187.7

115 67.6 55.7 83.5



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: 0.059 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.00 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

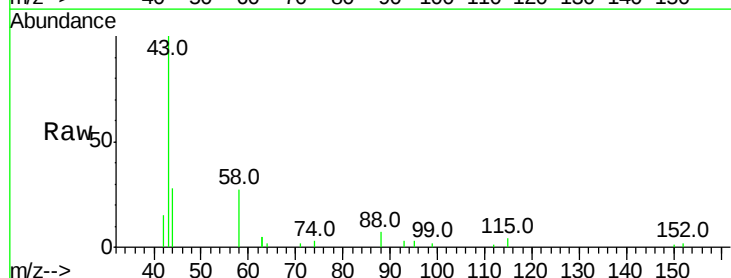
Tgt Ion: 88 Resp: 318

Ion Ratio Lower Upper

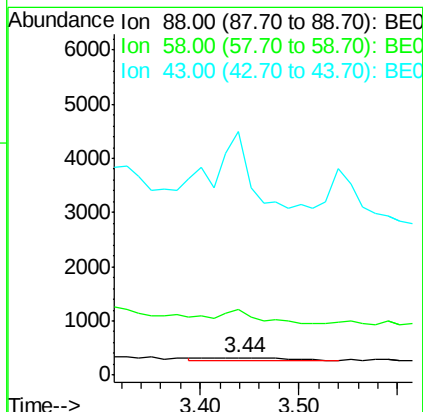
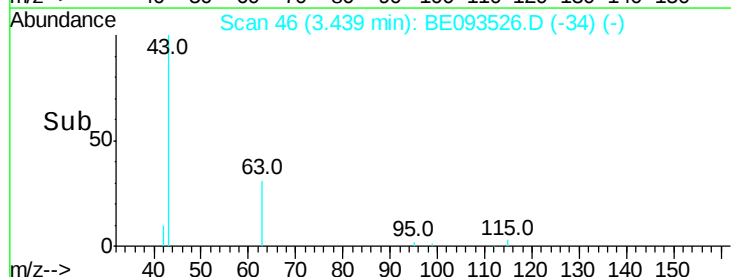
88 100

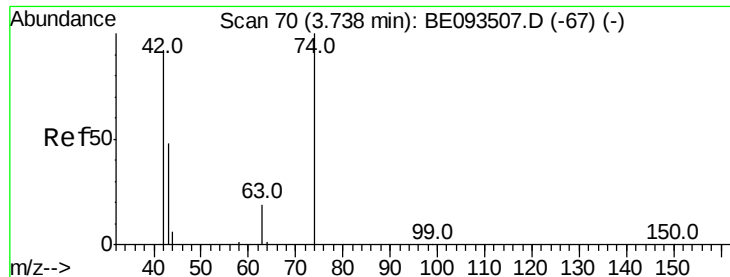
58 193.1 62.2 93.4#

43 1110.7 23.2 34.8#



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: 0.293 ng

RT: 3.72 min Scan# 68

Delta R.T. -0.02 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

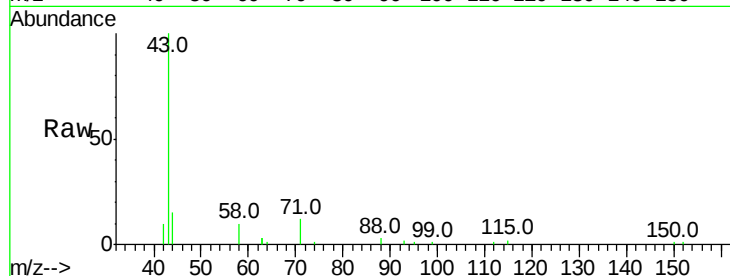
Tot Ion: 42 Resp: 1559

Ion Ratio Lower Upper

42 100

74 3.5 99.1 148.7#

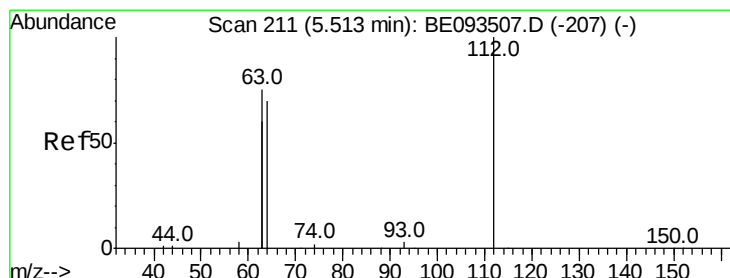
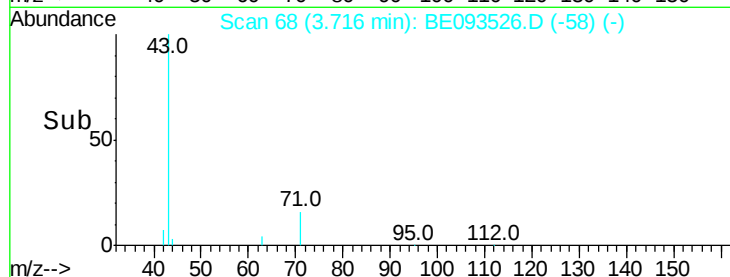
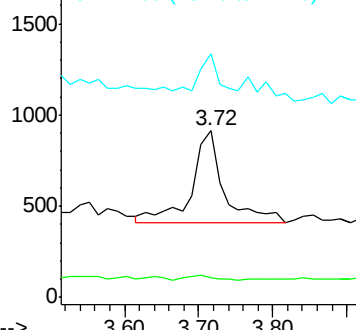
44 23.5 7.4 11.2#



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: 0.242 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.02 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

