

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070617\
 Data File : BE093428.D
 Acq On : 6 Jul 2017 13:28
 Operator : SJ/JU
 Sample : I3757-01
 Misc : LOD 0.1 PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 07 06:49:09 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	3960	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	21756	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	13665	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	37411	0.40	ng	0.00
27) Chrysene-d12	21.43	240	36739	0.40	ng	0.00
34) Perylene-d12	23.93	264	31930	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	5216	0.44	ng	0.00
5) Phenol-d6	7.10	99	8265	0.47	ng	0.00
8) Nitrobenzene-d5	9.08	82	6415	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	17453	0.50	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1539	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	23696	0.45	ng	0.00
25) Fluoranthene-d10	19.29	212	198906	0.44	ng	0.00
29) Terphenyl-d14	19.87	244	29939	0.46	ng	0.00

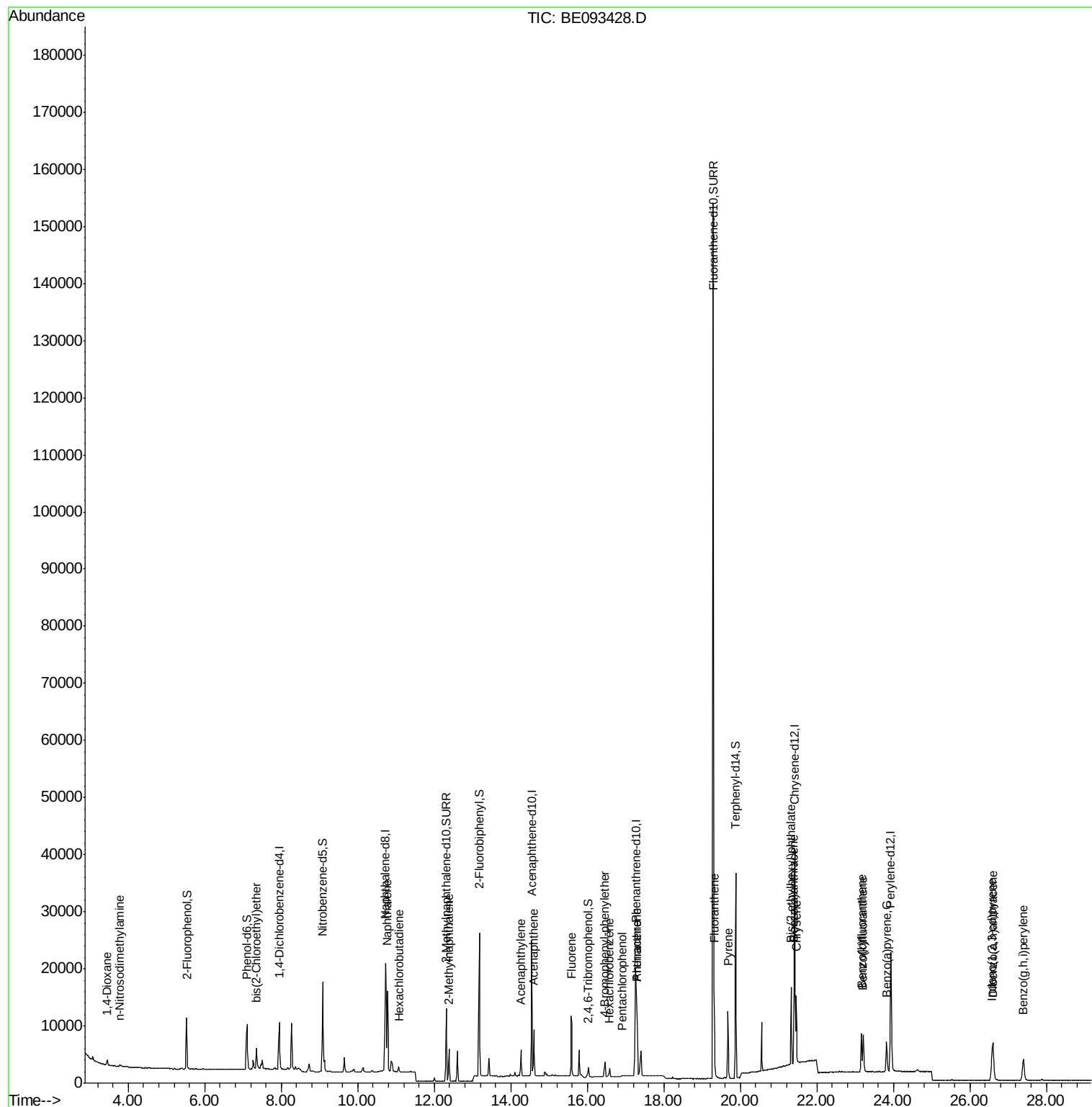
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	1142	0.14	ng	# 81
3) n-Nitrosodimethylamine	3.78	42	421	0.19	ng	# 65
6) bis(2-Chloroethyl)ether	7.35	93	1348	0.10	ng	# 92
9) Naphthalene	10.77	128	22962	0.10	ng	# 74
10) Hexachlorobutadiene	11.08	225	858	0.10	ng	99
12) 2-Methylnaphthalene	12.38	142	3947	0.10	ng	98
16) Acenaphthylene	14.26	152	5496	0.10	ng	# 86
17) Acenaphthene	14.60	154	4103	0.10	ng	99
18) Fluorene	15.59	166	5362	0.09	ng	# 88
20) 4-Bromophenyl-phenylether	16.45	248	1993	0.10	ng	# 23
21) Hexachlorobenzene	16.58	284	2200	0.10	ng	# 100
22) Pentachlorophenol	16.91	266	250	0.03	ng	# 84
23) Phenanthrene	17.30	178	12796	0.09	ng	98
24) Anthracene	17.30	178	12993	0.16	ng	99
26) Fluoranthene	19.32	202	10930	0.09	ng	99
28) Pyrene	19.67	202	10960	0.11	ng	# 100
30) Benzo(a)anthracene	21.40	228	9719	0.10	ng	94
31) Chrysene	21.46	228	10212	0.10	ng	93
32) Bis(2-ethylhexyl)phthalate	21.33	149	15612	0.11	ng	# 66
33) Indeno(1,2,3-cd)pyrene	26.58	276	9406	0.10	ng	95
35) Benzo(b)fluoranthene	23.16	252	9596	0.09	ng	94
36) Benzo(k)fluoranthene	23.21	252	9765	0.10	ng	99
37) Benzo(a)pyrene	23.82	252	8722	0.10	ng	93
38) Dibenzo(a,h)anthracene	26.61	278	8435	0.10	ng	95
39) Benzo(g,h,i)perylene	27.40	276	8625	0.10	ng	95

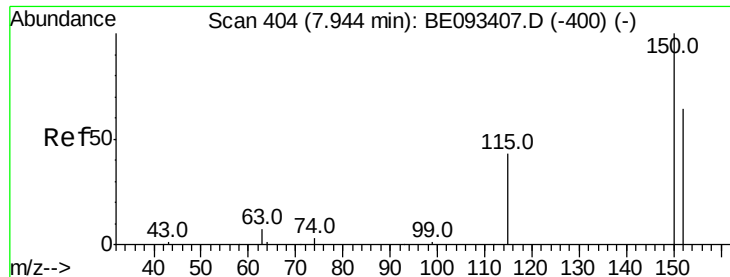
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.94 min Scan# 404

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :

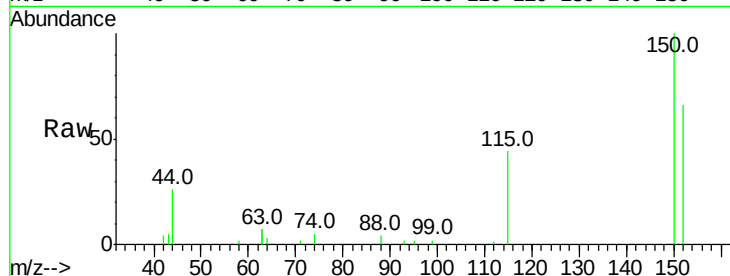
Tot Ion:152 Resp: 3960

Ion Ratio Lower Upper

152 100

150 152.4 125.1 187.7

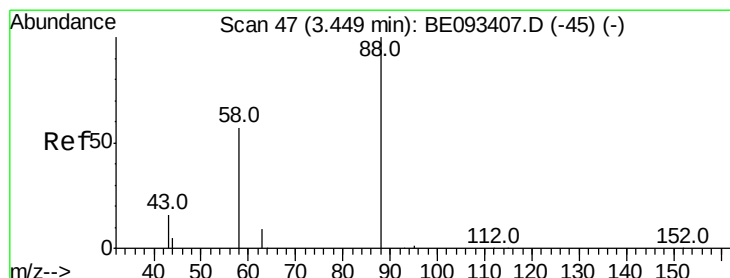
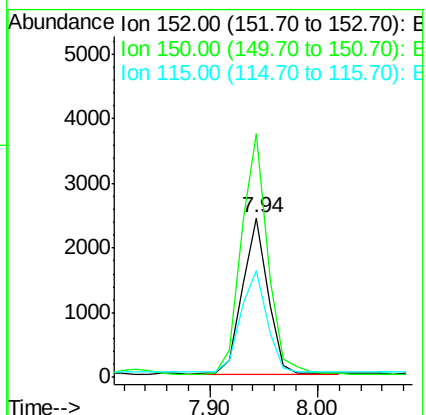
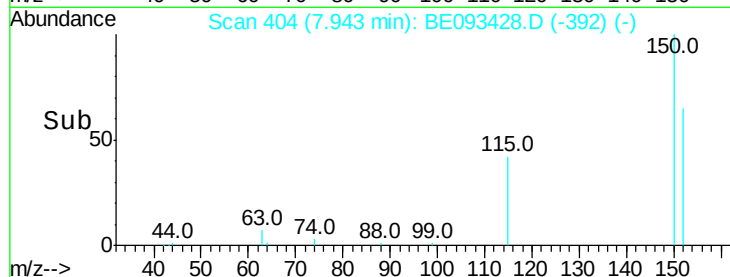
115 67.0 55.7 83.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.14 ng

RT: 3.45 min Scan# 47

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

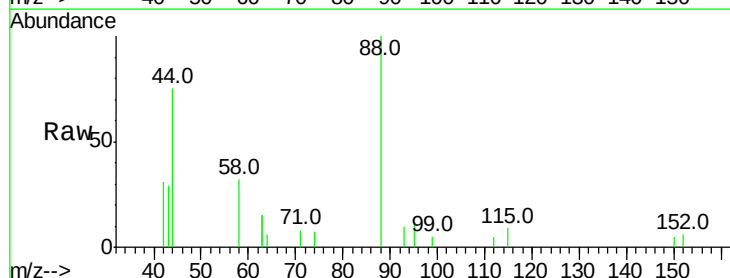
Tgt Ion: 88 Resp: 1142

Ion Ratio Lower Upper

88 100

58 56.4 62.2 93.4#

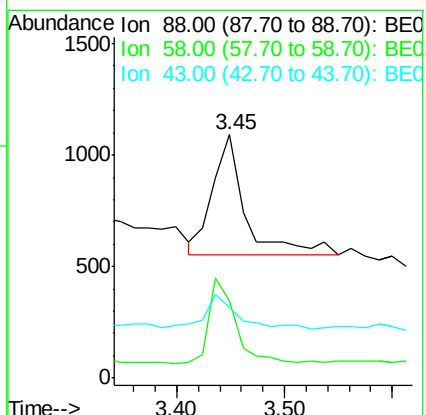
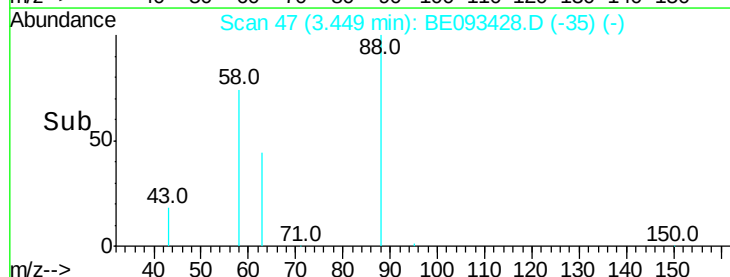
43 31.0 23.2 34.8

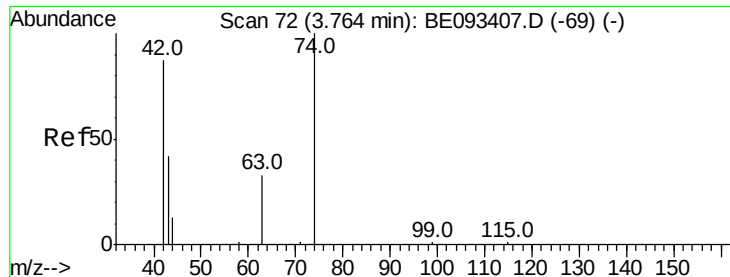


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



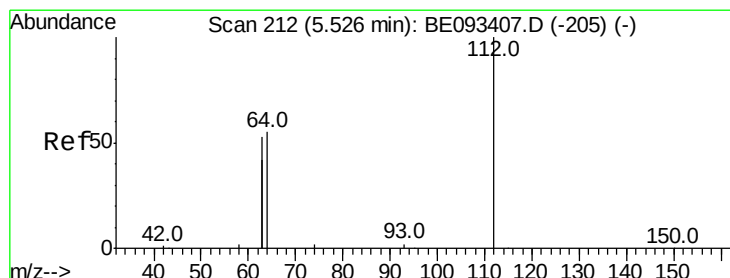
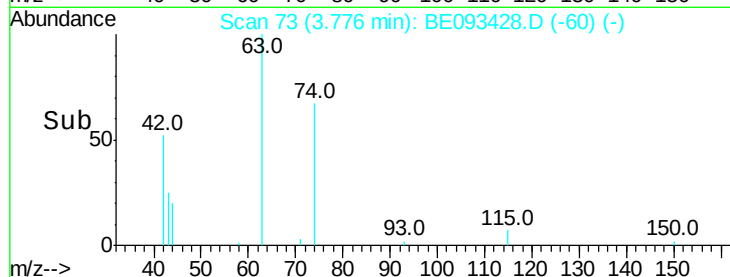
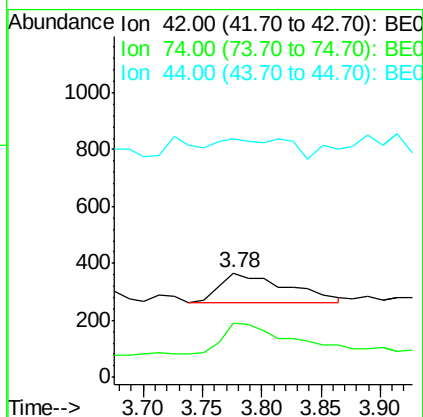
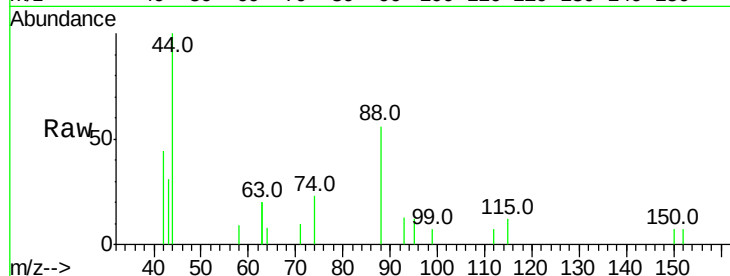


