

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE071317\
 Data File : BE093455.D
 Acq On : 13 Jul 2017 12:48
 Operator : SJ/JU
 Sample : I4142-03MSD
 Misc : L00 0.2 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 15:20:50 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	7.93	152	4646	0.40	ng	-0.01
7) Naphthalene-d8	10.72	136	21589	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	13771	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	28234	0.40	ng	0.00
27) Chrysene-d12	21.43	240	42990	0.40	ng	0.00
34) Perylene-d12	23.93	264	35628	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2226	0.16	ng	0.00
5) Phenol-d6	7.10	99	1877	0.09	ng	0.00
8) Nitrobenzene-d5	9.08	82	5884	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	12203	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1240	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	24755	0.46	ng	0.00
25) Fluoranthene-d10	19.28	212	177851	0.52	ng	0.00
29) Terphenyl-d14	19.87	244	36497	0.48	ng	0.00

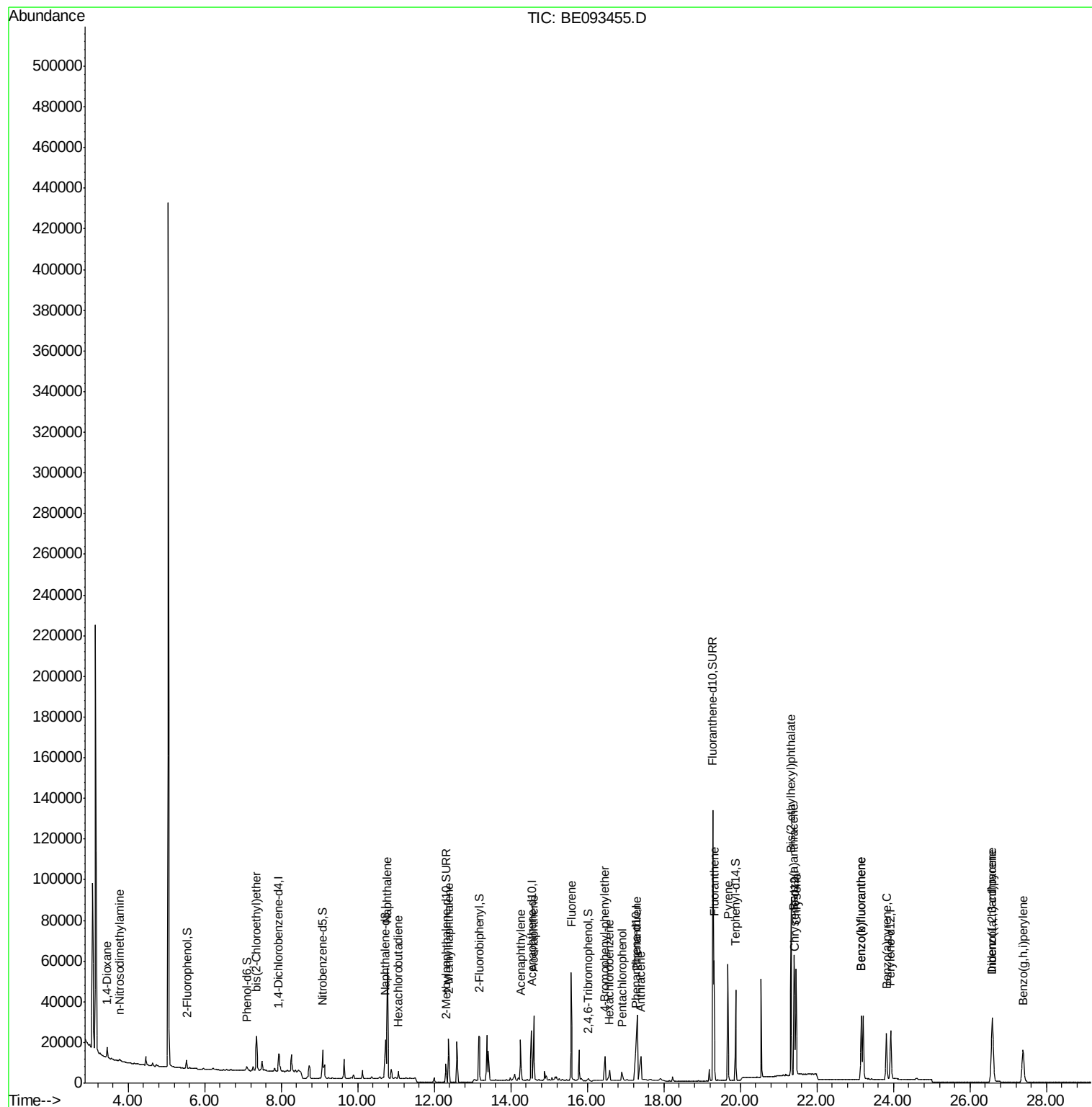
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.45	88	3499	0.356	ng	# 45
3) n-Nitrosodimethylamine	3.77	42	771	0.232	ng	# 84
6) bis(2-Chloroethyl)ether	7.35	93	5772	0.371	ng	# 96
9) Naphthalene	10.77	128	87215	0.386	ng	# 73
10) Hexachlorobutadiene	11.06	225	2795	0.326	ng	99
12) 2-Methylnaphthalene	12.38	142	15143	0.399	ng	96
16) Acenaphthylene	14.26	152	22120	0.386	ng	# 87
17) Acenaphthene	14.60	154	15867	0.378	ng	99
18) Fluorene	15.58	166	22181	0.385	ng	# 88
20) 4-Bromophenyl-phenylether	16.45	248	9548	0.617	ng	# 4
21) Hexachlorobenzene	16.58	284	8421	0.504	ng	# 100
22) Pentachlorophenol	16.91	266	4001	1.551	ng	# 79
23) Phenanthrene	17.30	178	48667	0.474	ng	97
24) Anthracene	17.40	178	17245	0.274	ng	# 74
26) Fluoranthene	19.31	202	51833	0.537	ng	99
28) Pyrene	19.67	202	51775	0.428	ng	# 98
30) Benzo(a)anthracene	21.40	228	46945	0.405	ng	94
31) Chrysene	21.46	228	48153	0.397	ng	95
32) Bis(2-ethylhexyl)phthalate	21.33	149	94938	0.568	ng	# 66
33) Indeno(1,2,3-cd)pyrene	26.57	276	44211	0.415	ng	94
35) Benzo(b)fluoranthene	23.16	252	44865	0.390	ng	# 96
36) Benzo(k)fluoranthene	23.16	252	44865	0.394	ng	95
37) Benzo(a)pyrene	23.82	252	37618	0.373	ng	# 94
38) Dibenzo(a,h)anthracene	26.60	278	37908	0.387	ng	# 90
39) Benzo(g,h,i)perylene	27.39	276	38223	0.387	ng	# 92

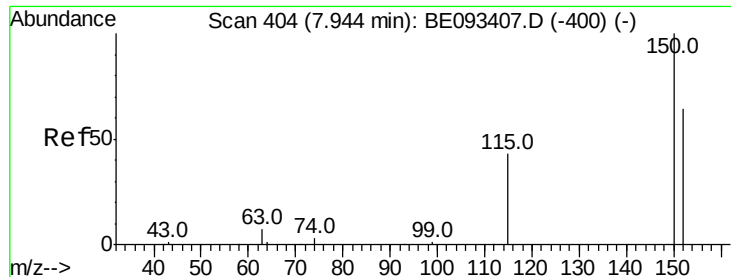
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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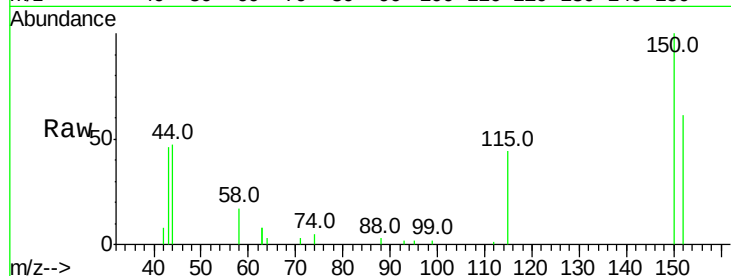


#1

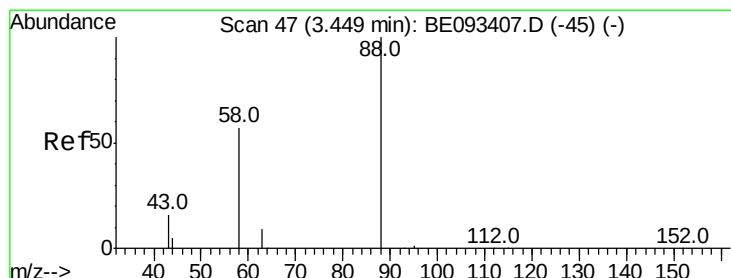
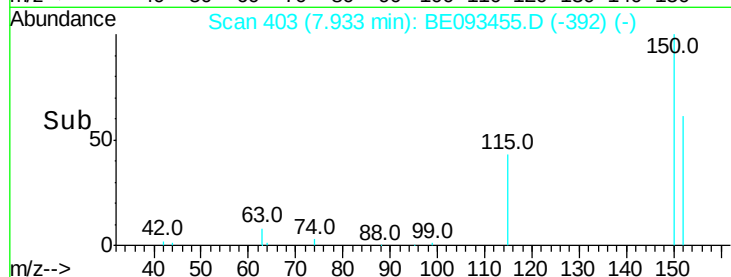
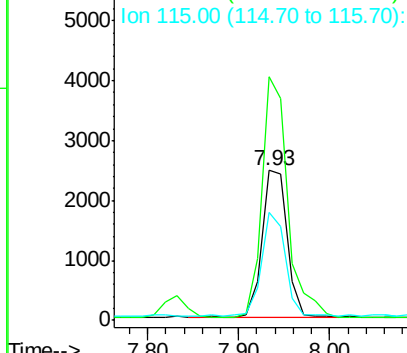
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.93 min Scan# 403
Delta R.T. -0.01 min
Lab File: BE093455.D
Acq: 13 Jul 2017 12:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4646
Ion Ratio Lower Upper
152 100
150 162.7 125.1 187.7
115 72.4 55.7 83.5



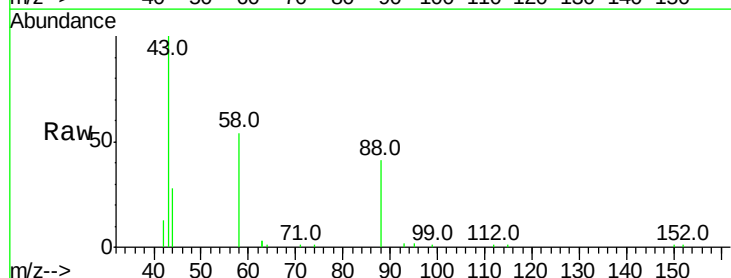
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



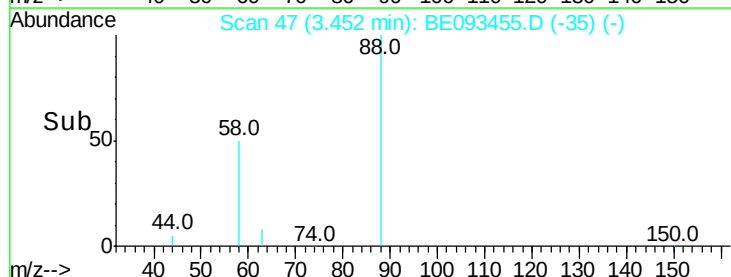
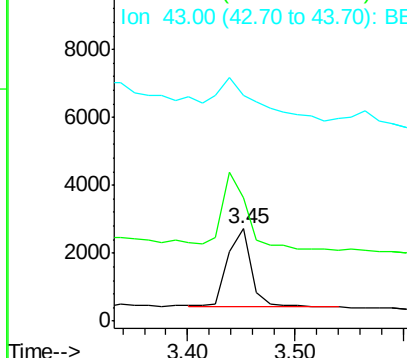
#2

