

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
 Data File : BE093027.D
 Acq On : 15 May 2017 10:24
 Operator : SJ/MA
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 15 11:49:45 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 11:48:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	915	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3854	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1884	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5433	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5164	0.40	ng	0.00
34) Perylene-d12	23.70	264	4429	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	997	0.40	ng	0.00
5) Phenol-d6	6.92	99	1328	0.42	ng	0.00
8) Nitrobenzene-d5	8.88	82	1162	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	2019	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	192	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2780	0.37	ng	0.00
25) Fluoranthene-d10	19.14	212	4626	0.32	ng	0.00
29) Terphenyl-d14	19.74	244	3523	0.38	ng	0.00

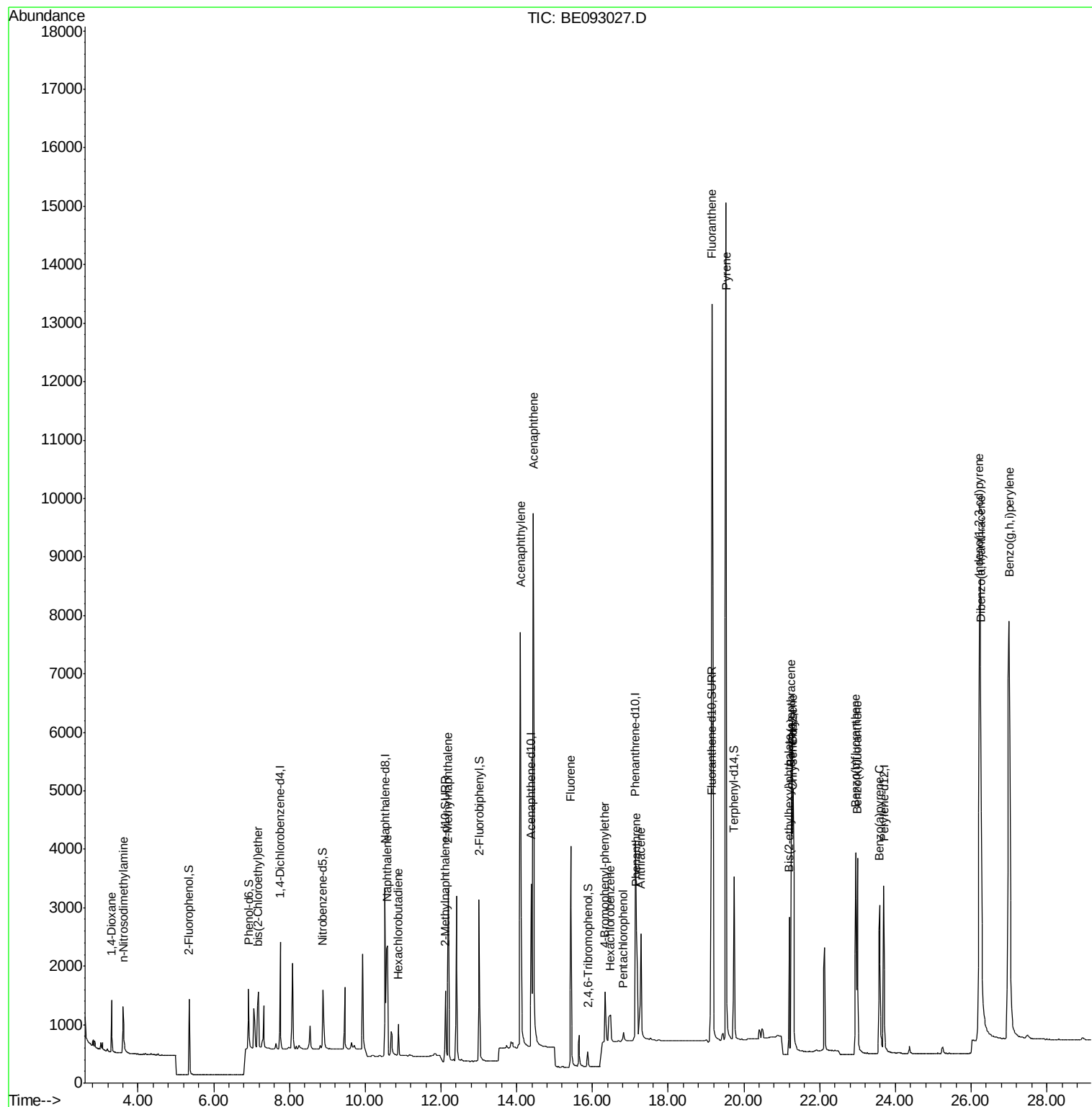
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	629	0.34	ng	99
3) n-Nitrosodimethylamine	3.61	42	579	0.37	ng	98
6) bis(2-Chloroethyl)ether	7.18	93	1083	0.35	ng	# 99
9) Naphthalene	10.58	128	3641	0.35	ng	99
10) Hexachlorobutadiene	10.87	225	470	0.33	ng	98
12) 2-Methylnaphthalene	12.19	142	2224	0.37	ng	96
16) Acenaphthylene	14.10	152	11203	0.35	ng	100
17) Acenaphthene	14.44	154	1994	0.34	ng	99
18) Fluorene	15.43	166	2567	0.35	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	1228	0.70	ng	# 1
21) Hexachlorobenzene	16.47	284	706	0.27	ng	# 100
22) Pentachlorophenol	16.82	266	181	0.28	ng	96
23) Phenanthrene	17.16	178	3569	0.27	ng	# 80
24) Anthracene	17.28	178	3237	0.29	ng	98
26) Fluoranthene	19.16	202	21109	0.30	ng	# 59
28) Pyrene	19.53	202	22939	0.35	ng	# 97
30) Benzo(a)anthracene	21.25	228	5024	0.40	ng	# 85
31) Chrysene	21.30	228	5338	0.34	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.20	149	2279	0.41	ng	97
33) Indeno(1,2,3-cd)pyrene	26.22	276	19395	0.38	ng	99
35) Benzo(b)fluoranthene	22.95	252	4791	0.34	ng	99
36) Benzo(k)fluoranthene	22.99	252	4951	0.35	ng	96
37) Benzo(a)pyrene	23.58	252	4382	0.35	ng	99
38) Dibenzo(a,h)anthracene	26.25	278	4126	0.37	ng	99
39) Benzo(g,h,i)perylene	27.00	276	18161	0.35	ng	99

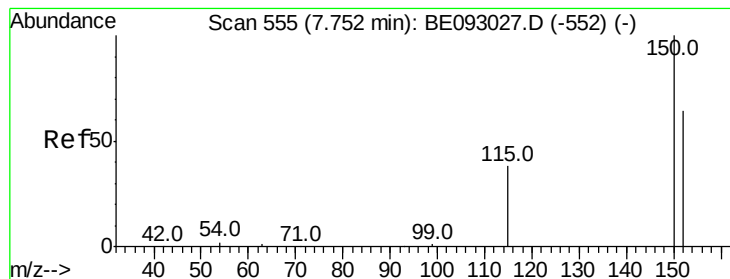
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

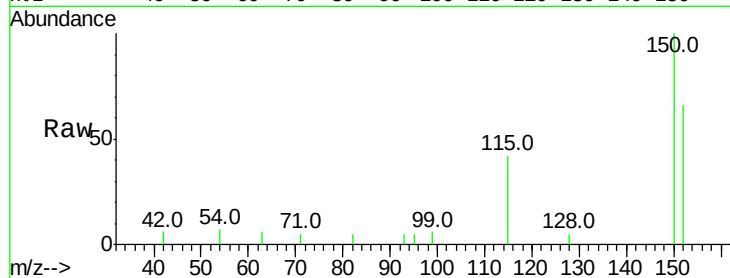
Tot Ion:152 Resp: 915

Ion Ratio Lower Upper

152 100

150 152.3 125.1 187.7

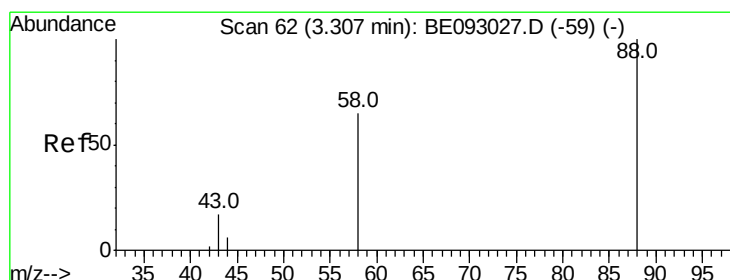
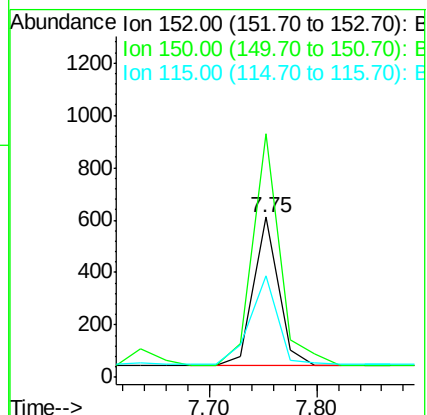
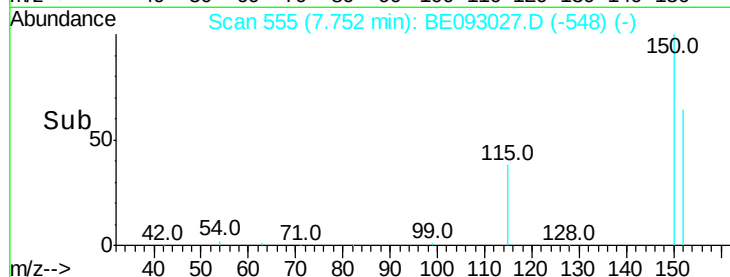
115 63.8 55.7 83.5



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: 0.34 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

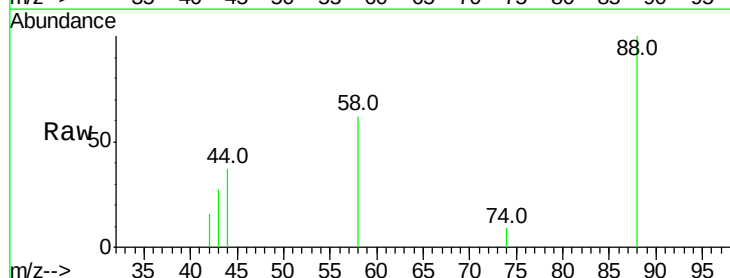
Tgt Ion: 88 Resp: 629

Ion Ratio Lower Upper

88 100

58 78.1 62.2 93.4

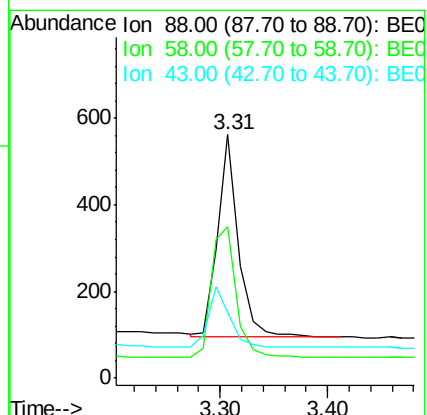
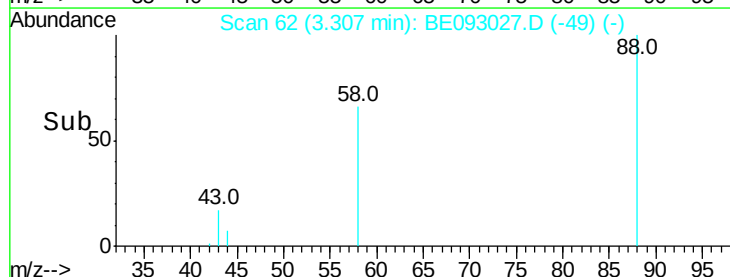
43 29.9 23.2 34.8

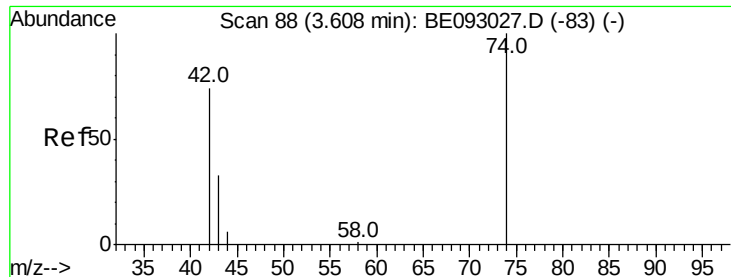


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.37 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

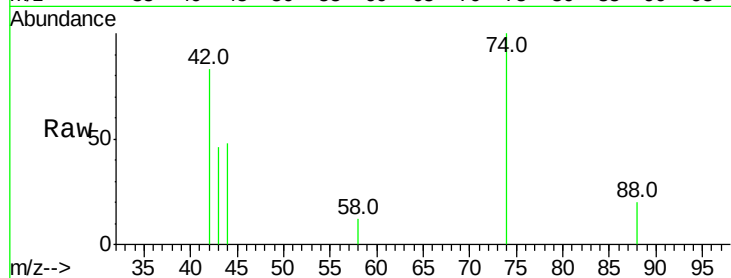
Tot Ion: 42 Resp: 579

Ion Ratio Lower Upper

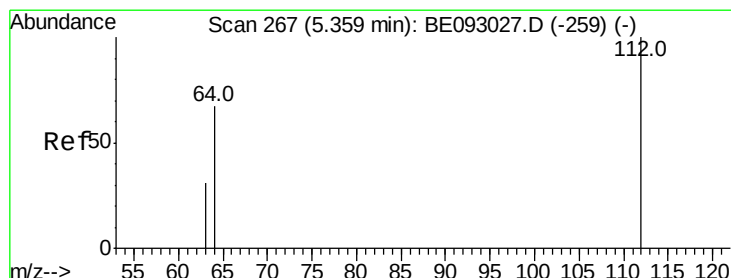
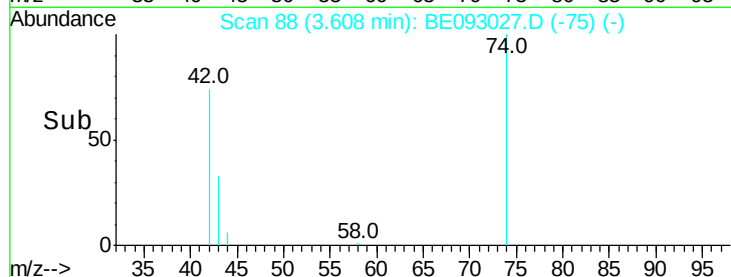
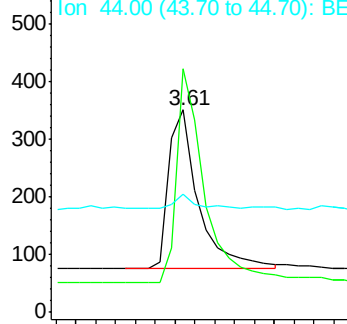
42 100

