

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE071317\
 Data File : BE093458.D
 Acq On : 13 Jul 2017 14:38
 Operator : SJ/JU
 Sample : I4142-05
 Misc : L00 0.2 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 15:21:38 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	7.95	152	4409	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	23132	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	14773	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	27103	0.40	ng	0.00
27) Chrysene-d12	21.42	240	39764	0.40	ng	-0.01
34) Perylene-d12	23.93	264	33747	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	2157	0.16	ng	0.00
5) Phenol-d6	7.10	99	2078	0.11	ng	0.00
8) Nitrobenzene-d5	9.08	82	5373	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	13015	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1050	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	27723	0.48	ng	0.00
25) Fluoranthene-d10	19.28	212	160138	0.49	ng	0.00
29) Terphenyl-d14	19.87	244	31963	0.45	ng	0.00

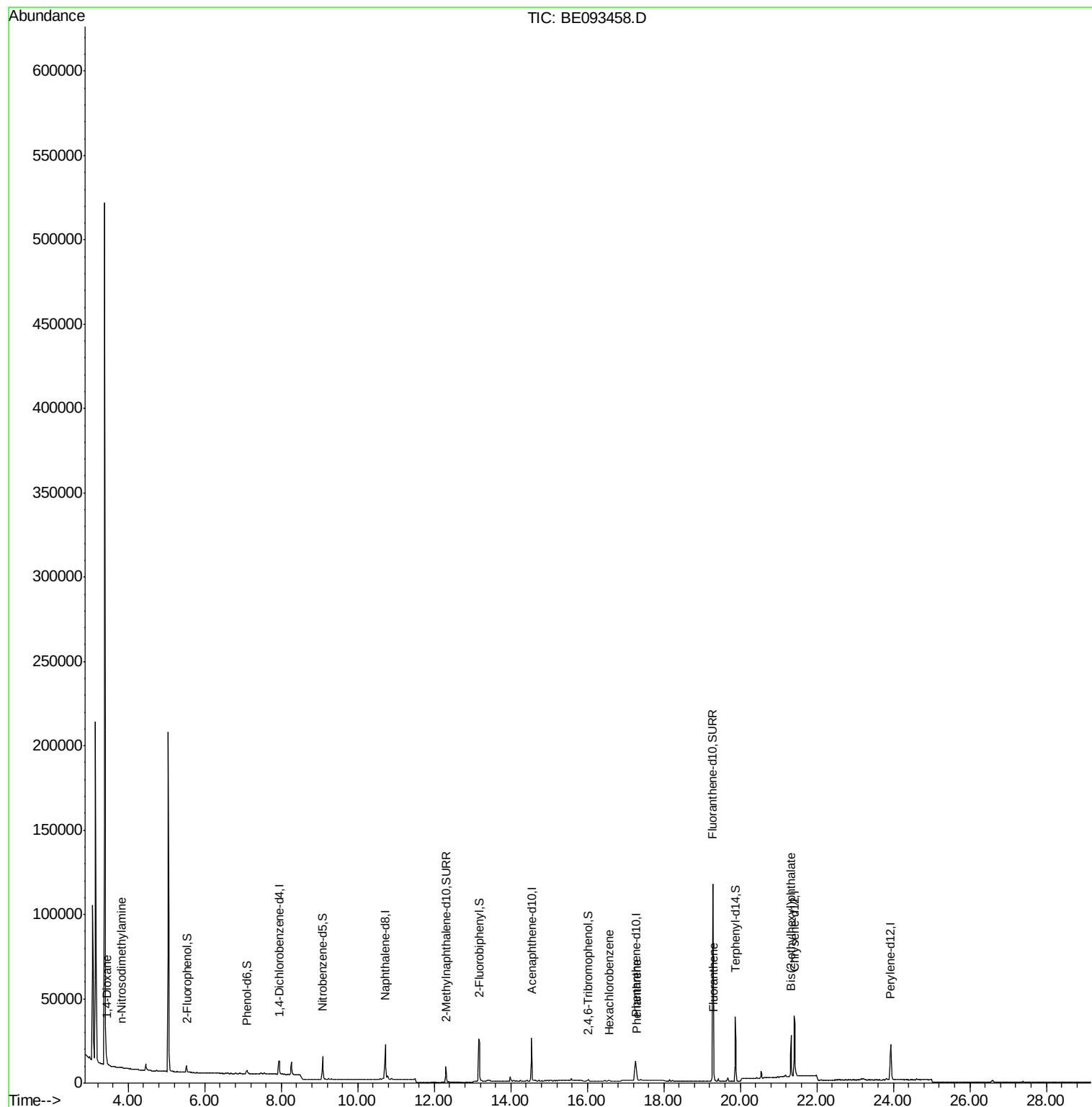
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	585	0.063	ng	# 1
3) n-Nitrosodimethylamine	3.83	42	56	0.133	ng	# 1
21) Hexachlorobenzene	16.58	284	755	0.047	ng	# 100
22) Pentachlorophenol	16.91	266	53	Below Cal		93
23) Phenanthrene	17.30	178	2122	0.022	ng	# 91
26) Fluoranthene	19.31	202	1913	0.021	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.33	149	27794	0.180	ng	# 66

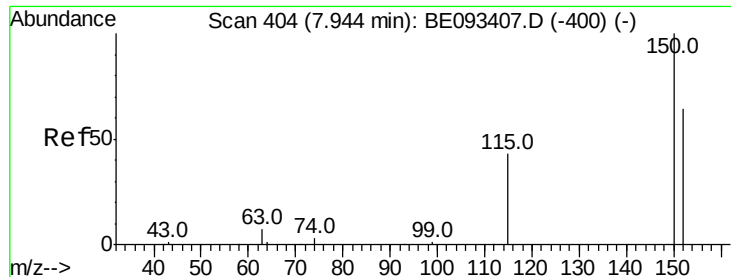
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 03 06:40:23 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

ClientSampled :

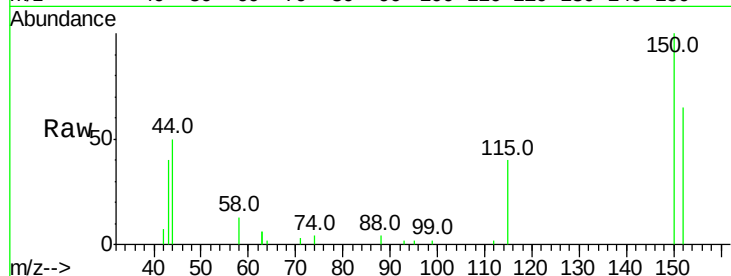
Tot Ion:152 Resp: 4409

Ion Ratio Lower Upper

152 100

150 153.4 125.1 187.7

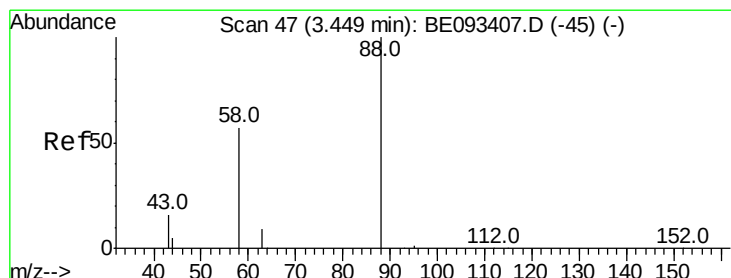
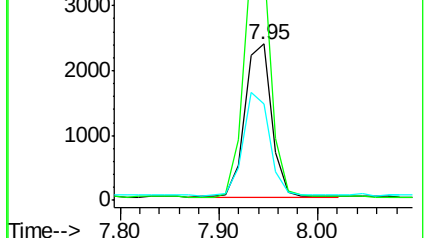
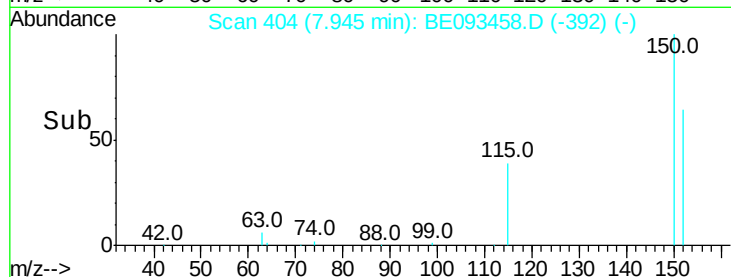
115 62.0 55.7 83.5



