

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070617\
 Data File : BE093432.D
 Acq On : 6 Jul 2017 16:24
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc : L00 0.2 PPM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 07 06:50:28 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	4202	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	22562	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	14331	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	38447	0.40	ng	0.00
27) Chrysene-d12	21.43	240	38041	0.40	ng	0.00
34) Perylene-d12	23.93	264	32861	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	4798	0.38	ng	0.00
5) Phenol-d6	7.10	99	7666	0.41	ng	0.00
8) Nitrobenzene-d5	9.08	82	6251	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	14427	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1527	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	22228	0.40	ng	0.00
25) Fluoranthene-d10	19.29	212	153005	0.33	ng	0.00
29) Terphenyl-d14	19.87	244	27559	0.41	ng	0.00

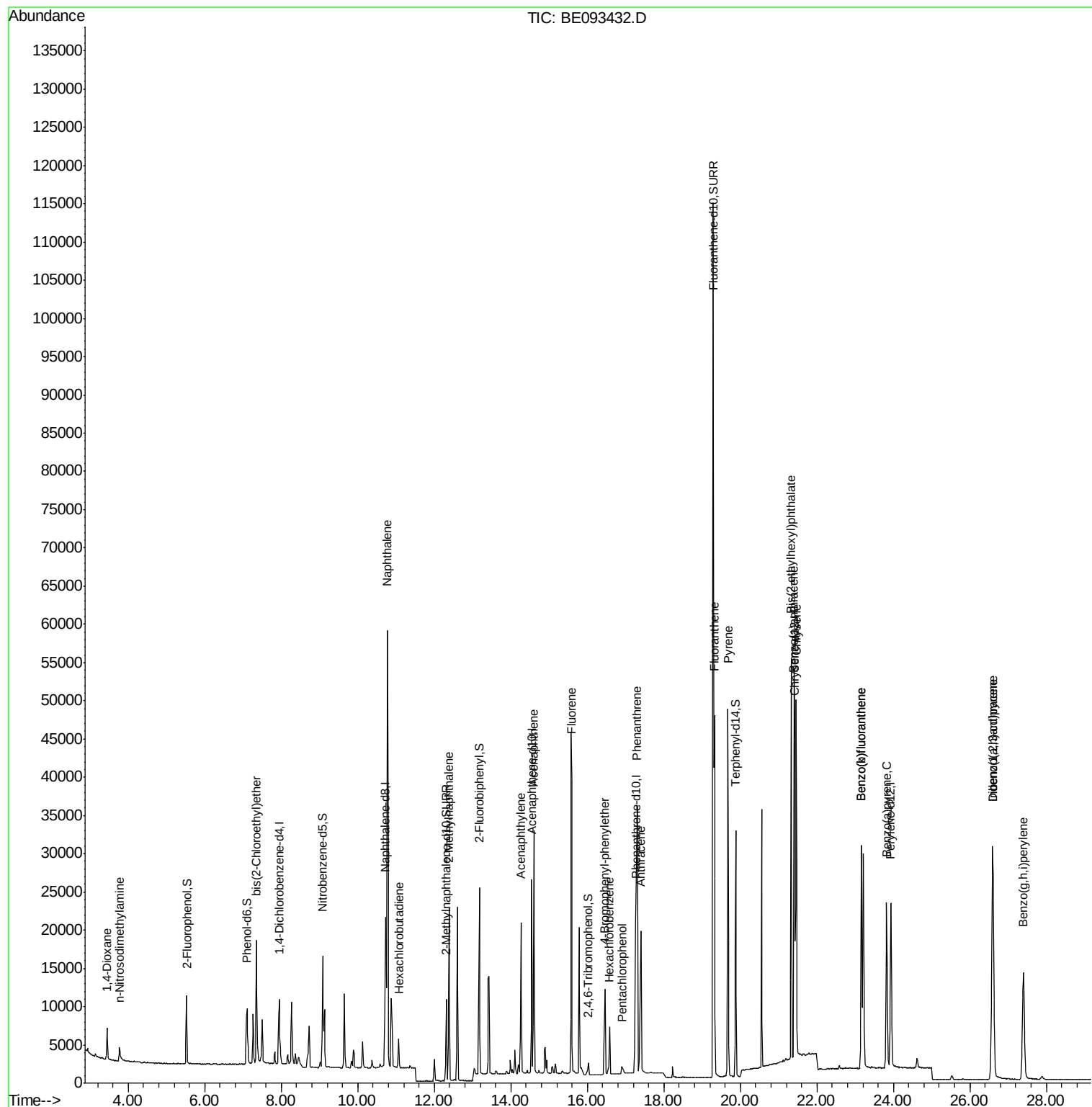
Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	3322	0.37	ng	97
3) n-Nitrosodimethylamine	3.76	42	1848	0.41	ng	# 98
6) bis(2-Chloroethyl)ether	7.35	93	5474	0.39	ng	# 98
9) Naphthalene	10.77	128	91257	0.39	ng	# 73
10) Hexachlorobutadiene	11.08	225	3385	0.38	ng	99
12) 2-Methylnaphthalene	12.38	142	15802	0.40	ng	96
16) Acenaphthylene	14.26	152	22992	0.39	ng	# 87
17) Acenaphthene	14.60	154	16860	0.39	ng	99
18) Fluorene	15.59	166	22084	0.37	ng	# 87
20) 4-Bromophenyl-phenylether	16.45	248	8524	0.40	ng	# 21
21) Hexachlorobenzene	16.58	284	8975	0.39	ng	# 100
22) Pentachlorophenol	16.91	266	1070	0.36	ng	# 75
23) Phenanthrene	17.30	178	51894	0.37	ng	98
24) Anthracene	17.40	178	27458	0.32	ng	93
26) Fluoranthene	19.32	202	43799	0.33	ng	99
28) Pyrene	19.67	202	44014	0.41	ng	# 99
30) Benzo(a)anthracene	21.40	228	39683	0.39	ng	92
31) Chrysene	21.46	228	41761	0.39	ng	94
32) Bis(2-ethylhexyl)phthalate	21.33	149	57136	0.39	ng	# 66
33) Indeno(1,2,3-cd)pyrene	26.59	276	39622	0.42	ng	95
35) Benzo(b)fluoranthene	23.16	252	39385	0.37	ng	97
36) Benzo(k)fluoranthene	23.16	252	39385	0.38	ng	96
37) Benzo(a)pyrene	23.82	252	36016	0.39	ng	94
38) Dibenzo(a,h)anthracene	26.61	278	35261	0.39	ng	# 92
39) Benzo(g,h,i)perylene	27.40	276	34779	0.38	ng	# 91

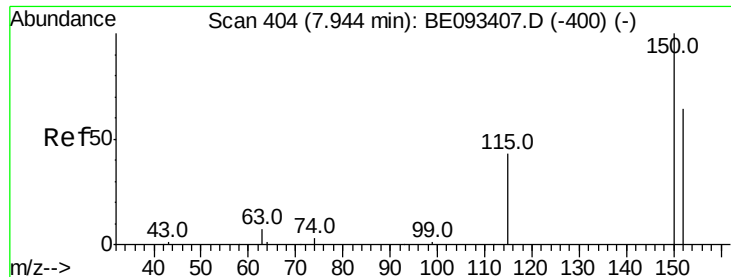
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.94 min Scan# 404

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

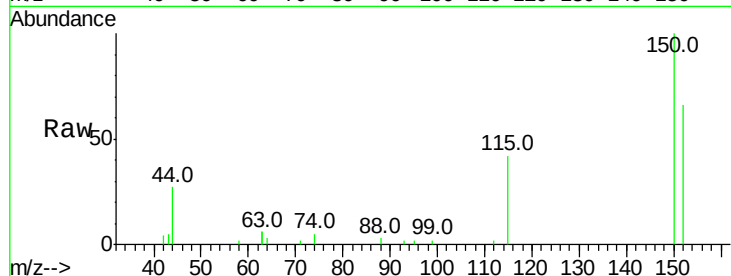
Tot Ion:152 Resp: 4202

Ion Ratio Lower Upper

152 100

150 152.3 125.1 187.7

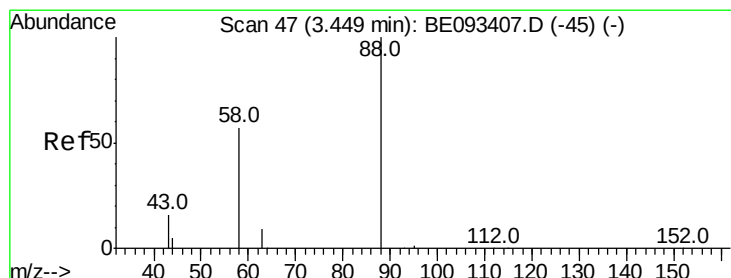
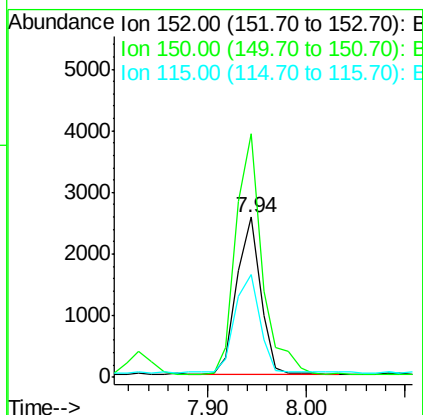
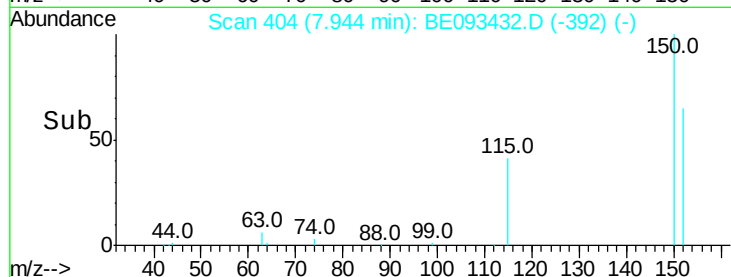
115 64.4 55.7 83.5



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: 0.37 ng

RT: 3.45 min Scan# 47

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

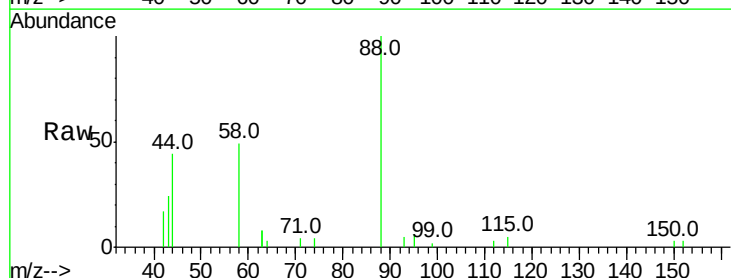
Tgt Ion: 88 Resp: 3322

Ion Ratio Lower Upper

88 100

58 75.9 62.2 93.4

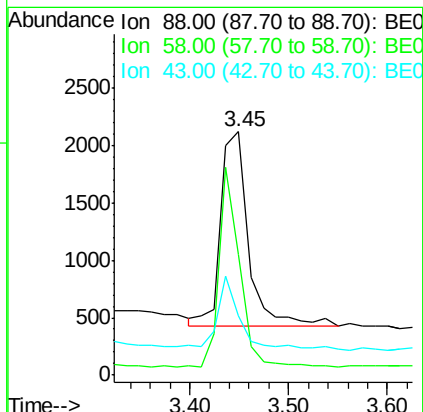
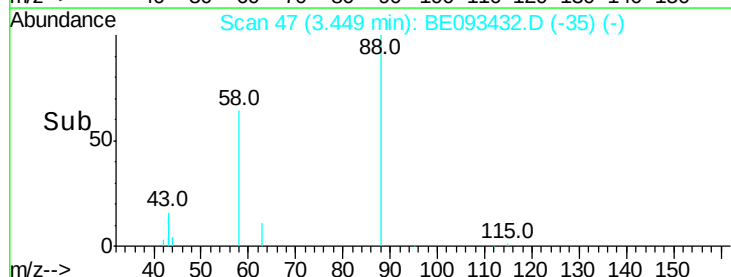
43 31.9 23.2 34.8

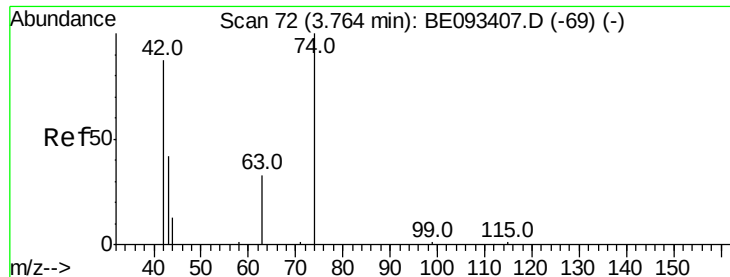


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.41 ng

RT: 3.76 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

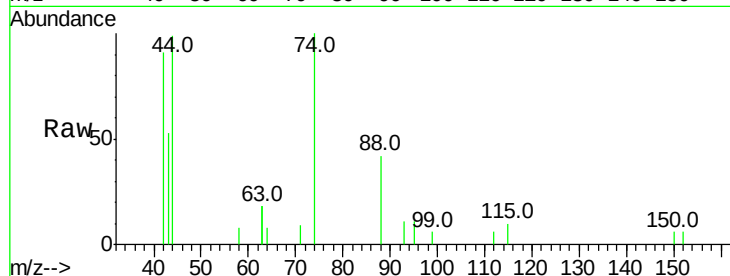
Tot Ion: 42 Resp: 1848

Ion Ratio Lower Upper

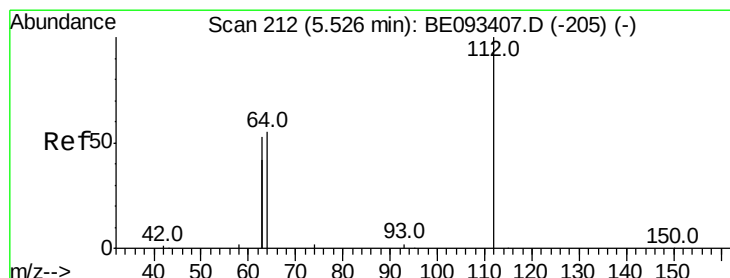
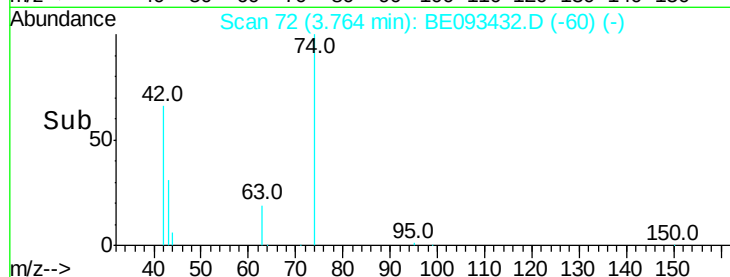
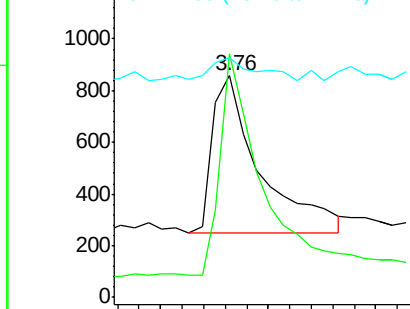
42 100