#3

n-Nitrosodimethylamine
 Concen: 0.19 ng
 RT: 3.78 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: BE093428.D
 Acq: 6 Jul 2017 13:28

Instrument :
 BNA_E
 ClientSampleId :

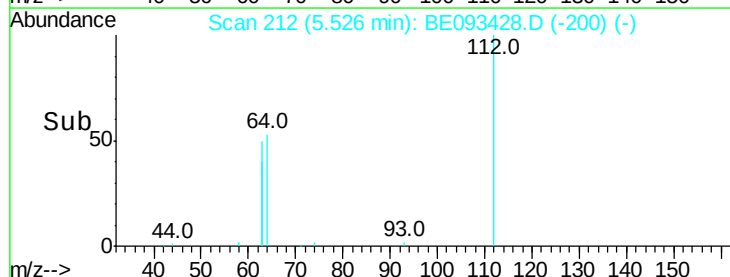
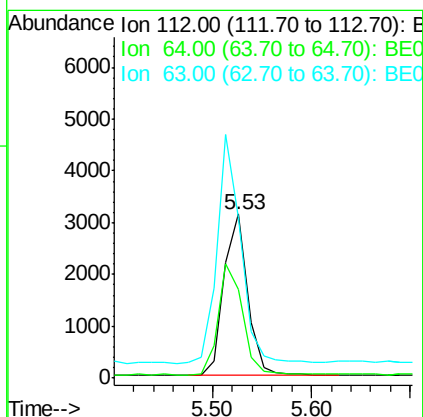
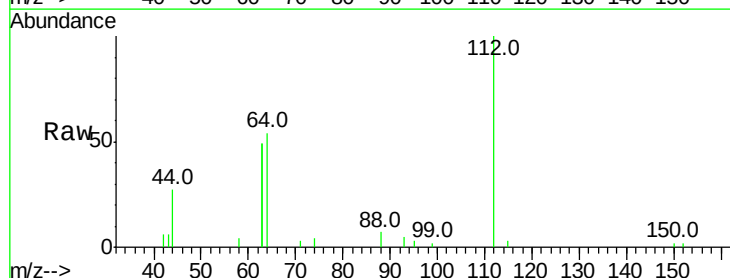
Tot Ion	Ratio	Lower	Upper
42	100		
74	95.5	99.1	148.7#
44	69.8	7.4	11.2#

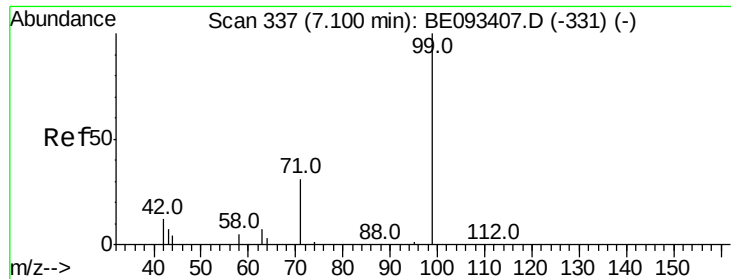


#4

2-Fluorophenol
 Concen: 0.44 ng
 RT: 5.53 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: BE093428.D
 Acq: 6 Jul 2017 13:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	56.4	84.6
63	141.3	29.3	43.9#





#5

Phenol-d6

Concen: 0.47 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :

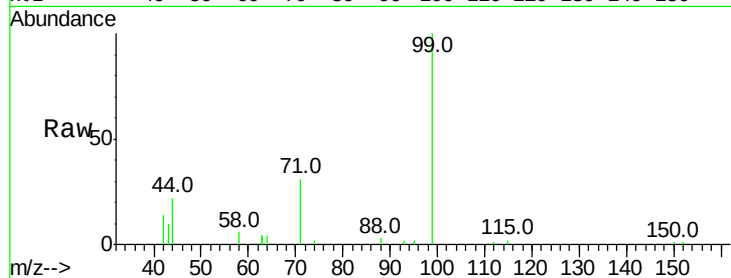
Tot Ion: 99 Resp: 8265

Ion Ratio Lower Upper

99 100

42 17.9 0.0 0.0#

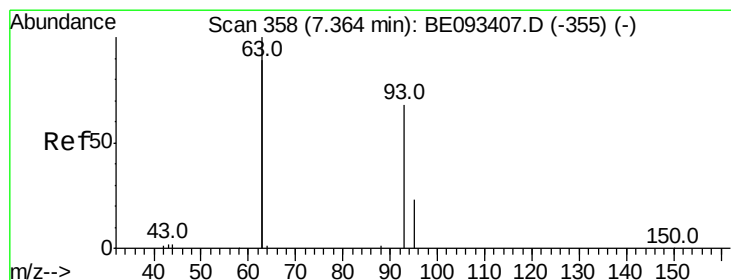
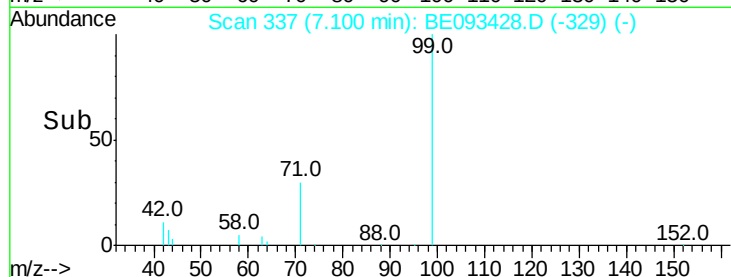
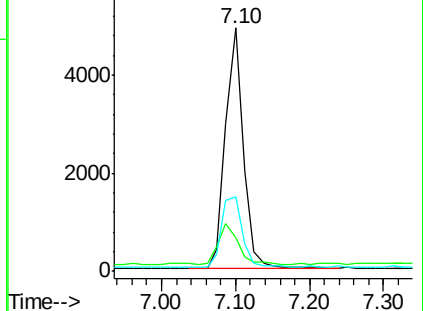
71 34.0 0.0 0.0#



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: 0.10 ng

RT: 7.35 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

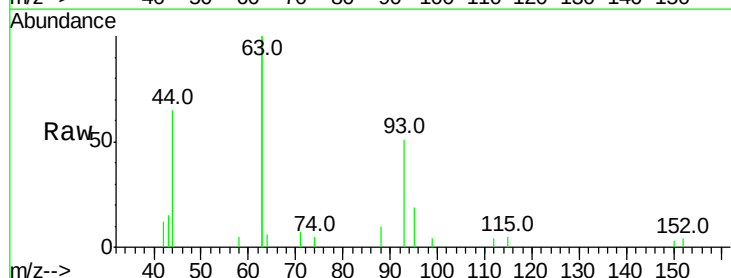
Tgt Ion: 93 Resp: 1348

Ion Ratio Lower Upper

93 100

63 332.6 0.0 0.0#

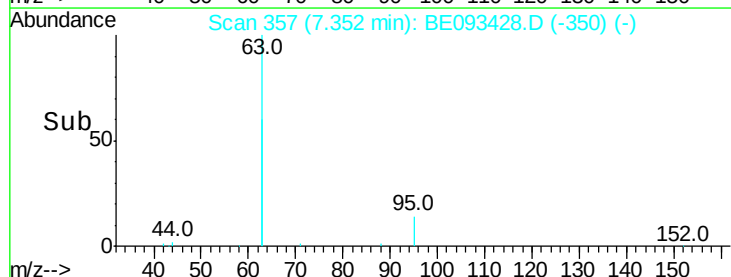
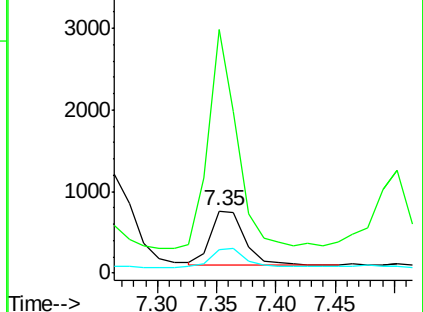
95 36.0 25.4 38.0

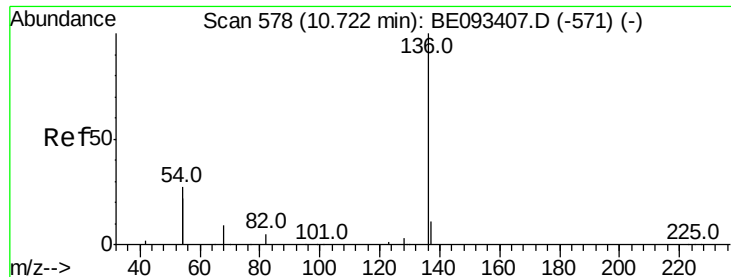


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093428.D

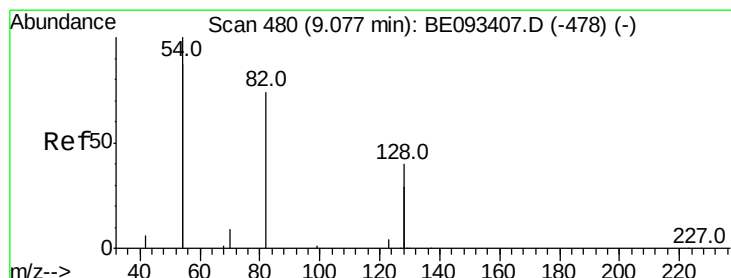
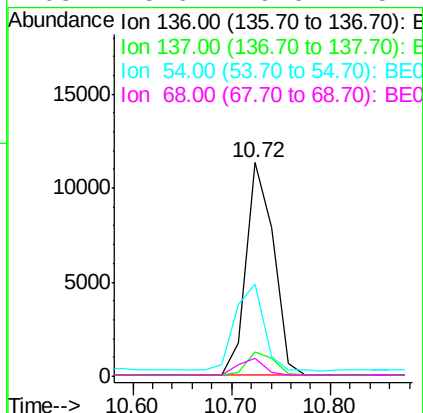
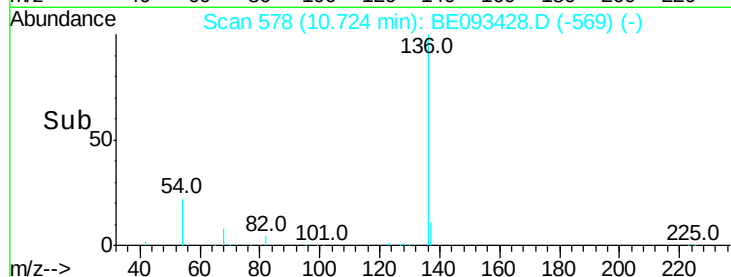
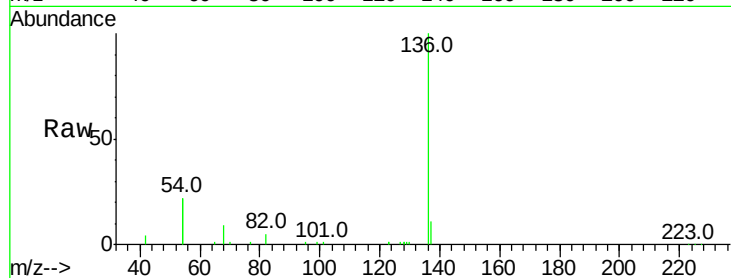
Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	21756
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.8 14.8
54	43.1	10.3 15.5#
68	8.6	9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.46 ng

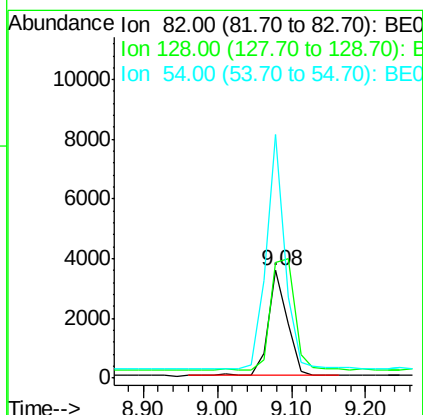
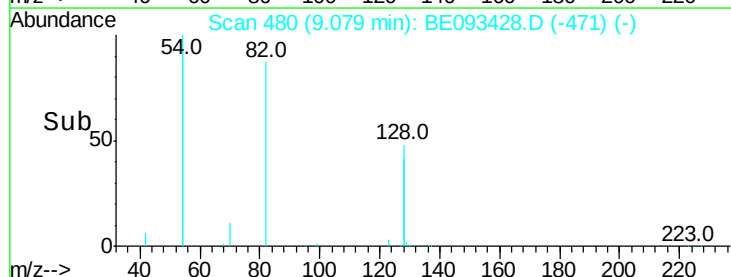
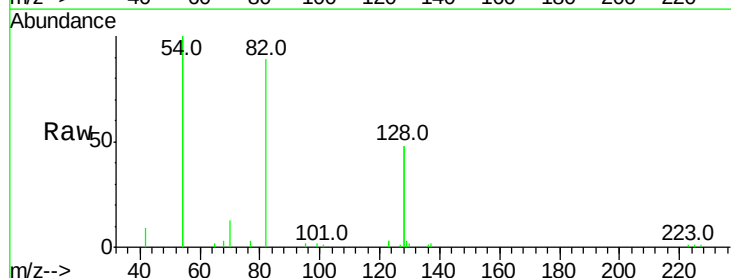
RT: 9.08 min Scan# 480