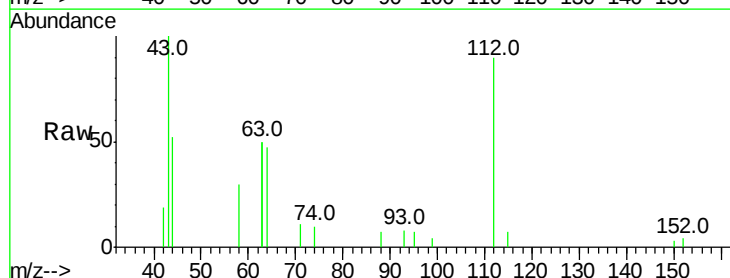
Tgt Ion: 112 Resp: 2717

Ion Ratio Lower Upper

112 100

64 66.9 56.4 84.6

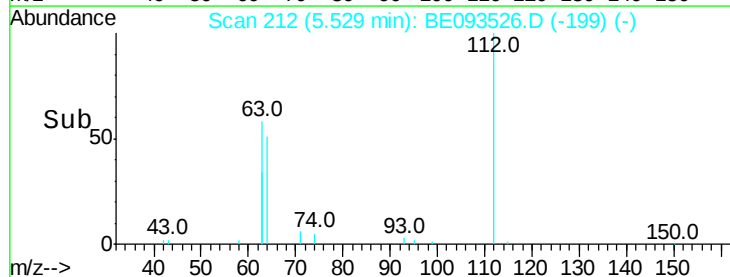
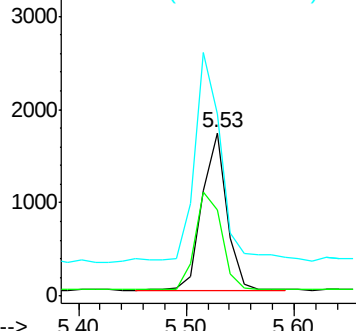
63 142.0 29.3 43.9#

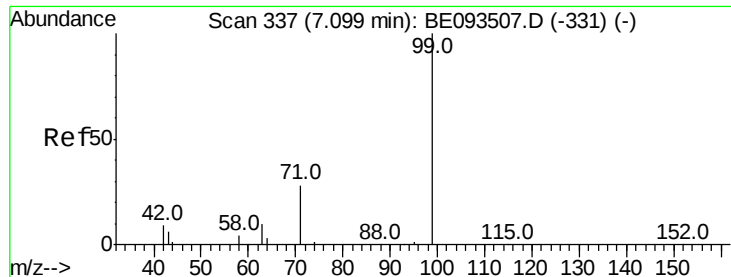


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.180 ng

RT: 7.11 min Scan# 338

Delta R.T. 0.02 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

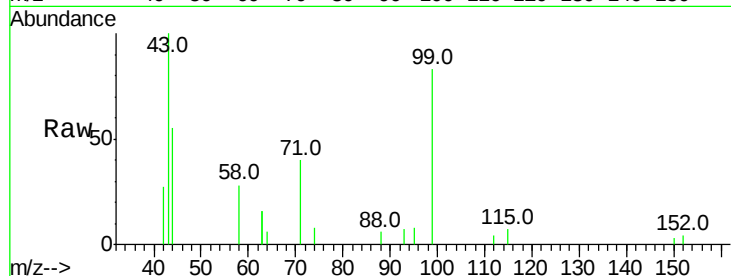
Tot Ion: 99 Resp: 2837

Ion Ratio Lower Upper

99 100

42 16.4 0.0 0.0#

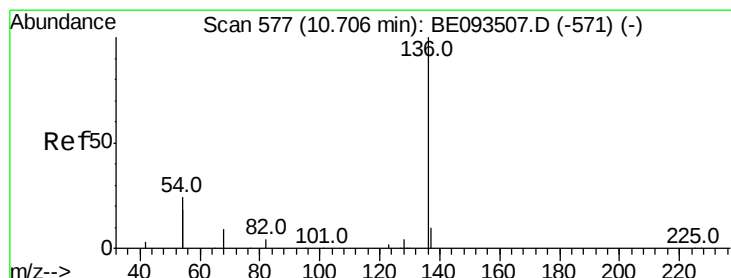
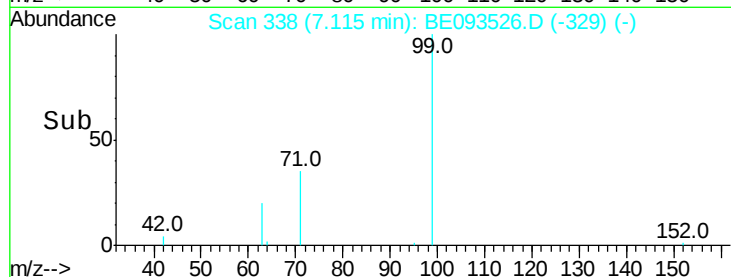
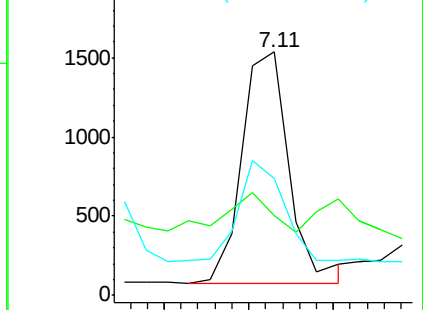
71 43.0 0.0 0.0#



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: 10.72 min Scan# 578

Delta R.T. 0.02 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Tgt Ion: 136 Resp: 16607

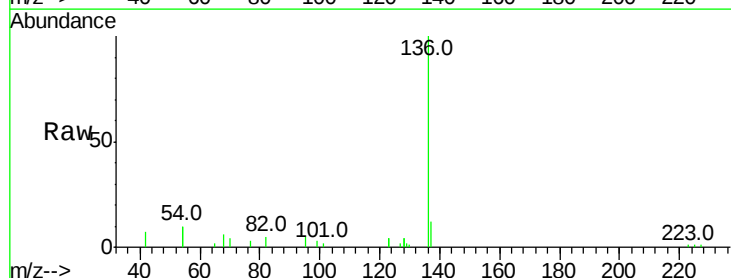
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.8