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: 0.063 ng

RT: 3.45 min Scan# 47

Delta R.T. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

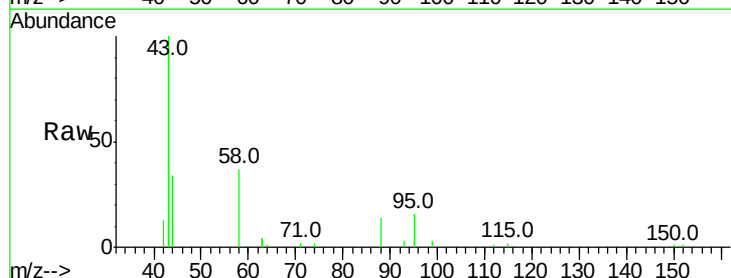
Tgt Ion: 88 Resp: 585

Ion Ratio Lower Upper

88 100

58 240.7 62.2 93.4#

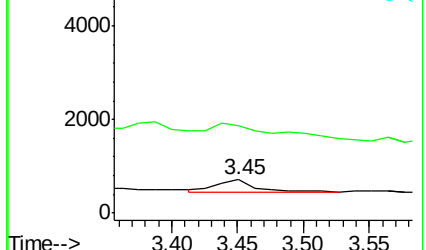
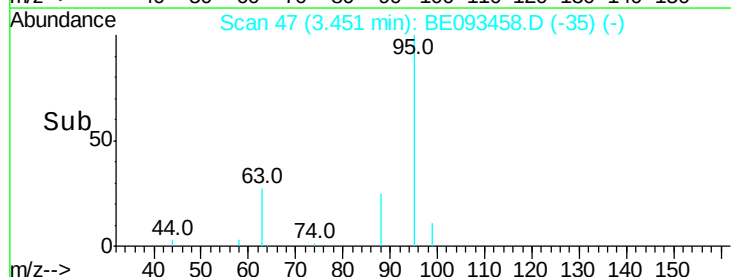
43 0.0 23.2 34.8#

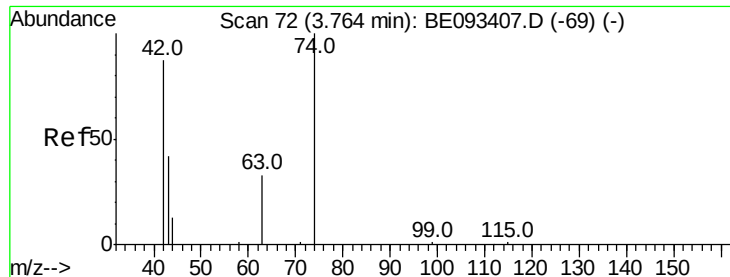


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



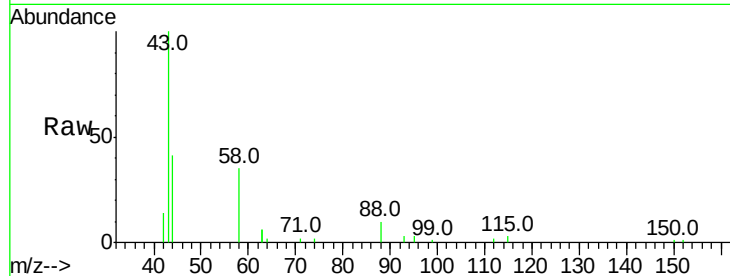


#3

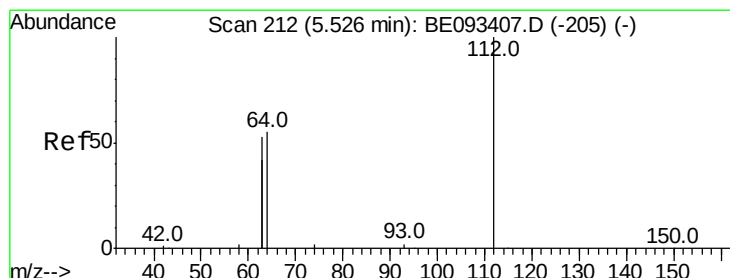
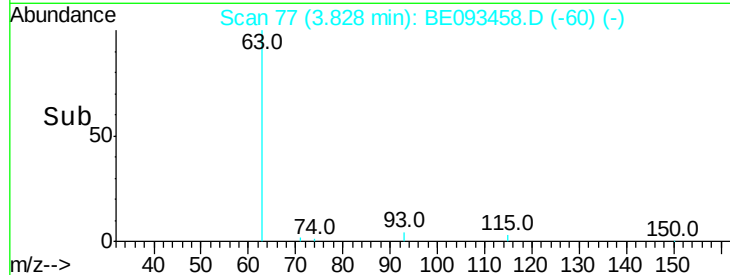
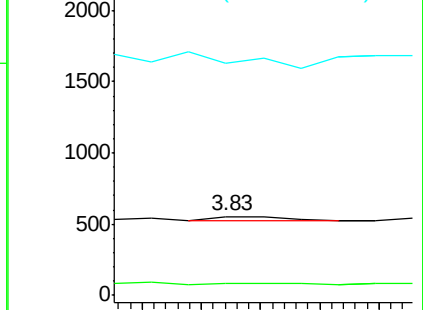
n-Nitrosodimethylamine
 Concen: 0.133 ng
 RT: 3.83 min Scan# 77
 Delta R.T. 0.07 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 56
 Ion Ratio Lower Upper
 42 100
 74 0.0 99.1 148.7#
 44 0.0 7.4 11.2#



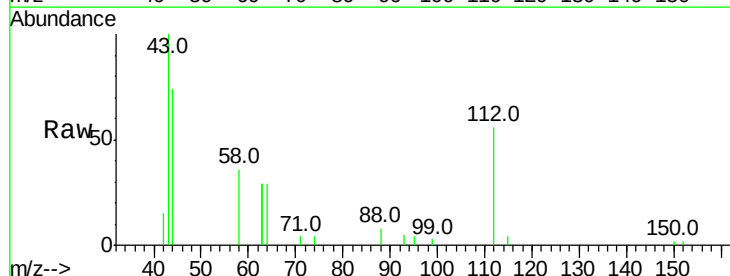
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



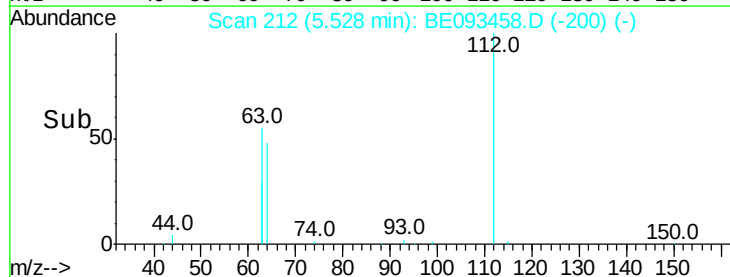
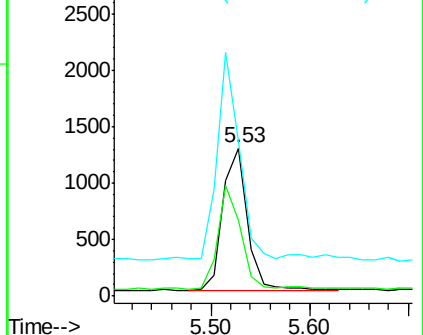
#4