74 124.4 99.1 148.7

44 15.5 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: 0.38 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

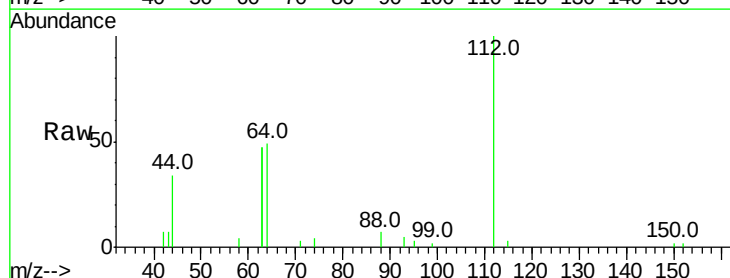
Tgt Ion: 112 Resp: 4798

Ion Ratio Lower Upper

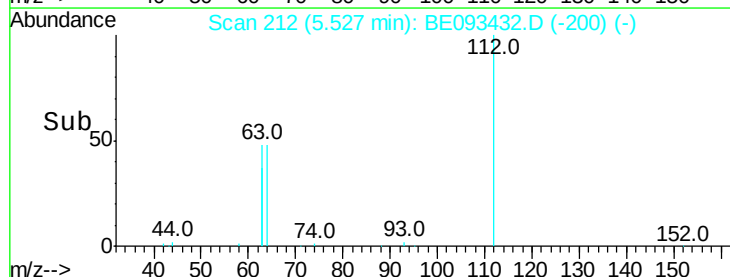
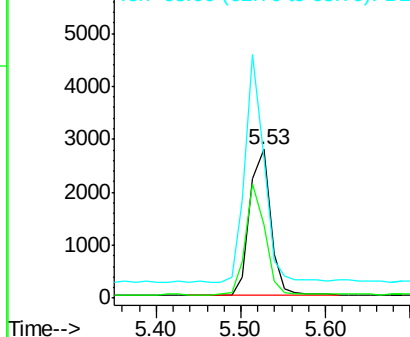
112 100

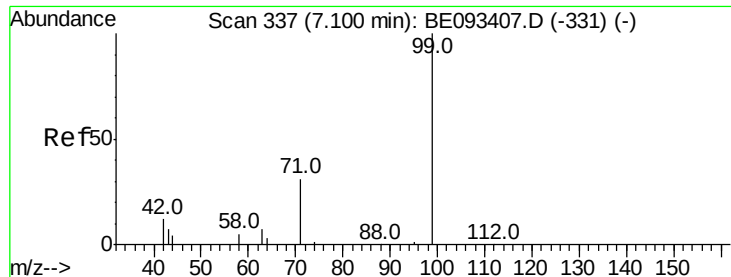
64 70.0 56.4 84.6

63 141.1 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: 0.41 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampled :

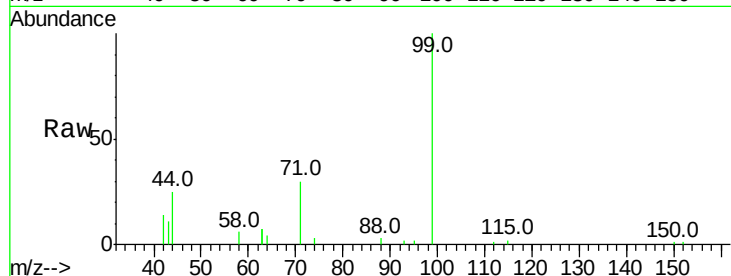
Tot Ion: 99 Resp: 7666

Ion Ratio Lower Upper

99 100

42 20.1 0.0 0.0#

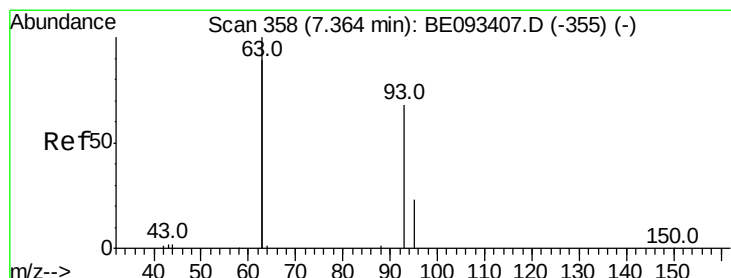
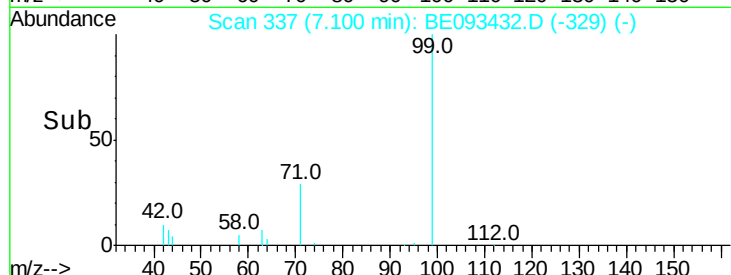
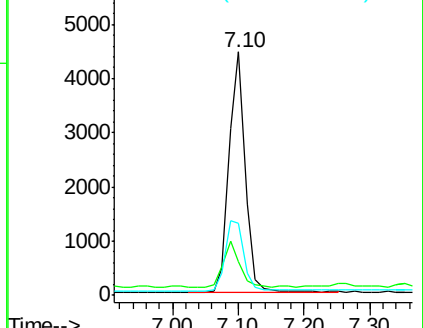
71 33.1 0.0 0.0#



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: 0.39 ng

RT: 7.35 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

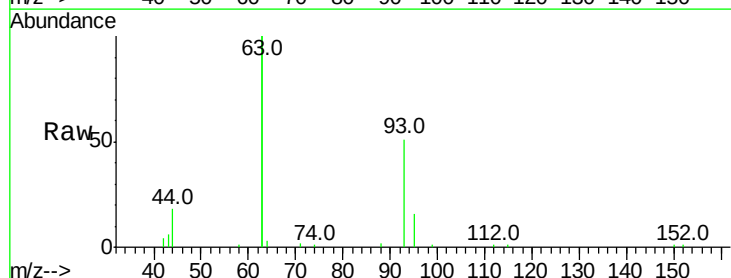
Tgt Ion: 93 Resp: 5474

Ion Ratio Lower Upper

93 100

63 356.1 0.0 0.0#

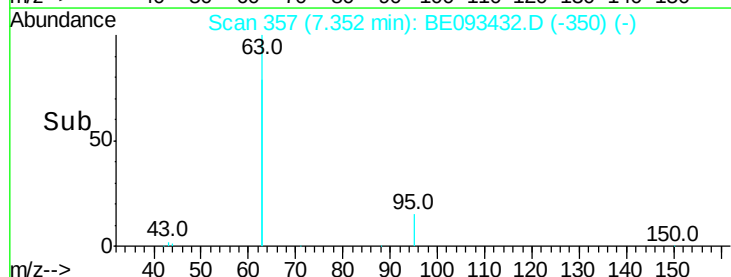
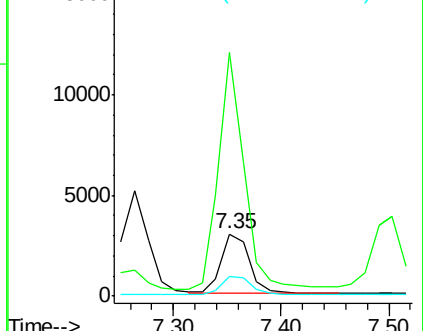
95 32.6 25.4 38.0

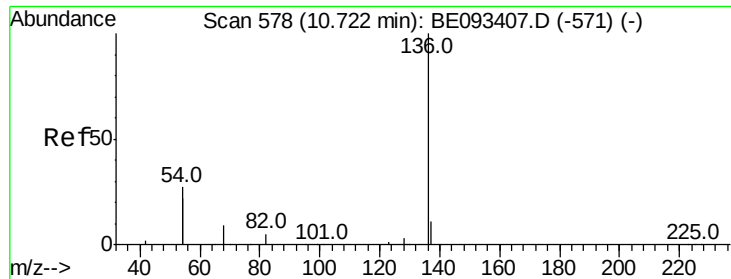


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 22562

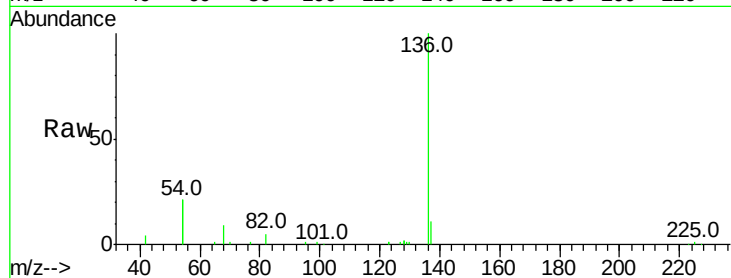
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 42.7 10.3 15.5#

68 8.7 9.0 13.4#

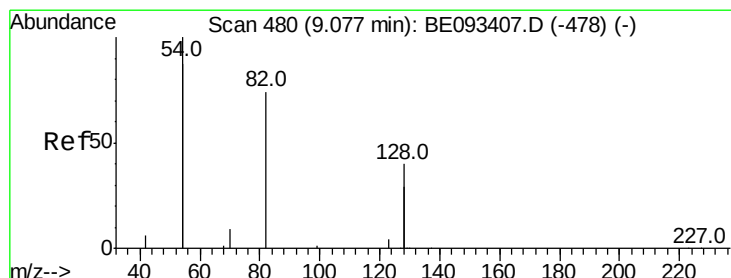
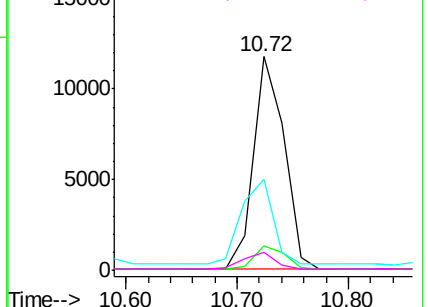
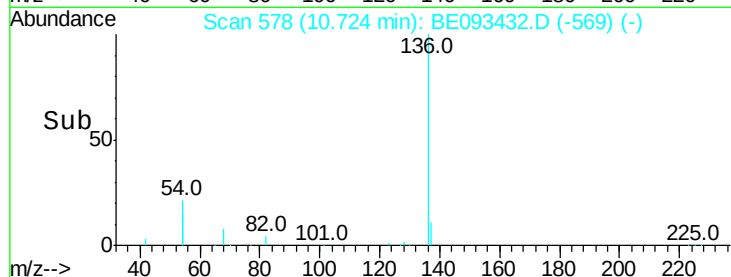


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.43 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

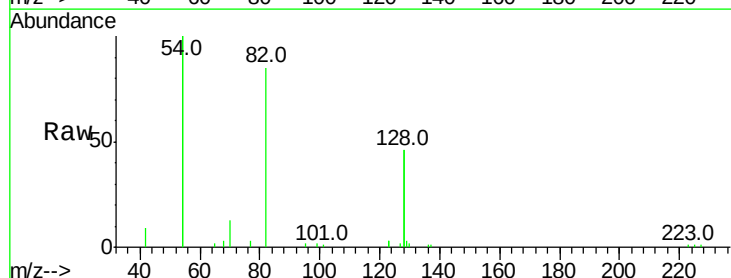
Tgt Ion: 82 Resp: 6251

Ion Ratio Lower Upper

82 100

128 107.0 17.0 25.4#

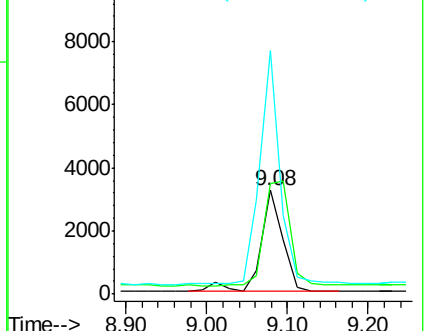
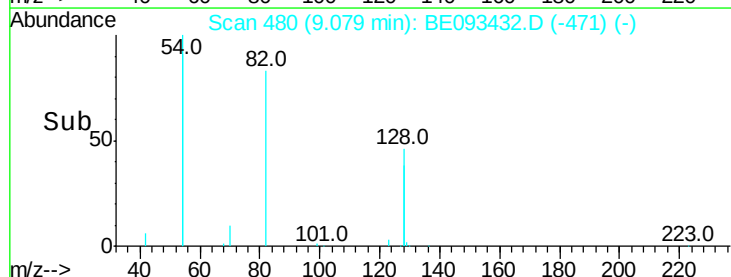
54 234.5 53.8 80.6#