54 19.6 10.3 15.5#

68 5.5 9.0 13.4#

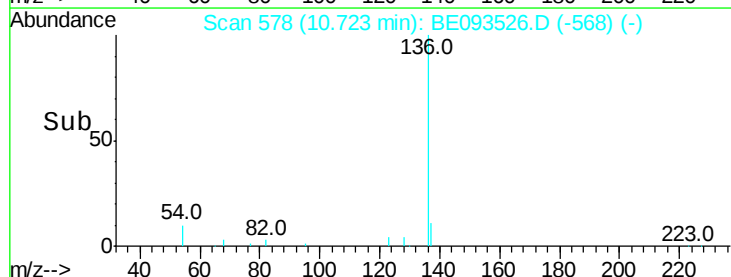
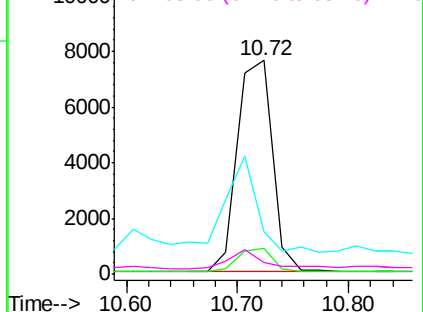


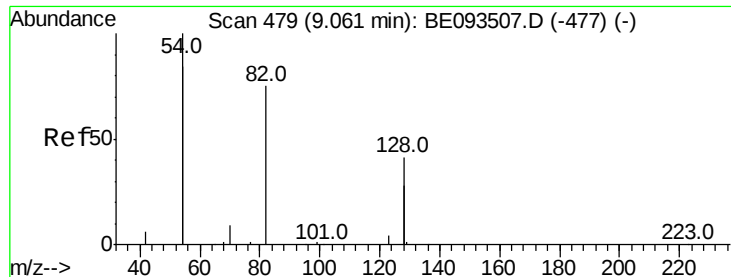
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.397 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.02 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

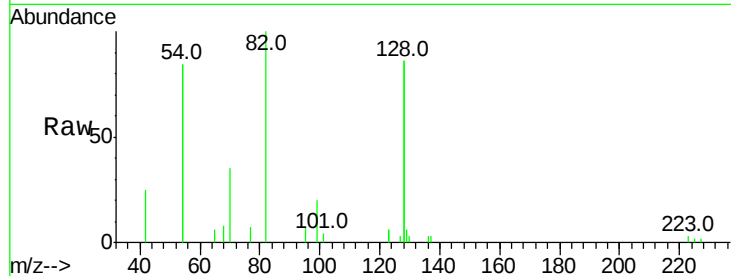
Tot Ion: 82 Resp: 5233

Ion Ratio Lower Upper

82 100

128 171.7 17.0 25.4#

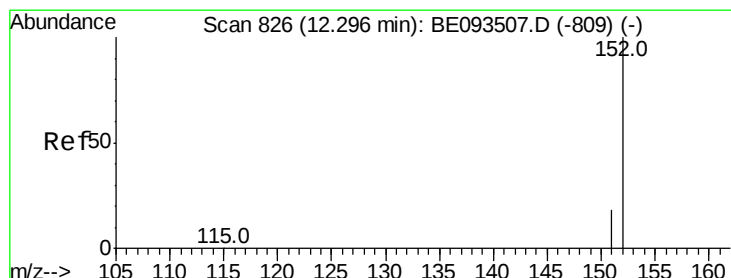
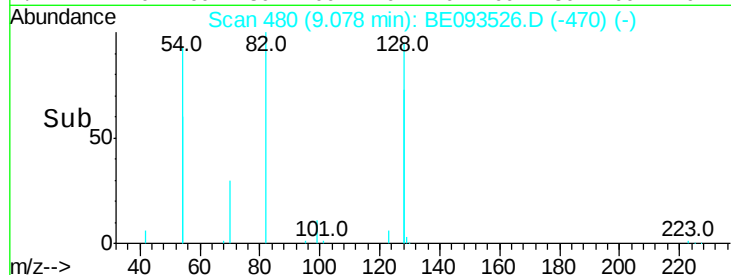
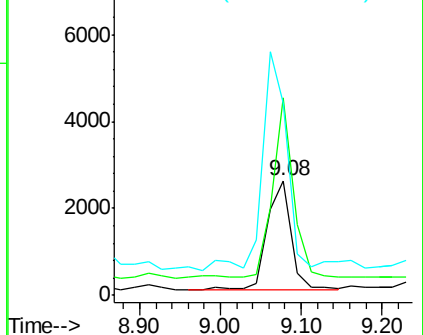
54 167.9 53.8 80.6#



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: 0.321 ng

RT: 12.29 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE093526.D

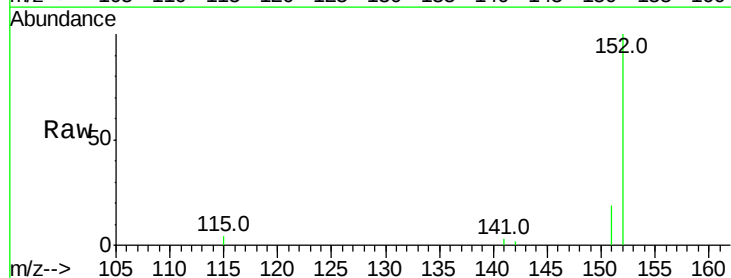
Acq: 22 Jul 2017 2:06

Tgt Ion: 152 Resp: 8607

Ion Ratio Lower Upper

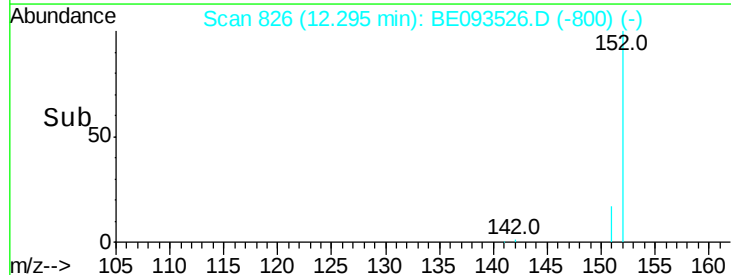
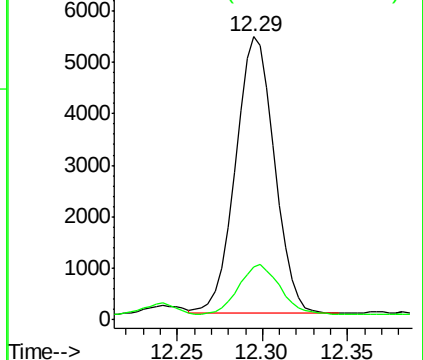
152 100