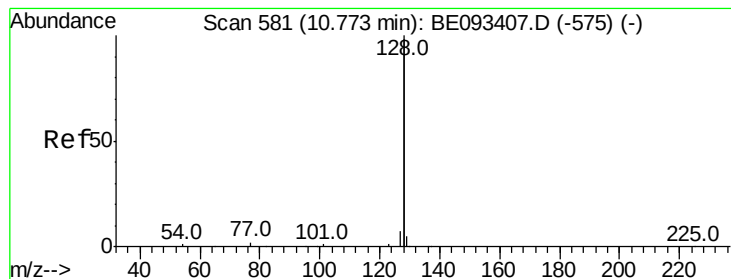
Delta R.T. 0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Tgt Ion: 82	Resp:	6415
Ion Ratio	Lower	Upper
82	100	
128	107.4	17.0 25.4#
54	225.9	53.8 80.6#





#9

Naphthalene

Concen: 0.10 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :

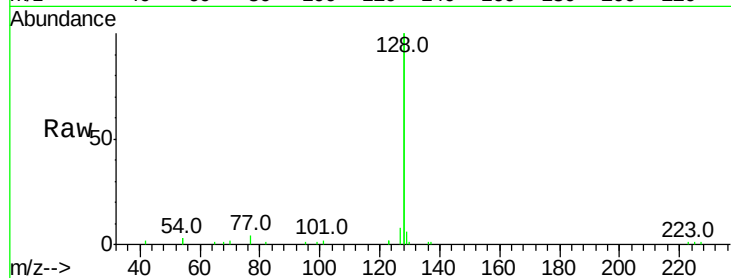
Tot Ion:128 Resp: 22962

Ion Ratio Lower Upper

128 100

129 3.2 11.4 17.0#

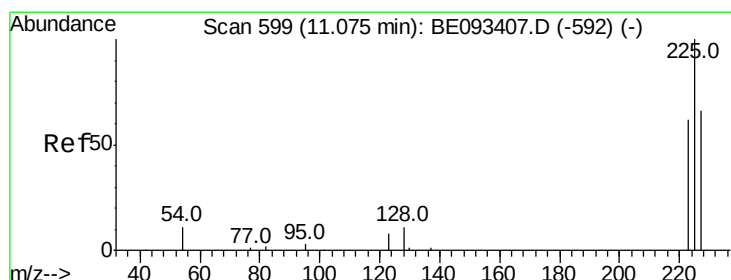
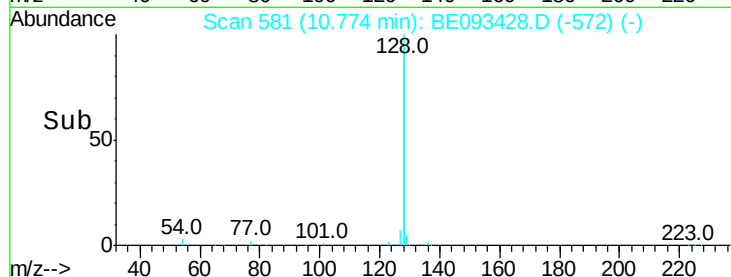
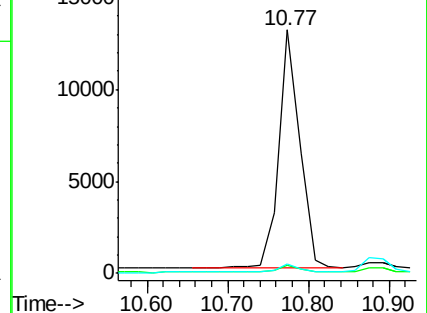
127 3.8 11.2 16.8#



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: 0.10 ng

RT: 11.08 min Scan# 599

Delta R.T. 0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

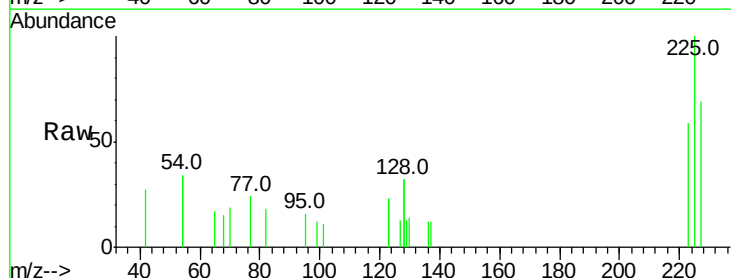
Tgt Ion:225 Resp: 858

Ion Ratio Lower Upper

225 100

223 61.7 49.7 74.5

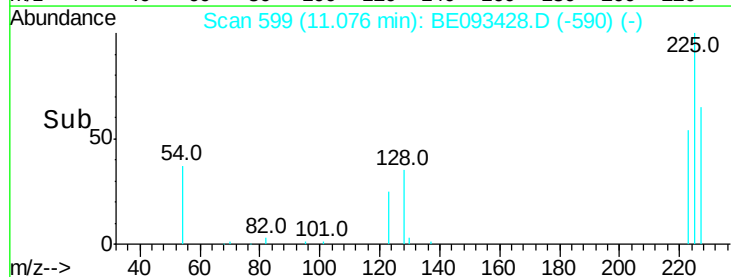
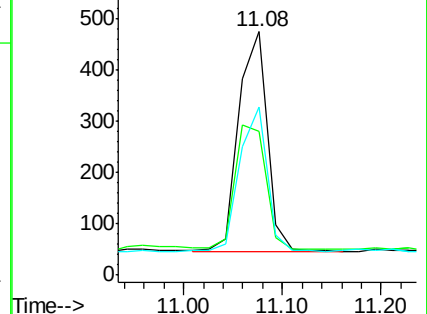
227 62.5 50.3 75.5

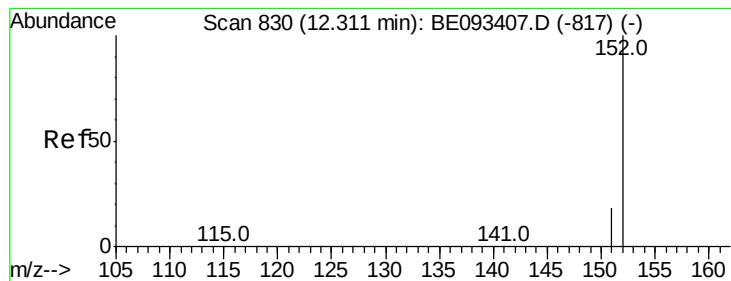


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.50 ng

RT: 12.31 min Scan# 830

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

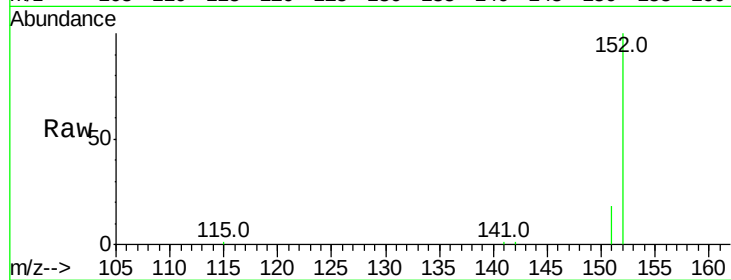
ClientSampleId :

Tot Ion:152 Resp: 17453

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12000

10000

8000

6000

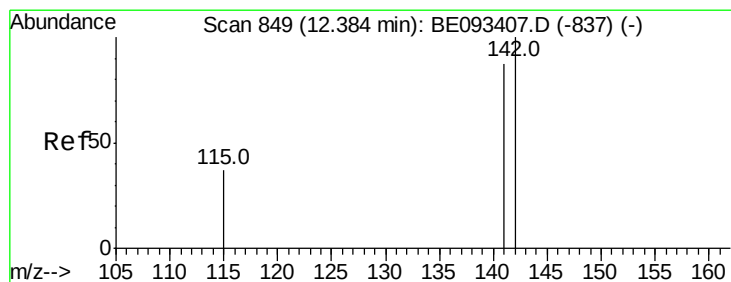
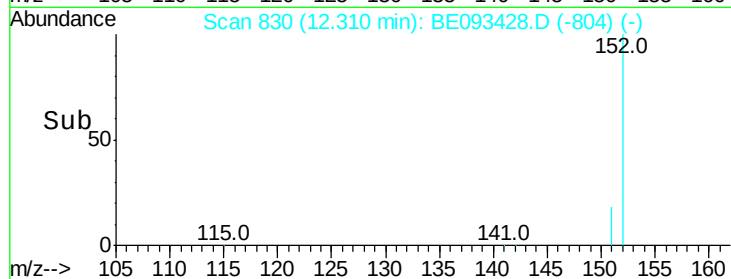
4000

2000

0

12.30 12.31 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.10 ng

RT: 12.38 min Scan# 849

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

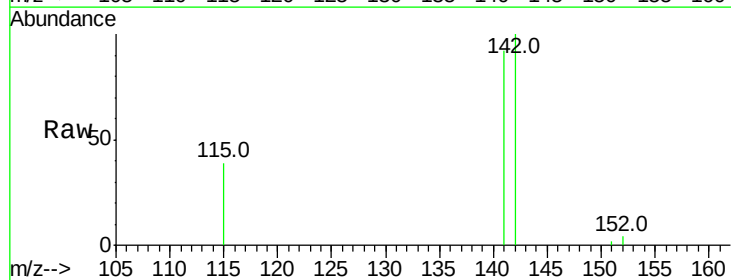
Tgt Ion:142 Resp: 3947

Ion Ratio Lower Upper

142 100

141 92.4 72.6 108.8

115 38.7 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

3000

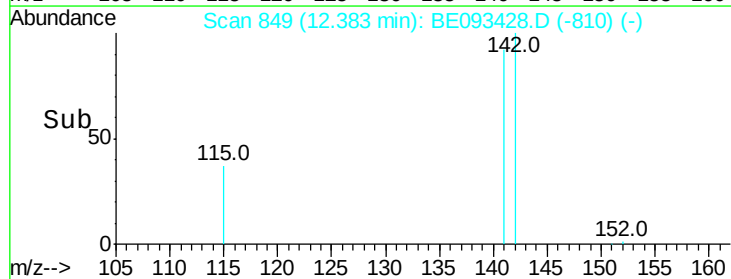
2000

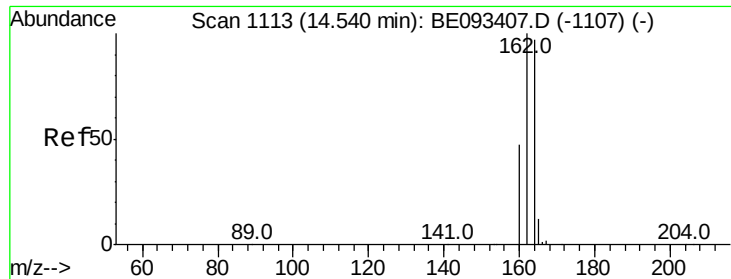
1000

0

12.30 12.35 12.40 12.45

Time-->

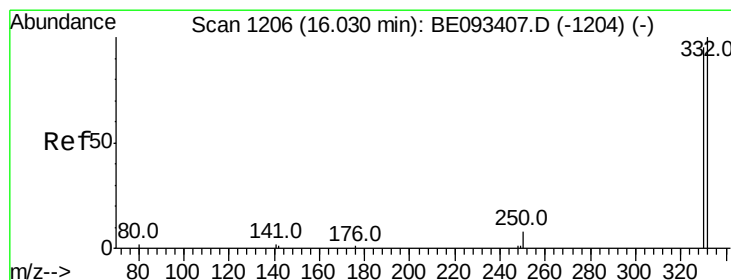
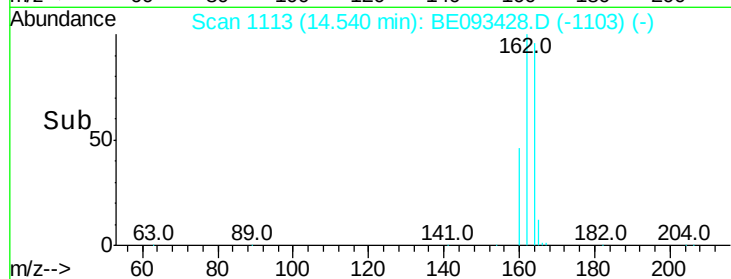
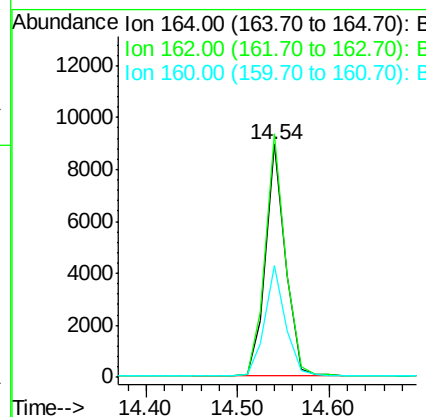
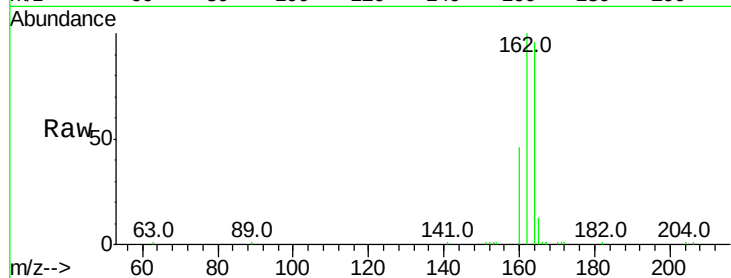




