

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051617\
 Data File : BE093047.D
 Acq On : 16 May 2017 10:28
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 18 00:53:08 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	907	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3859	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1829	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5386	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5088	0.40	ng	0.00
34) Perylene-d12	23.69	264	4474	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	955	0.34	ng	0.00
5) Phenol-d6	6.92	99	1367	0.36	ng	0.00
8) Nitrobenzene-d5	8.88	82	1173	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	2024	0.36	ng	0.01
14) 2,4,6-Tribromophenol	15.88	330	199	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2827	0.38	ng	0.00
25) Fluoranthene-d10	19.14	212	4352	0.31	ng	0.00
29) Terphenyl-d14	19.74	244	3579	0.38	ng	0.00

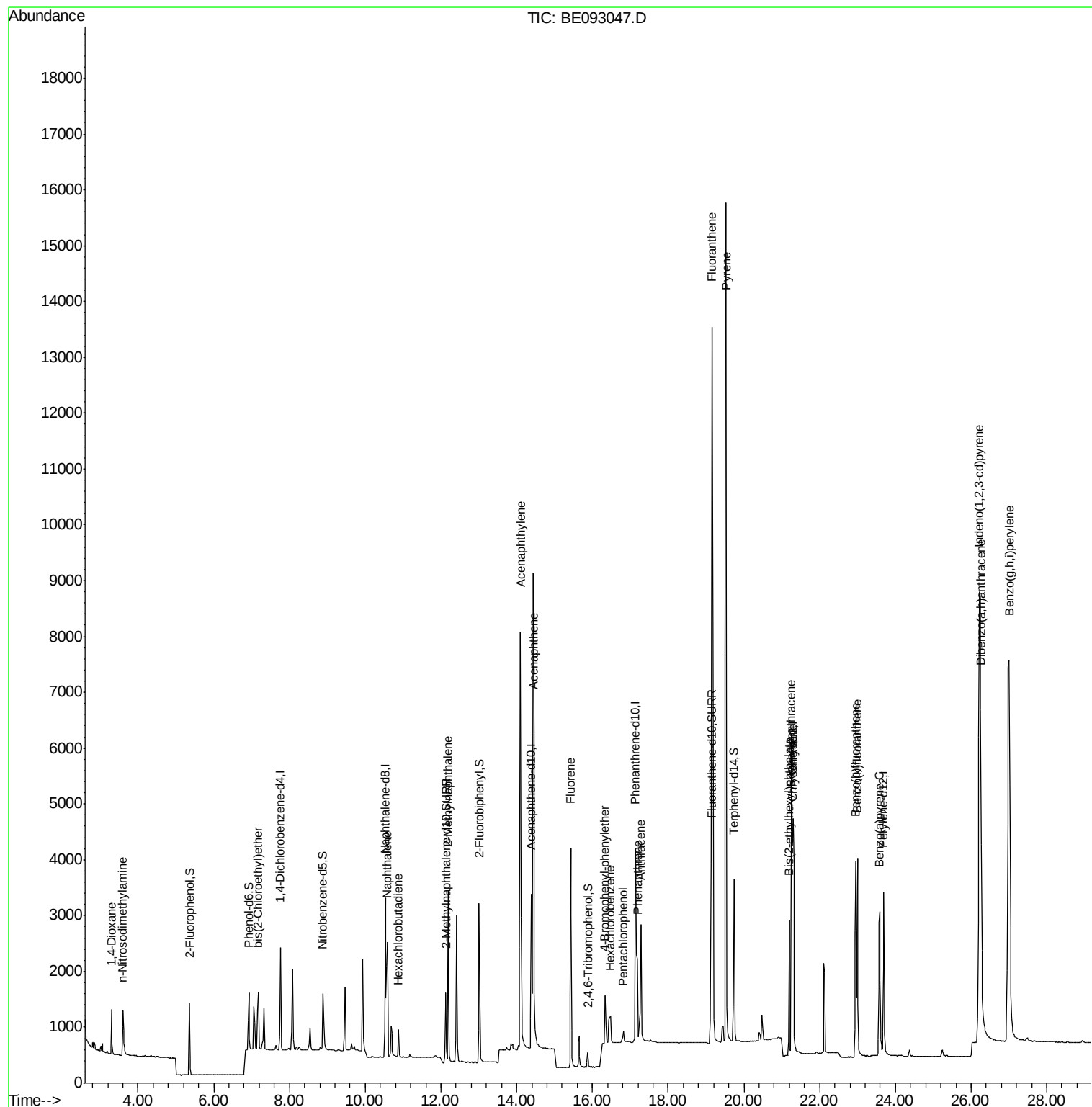
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	640	0.36	ng	97
3) n-Nitrosodimethylamine	3.60	42	601	0.37	ng	# 97
6) bis(2-Chloroethyl)ether	7.18	93	1121	0.37	ng	# 100
9) Naphthalene	10.58	128	3593	0.35	ng	99
10) Hexachlorobutadiene	10.87	225	482	0.36	ng	99
12) 2-Methylnaphthalene	12.19	142	2238	0.36	ng	98
16) Acenaphthylene	14.10	152	11234	0.35	ng	100
17) Acenaphthene	14.45	154	2065	0.36	ng	99
18) Fluorene	15.43	166	2572	0.36	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	542	0.32	ng	# 1
21) Hexachlorobenzene	16.47	284	765	0.30	ng	# 100
22) Pentachlorophenol	16.82	266	238	0.37	ng	94
23) Phenanthrene	17.19	178	3589	0.30	ng	# 77
24) Anthracene	17.28	178	3494	0.29	ng	97
26) Fluoranthene	19.16	202	20903	0.32	ng	# 59
28) Pyrene	19.53	202	23435	0.38	ng	# 98
30) Benzo(a)anthracene	21.25	228	4952	0.36	ng	# 85
31) Chrysene	21.30	228	5333	0.36	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.20	149	2334	0.35	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.22	276	20387	0.38	ng	99
35) Benzo(b)fluoranthene	22.95	252	4916	0.35	ng	97
36) Benzo(k)fluoranthene	22.99	252	4866	0.34	ng	97
37) Benzo(a)pyrene	23.58	252	4497	0.35	ng	99
38) Dibenzo(a,h)anthracene	26.25	278	4341	0.36	ng	96
39) Benzo(g,h,i)perylene	27.00	276	18329	0.35	ng	98

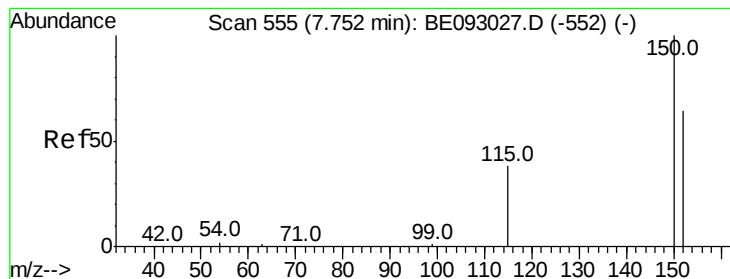
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 00:53:08 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 15 13:35:57 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

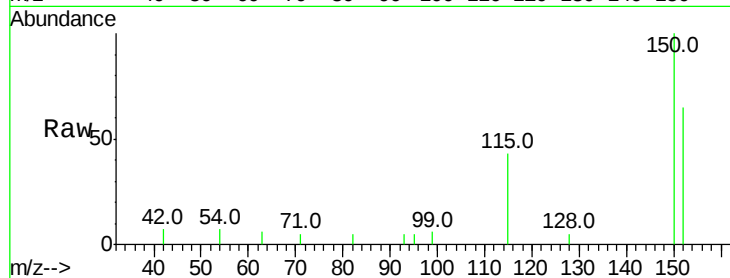
Tot Ion:152 Resp: 907

Ion Ratio Lower Upper

152 100

150 154.0 125.1 187.7

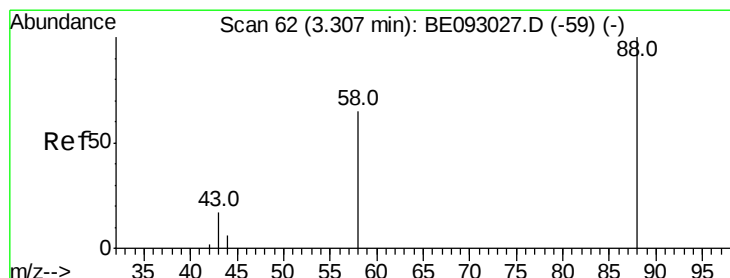
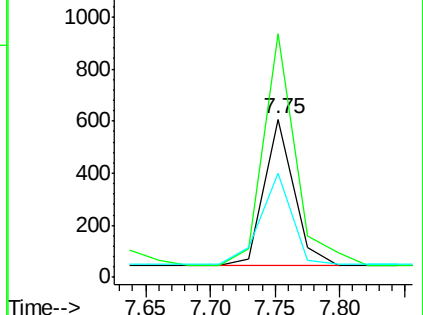
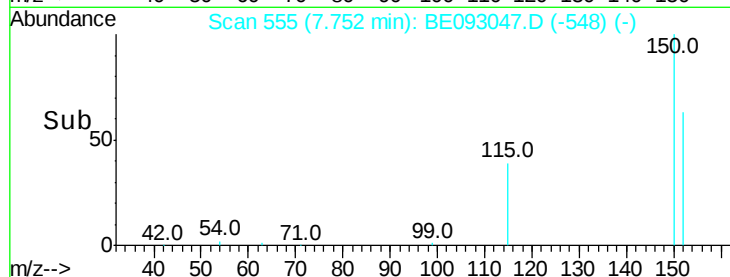
115 65.9 55.7 83.5



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: 0.36 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

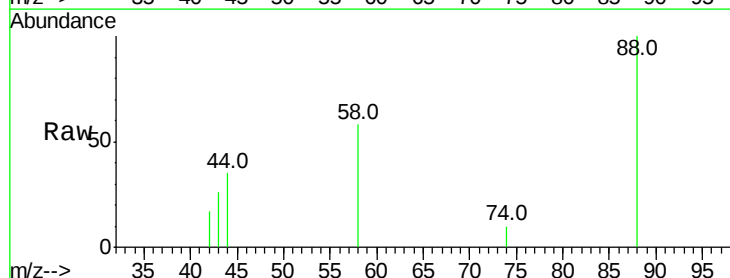
Tgt Ion: 88 Resp: 640

Ion Ratio Lower Upper

88 100

58 76.1 62.2 93.4

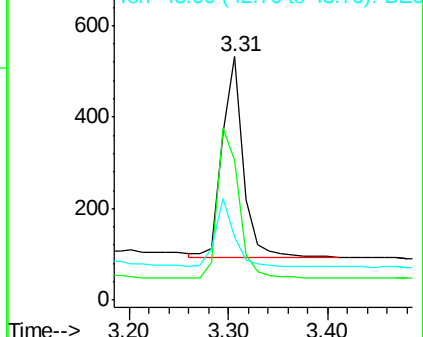
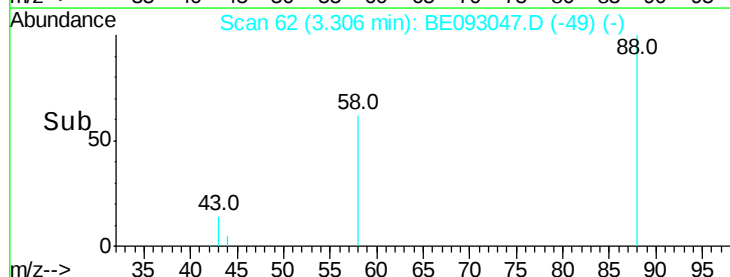
43 31.6 23.2 34.8

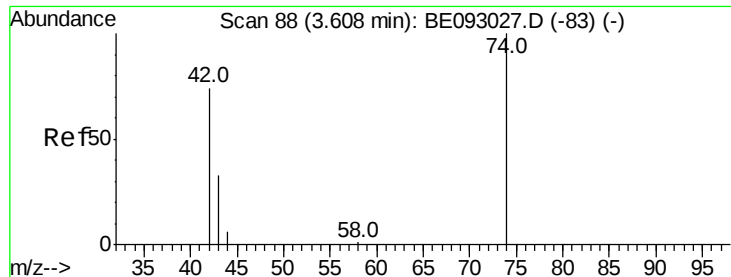


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.37 ng

RT: 3.60 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

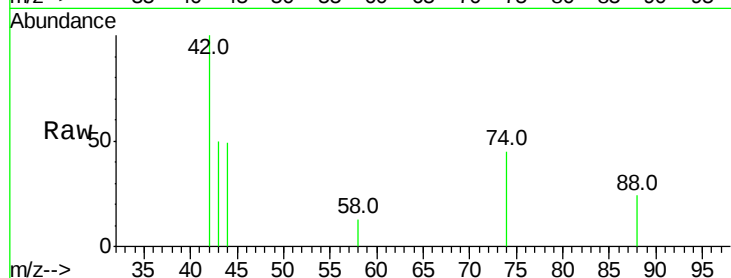
Tot Ion: 42 Resp: 601

Ion Ratio Lower Upper

42 100

74 122.1 99.1 148.7

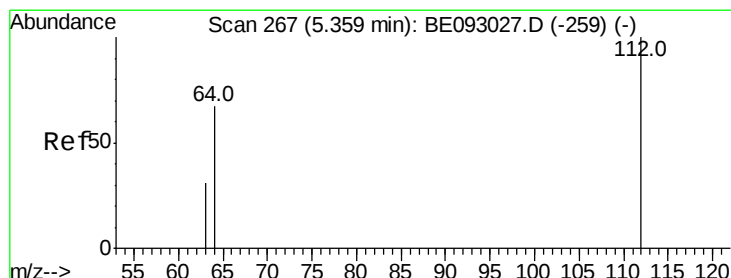
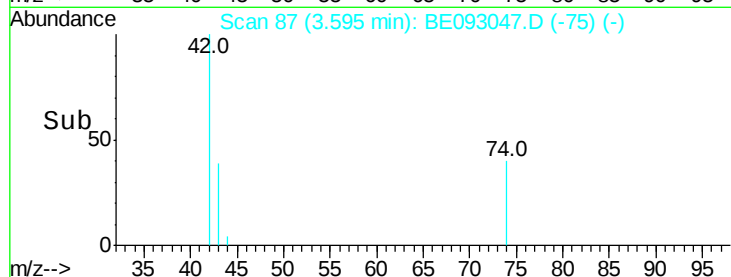
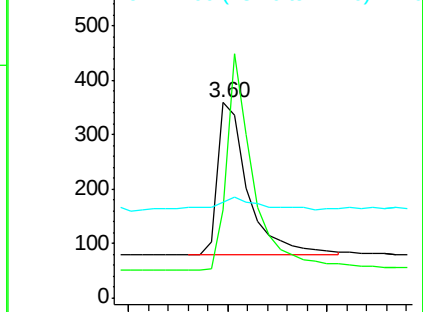
44 15.8 7.4 11.2#



