

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051617\
 Data File : BE093048.D
 Acq On : 16 May 2017 11:36
 Operator : SJ/MA
 Sample : I3079-05RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 18 00:53:29 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 15 13:35:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	875	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3800	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1971	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	6048	0.40	ng	0.00
27) Chrysene-d12	21.28	240	6003	0.40	ng	0.00
34) Perylene-d12	23.69	264	5040	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	148	0.06	ng	0.00
5) Phenol-d6	6.92	99	234	0.06	ng	0.00
8) Nitrobenzene-d5	8.88	82	1196	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1880	0.34	ng	0.01
14) 2,4,6-Tribromophenol	15.87	330	104	0.18	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	3676	0.45	ng	0.00
25) Fluoranthene-d10	19.14	212	5374	0.34	ng	0.00
29) Terphenyl-d14	19.74	244	8475	0.76	ng	0.00

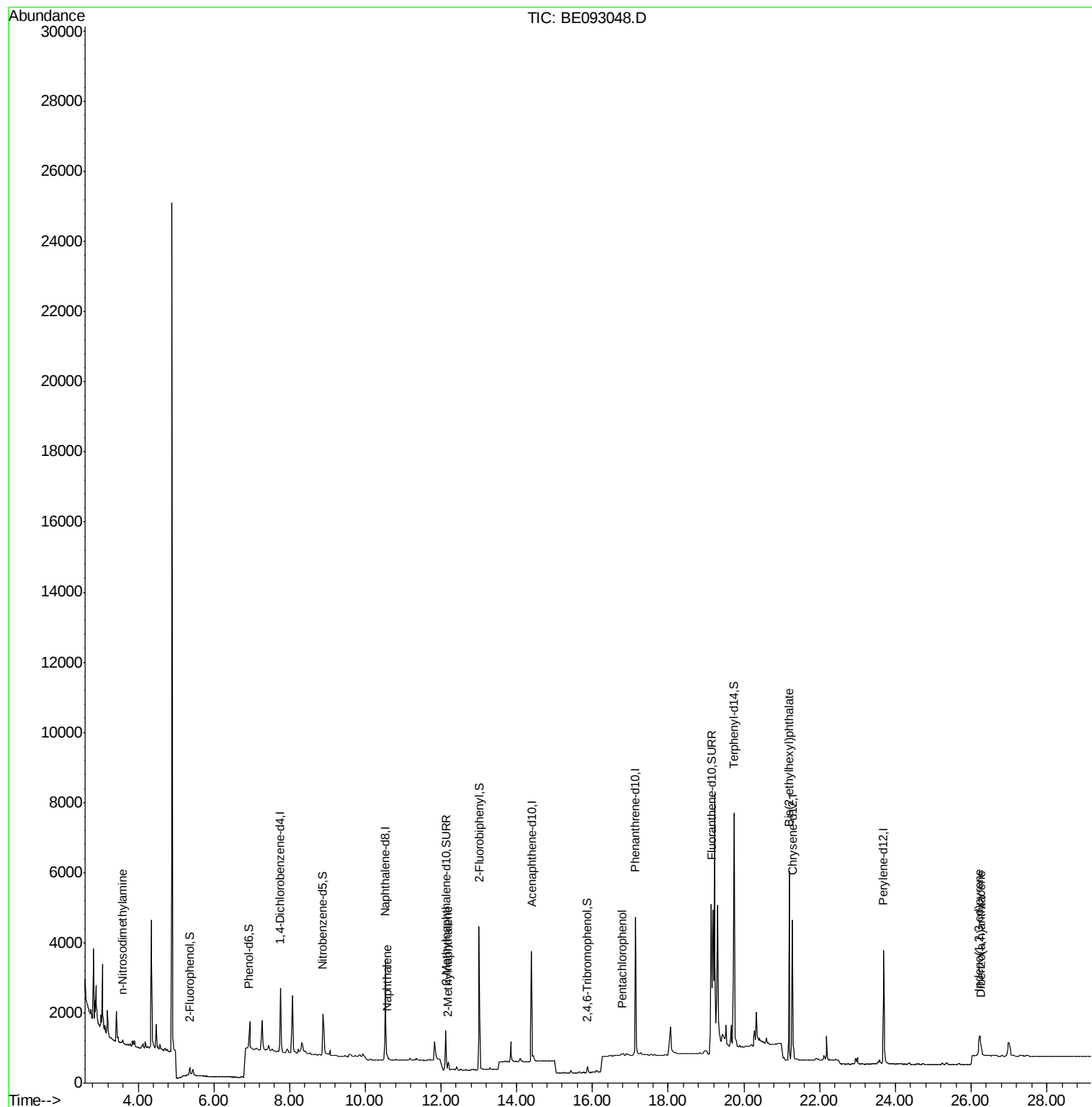
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	32	Below Cal	#	20
3) n-Nitrosodimethylamine	3.59	42	33	0.02	ng	# 1
9) Naphthalene	10.58	128	249	0.02	ng	# 42
12) 2-Methylnaphthalene	12.19	142	171	0.03	ng	# 89
21) Hexachlorobenzene	16.47	284	16	Below Cal	#	100
22) Pentachlorophenol	16.79	266	116	0.15	ng	# 88
23) Phenanthrene	17.16	178	155	Below Cal	#	86
24) Anthracene	17.28	178	105	Below Cal	#	91
32) Bis(2-ethylhexyl)phthalate	21.20	149	5082	0.60	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.22	276	1374	0.02	ng	# 100
38) Dibenzo(a,h)anthracene	26.25	278	321	0.02	ng	# 31

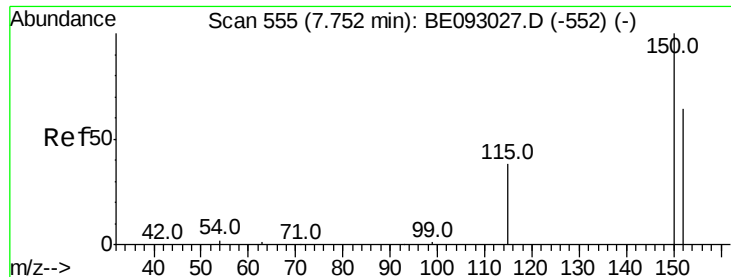
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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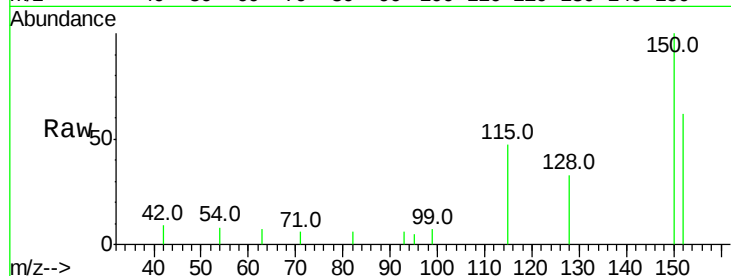


#1

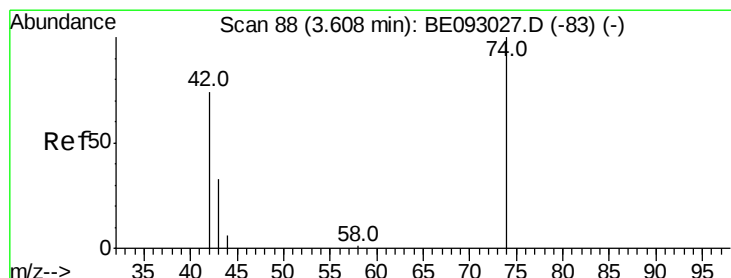
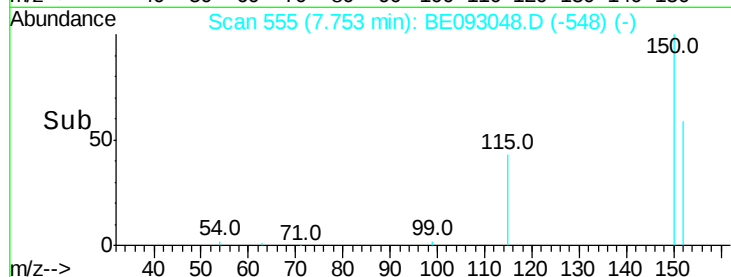
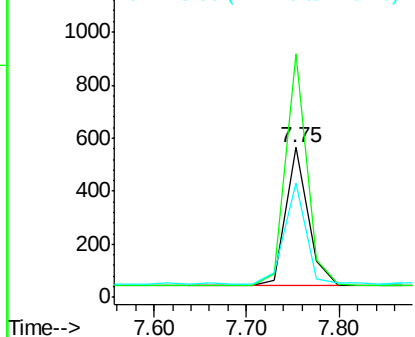
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093048.D
Acq: 16 May 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 875
Ion Ratio Lower Upper
152 100
150 162.5 125.1 187.7
115 76.1 55.7 83.5