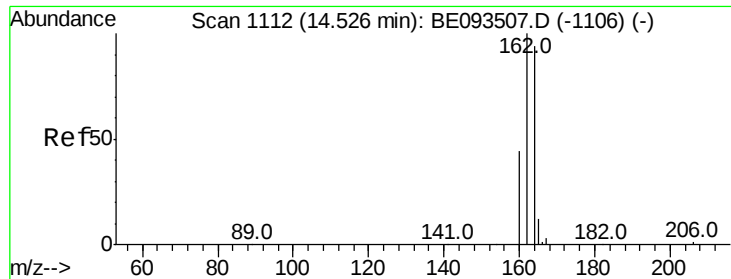
151 19.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

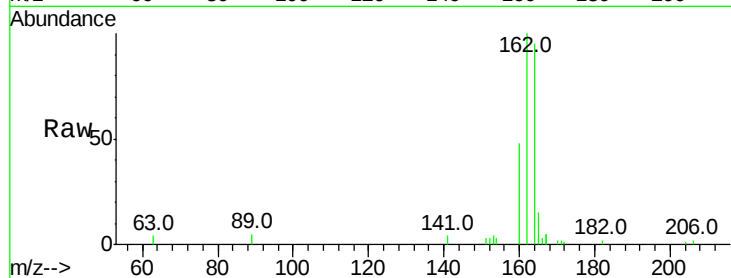
Tot Ion:164 Resp: 10854

Ion Ratio Lower Upper

164 100

162 105.5 84.6 127.0

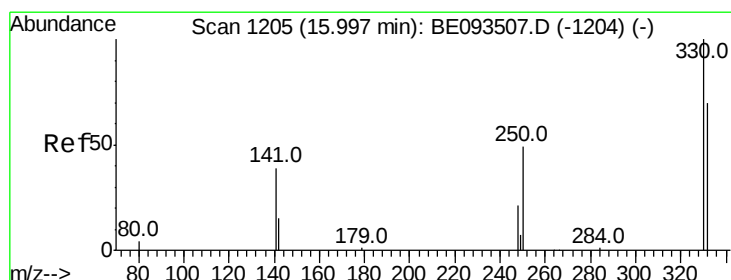
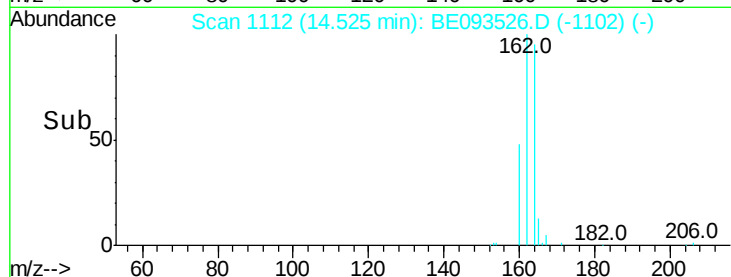
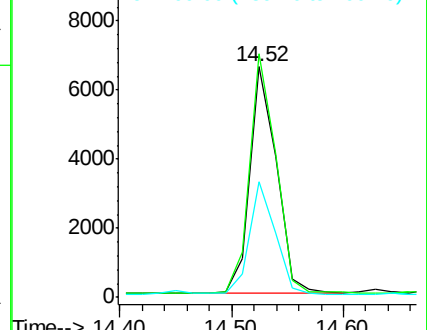
160 50.3 41.8 62.6



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: 0.323 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.03 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

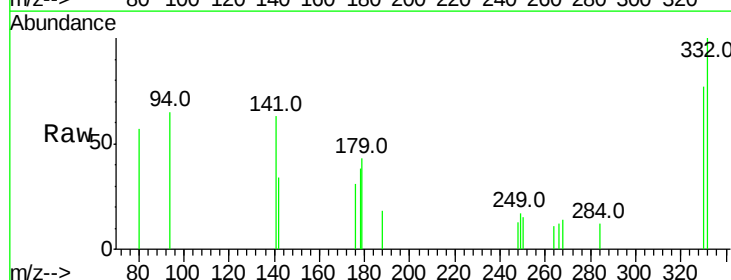
Tgt Ion:330 Resp: 1275

Ion Ratio Lower Upper

330 100

332 110.1 77.7 116.5

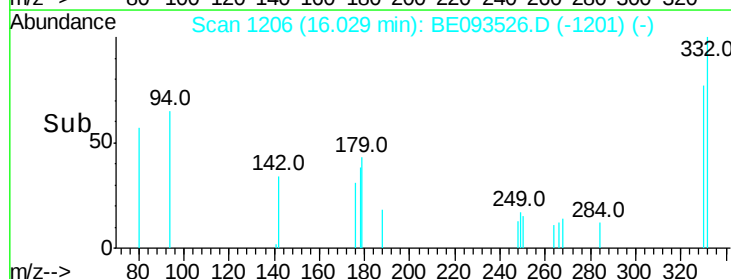
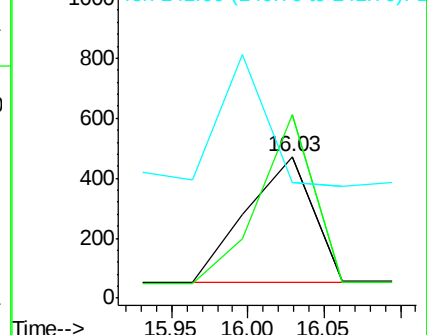
141 0.0 56.2 84.4#