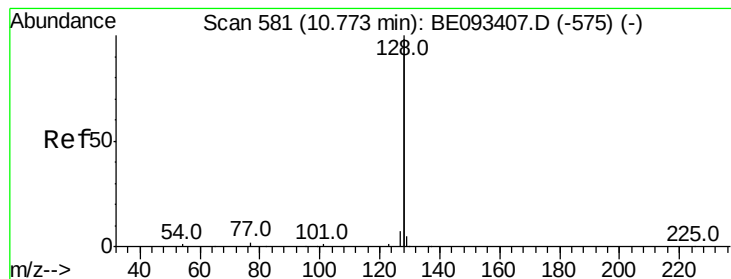


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.39 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

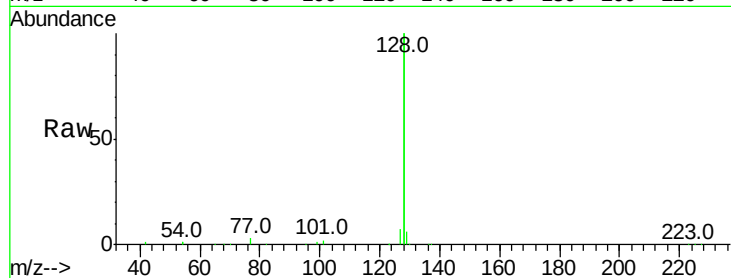
Tot Ion:128 Resp: 91257

Ion Ratio Lower Upper

128 100

129 2.8 11.4 17.0#

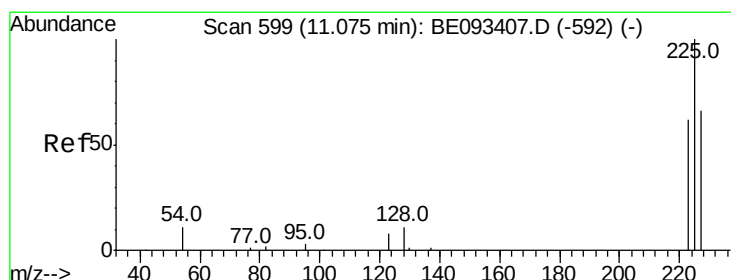
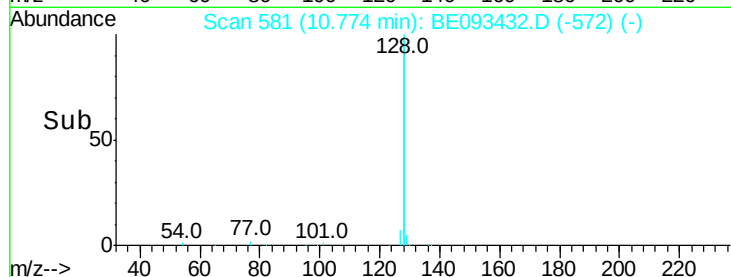
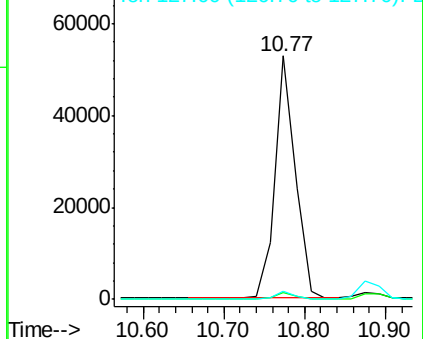
127 3.4 11.2 16.8#



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: 0.38 ng

RT: 11.08 min Scan# 599

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

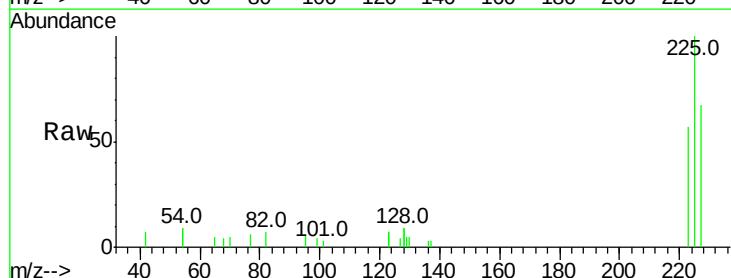
Tgt Ion:225 Resp: 3385

Ion Ratio Lower Upper

225 100

223 60.9 49.7 74.5

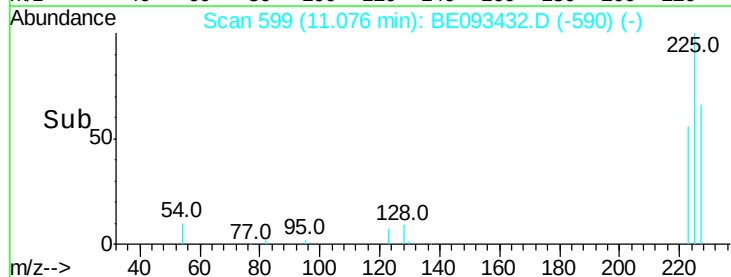
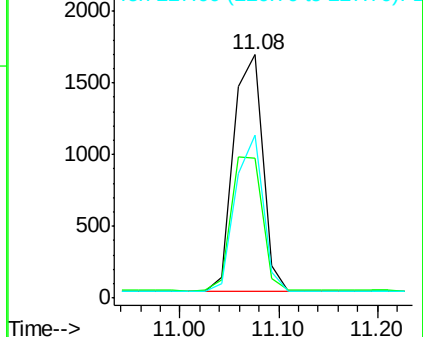
227 62.9 50.3 75.5

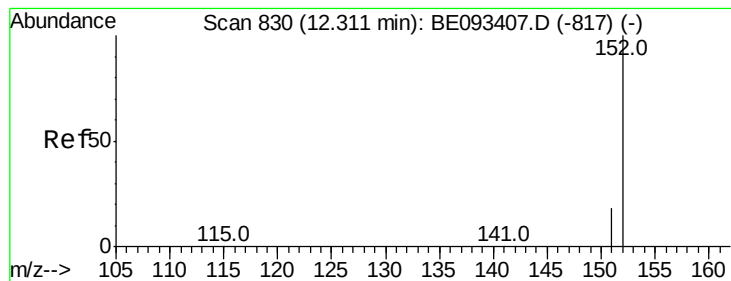


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.40 ng

RT: 12.31 min Scan# 830

Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

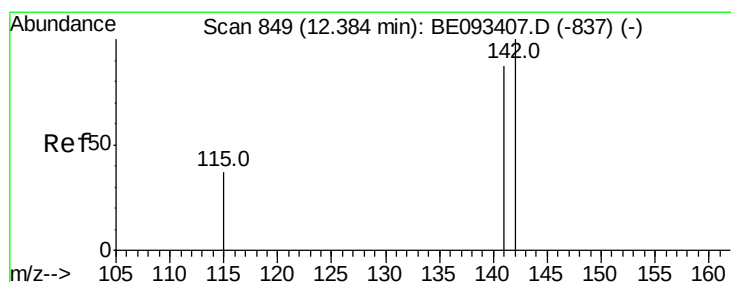
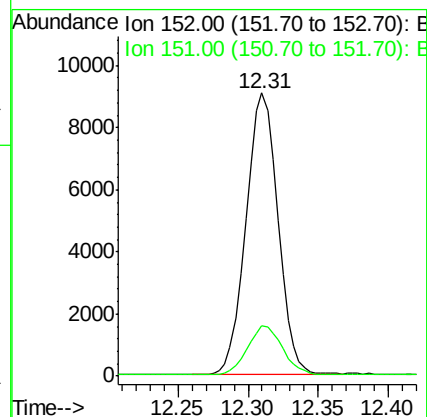
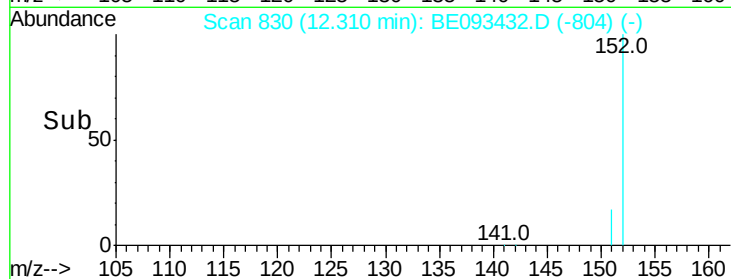
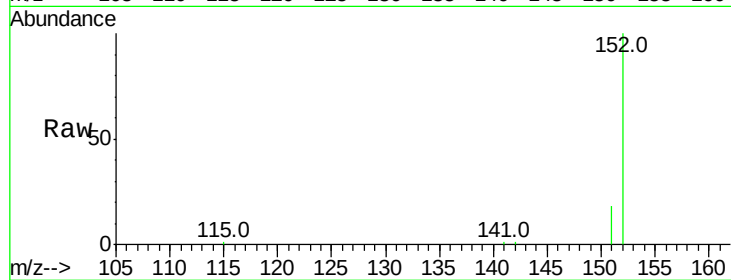
ClientSampled :

Tot Ion:152 Resp: 14427

Ion Ratio Lower Upper

152 100

151 18.8 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.40 ng

RT: 12.38 min Scan# 849

Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

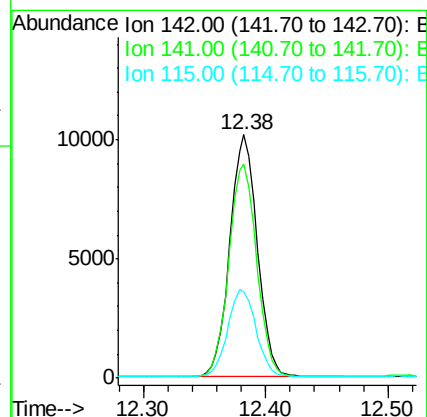
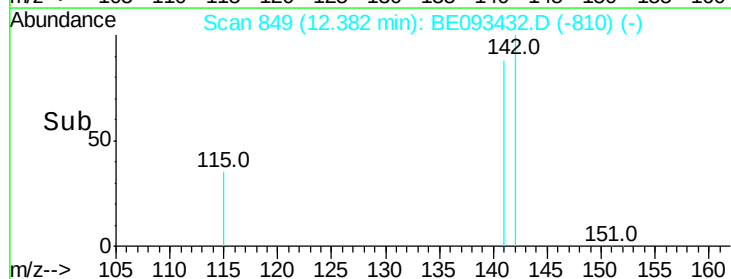
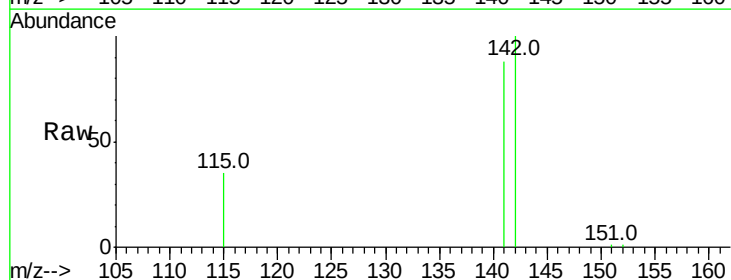
Tgt Ion:142 Resp: 15802

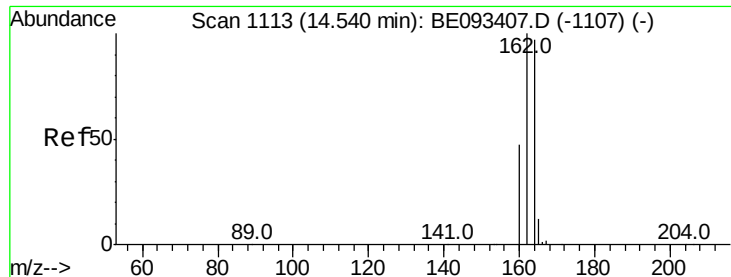
Ion Ratio Lower Upper

142 100

141 88.0 72.6 108.8

115 35.5 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.54 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

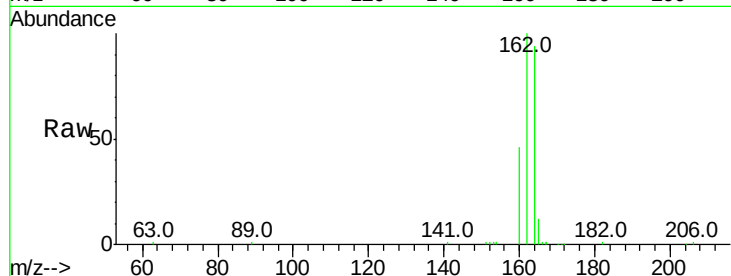
Tot Ion:164 Resp: 14331

Ion Ratio Lower Upper

164 100

162 106.6 84.6 127.0

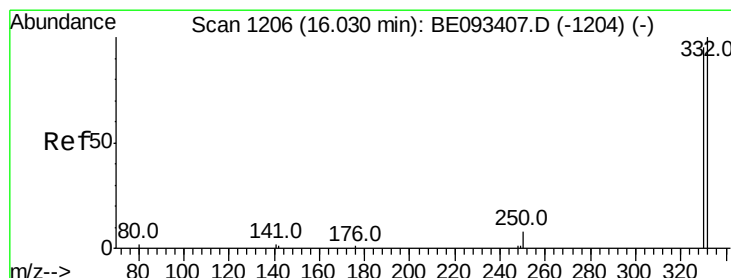
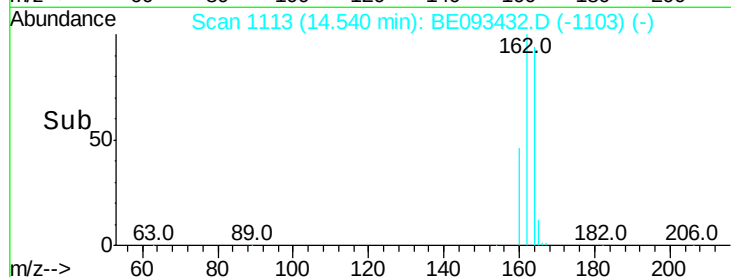
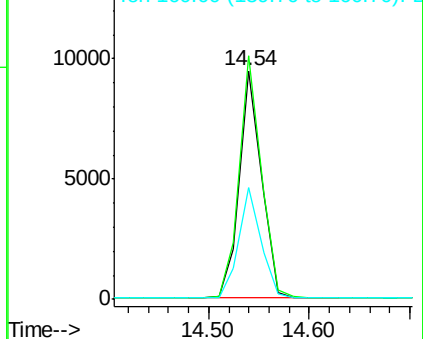
160 49.1 41.8 62.6