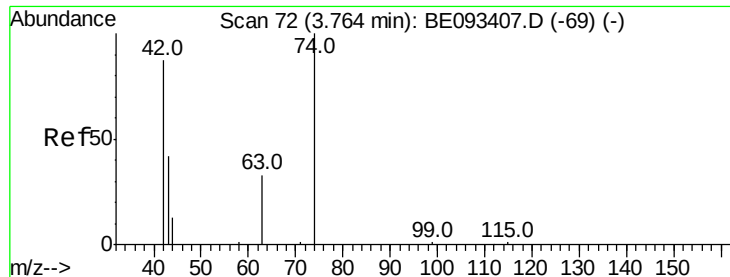
1,4-Dioxane
Concen: 0.356 ng
RT: 3.45 min Scan# 47
Delta R.T. 0.00 min
Lab File: BE093455.D
Acq: 13 Jul 2017 12:48

Tgt Ion: 88 Resp: 3499
Ion Ratio Lower Upper
88 100
58 105.1 62.2 93.4#
43 91.2 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



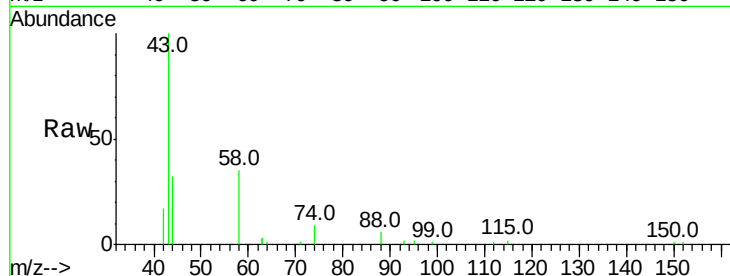


#3

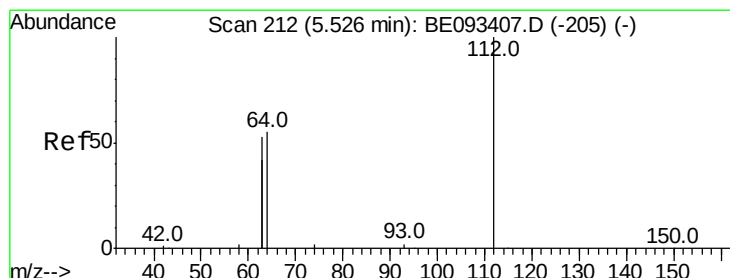
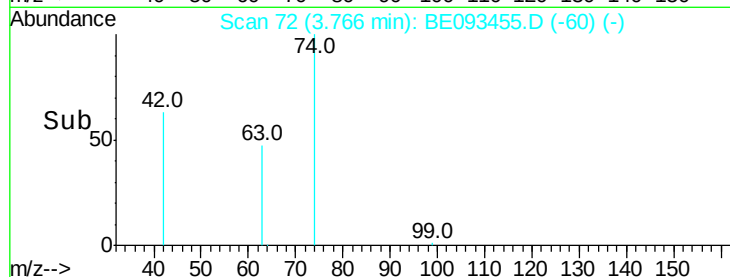
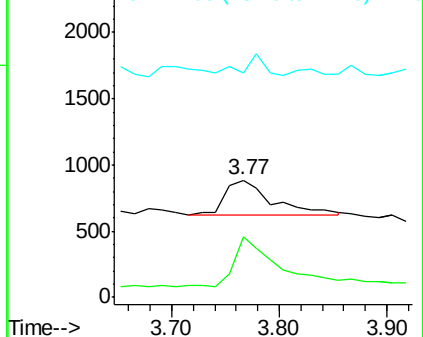
n-Nitrosodimethylamine
 Concen: 0.232 ng
 RT: 3.77 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BE093455.D
 Acq: 13 Jul 2017 12:48

Instrument :
 BNA_E
 ClientSampled :

Tot Ion: 42 Resp: 771
 Ion Ratio Lower Upper
 42 100
 74 139.6 99.1 148.7
 44 26.7 7.4 11.2#



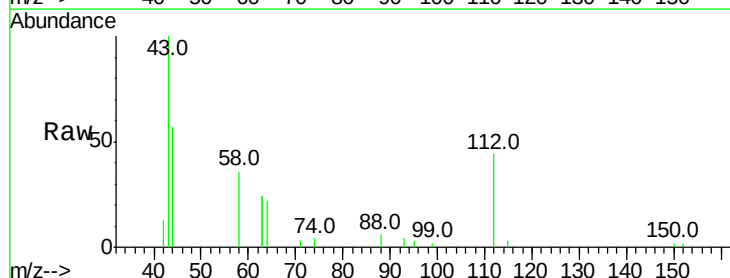
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



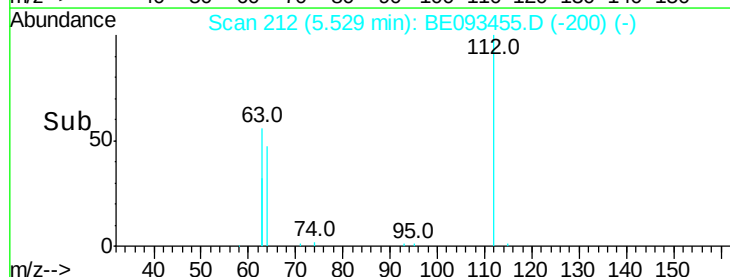
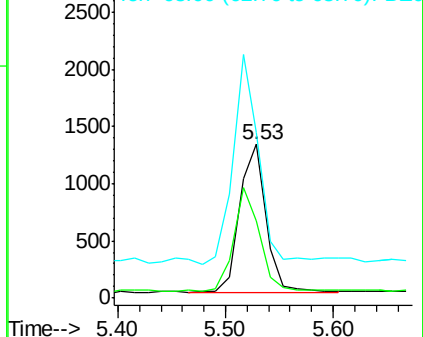
#4

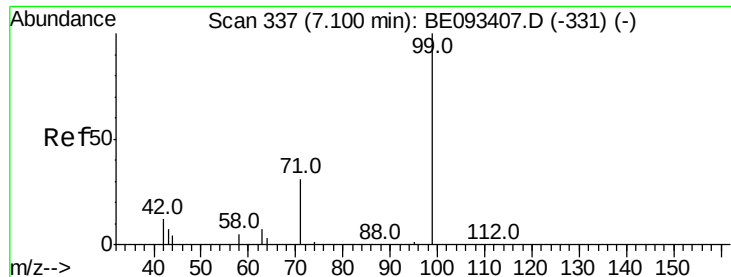
2-Fluorophenol
 Concen: 0.159 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: BE093455.D
 Acq: 13 Jul 2017 12:48

Tgt Ion: 112 Resp: 2226
 Ion Ratio Lower Upper
 112 100
 64 67.5 56.4 84.6
 63 136.5 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: 0.091 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampled :

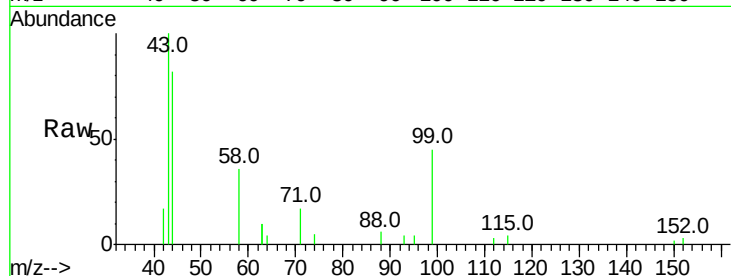
Tot Ion: 99 Resp: 1877

Ion Ratio Lower Upper

99 100

42 28.8 0.0 0.0#

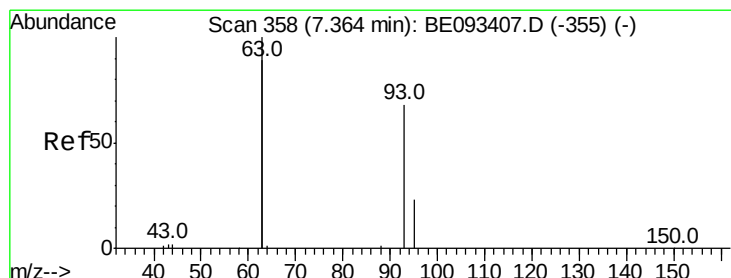
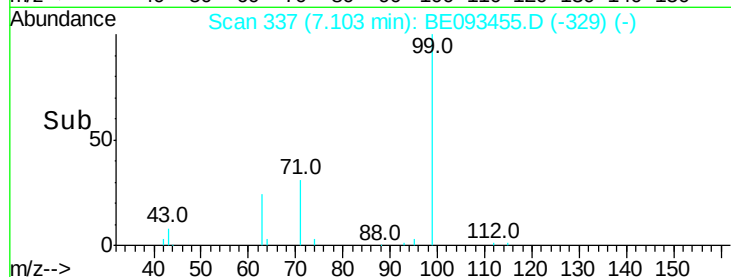
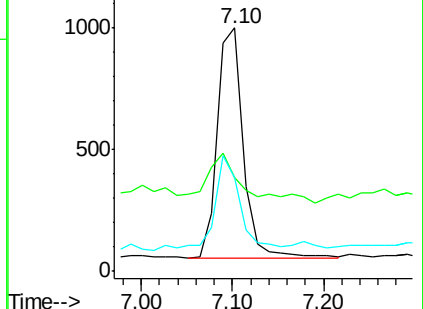
71 39.6 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.371 ng

RT: 7.35 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

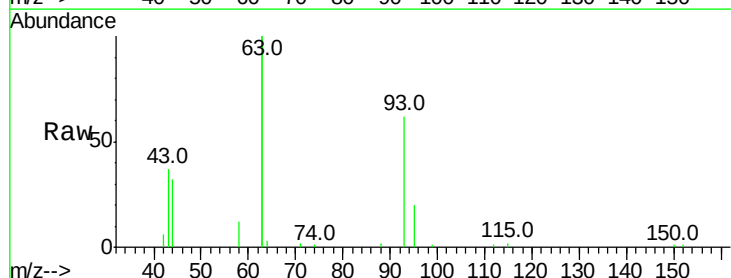
Tgt Ion: 93 Resp: 5772

Ion Ratio Lower Upper

93 100

63 346.4 0.0 0.0#

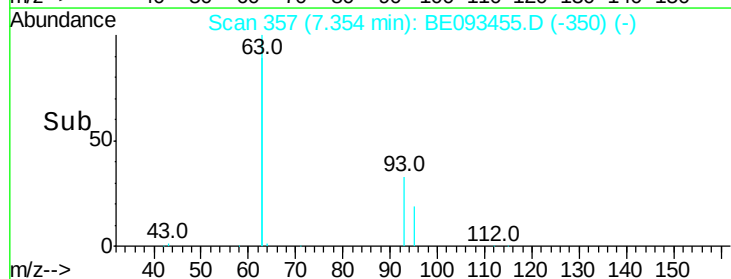
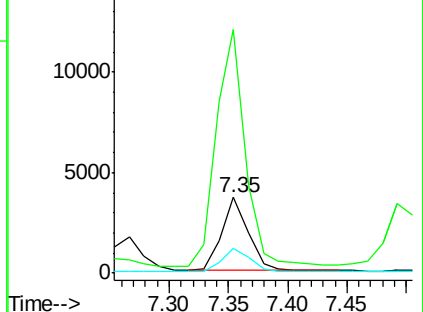
95 33.7 25.4 38.0