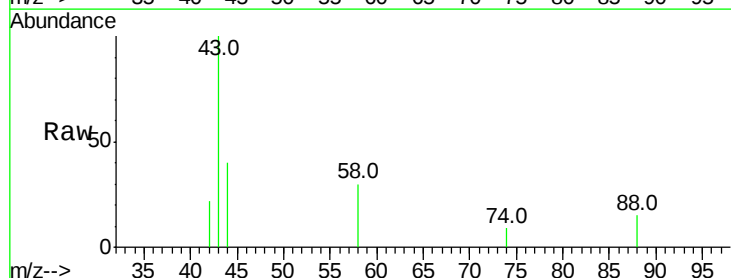
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



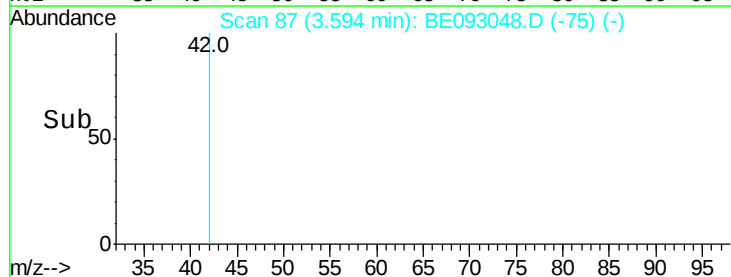
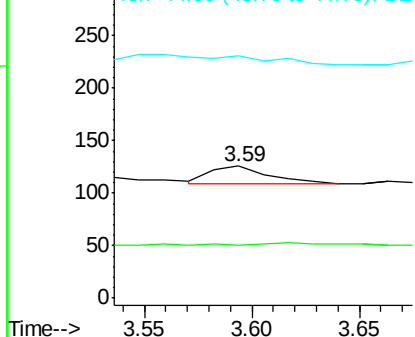
#3

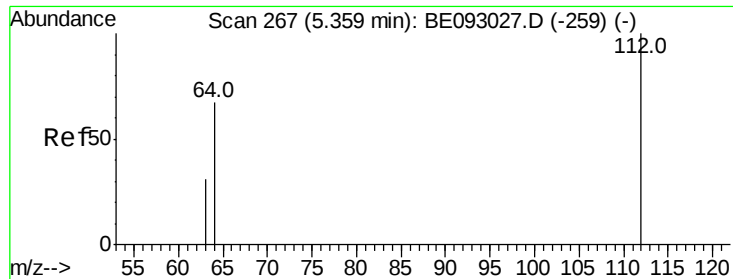
n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 3.59 min Scan# 87
Delta R.T. -0.01 min
Lab File: BE093048.D
Acq: 16 May 2017 11:36

Tgt Ion: 42 Resp: 33
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: 0.06 ng

RT: 5.37 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

Instrument :

BNA_E

ClientSampled :

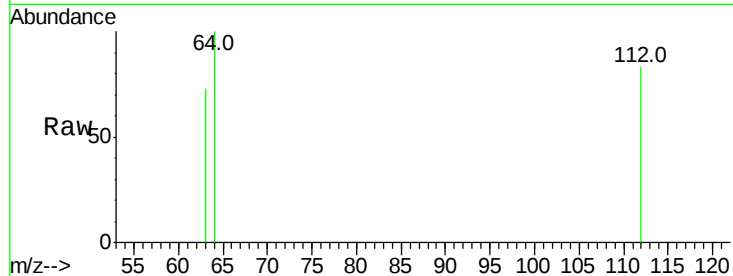
Tot Ion:112 Resp: 148

Ion Ratio Lower Upper

112 100

64 129.1 56.4 84.6#

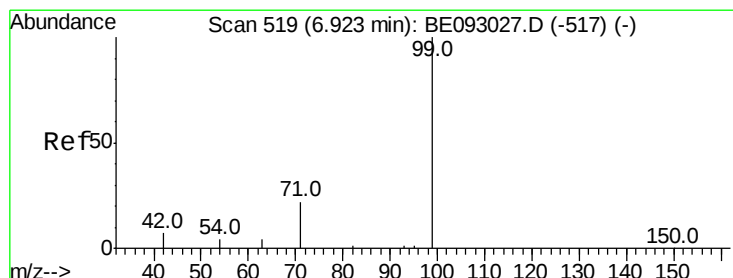
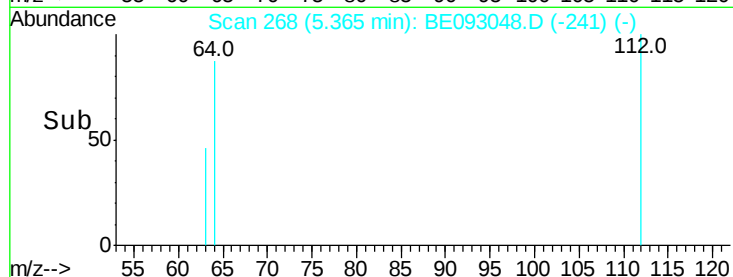
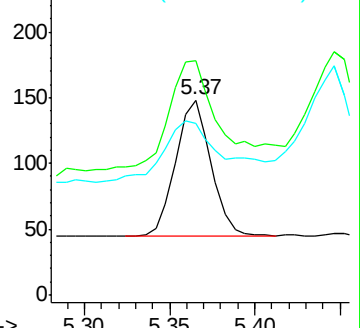
63 79.7 29.3 43.9#



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: 0.06 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

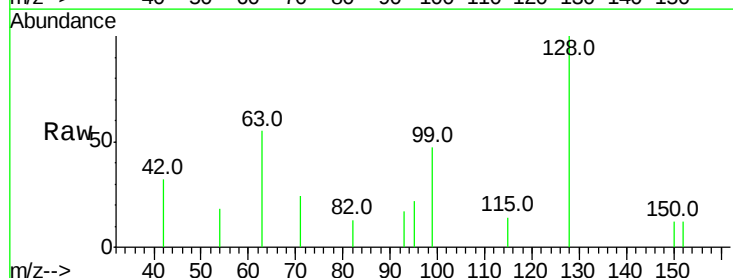
Tgt Ion: 99 Resp: 234

Ion Ratio Lower Upper

99 100

42 73.1 0.0 0.0#

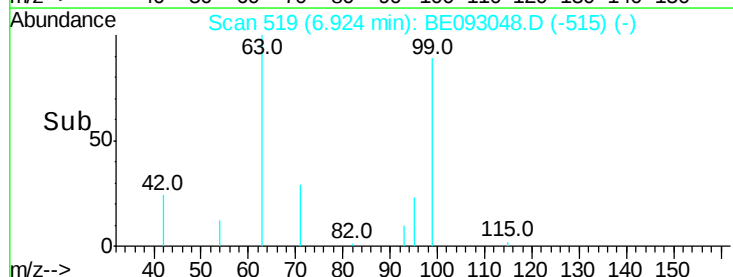
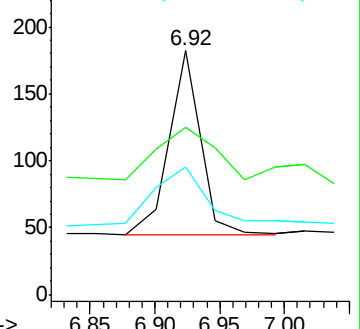
71 49.6 0.0 0.0#

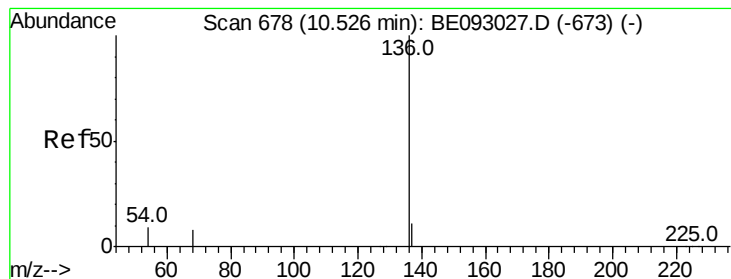


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3800

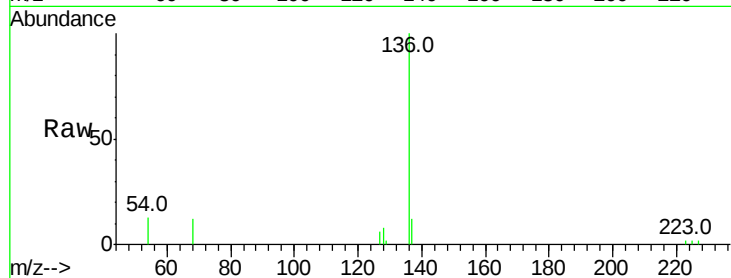
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.8