74 125.4 99.1 148.7

44 7.6 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: 0.40 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

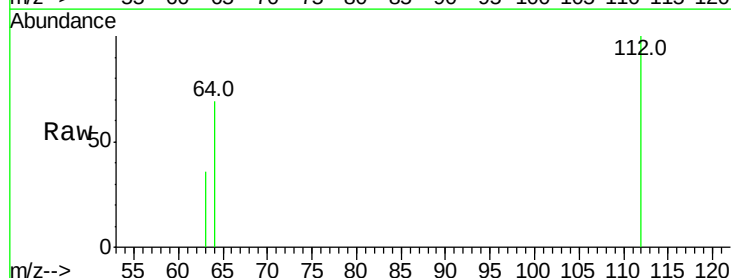
Tgt Ion: 112 Resp: 997

Ion Ratio Lower Upper

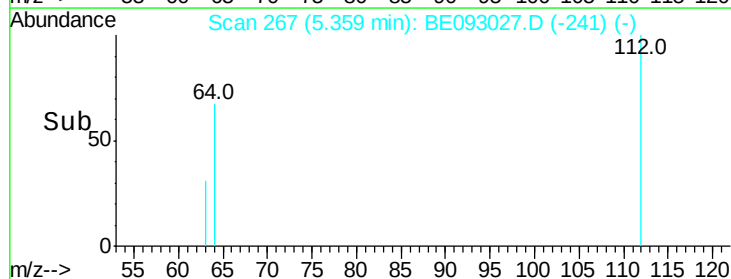
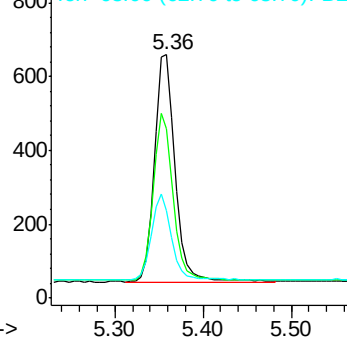
112 100

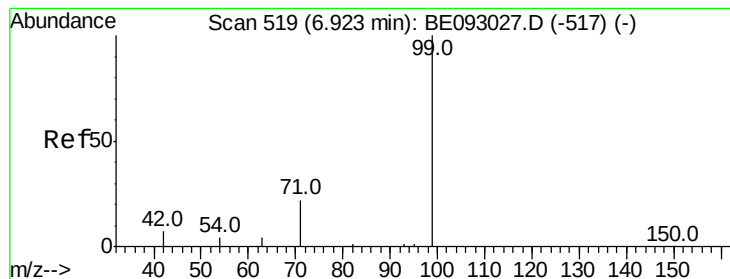
64 71.0 56.4 84.6

63 36.8 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: 0.42 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

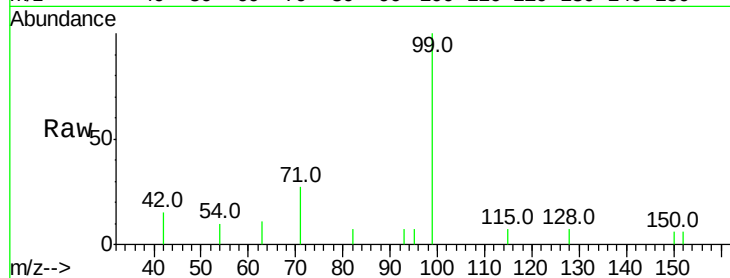
Tot Ion: 99 Resp: 1328

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

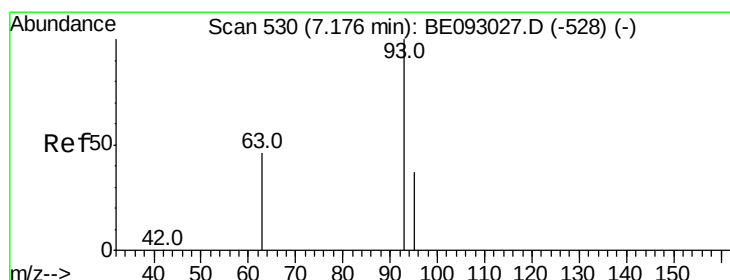
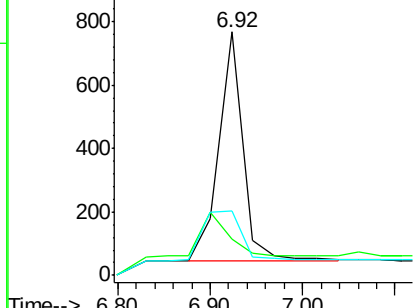
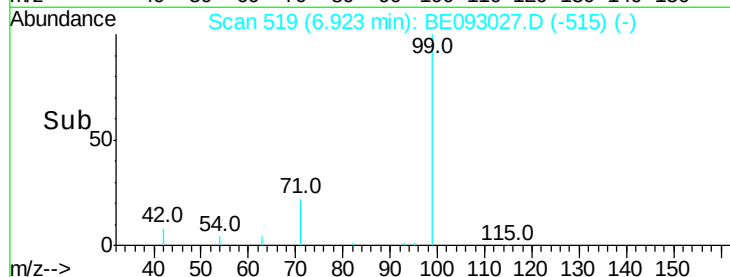
71 34.3 0.0 0.0#



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: 0.35 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

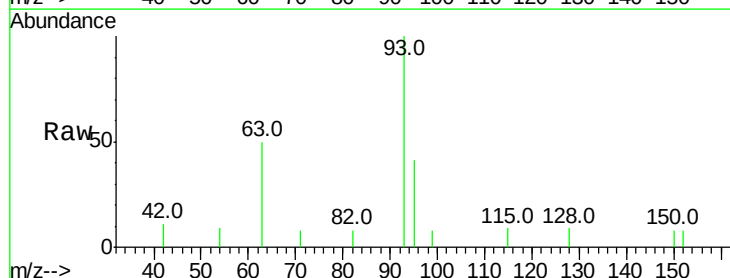
Tgt Ion: 93 Resp: 1083

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

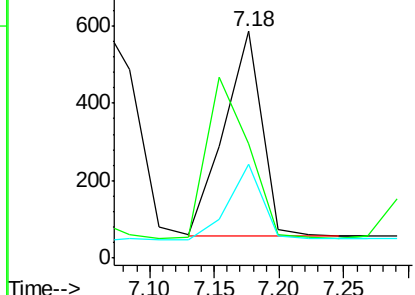
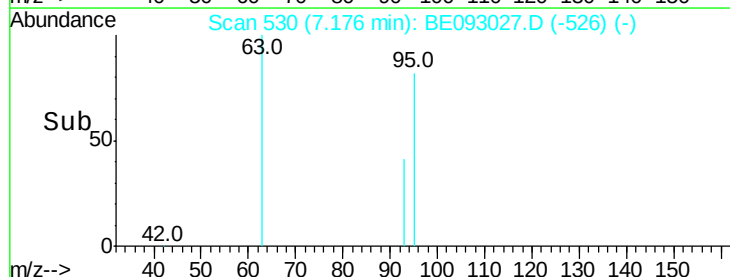
95 32.5 25.4 38.0

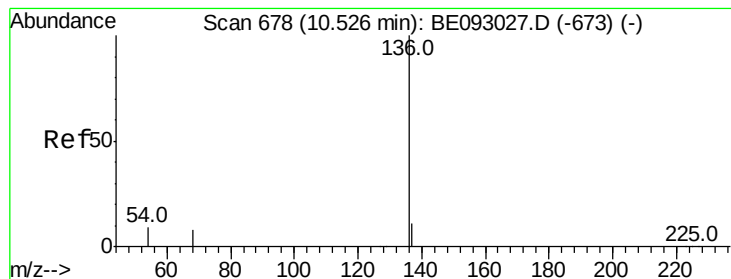


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3854

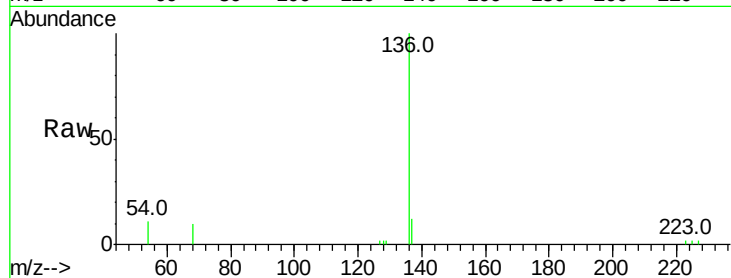
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 10.9 10.3 15.5

68 9.8 9.0 13.4

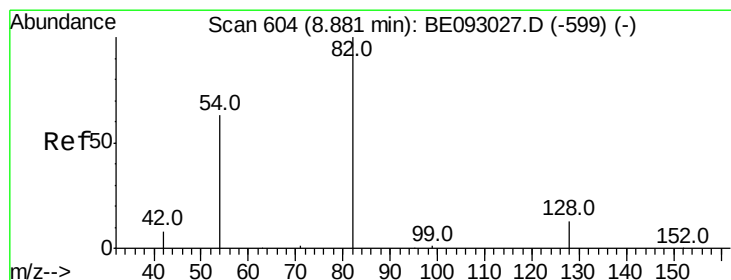
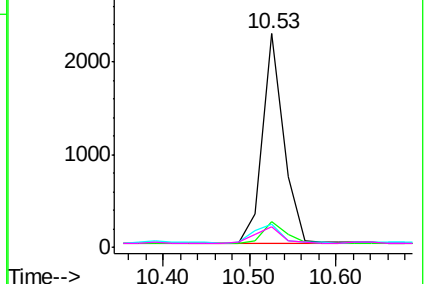
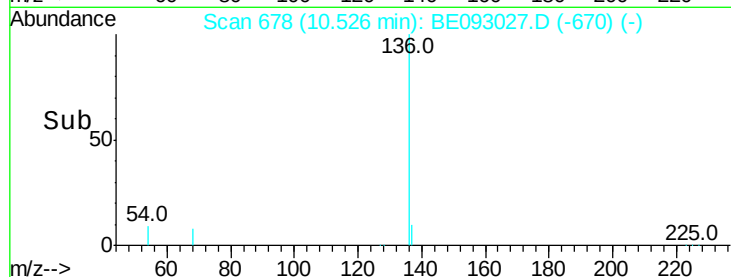


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

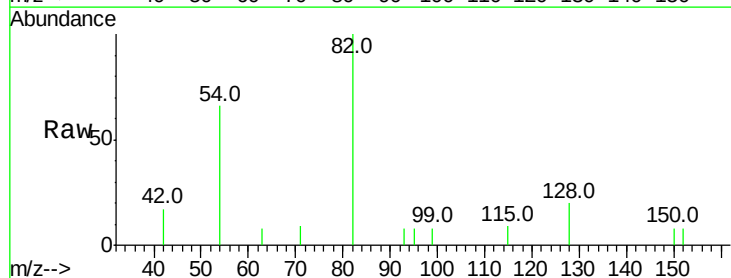
Tgt Ion: 82 Resp: 1162

Ion Ratio Lower Upper

82 100

128 19.9 17.0 25.4

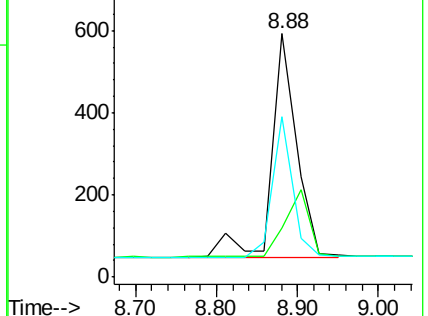
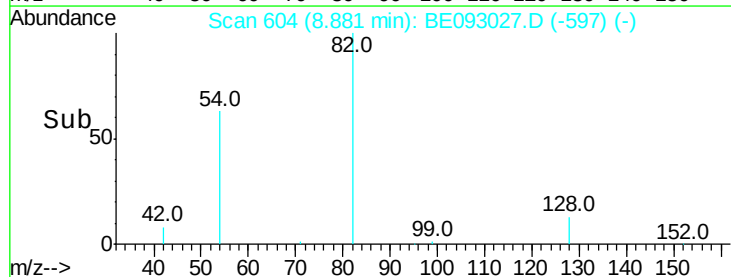
54 66.1 53.8 80.6