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: 0.34 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

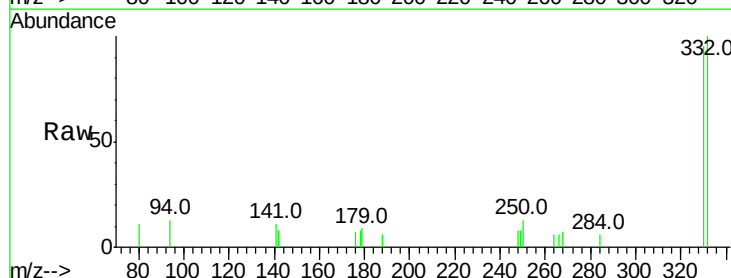
Tgt Ion:330 Resp: 1527

Ion Ratio Lower Upper

330 100

332 105.8 77.7 116.5

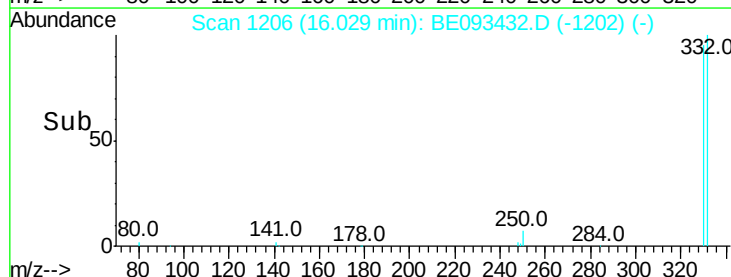
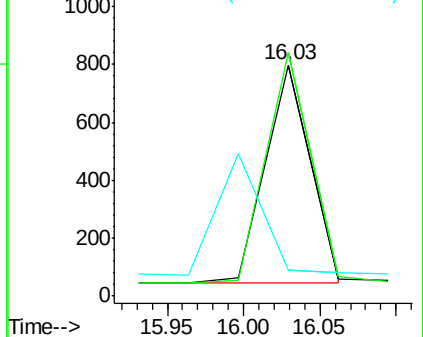
141 0.0 56.2 84.4#

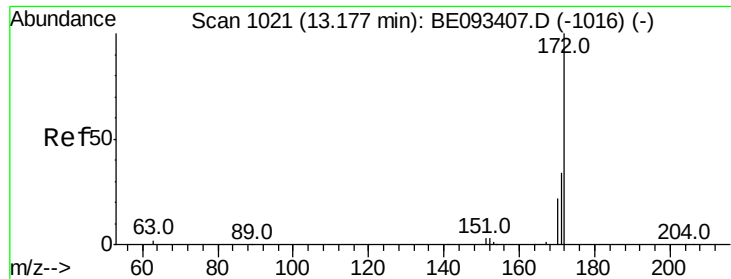


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

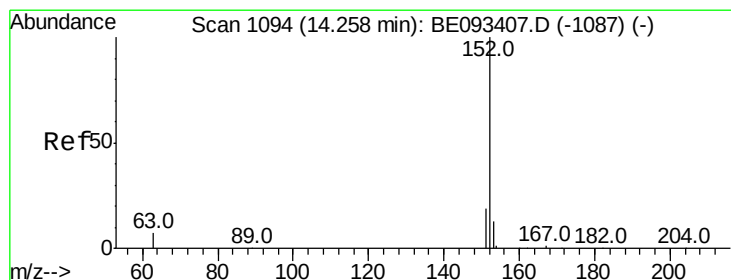
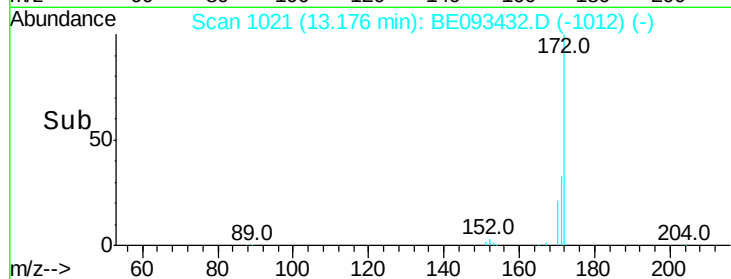
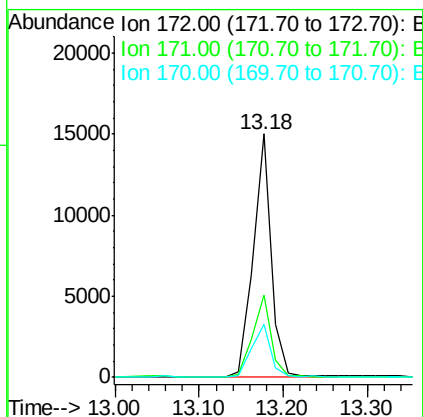
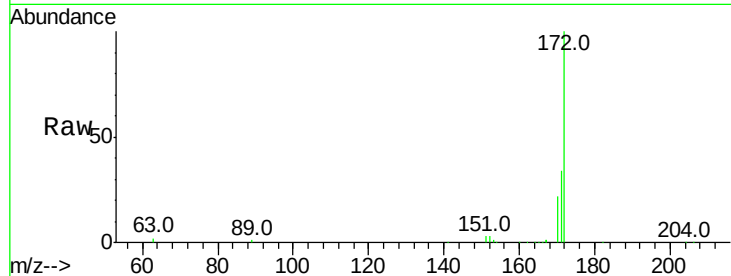




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.18 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE093432.D
Acq: 6 Jul 2017 16:24

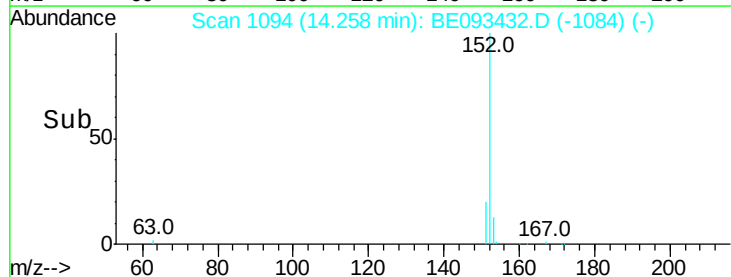
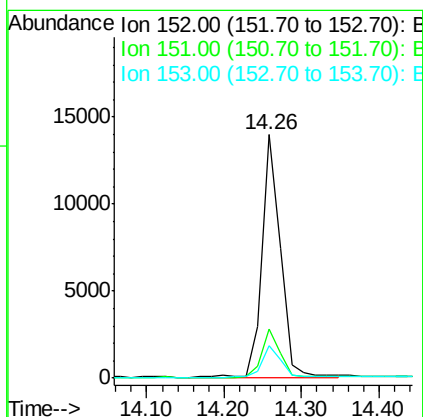
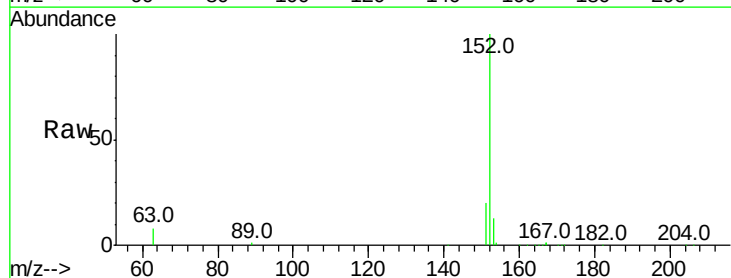
Instrument :
BNA_E
ClientSampleId :

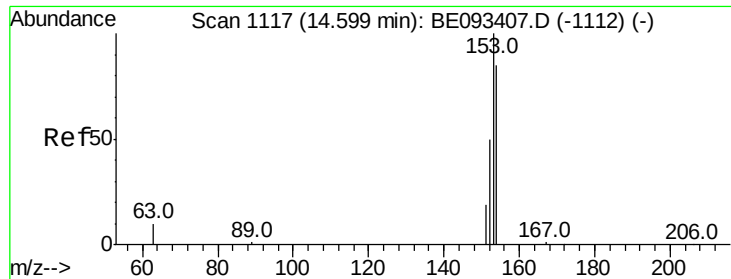
Tot Ion:172 Resp: 22228
Ion Ratio Lower Upper
172 100
171 33.8 29.8 44.6
170 21.7 20.7 31.1



#16
Acenaphthylene
Concen: 0.39 ng
RT: 14.26 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BE093432.D
Acq: 6 Jul 2017 16:24

Tgt Ion:152 Resp: 22992
Ion Ratio Lower Upper
152 100
151 19.5 4.0 6.0#
153 13.1 10.3 15.5

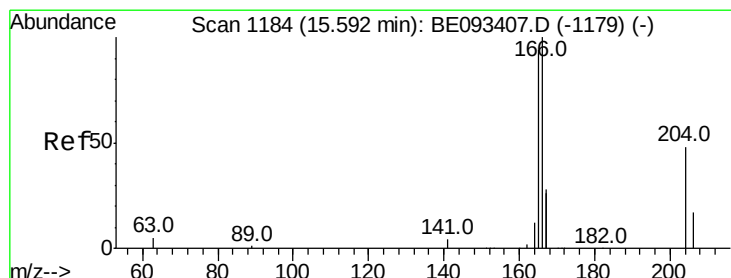
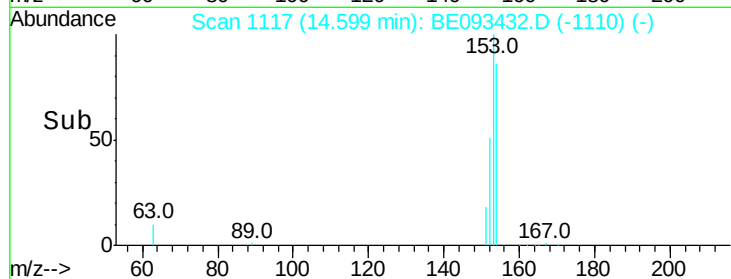
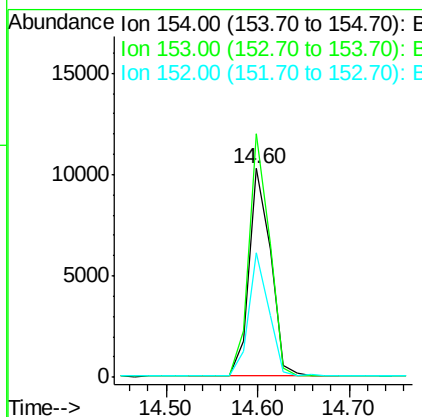
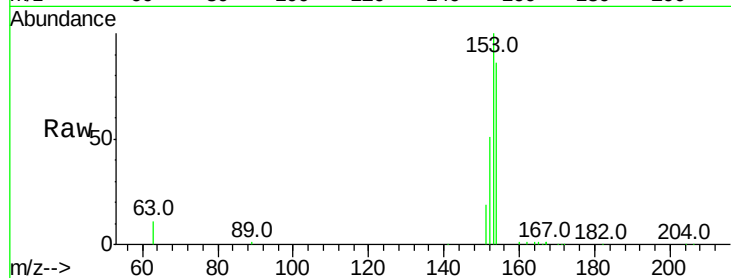




#17
Acenaphthene
Concen: 0.39 ng
RT: 14.60 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE093432.D
Acq: 6 Jul 2017 16:24

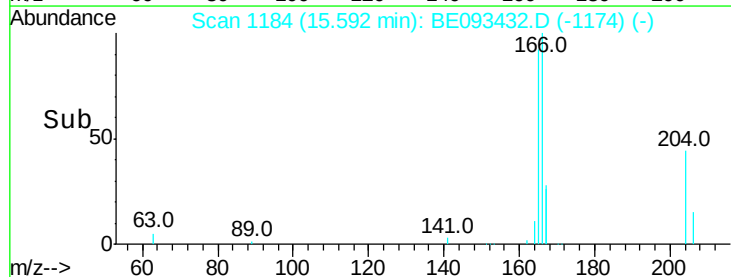
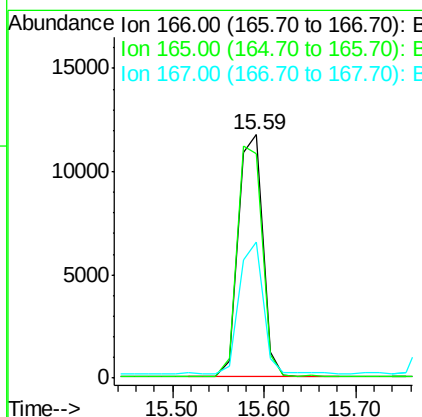
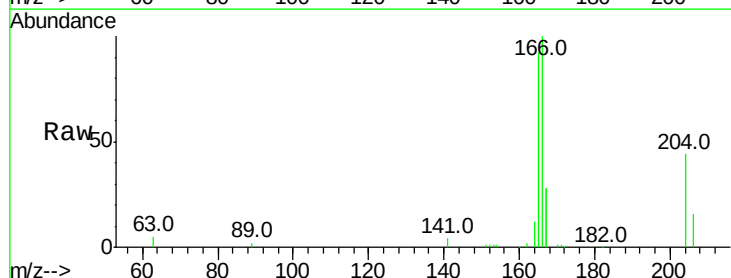
Instrument :
BNA_E
ClientSampleId :

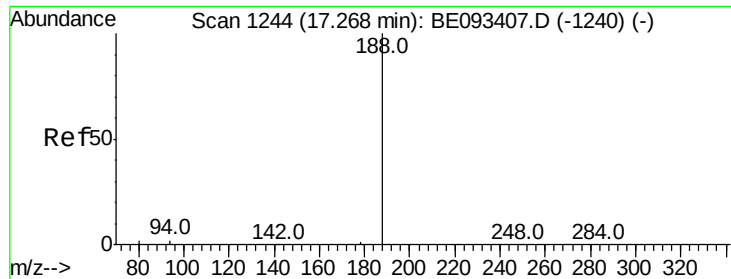
Tot Ion:154 Resp: 16860
Ion Ratio Lower Upper
154 100
153 112.3 91.2 136.8
152 56.1 44.8 67.2