54 12.9 10.3 15.5

68 12.2 9.0 13.4

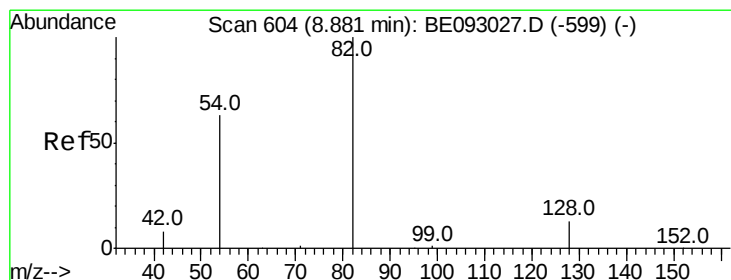
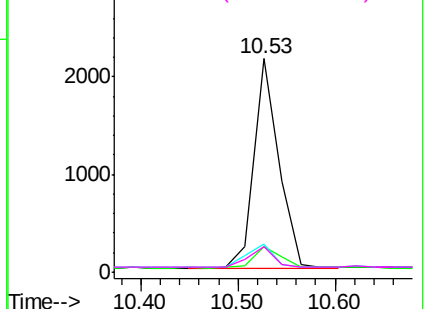
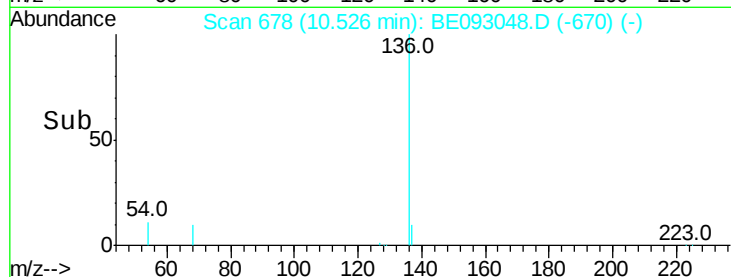


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.36 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

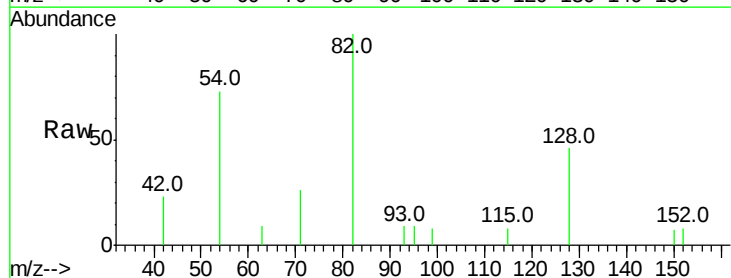
Tgt Ion: 82 Resp: 1196

Ion Ratio Lower Upper

82 100

128 46.4 17.0 25.4#

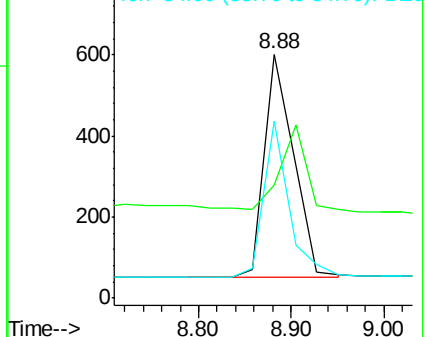
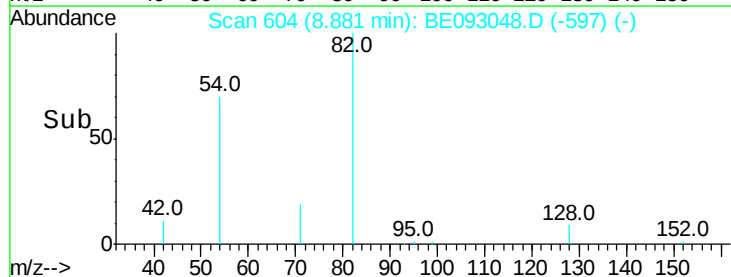
54 72.5 53.8 80.6

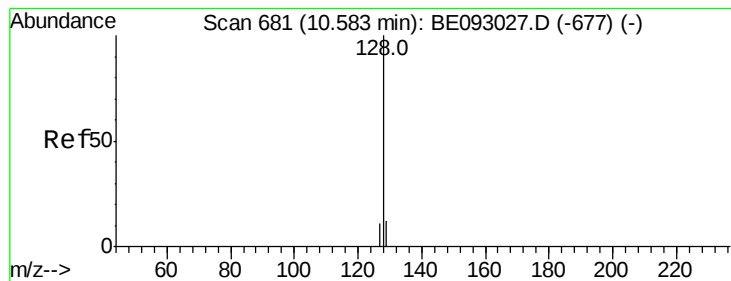


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.02 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

Instrument :

BNA_E

ClientSampleId :

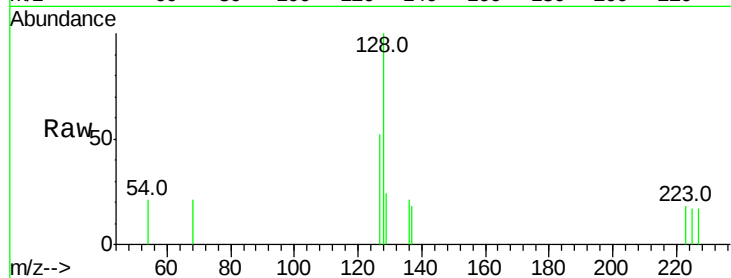
Tot Ion:128 Resp: 249

Ion Ratio Lower Upper

128 100

129 23.5 11.4 17.0#

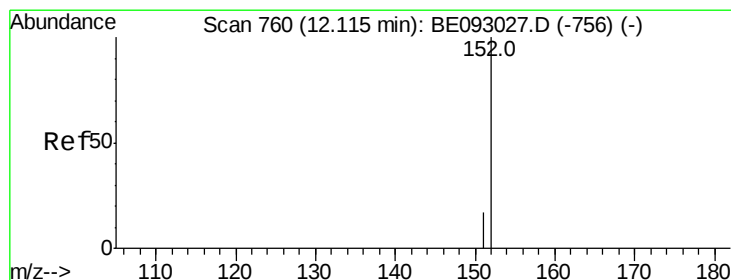
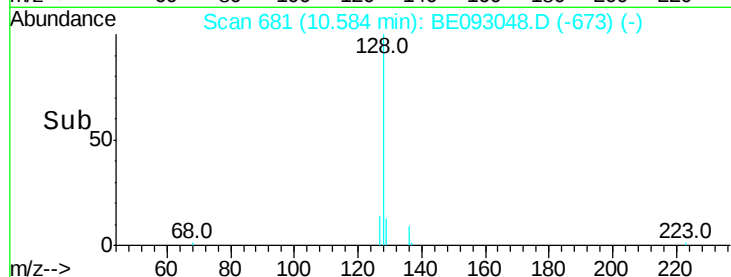
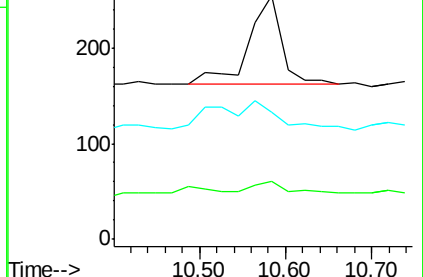
127 52.2 11.2 16.8#