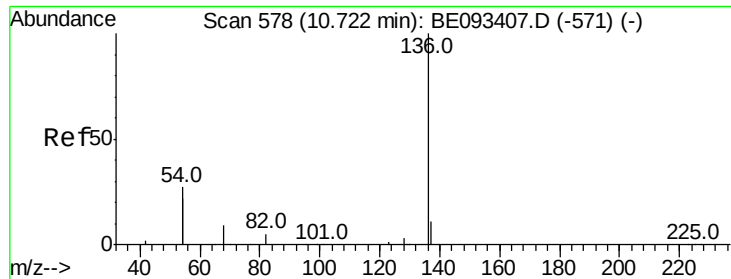


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 21589

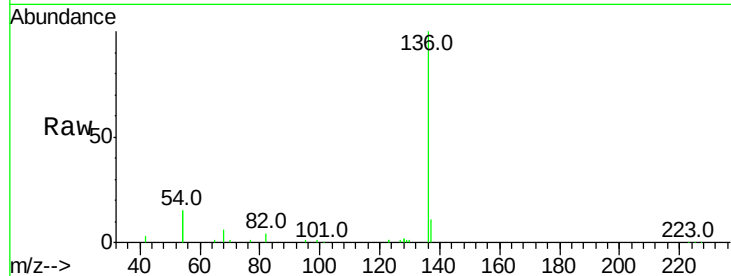
Ion Ratio Lower Upper

136 100

137 10.9 9.8 14.8

54 29.5 10.3 15.5#

68 6.0 9.0 13.4#

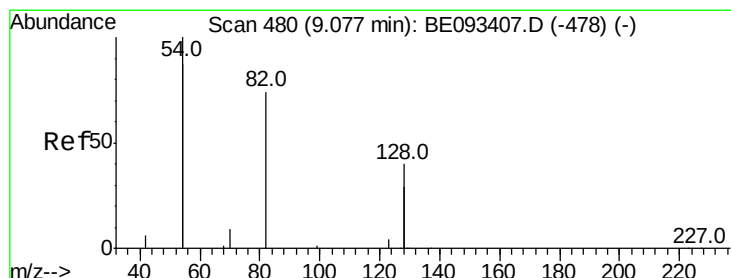
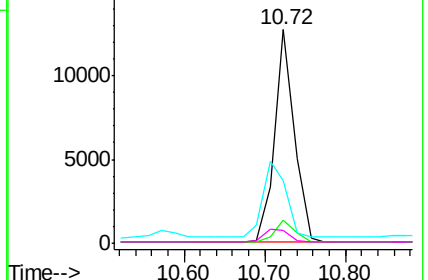
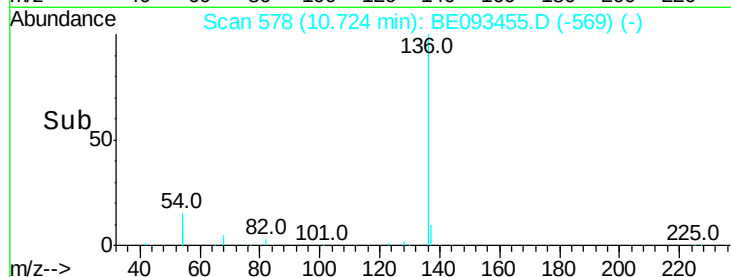


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.427 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

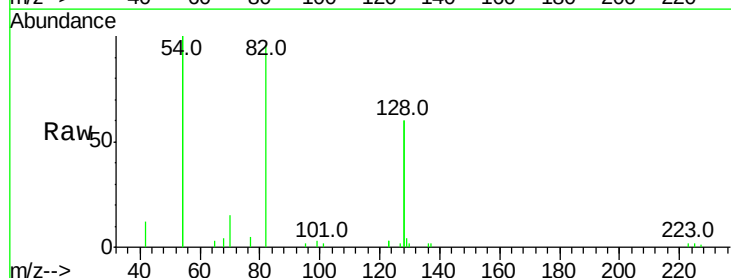
Tgt Ion: 82 Resp: 5884

Ion Ratio Lower Upper

82 100

128 125.2 17.0 25.4#

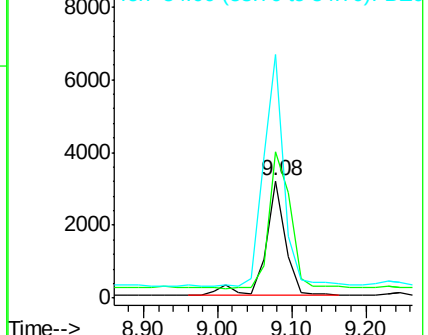
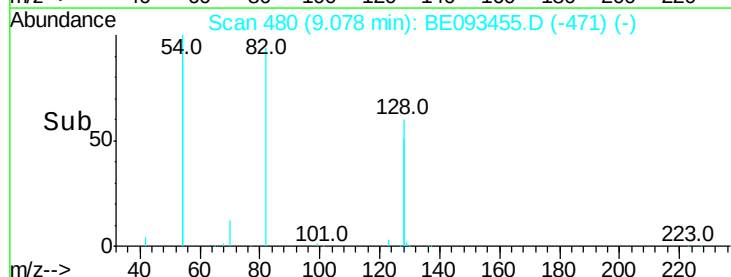
54 207.8 53.8 80.6#

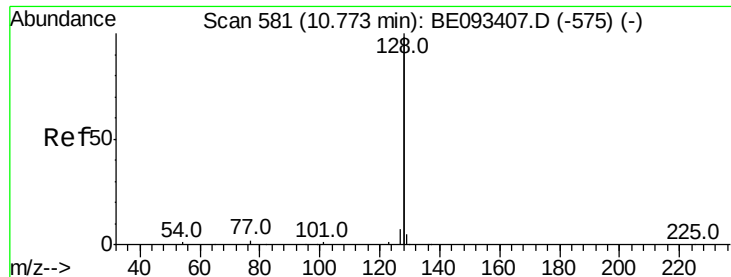


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.386 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

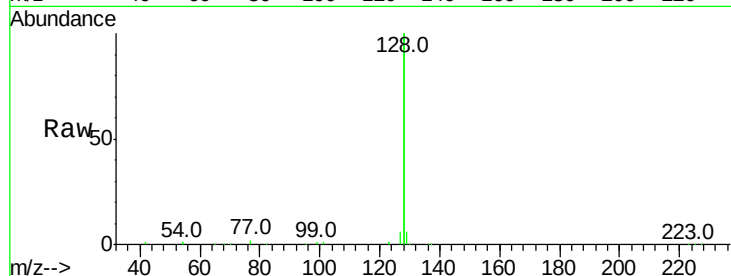
Tot Ion:128 Resp: 87215

Ion Ratio Lower Upper

128 100

129 2.9 11.4 17.0#

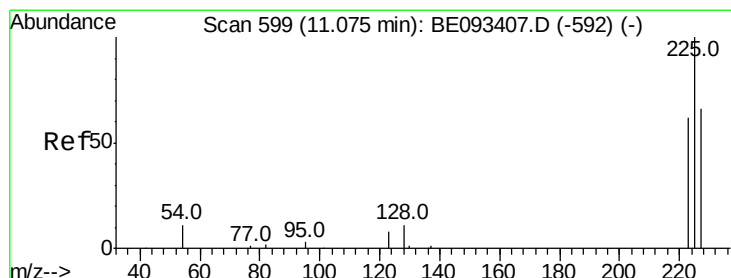
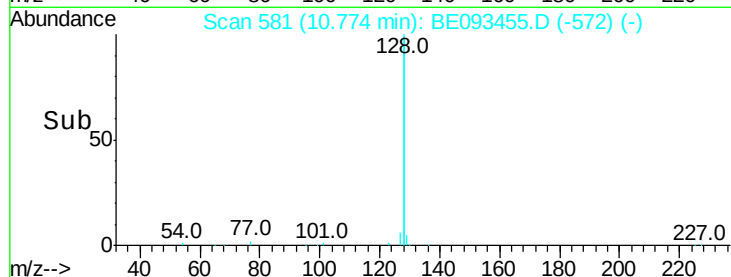
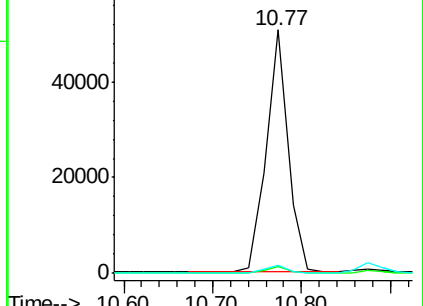
127 3.2 11.2 16.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.326 ng

RT: 11.06 min Scan# 598

Delta R.T. -0.02 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

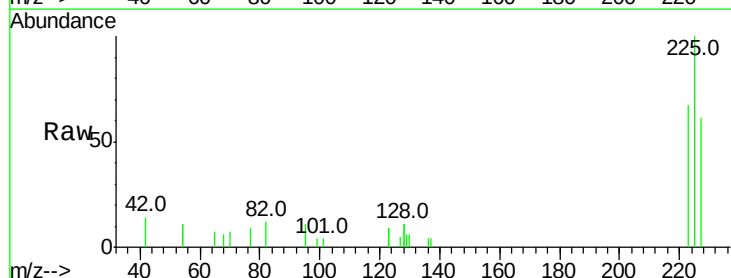
Tgt Ion:225 Resp: 2795

Ion Ratio Lower Upper

225 100

223 61.3 49.7 74.5

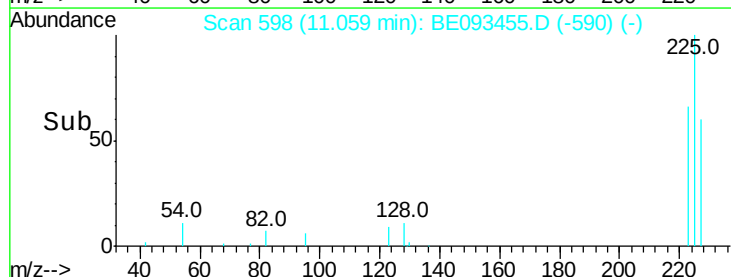
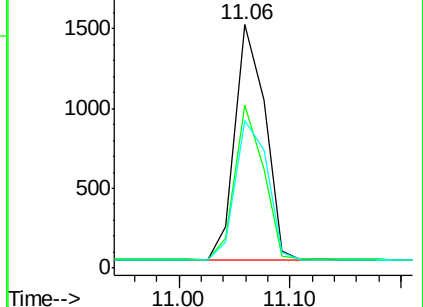
227 63.5 50.3 75.5

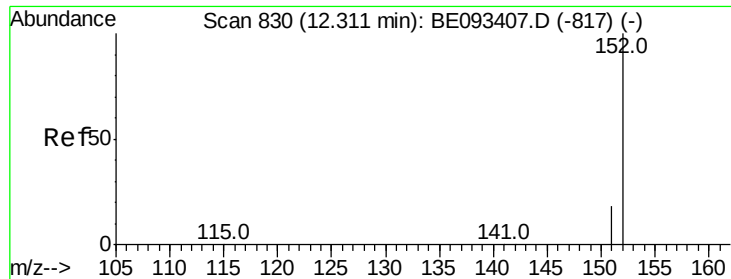


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

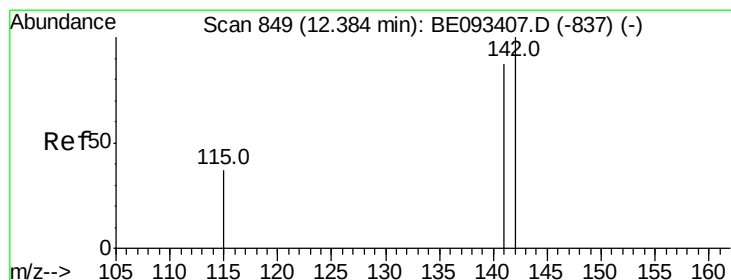
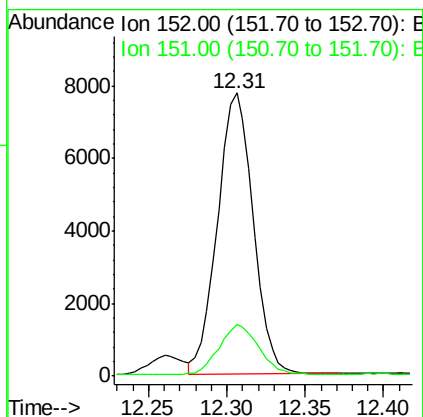
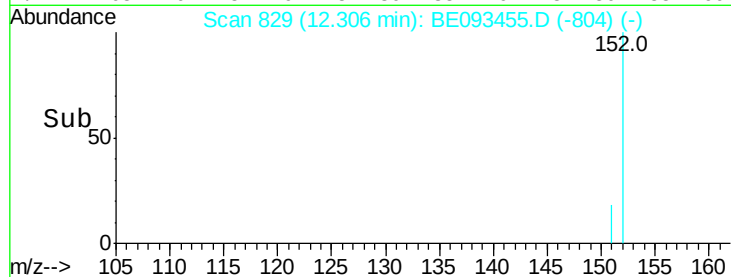
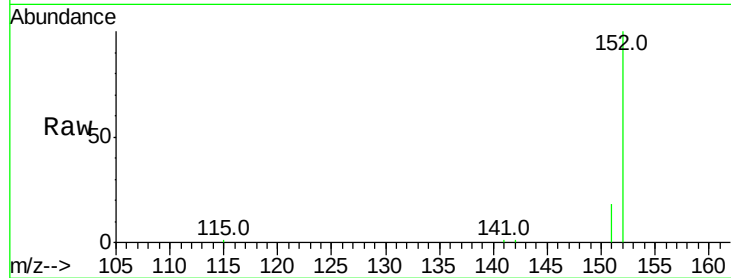