#18
Fluorene
Concen: 0.37 ng
RT: 15.59 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BE093432.D
Acq: 6 Jul 2017 16:24

Tgt Ion:166 Resp: 22084
Ion Ratio Lower Upper
166 100
165 97.3 78.6 117.8
167 52.6 11.1 16.7#

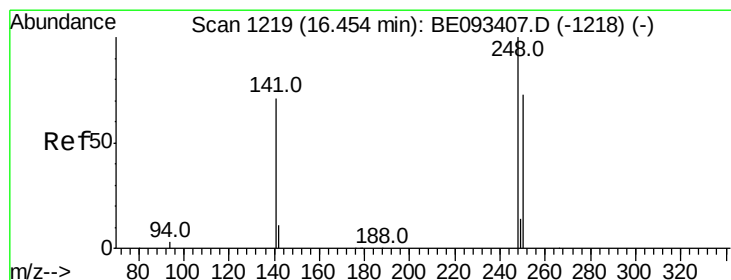
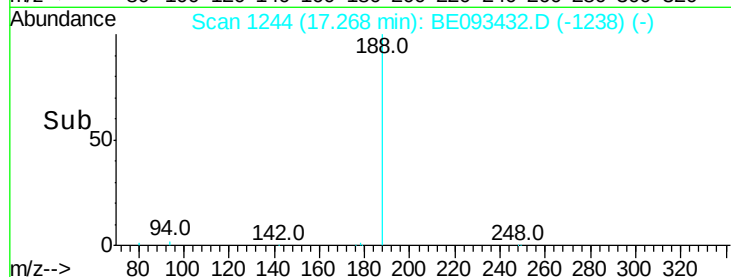
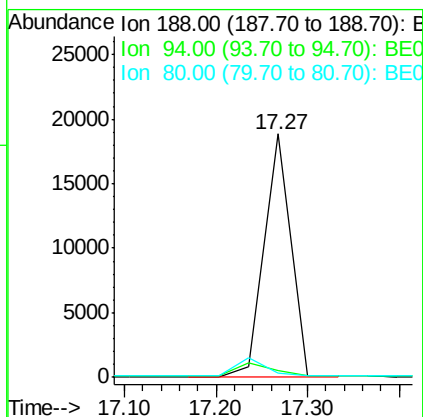
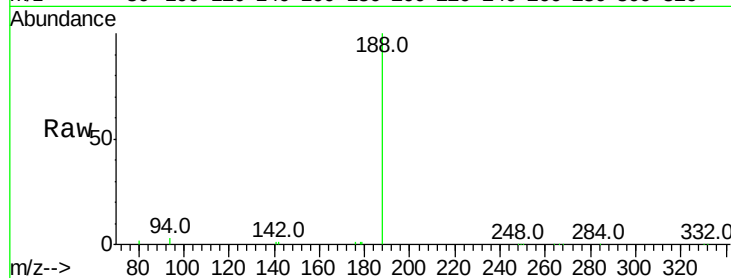




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093432.D
Acq: 6 Jul 2017 16:24

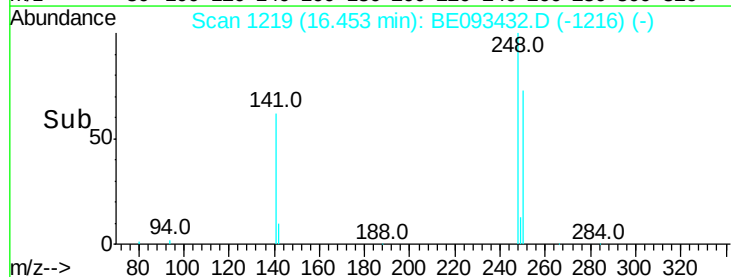
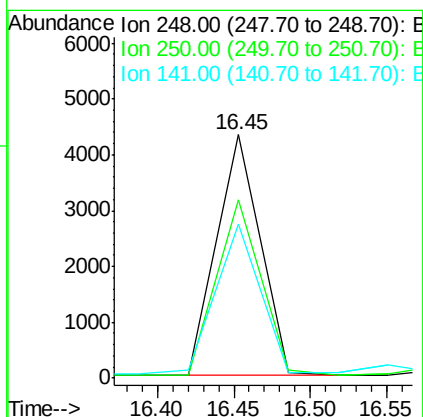
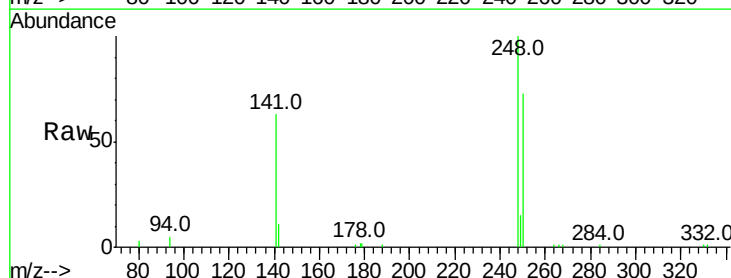
Instrument :
BNA_E
ClientSampleId :

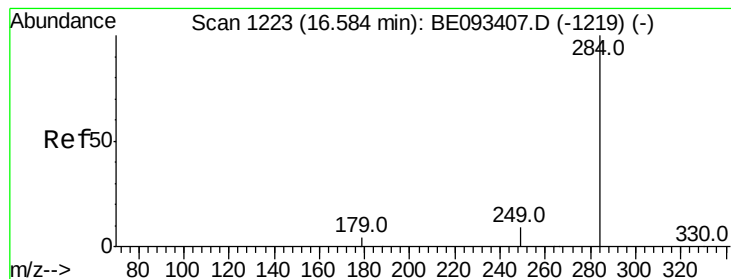
Tot Ion:188 Resp: 38447
Ion Ratio Lower Upper
188 100
94 2.7 11.3 16.9#
80 2.0 11.7 17.5#



#20
4-Bromophenyl-phenylether
Concen: 0.40 ng
RT: 16.45 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BE093432.D
Acq: 6 Jul 2017 16:24

Tgt Ion:248 Resp: 8524
Ion Ratio Lower Upper
248 100
250 73.2 40.8 61.2#
141 63.5 161.6 242.4#





#21

Hexachlorobenzene

Concen: 0.39 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

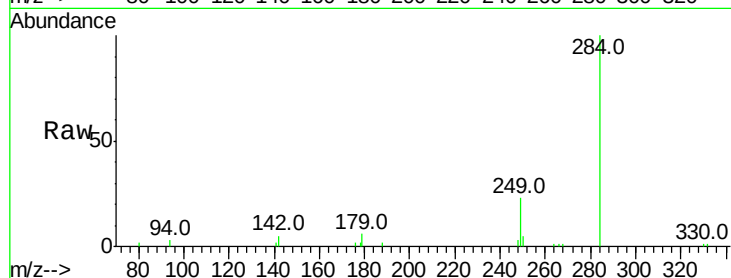
Tot Ion:284 Resp: 8975

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

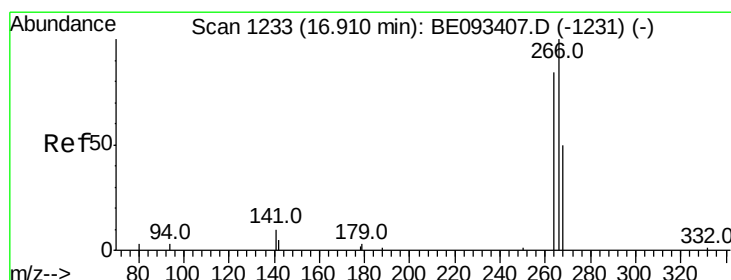
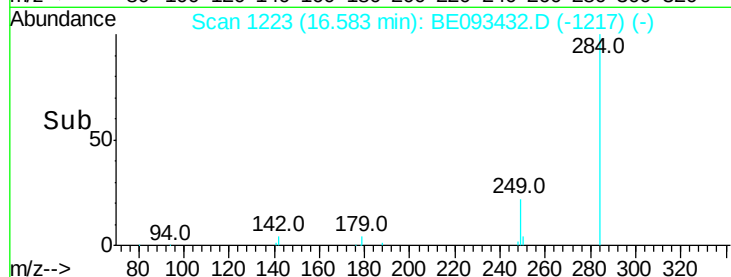
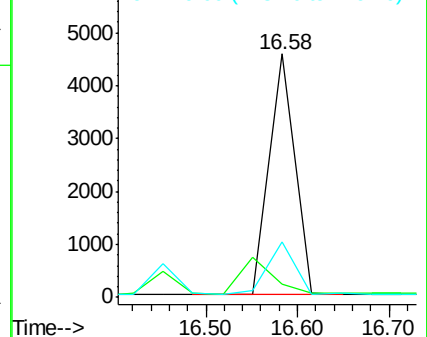
249 22.5 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.36 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

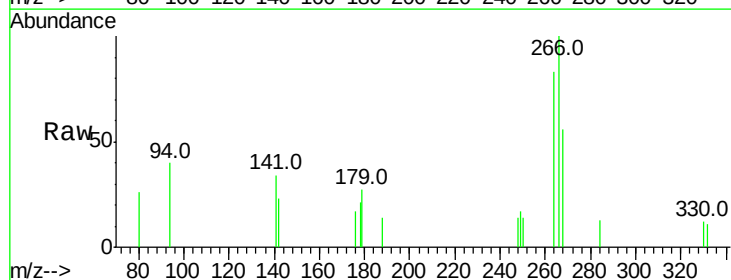
Tgt Ion:266 Resp: 1070

Ion Ratio Lower Upper

266 100

264 83.3 58.2 87.2

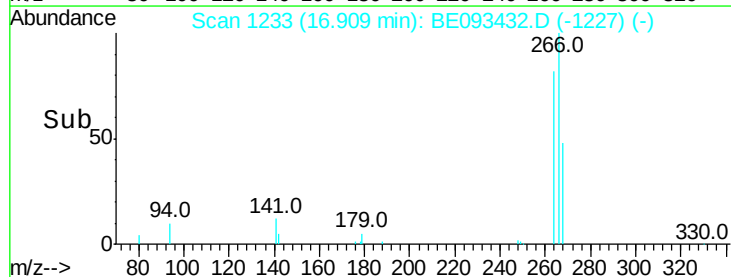
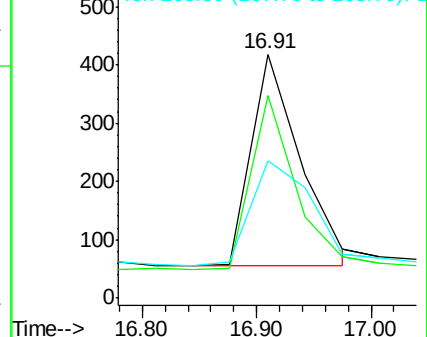
268 56.2 71.9 107.9#

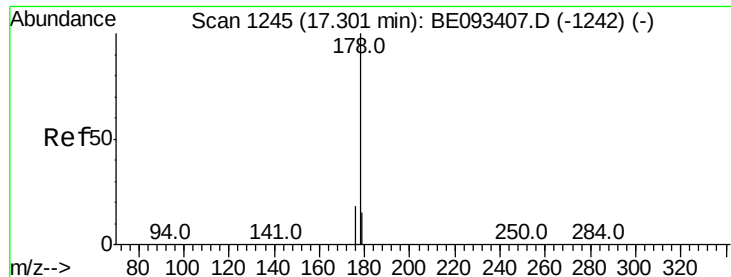


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.37 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

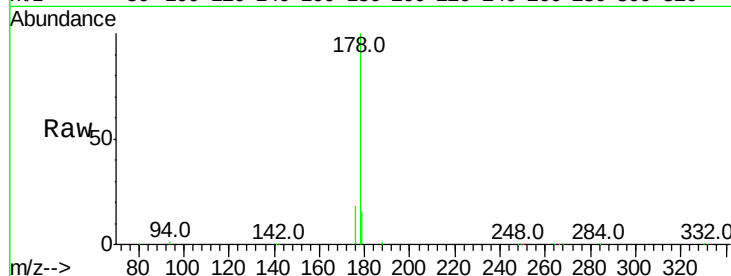
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 51894

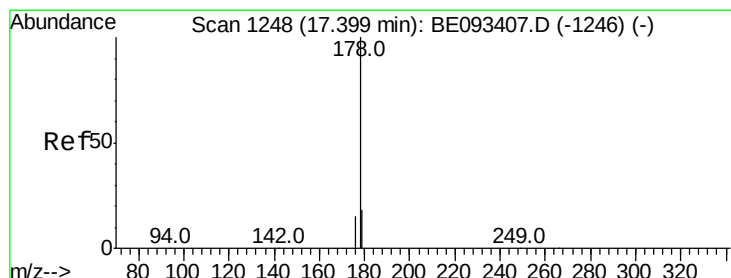
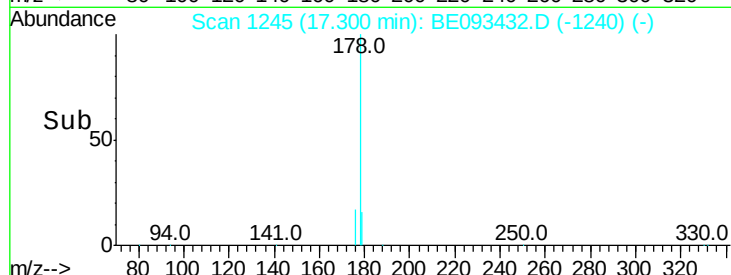
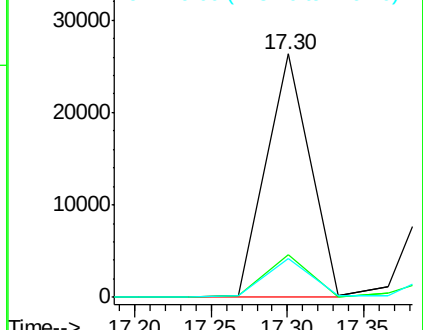
Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	15.8	12.7	19.1