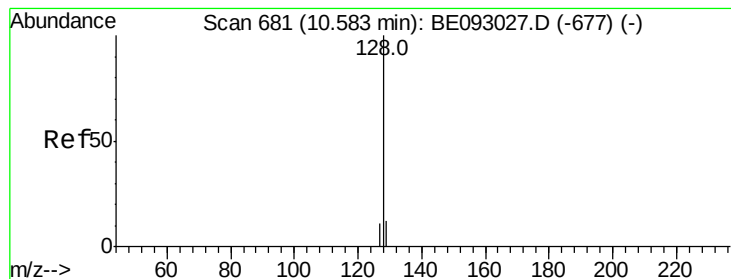


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

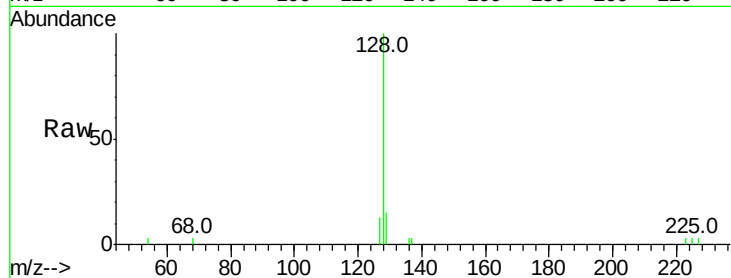
Tot Ion:128 Resp: 3641

Ion Ratio Lower Upper

128 100

129 14.6 11.4 17.0

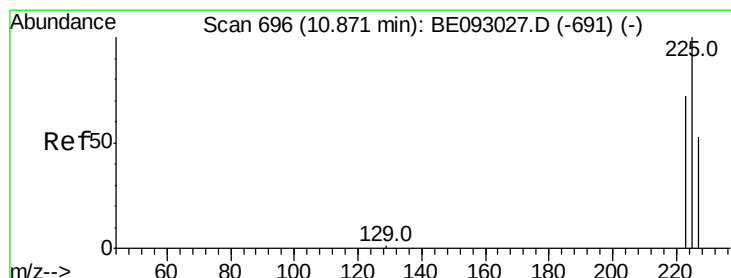
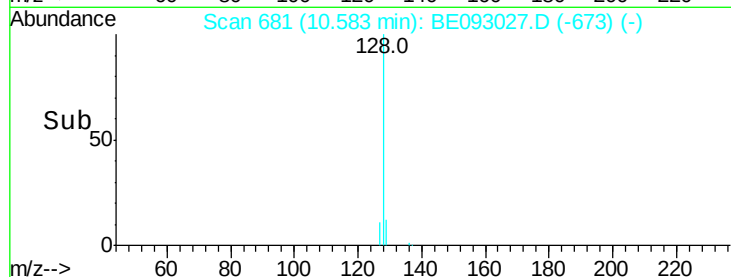
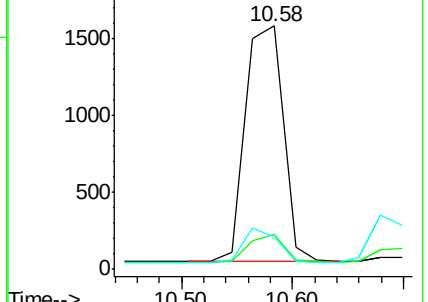
127 13.4 11.2 16.8



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: 0.33 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

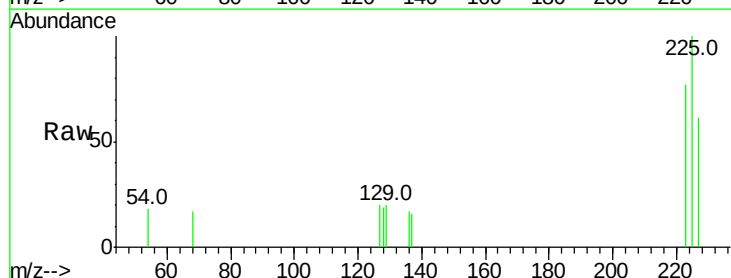
Tgt Ion:225 Resp: 470

Ion Ratio Lower Upper

225 100

223 64.5 49.7 74.5

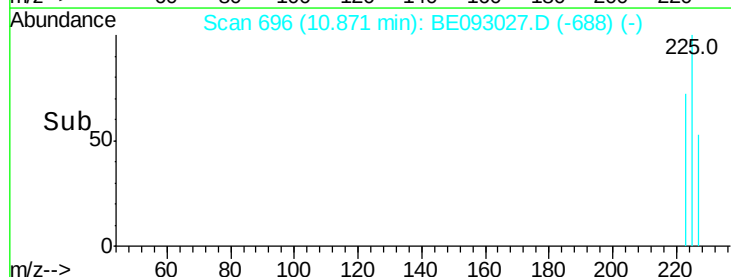
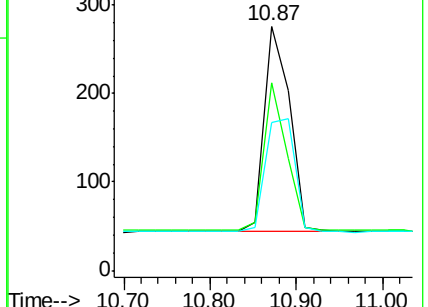
227 64.0 50.3 75.5

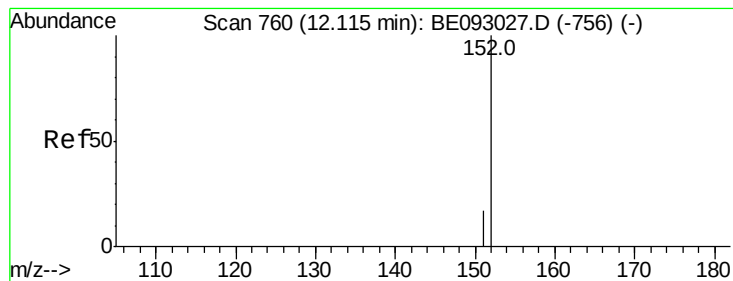


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.37 ng

RT: 12.12 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

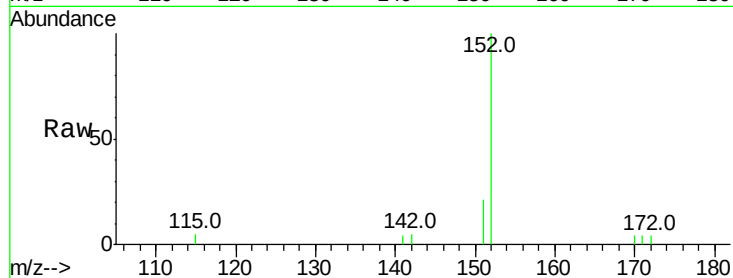
ClientSampleId :

Tot Ion:152 Resp: 2019

Ion Ratio Lower Upper

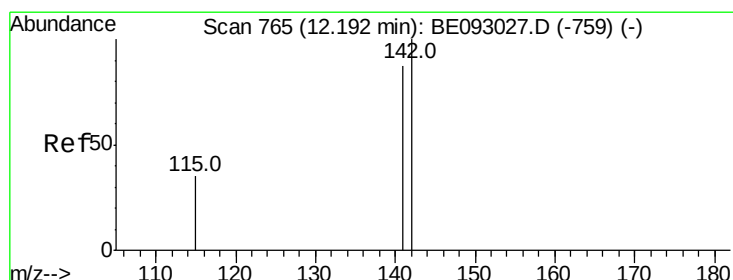
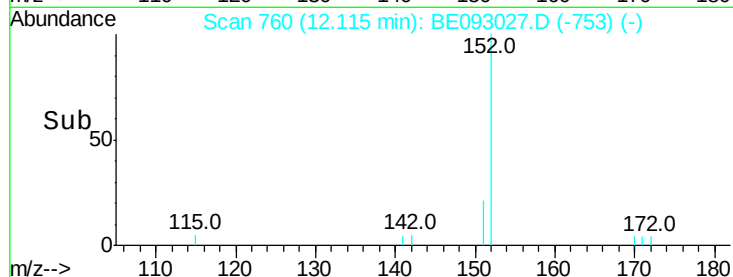
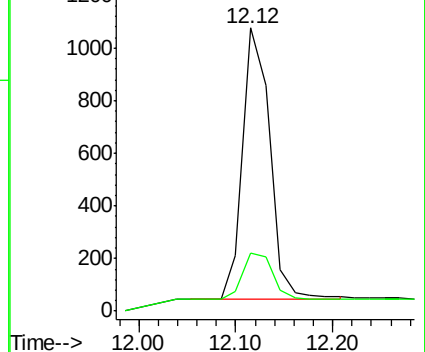
152 100

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: 0.37 ng

RT: 12.19 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

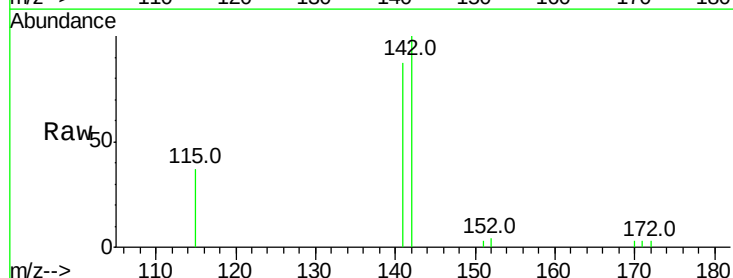
Tgt Ion:142 Resp: 2224

Ion Ratio Lower Upper

142 100

141 86.9 72.6 108.8

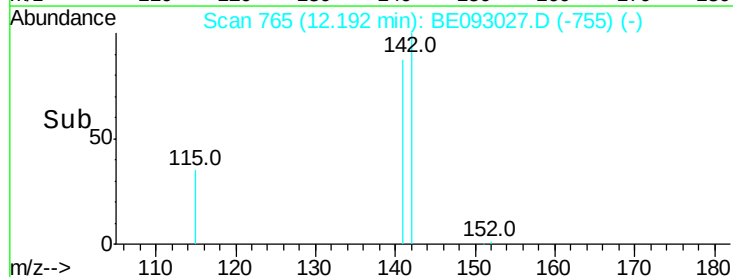
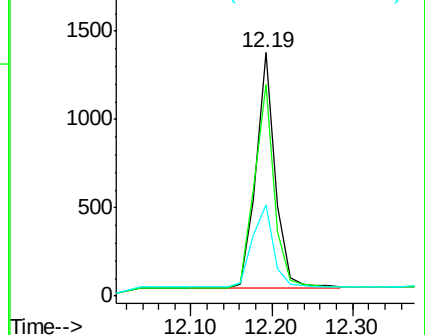
115 37.5 32.2 48.2

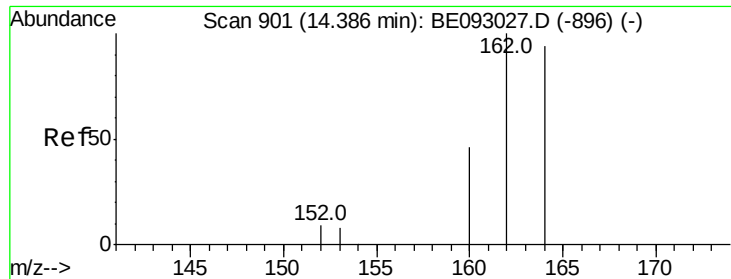


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

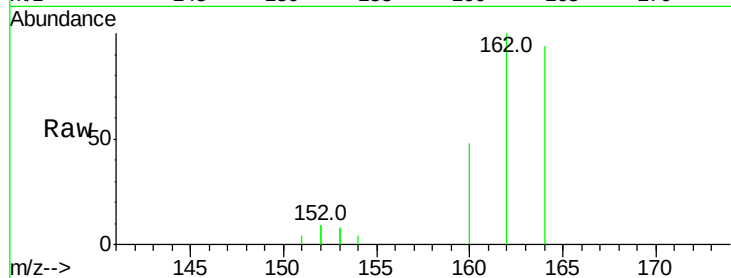
Tot Ion:164 Resp: 1884

Ion Ratio Lower Upper

164 100

162 106.2 84.6 127.0

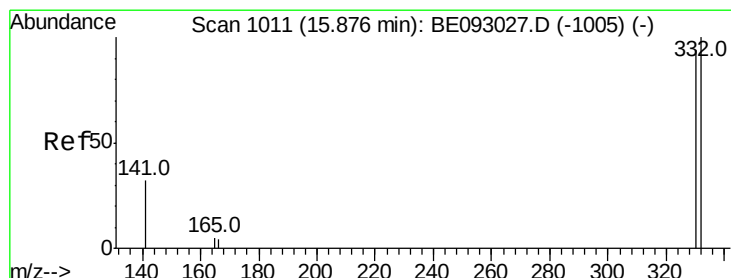
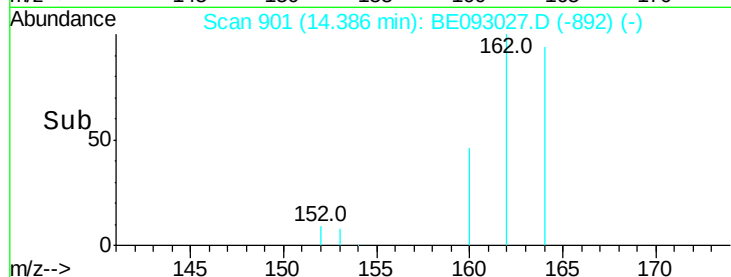
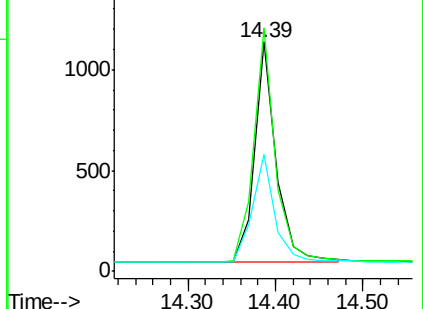
160 50.7 41.8 62.6