#11
 2-Methylnaphthalene-d10
 Concen: 0.354 ng
 RT: 12.31 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BE093455.D
 Acq: 13 Jul 2017 12:48

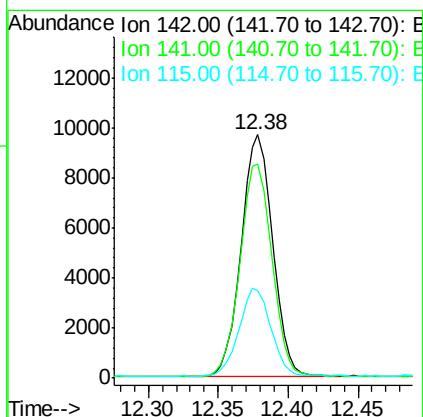
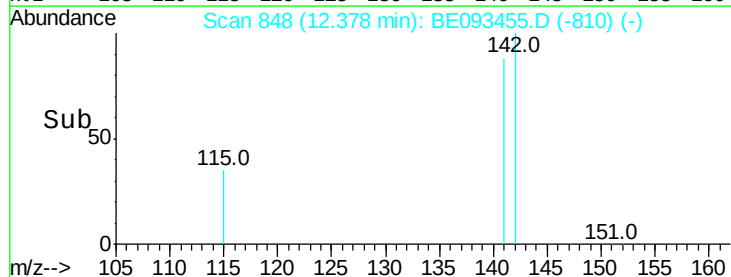
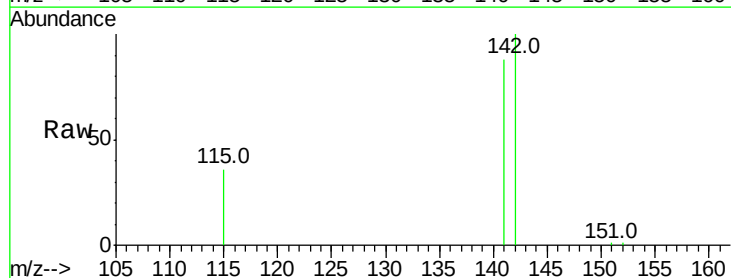
Instrument :
 BNA_E
 ClientSampleId :

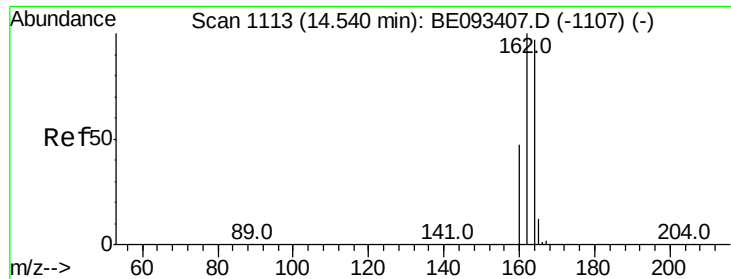
Tot Ion:152 Resp: 12203
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.399 ng
 RT: 12.38 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BE093455.D
 Acq: 13 Jul 2017 12:48

Tgt Ion:142 Resp: 15143
 Ion Ratio Lower Upper
 142 100
 141 87.8 72.6 108.8
 115 35.7 32.2 48.2

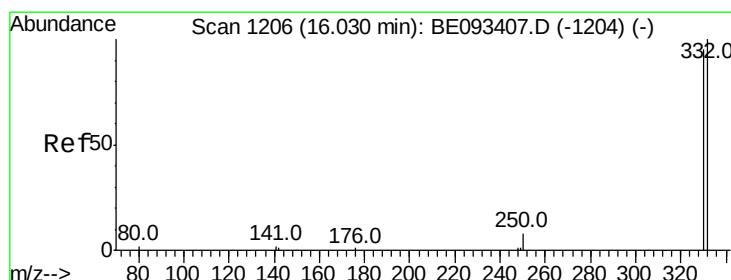
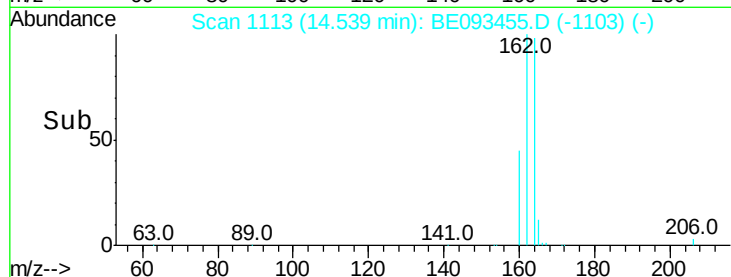
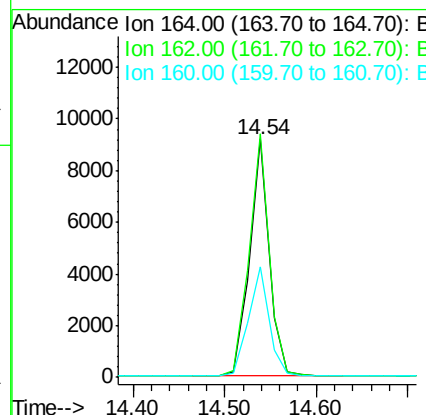
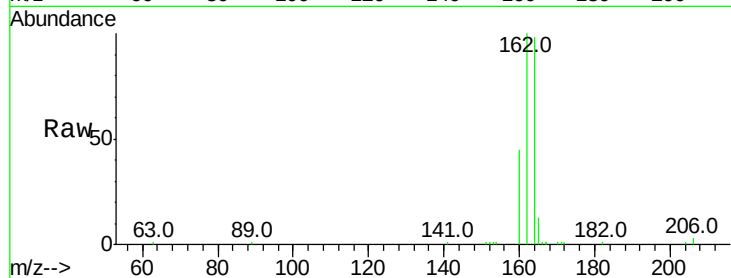




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BE093455.D
 Acq: 13 Jul 2017 12:48

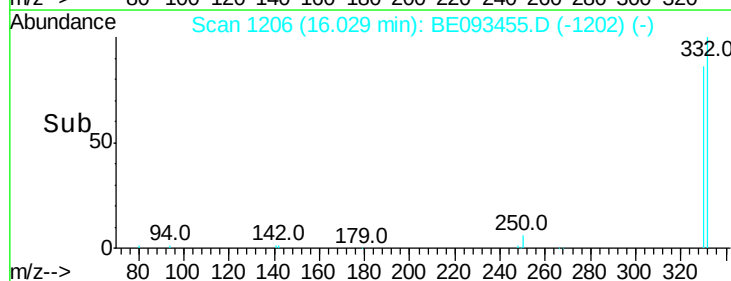
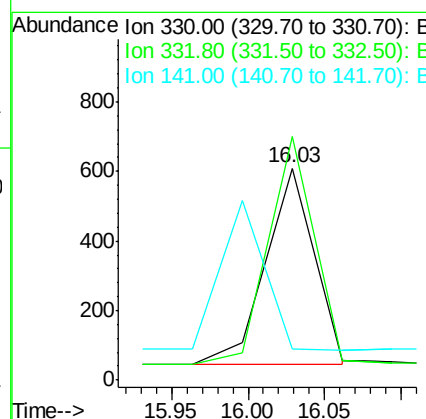
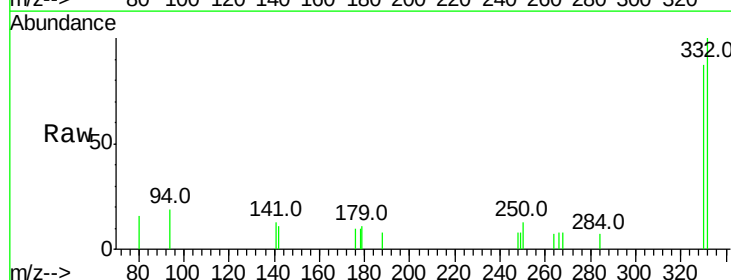
Instrument :
 BNA_E
 ClientSampleId :

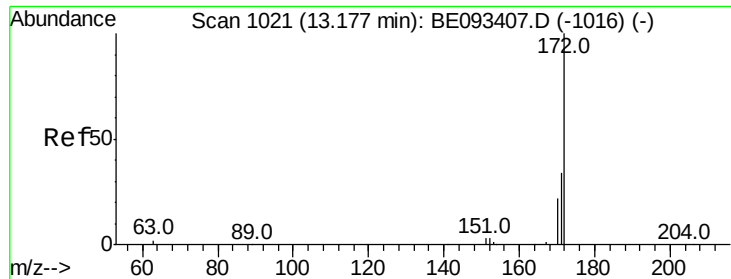
Tot Ion:164 Resp: 13771
 Ion Ratio Lower Upper
 164 100
 162 102.2 84.6 127.0
 160 46.2 41.8 62.6



#14
 2,4,6-Tribromophenol
 Concen: 0.286 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BE093455.D
 Acq: 13 Jul 2017 12:48

Tgt Ion:330 Resp: 1240
 Ion Ratio Lower Upper
 330 100
 332 109.4 77.7 116.5
 141 0.0 56.2 84.4#

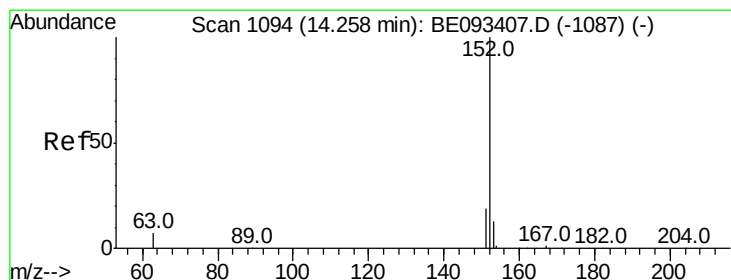
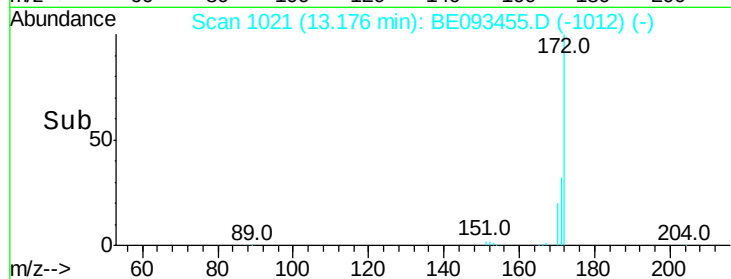
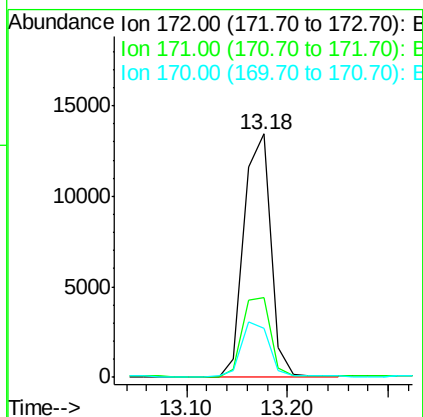
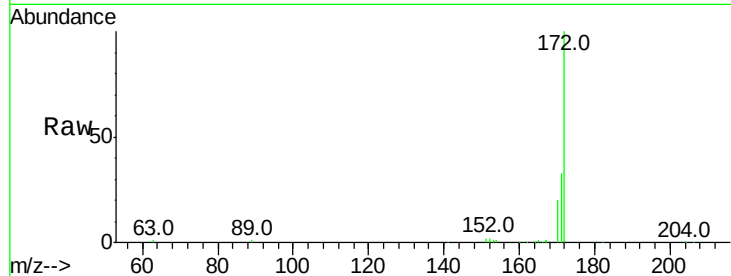