#13
 Acenaphthene-d10
 Concen: 0.40 ng
 RT: 14.54 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: BE093428.D
 Acq: 6 Jul 2017 13:28

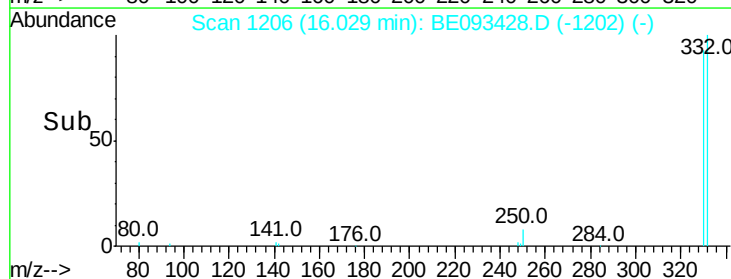
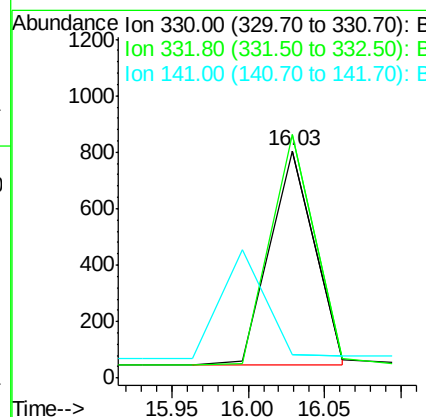
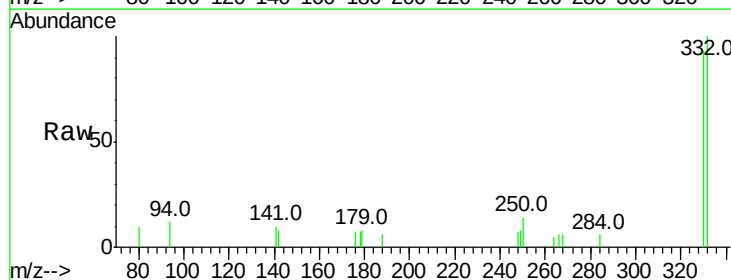
Instrument :
 BNA_E
 ClientSampleId :

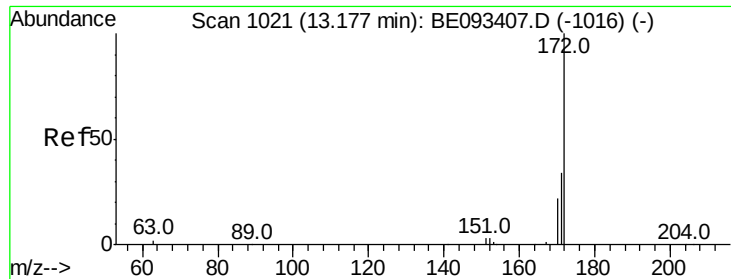
Tot Ion:164 Resp: 13665
 Ion Ratio Lower Upper
 164 100
 162 104.6 84.6 127.0
 160 48.1 41.8 62.6



#14
 2,4,6-Tribromophenol
 Concen: 0.36 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BE093428.D
 Acq: 6 Jul 2017 13:28

Tgt Ion:330 Resp: 1539
 Ion Ratio Lower Upper
 330 100
 332 107.7 77.7 116.5
 141 0.0 56.2 84.4#

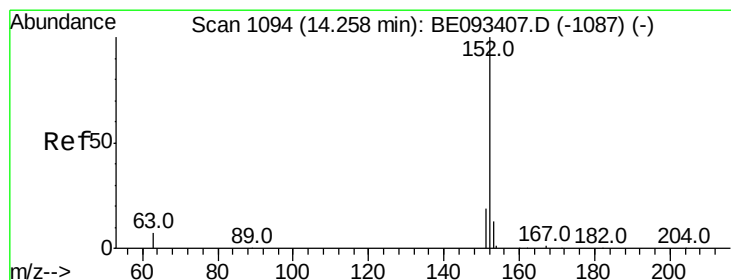
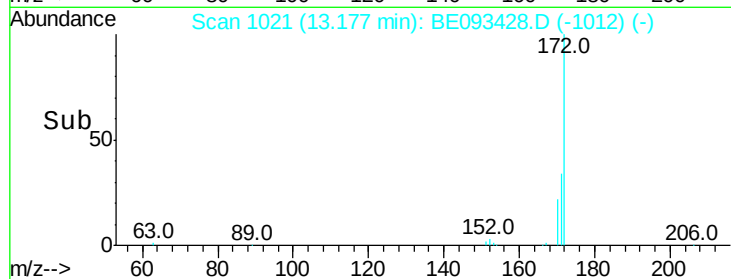
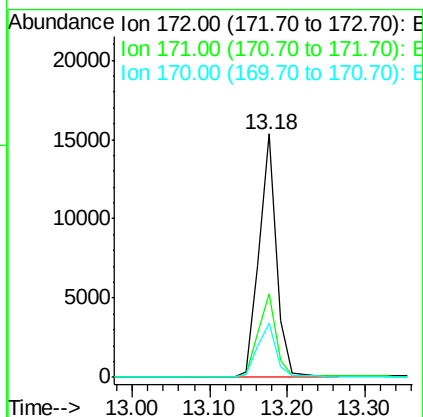
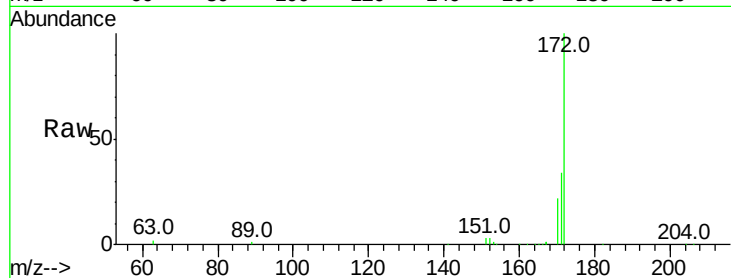




#15
2-Fluorobiphenyl
Concen: 0.45 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE093428.D
Acq: 6 Jul 2017 13:28

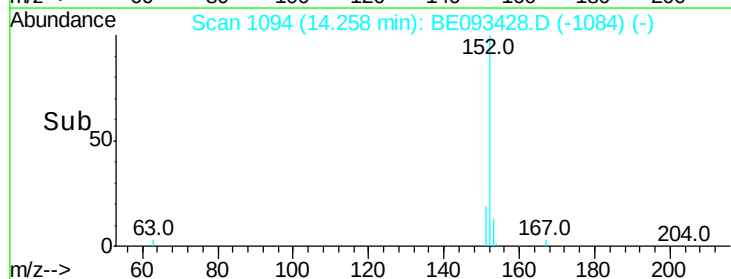
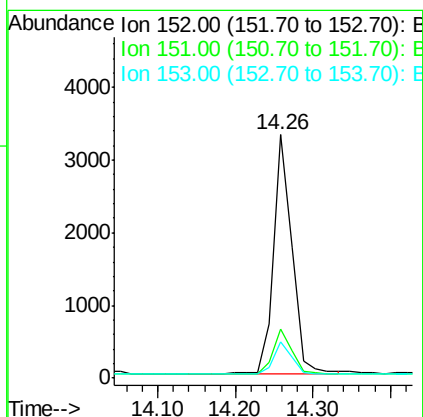
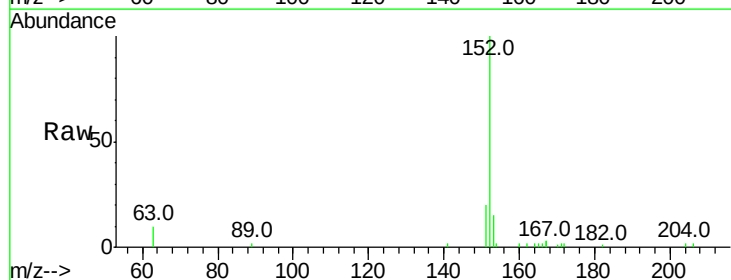
Instrument :
BNA_E
ClientSampleId :

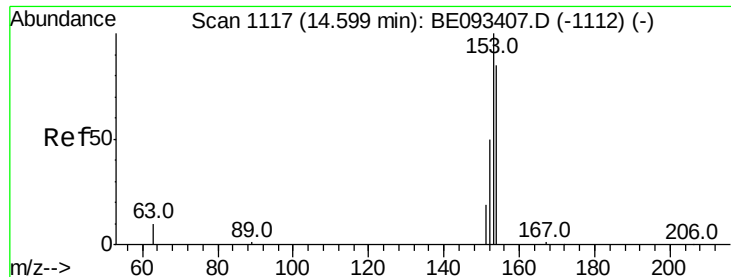
Tot Ion:172 Resp: 23696
Ion Ratio Lower Upper
172 100
171 34.2 29.8 44.6
170 22.4 20.7 31.1



#16
Acenaphthylene
Concen: 0.10 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE093428.D
Acq: 6 Jul 2017 13:28

Tgt Ion:152 Resp: 5496
Ion Ratio Lower Upper
152 100
151 19.6 4.0 6.0#
153 13.7 10.3 15.5

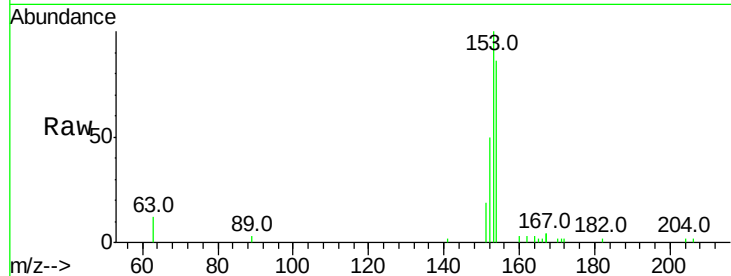




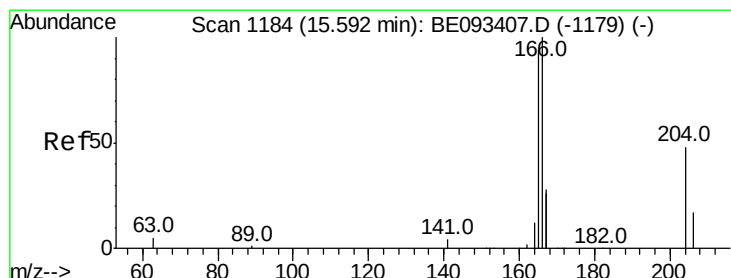
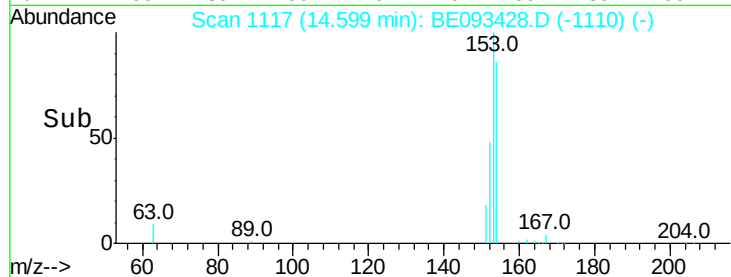
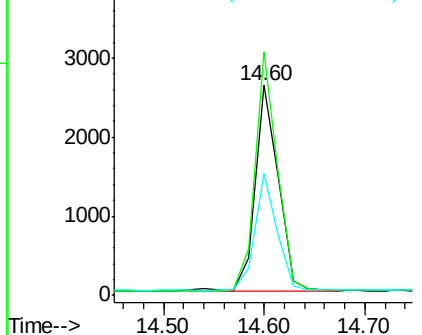
#17
Acenaphthene
Concen: 0.10 ng
RT: 14.60 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE093428.D
Acq: 6 Jul 2017 13:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4103
Ion Ratio Lower Upper
154 100
153 114.6 91.2 136.8
152 56.5 44.8 67.2

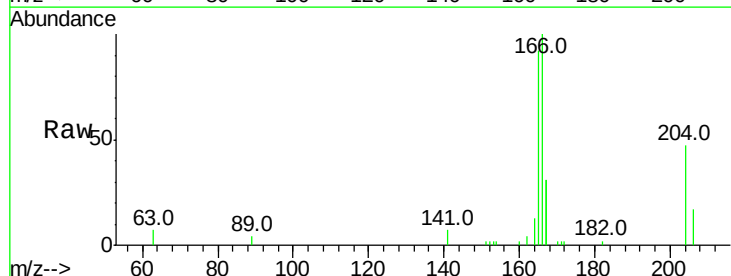


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

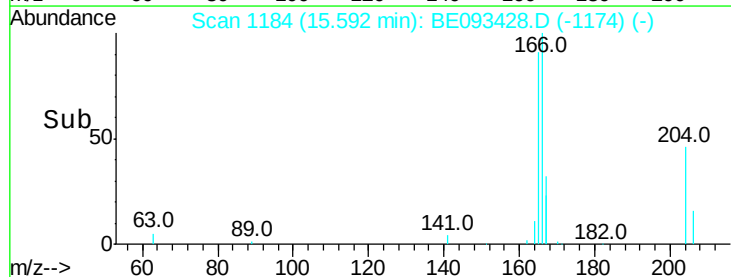
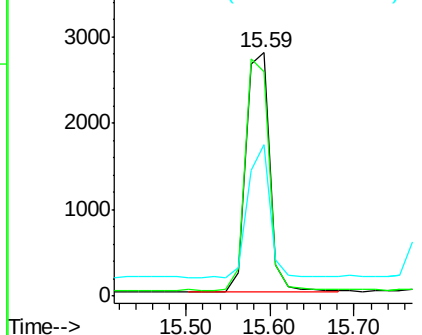


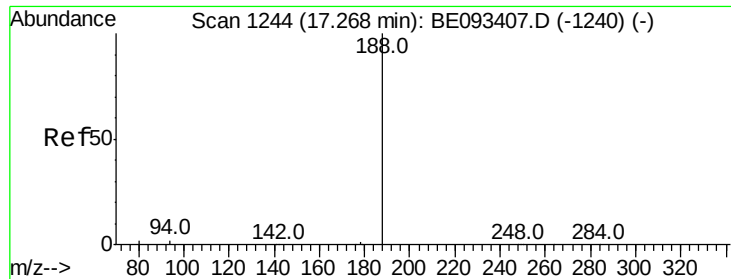
#18
Fluorene
Concen: 0.09 ng
RT: 15.59 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BE093428.D
Acq: 6 Jul 2017 13:28