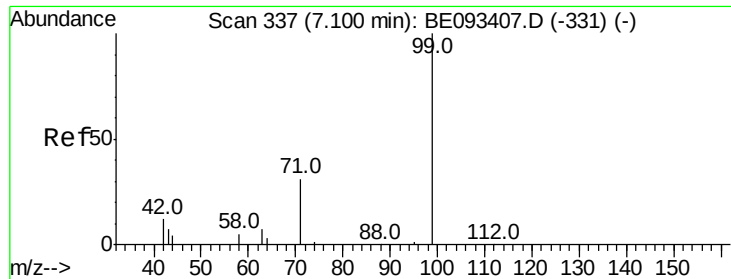
2-Fluorophenol
 Concen: 0.162 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

Tgt Ion: 112 Resp: 2157
 Ion Ratio Lower Upper
 112 100
 64 71.2 56.4 84.6
 63 134.5 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: 0.106 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

ClientSampled :

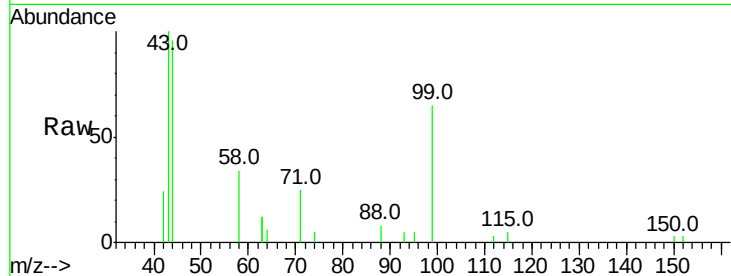
Tot Ion: 99 Resp: 2078

Ion Ratio Lower Upper

99 100

42 23.7 0.0 0.0#

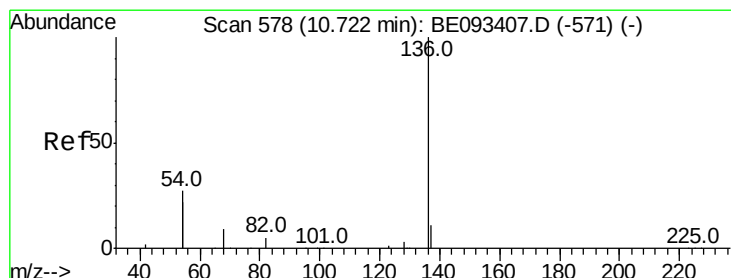
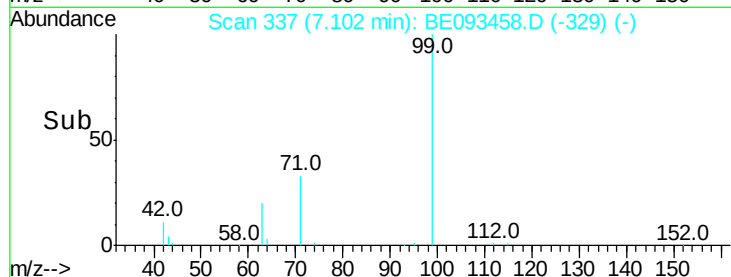
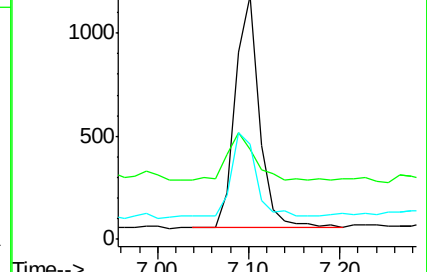
71 36.0 0.0 0.0#



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. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Tgt Ion: 136 Resp: 23132

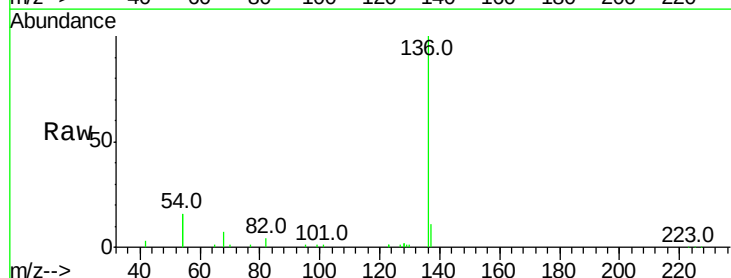
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 32.1 10.3 15.5#

68 7.0 9.0 13.4#

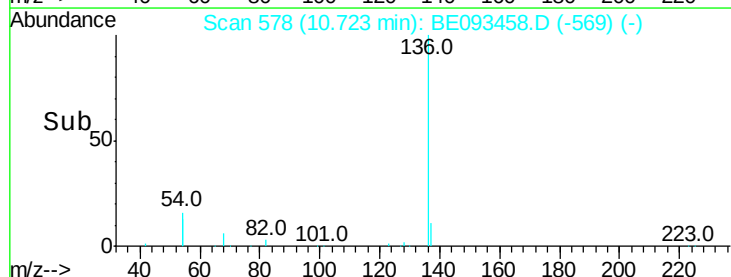
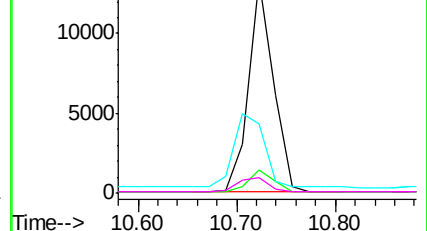


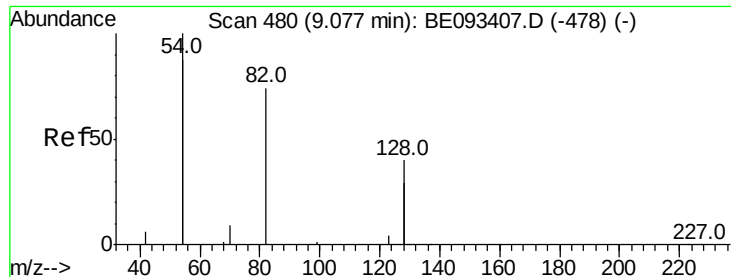
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.364 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

ClientSampled :