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: 0.34 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

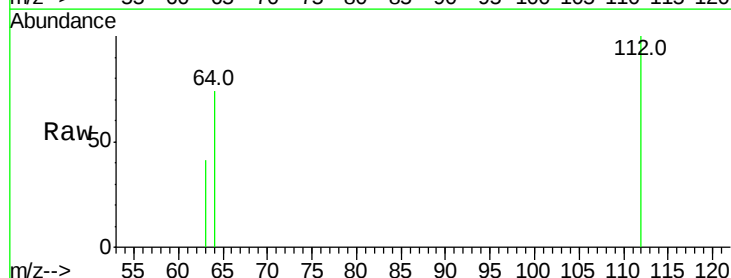
Tgt Ion: 112 Resp: 955

Ion Ratio Lower Upper

112 100

64 72.8 56.4 84.6

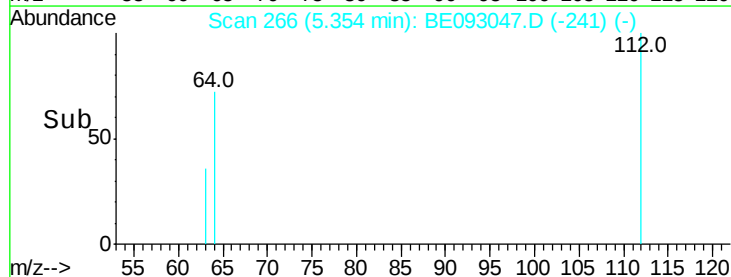
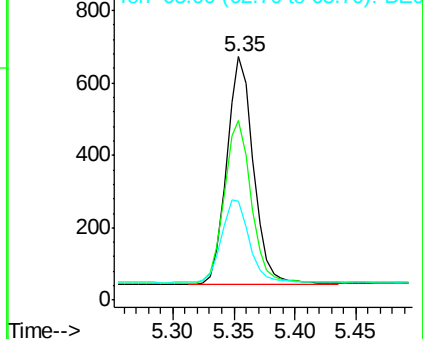
63 37.6 29.3 43.9

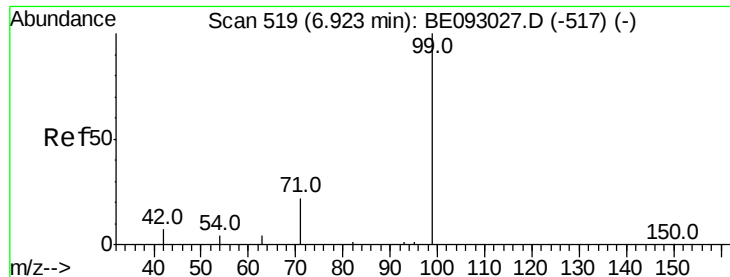


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.36 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

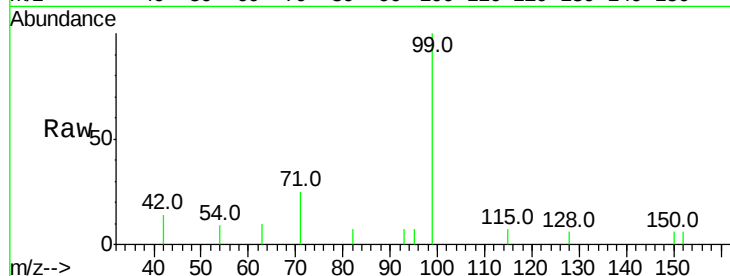
Tot Ion: 99 Resp: 1367

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

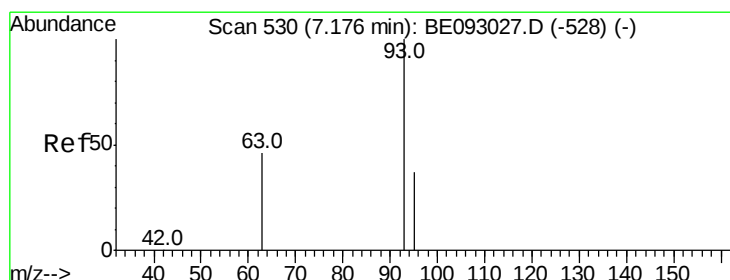
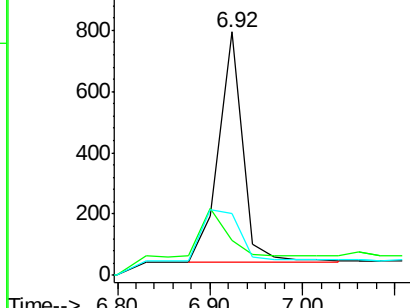
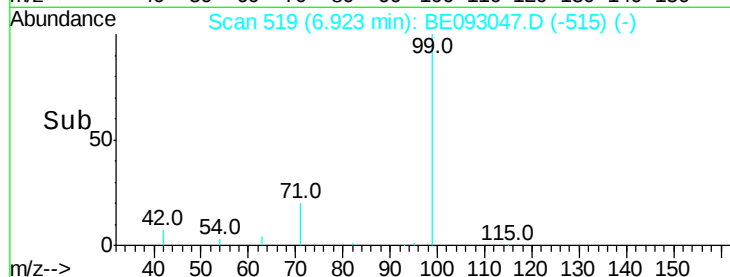
71 0.0 0.0 0.0



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



#6

bis(2-Chloroethyl)ether

Concen: 0.37 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

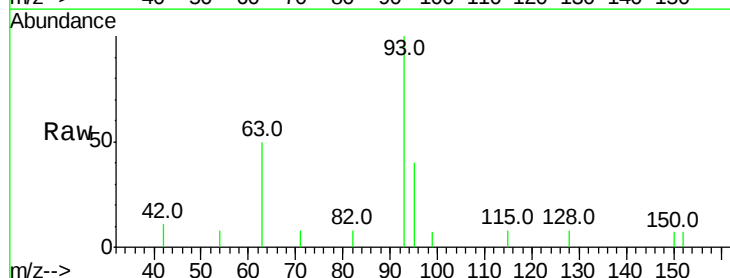
Tgt Ion: 93 Resp: 1121

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

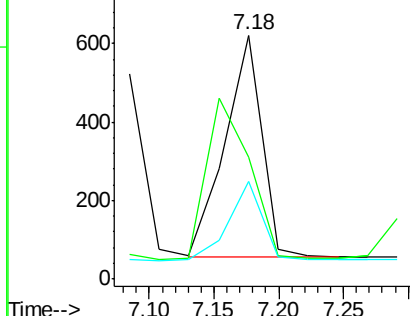
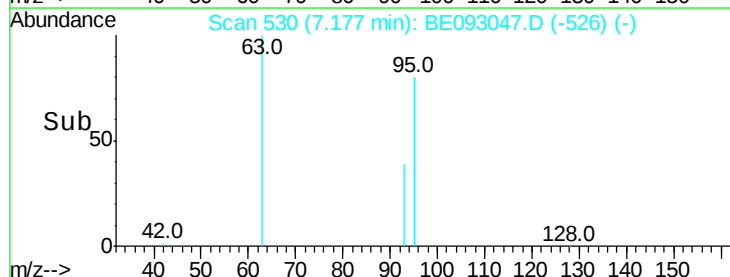
95 31.7 25.4 38.0

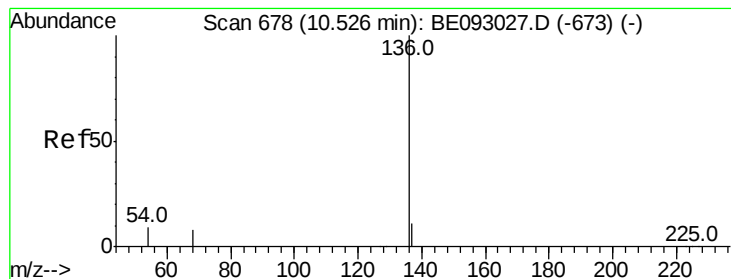


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3859

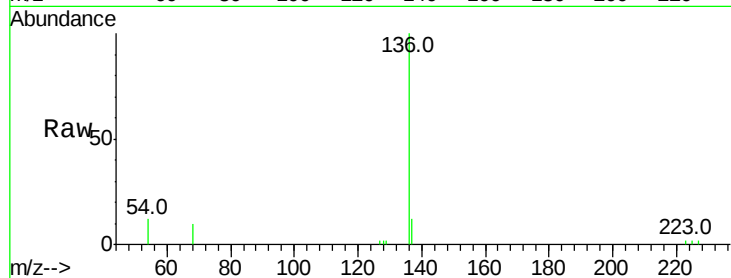
Ion Ratio Lower Upper

136 100

137 11.9 9.8 14.8

54 11.9 10.3 15.5

68 10.3 9.0 13.4

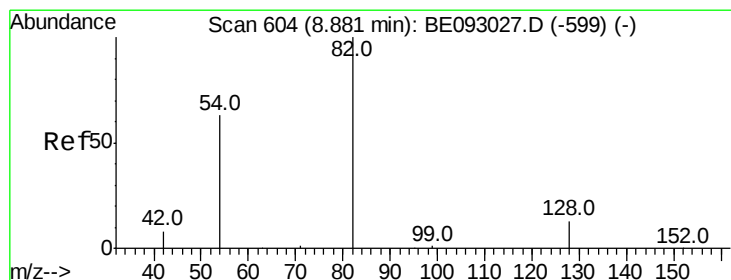
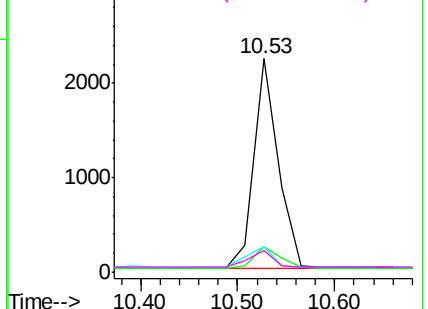
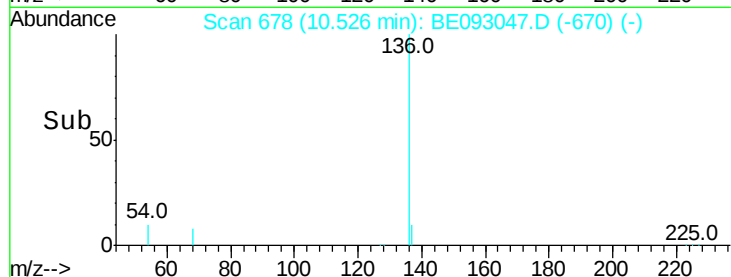


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.35 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

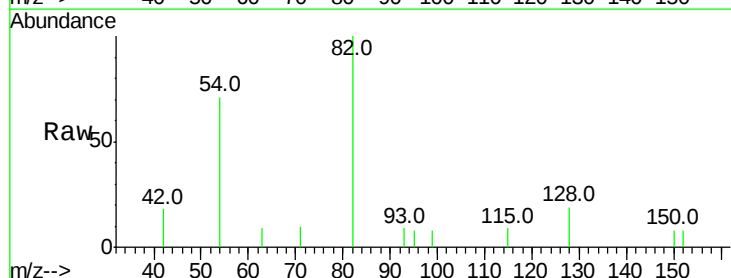
Tgt Ion: 82 Resp: 1173

Ion Ratio Lower Upper

82 100

128 19.4 17.0 25.4

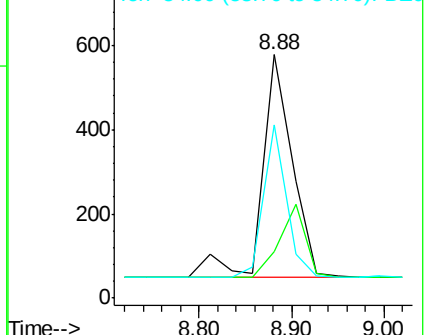
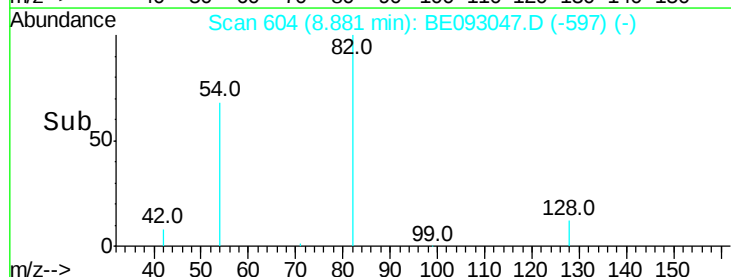
54 70.9 53.8 80.6