Tgt Ion:166 Resp: 5362
Ion Ratio Lower Upper
166 100
165 97.9 78.6 117.8
167 51.9 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampled :

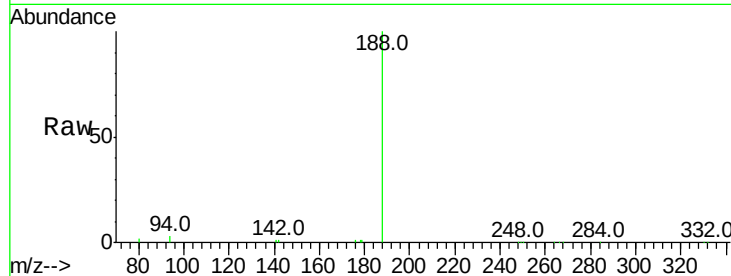
Tot Ion:188 Resp: 37411

Ion Ratio Lower Upper

188 100

94 2.8 11.3 16.9#

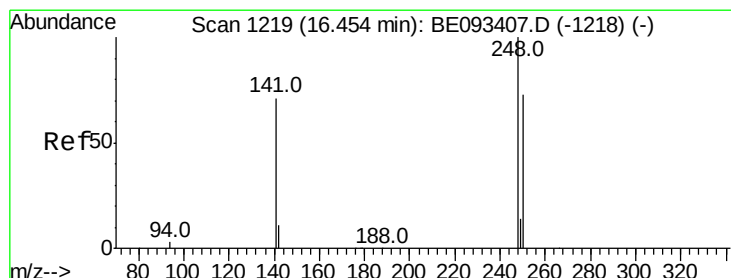
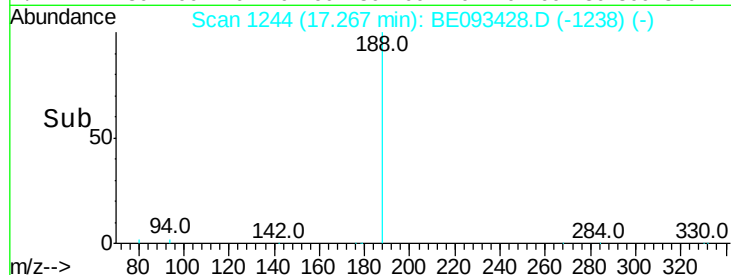
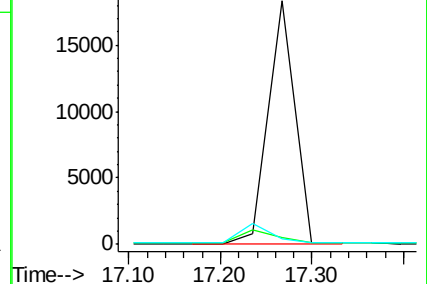
80 2.1 11.7 17.5#



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: 0.10 ng

RT: 16.45 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

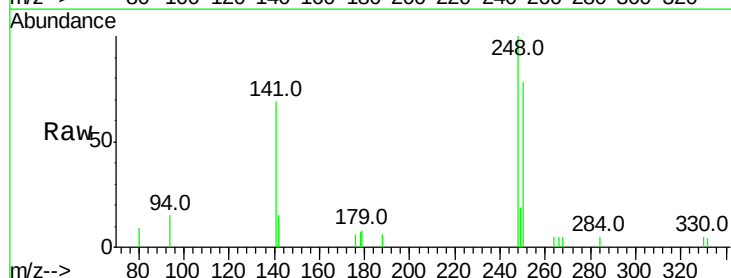
Tgt Ion:248 Resp: 1993

Ion Ratio Lower Upper

248 100

250 78.1 40.8 61.2#

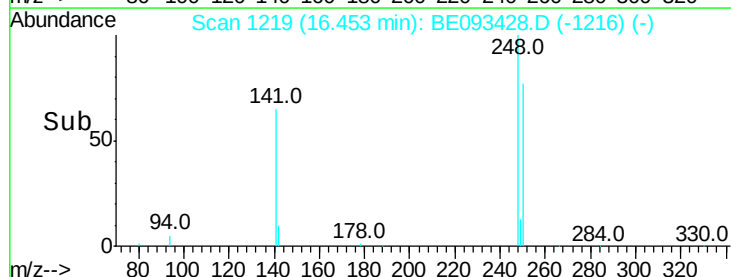
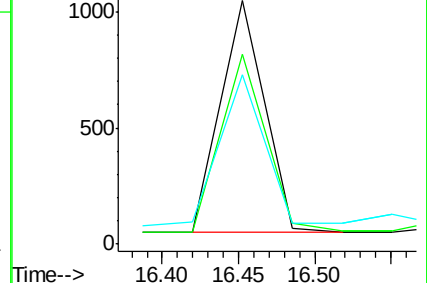
141 69.5 161.6 242.4#

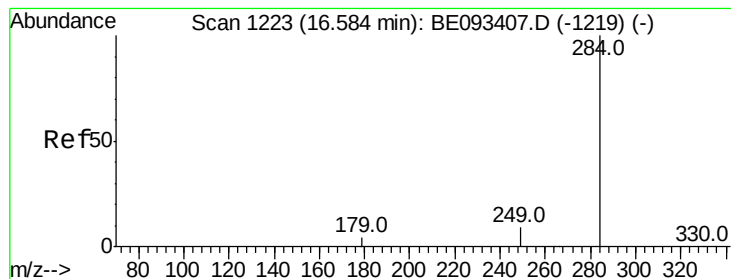


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.10 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampled :

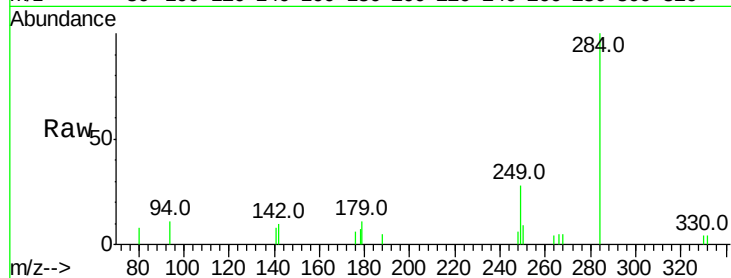
Tot Ion:284 Resp: 2200

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

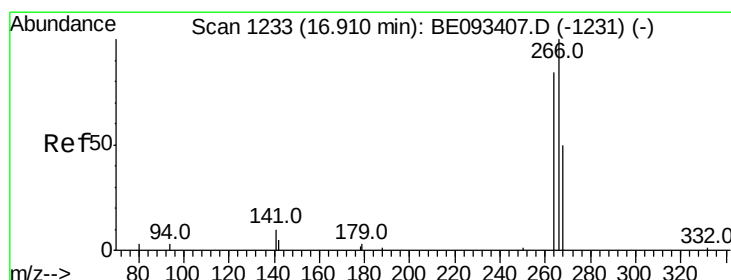
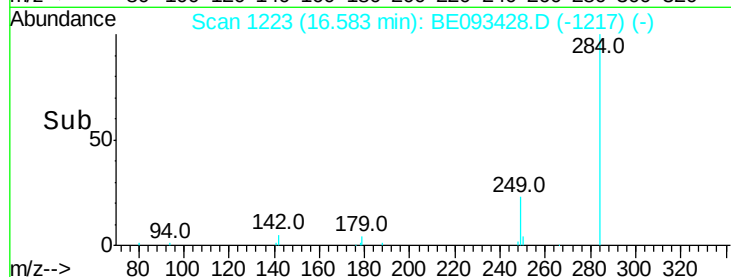
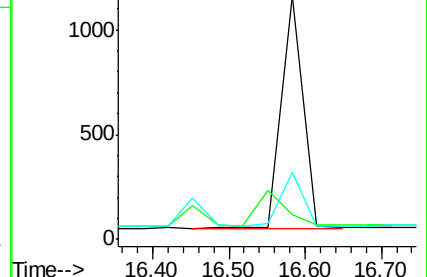
249 24.1 0.0 0.0#



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: 0.03 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

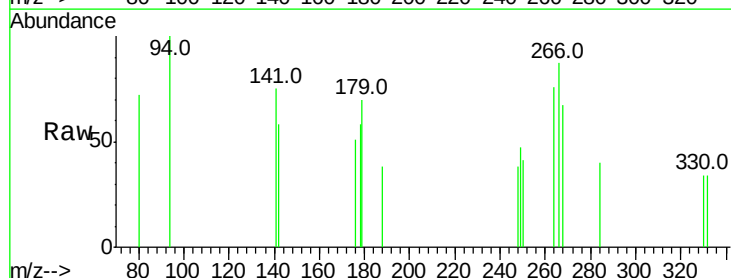
Tgt Ion:266 Resp: 250

Ion Ratio Lower Upper

266 100

264 87.5 58.2 87.2#

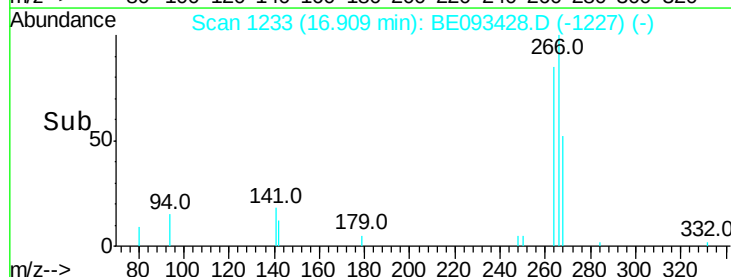
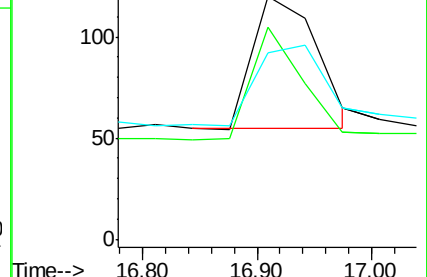
268 76.7 71.9 107.9

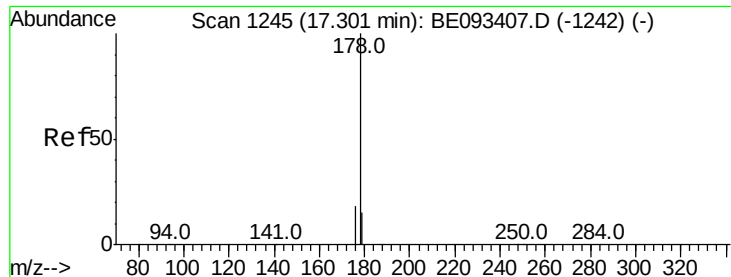


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.09 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampled :

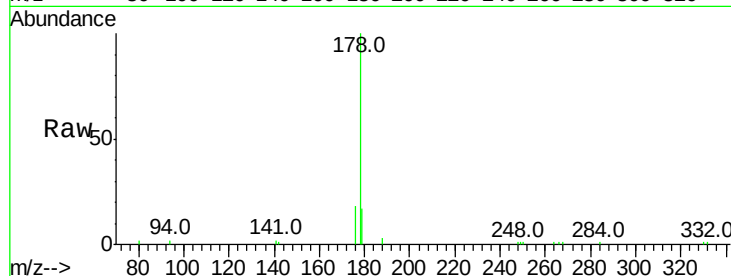
Tot Ion:178 Resp: 12796

Ion Ratio Lower Upper

178 100

176 17.6 15.0 22.4

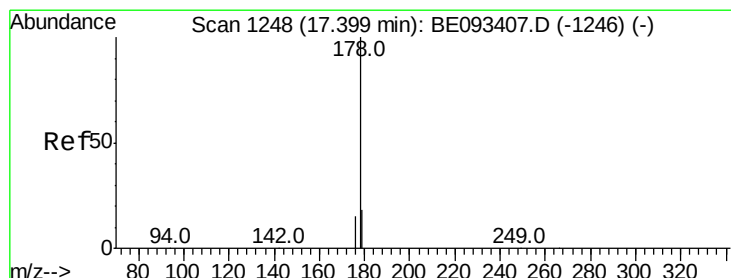
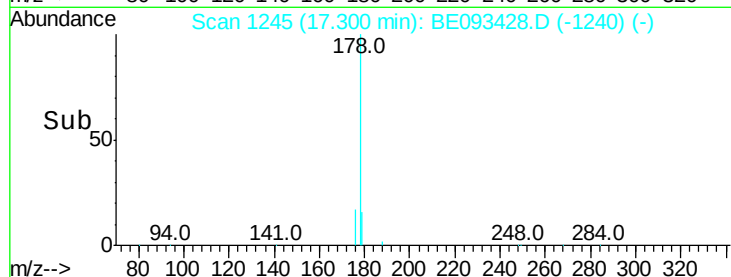
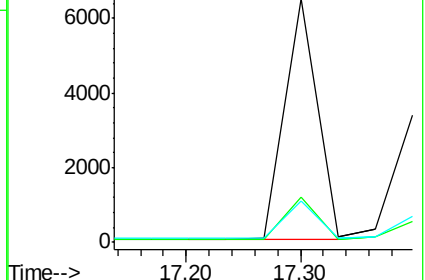
179 16.1 12.7 19.1



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: 0.16 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