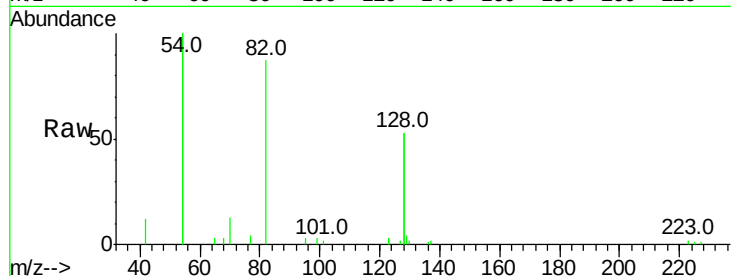
Tot Ion: 82 Resp: 5373

Ion Ratio Lower Upper

82 100

128 122.1 17.0 25.4#

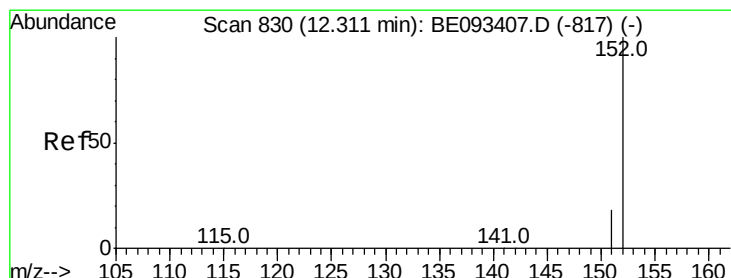
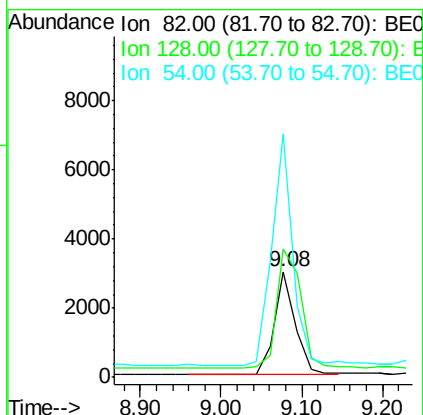
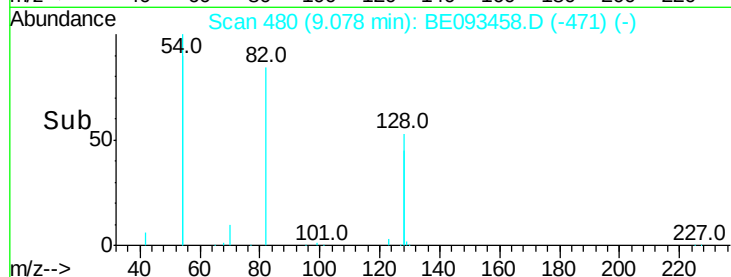
54 230.7 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE093407.D (-478) (-)

Ion 128.00 (127.70 to 128.70): BE093407.D (-478) (-)

Ion 54.00 (53.70 to 54.70): BE093407.D (-478) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.353 ng

RT: 12.31 min Scan# 829

Delta R.T. -0.00 min

Lab File: BE093458.D

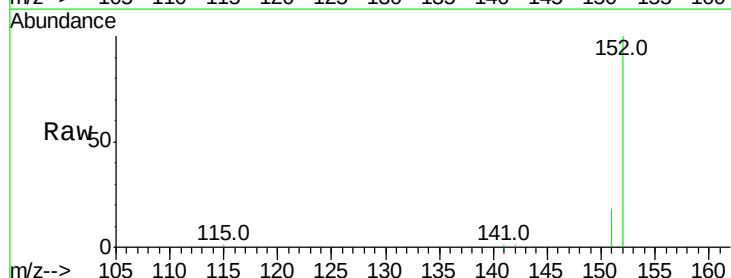
Acq: 13 Jul 2017 14:38

Tgt Ion: 152 Resp: 13015

Ion Ratio Lower Upper

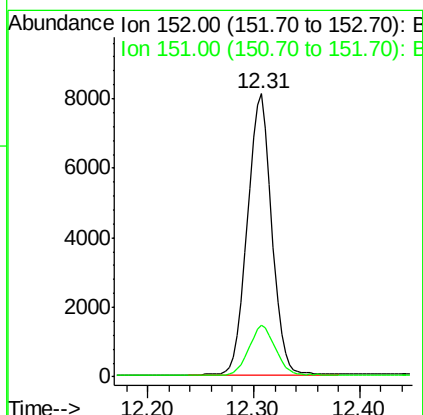
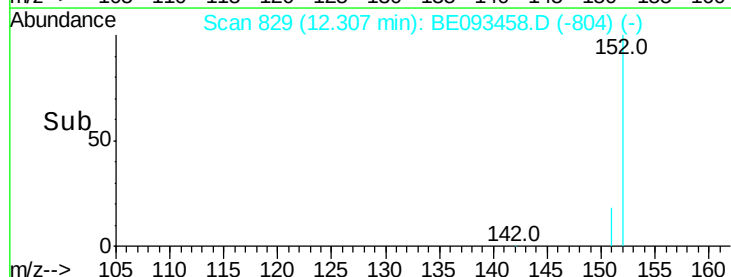
152 100

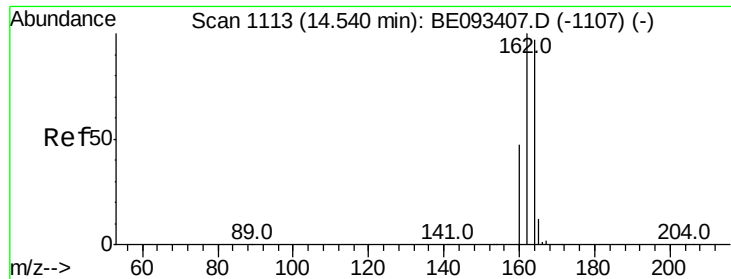
151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE093407.D (-817) (-)

Ion 151.00 (150.70 to 151.70): BE093407.D (-817) (-)

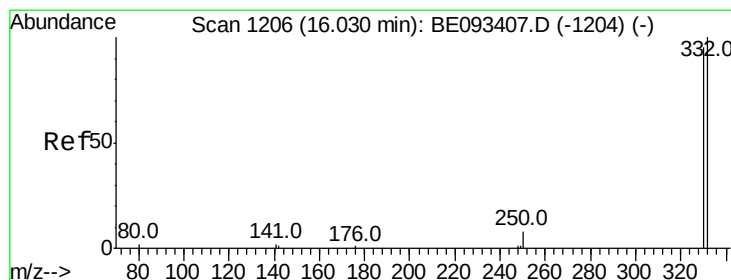
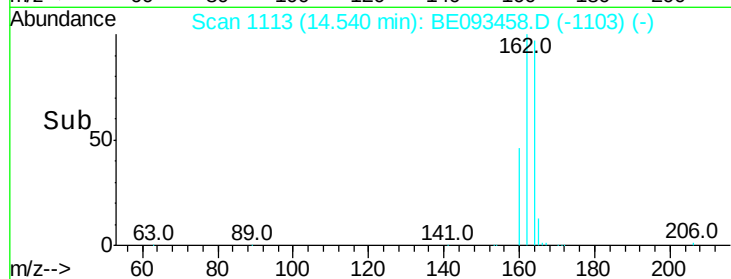
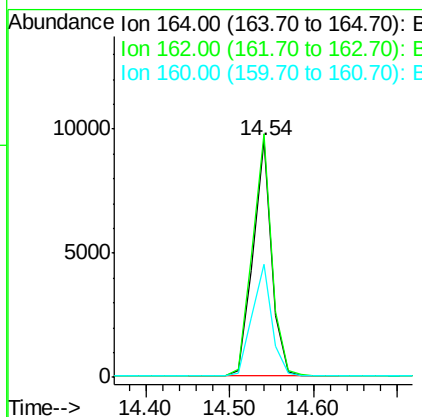
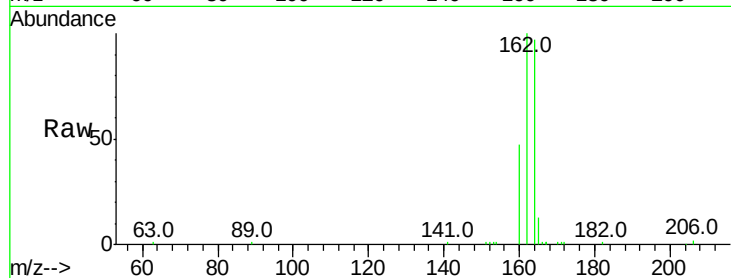