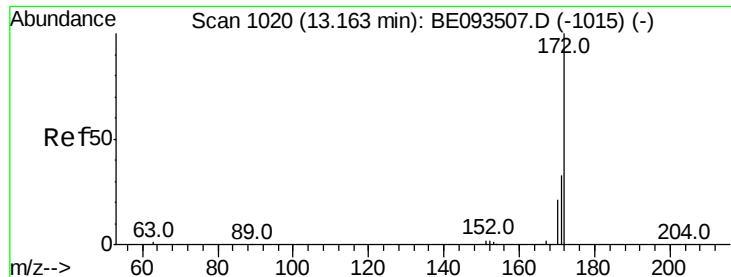


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

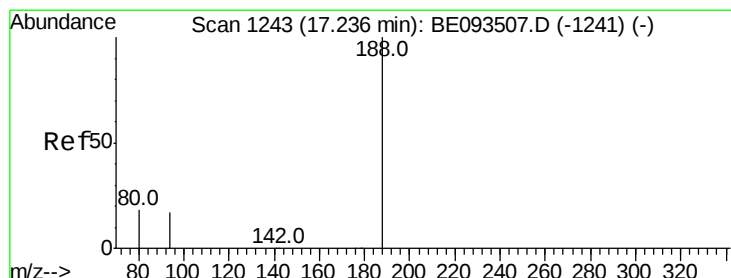
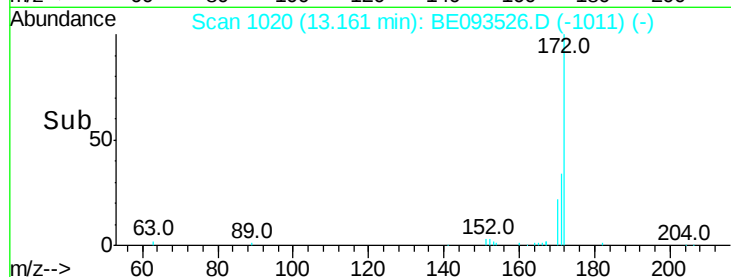
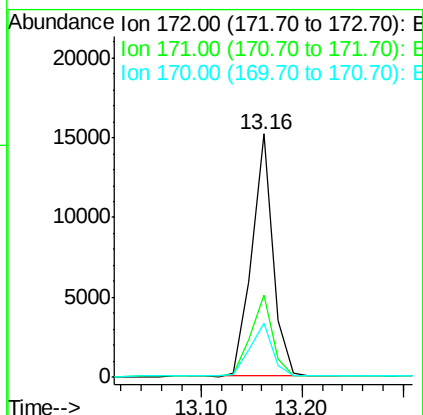
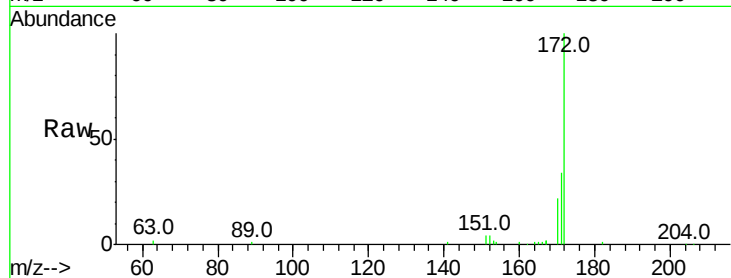




#15
2-Fluorobiphenyl
Concen: 0.519 ng
RT: 13.16 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE093526.D
Acq: 22 Jul 2017 2:06

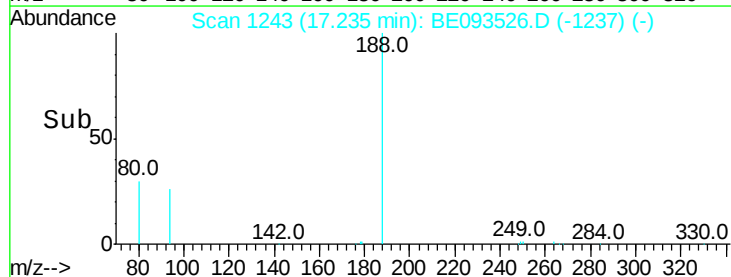
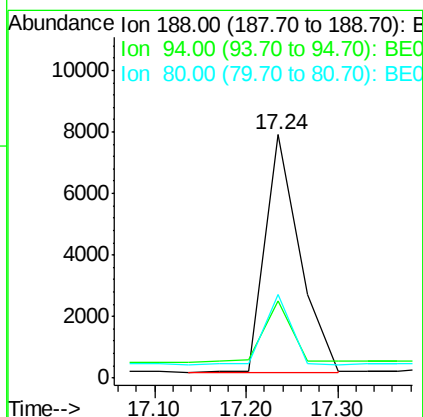
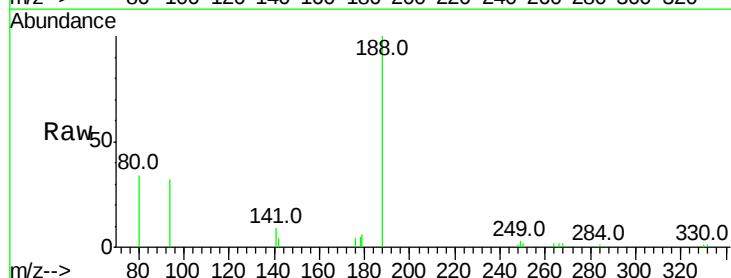
Instrument :
BNA_E
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3575-DB

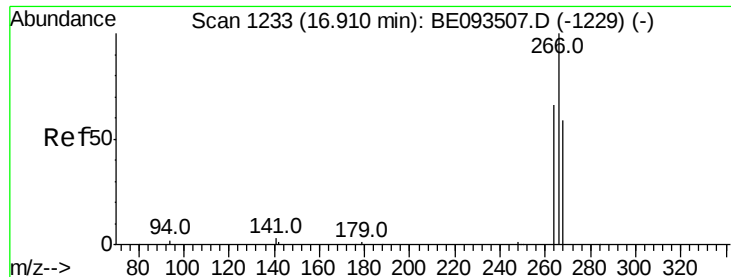
Tot Ion:172 Resp: 22165
Ion Ratio Lower Upper
172 100
171 33.9 29.8 44.6
170 22.1 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093526.D
Acq: 22 Jul 2017 2:06

Tgt Ion:188 Resp: 20207
Ion Ratio Lower Upper
188 100
94 31.7 11.3 16.9#
80 34.3 11.7 17.5#