#15
2-Fluorobiphenyl
Concen: 0.463 ng
RT: 13.18 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE093455.D
Acq: 13 Jul 2017 12:48

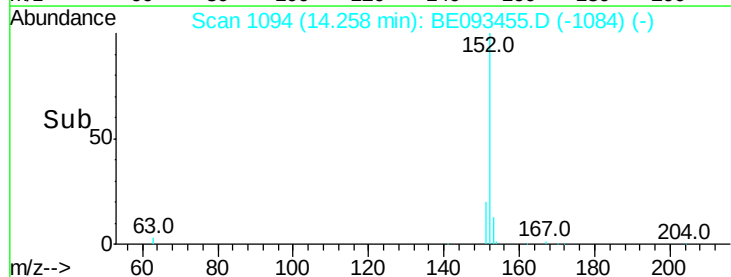
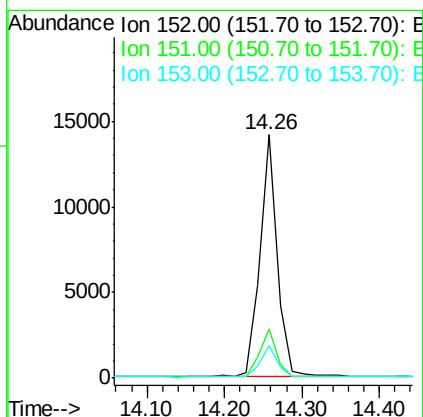
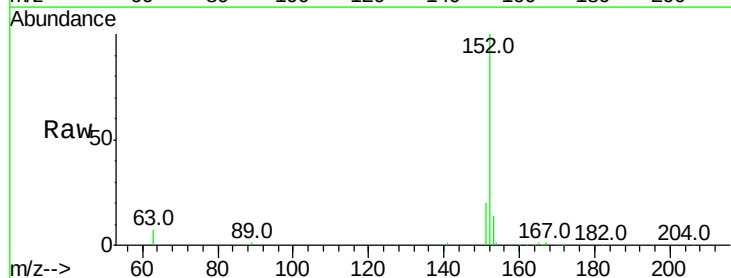
Instrument :
BNA_E
ClientSampleId :

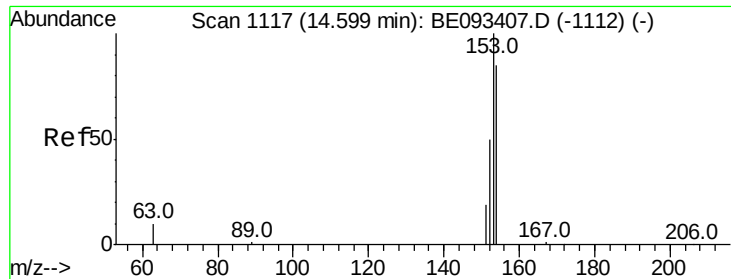
Tot Ion:172 Resp: 24755
Ion Ratio Lower Upper
172 100
171 32.7 29.8 44.6
170 20.3 20.7 31.1#



#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.26 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BE093455.D
Acq: 13 Jul 2017 12:48

Tgt Ion:152 Resp: 22120
Ion Ratio Lower Upper
152 100
151 19.3 4.0 6.0#
153 13.4 10.3 15.5

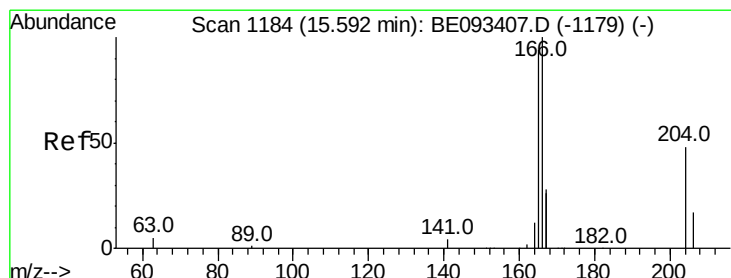
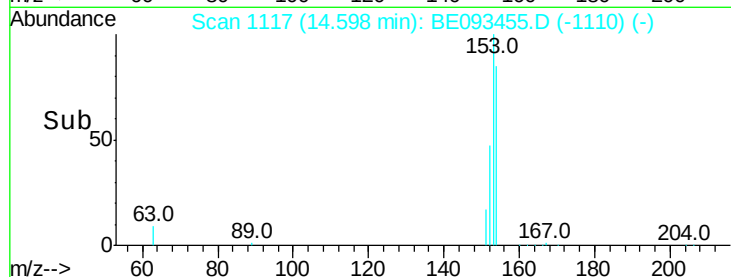
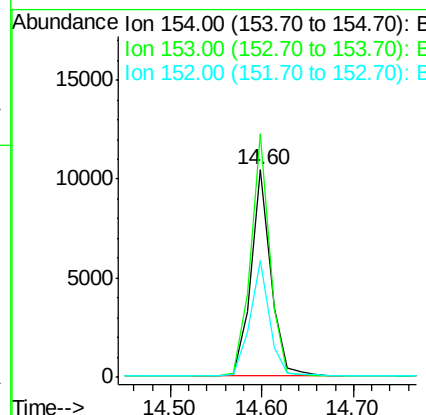
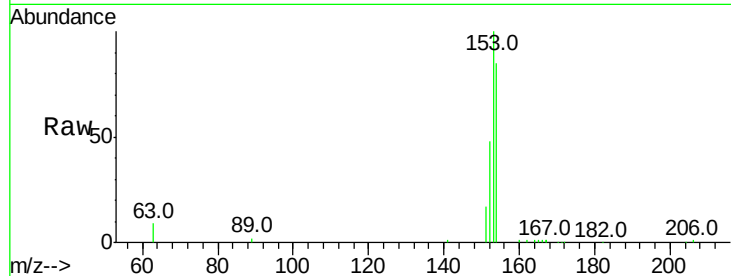




#17
Acenaphthene
Concen: 0.378 ng
RT: 14.60 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE093455.D
Acq: 13 Jul 2017 12:48

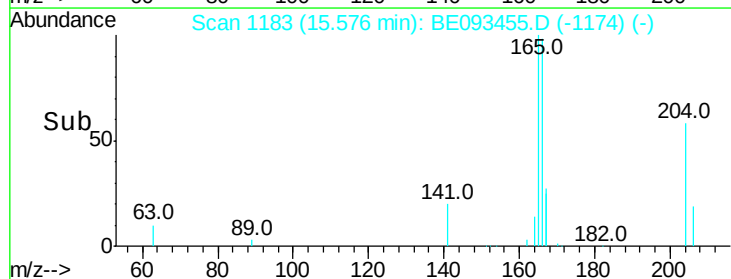
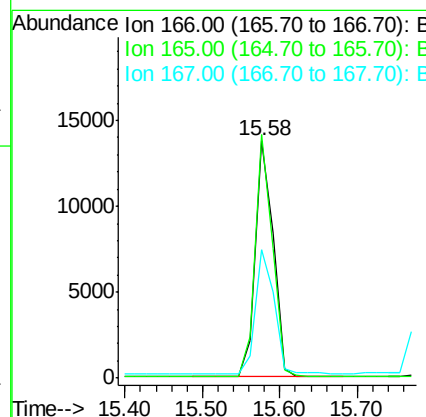
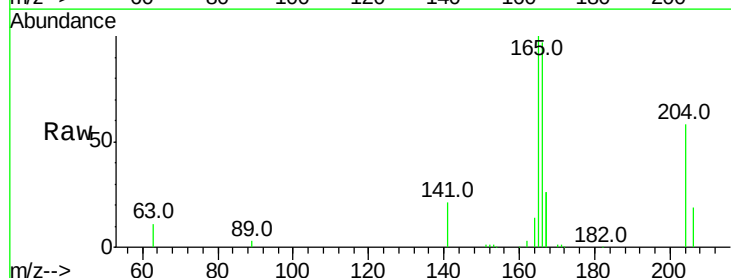
Instrument :
BNA_E
ClientSampleId :

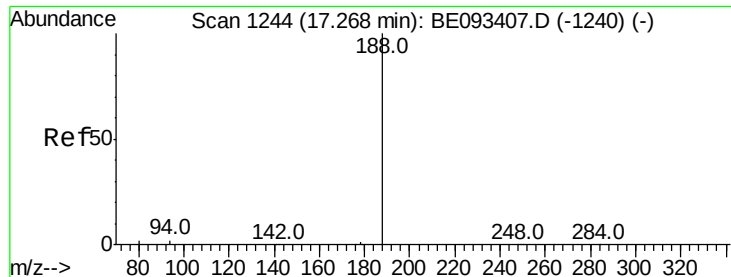
Tot Ion:154 Resp: 15867
Ion Ratio Lower Upper
154 100
153 112.6 91.2 136.8
152 54.7 44.8 67.2



#18
Fluorene
Concen: 0.385 ng
RT: 15.58 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BE093455.D
Acq: 13 Jul 2017 12:48

Tgt Ion:166 Resp: 22181
Ion Ratio Lower Upper
166 100
165 98.2 78.6 117.8
167 54.3 11.1 16.7#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

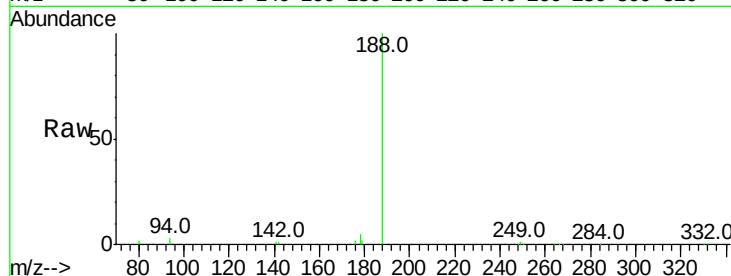
Tot Ion:188 Resp: 28234

Ion Ratio Lower Upper

188 100

94 2.7 11.3 16.9#

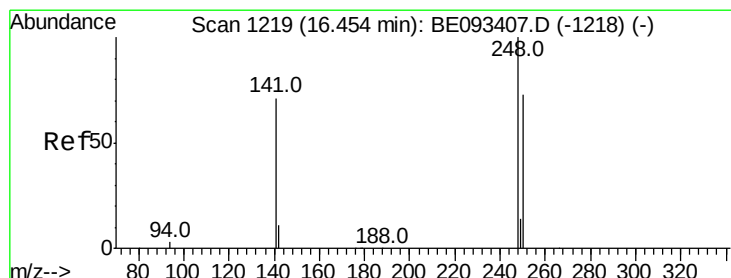
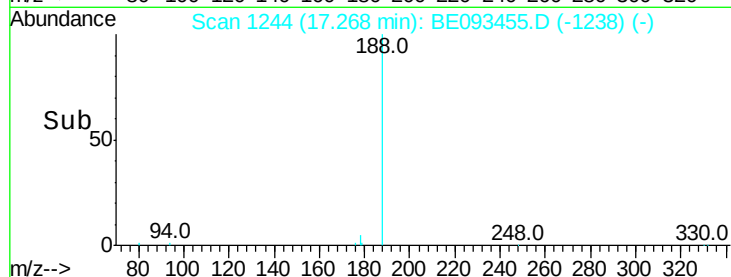
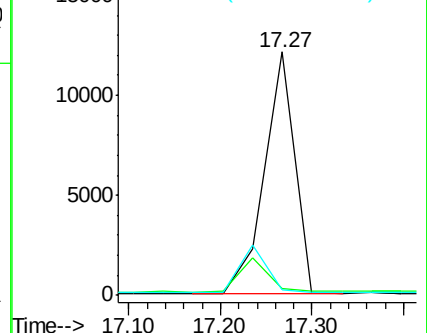
80 2.1 11.7 17.5#