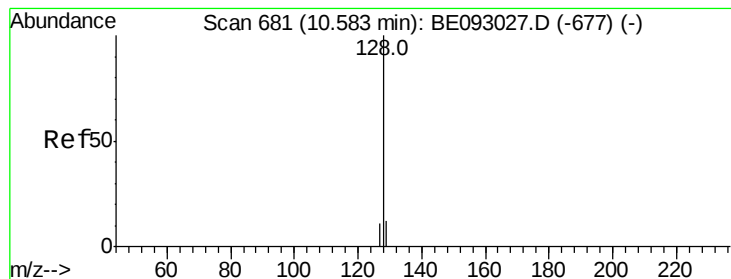


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.35 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

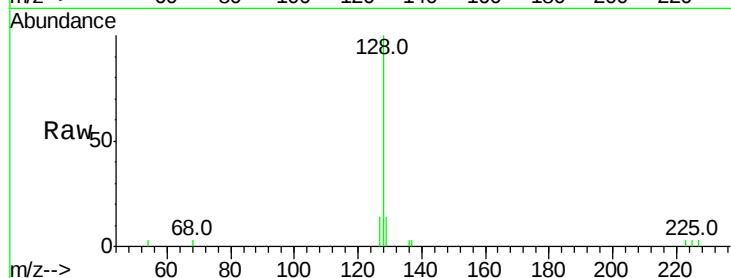
Tot Ion:128 Resp: 3593

Ion Ratio Lower Upper

128 100

129 14.3 11.4 17.0

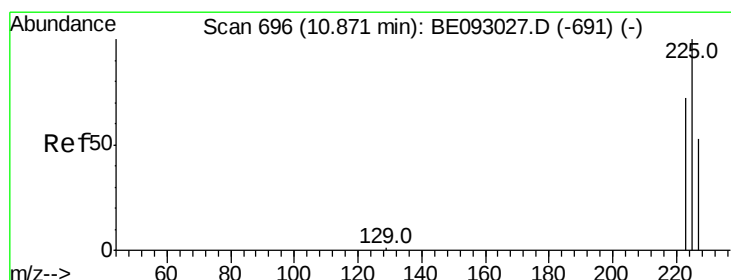
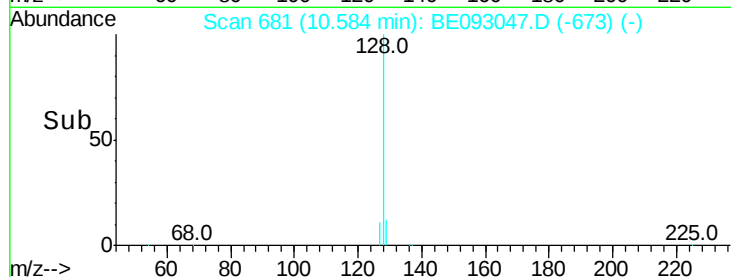
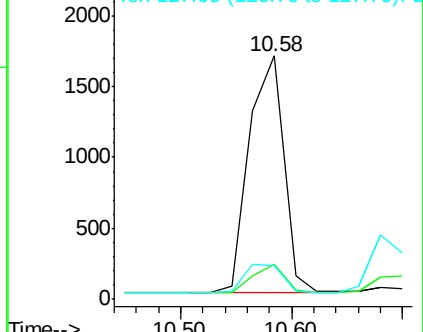
127 13.6 11.2 16.8



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



#10

Hexachlorobutadiene

Concen: 0.36 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

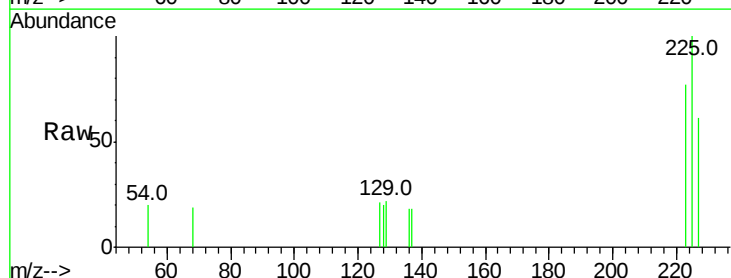
Tgt Ion:225 Resp: 482

Ion Ratio Lower Upper

225 100

223 62.7 49.7 74.5

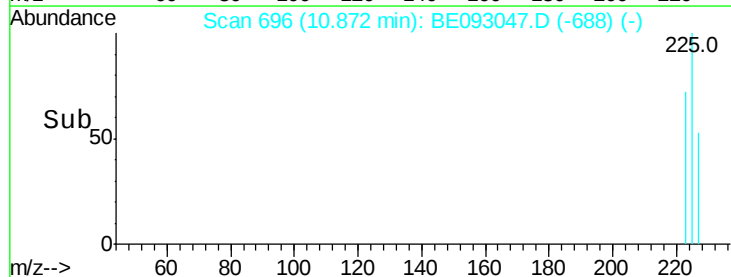
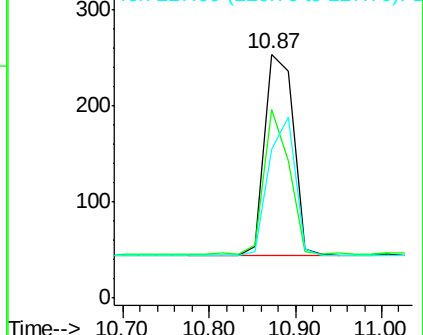
227 63.7 50.3 75.5



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

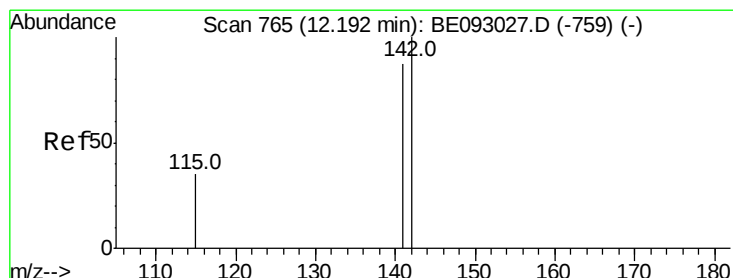
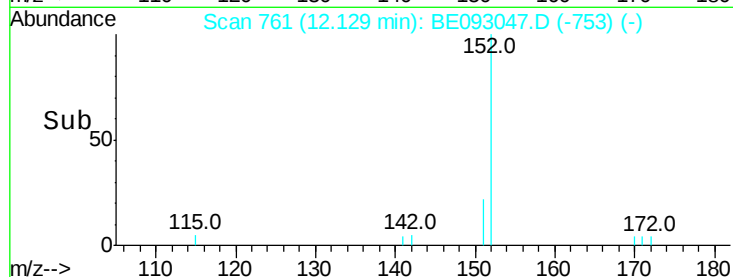
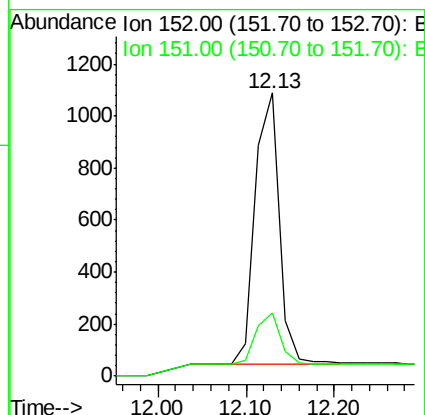
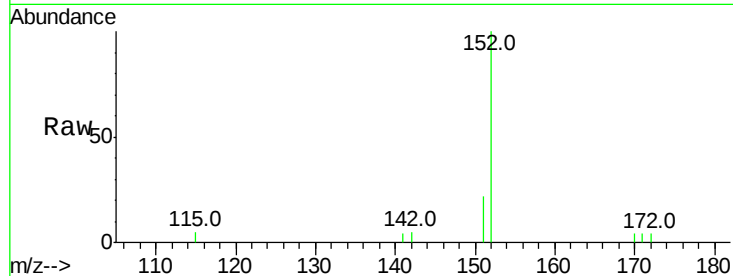




#11
2-Methylnaphthalene-d10
Concen: 0.36 ng
RT: 12.13 min Scan# 761
Delta R.T. 0.01 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

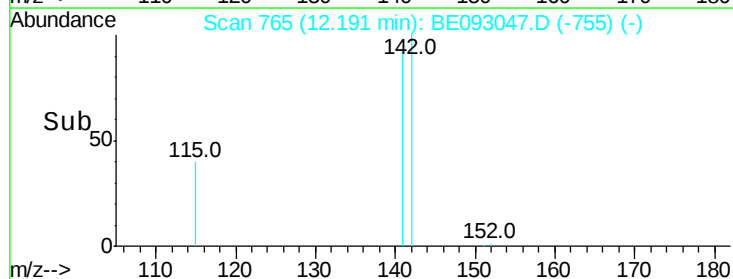
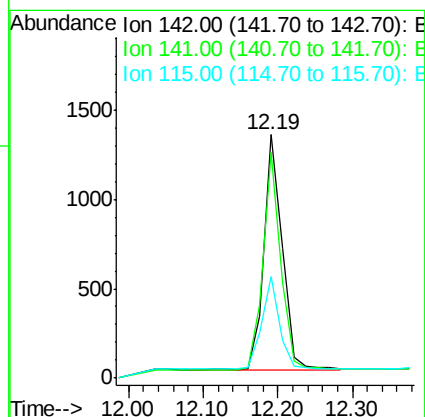
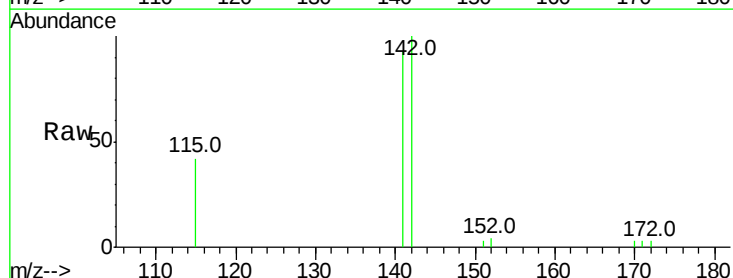
Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2024
Ion Ratio Lower Upper
152 100
151 19.5 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.36 ng
RT: 12.19 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Tgt Ion:142 Resp: 2238
Ion Ratio Lower Upper
142 100
141 92.5 72.6 108.8
115 41.9 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

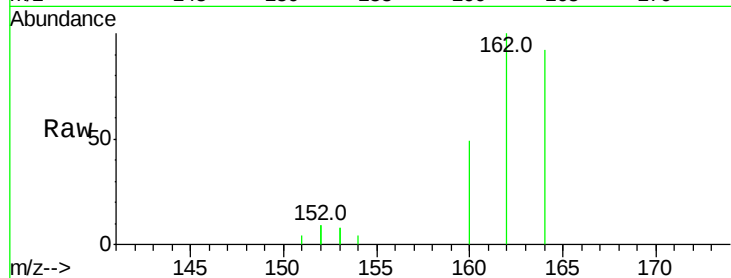
Tot Ion:164 Resp: 1829

Ion Ratio Lower Upper

164 100

162 108.7 84.6 127.0

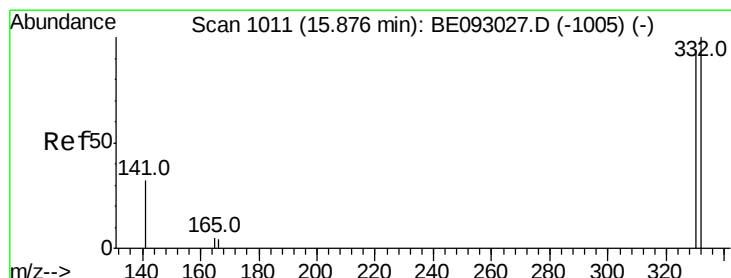
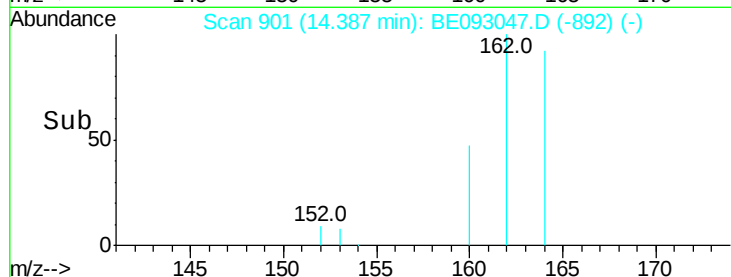
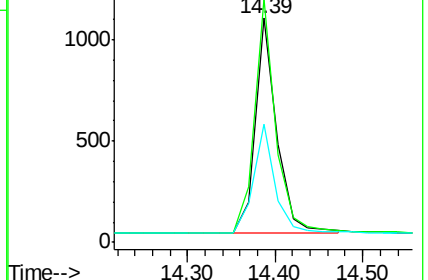
160 52.9 41.8 62.6



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: 0.37 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