#22

Pentachlorophenol

Concen: 2.161 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.03 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

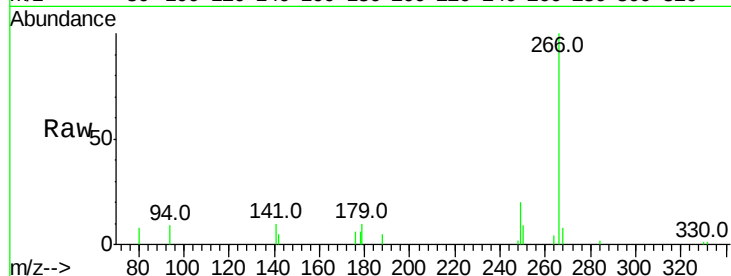
Tot Ion:266 Resp: 11777

Ion Ratio Lower Upper

266 100

264 3.7 56.0 84.0#

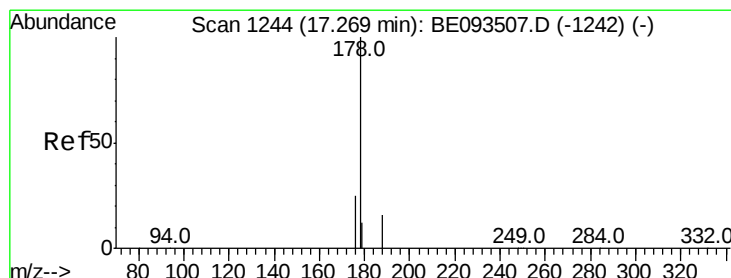
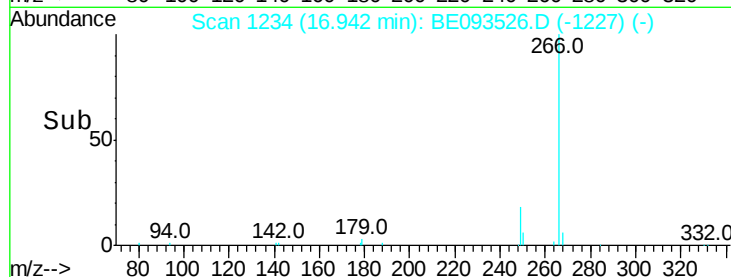
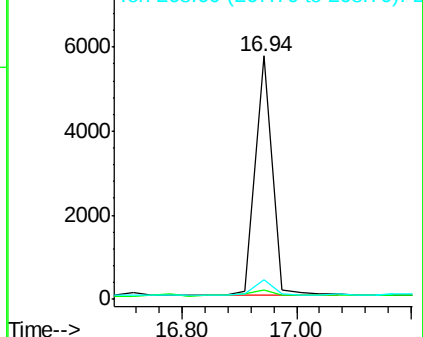
268 8.1 52.0 78.0#



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: 0.021 ng

RT: 17.20 min Scan# 1242

Delta R.T. -0.07 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

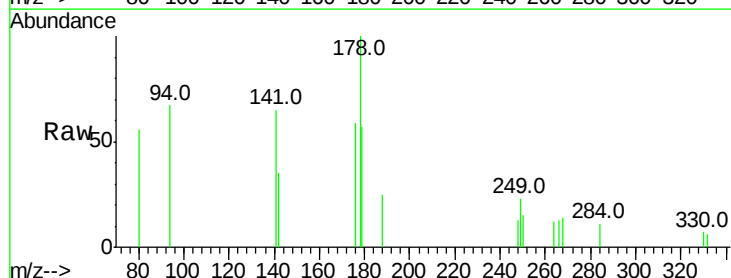
Tgt Ion:178 Resp: 964

Ion Ratio Lower Upper

178 100

176 39.3 15.0 22.4#

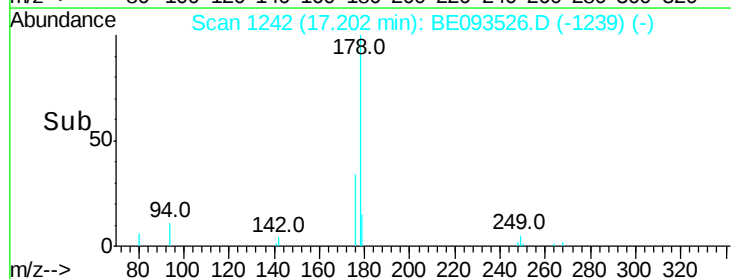
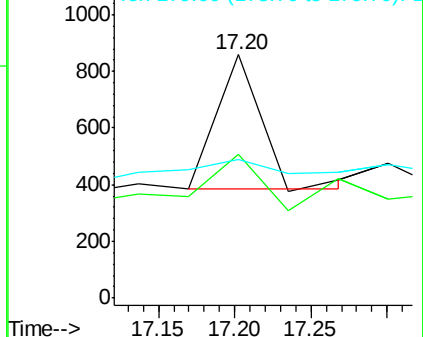
179 0.0 12.7 19.1#