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: BE093027.D

Acq: 15 May 2017 10:24

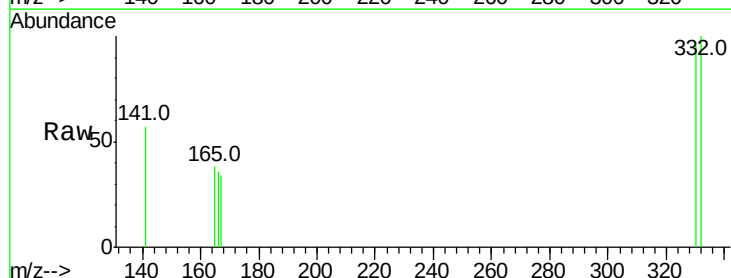
Tgt Ion:330 Resp: 192

Ion Ratio Lower Upper

330 100

332 96.4 77.7 116.5

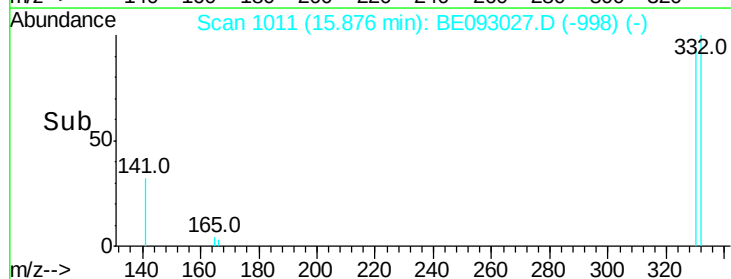
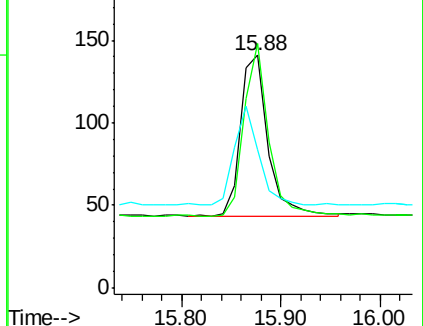
141 53.6 56.2 84.4#

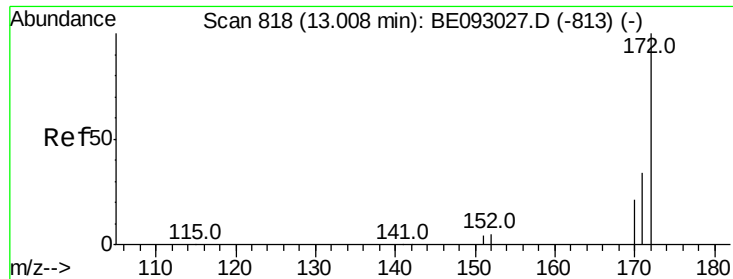


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

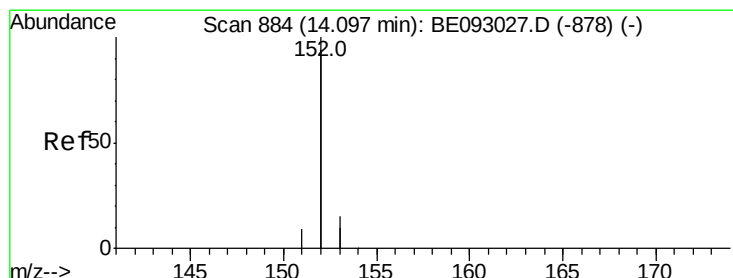
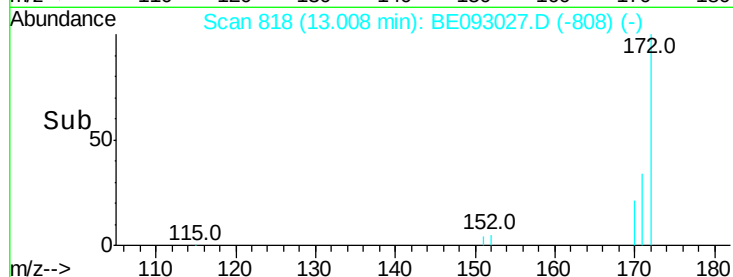
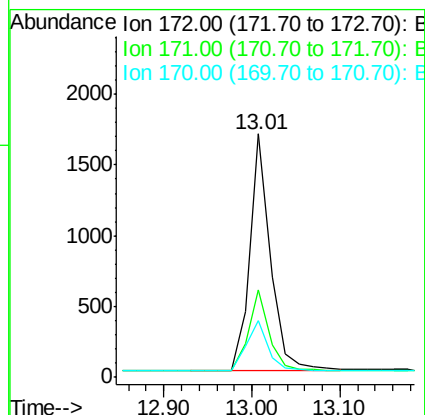
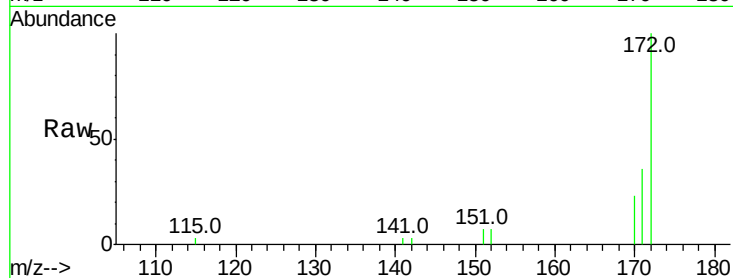




#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.01 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

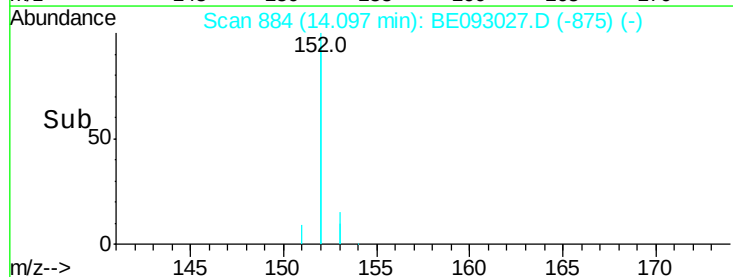
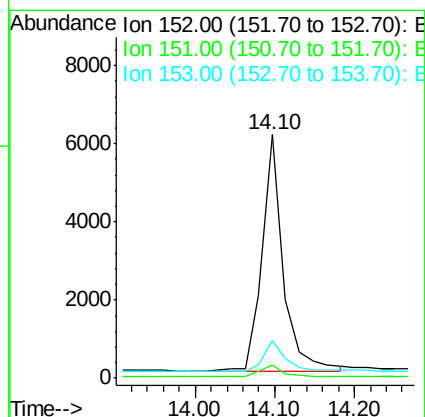
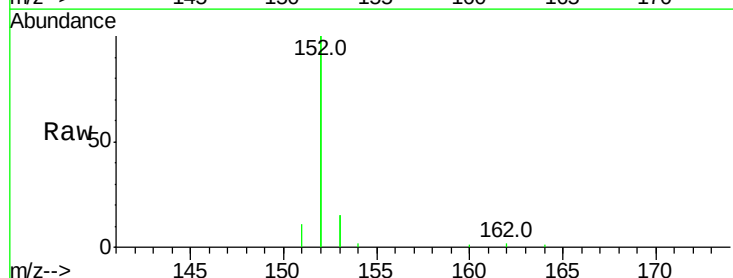
Instrument :
BNA_E
ClientSampleId :

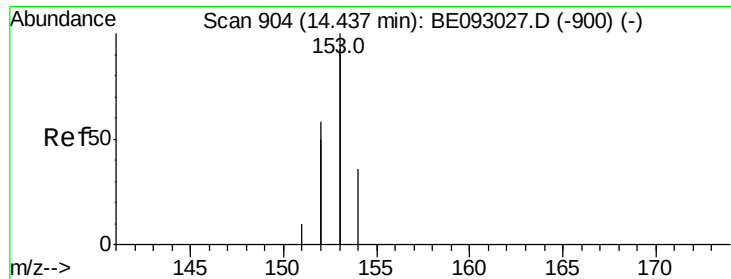
Tot Ion:172 Resp: 2780
Ion Ratio Lower Upper
172 100
171 35.8 29.8 44.6
170 23.5 20.7 31.1



#16
Acenaphthylene
Concen: 0.35 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:152 Resp: 11203
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 13.1 10.3 15.5

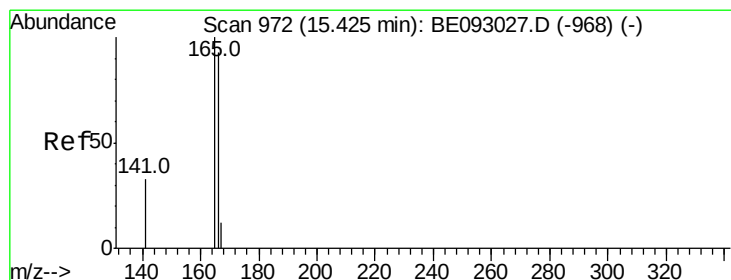
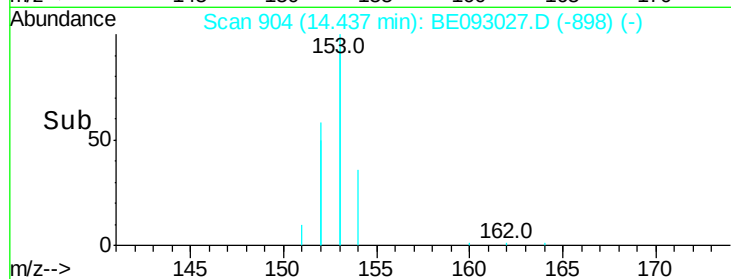
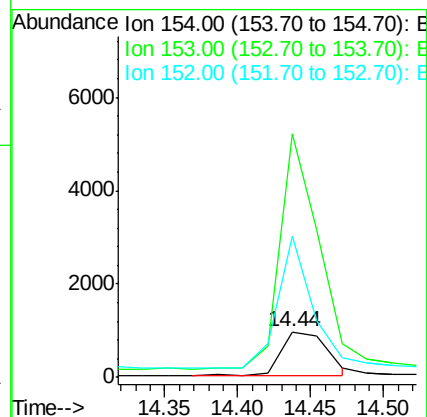
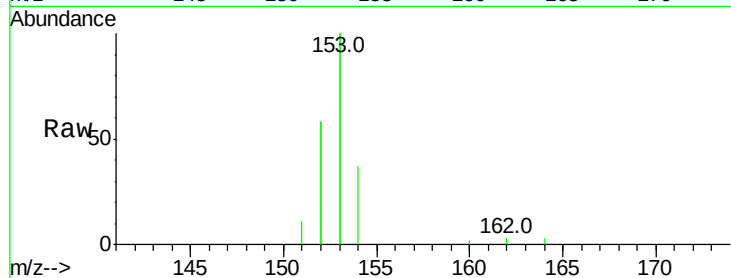




#17
Acenaphthene
Concen: 0.34 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

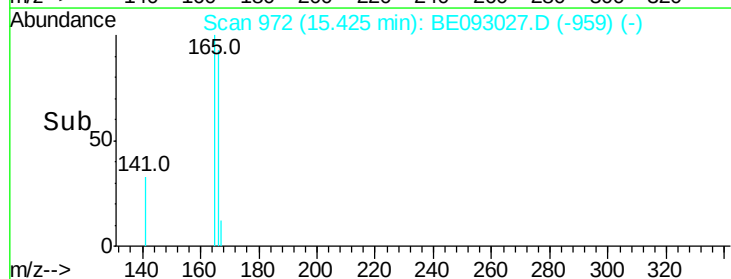
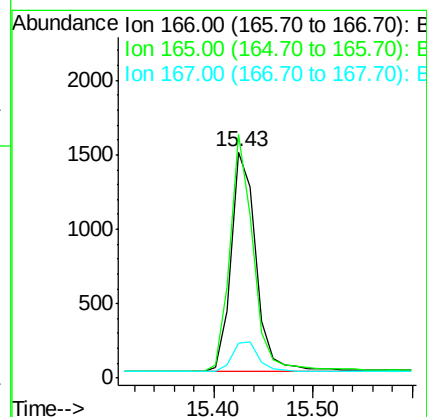
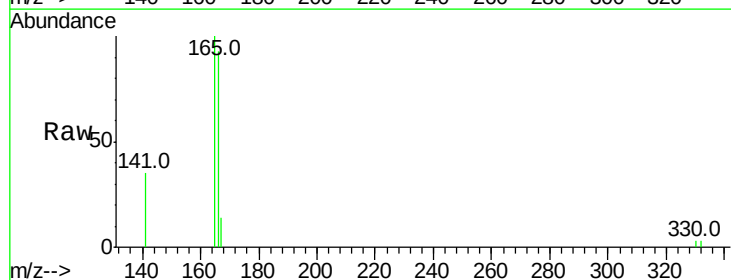
Instrument :
BNA_E
ClientSampleId :

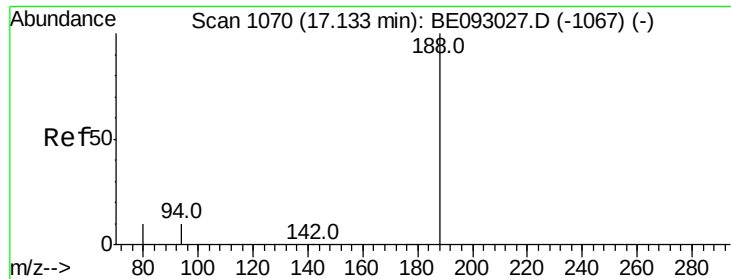
Tot Ion:154 Resp: 1994
Ion Ratio Lower Upper
154 100
153 463.9 367.8 551.6
152 233.2 188.2 282.2



#18
Fluorene
Concen: 0.35 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:166 Resp: 2567
Ion Ratio Lower Upper
166 100
165 100.2 78.6 117.8
167 14.1 11.1 16.7