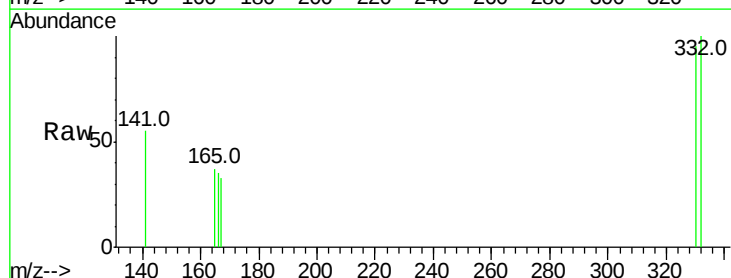
Tgt Ion:330 Resp: 199

Ion Ratio Lower Upper

330 100

332 97.5 77.7 116.5

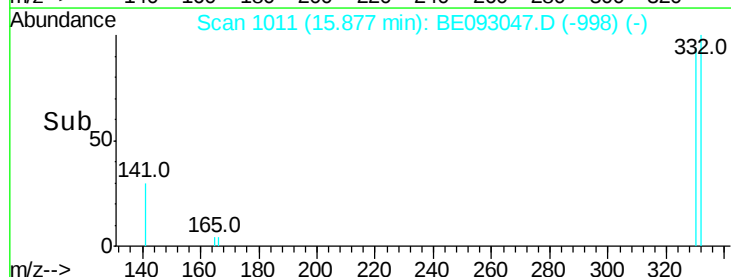
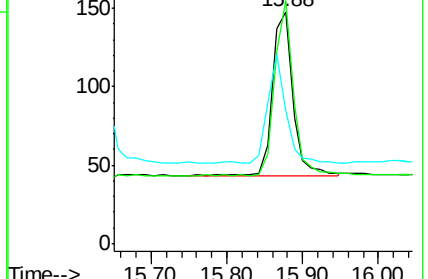
141 57.8 56.2 84.4

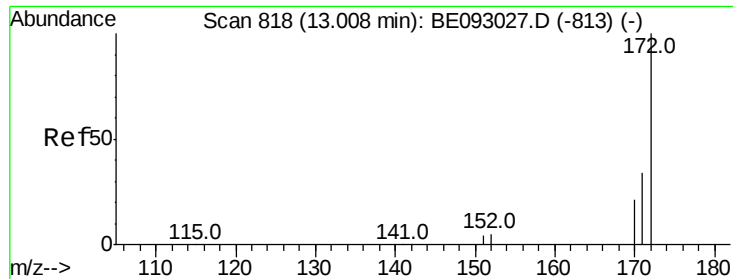


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

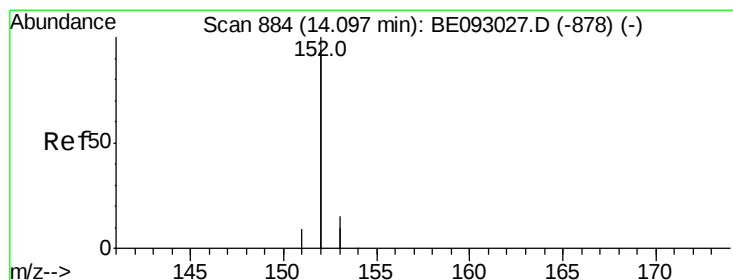
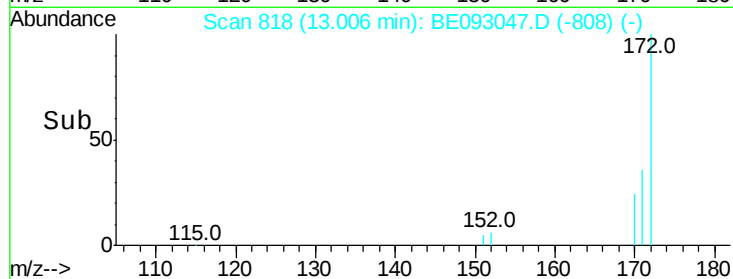
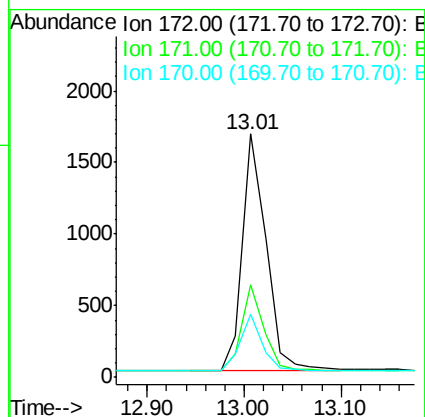
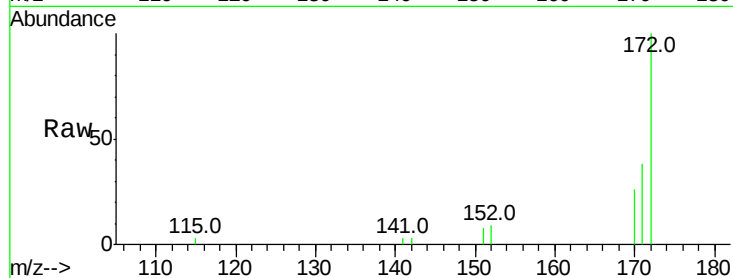




#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

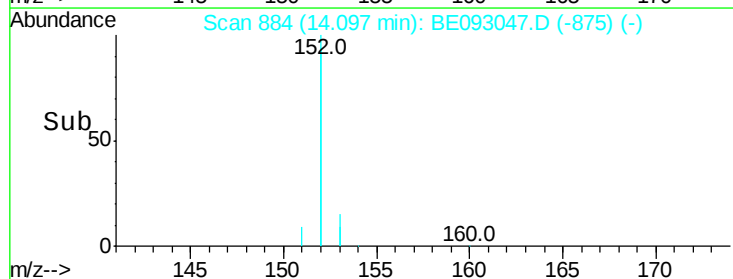
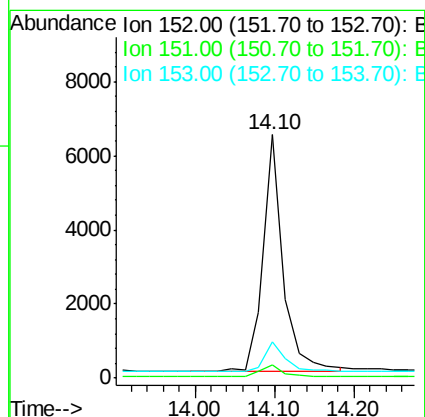
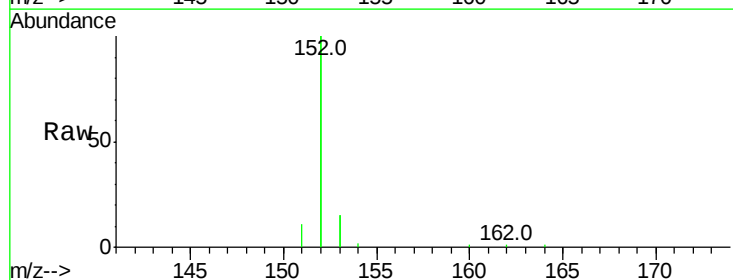
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2827
Ion Ratio Lower Upper
172 100
171 38.1 29.8 44.6
170 26.2 20.7 31.1



#16
Acenaphthylene
Concen: 0.35 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Tgt Ion:152 Resp: 11234
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 12.8 10.3 15.5

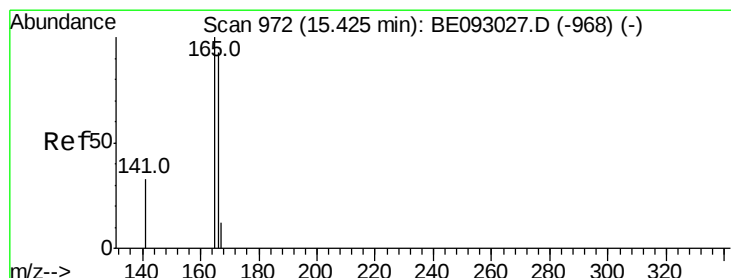
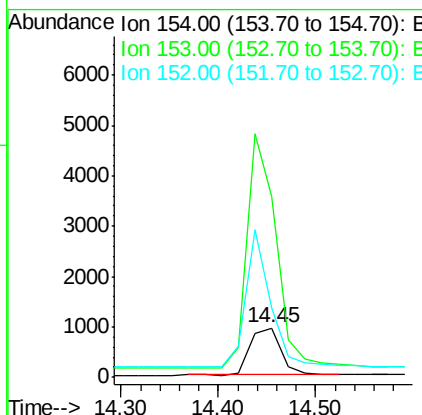
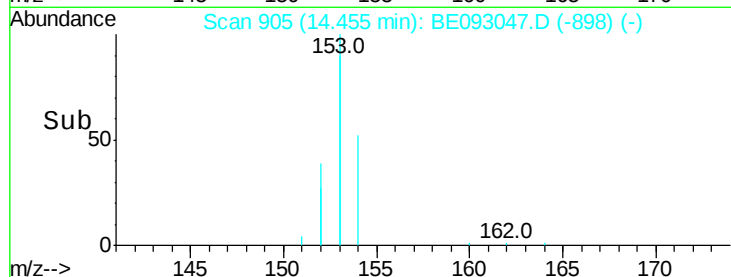
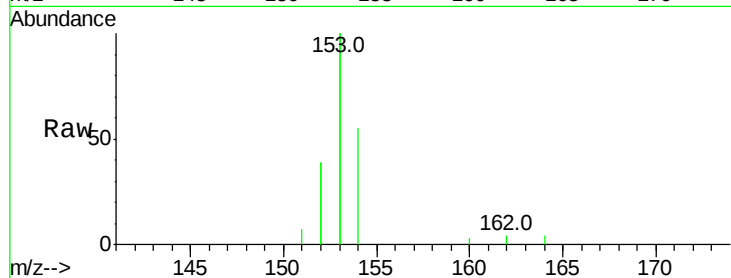




#17
Acenaphthene
Concen: 0.36 ng
RT: 14.45 min Scan# 905
Delta R.T. 0.02 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

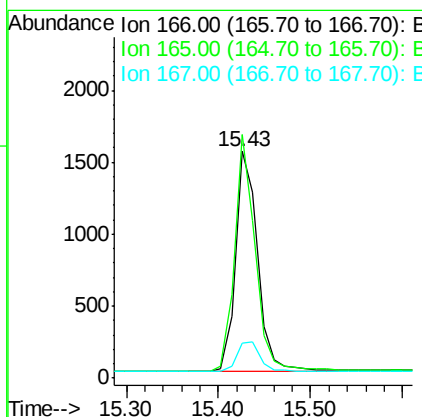
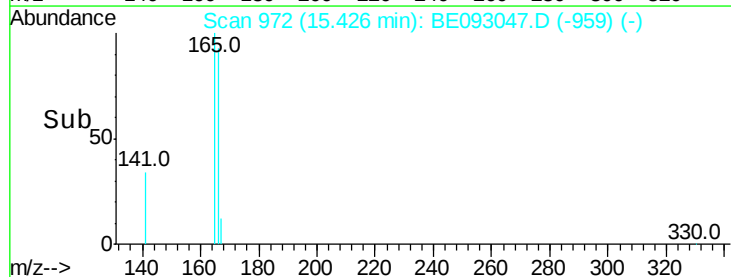
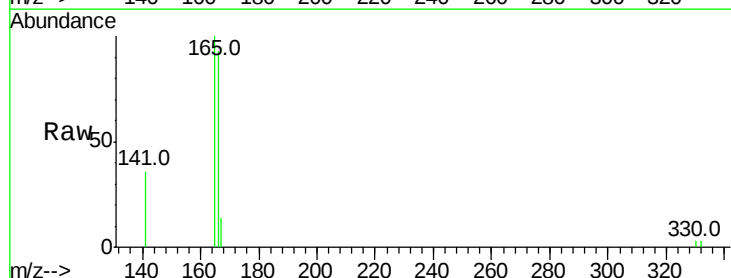
Instrument :
BNA_E
ClientSampleId :

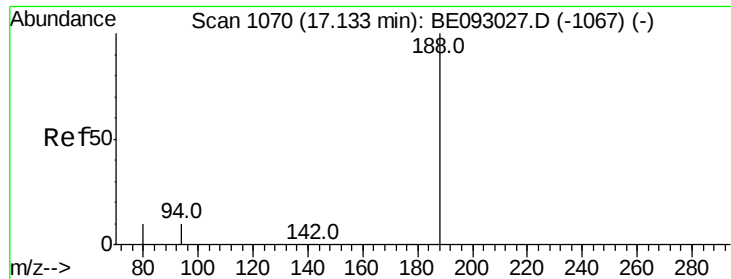
Tot Ion:154 Resp: 2065
Ion Ratio Lower Upper
154 100
153 461.9 367.8 551.6
152 232.8 188.2 282.2



#18
Fluorene
Concen: 0.36 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Tgt Ion:166 Resp: 2572
Ion Ratio Lower Upper
166 100
165 99.7 78.6 117.8
167 14.2 11.1 16.7

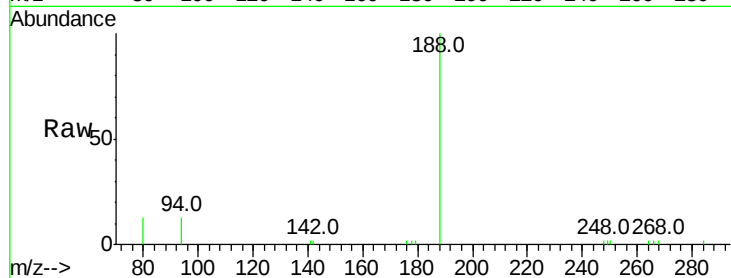




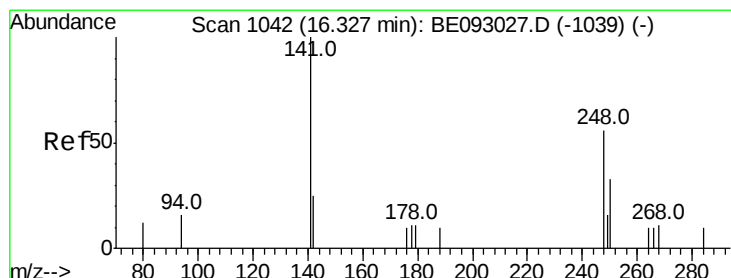
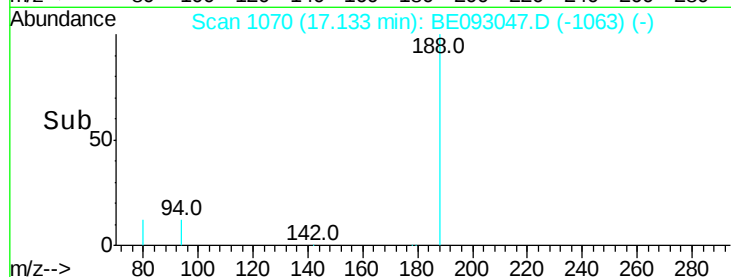
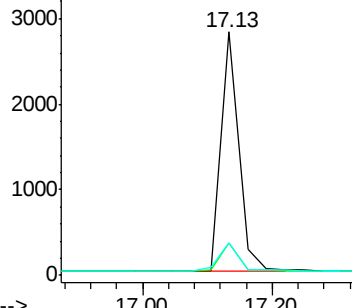
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 5386
Ion Ratio Lower Upper
188 100
94 13.2 11.3 16.9
80 13.3 11.7 17.5