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: 0.617 ng

RT: 16.45 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

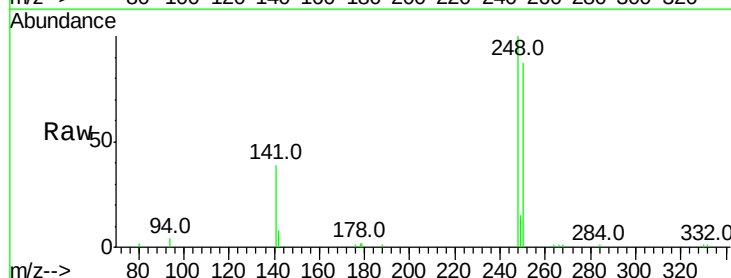
Tgt Ion:248 Resp: 9548

Ion Ratio Lower Upper

248 100

250 87.3 40.8 61.2#

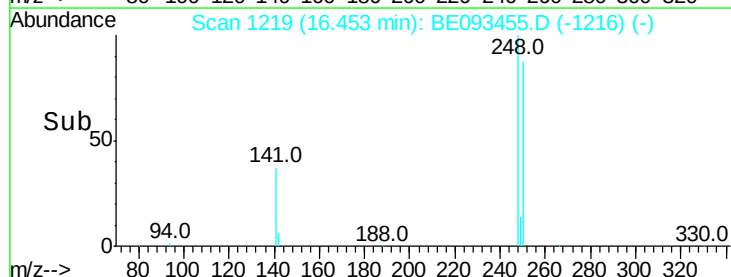
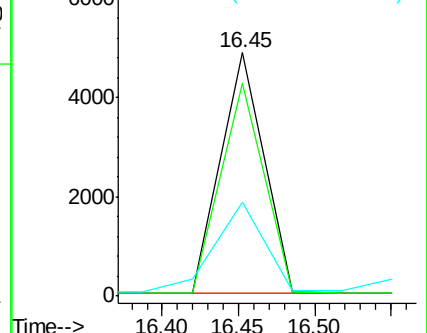
141 38.6 161.6 242.4#

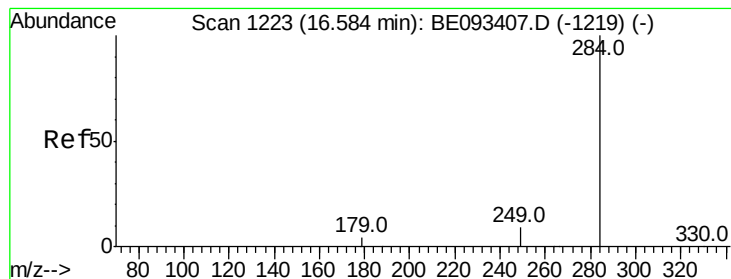


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.504 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

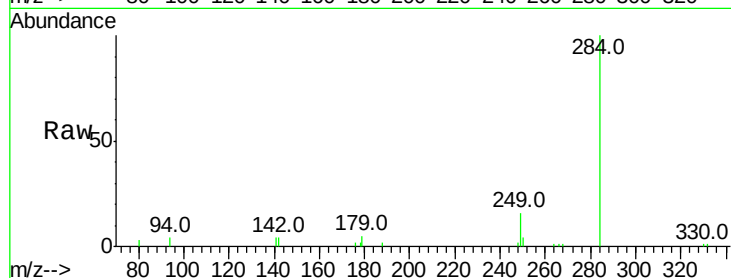
Tot Ion:284 Resp: 8421

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

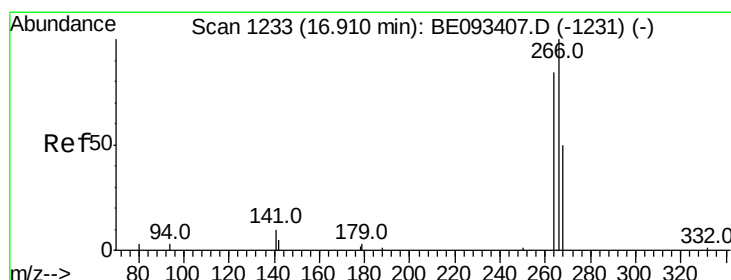
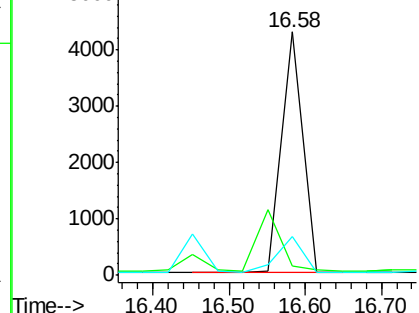
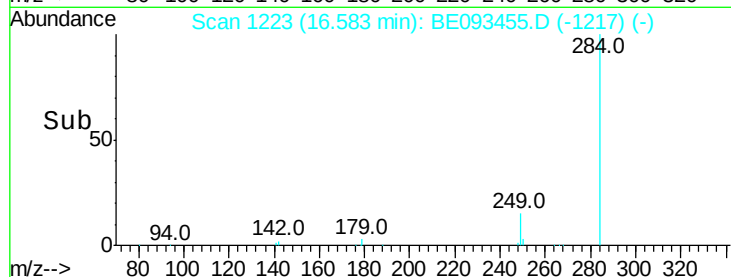
249 17.5 0.0 0.0#



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: 1.551 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

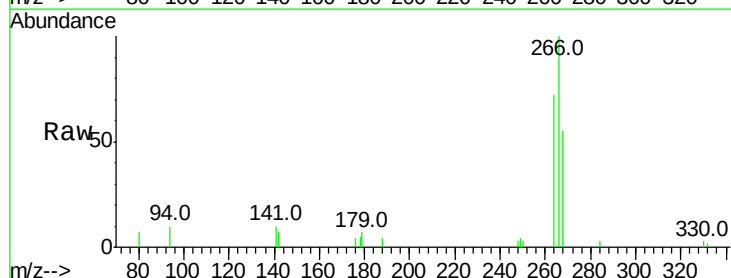
Tgt Ion:266 Resp: 4001

Ion Ratio Lower Upper

266 100

264 71.7 58.2 87.2

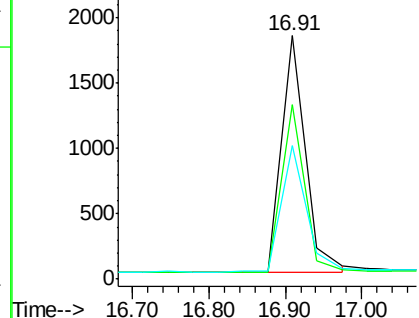
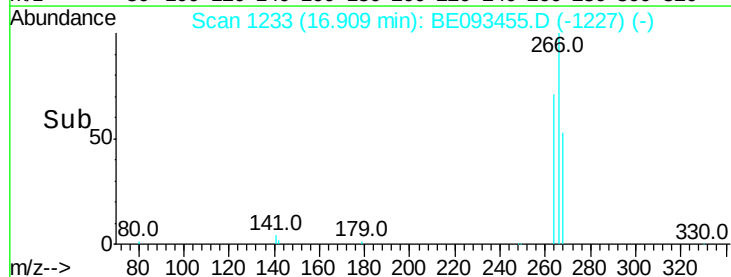
268 54.8 71.9 107.9#

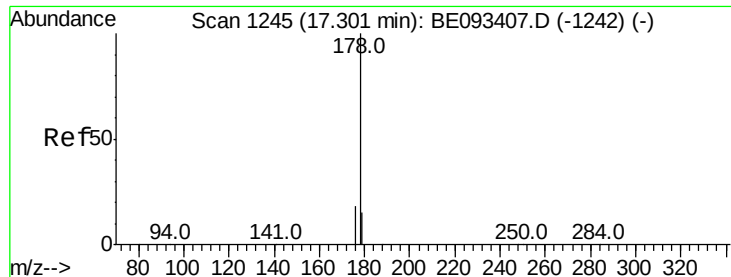


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.474 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

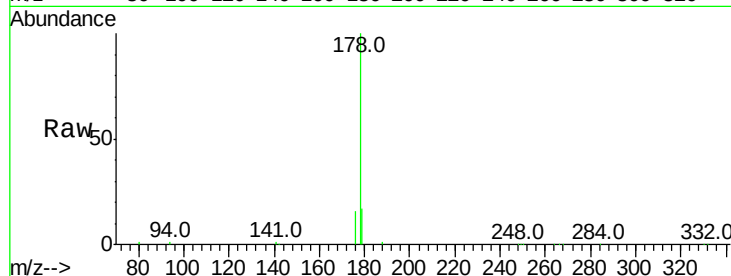
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 48667

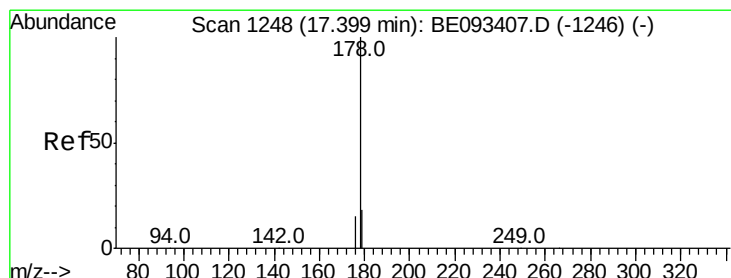
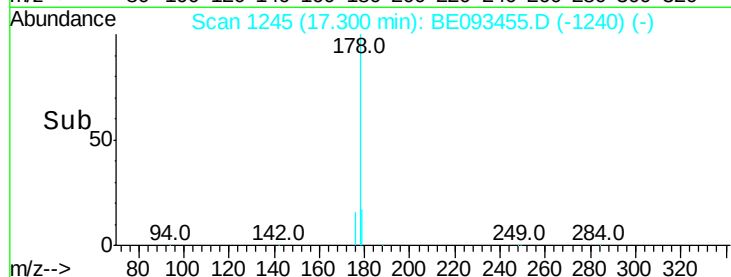
Ion	Ratio	Lower	Upper
178	100		
176	16.3	15.0	22.4
179	16.5	12.7	19.1



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: 0.274 ng

RT: 17.40 min Scan# 1248

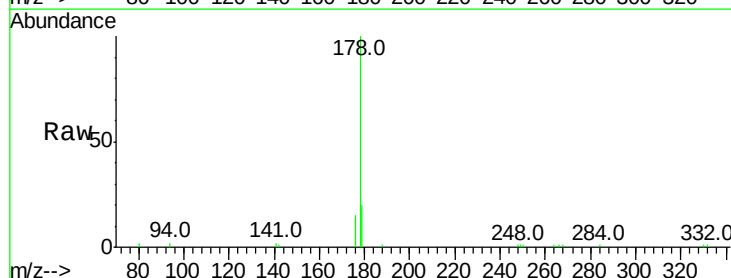
Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Tgt Ion:178 Resp: 17245

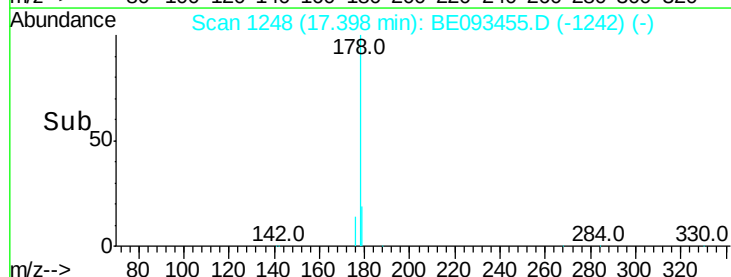
Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.6	22.0#
179	18.4	12.0	18.0#

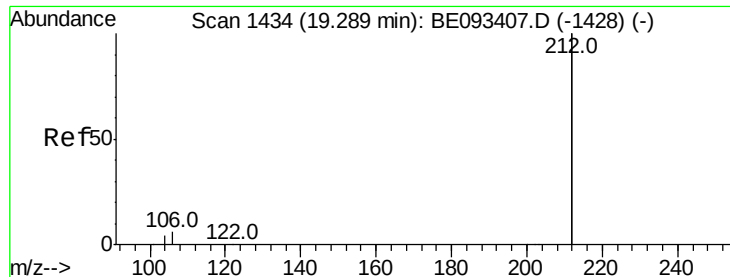


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.522 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