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

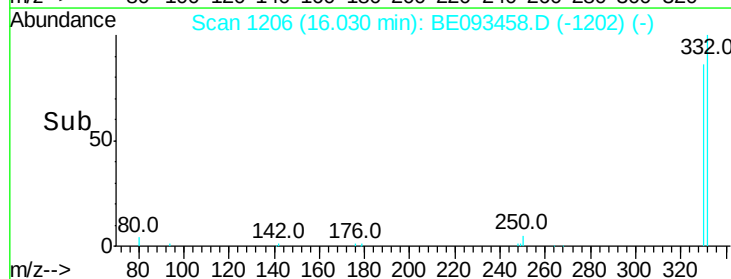
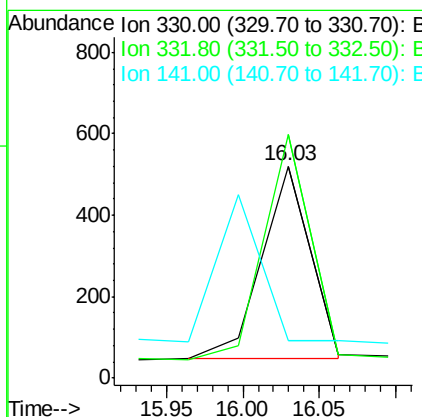
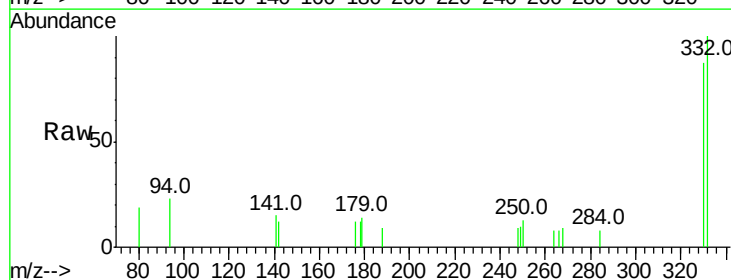
Instrument :
 BNA_E
 ClientSampleId :

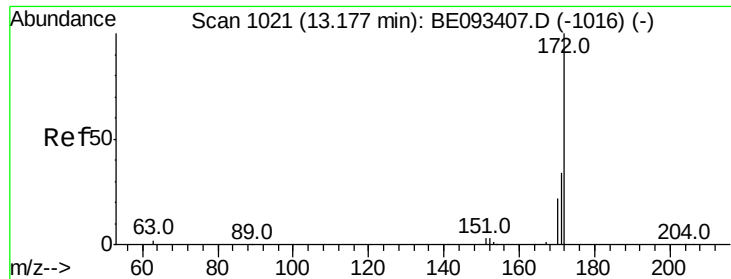
Tot Ion:164 Resp: 14773
 Ion Ratio Lower Upper
 164 100
 162 102.7 84.6 127.0
 160 47.8 41.8 62.6



#14
 2,4,6-Tribromophenol
 Concen: 0.226 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

Tgt Ion:330 Resp: 1050
 Ion Ratio Lower Upper
 330 100
 332 111.2 77.7 116.5
 141 0.0 56.2 84.4#

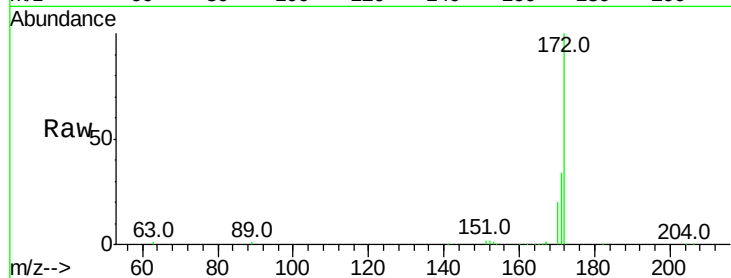




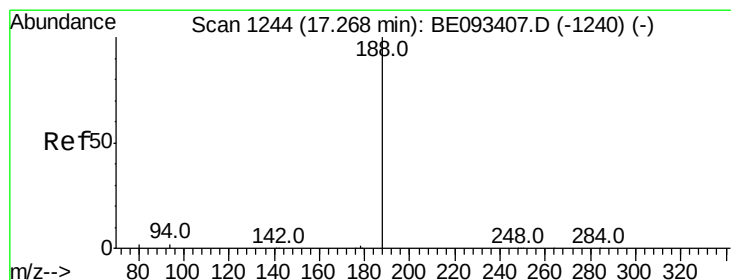
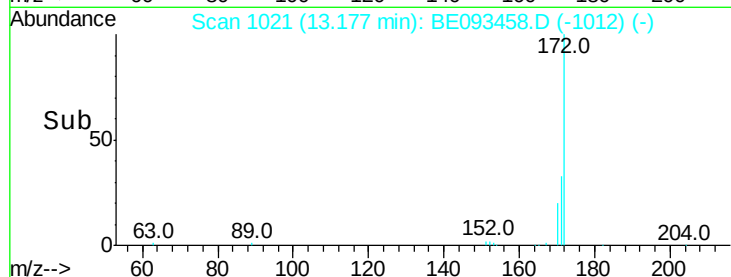
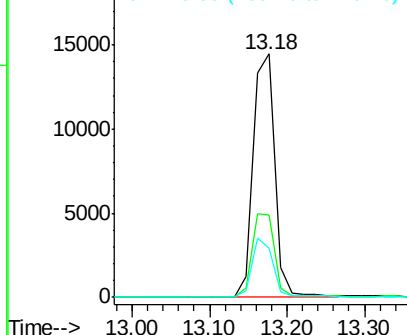
#15
2-Fluorobiphenyl
Concen: 0.483 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 27723
Ion Ratio Lower Upper
172 100
171 33.6 29.8 44.6
170 20.1 20.7 31.1#

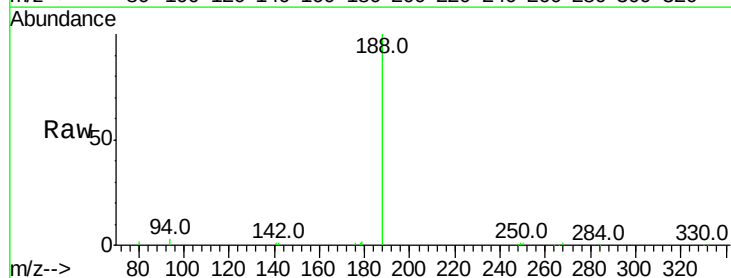


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

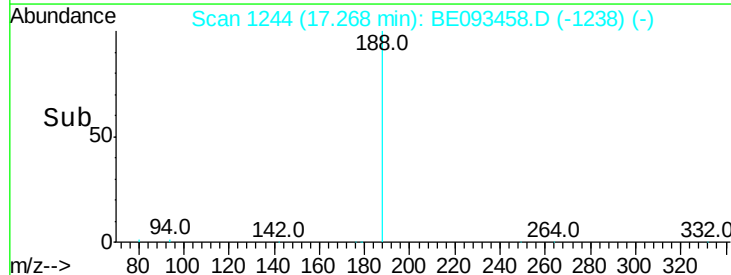
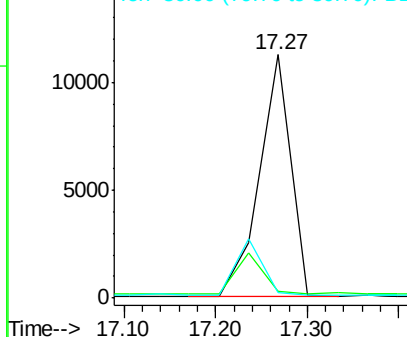


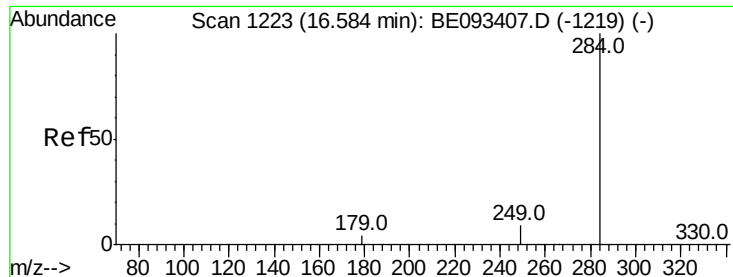
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