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



#11

2-Methylnaphthalene-d10

Concen: 0.34 ng

RT: 12.13 min Scan# 761

Delta R.T. 0.01 min

Lab File: BE093048.D

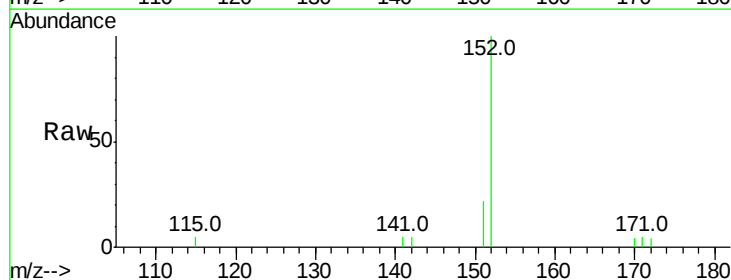
Acq: 16 May 2017 11:36

Tgt Ion:152 Resp: 1880

Ion Ratio Lower Upper

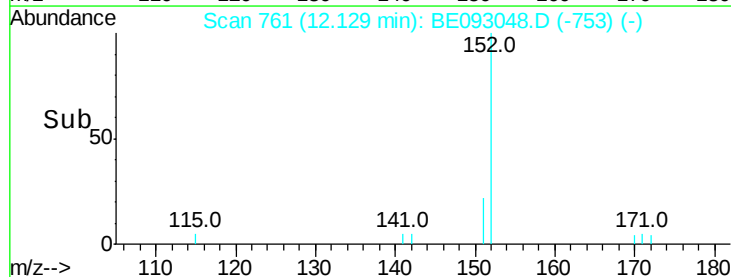
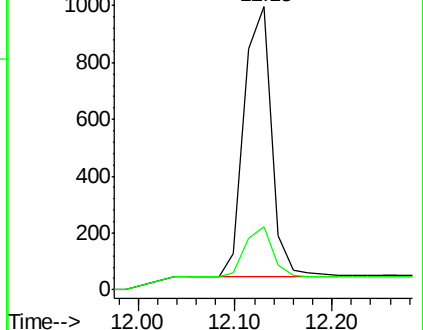
152 100

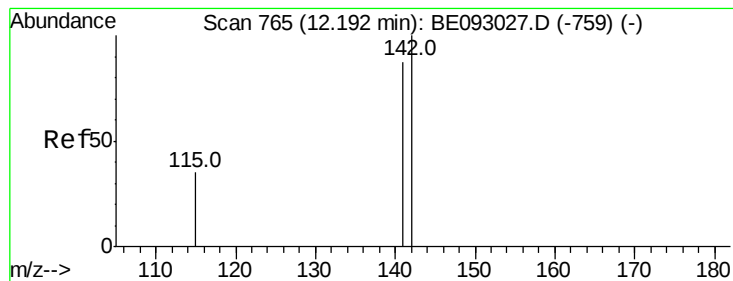
151 19.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

Instrument :

BNA_E

ClientSampleId :

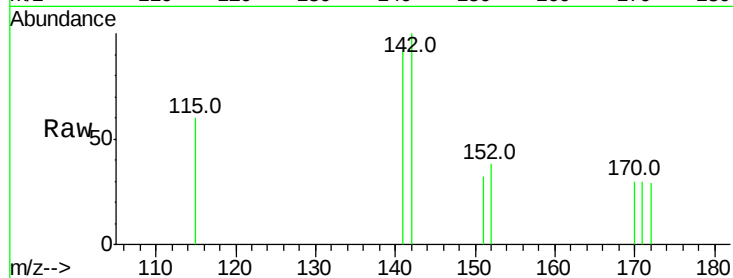
Tot Ion:142 Resp: 171

Ion Ratio Lower Upper

142 100

141 92.0 72.6 108.8

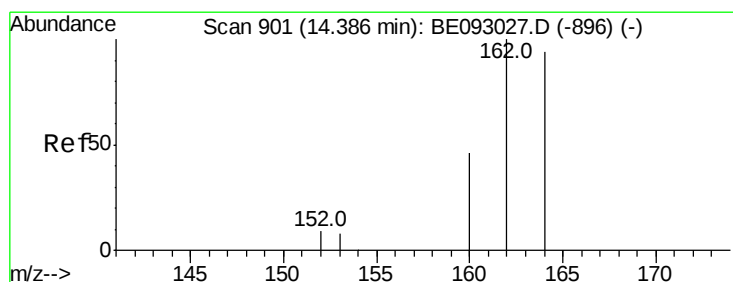
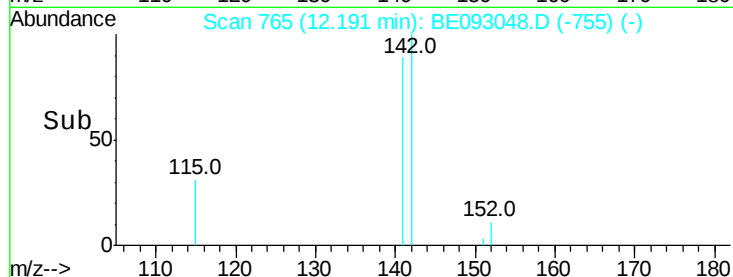
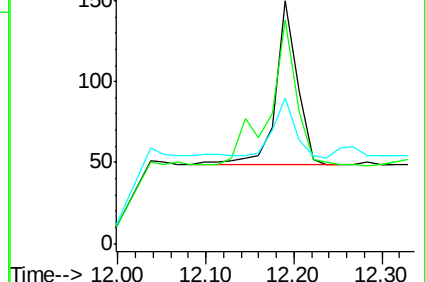
115 60.0 32.2 48.2#



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



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

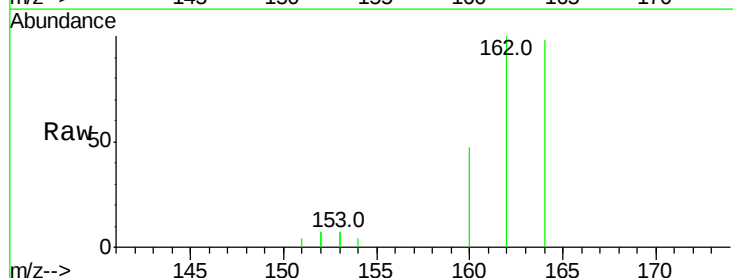
Tgt Ion:164 Resp: 1971

Ion Ratio Lower Upper

164 100

162 102.5 84.6 127.0

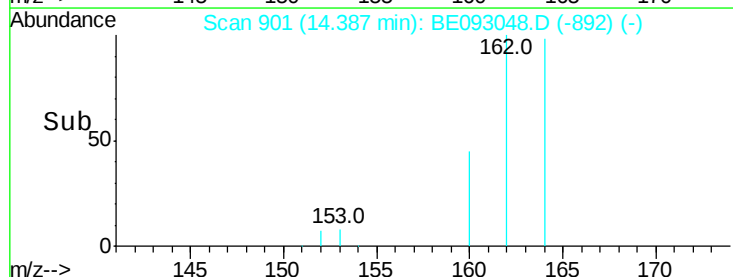
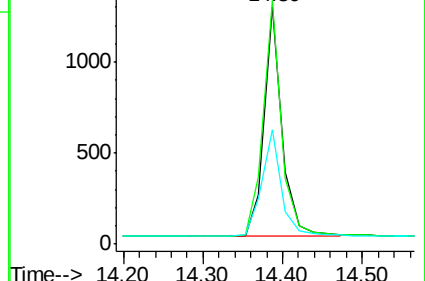
160 48.3 41.8 62.6

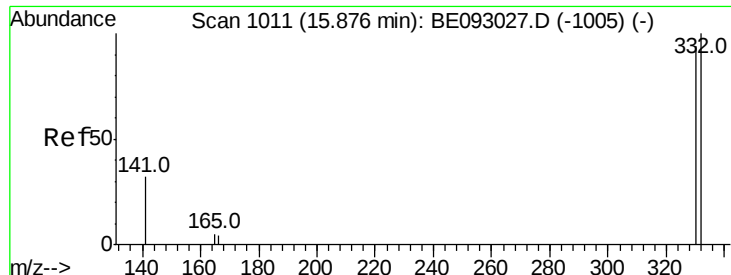


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

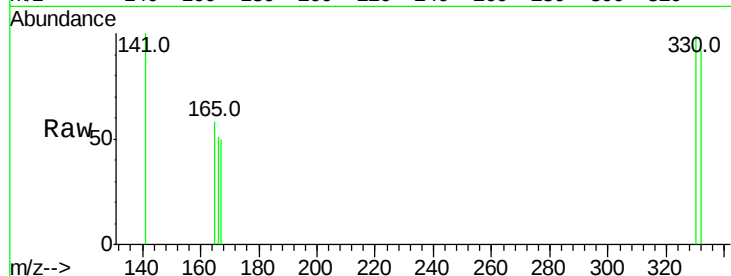




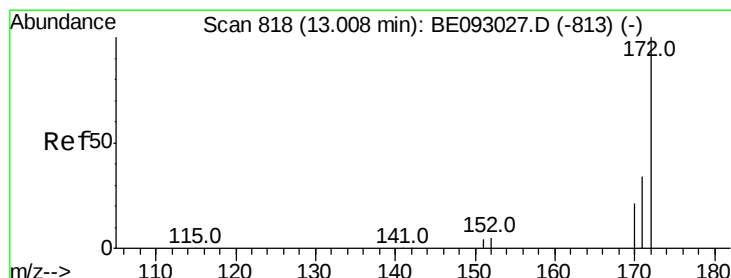
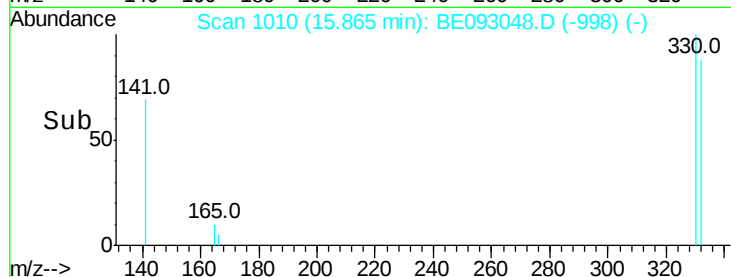
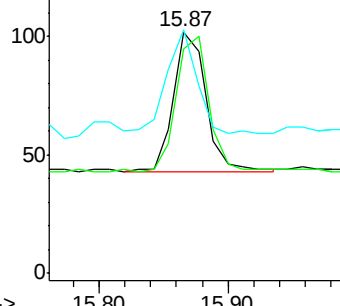
#14
 2,4,6-Tribromophenol
 Concen: 0.18 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE093048.D
 Acq: 16 May 2017 11:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 104
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.7 116.5
 141 72.1 56.2 84.4