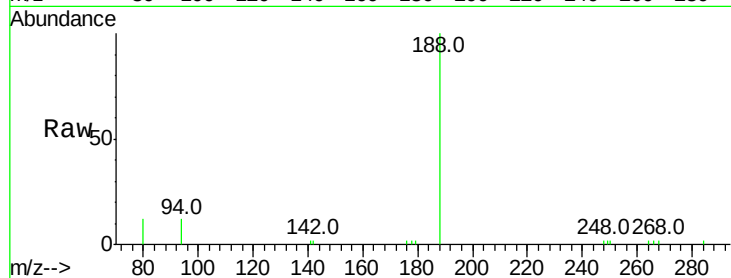




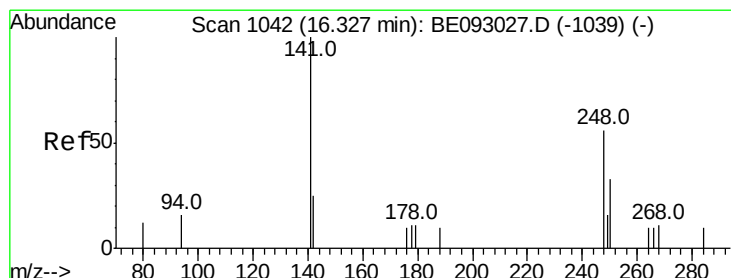
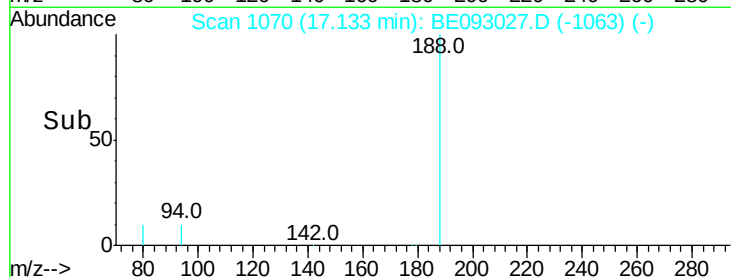
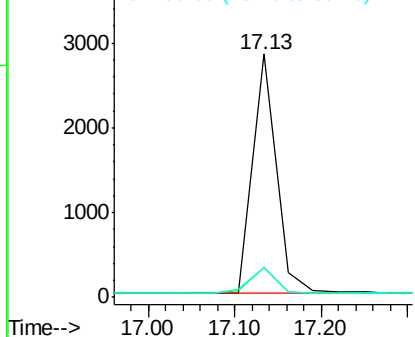
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 5433
Ion Ratio Lower Upper
188 100
94 12.0 11.3 16.9
80 12.0 11.7 17.5

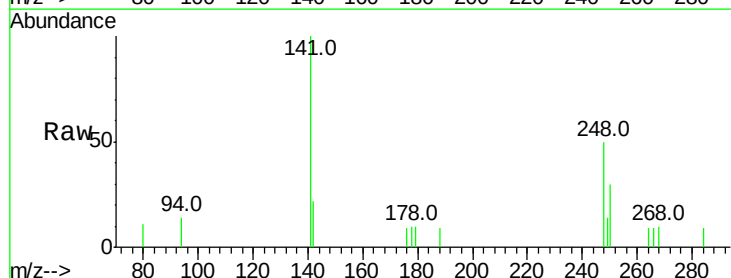


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

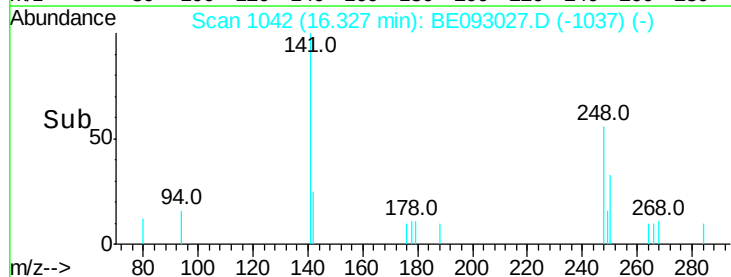
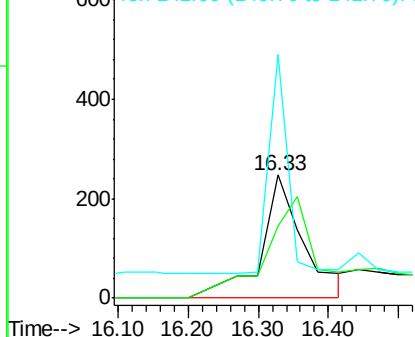


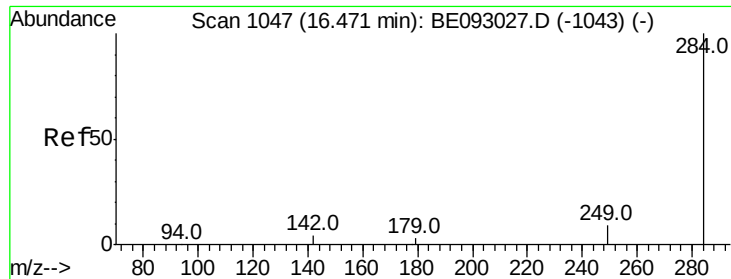
#20
4-Bromophenyl-phenylether
Concen: 0.70 ng
RT: 16.33 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:248 Resp: 1228
Ion Ratio Lower Upper
248 100
250 58.7 100.0 150.0#
141 198.4 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

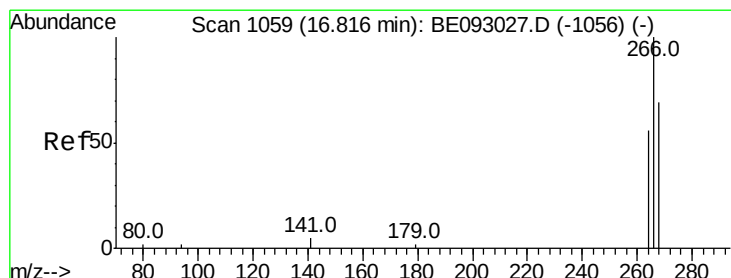
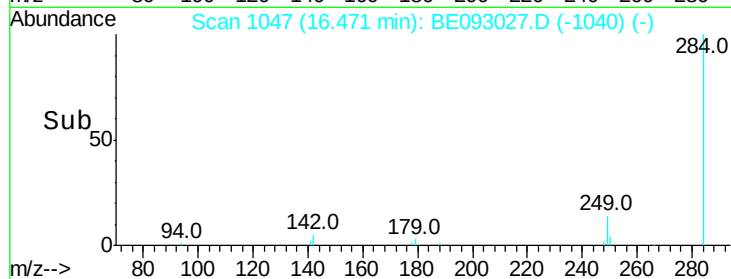
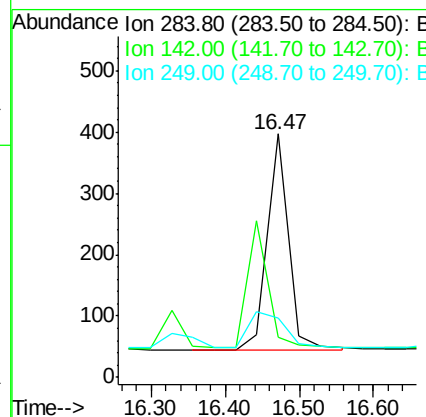
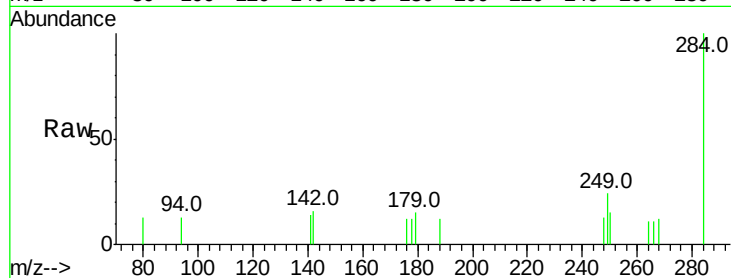




#21
Hexachlorobenzene
Concen: 0.27 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

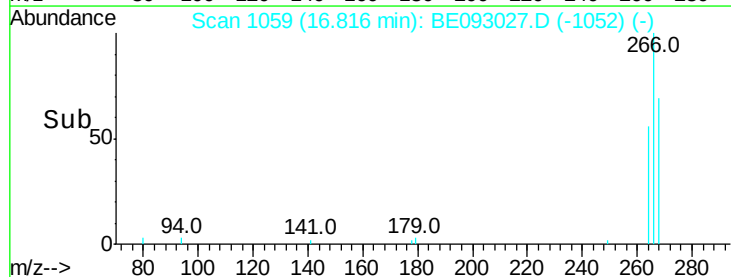
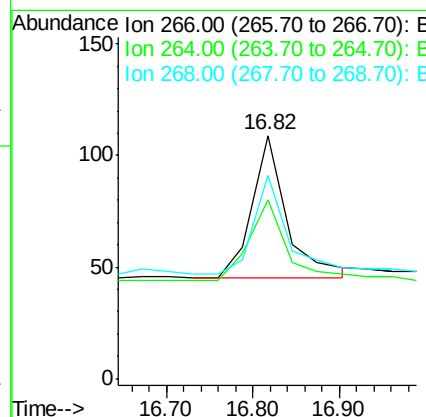
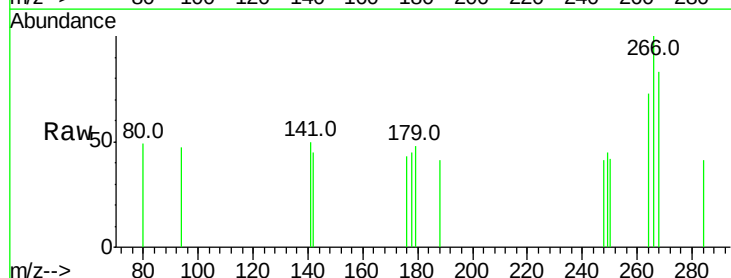
Instrument :
BNA_E
ClientSampled :

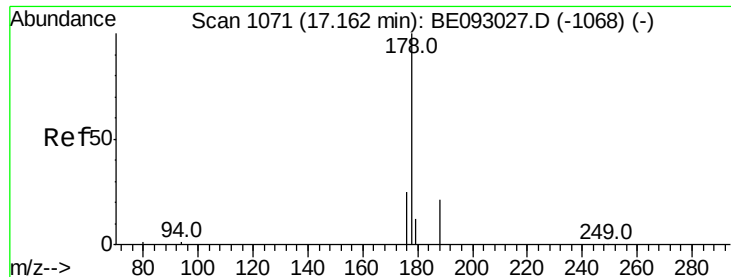
Tot Ion:284 Resp: 706
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 0.28 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:266 Resp: 181
Ion Ratio Lower Upper
266 100
264 73.4 58.2 87.2
268 83.5 71.9 107.9





#23

Phenanthrene

Concen: 0.27 ng

RT: 17.16 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

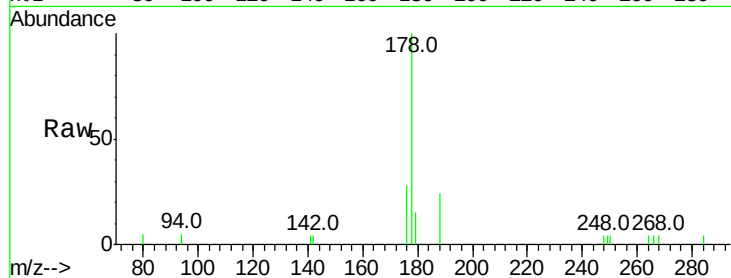
Tot Ion:178 Resp: 3569

Ion Ratio Lower Upper

178 100

176 20.8 15.0 22.4

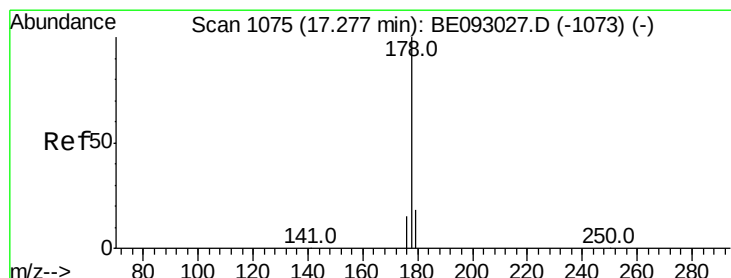
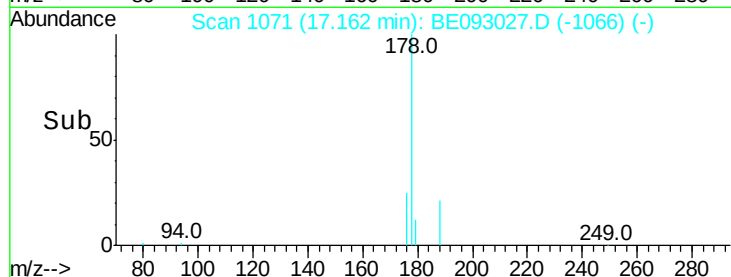
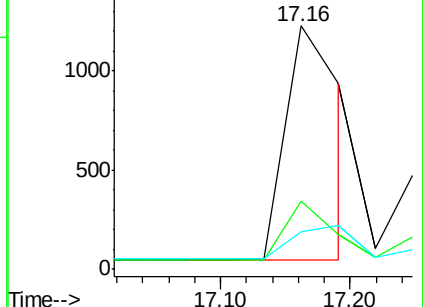
179 0.0 12.7 19.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.29 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