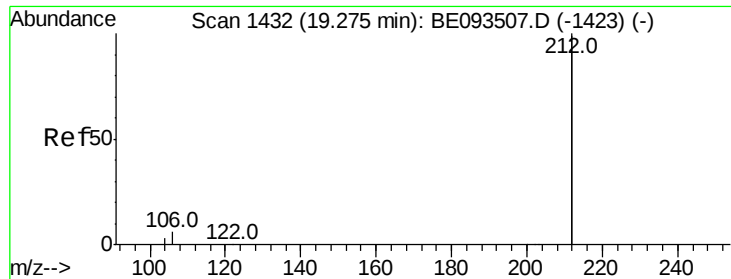


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.392 ng

RT: 19.28 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

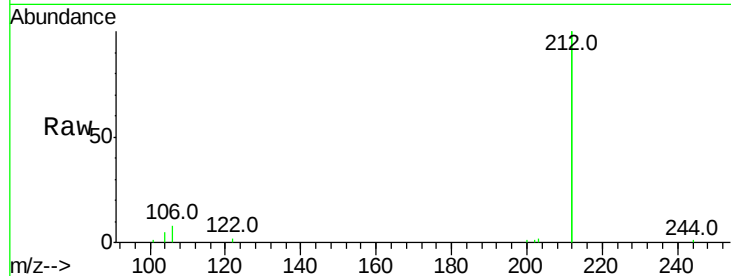
Tot Ion:212 Resp: 126208

Ion Ratio Lower Upper

212 100

106 3.3 2.4 3.6

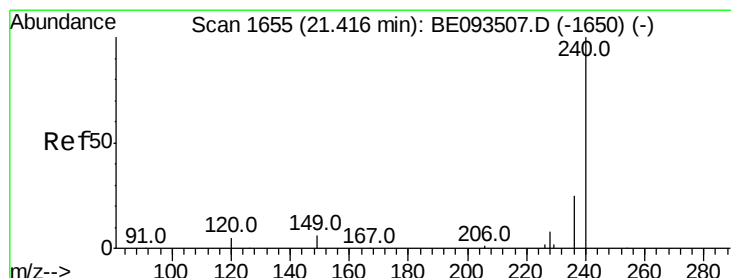
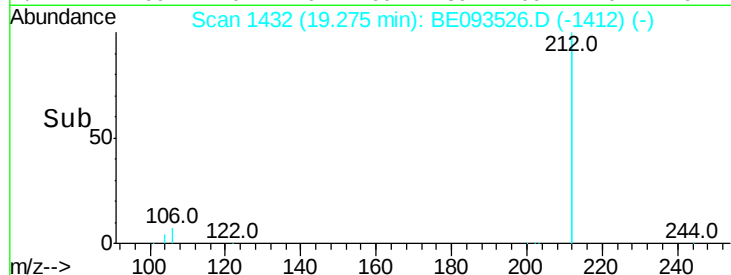
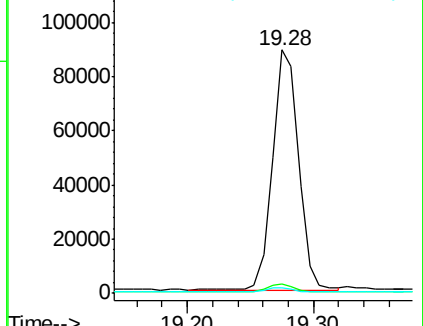
104 1.9 1.6 2.4



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# 1655

Delta R.T. -0.00 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

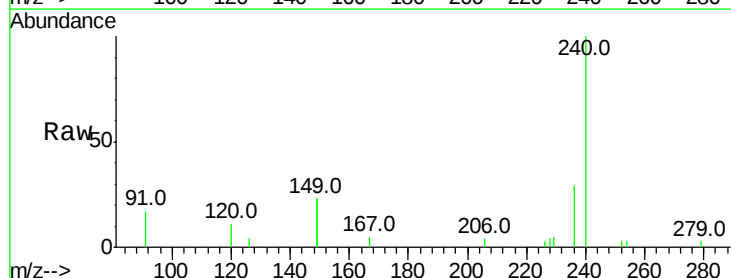
Tgt Ion:240 Resp: 33611

Ion Ratio Lower Upper

240 100

120 11.0 4.6 7.0#

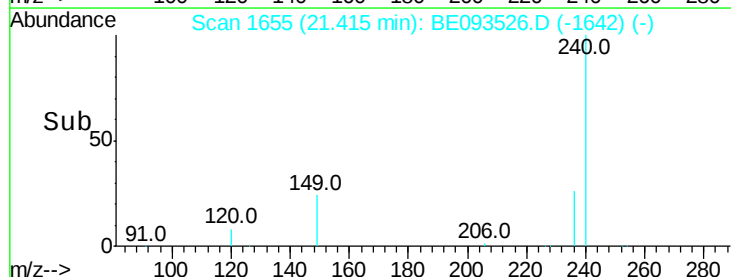
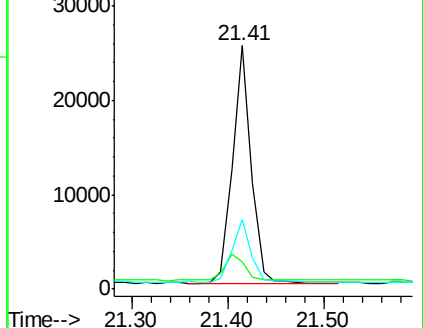
236 28.6 20.8 31.2

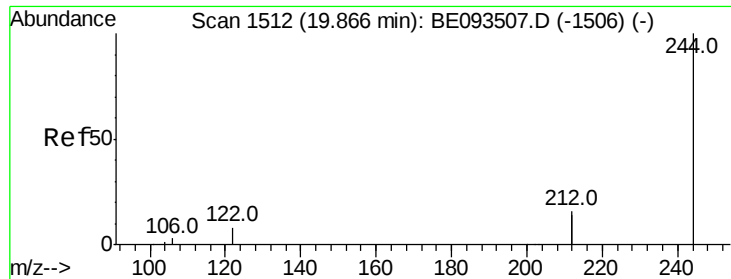


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.516 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

