

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE071417\
 Data File : BE093472.D
 Acq On : 14 Jul 2017 16:44
 Operator : SJ/JU
 Sample : I4153-09
 Misc : LOO 0.2 PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 17 01:27:59 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	5146	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	25496	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	16575	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	28218	0.40	ng	0.00
27) Chrysene-d12	21.42	240	45001	0.40	ng	-0.01
34) Perylene-d12	23.93	264	37285	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	2401	0.15	ng	0.00
5) Phenol-d6	7.10	99	2336	0.10	ng	0.00
8) Nitrobenzene-d5	9.08	82	6004	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	14447	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	415	0.08	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	23358	0.36	ng	-0.01
25) Fluoranthene-d10	19.28	212	180876	0.53	ng	0.00
29) Terphenyl-d14	19.87	244	33228	0.41	ng	0.00

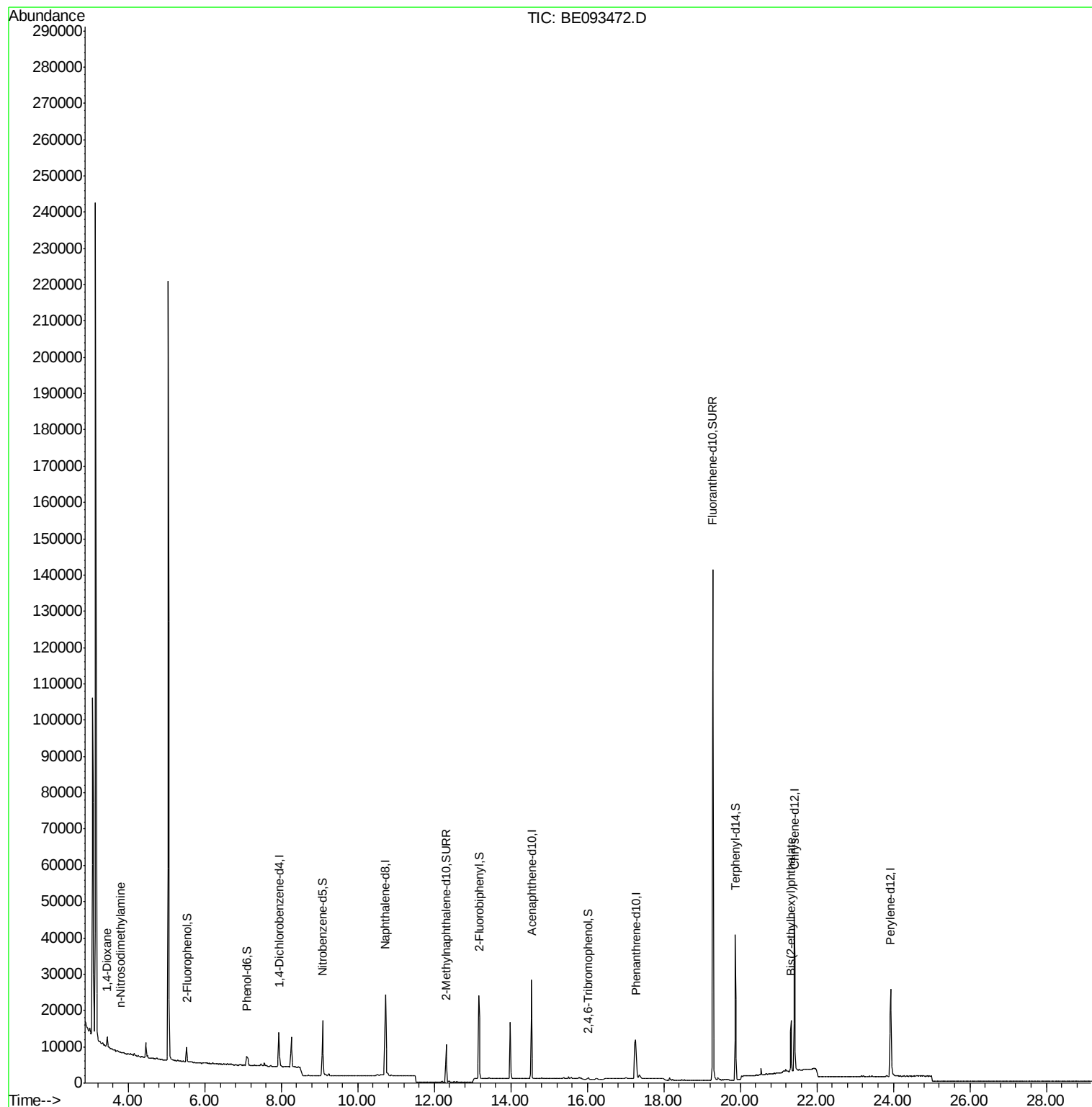
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	2361	0.217	ng	# 43
3) n-Nitrosodimethylamine	3.79	42	144	0.143	ng	# 1
22) Pentachlorophenol	16.91	266	27	Below Cal		# 85
32) Bis(2-ethylhexyl)phthalate	21.33	149	17981	0.103	ng	# 67

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.94 min Scan# 404

Delta R.T. -0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Instrument :

BNA_E

ClientSampleId :