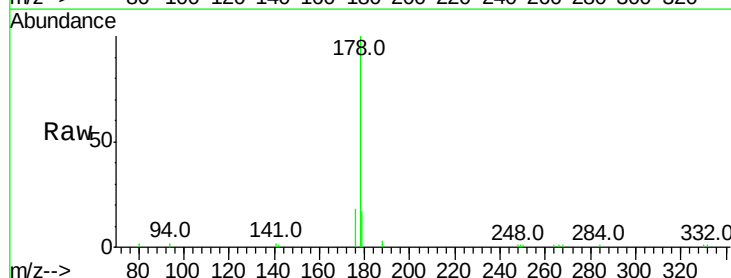
Tgt Ion:178 Resp: 12993

Ion Ratio Lower Upper

178 100

176 17.5 14.6 22.0

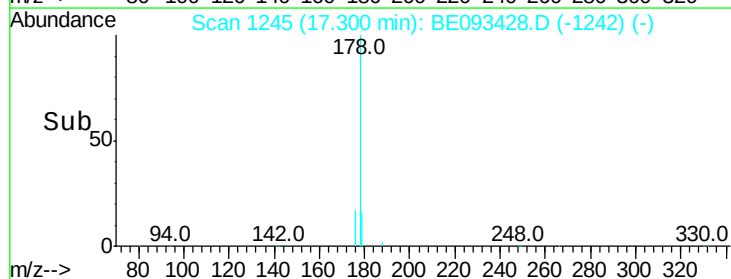
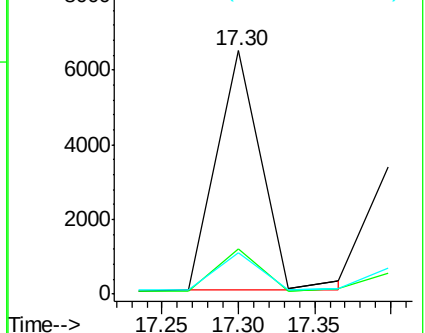
179 14.8 12.0 18.0

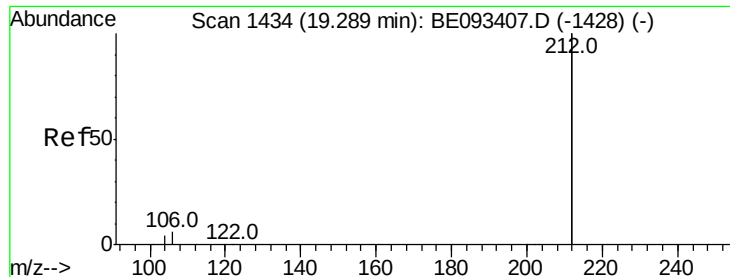


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.44 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :

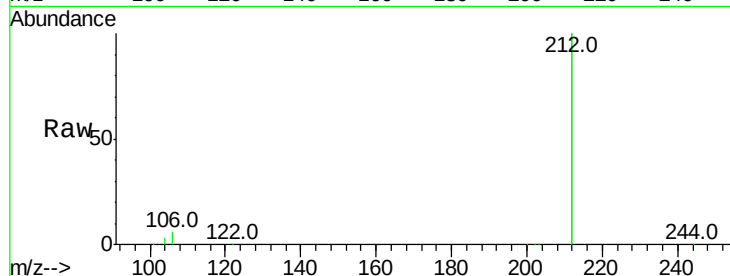
Tot Ion:212 Resp: 198906

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

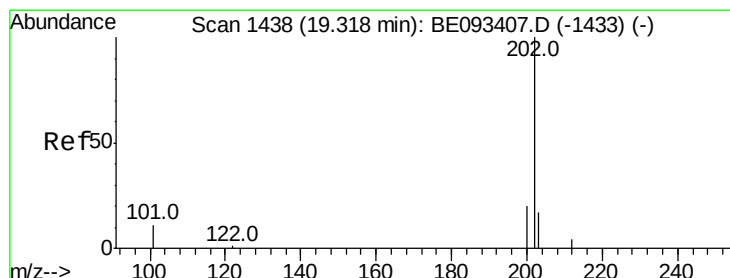
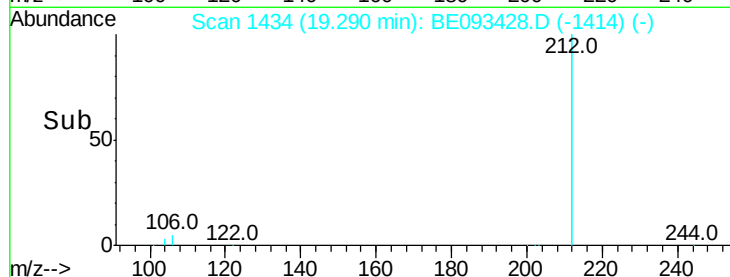
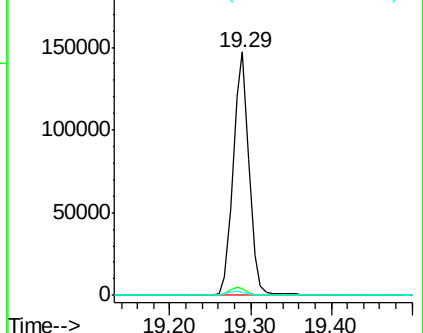
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.09 ng

RT: 19.32 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

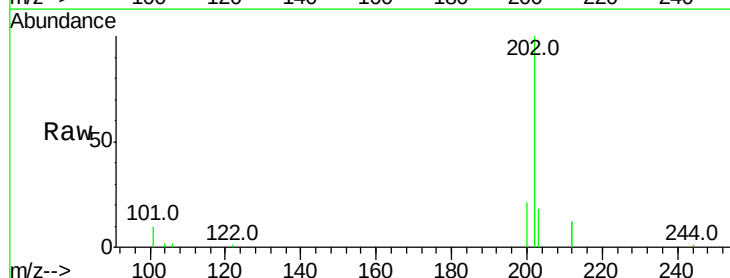
Tgt Ion:202 Resp: 10930

Ion Ratio Lower Upper

202 100

101 12.5 9.6 14.4

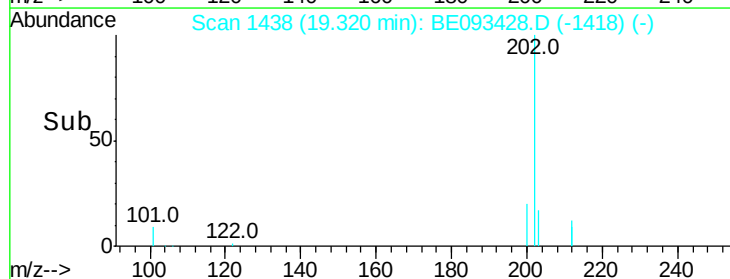
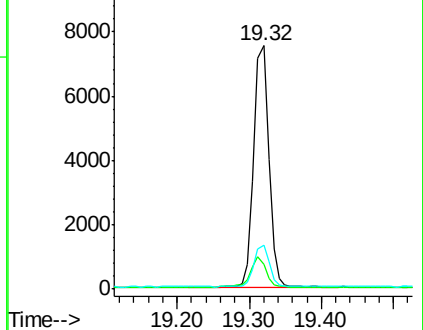
203 17.6 14.4 21.6

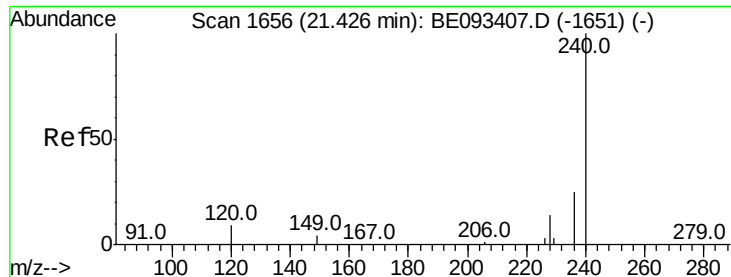


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :

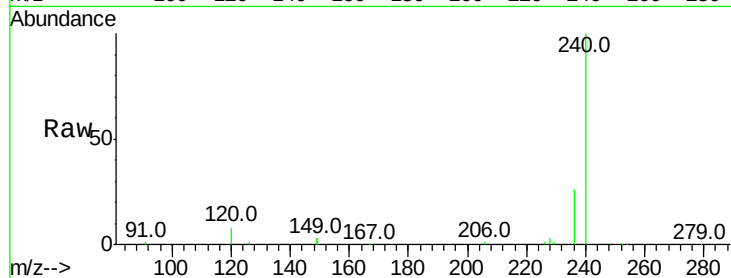
Tot Ion:240 Resp: 36739

Ion Ratio Lower Upper

240 100

120 7.5 4.6 7.0#

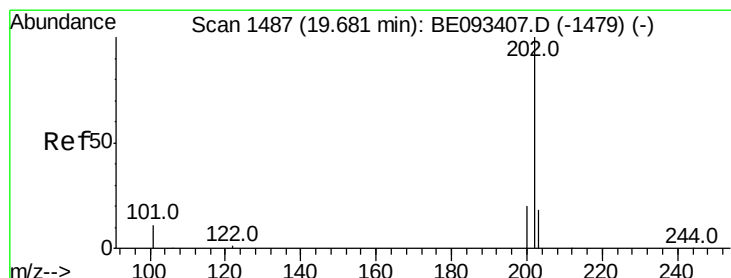
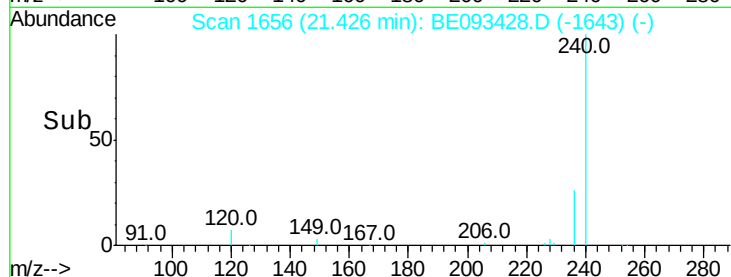
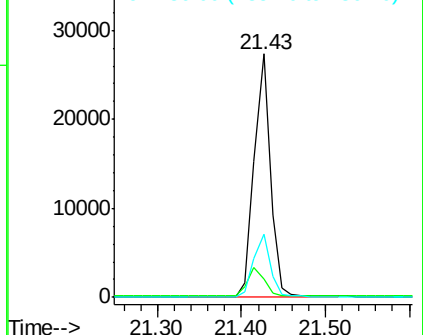
236 25.8 20.8 31.2



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: 0.11 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

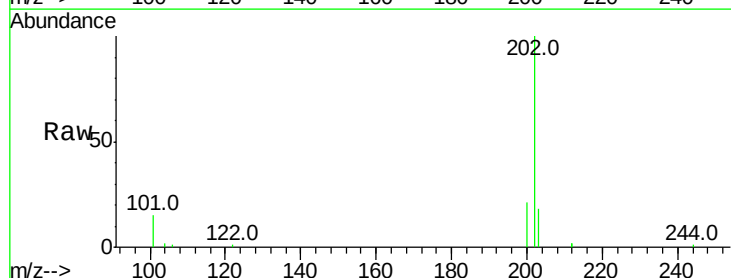
Tgt Ion:202 Resp: 10960

Ion Ratio Lower Upper

202 100

200 20.5 0.0 0.0#

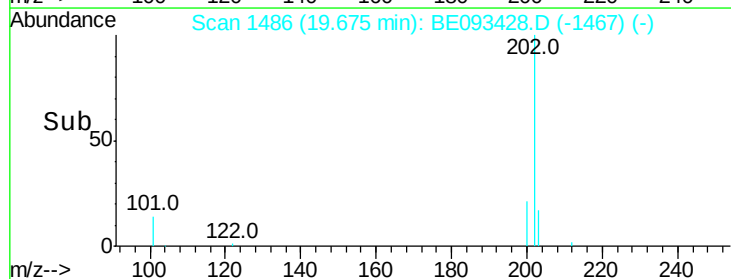
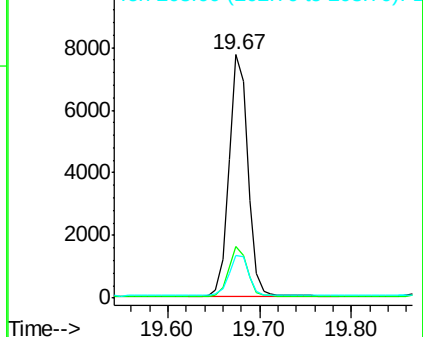
203 17.1 13.7 20.5

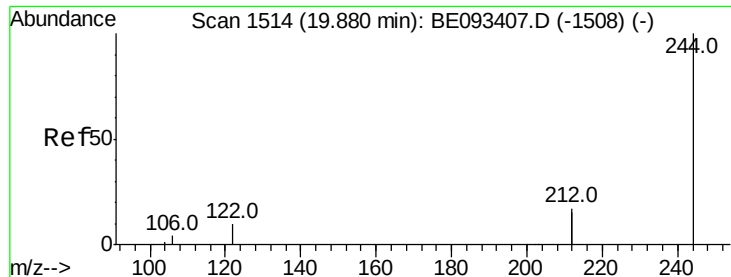


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.46 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

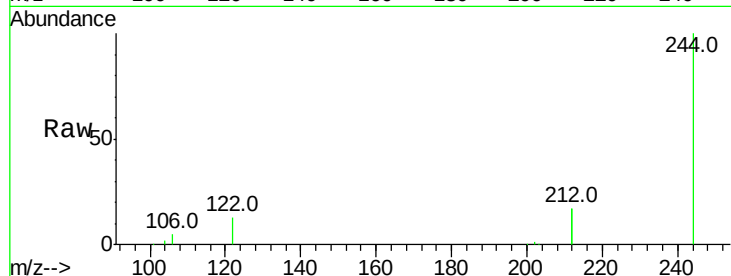
Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :