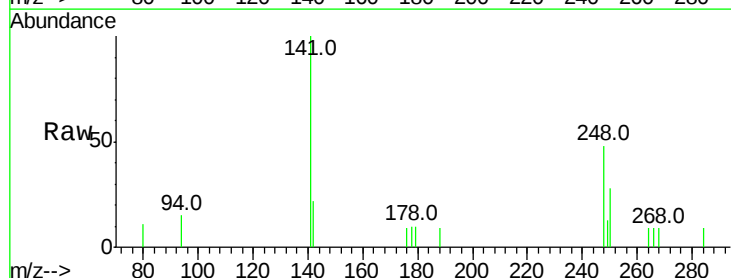


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

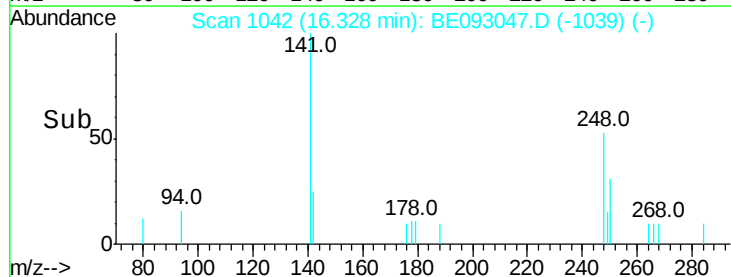
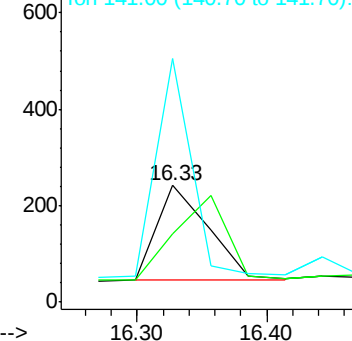


#20
4-Bromophenyl-phenylether
Concen: 0.32 ng
RT: 16.33 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Tgt Ion:248 Resp: 542
Ion Ratio Lower Upper
248 100
250 58.3 100.0 150.0#
141 208.7 40.0 60.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

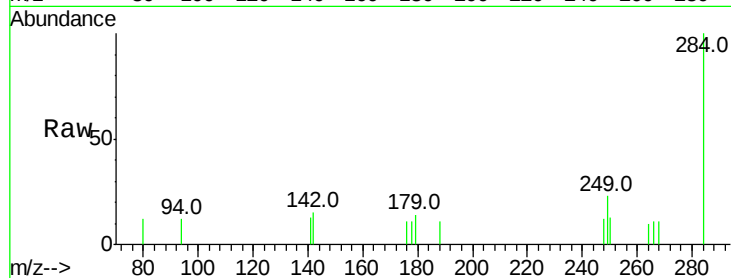




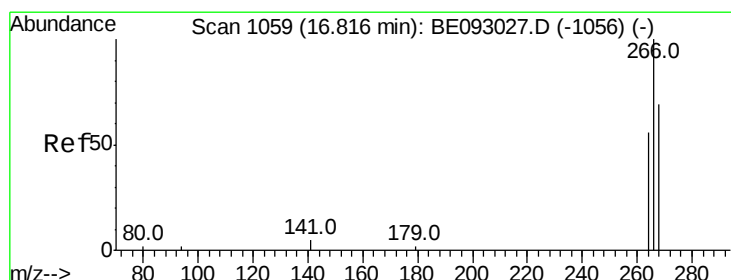
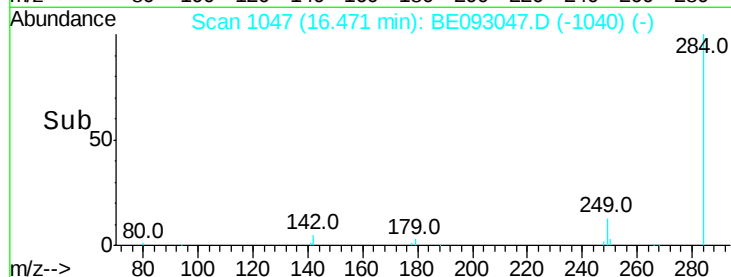
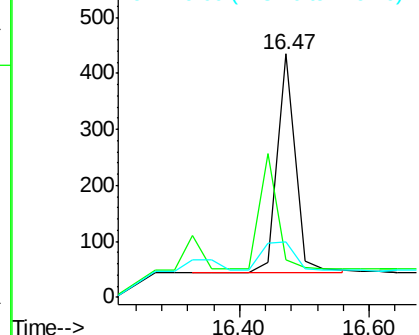
#21
Hexachlorobenzene
Concen: 0.30 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 765
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 23.0 0.0 0.0#

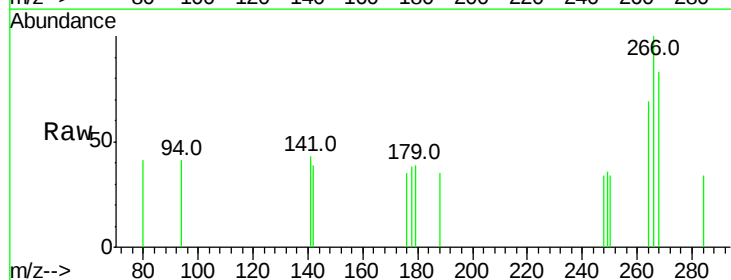


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

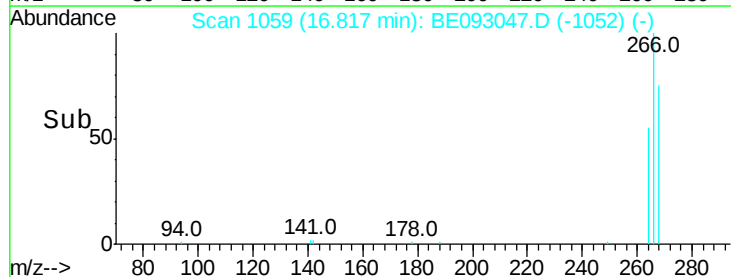
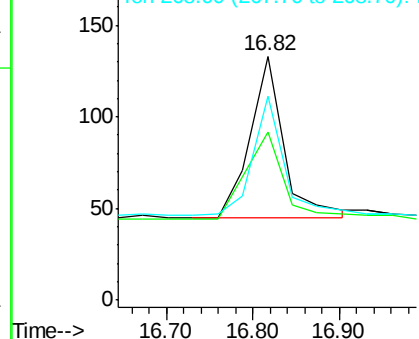


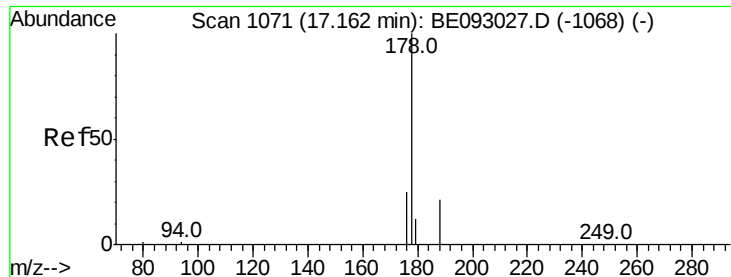
#22
Pentachlorophenol
Concen: 0.37 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Tgt Ion:266 Resp: 238
Ion Ratio Lower Upper
266 100
264 69.2 58.2 87.2
268 83.5 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: 0.30 ng

RT: 17.19 min Scan# 1072

Delta R.T. 0.03 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

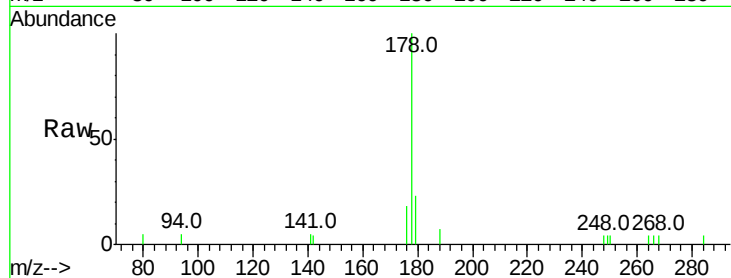
Tot Ion:178 Resp: 3589

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

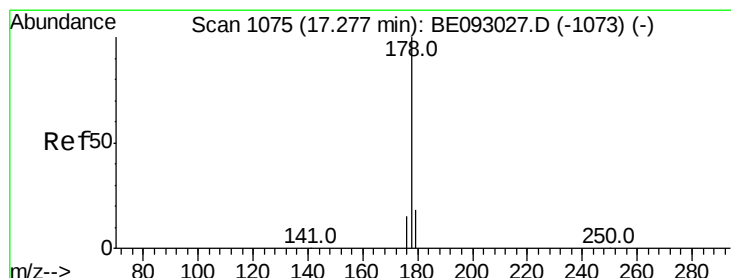
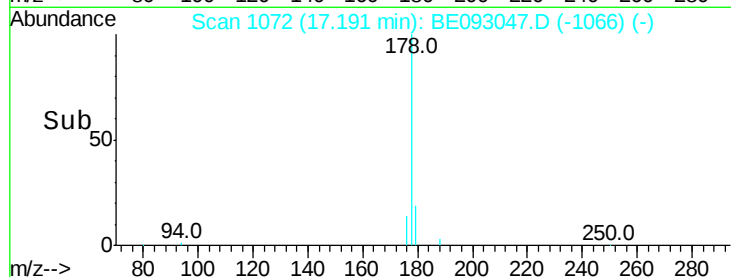
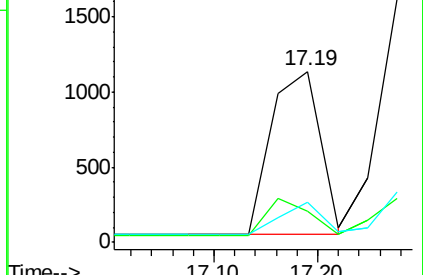
179 16.2 12.7 19.1



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: 0.29 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

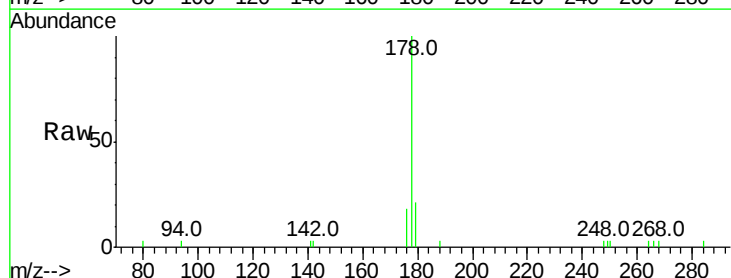
Tgt Ion:178 Resp: 3494

Ion Ratio Lower Upper

178 100

176 17.3 14.6 22.0

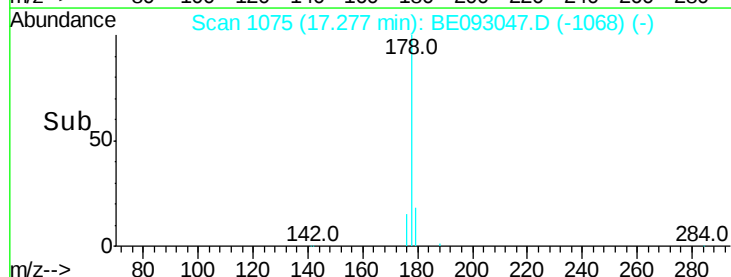
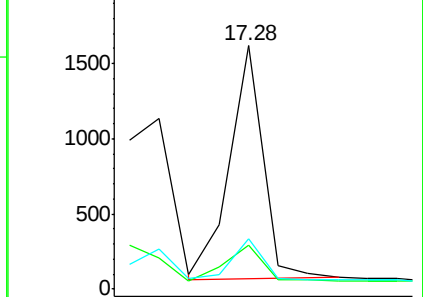
179 16.5 12.0 18.0