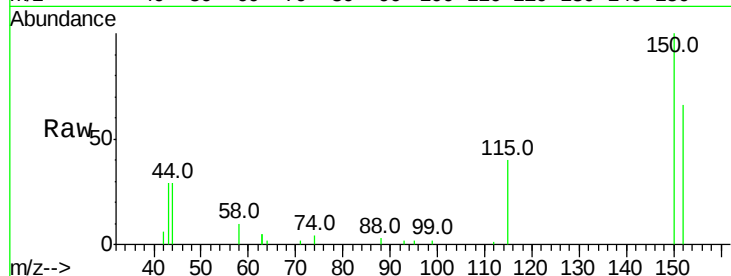
Tot Ion:152 Resp: 5146

Ion Ratio Lower Upper

152 100

150 152.1 125.1 187.7

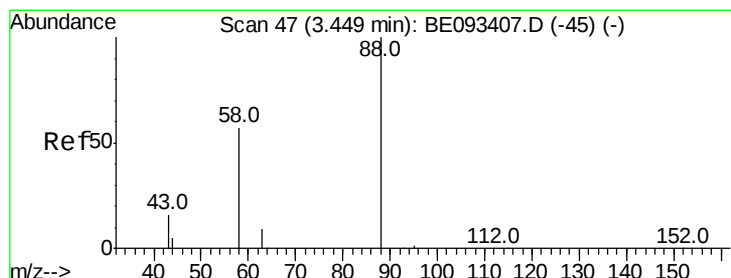
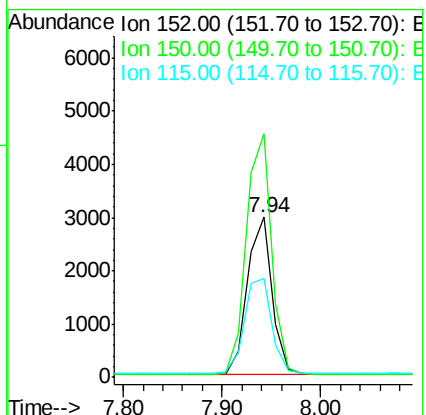
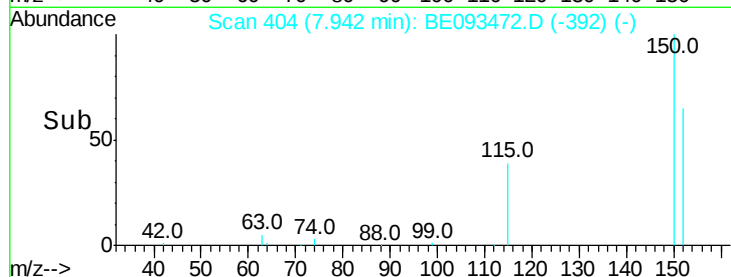
115 61.5 55.7 83.5



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: 0.217 ng

RT: 3.45 min Scan# 47

Delta R.T. -0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

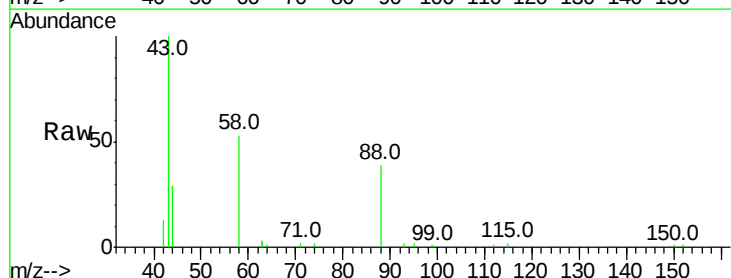
Tgt Ion: 88 Resp: 2361

Ion Ratio Lower Upper

88 100

58 107.7 62.2 93.4#

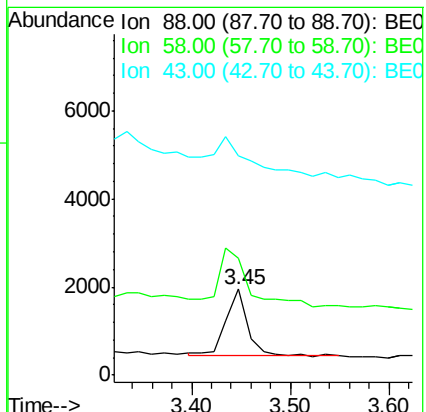
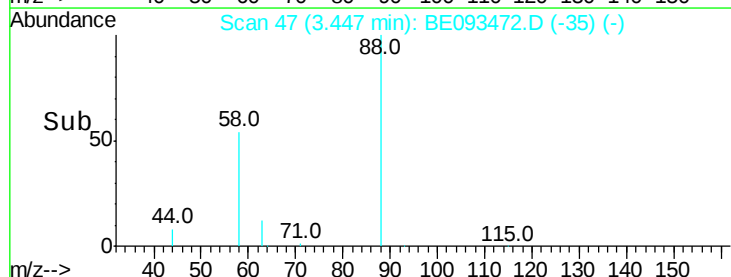
43 90.9 23.2 34.8#



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: 0.143 ng

RT: 3.79 min Scan# 74

Delta R.T. 0.02 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Instrument :

BNA_E

ClientSampleId :

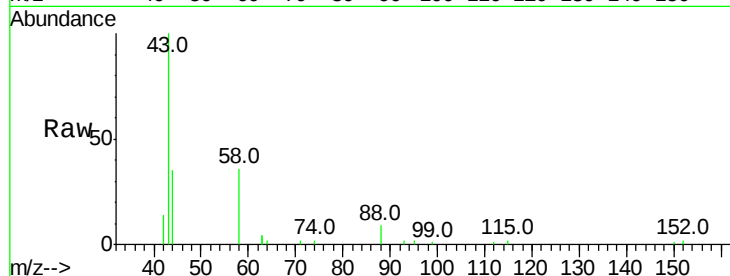
Tot Ion: 42 Resp: 144

Ion Ratio Lower Upper

42 100

74 0.0 99.1 148.7#

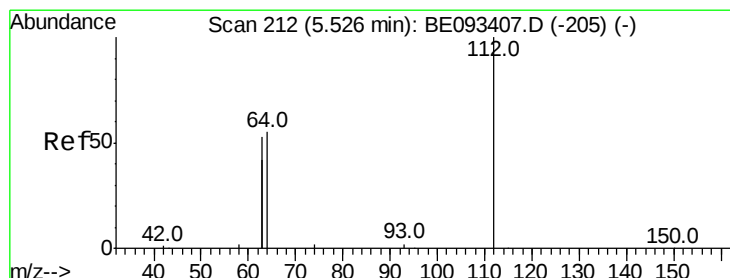
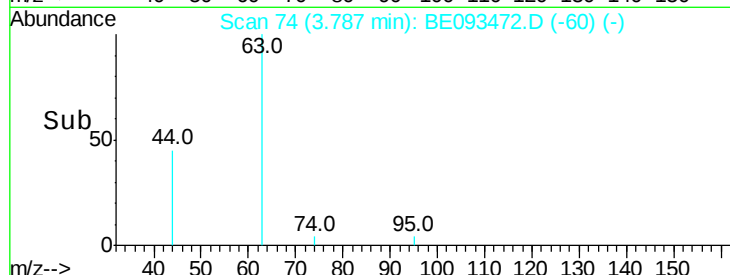
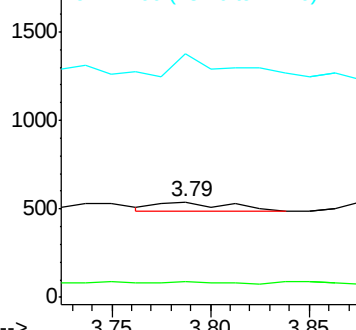
44 168.8 7.4 11.2#