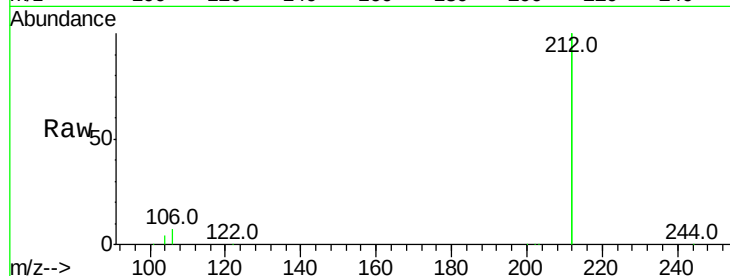
Tot Ion:212 Resp: 177851

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

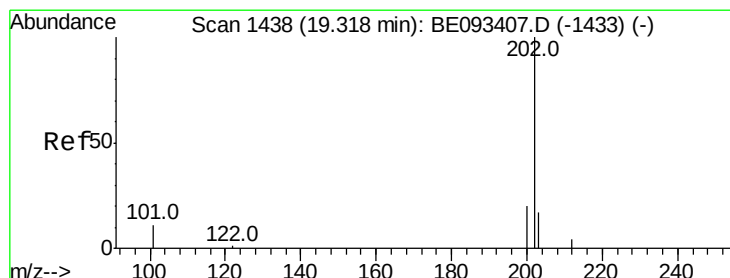
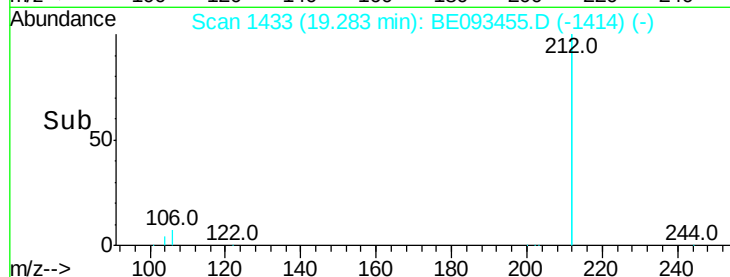
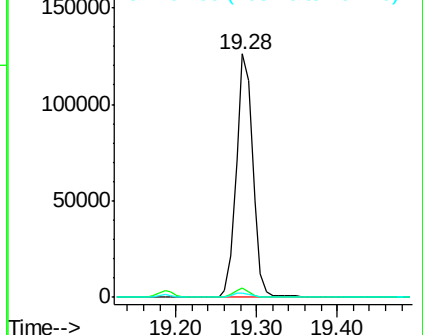
104 2.1 1.6 2.4



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: 0.537 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

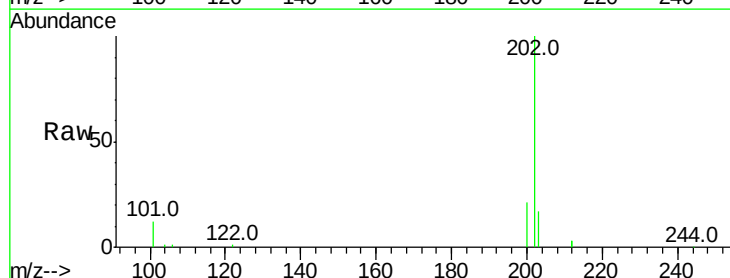
Tgt Ion:202 Resp: 51833

Ion Ratio Lower Upper

202 100

101 12.1 9.6 14.4

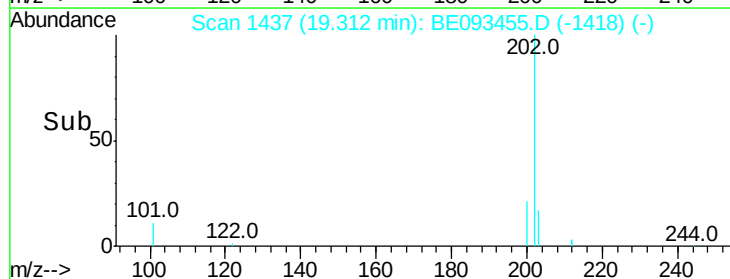
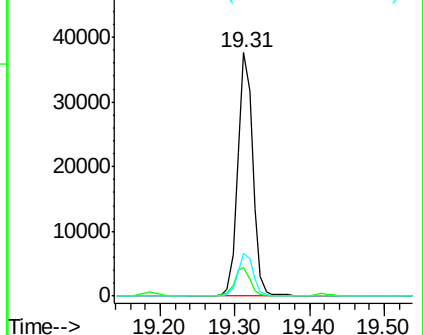
203 17.3 14.4 21.6

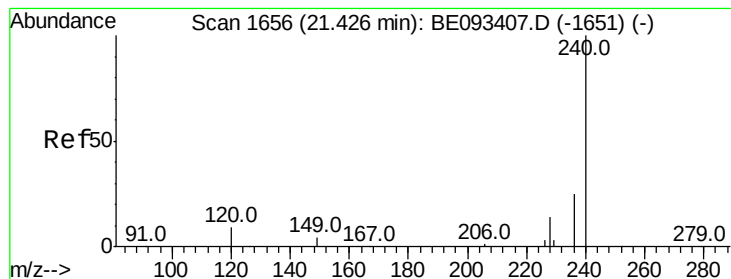


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

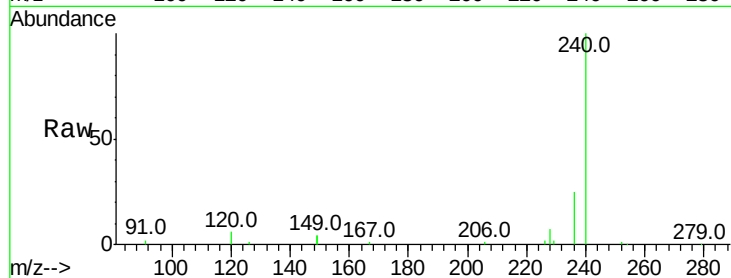
Tot Ion:240 Resp: 42990

Ion Ratio Lower Upper

240 100

120 5.8 4.6 7.0

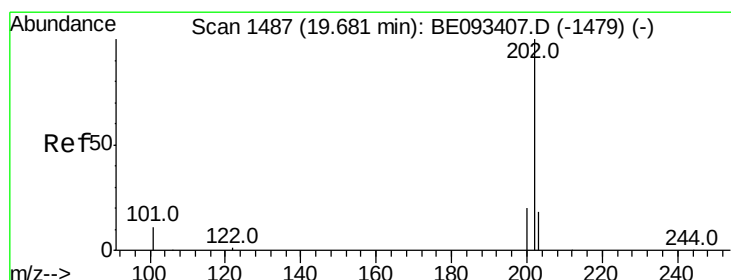
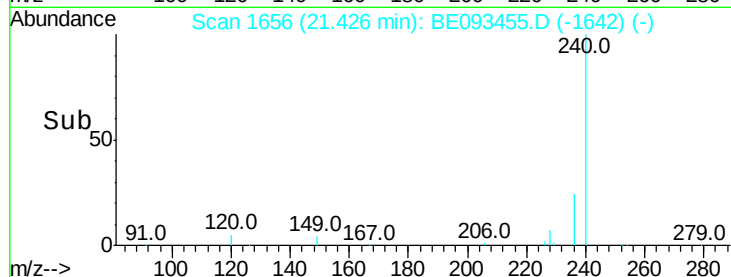
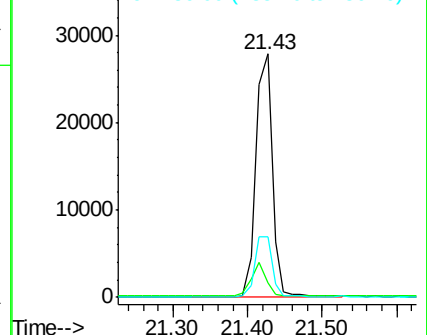
236 24.7 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.428 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

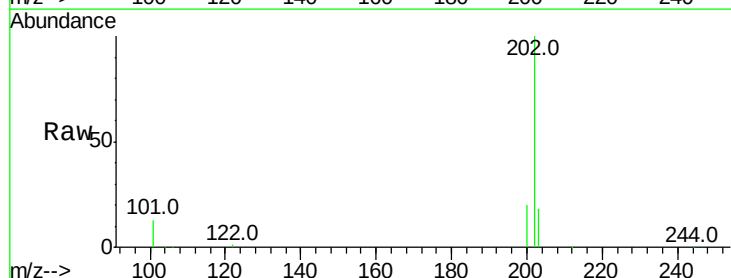
Tgt Ion:202 Resp: 51775

Ion Ratio Lower Upper

202 100

200 20.4 0.0 0.0#

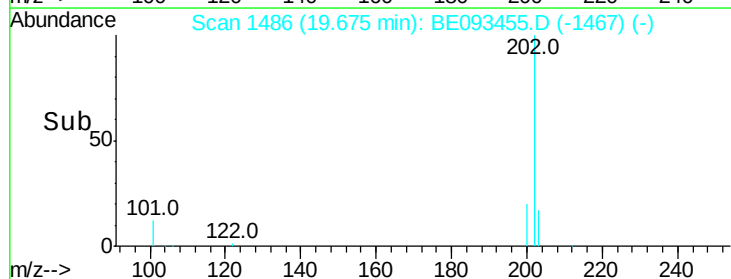
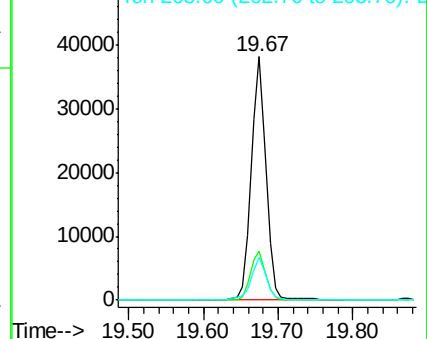
203 17.8 13.7 20.5

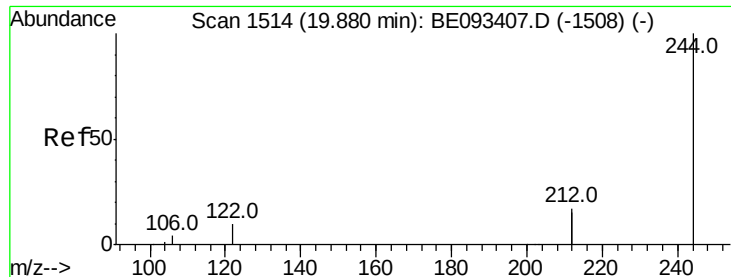


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.475 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

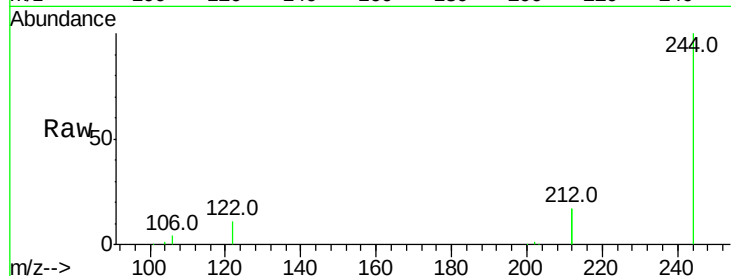
Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :