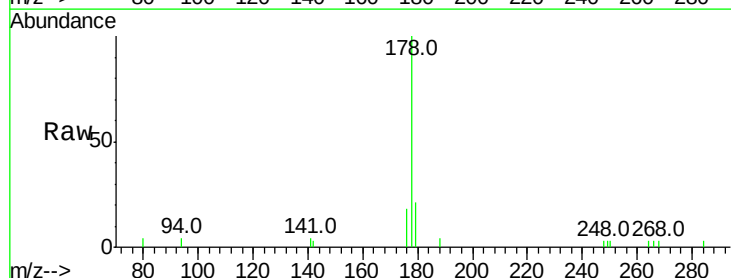
Tgt Ion:178 Resp: 3237

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

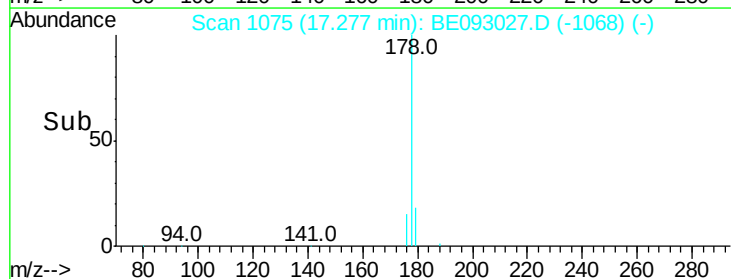
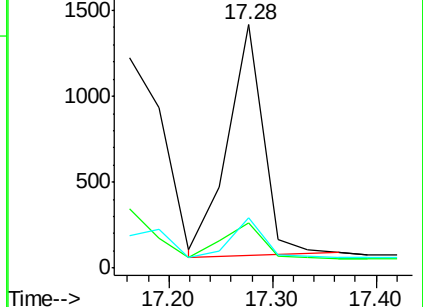
179 16.3 12.0 18.0

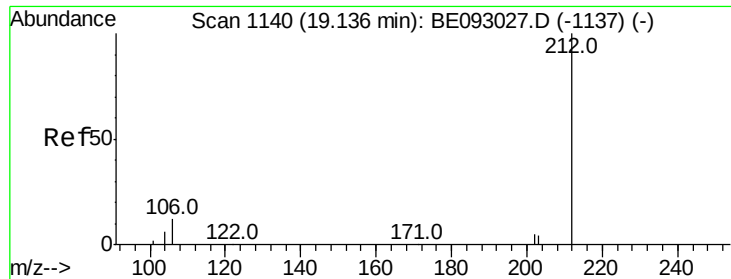


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

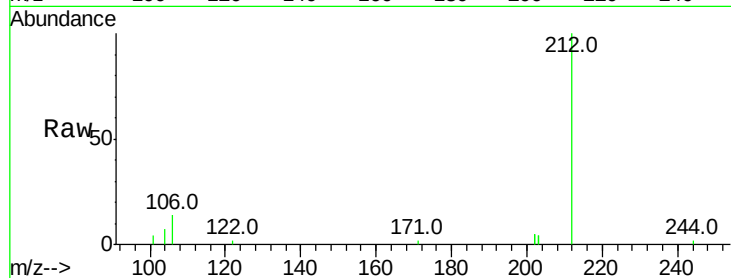




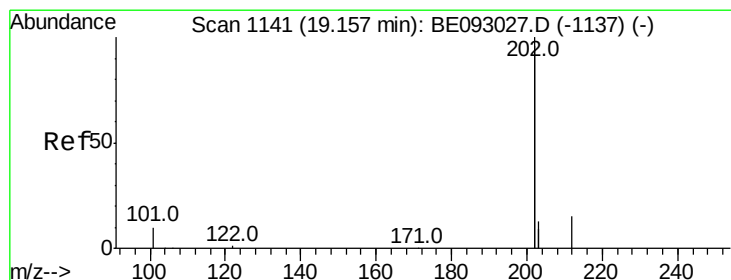
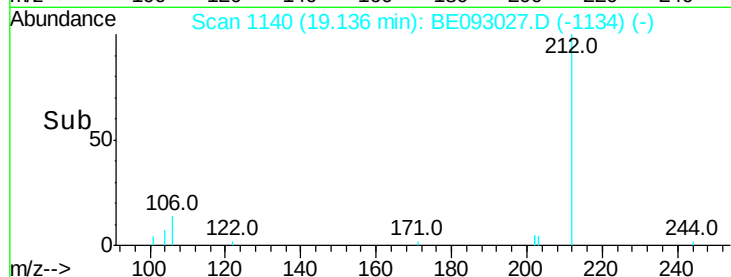
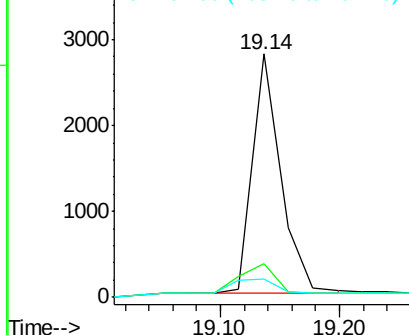
#25
Fluoranthene-d10
Concen: 0.32 ng
RT: 19.14 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:212 Resp: 4626
Ion Ratio Lower Upper
212 100
106 15.6 0.0 0.0#
104 8.8 0.0 0.0#

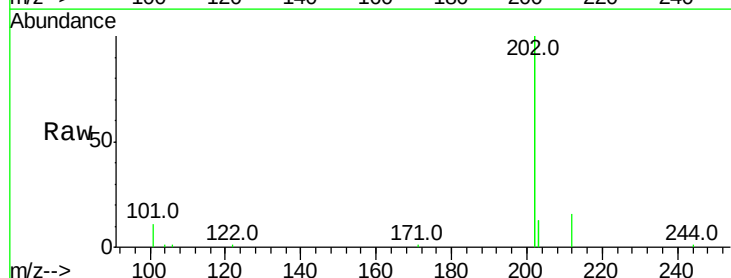


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

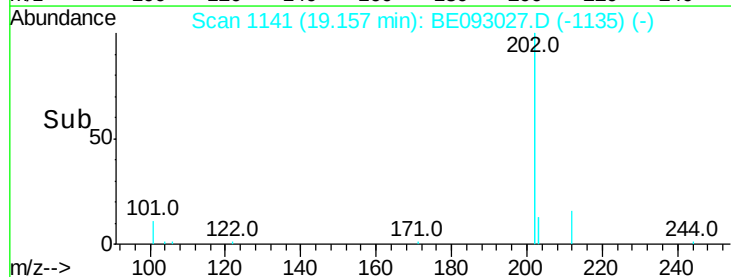
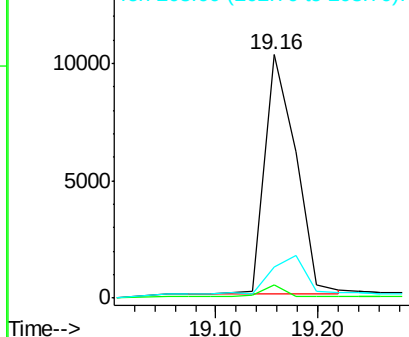


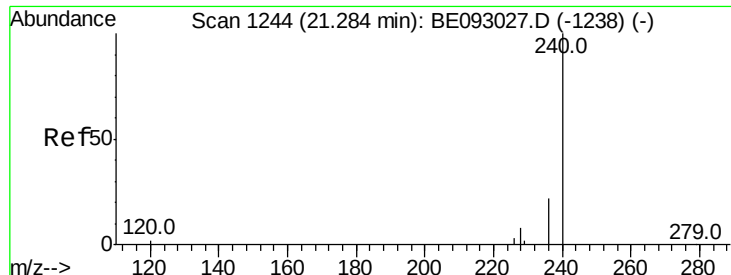
#26
Fluoranthene
Concen: 0.30 ng
RT: 19.16 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:202 Resp: 21109
Ion Ratio Lower Upper
202 100
101 3.7 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

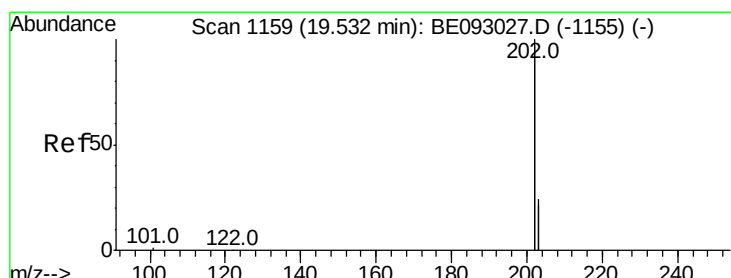
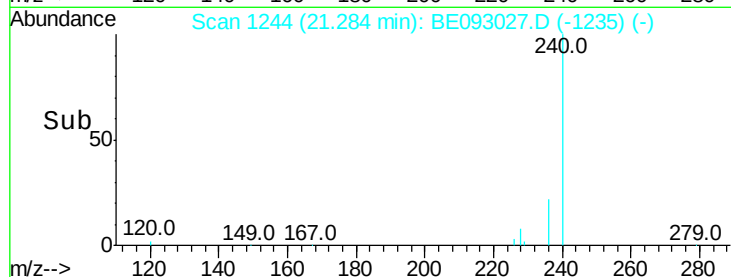
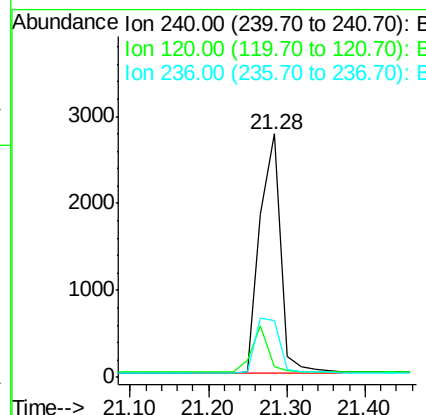
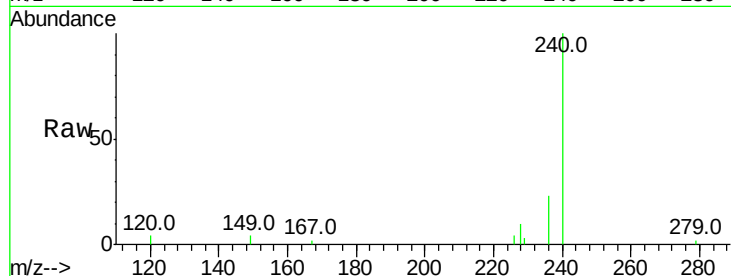




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

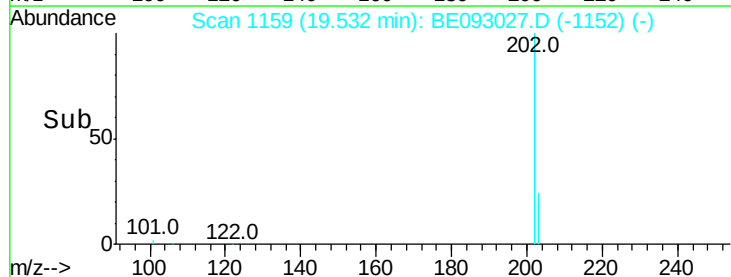
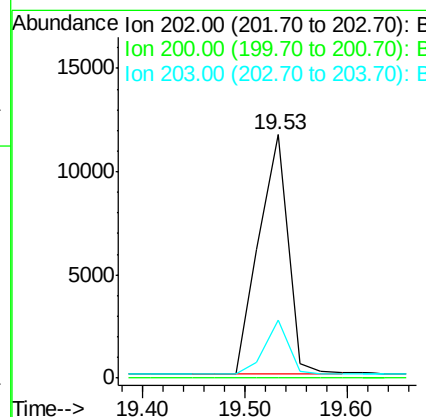
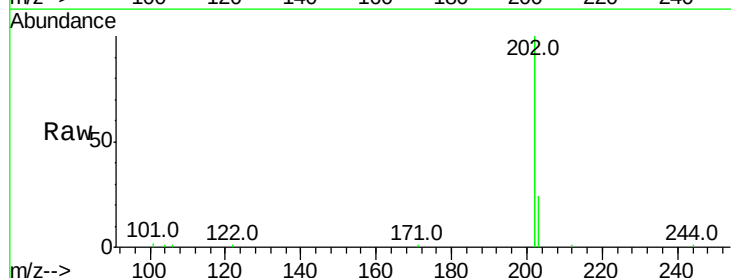
Instrument :
BNA_E
ClientSampleId :

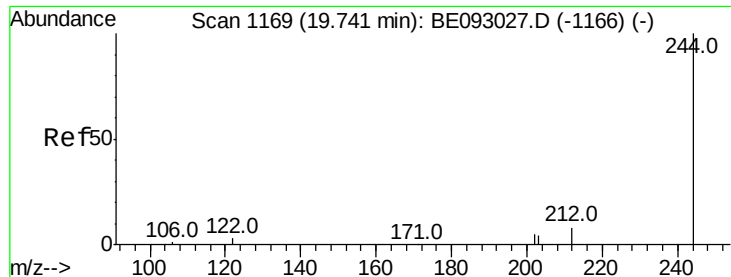
Tot Ion:240 Resp: 5164
Ion Ratio Lower Upper
240 100
120 4.2 4.6 7.0#
236 23.3 20.8 31.2



#28
Pyrene
Concen: 0.35 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:202 Resp: 22939
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.4 13.7 20.5