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: 0.155 ng

RT: 5.52 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

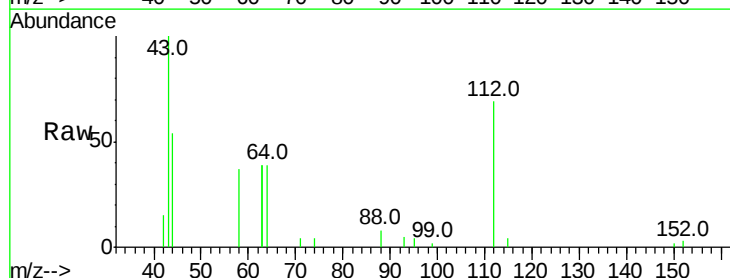
Tgt Ion: 112 Resp: 2401

Ion Ratio Lower Upper

112 100

64 72.2 56.4 84.6

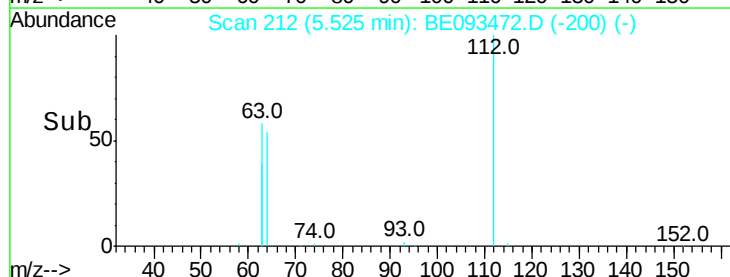
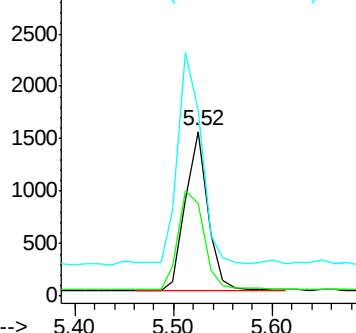
63 143.9 29.3 43.9#

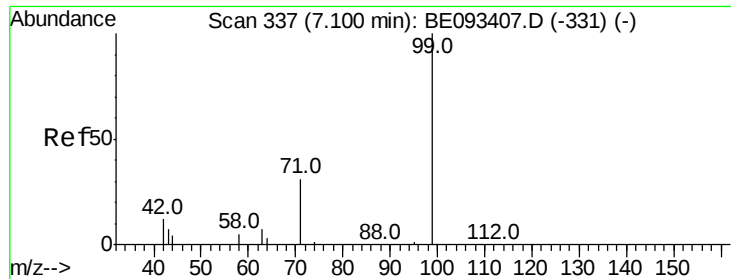


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.102 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Instrument :

BNA_E

ClientSampleId :

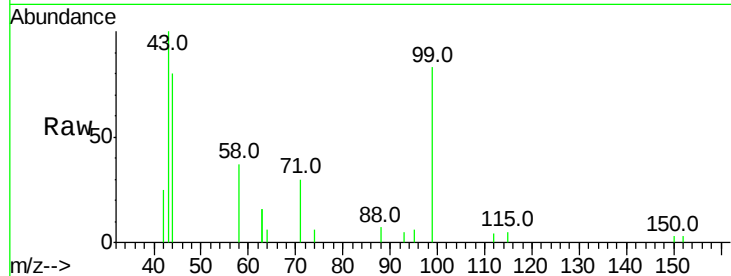
Tot Ion: 99 Resp: 2336

Ion Ratio Lower Upper

99 100

42 24.1 0.0 0.0#

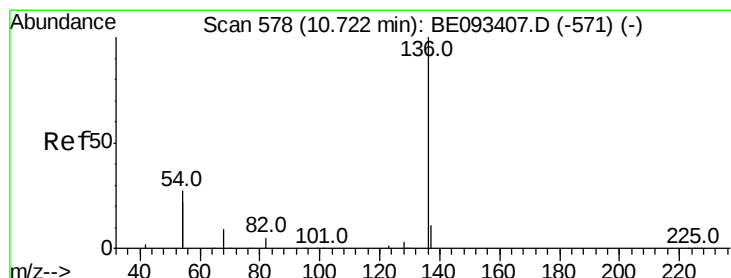
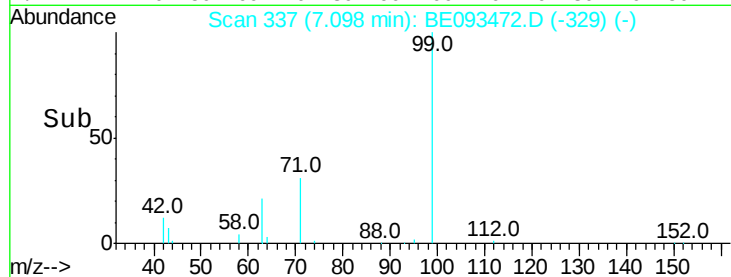
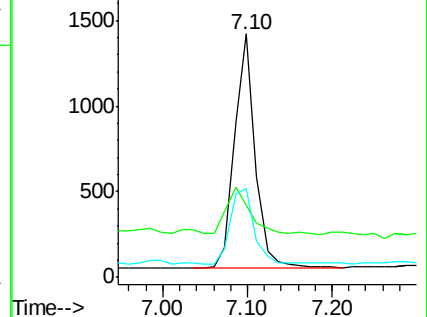
71 36.5 0.0 0.0#



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. -0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Tgt Ion: 136 Resp: 25496

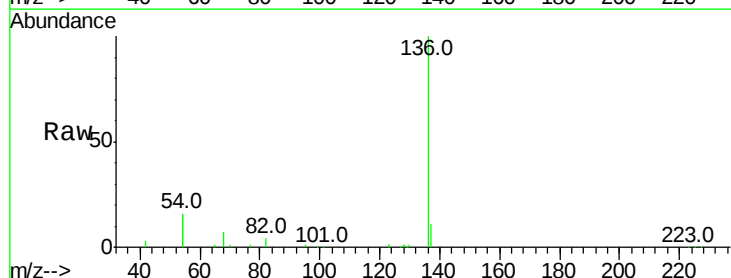
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 31.6 10.3 15.5#

68 6.5 9.0 13.4#

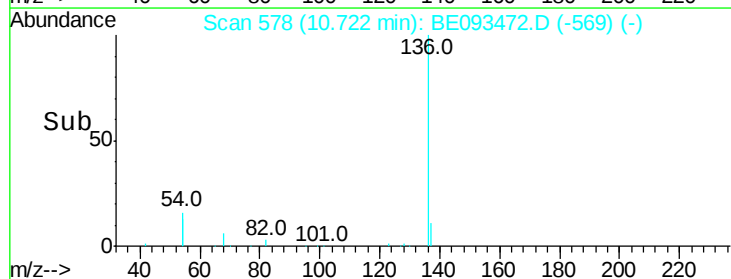
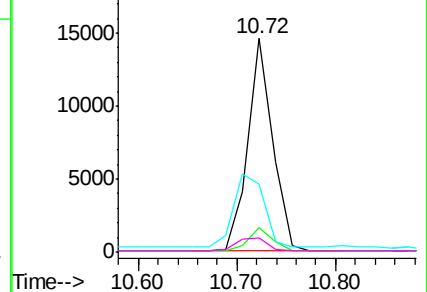