Tgt Ion:188 Resp: 27103
Ion Ratio Lower Upper
188 100
94 3.0 11.3 16.9#
80 2.3 11.7 17.5#



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

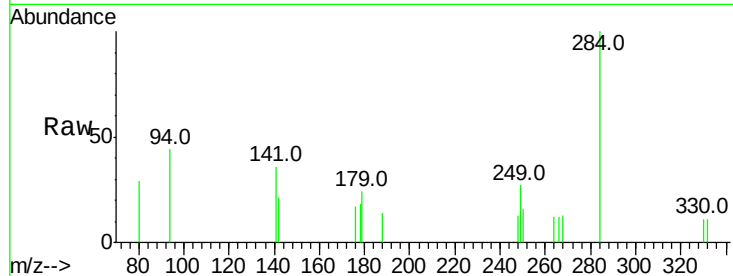




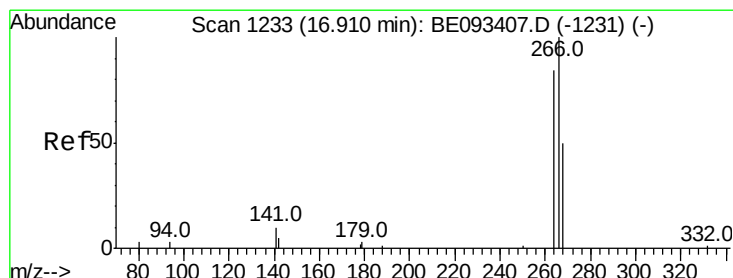
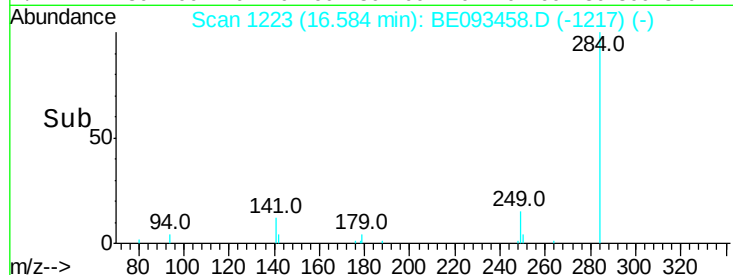
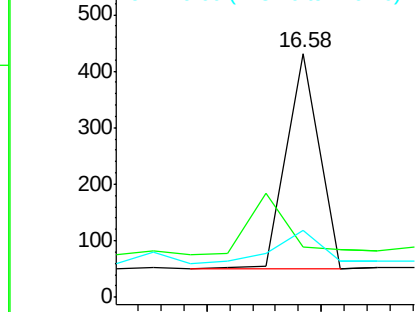
#21
Hexachlorobenzene
Concen: 0.047 ng
RT: 16.58 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 755
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 22.8 0.0 0.0#

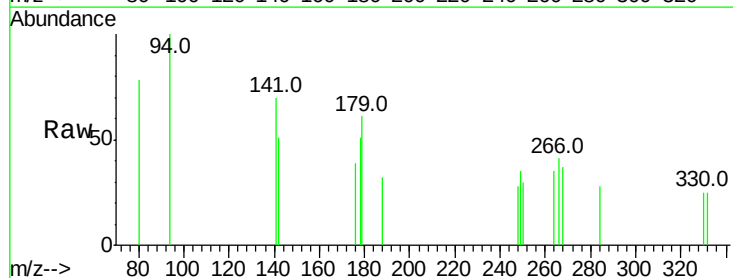


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

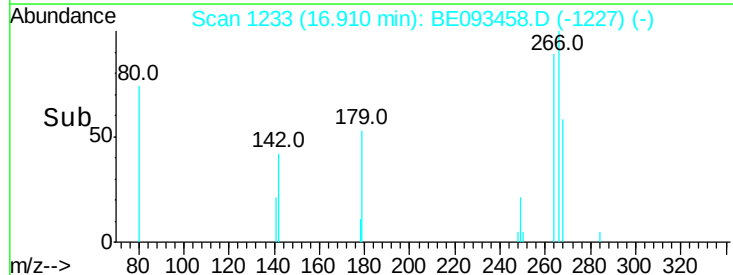
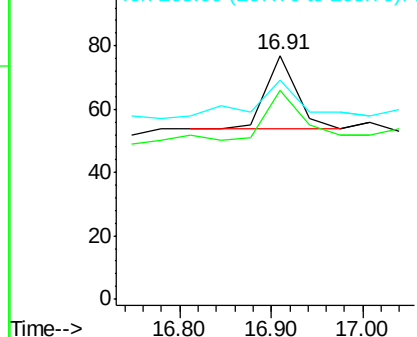


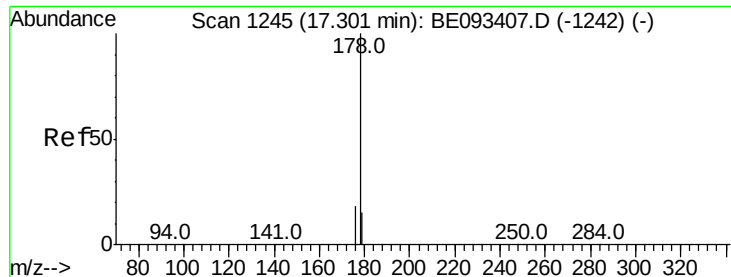
#22
Pentachlorophenol
Concen: Below Cal
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

Tgt Ion:266 Resp: 53
Ion Ratio Lower Upper
266 100
264 85.7 58.2 87.2
268 89.6 71.9 107.9



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: 0.022 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

ClientSampled :

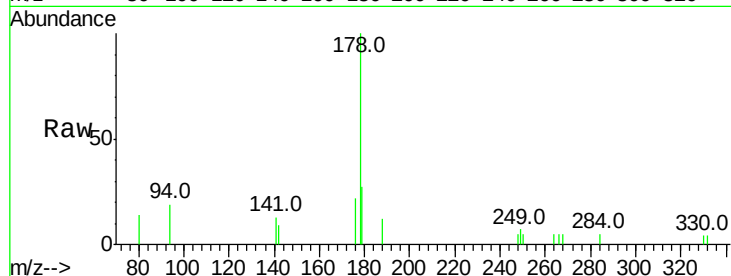
Tot Ion:178 Resp: 2122

Ion Ratio Lower Upper

178 100

176 17.6 15.0 22.4

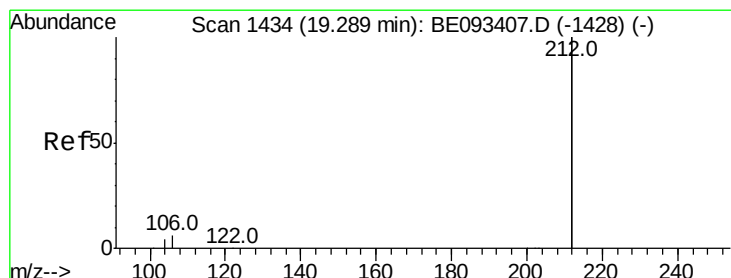
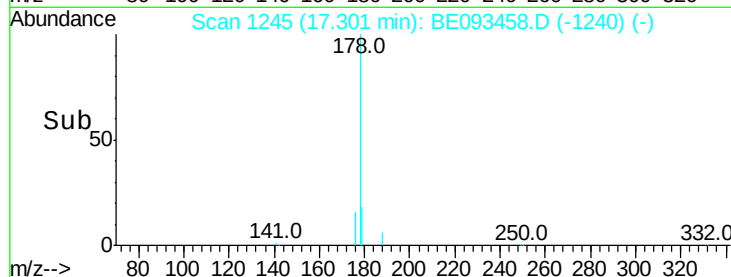
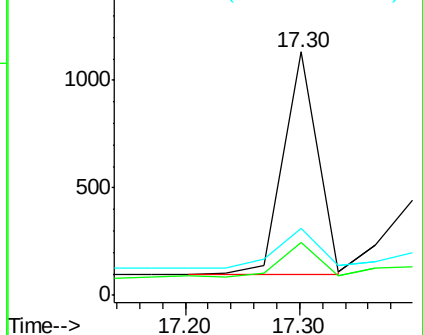
179 22.6 12.7 19.1#