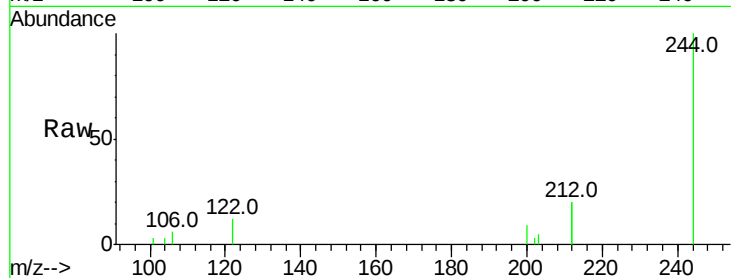
Tot Ion:244 Resp: 31569

Ion Ratio Lower Upper

244 100

212 39.7 10.6 16.0#

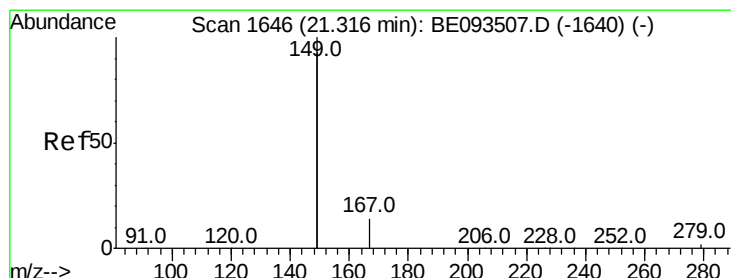
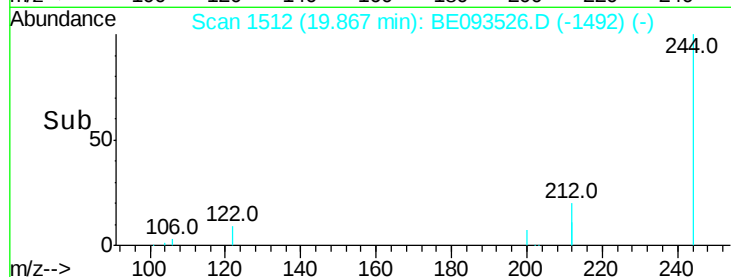
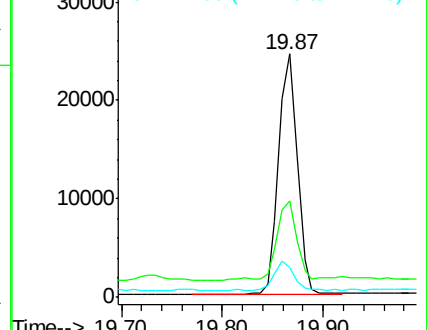
122 12.2 15.4 23.0#



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: 0.820 ng

RT: 21.31 min Scan# 1646

Delta R.T. -0.00 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

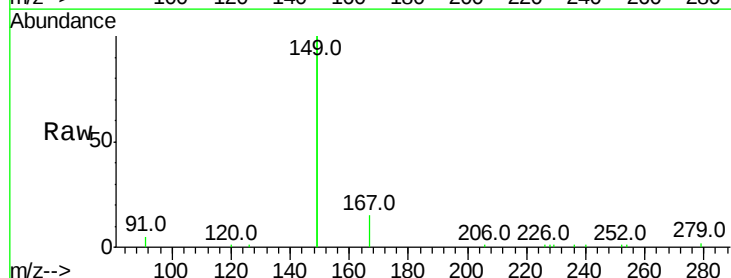
Tgt Ion:149 Resp: 178315

Ion Ratio Lower Upper

149 100

167 6.8 4.8 7.2

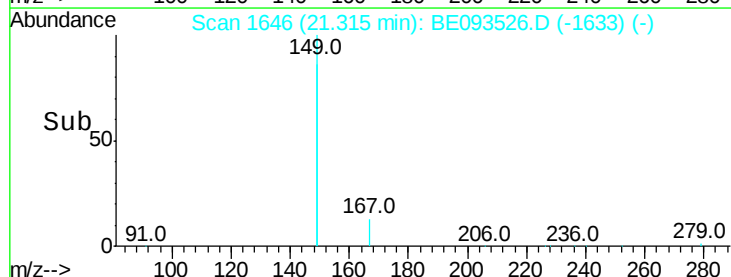
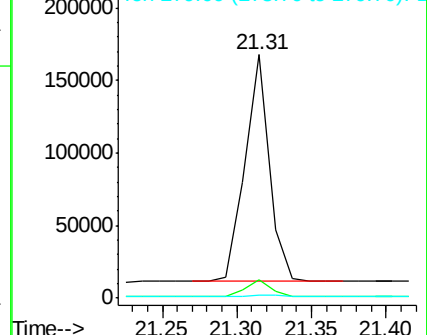
279 1.0 0.8 1.2

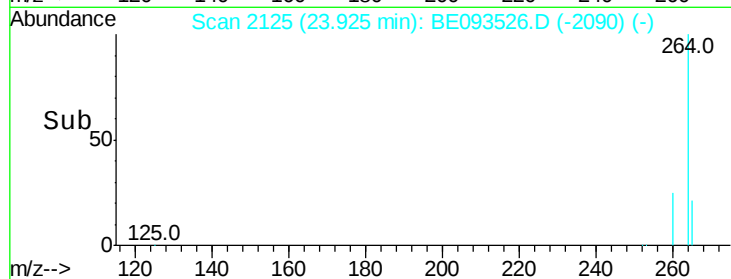
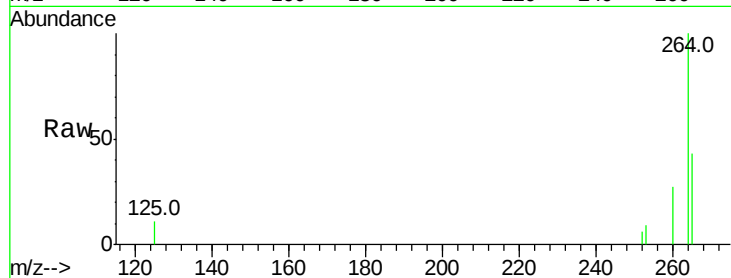
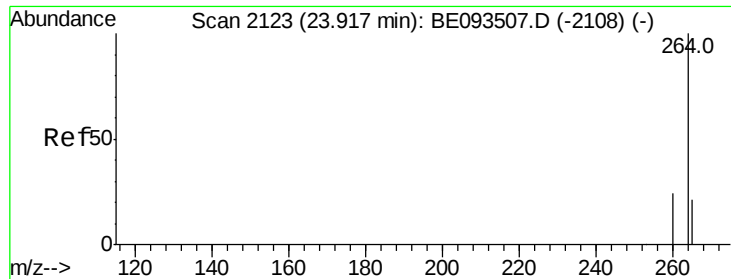


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE093526.D

Acq: 22 Jul 2017 2:06

Instrument :

BNA_E

ClientSampleId :

3575-DB

Tot Ion:264 Resp: 26978

Ion Ratio Lower Upper

264 100

260 26.7 21.0 31.4

265 42.6 24.6 36.8#