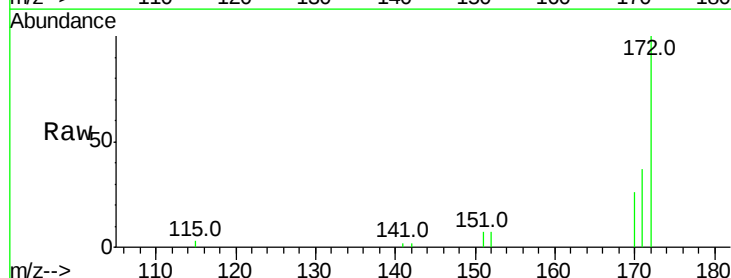


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

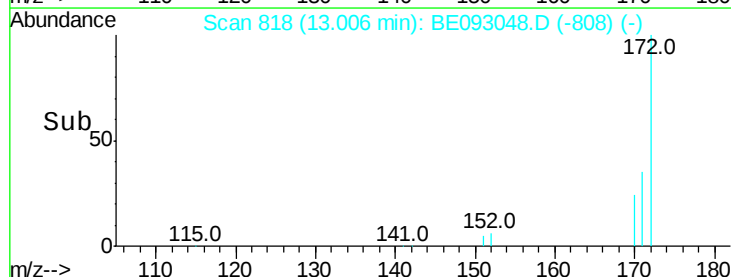
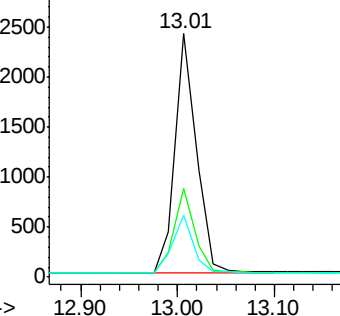


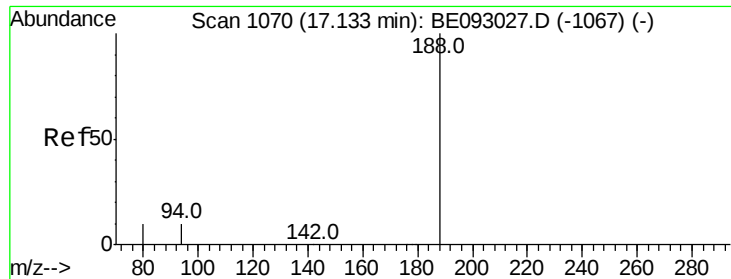
#15
 2-Fluorobiphenyl
 Concen: 0.45 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093048.D
 Acq: 16 May 2017 11:36

Tgt Ion:172 Resp: 3676
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.8 44.6
 170 25.6 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

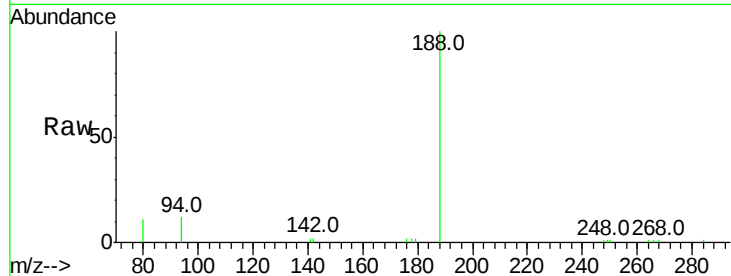




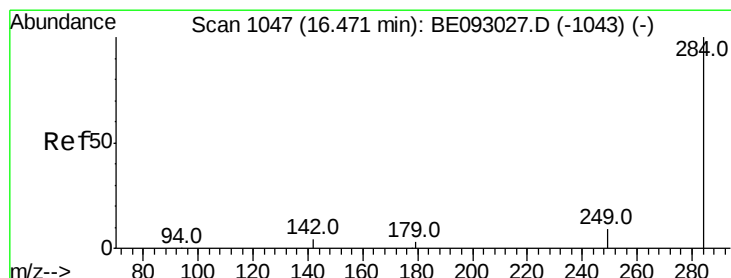
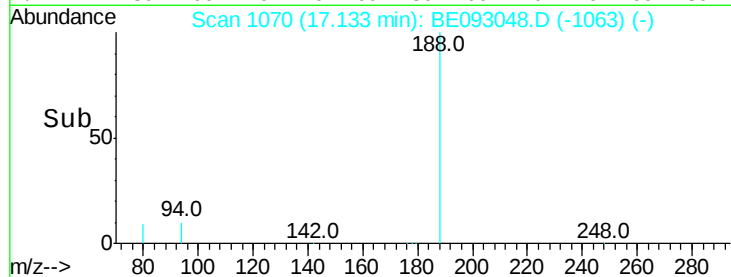
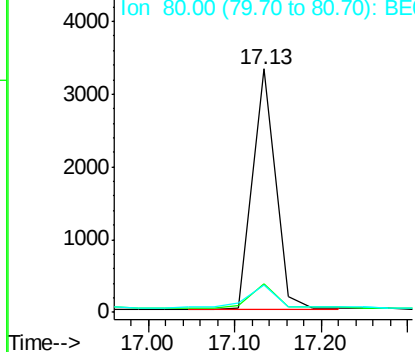
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093048.D
Acq: 16 May 2017 11:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 6048
Ion Ratio Lower Upper
188 100
94 11.6 11.3 16.9
80 11.4 11.7 17.5#

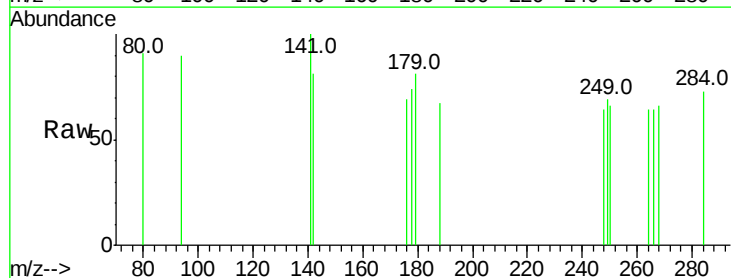


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

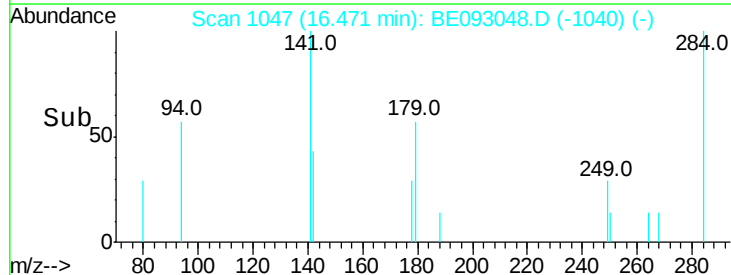
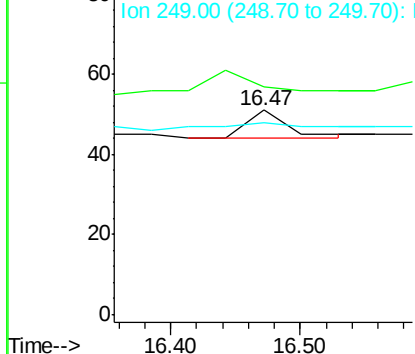