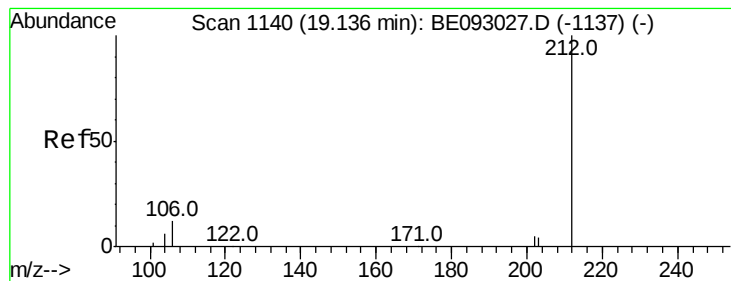


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.31 ng

RT: 19.14 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

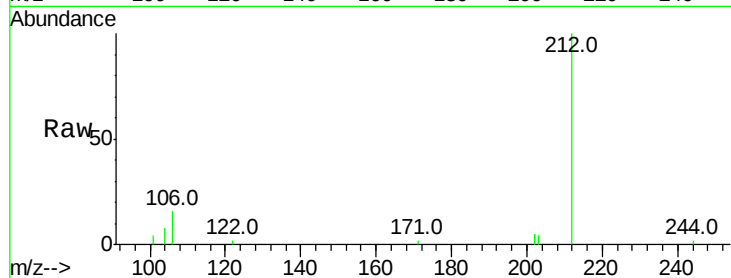
Tot Ion:212 Resp: 4352

Ion Ratio Lower Upper

212 100

106 16.2 0.0 0.0#

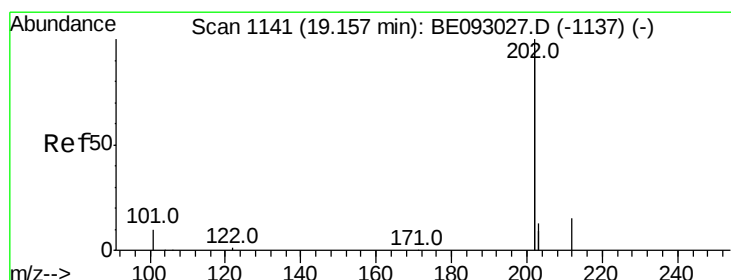
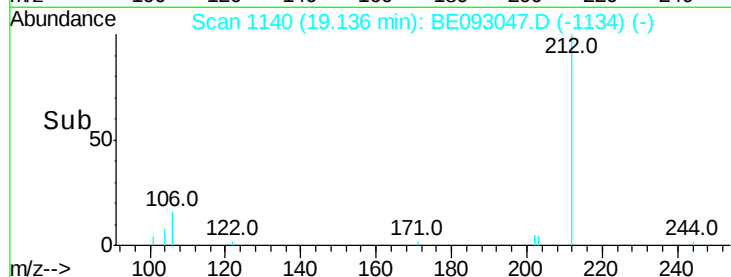
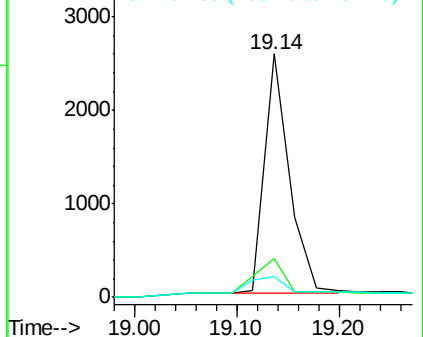
104 8.9 0.0 0.0#



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



#26

Fluoranthene

Concen: 0.32 ng

RT: 19.16 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

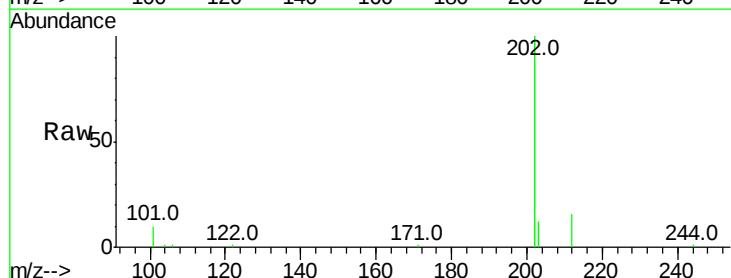
Tgt Ion:202 Resp: 20903

Ion Ratio Lower Upper

202 100

101 3.6 0.0 0.0#

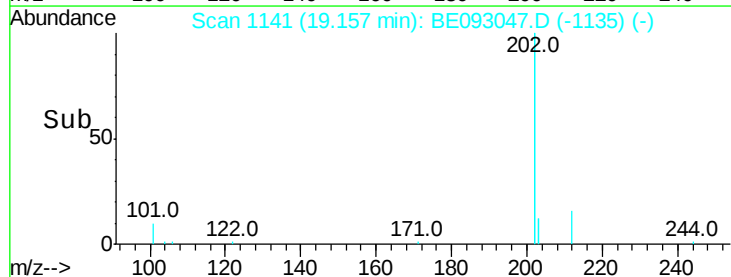
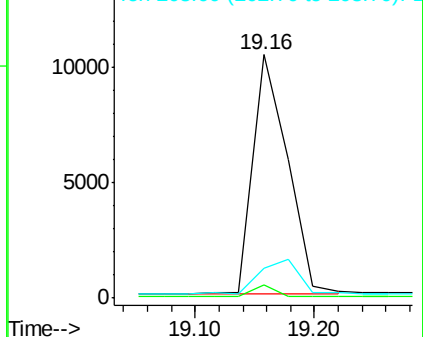
203 0.0 14.4 21.6#

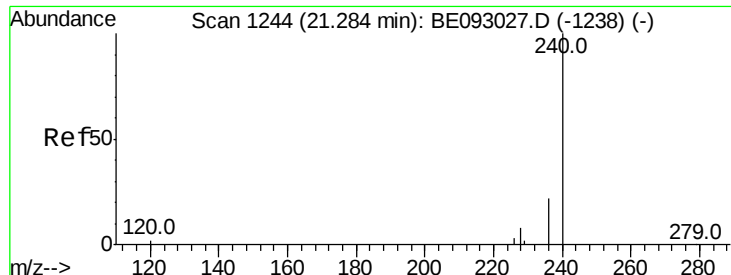


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

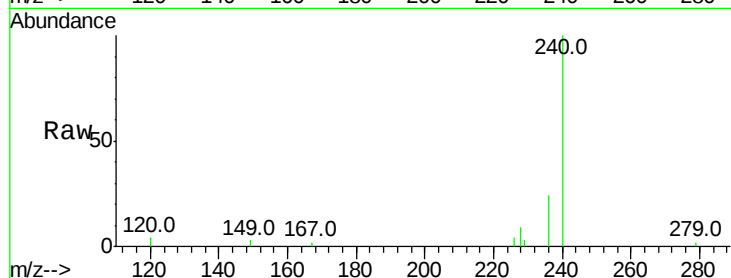
Tot Ion:240 Resp: 5088

Ion Ratio Lower Upper

240 100

120 4.1 4.6 7.0#

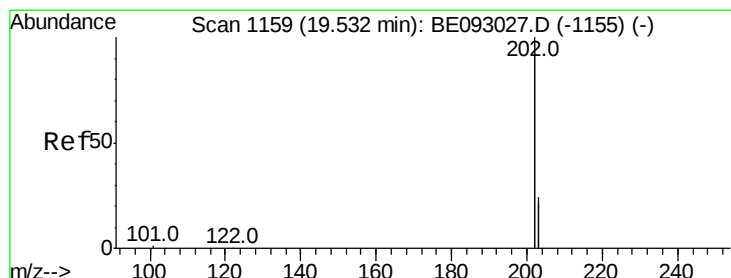
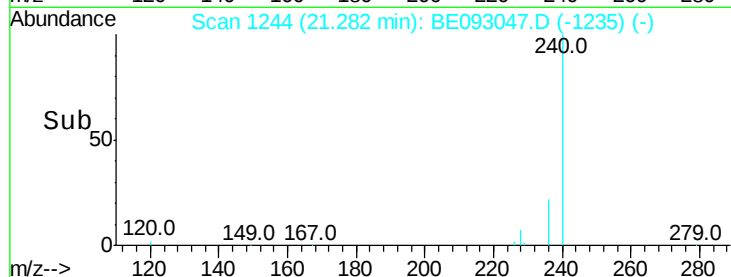
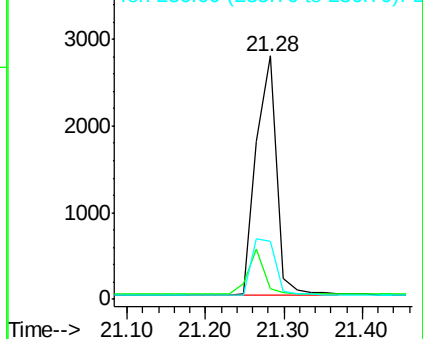
236 23.7 20.8 31.2



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



#28

Pyrene

Concen: 0.38 ng

RT: 19.53 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

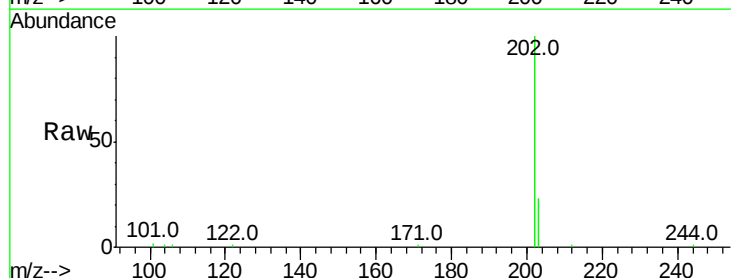
Tgt Ion:202 Resp: 23435

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

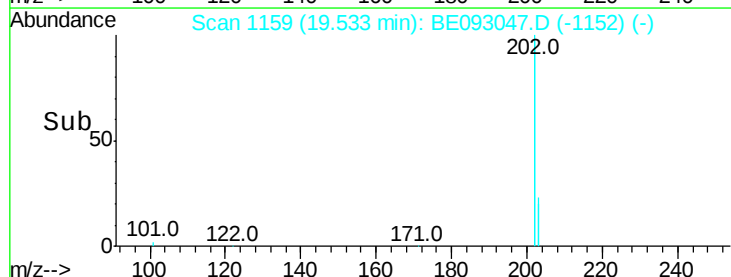
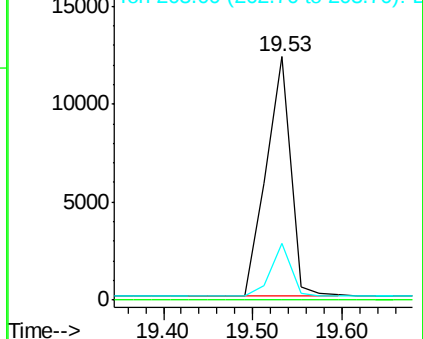
203 18.1 13.7 20.5

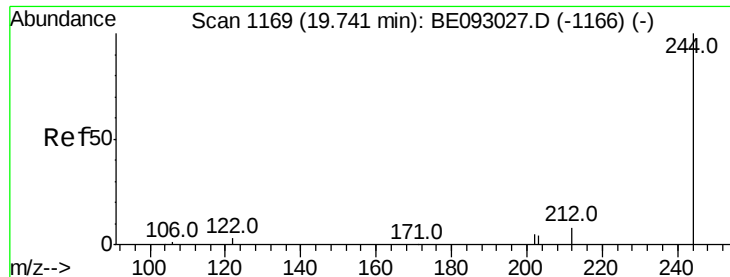


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

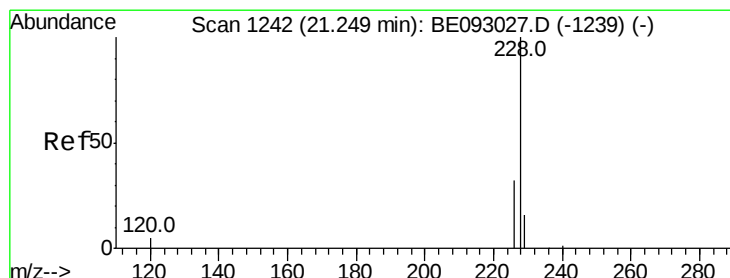
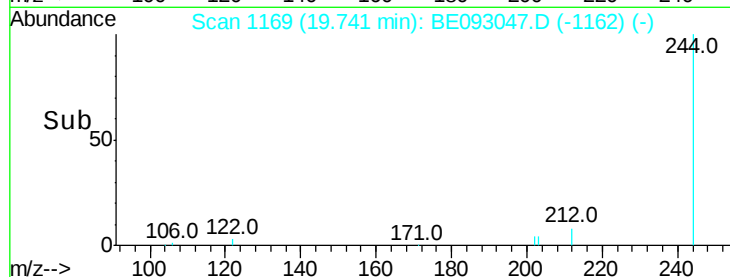
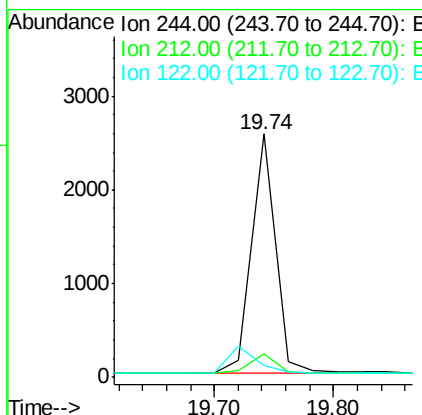
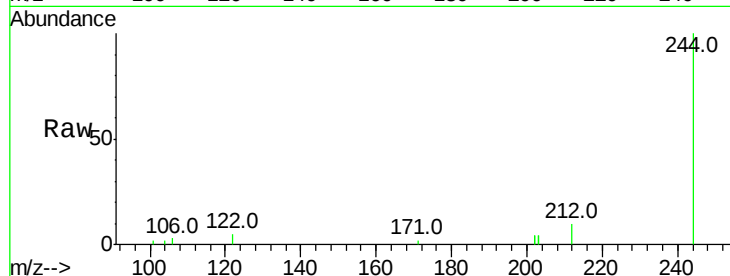




#29
 Terphenyl-d14
 Concen: 0.38 ng
 RT: 19.74 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BE093047.D
 Acq: 16 May 2017 10:28