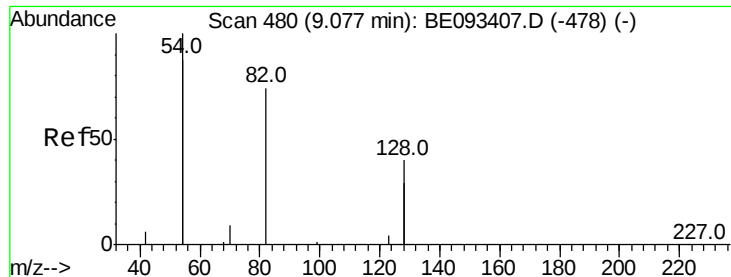
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.369 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Instrument :

BNA_E

ClientSampleId :

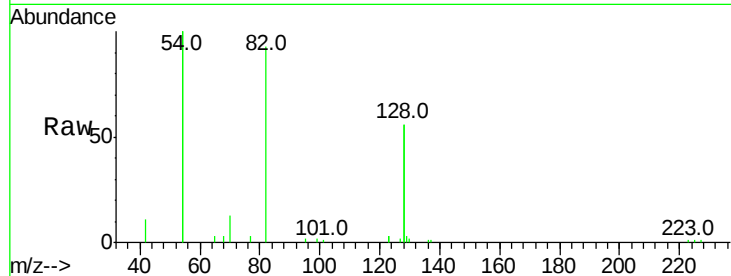
Tot Ion: 82 Resp: 6004

Ion Ratio Lower Upper

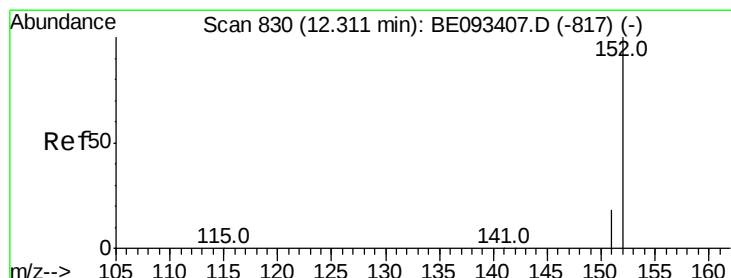
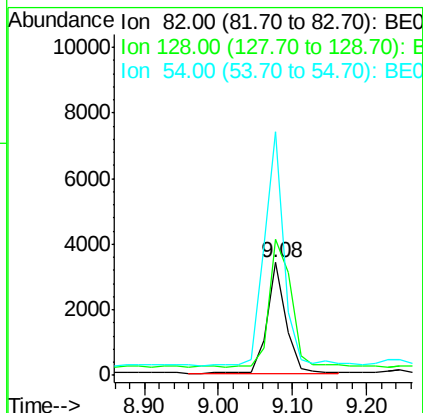
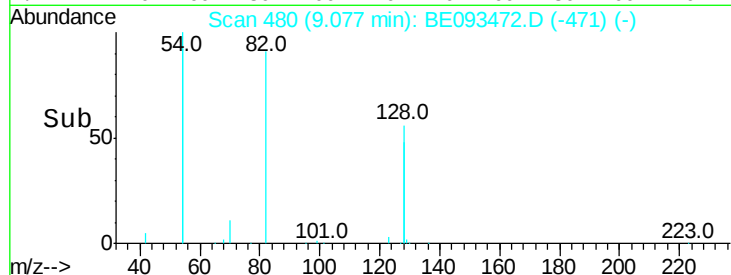
82 100

128 120.6 17.0 25.4#

54 215.9 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: 0.355 ng

RT: 12.31 min Scan# 829

Delta R.T. -0.00 min

Lab File: BE093472.D

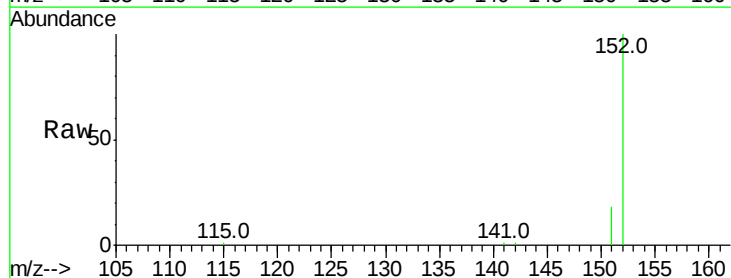
Acq: 14 Jul 2017 16:44

Tgt Ion: 152 Resp: 14447

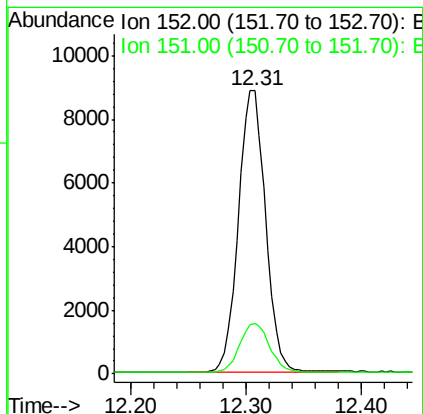
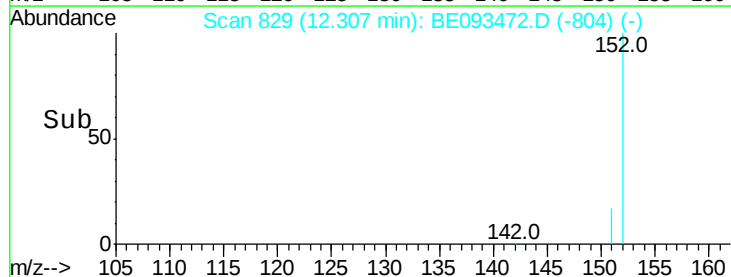
Ion Ratio Lower Upper

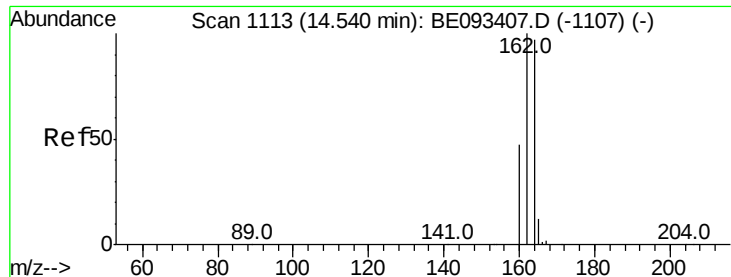
152 100

151 19.1 15.1 22.7



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: 14.54 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Instrument :