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: 0.32 ng

RT: 17.40 min Scan# 1248

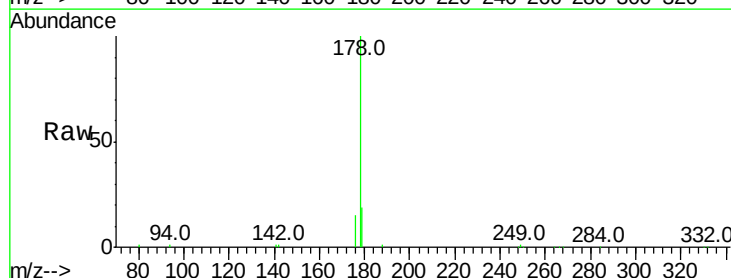
Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Tgt Ion:178 Resp: 27458

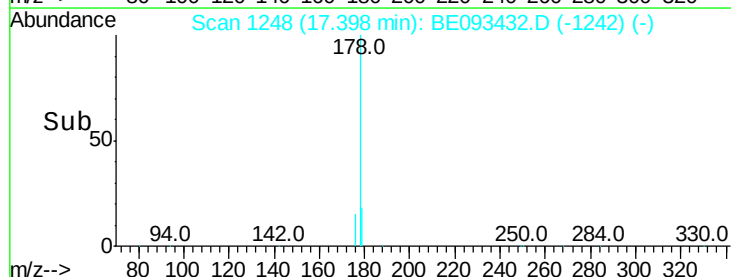
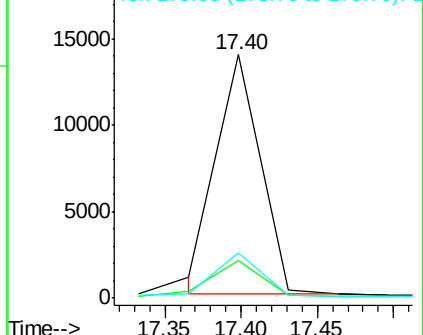
Ion	Ratio	Lower	Upper
178	100		
176	14.8	14.6	22.0
179	17.9	12.0	18.0

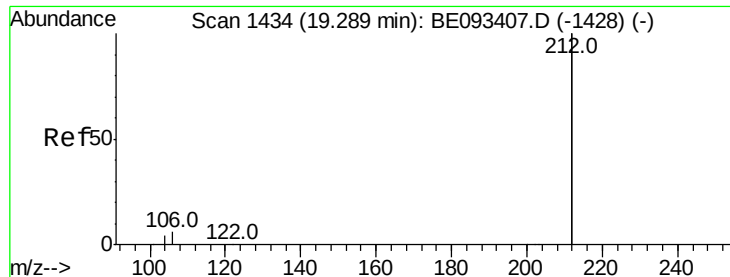


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.33 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE093432.D

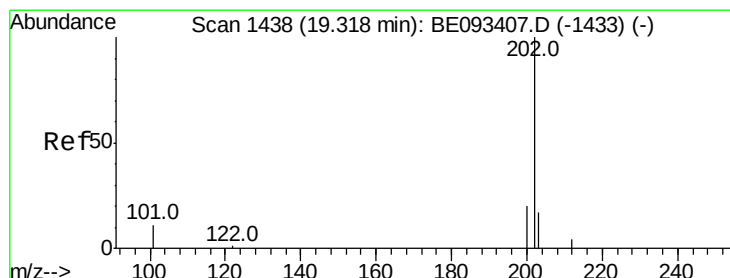
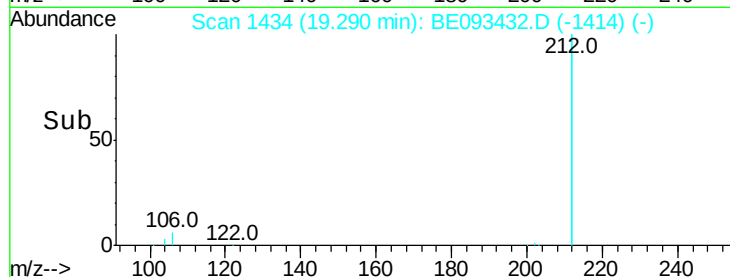
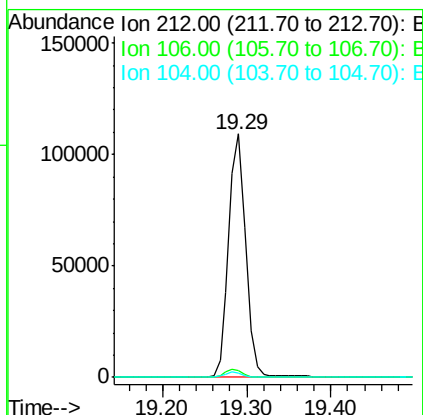
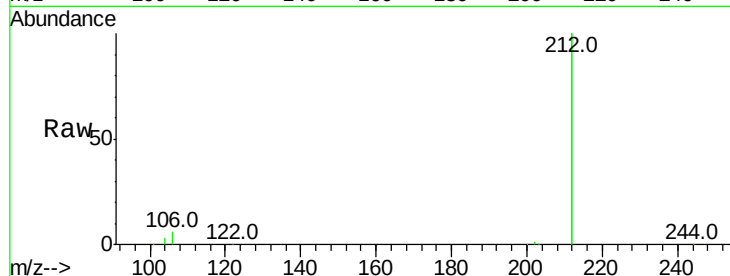
Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampled :

Tot Ion:212	Resp:	153005
Ion Ratio	Lower	Upper
212 100		
106 3.4	2.4	3.6
104 1.9	1.6	2.4



#26

Fluoranthene

Concen: 0.33 ng

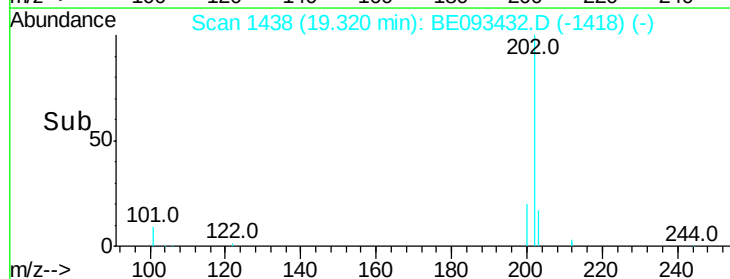
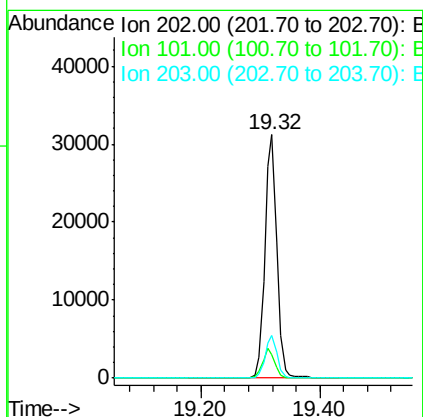
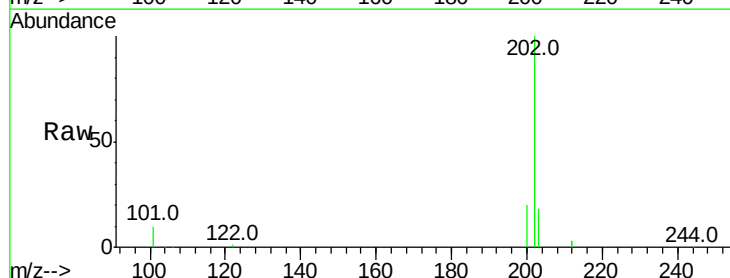
RT: 19.32 min Scan# 1438

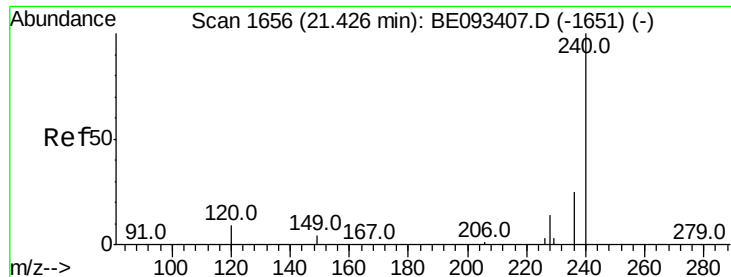
Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Tgt Ion:202	Resp:	43799
Ion Ratio	Lower	Upper
202 100		
101 12.0	9.6	14.4
203 17.0	14.4	21.6





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.43 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

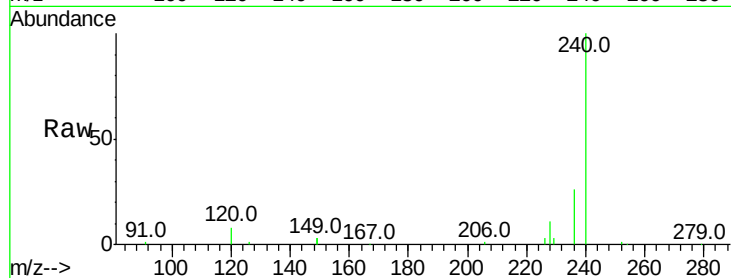
Tot Ion:240 Resp: 38041

Ion Ratio Lower Upper

240 100

120 8.0 4.6 7.0#

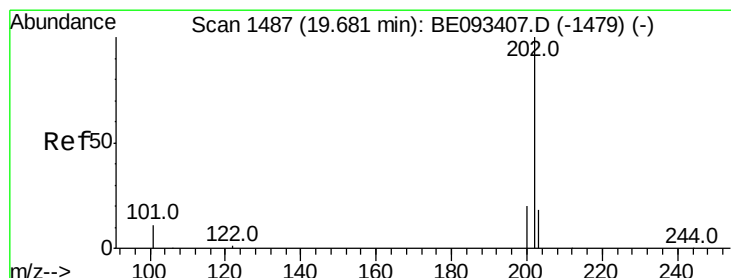
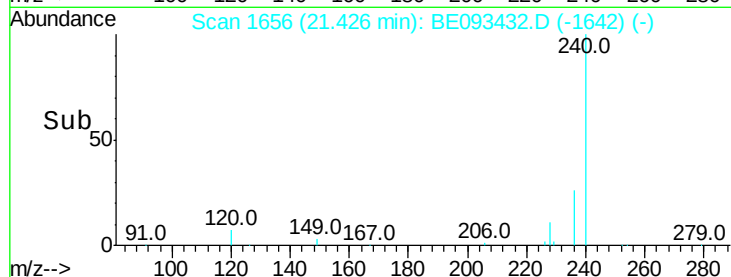
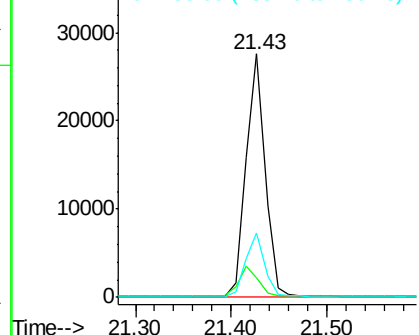
236 26.3 20.8 31.2



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: 0.41 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

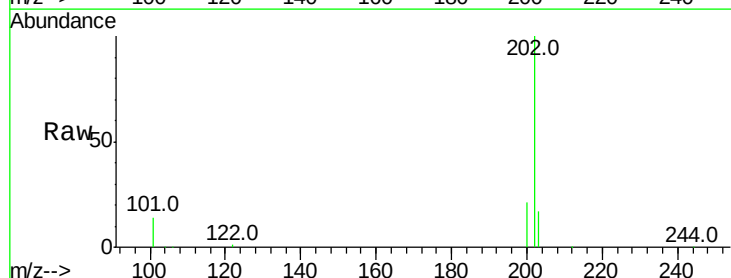
Tgt Ion:202 Resp: 44014

Ion Ratio Lower Upper

202 100

200 20.7 0.0 0.0#

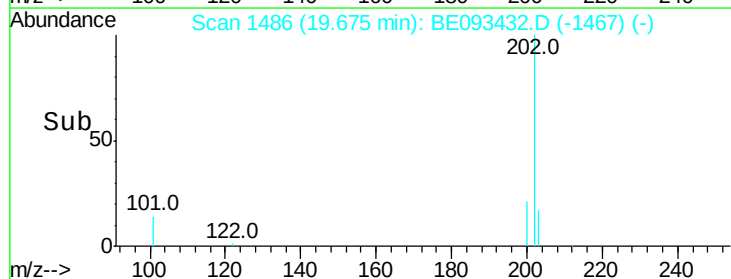
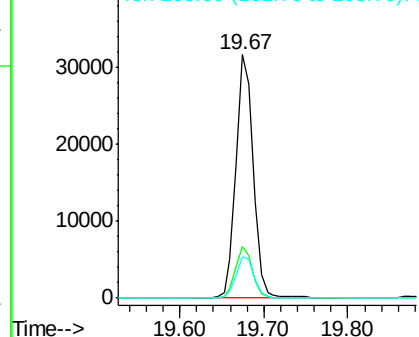
203 17.7 13.7 20.5

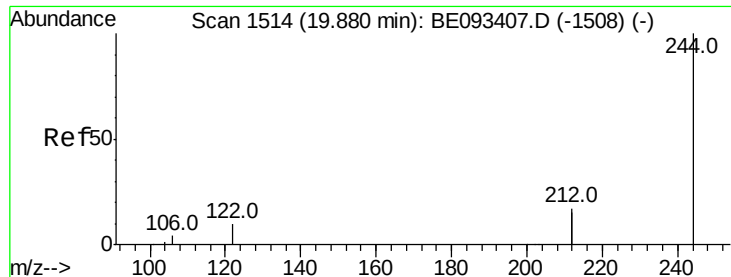


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.41 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