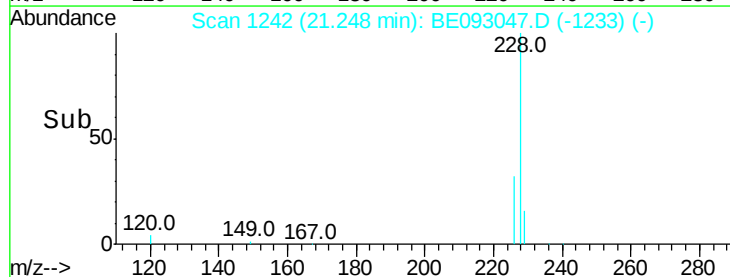
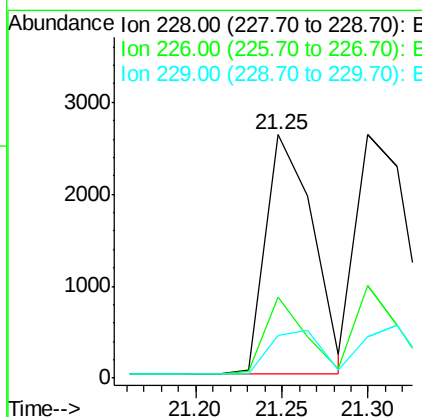
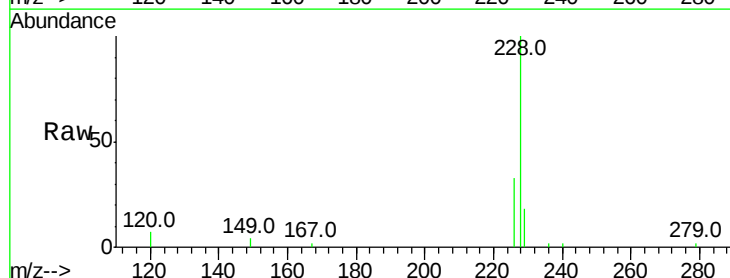
Instrument :
 BNA_E
 ClientSampleId :

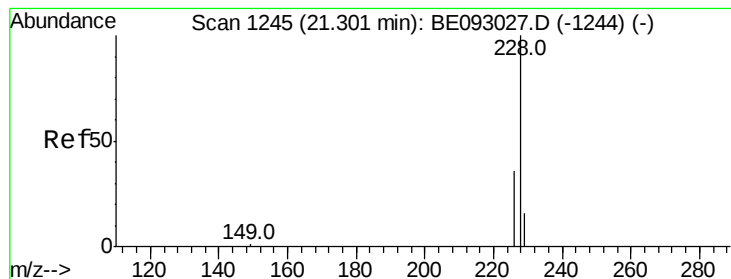
Tot Ion:244 Resp: 3579
 Ion Ratio Lower Upper
 244 100
 212 9.7 10.6 16.0#
 122 5.1 15.4 23.0#



#30
 Benzo(a)anthracene
 Concen: 0.36 ng
 RT: 21.25 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BE093047.D
 Acq: 16 May 2017 10:28

Tgt Ion:228 Resp: 4952
 Ion Ratio Lower Upper
 228 100
 226 33.3 19.7 29.5#
 229 17.6 19.2 28.8#





#31

Chrysene

Concen: 0.36 ng

RT: 21.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

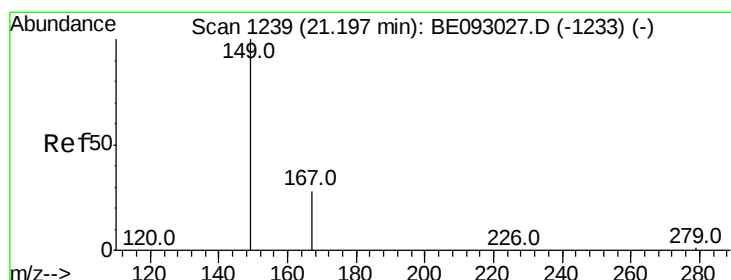
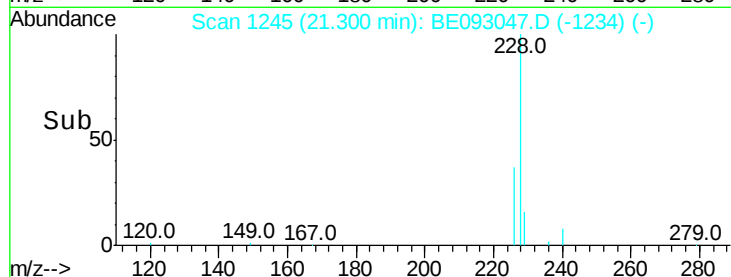
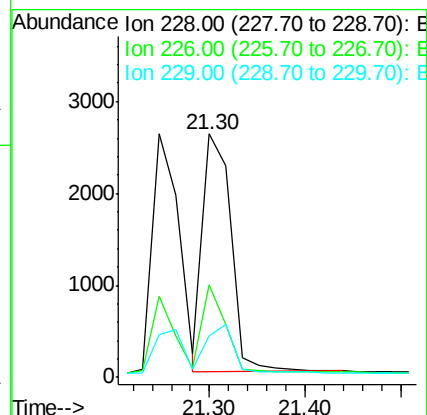
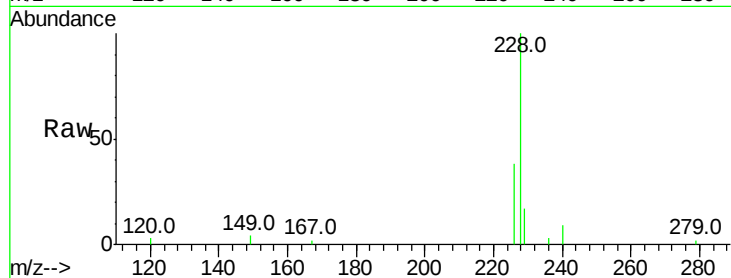
Tot Ion:228 Resp: 5333

Ion Ratio Lower Upper

228 100

226 37.9 21.5 32.3#

229 17.2 18.6 28.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.35 ng

RT: 21.20 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

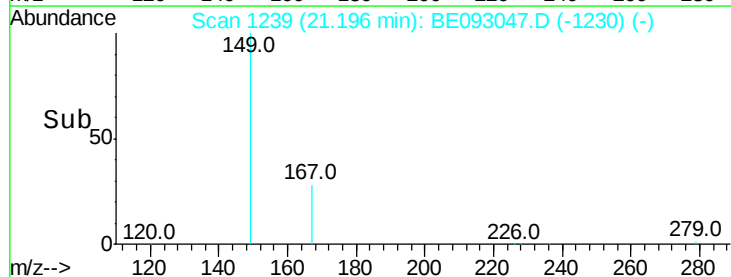
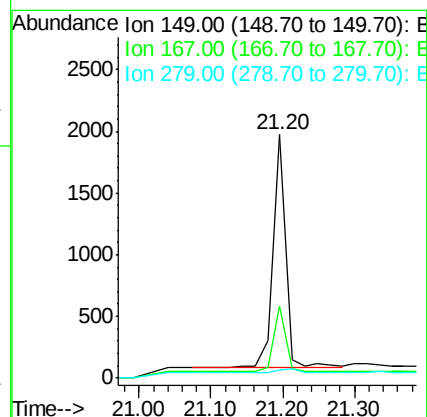
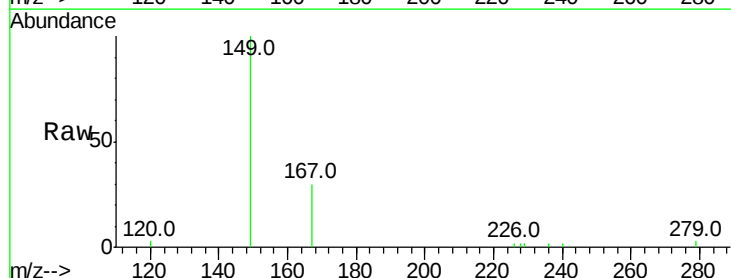
Tgt Ion:149 Resp: 2334

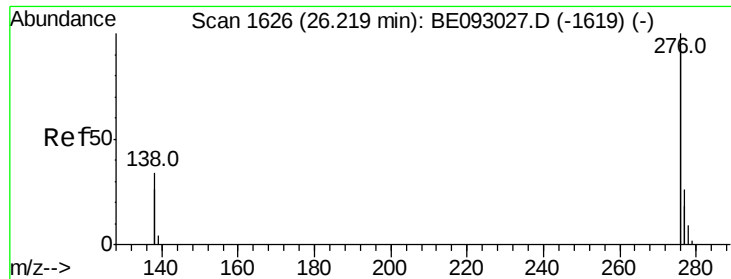
Ion Ratio Lower Upper

149 100

167 27.0 20.1 30.1

279 2.2 2.2 3.4#

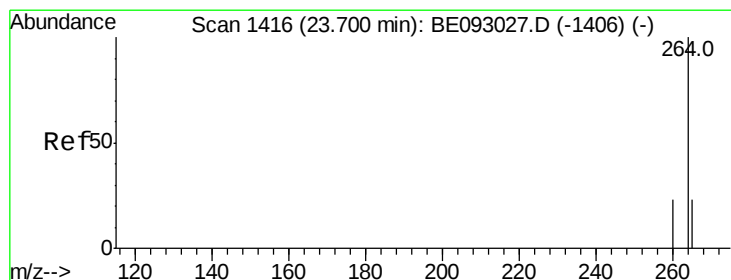
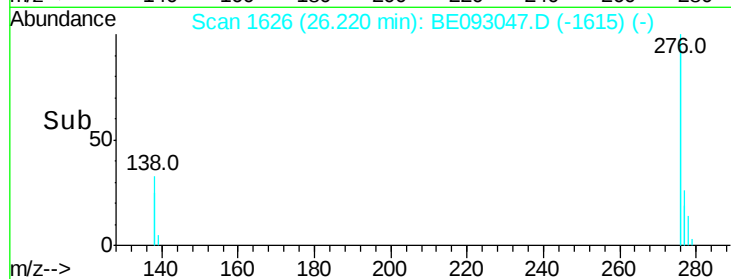
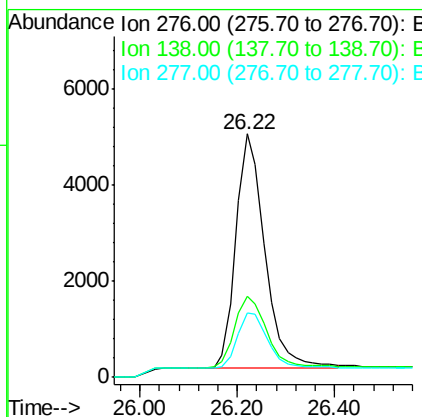
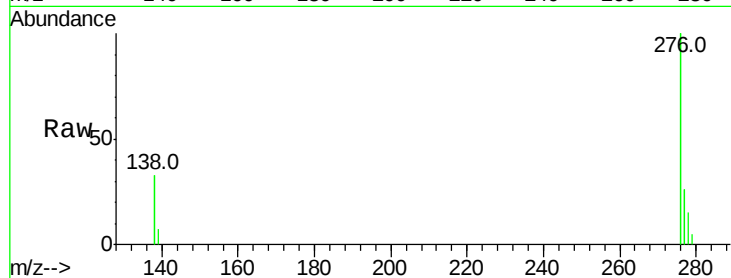




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng
 RT: 26.22 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BE093047.D
 Acq: 16 May 2017 10:28

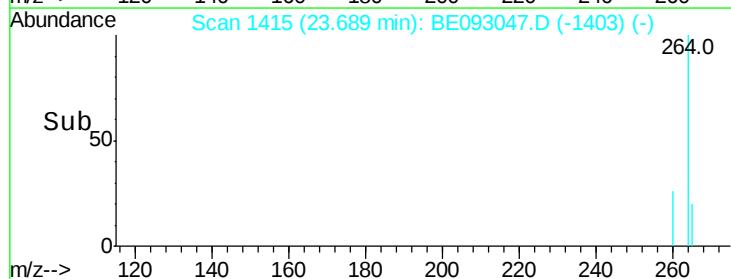
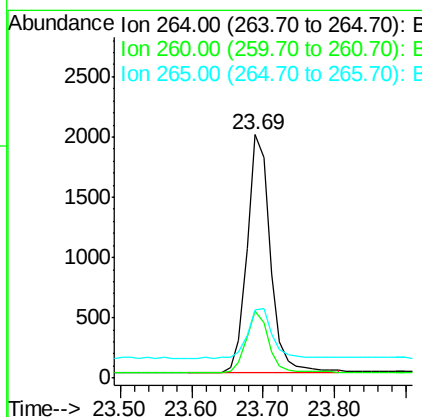
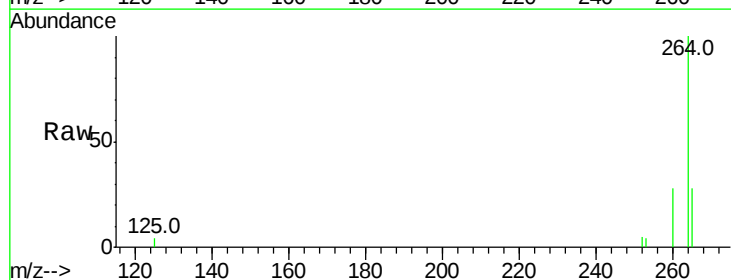
Instrument :
 BNA_E
 ClientSampleId :