BNA_E

ClientSampleId :

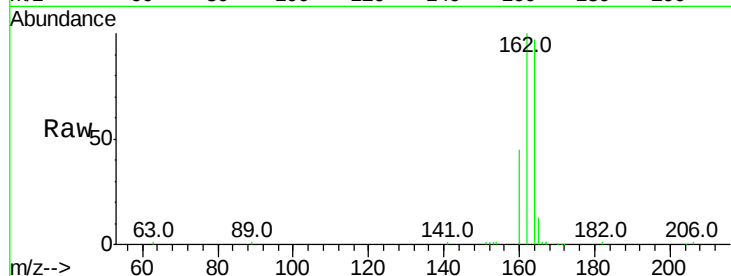
Tot Ion:164 Resp: 16575

Ion Ratio Lower Upper

164 100

162 103.2 84.6 127.0

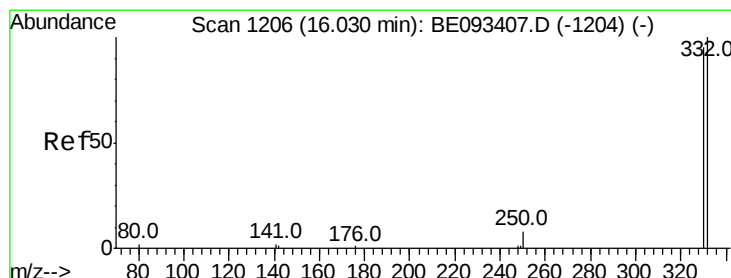
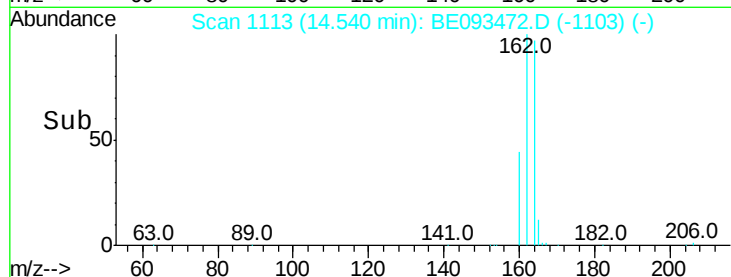
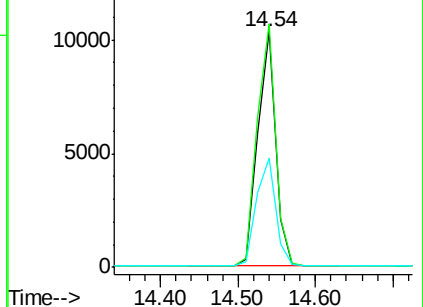
160 46.1 41.8 62.6



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: 0.080 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

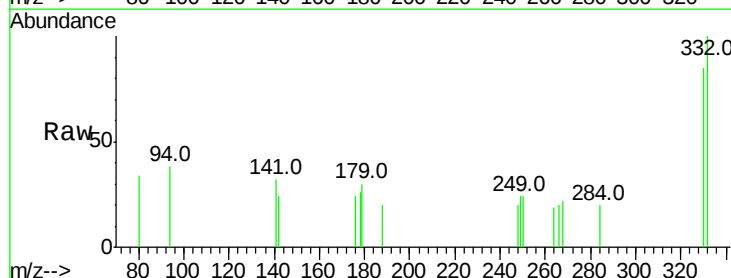
Tgt Ion:330 Resp: 415

Ion Ratio Lower Upper

330 100

332 109.9 77.7 116.5

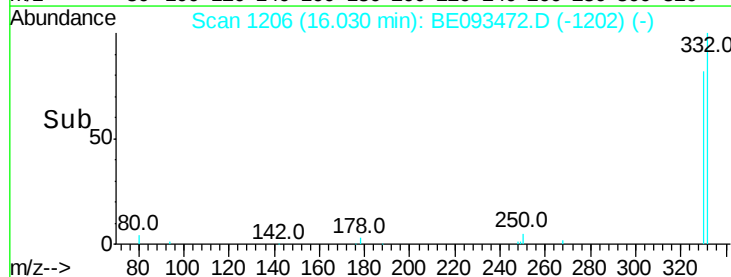
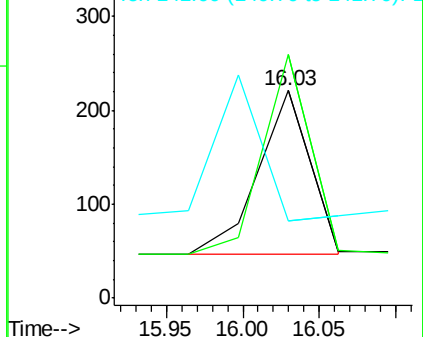
141 0.0 56.2 84.4#