#29

Terphenyl-d14

Concen: 0.38 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

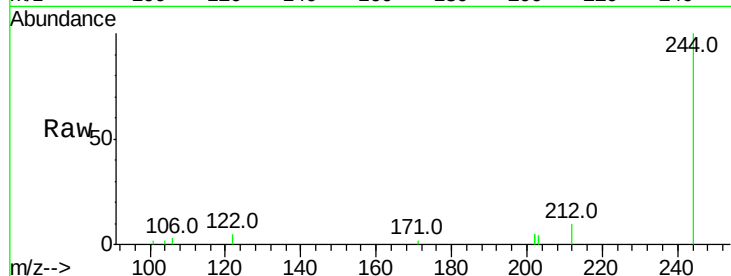
Tot Ion:244 Resp: 3523

Ion Ratio Lower Upper

244 100

212 9.6 10.6 16.0#

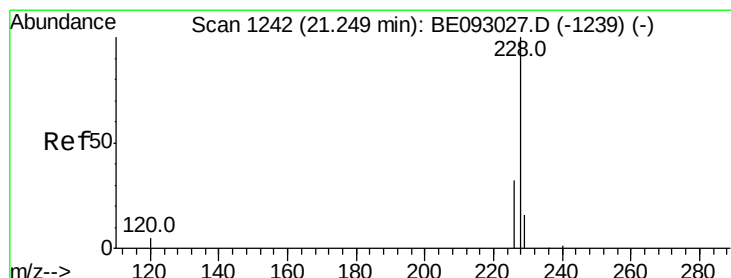
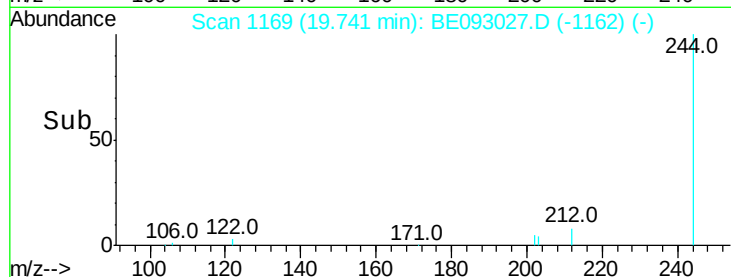
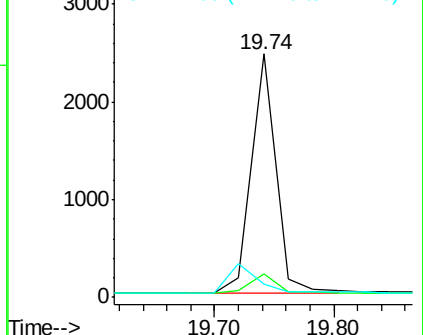
122 5.2 15.4 23.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.40 ng

RT: 21.25 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

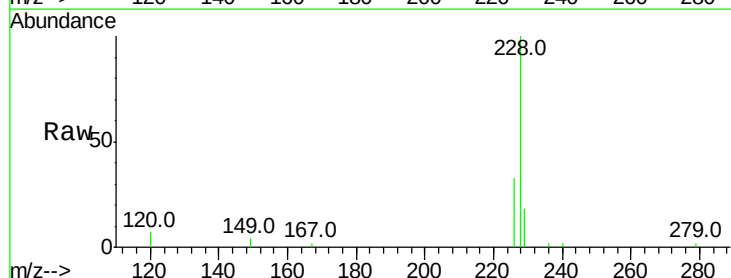
Tgt Ion:228 Resp: 5024

Ion Ratio Lower Upper

228 100

226 32.8 19.7 29.5#

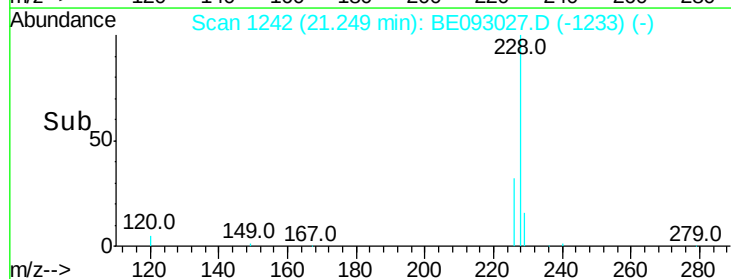
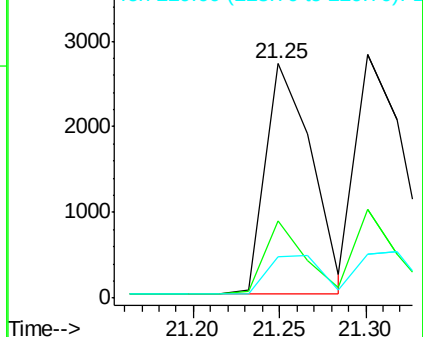
229 17.5 19.2 28.8#

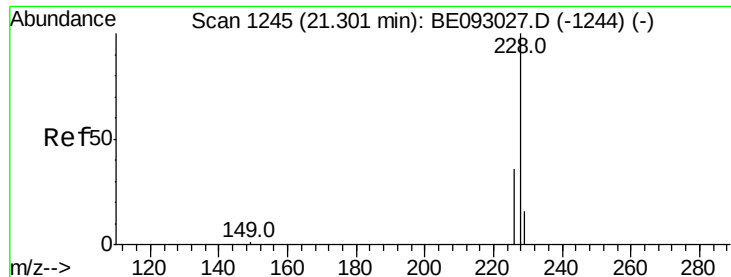


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.34 ng

RT: 21.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

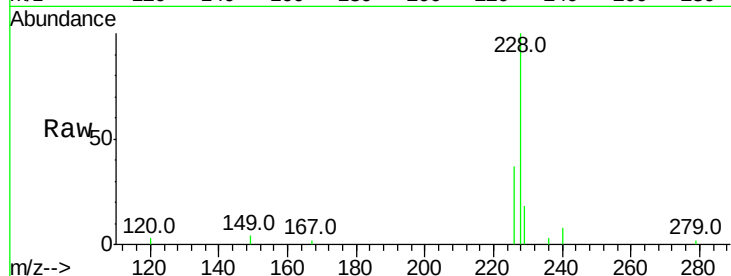
Tot Ion:228 Resp: 5338

Ion Ratio Lower Upper

228 100

226 36.5 21.5 32.3#

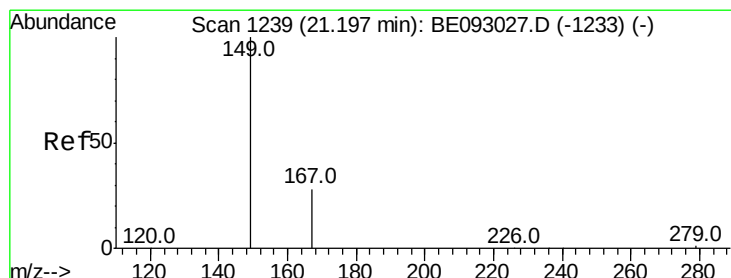
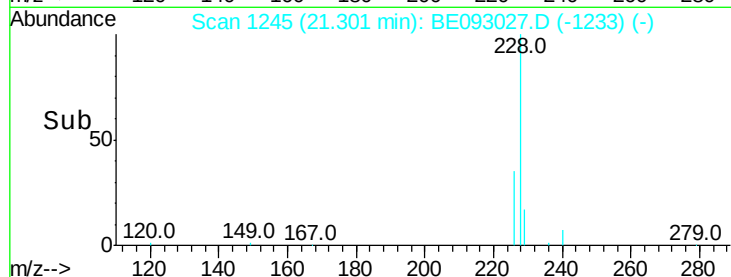
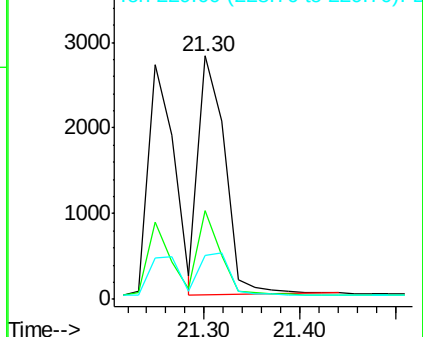
229 17.9 18.6 28.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

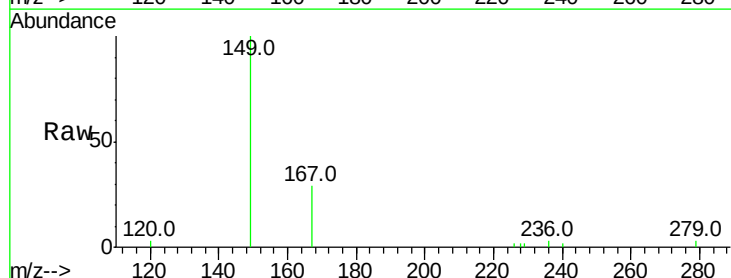
Tgt Ion:149 Resp: 2279

Ion Ratio Lower Upper

149 100

167 26.9 20.1 30.1

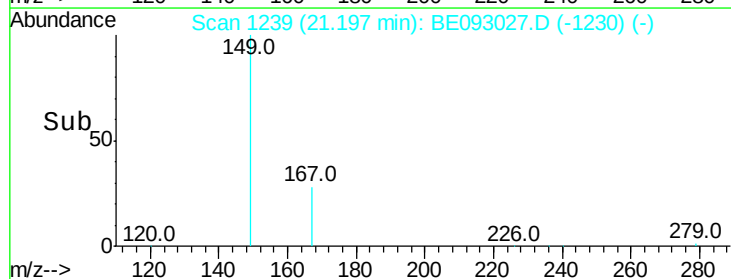
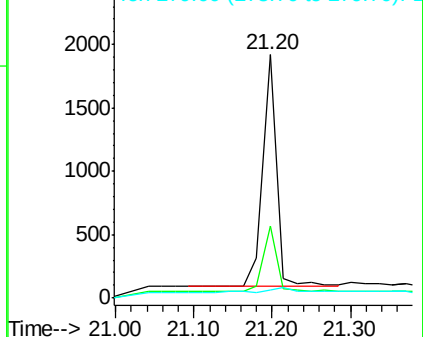
279 2.4 2.2 3.4

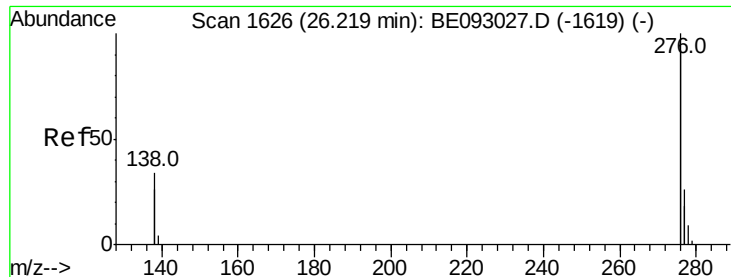


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.38 ng

RT: 26.22 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :

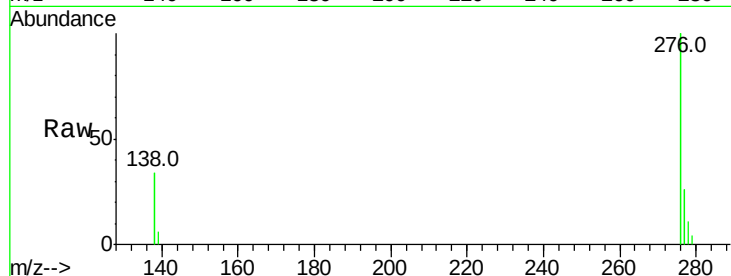
Tot Ion:276 Resp: 19395

Ion Ratio Lower Upper

276 100

138 33.7 27.4 41.2

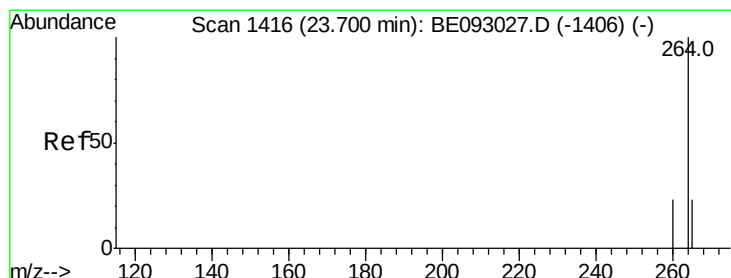
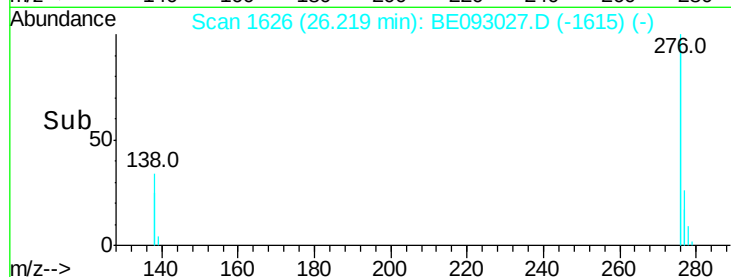
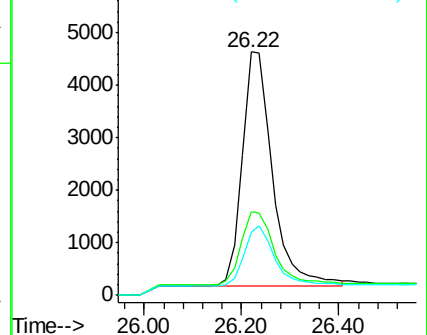
277 25.1 20.1 30.1



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

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BE093027.D

Acq: 15 May 2017 10:24

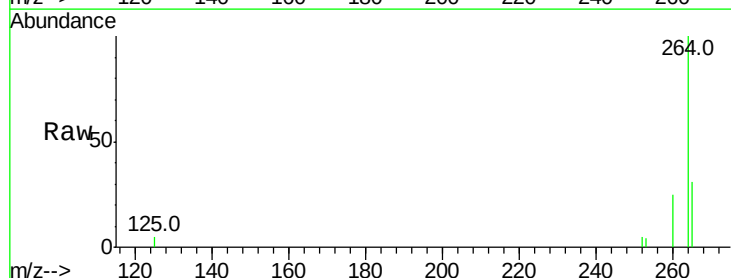
Tgt Ion:264 Resp: 4429

Ion Ratio Lower Upper

264 100

260 25.1 21.0 31.4

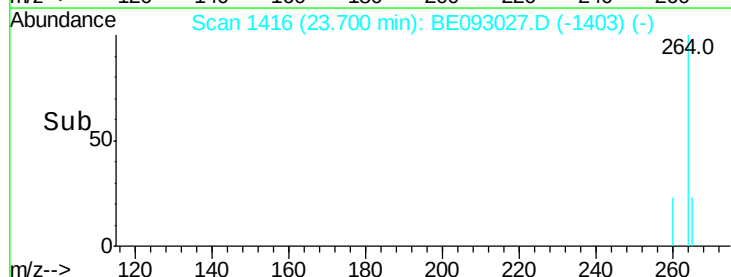
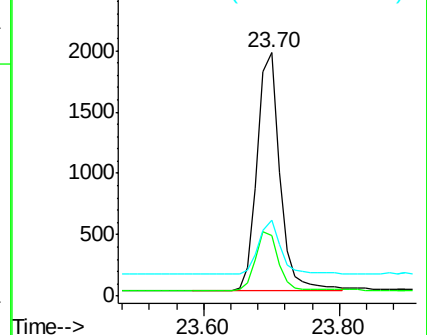
265 31.3 24.6 36.8