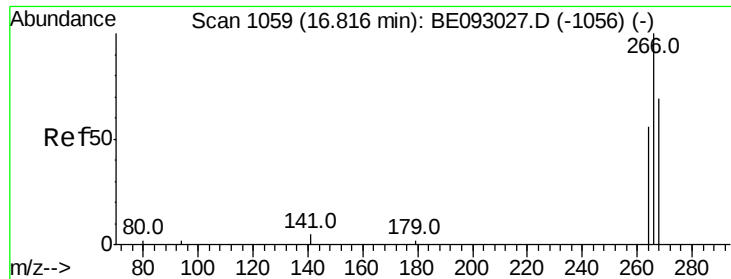
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.47 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE093048.D
Acq: 16 May 2017 11:36

Tgt Ion:284 Resp: 16
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 62.5 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: 0.15 ng

RT: 16.79 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

Instrument :

BNA_E

ClientSampleId :

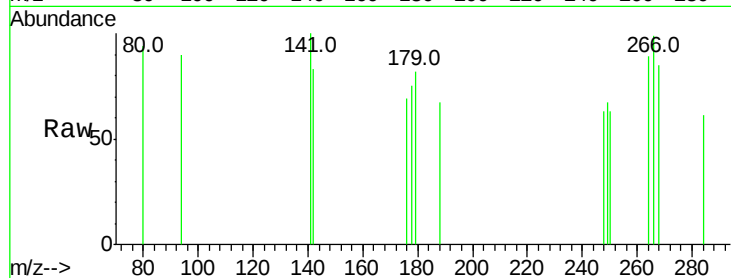
Tot Ion:266 Resp: 116

Ion Ratio Lower Upper

266 100

264 90.1 58.2 87.2#

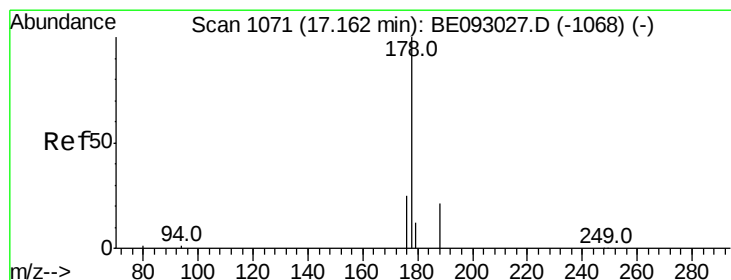
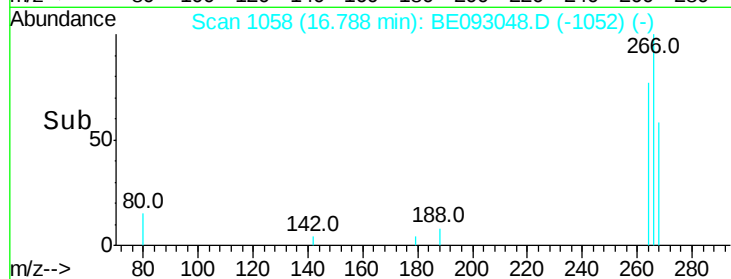
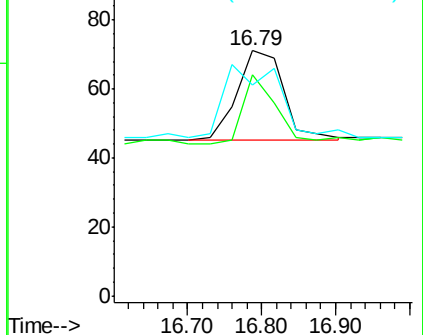
268 85.9 71.9 107.9



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: Below Cal

RT: 17.16 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

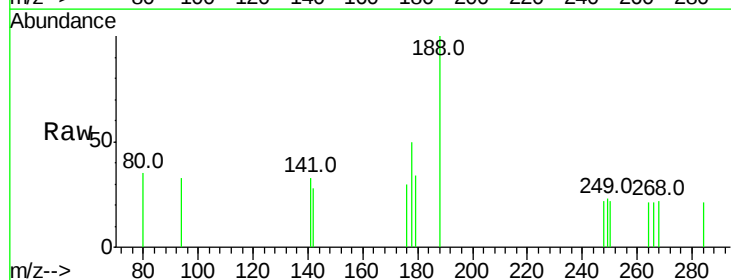
Tgt Ion:178 Resp: 155

Ion Ratio Lower Upper

178 100

176 24.5 15.0 22.4#

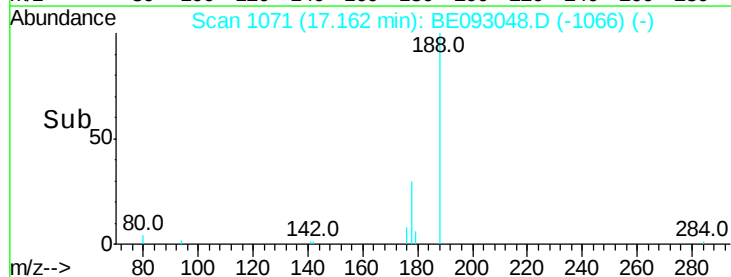
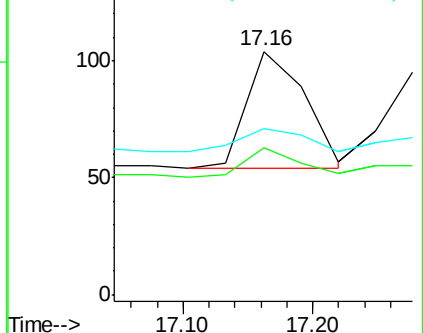
179 22.6 12.7 19.1#

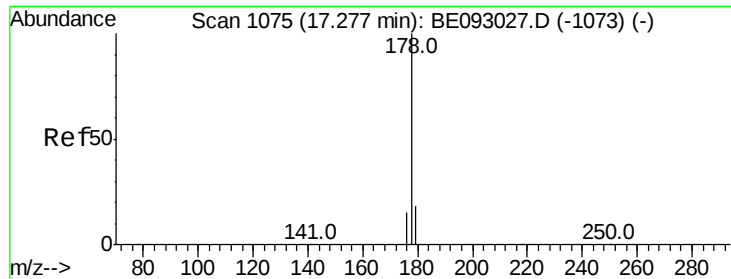


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: Below Cal

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

Instrument :

BNA_E

ClientSampled :

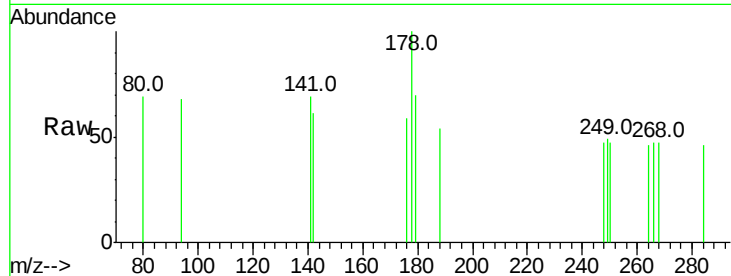
Tot Ion:178 Resp: 105

Ion Ratio Lower Upper

178 100

176 15.2 14.6 22.0

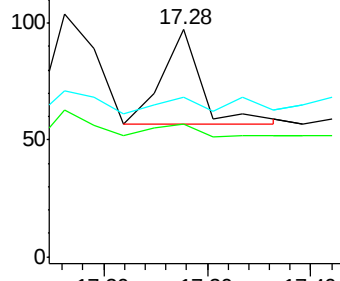
179 20.0 12.0 18.0#



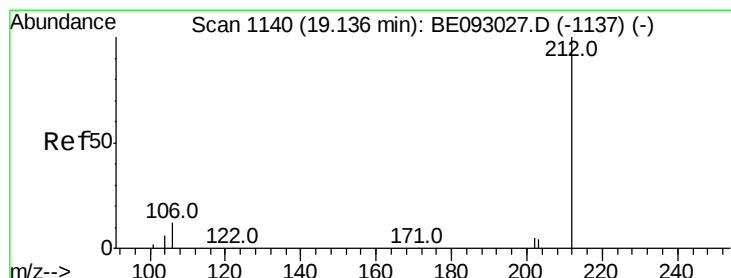
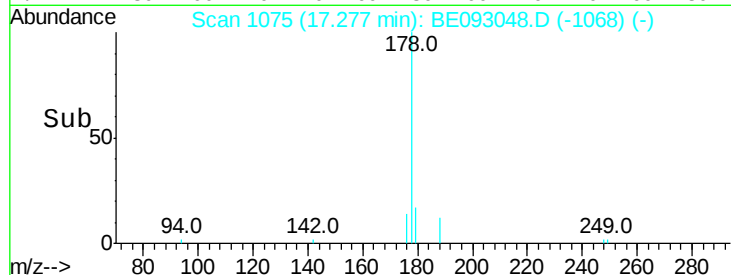
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.34 ng