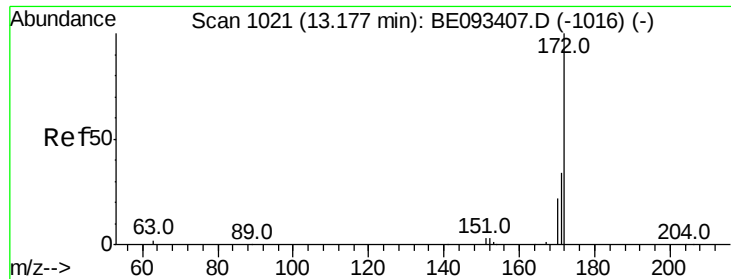


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

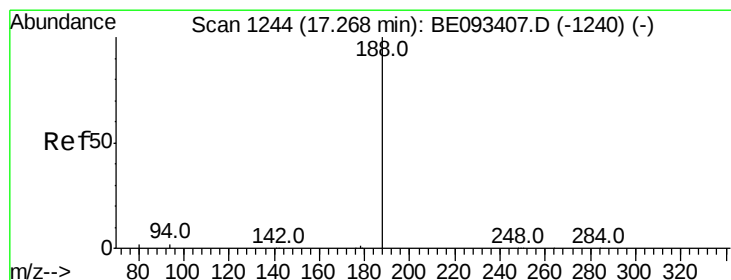
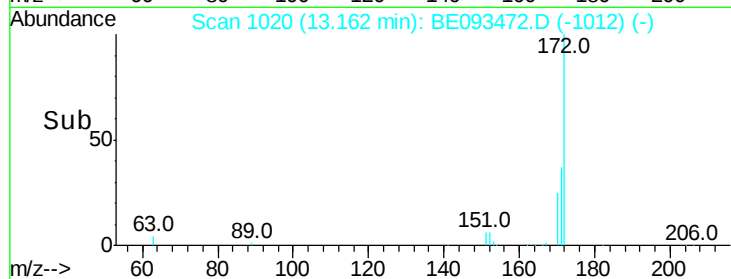
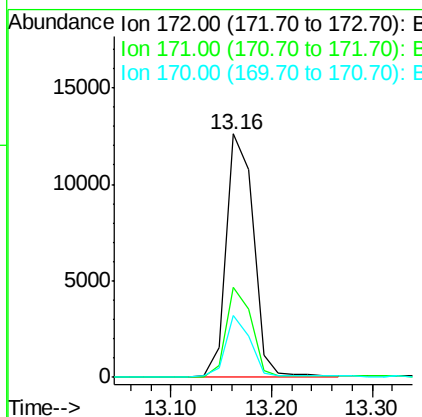
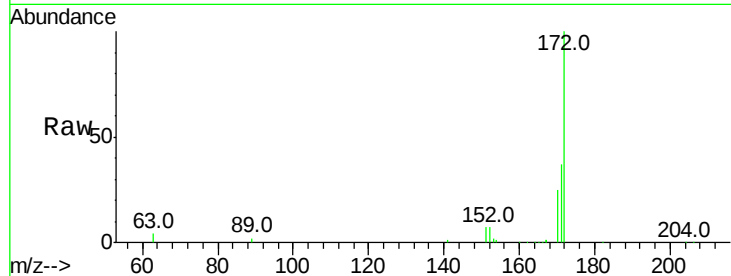




#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 13.16 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE093472.D
Acq: 14 Jul 2017 16:44

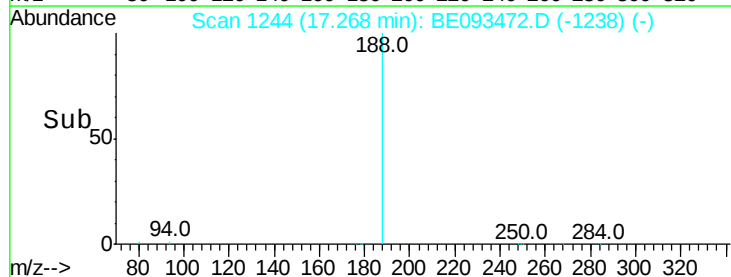
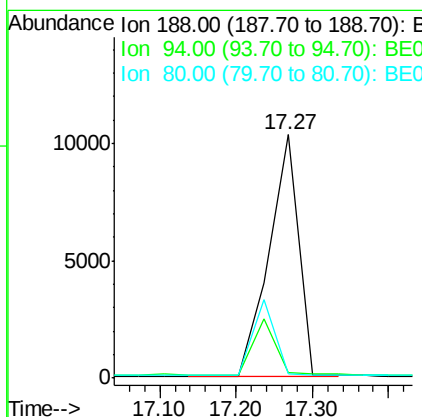
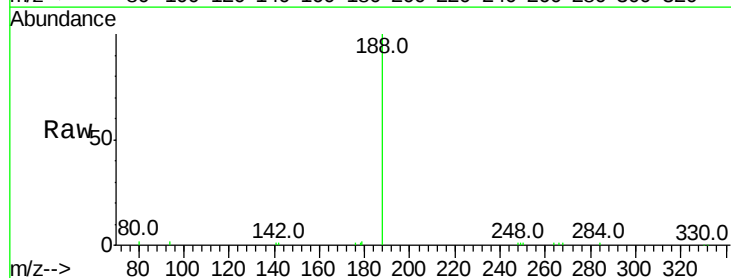
Instrument :
BNA_E
ClientSampleId :

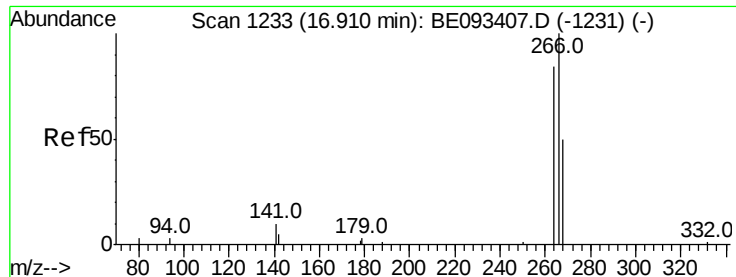
Tot Ion:172 Resp: 23358
Ion Ratio Lower Upper
172 100
171 37.0 29.8 44.6
170 25.2 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093472.D
Acq: 14 Jul 2017 16:44

Tgt Ion:188 Resp: 28218
Ion Ratio Lower Upper
188 100
94 2.5 11.3 16.9#
80 2.0 11.7 17.5#

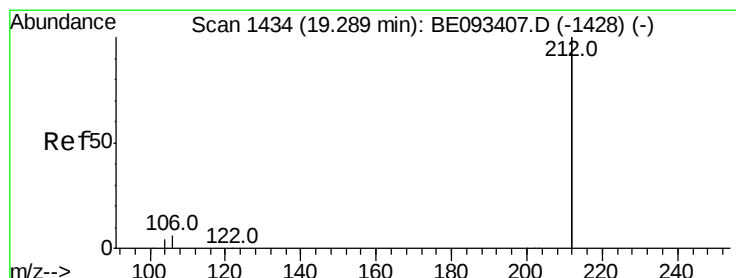
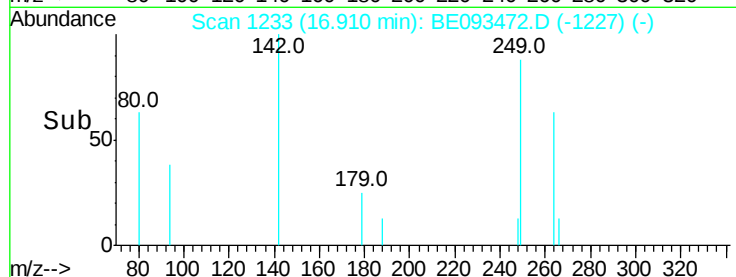
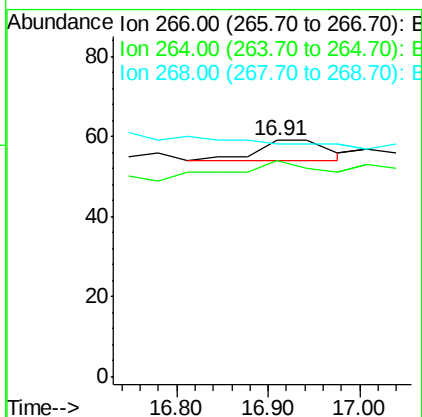
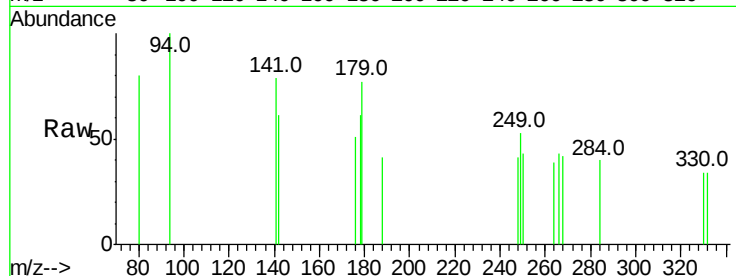