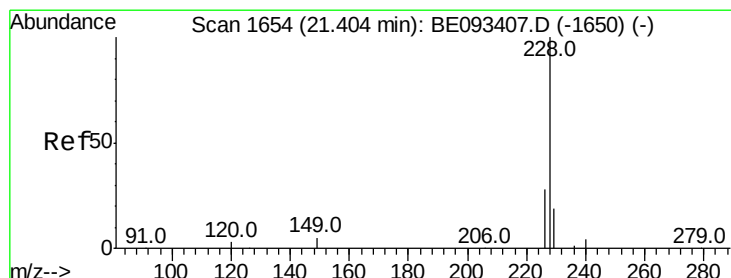
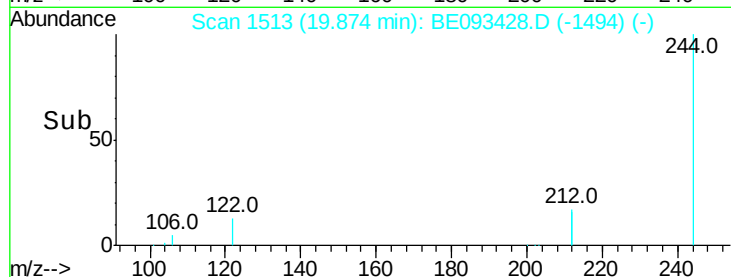
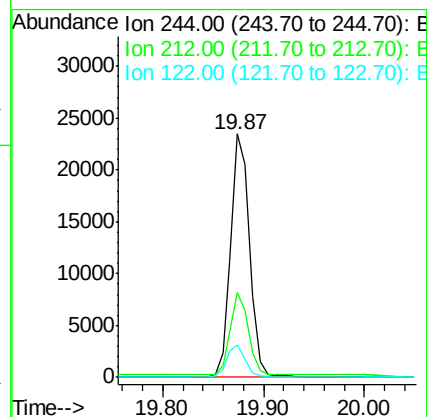
Tot Ion:244 Resp: 29939

Ion Ratio Lower Upper

244 100

212 34.8 10.6 16.0#

122 13.2 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.10 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

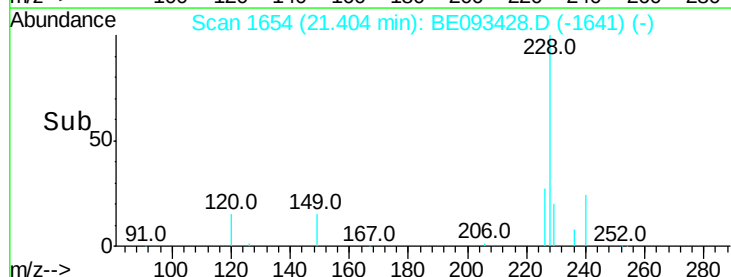
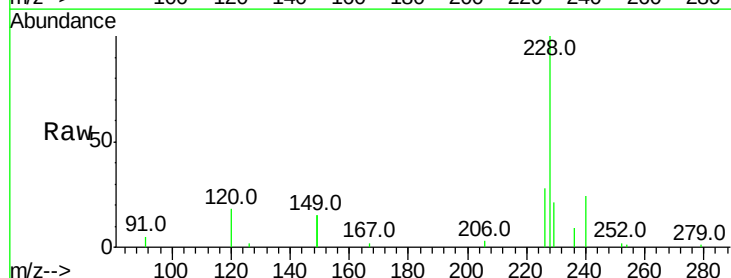
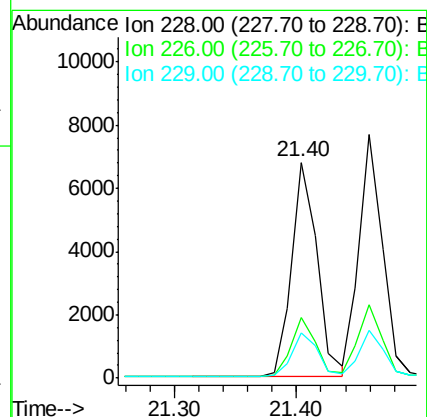
Tgt Ion:228 Resp: 9719

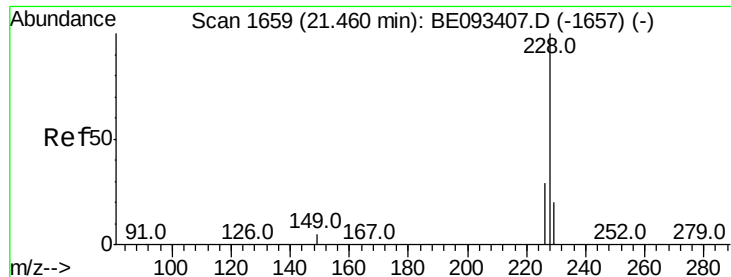
Ion Ratio Lower Upper

228 100

226 28.0 19.7 29.5

229 21.0 19.2 28.8





#31

Chrysene

Concen: 0.10 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

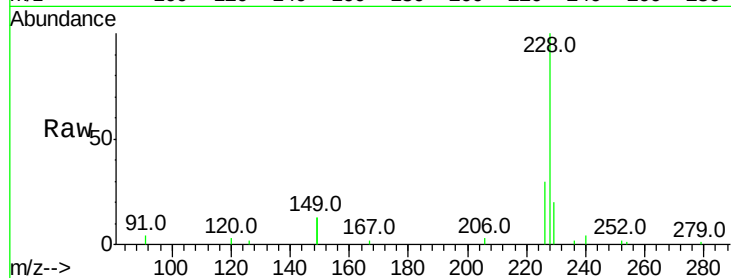
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 10212

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.5	32.3
229	19.8	18.6	28.0

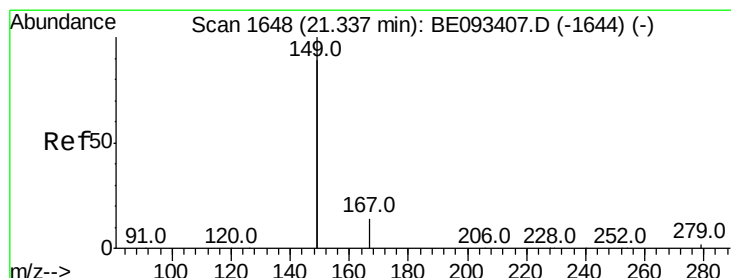
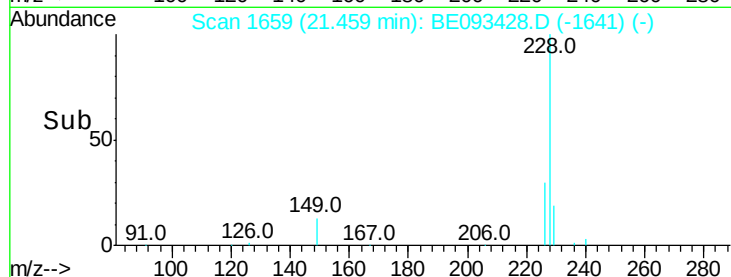
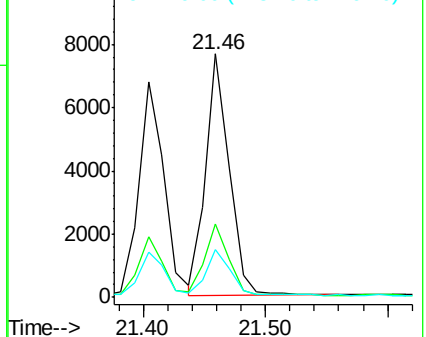


Abundance

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: 0.11 ng

RT: 21.33 min Scan# 1647

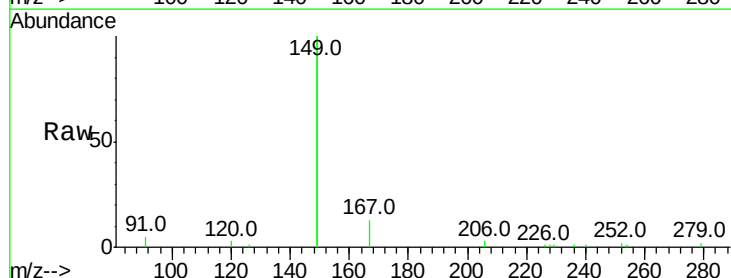
Delta R.T. -0.01 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Tgt Ion:149 Resp: 15612

Ion	Ratio	Lower	Upper
149	100		
167	6.6	20.1	30.1#
279	0.9	2.2	3.4#

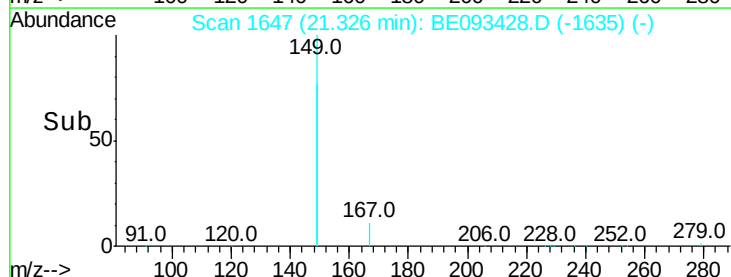
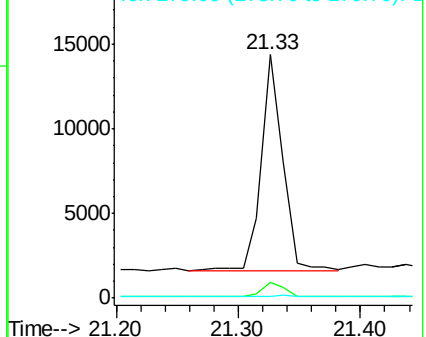


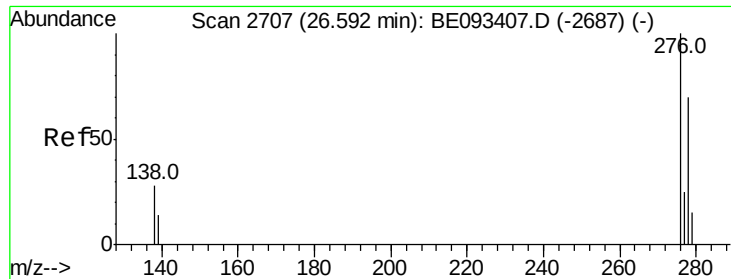
Abundance

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

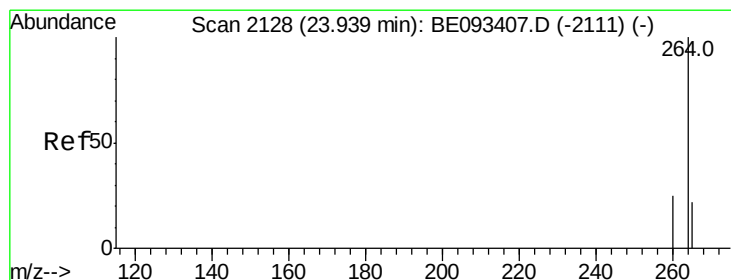
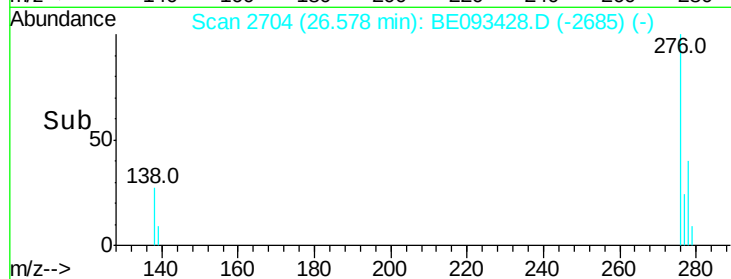
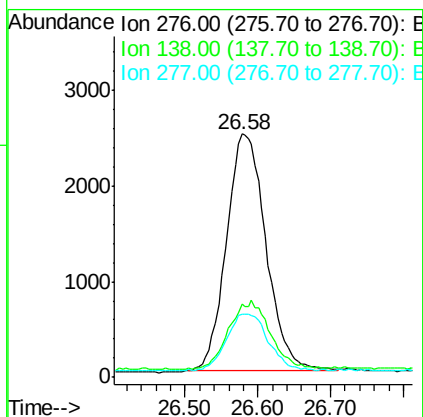
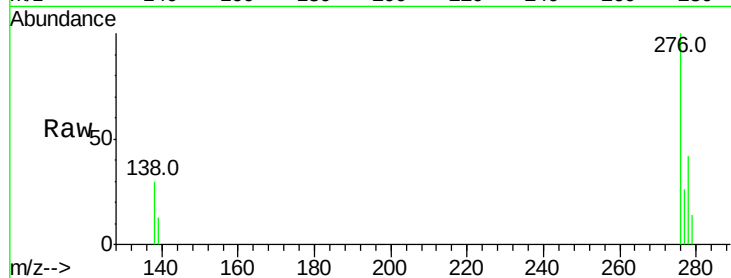




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.10 ng
 RT: 26.58 min Scan# 2704
 Delta R.T. -0.01 min
 Lab File: BE093428.D
 Acq: 6 Jul 2017 13:28

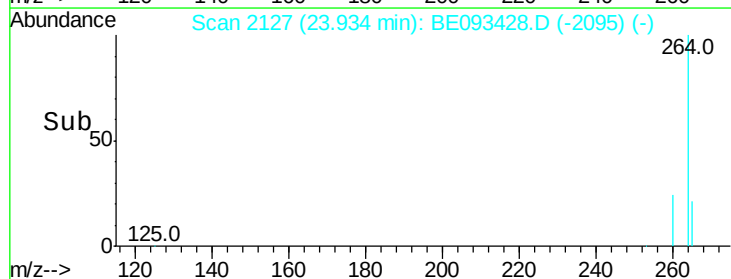
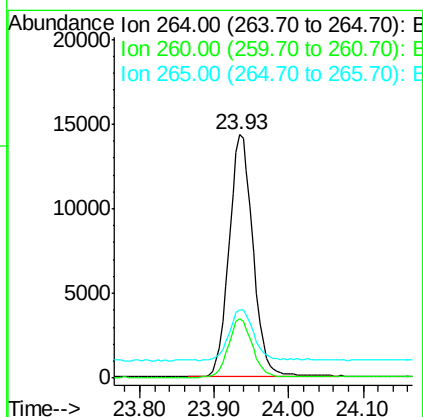
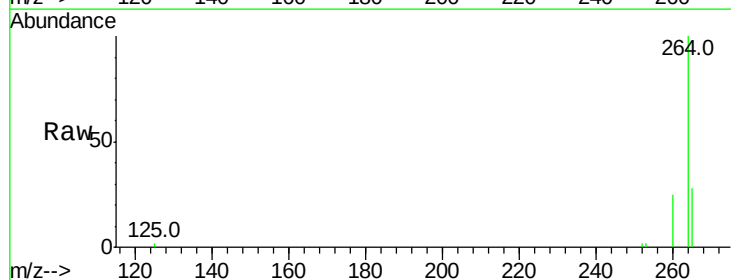
Instrument :
 BNA_E
 ClientSampleId :