RT: 19.14 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

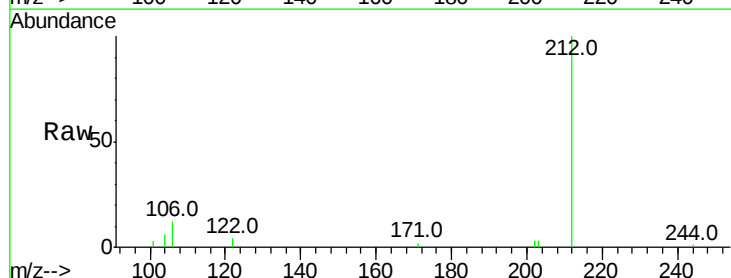
Tgt Ion:212 Resp: 5374

Ion Ratio Lower Upper

212 100

106 16.5 0.0 0.0#

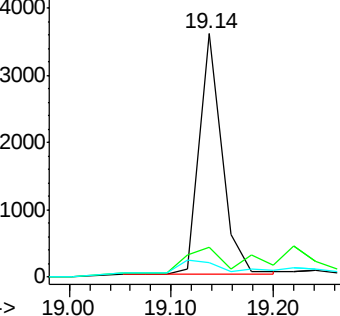
104 0.0 0.0 0.0



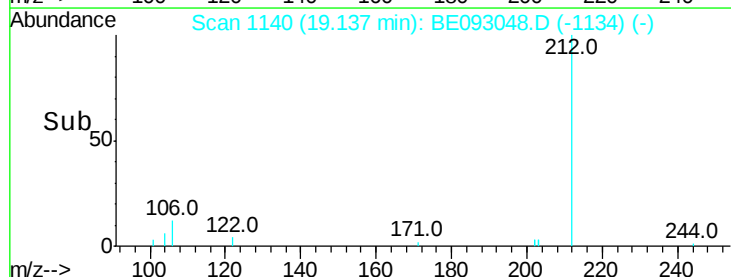
Abundance Ion 212.00 (211.70 to 212.70): E

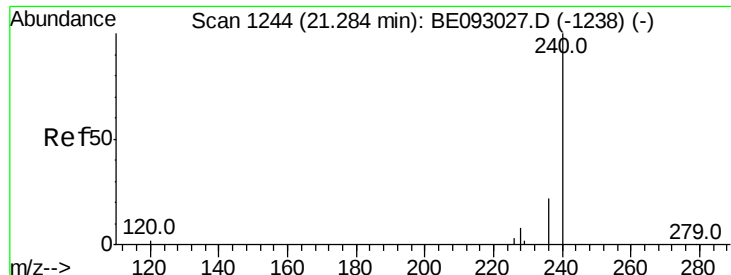
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

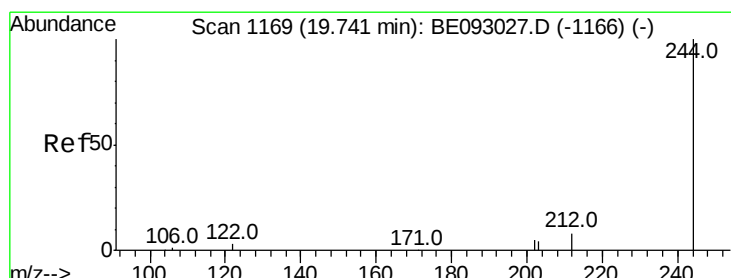
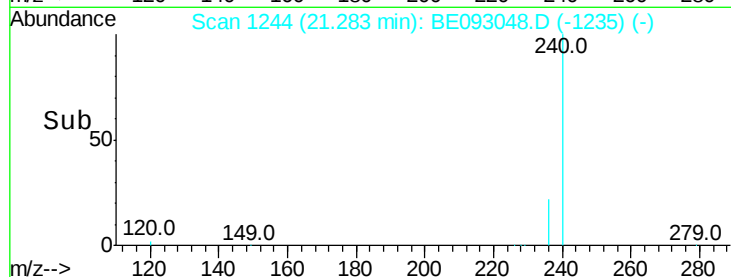
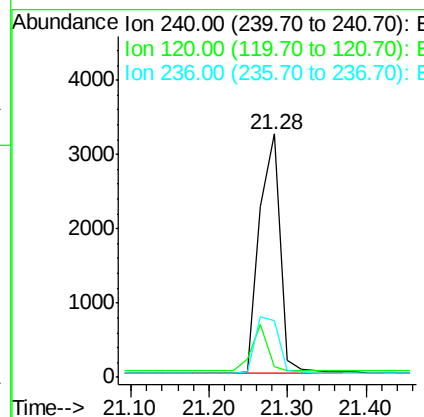
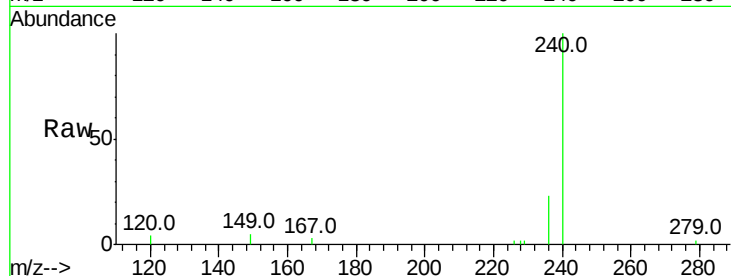




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093048.D
Acq: 16 May 2017 11:36

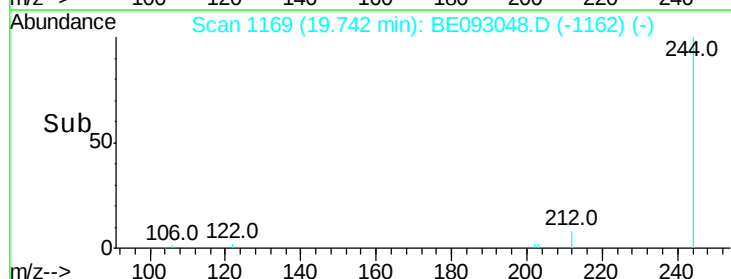
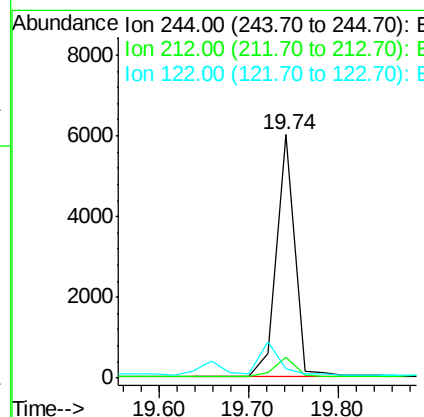
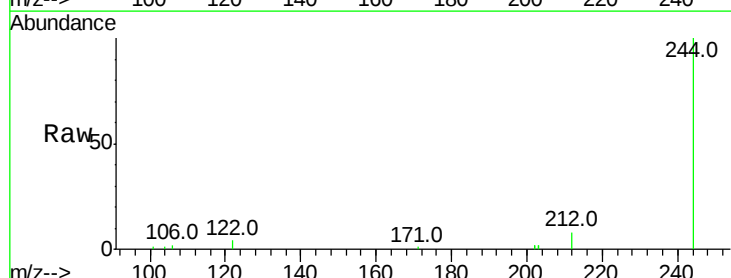
Instrument :
BNA_E
ClientSampleId :

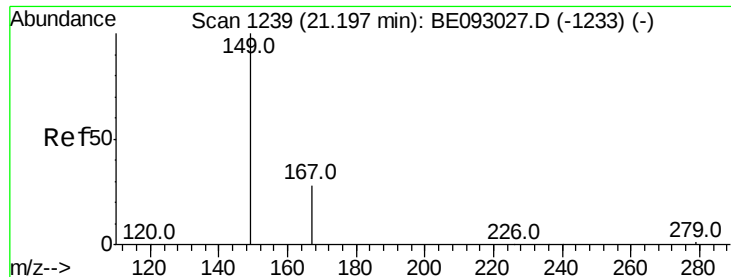
Tot Ion:240 Resp: 6003
Ion Ratio Lower Upper
240 100
120 4.2 4.6 7.0#
236 23.2 20.8 31.2



#29
Terphenyl-d14
Concen: 0.76 ng
RT: 19.74 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BE093048.D
Acq: 16 May 2017 11:36

Tgt Ion:244 Resp: 8475
Ion Ratio Lower Upper
244 100
212 8.4 10.6 16.0#
122 3.6 15.4 23.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.60 ng