#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.91 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BE093472.D
 Acq: 14 Jul 2017 16:44

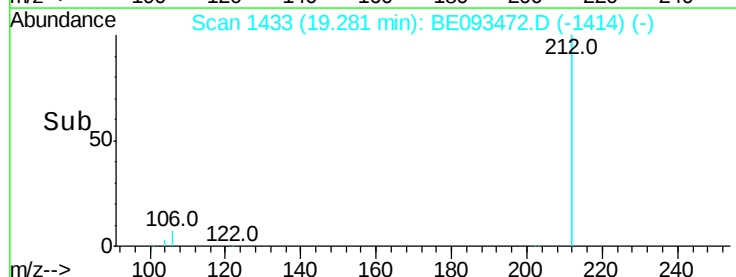
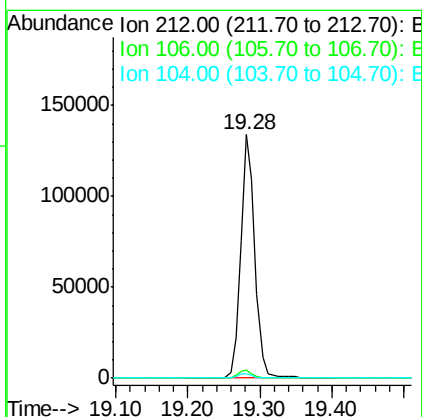
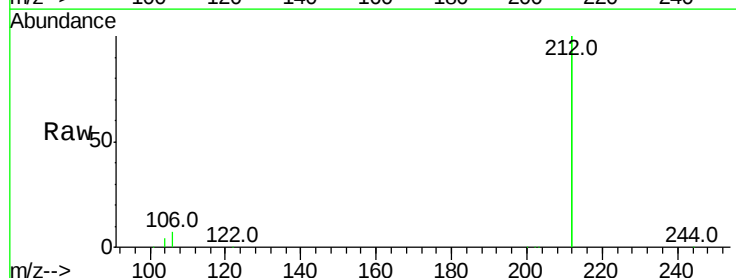
Instrument :
 BNA_E
 ClientSampleId :

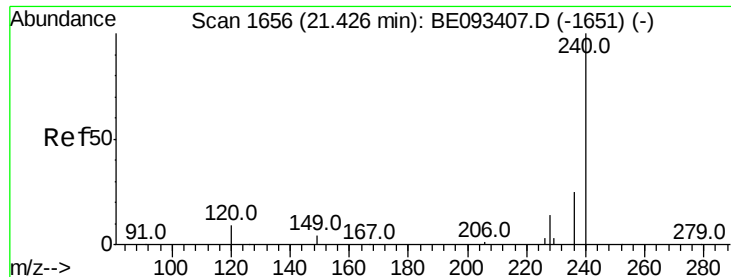
Tot Ion:266 Resp: 27
 Ion Ratio Lower Upper
 266 100
 264 91.5 58.2 87.2#
 268 98.3 71.9 107.9



#25
 Fluoranthene-d10
 Concen: 0.532 ng
 RT: 19.28 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BE093472.D
 Acq: 14 Jul 2017 16:44

Tgt Ion:212 Resp: 180876
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.4 3.6
 104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Instrument :

BNA_E

ClientSampleId :

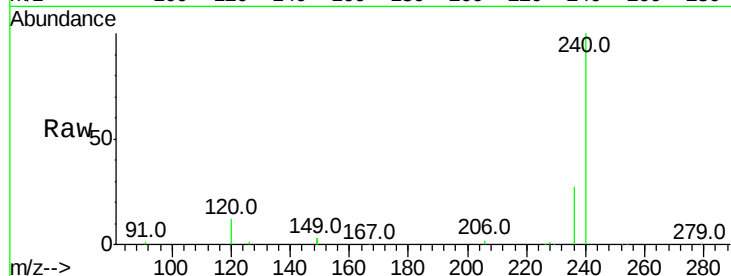
Tot Ion:240 Resp: 45001

Ion Ratio Lower Upper

240 100

120 12.5 4.6 7.0#

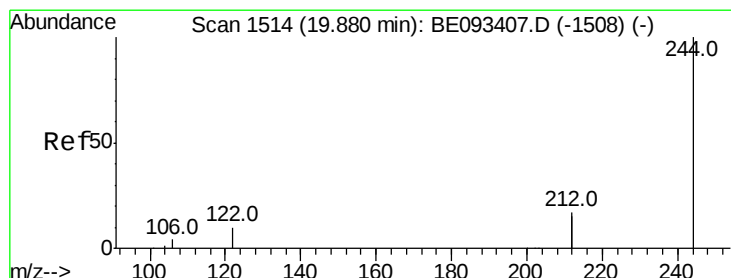
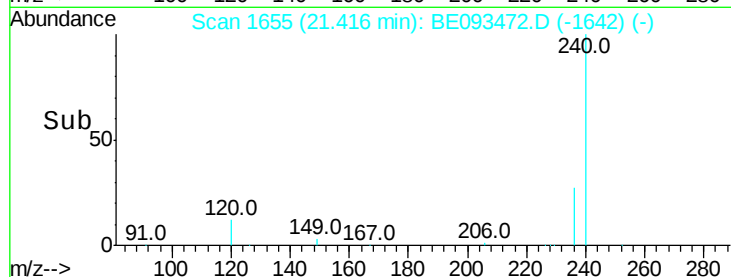
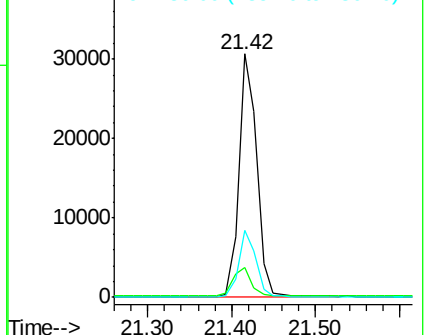
236 27.4 20.8 31.2