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: 0.490 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

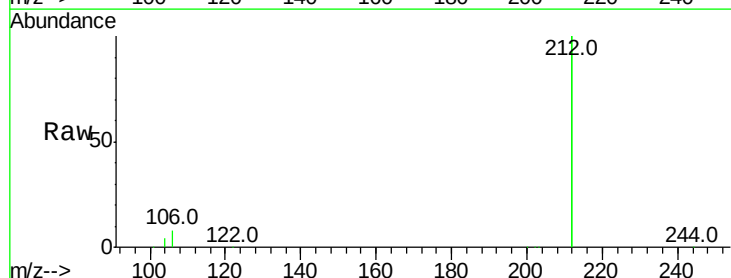
Tgt Ion:212 Resp: 160138

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

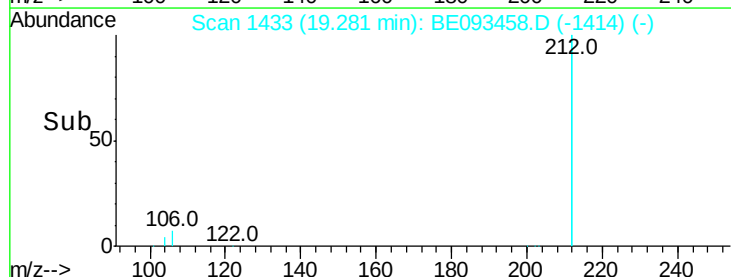
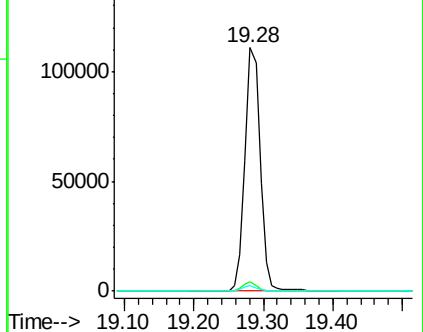
104 2.0 1.6 2.4

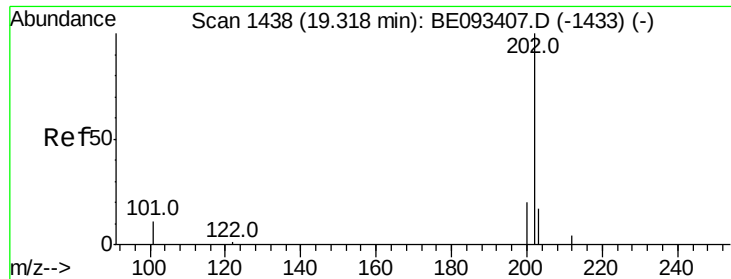


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

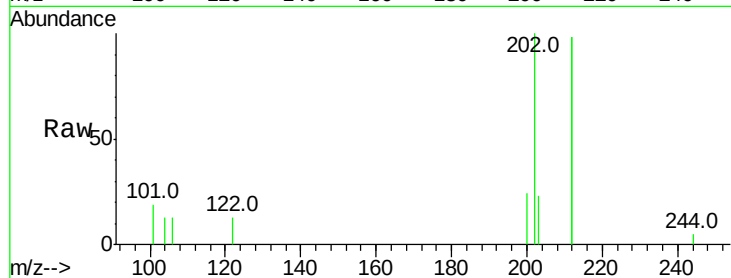




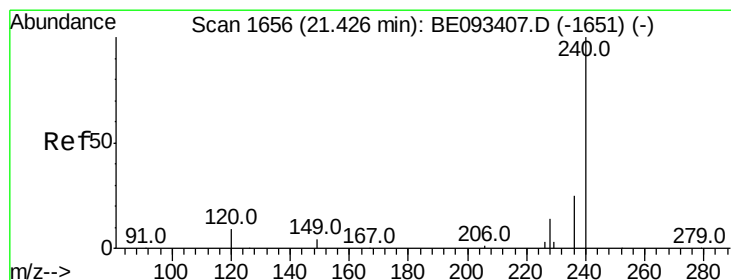
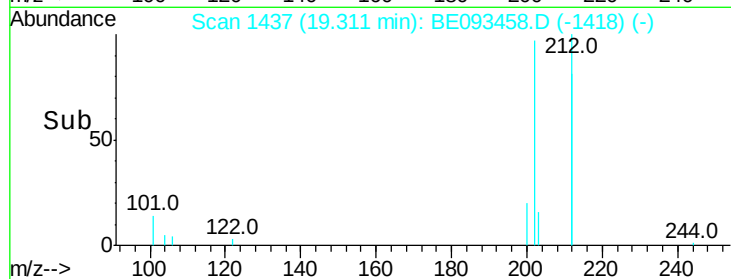
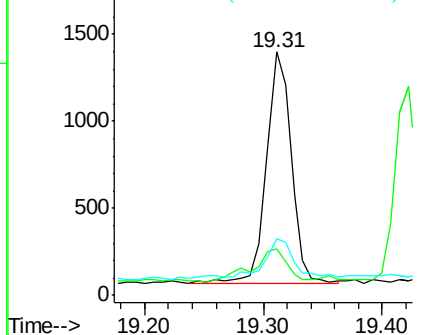
#26
 Fluoranthene
 Concen: 0.021 ng
 RT: 19.31 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	20.6	9.6	14.4#
203	19.2	14.4	21.6

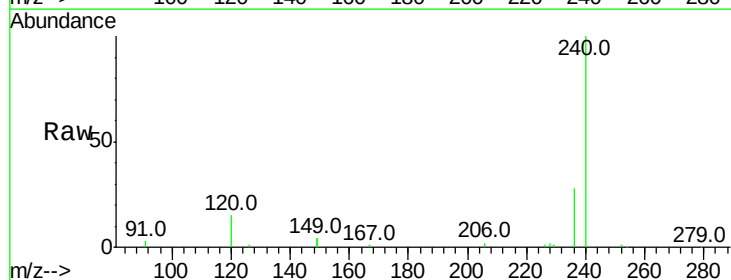


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

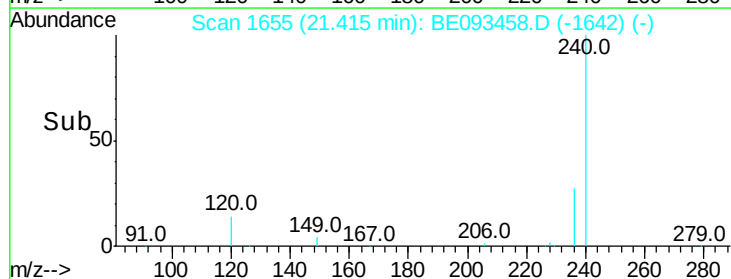
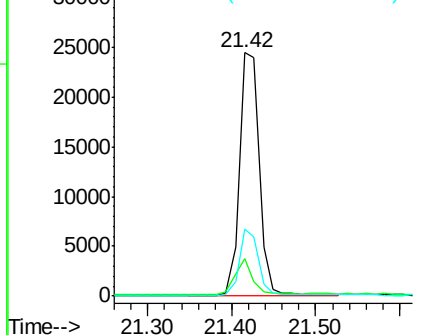