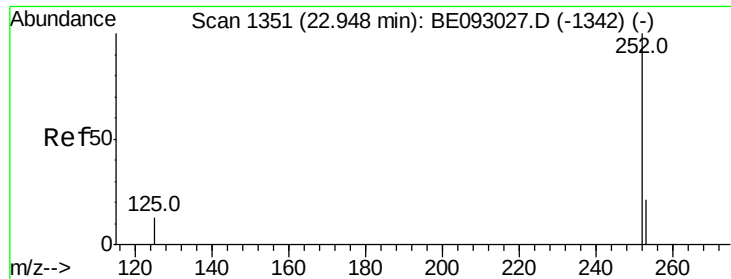


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

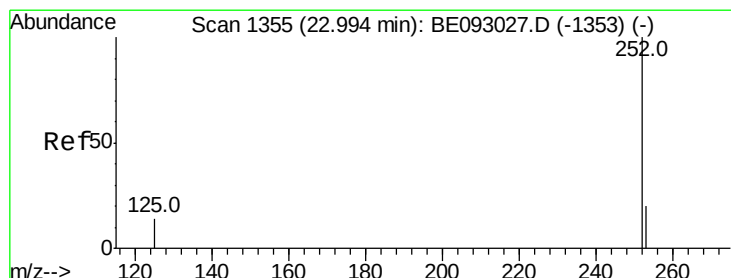
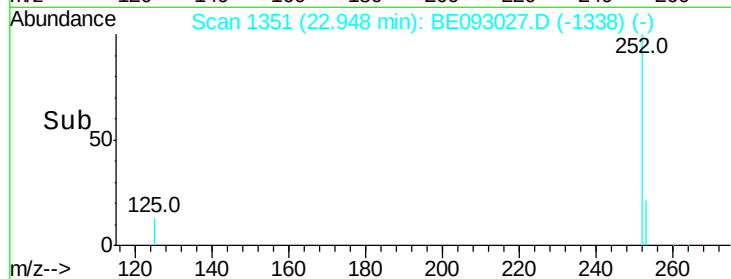
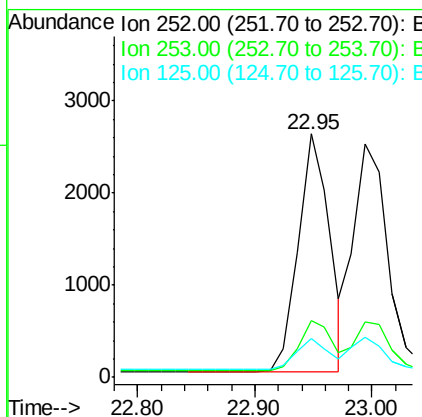
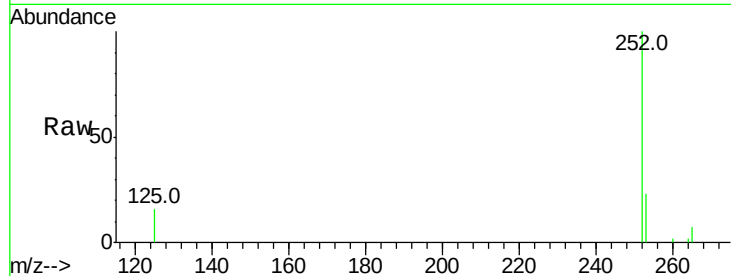




#35
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 22.95 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

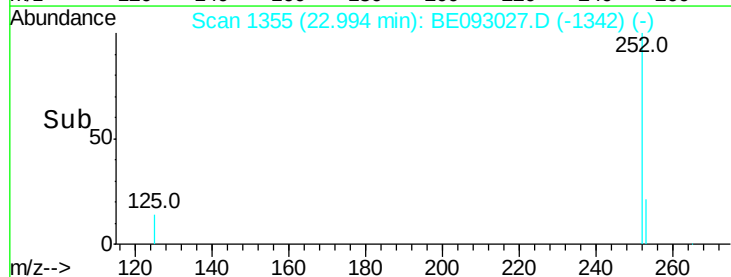
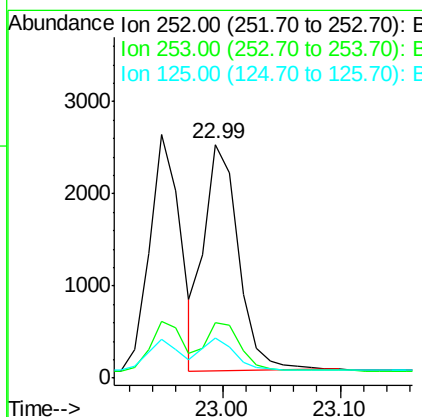
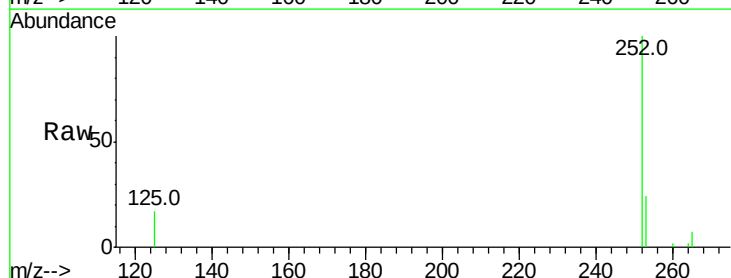
Instrument :
BNA_E
ClientSampleId :

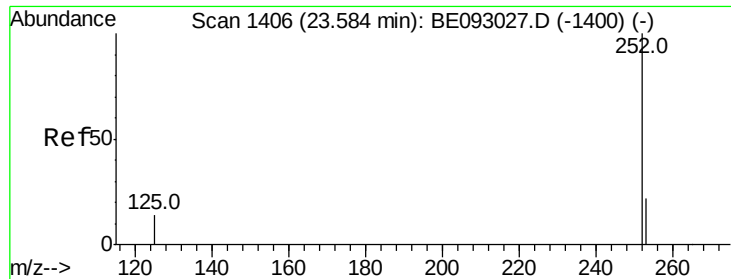
Tot Ion:252 Resp: 4791
Ion Ratio Lower Upper
252 100
253 23.5 18.5 27.7
125 15.7 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 22.99 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:252 Resp: 4951
Ion Ratio Lower Upper
252 100
253 23.7 20.3 30.5
125 17.1 12.2 18.4

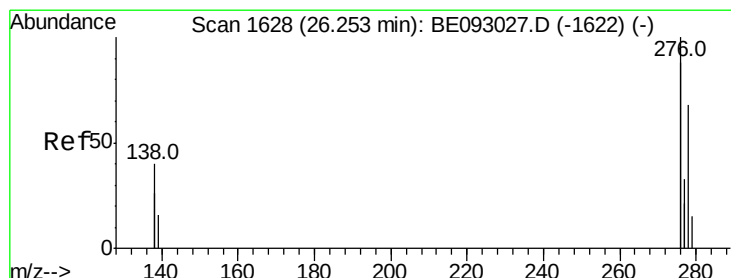
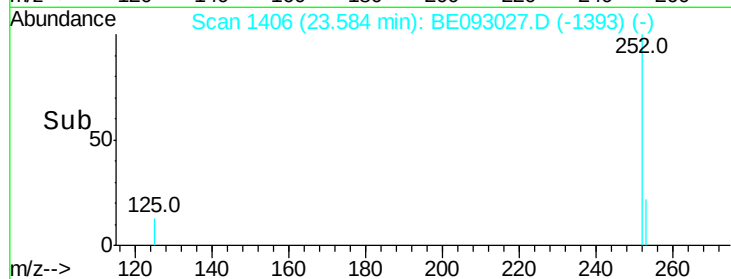
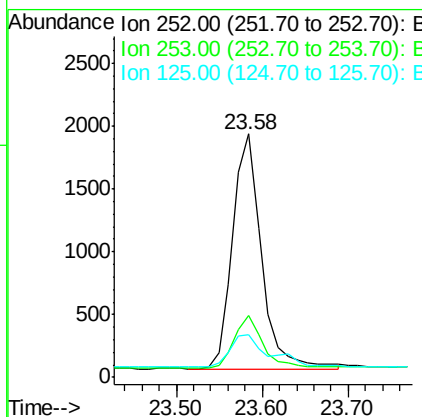
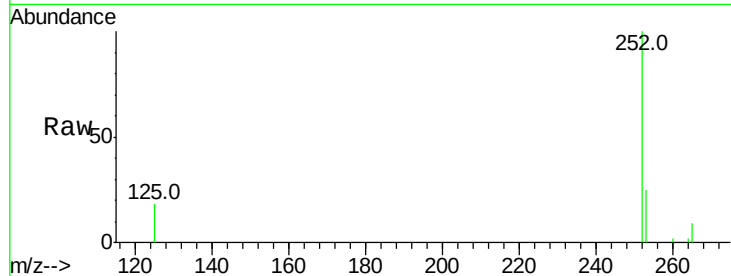




#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.58 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

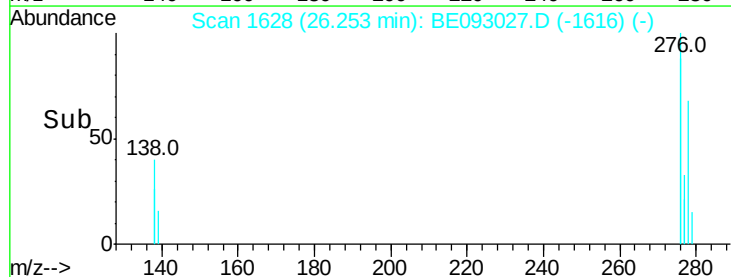
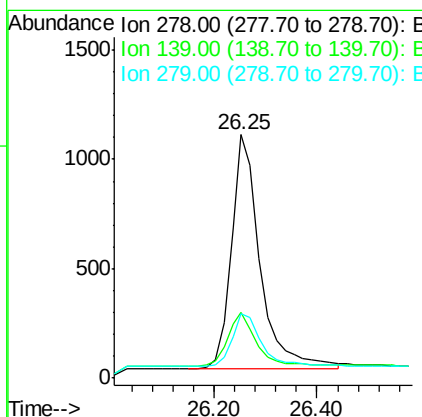
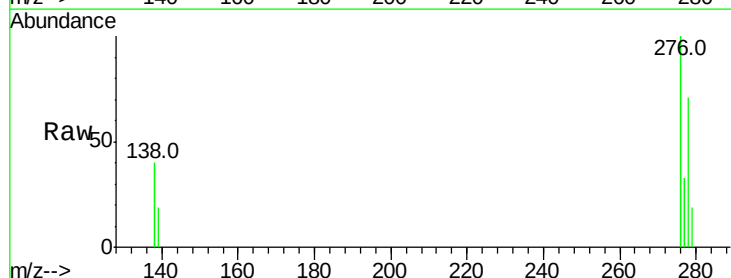
Instrument :
BNA_E
ClientSampleId :

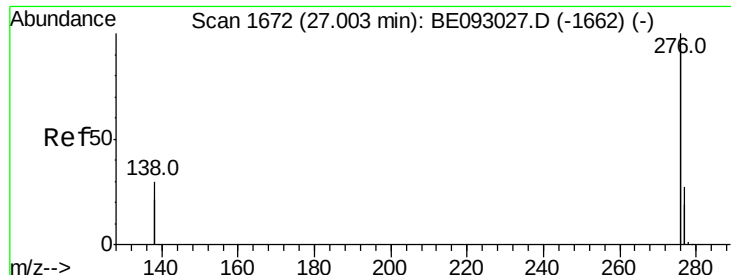
Tot Ion:252 Resp: 4382
Ion Ratio Lower Upper
252 100
253 25.2 19.9 29.9
125 17.5 14.6 21.8



#38
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.25 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:278 Resp: 4126
Ion Ratio Lower Upper
278 100
139 27.0 21.4 32.0
279 26.4 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

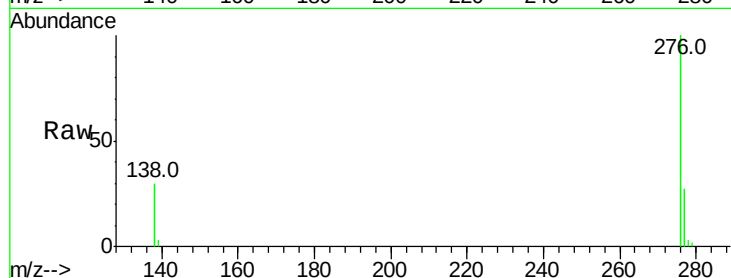
Lab File: BE093027.D

Acq: 15 May 2017 10:24

Instrument :

BNA_E

ClientSampleId :



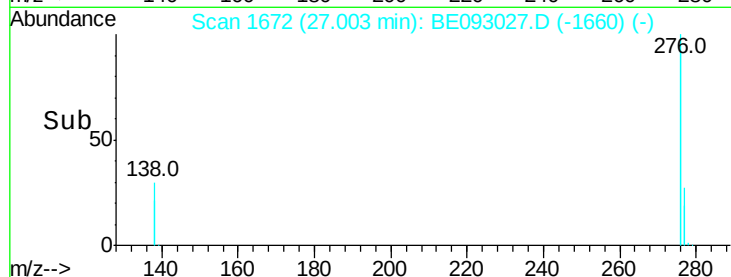
Tot Ion: 276 Resp: 18161

Ion Ratio Lower Upper

276 100

277 26.6 21.2 31.8

138 29.6 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