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: 0.414 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

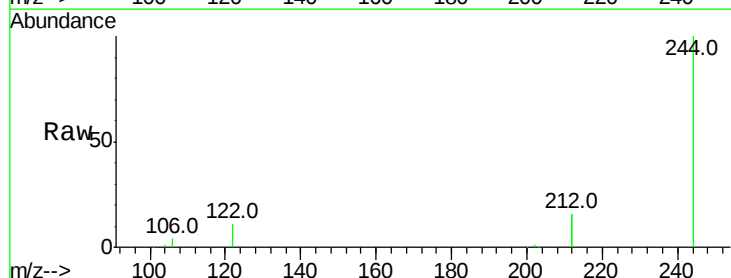
Tgt Ion:244 Resp: 33228

Ion Ratio Lower Upper

244 100

212 32.4 10.6 16.0#

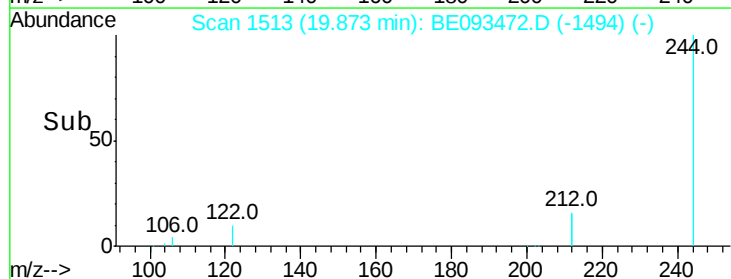
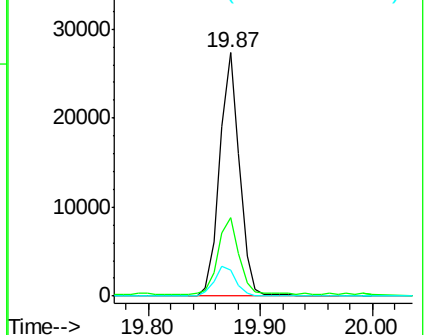
122 10.6 15.4 23.0#

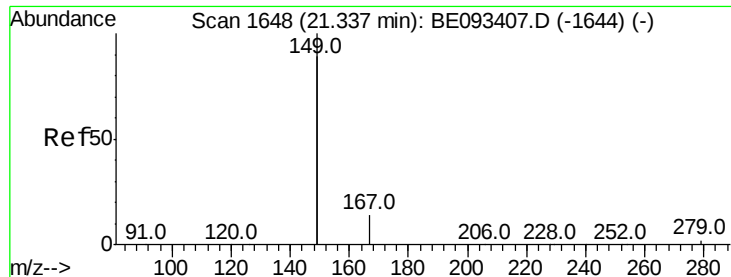


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.103 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

Instrument :

BNA_E

ClientSampleId :

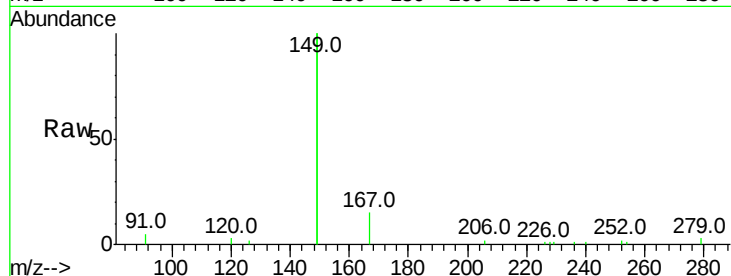
Tot Ion:149 Resp: 17981

Ion Ratio Lower Upper

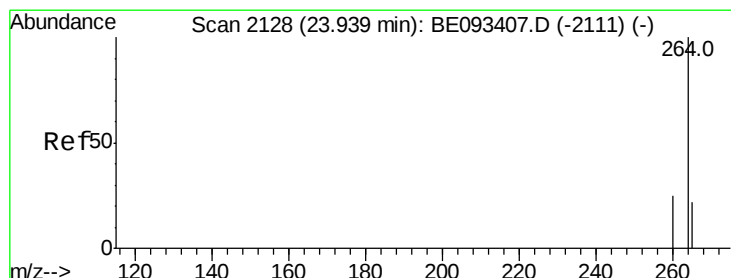
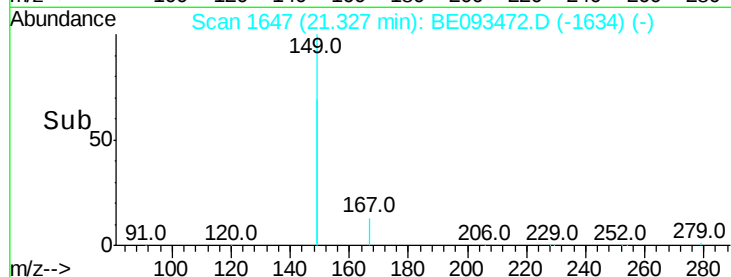
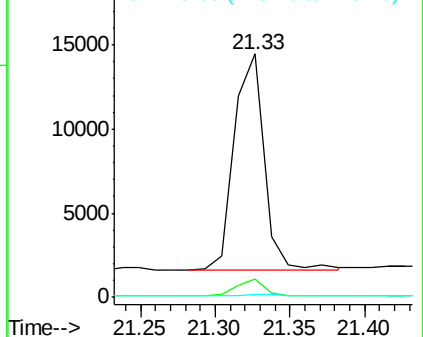
149 100

167 7.0 20.1 30.1#

279 1.0 2.2 3.4#



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: 23.93 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BE093472.D

Acq: 14 Jul 2017 16:44

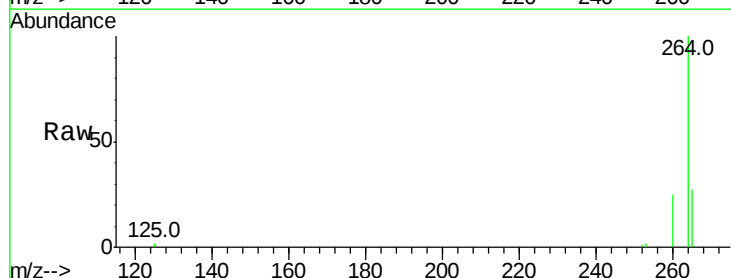
Tgt Ion:264 Resp: 37285

Ion Ratio Lower Upper

264 100

260 24.5 21.0 31.4

265 27.3 24.6 36.8



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