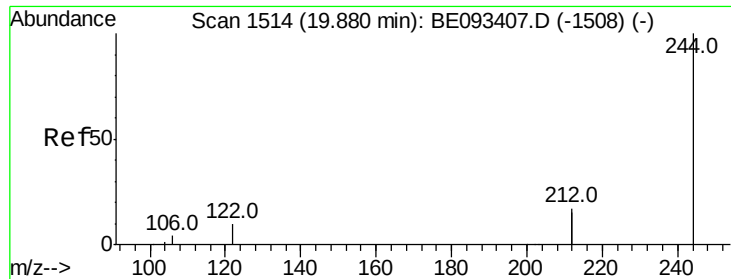
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	4.6	7.0#
236	27.6	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: 0.450 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

ClientSampleId :

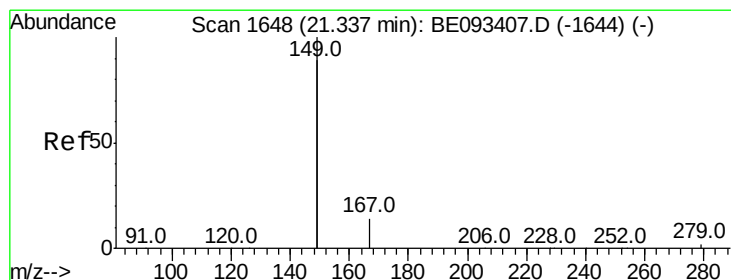
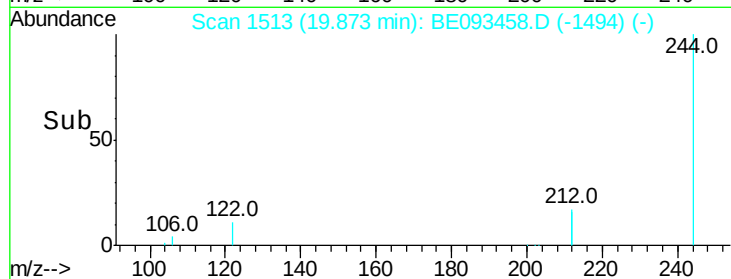
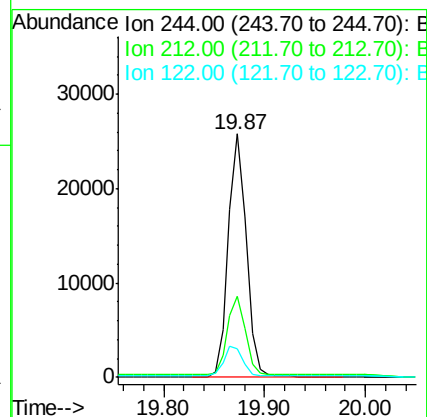
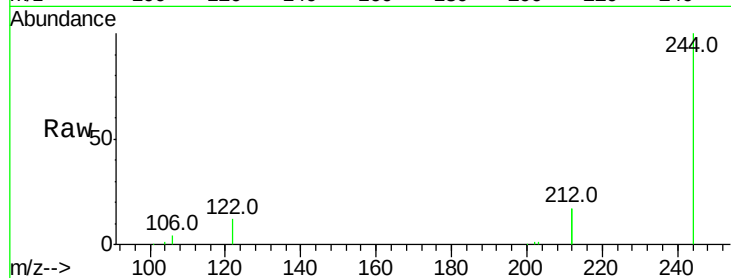
Tot Ion:244 Resp: 31963

Ion Ratio Lower Upper

244 100

212 33.5 10.6 16.0#

122 11.7 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.180 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

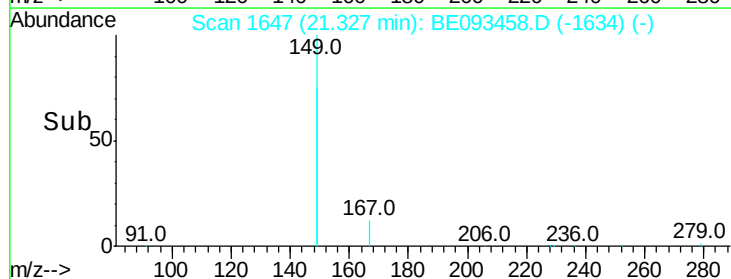
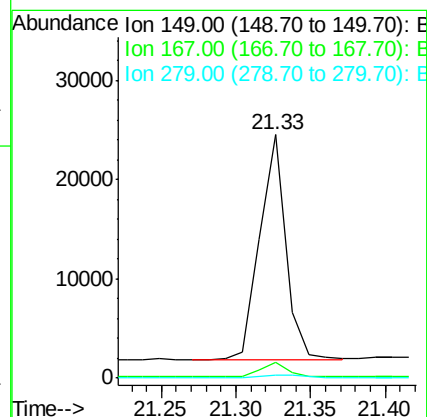
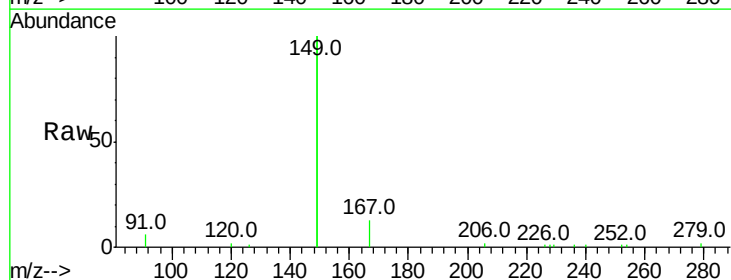
Tgt Ion:149 Resp: 27794

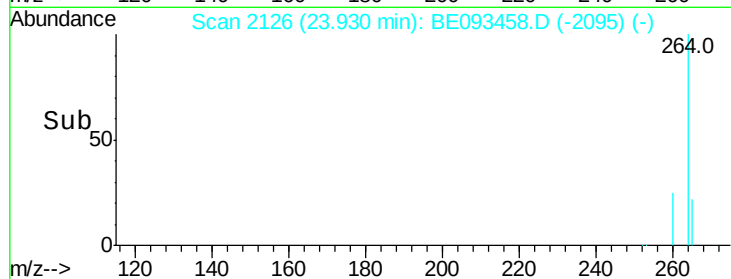
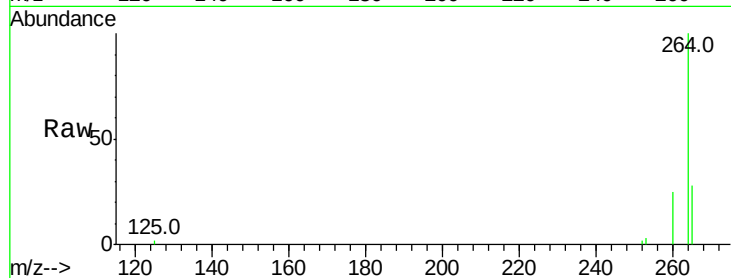
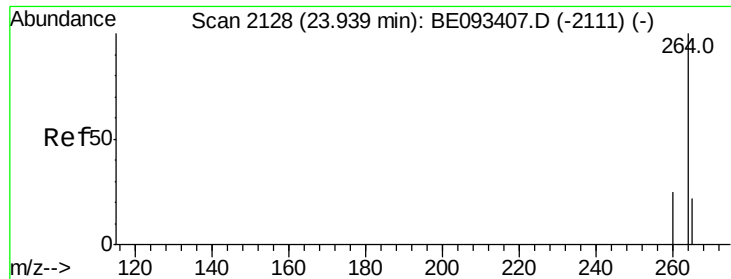
Ion Ratio Lower Upper

149 100

167 6.3 20.1 30.1#

279 1.1 2.2 3.4#





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 33747

Ion Ratio Lower Upper

264 100

260 25.3 21.0 31.4

265 27.9 24.6 36.8