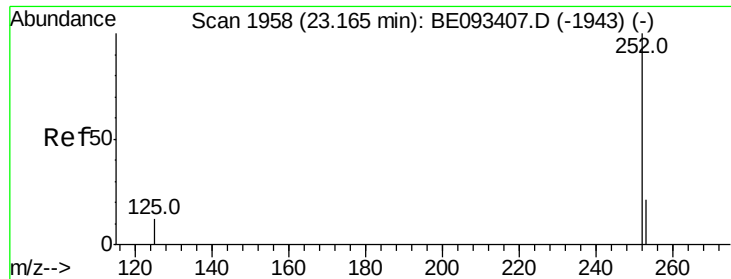
Tot Ion:276 Resp: 9406
 Ion Ratio Lower Upper
 276 100
 138 29.3 27.4 41.2
 277 24.9 20.1 30.1



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.93 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BE093428.D
 Acq: 6 Jul 2017 13:28

Tgt Ion:264 Resp: 31930
 Ion Ratio Lower Upper
 264 100
 260 24.5 21.0 31.4
 265 27.8 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.09 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :

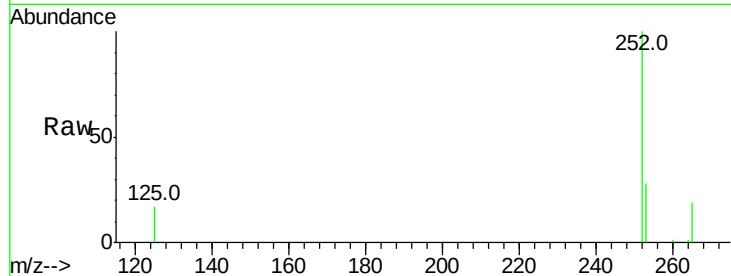
Tot Ion:252 Resp: 9596

Ion Ratio Lower Upper

252 100

253 27.5 18.5 27.7

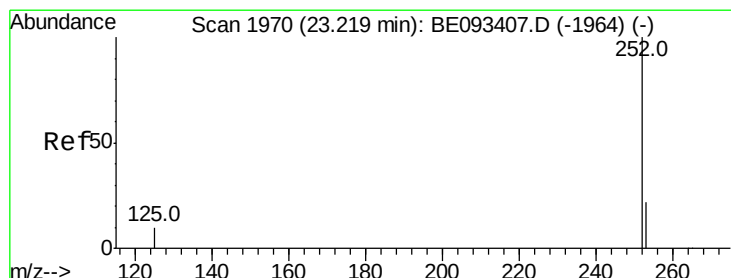
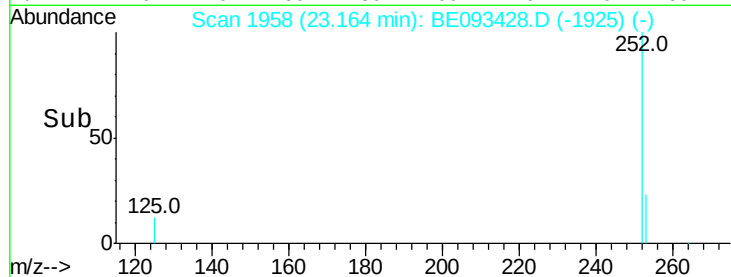
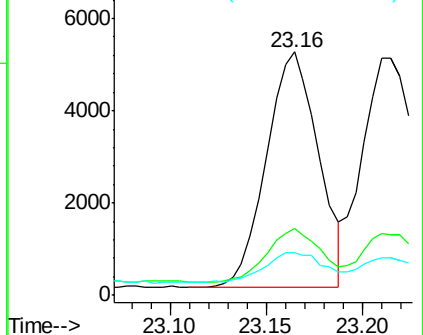
125 17.4 13.4 20.0



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: 0.10 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

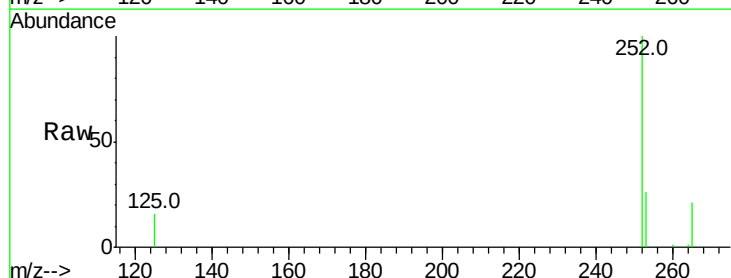
Tgt Ion:252 Resp: 9765

Ion Ratio Lower Upper

252 100

253 26.1 20.3 30.5

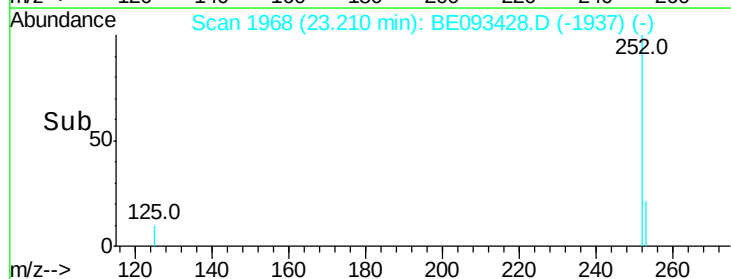
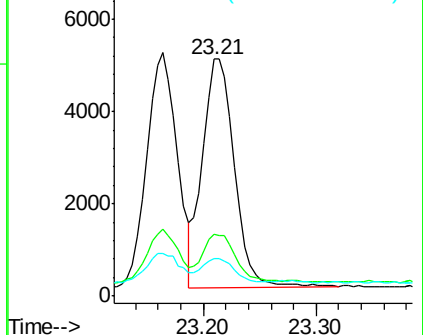
125 15.8 12.2 18.4

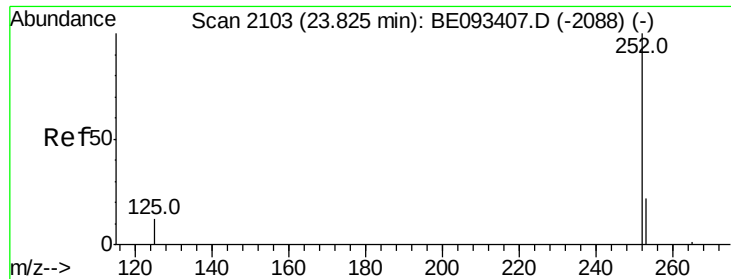


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

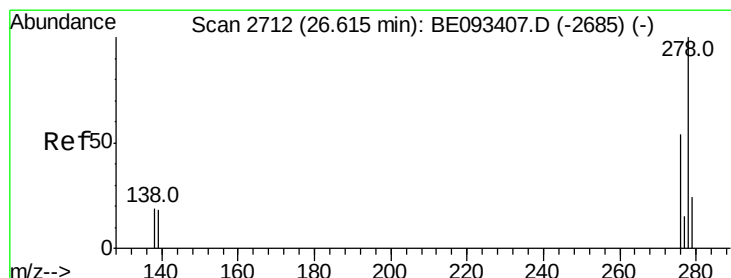
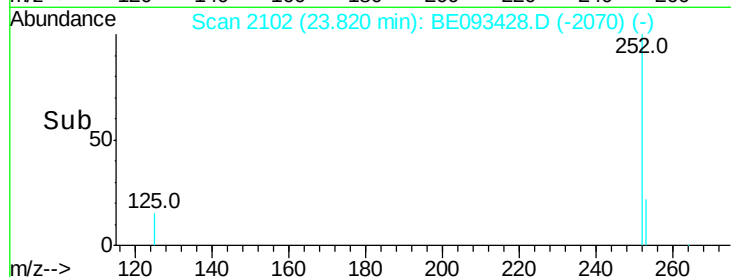
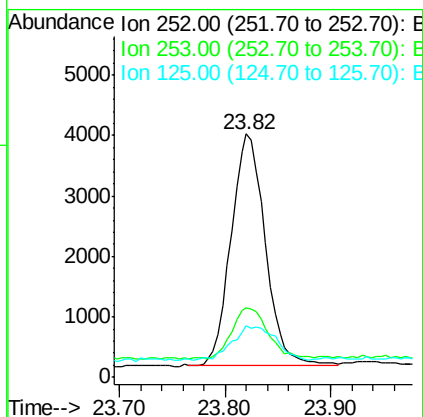
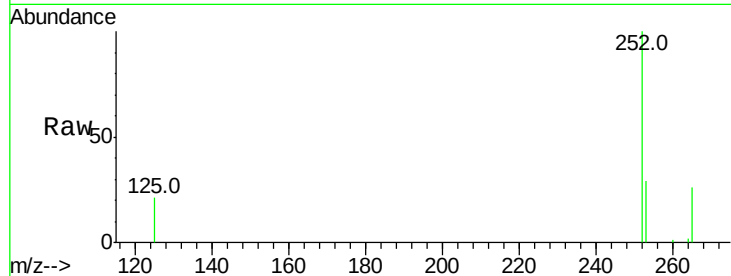




#37
Benzo(a)pyrene
Concen: 0.10 ng
RT: 23.82 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BE093428.D
Acq: 6 Jul 2017 13:28

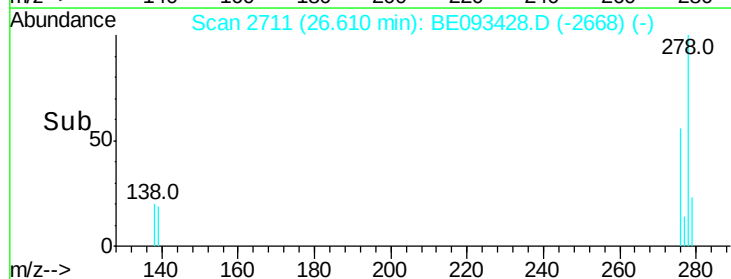
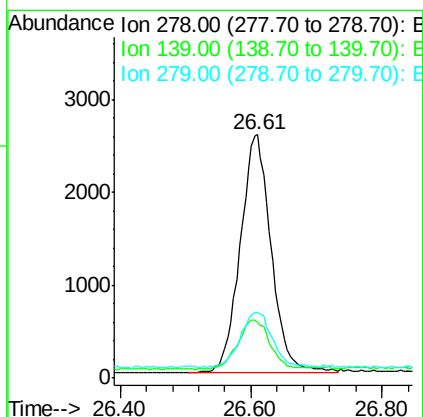
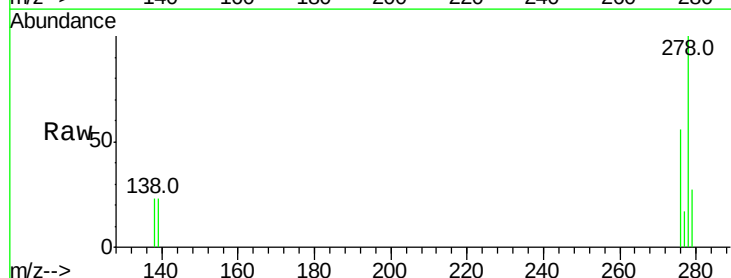
Instrument :
BNA_E
ClientSampleId :

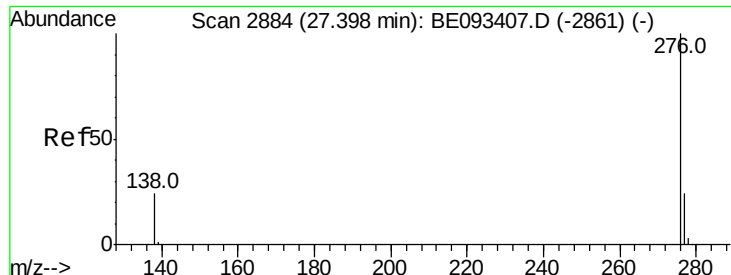
Tot Ion:252 Resp: 8722
Ion Ratio Lower Upper
252 100
253 28.6 19.9 29.9
125 21.3 14.6 21.8



#38
Dibenzo(a,h)anthracene
Concen: 0.10 ng
RT: 26.61 min Scan# 2711
Delta R.T. -0.00 min
Lab File: BE093428.D
Acq: 6 Jul 2017 13:28

Tgt Ion:278 Resp: 8435
Ion Ratio Lower Upper
278 100
139 22.6 21.4 32.0
279 27.0 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.10 ng

RT: 27.40 min Scan# 2884

Delta R.T. -0.00 min

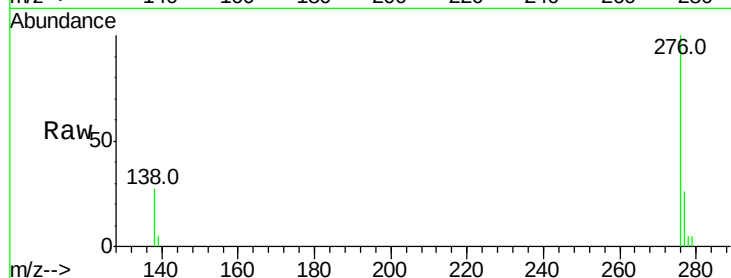
Lab File: BE093428.D

Acq: 6 Jul 2017 13:28

Instrument :

BNA_E

ClientSampleId :



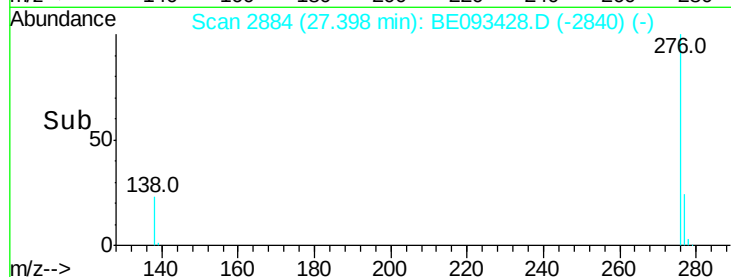
Tot Ion:276 Resp: 8625

Ion Ratio Lower Upper

276 100

277 25.7 21.2 31.8

138 26.7 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