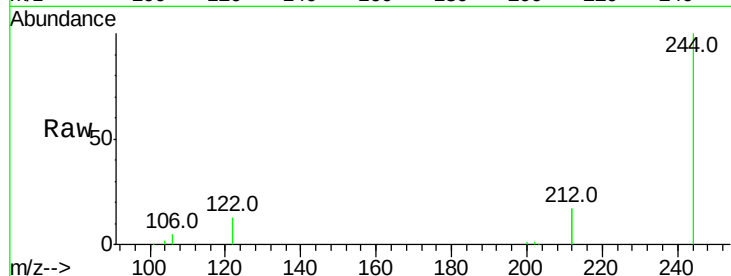
Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampled :



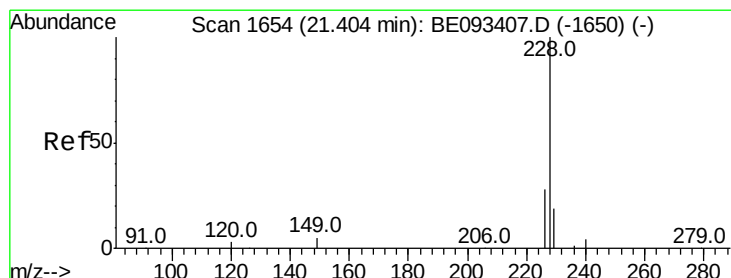
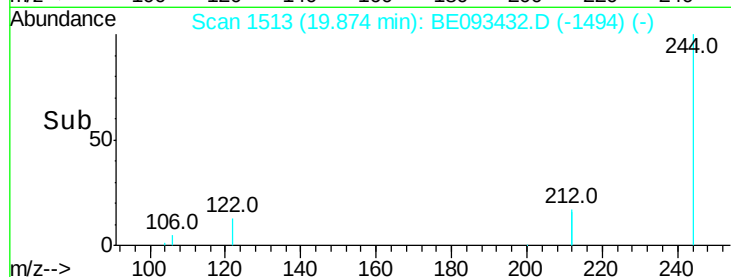
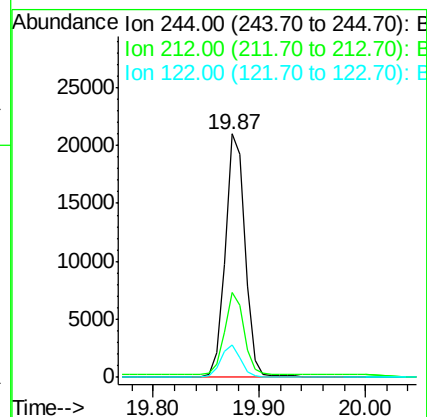
Tot Ion:244 Resp: 27559

Ion Ratio Lower Upper

244 100

212 34.8 10.6 16.0#

122 13.4 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.39 ng

RT: 21.40 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

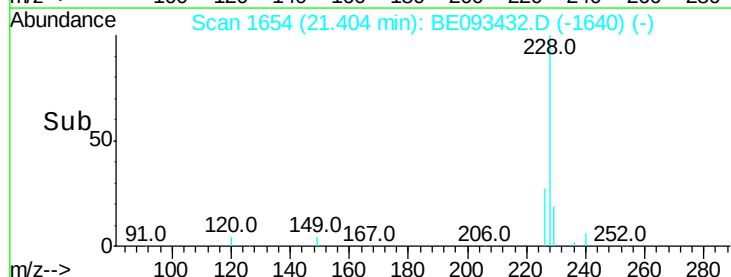
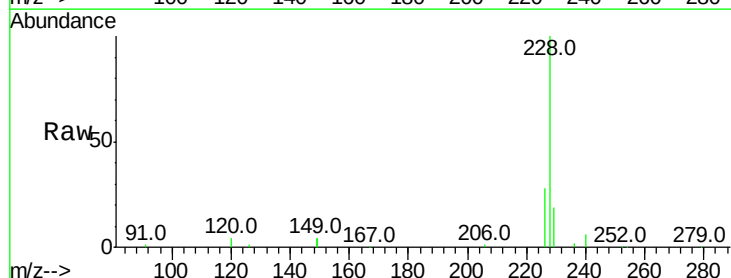
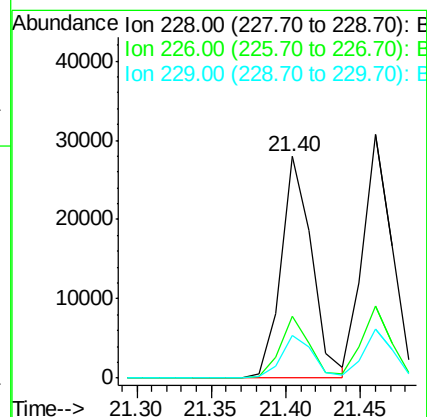
Tgt Ion:228 Resp: 39683

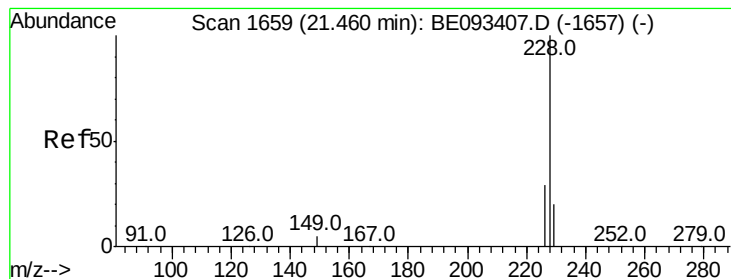
Ion Ratio Lower Upper

228 100

226 27.6 19.7 29.5

229 19.5 19.2 28.8





#31

Chrysene

Concen: 0.39 ng

RT: 21.46 min Scan# 1659

Delta R.T. 0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

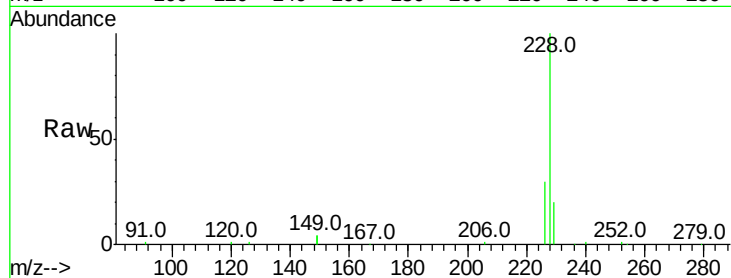
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 41761

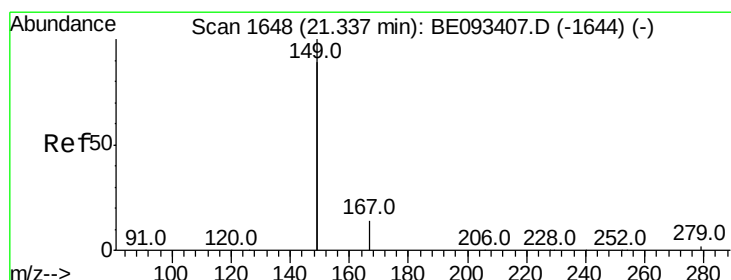
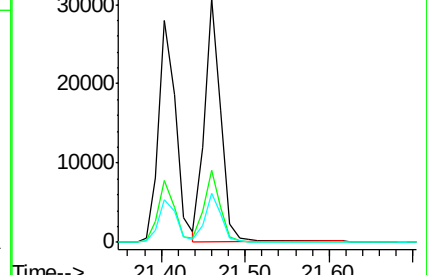
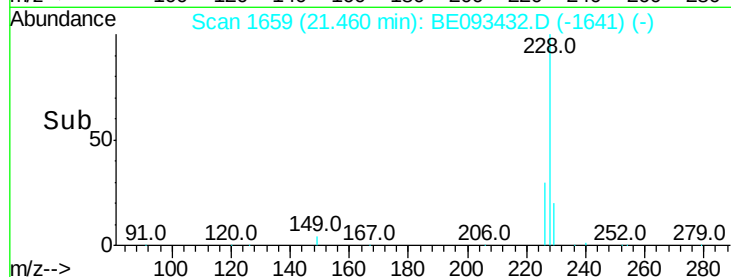
Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.5	32.3
229	19.9	18.6	28.0



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: 0.39 ng

RT: 21.33 min Scan# 1647

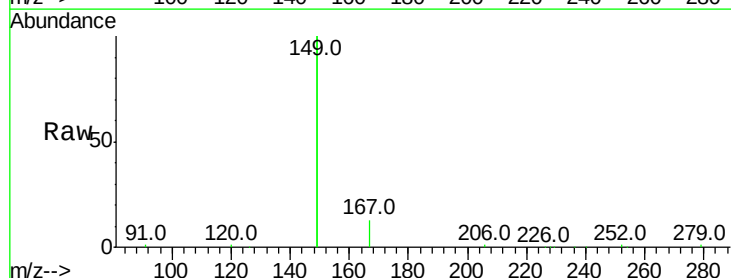
Delta R.T. -0.01 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Tgt Ion:149 Resp: 57136

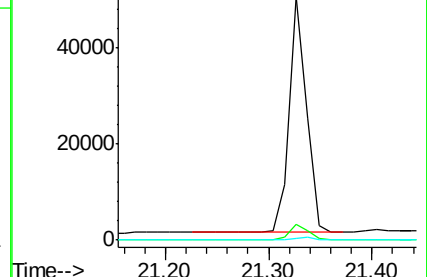
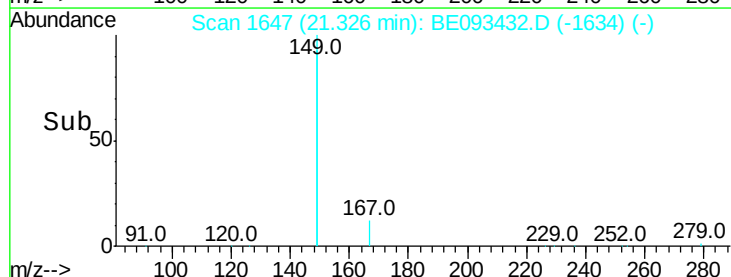
Ion	Ratio	Lower	Upper
149	100		
167	6.6	20.1	30.1#
279	0.9	2.2	3.4#

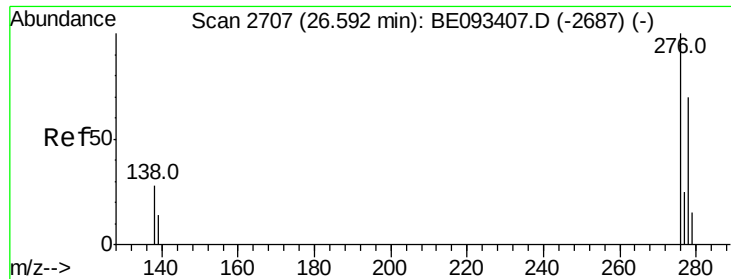


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

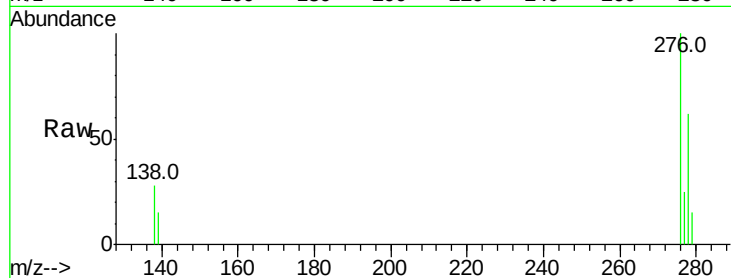




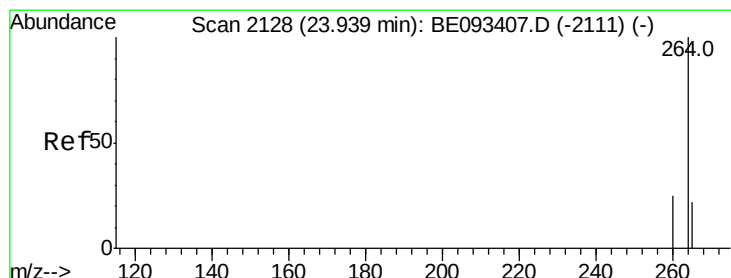
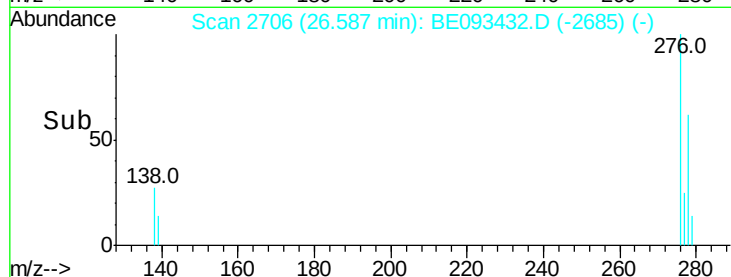
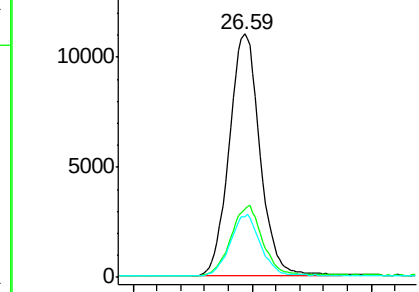
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.42 ng
 RT: 26.59 min Scan# 2706
 Delta R.T. -0.01 min
 Lab File: BE093432.D
 Acq: 6 Jul 2017 16:24

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 39622
 Ion Ratio Lower Upper
 276 100
 138 29.1 27.4 41.2
 277 24.8 20.1 30.1