RT: 21.20 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

Instrument :

BNA_E

ClientSampleId :

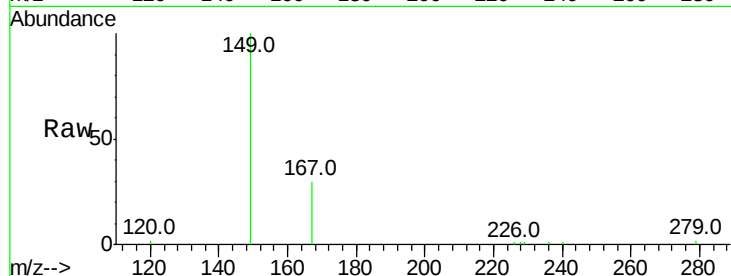
Tot Ion:149 Resp: 5082

Ion Ratio Lower Upper

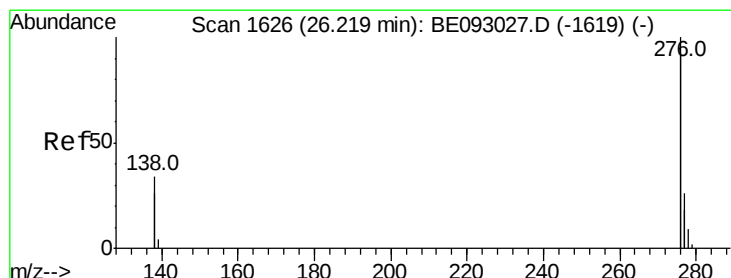
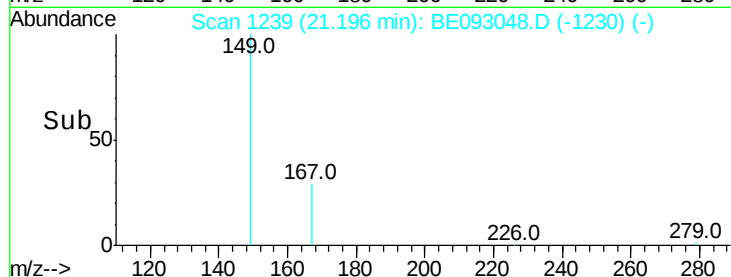
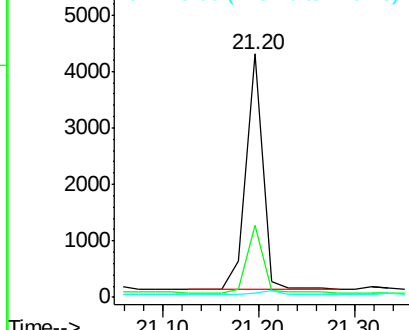
149 100

167 27.2 20.1 30.1

279 2.1 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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 26.22 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE093048.D

Acq: 16 May 2017 11:36

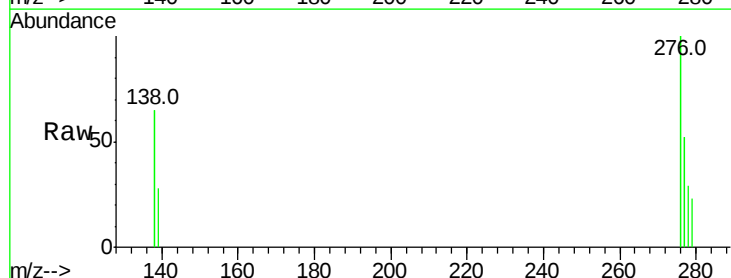
Tgt Ion:276 Resp: 1374

Ion Ratio Lower Upper

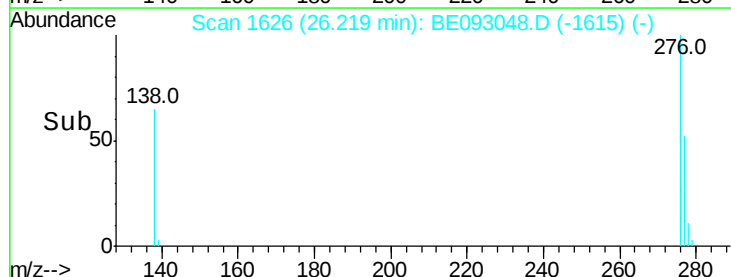
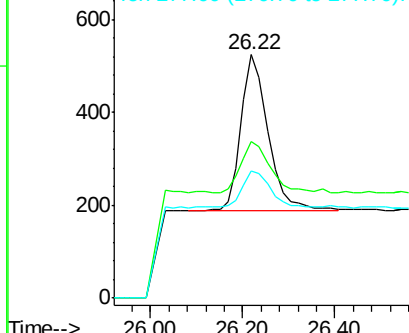
276 100

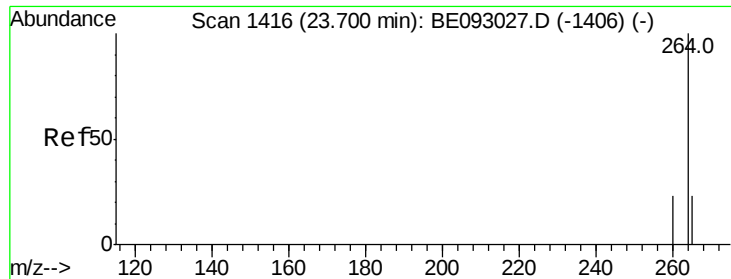
138 34.5 27.4 41.2

277 24.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

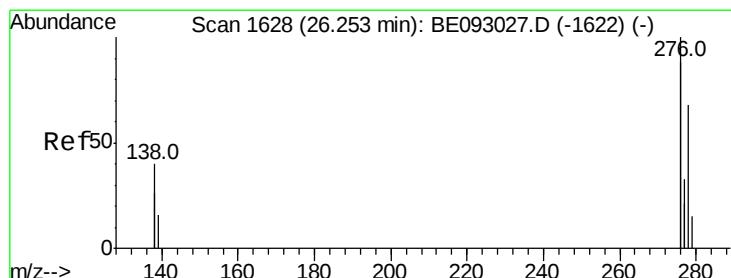
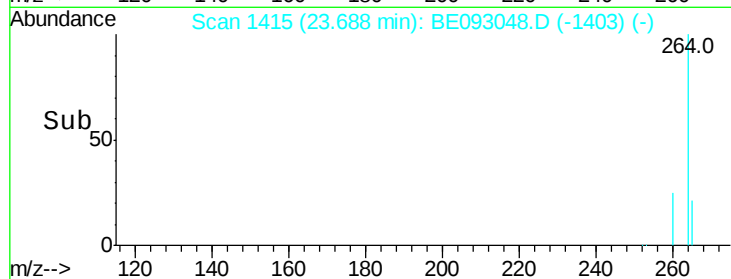
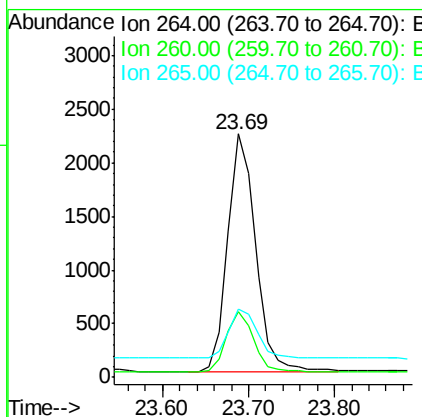
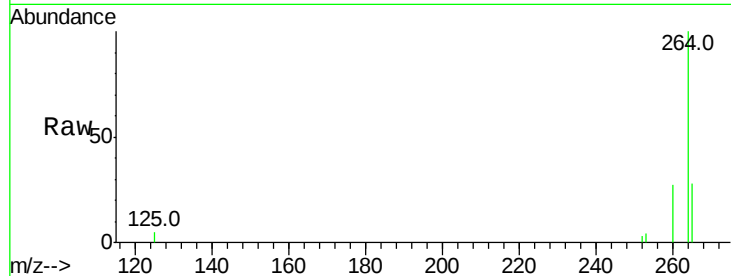




#34
 Pervlene-d12
 Concen: 0.40 ng
 RT: 23.69 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BE093048.D
 Acq: 16 May 2017 11:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:264 Resp: 5040
 Ion Ratio Lower Upper
 264 100
 260 26.9 21.0 31.4
 265 28.2 24.6 36.8



#38
 Dibenzo(a,h)anthracene
 Concen: 0.02 ng
 RT: 26.25 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BE093048.D
 Acq: 16 May 2017 11:36

Tgt Ion:278 Resp: 321
 Ion Ratio Lower Upper
 278 100
 139 68.2 21.4 32.0#
 279 58.1 22.2 33.2#