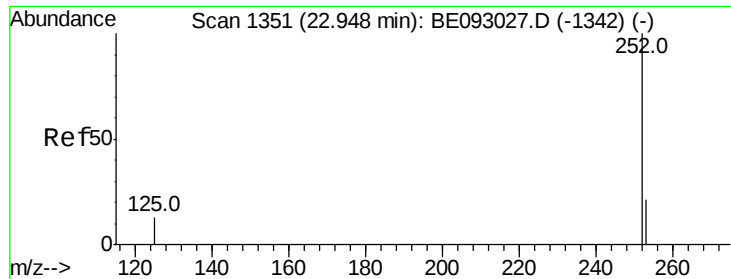
Tot Ion:276 Resp: 20387
 Ion Ratio Lower Upper
 276 100
 138 33.4 27.4 41.2
 277 25.0 20.1 30.1



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.69 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BE093047.D
 Acq: 16 May 2017 10:28

Tgt Ion:264 Resp: 4474
 Ion Ratio Lower Upper
 264 100
 260 27.5 21.0 31.4
 265 28.0 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.35 ng

RT: 22.95 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :

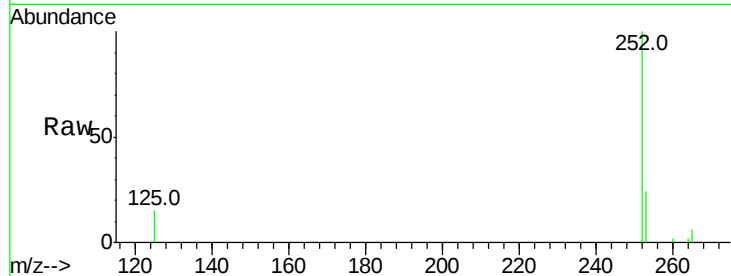
Tot Ion:252 Resp: 4916

Ion Ratio Lower Upper

252 100

253 23.6 18.5 27.7

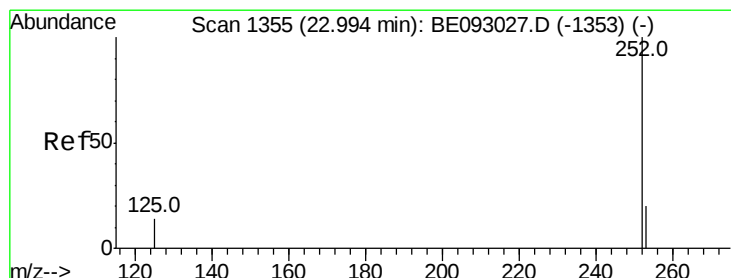
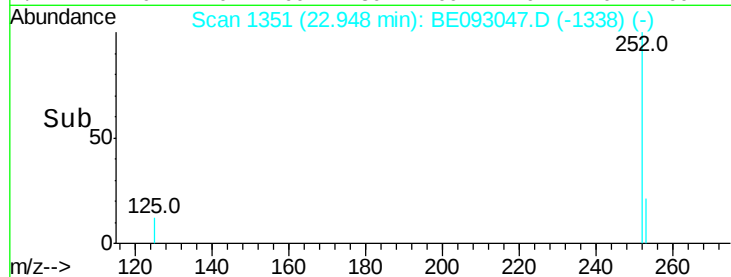
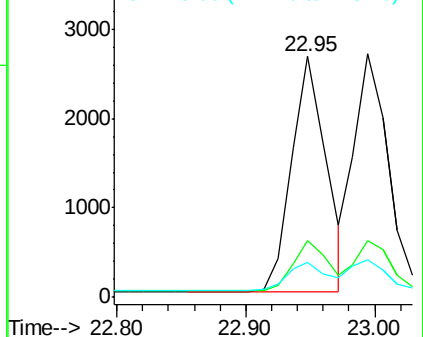
125 14.7 13.4 20.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.34 ng

RT: 22.99 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BE093047.D

Acq: 16 May 2017 10:28

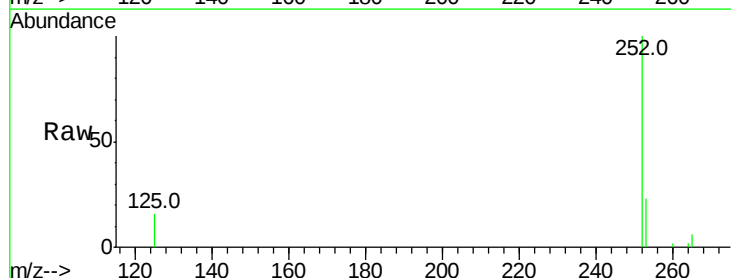
Tgt Ion:252 Resp: 4866

Ion Ratio Lower Upper

252 100

253 23.3 20.3 30.5

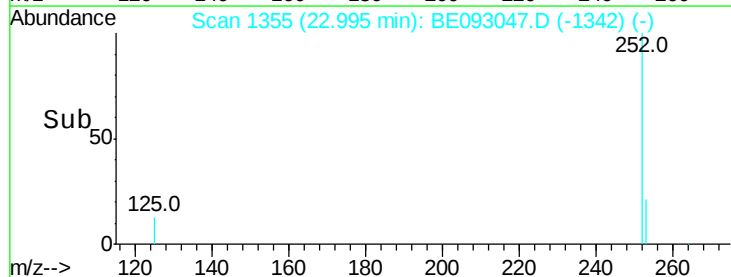
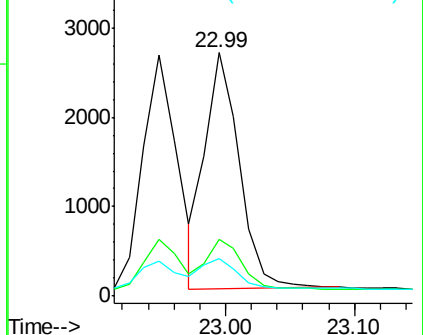
125 15.5 12.2 18.4

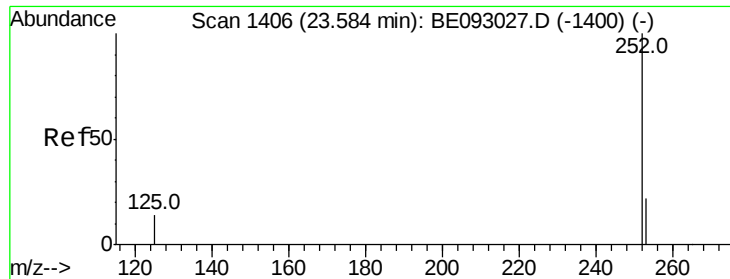


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

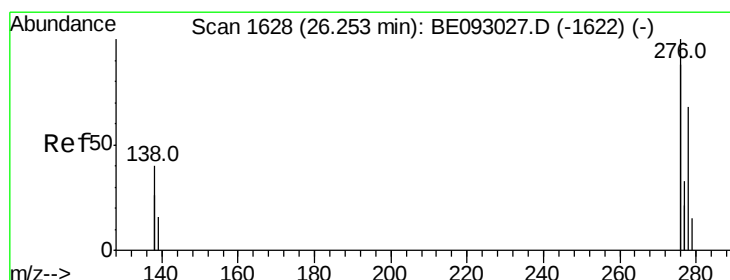
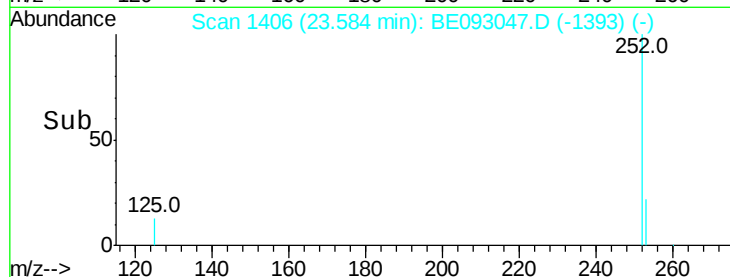
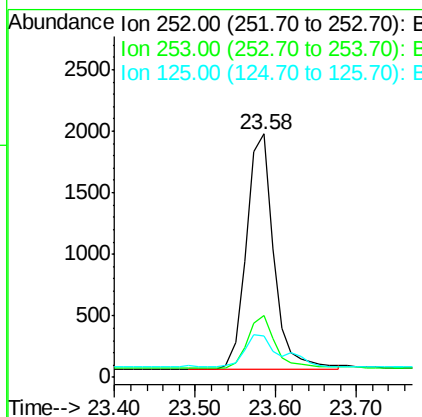
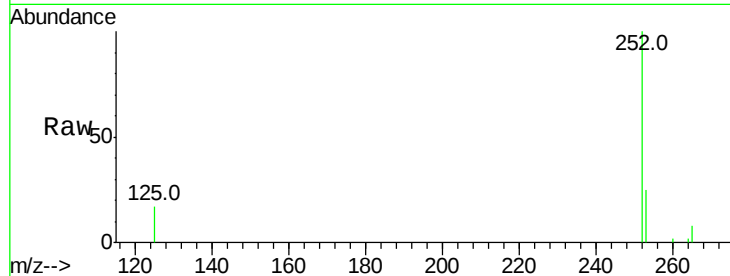




#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.58 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

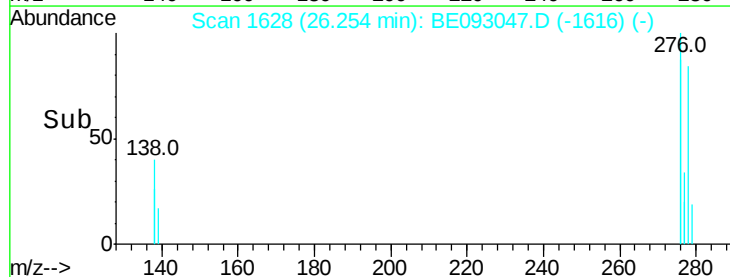
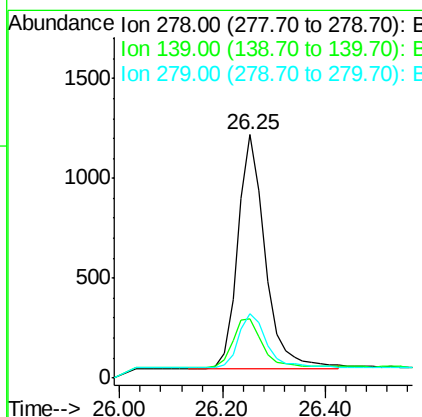
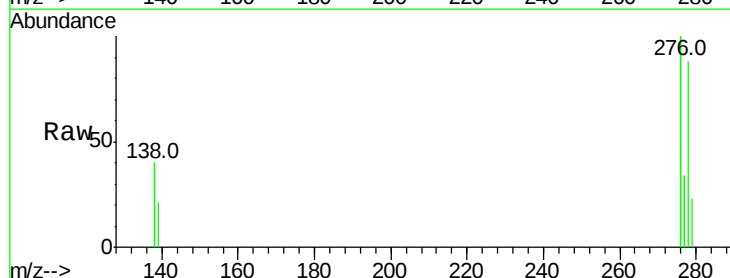
Instrument :
BNA_E
ClientSampleId :

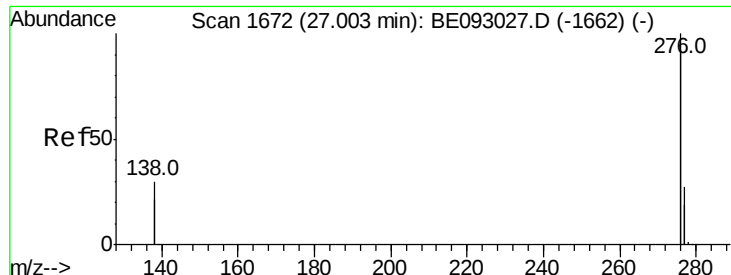
Tot Ion:252 Resp: 4497
Ion Ratio Lower Upper
252 100
253 25.2 19.9 29.9
125 17.0 14.6 21.8



#38
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.25 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE093047.D
Acq: 16 May 2017 10:28

Tgt Ion:278 Resp: 4341
Ion Ratio Lower Upper
278 100
139 24.3 21.4 32.0
279 26.3 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.35 ng

RT: 27.00 min Scan# 1672

Delta R.T. 0.00 min

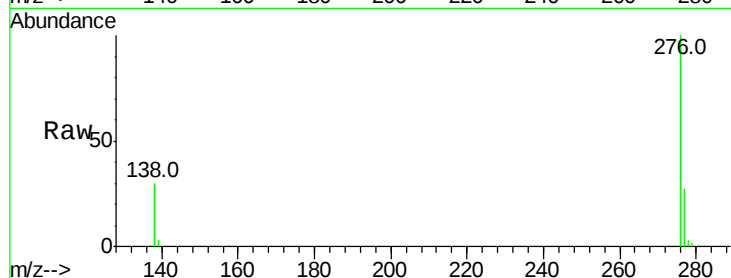
Lab File: BE093047.D

Acq: 16 May 2017 10:28

Instrument :

BNA_E

ClientSampleId :



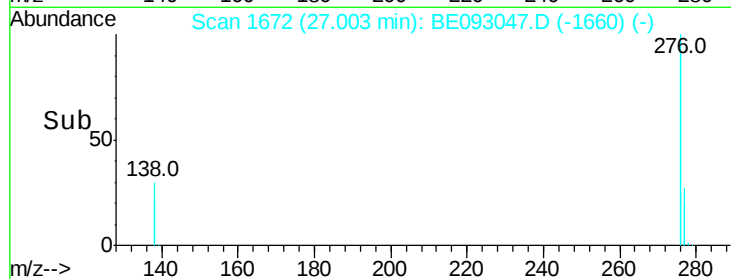
Tot Ion: 276 Resp: 18329

Ion Ratio Lower Upper

276 100

277 27.3 21.2 31.8

138 29.8 24.5 36.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