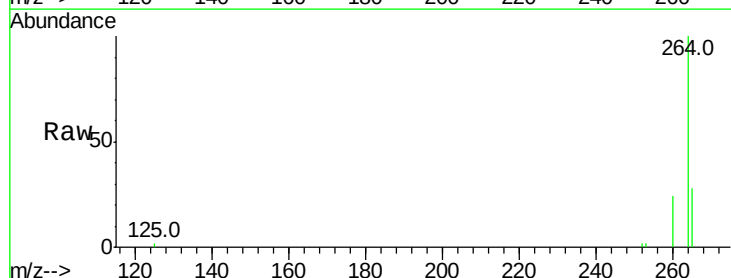


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

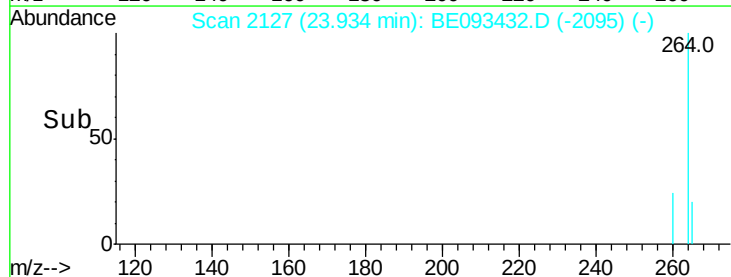
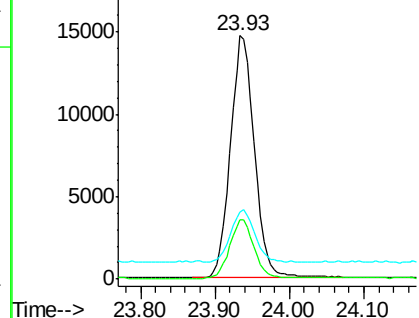


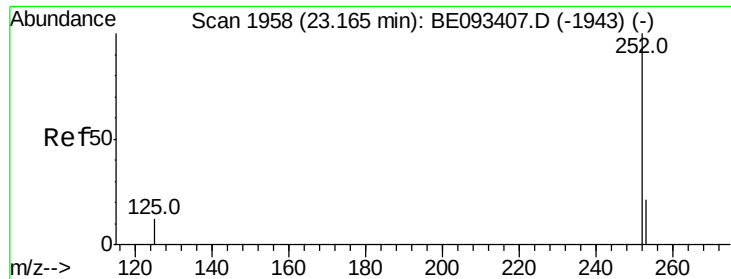
#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.93 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE093432.D
 Acq: 6 Jul 2017 16:24

Tgt Ion:264 Resp: 32861
 Ion Ratio Lower Upper
 264 100
 260 24.2 21.0 31.4
 265 27.6 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: 0.37 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

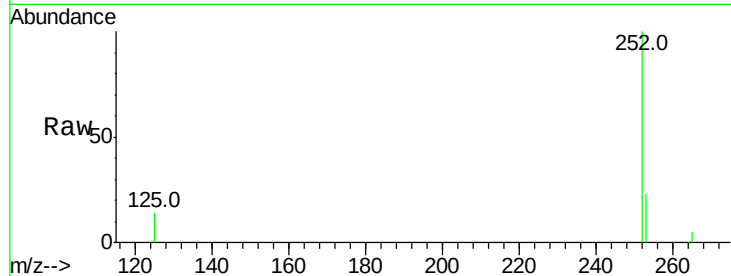
Tot Ion:252 Resp: 39385

Ion Ratio Lower Upper

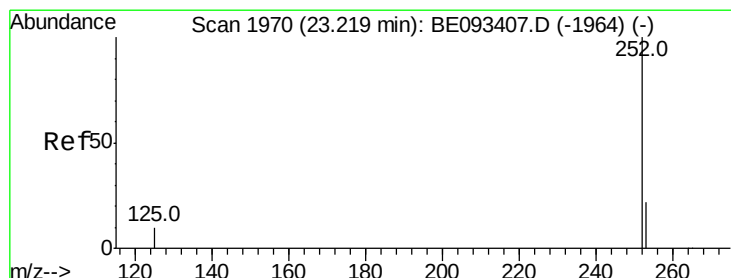
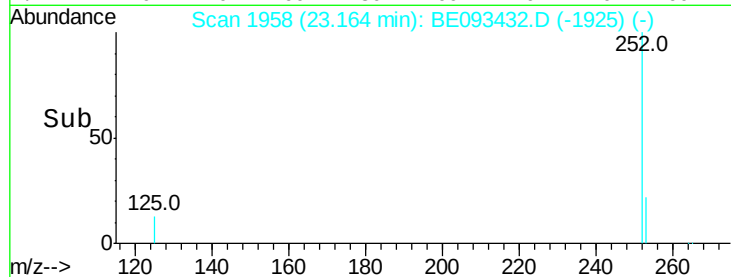
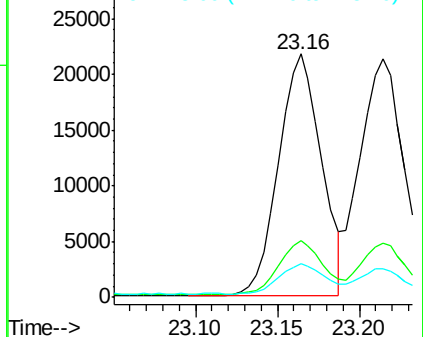
252 100

253 23.1 18.5 27.7

125 13.9 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: 0.38 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.06 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

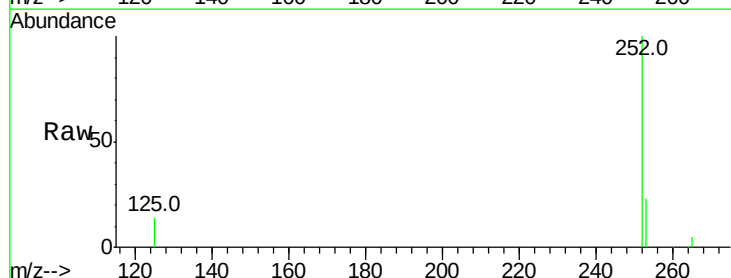
Tgt Ion:252 Resp: 39385

Ion Ratio Lower Upper

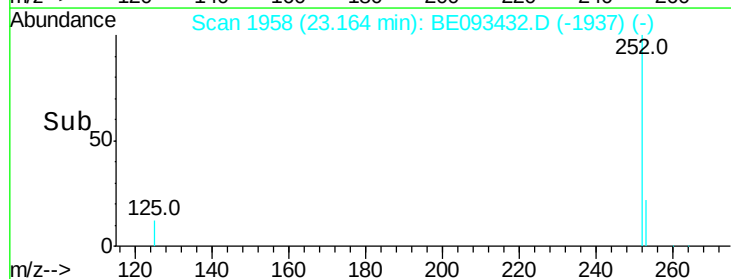
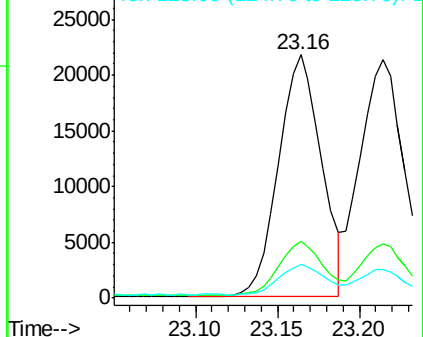
252 100

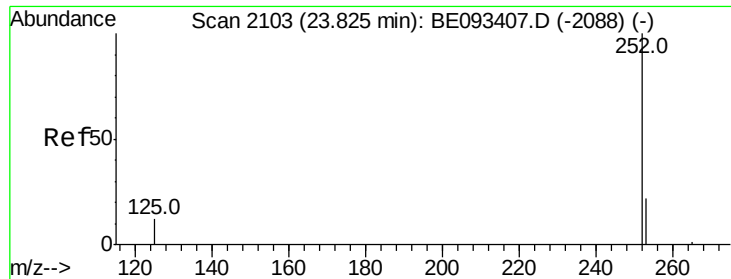
253 23.1 20.3 30.5

125 13.9 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: 0.39 ng

RT: 23.82 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :

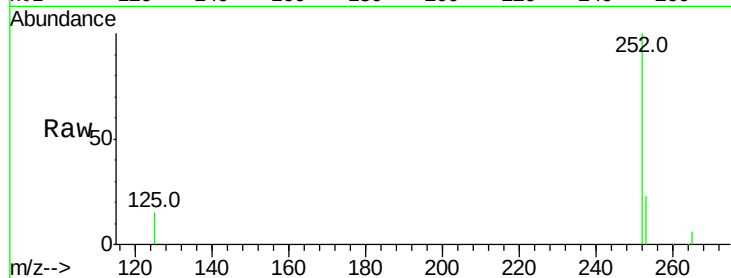
Tot Ion:252 Resp: 36016

Ion Ratio Lower Upper

252 100

253 22.7 19.9 29.9

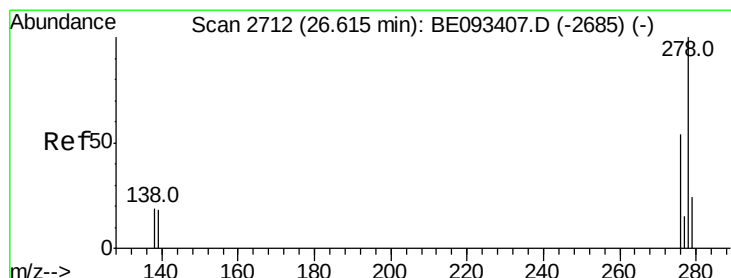
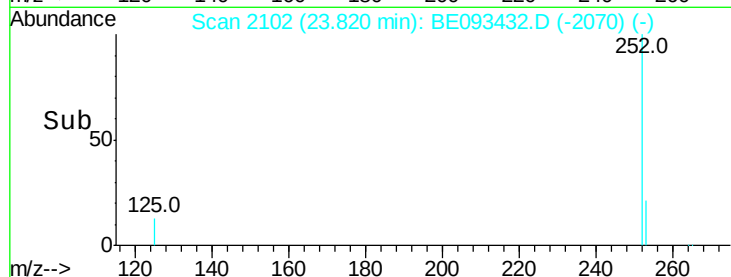
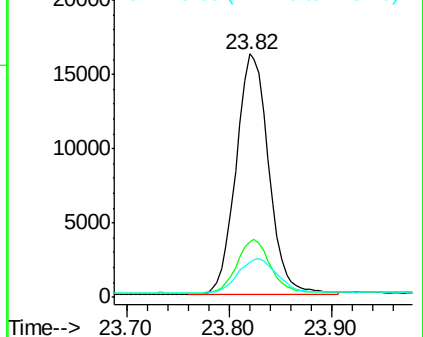
125 14.6 14.6 21.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.39 ng

RT: 26.61 min Scan# 2710

Delta R.T. -0.01 min

Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

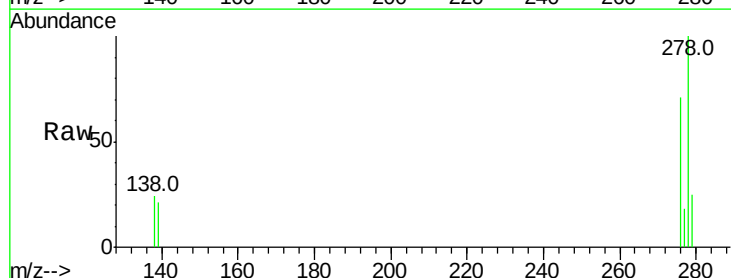
Tgt Ion:278 Resp: 35261

Ion Ratio Lower Upper

278 100

139 21.1 21.4 32.0#

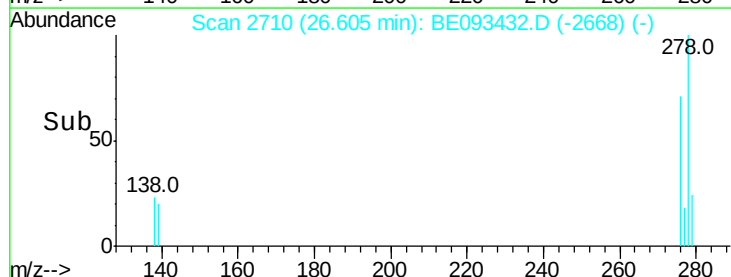
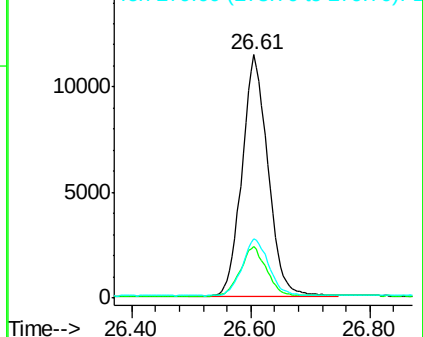
279 24.6 22.2 33.2

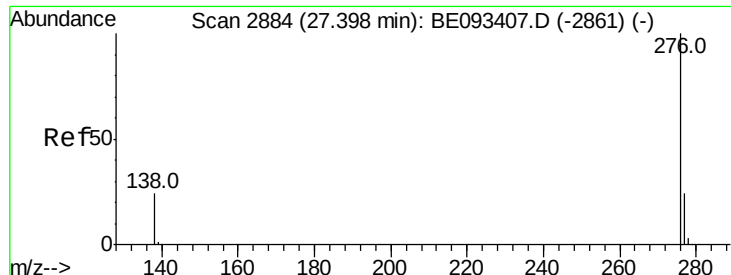


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.38 ng

RT: 27.40 min Scan# 2885

Delta R.T. 0.00 min

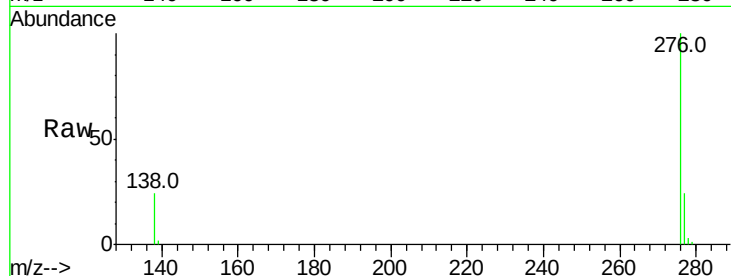
Lab File: BE093432.D

Acq: 6 Jul 2017 16:24

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	34779
Ion Ratio	Lower	Upper	
276	100		
277	23.5	21.2	31.8
138	24.1	24.5	36.7