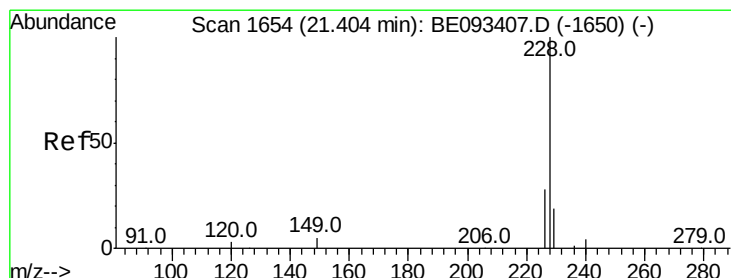
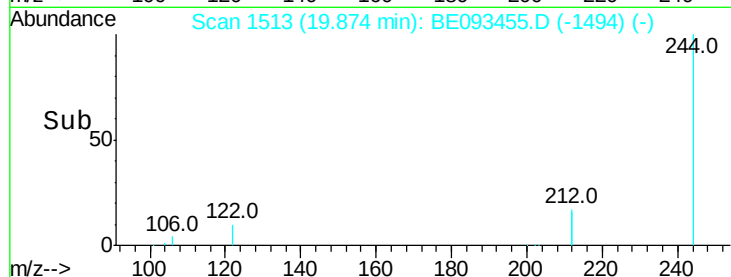
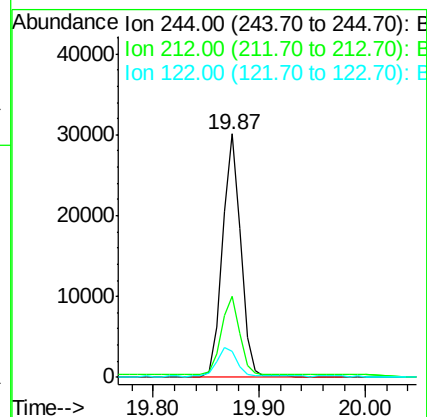
Tot Ion:244 Resp: 36497

Ion Ratio Lower Upper

244 100

212 33.3 10.6 16.0#

122 10.9 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.405 ng

RT: 21.40 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

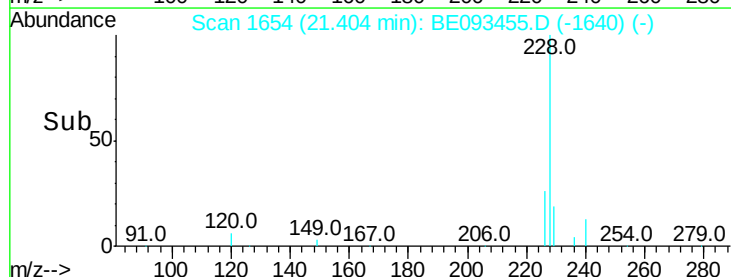
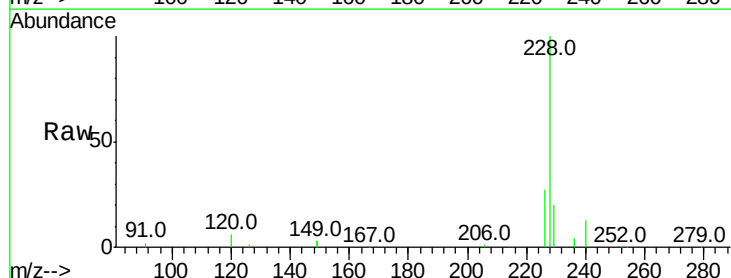
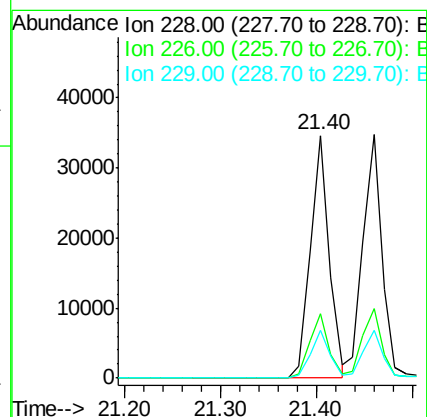
Tgt Ion:228 Resp: 46945

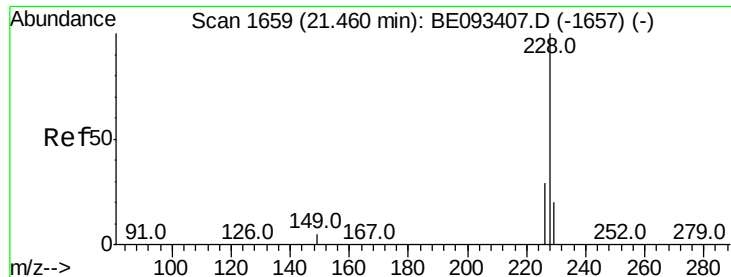
Ion Ratio Lower Upper

228 100

226 26.6 19.7 29.5

229 19.7 19.2 28.8





#31

Chrysene

Concen: 0.397 ng

RT: 21.46 min Scan# 1659

Delta R.T. 0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

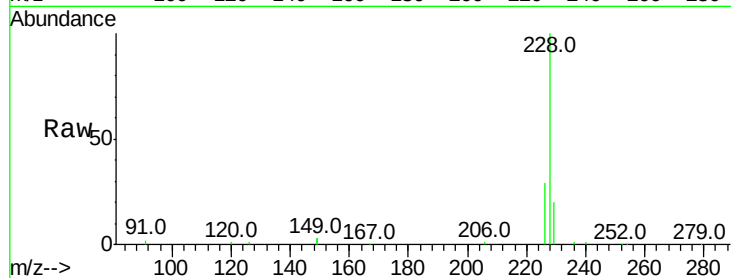
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 48153

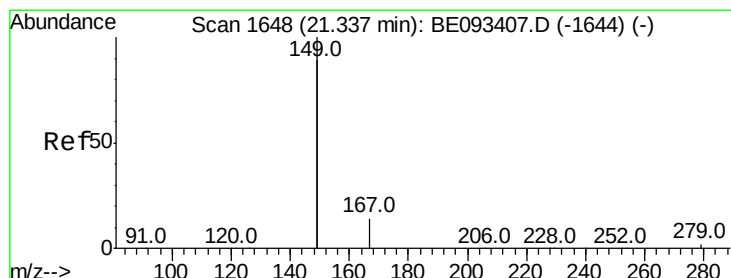
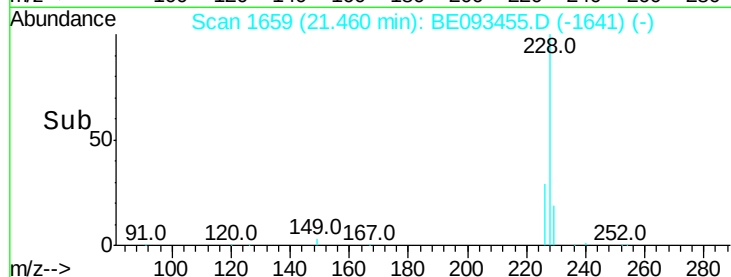
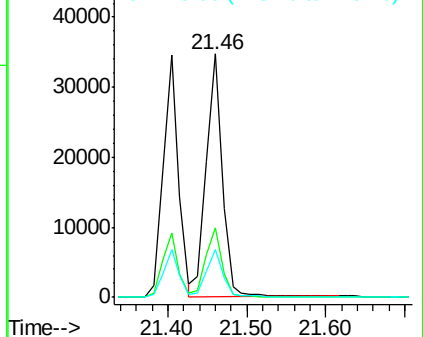
Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.5	32.3
229	19.7	18.6	28.0



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: 0.568 ng

RT: 21.33 min Scan# 1647

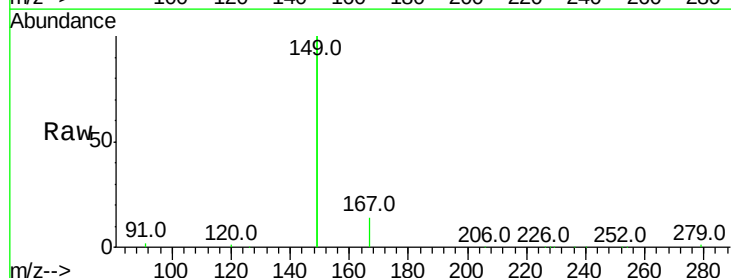
Delta R.T. -0.01 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Tgt Ion:149 Resp: 94938

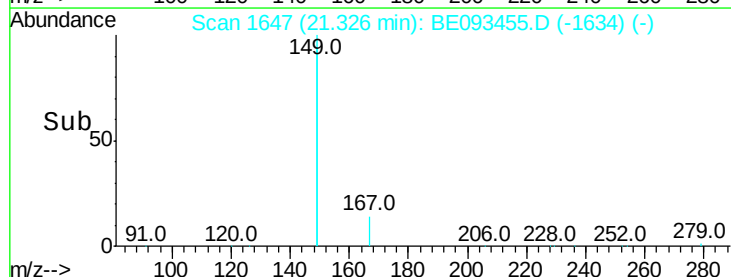
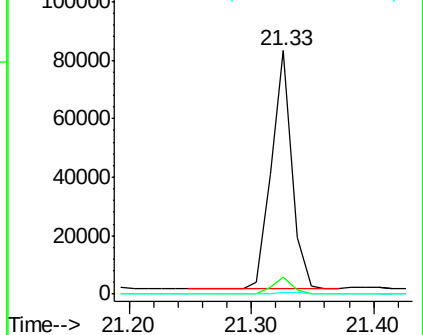
Ion	Ratio	Lower	Upper
149	100		
167	6.6	20.1	30.1#
279	0.8	2.2	3.4#

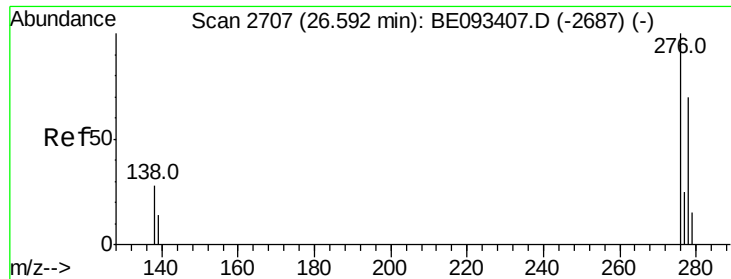


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.415 ng

RT: 26.57 min Scan# 2703

Delta R.T. -0.02 min

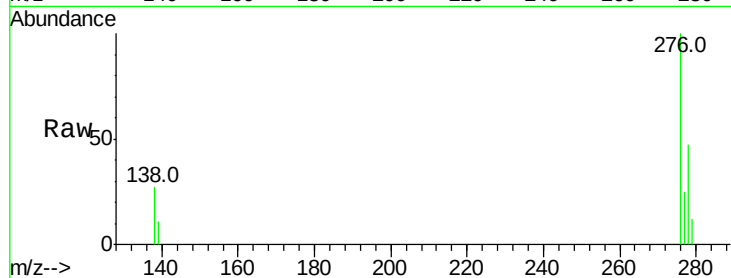
Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :



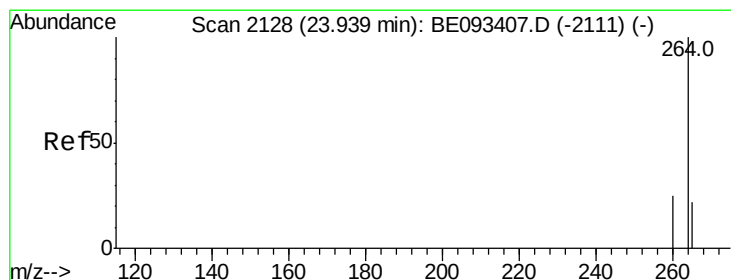
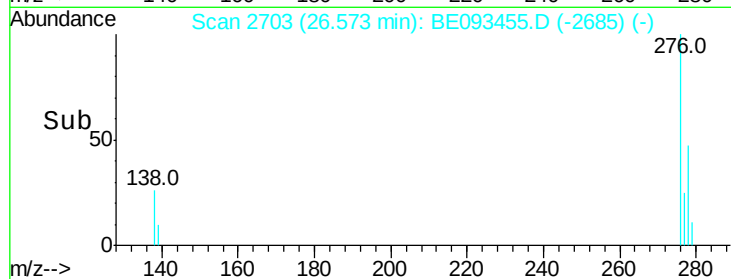
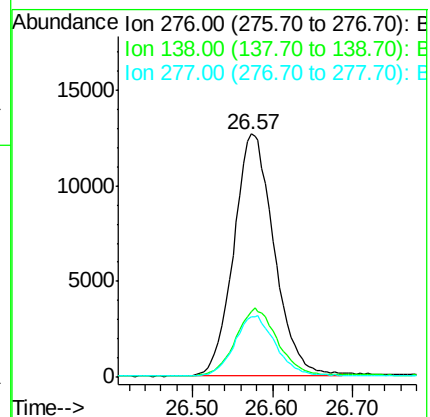
Tot Ion:276 Resp: 44211

Ion Ratio Lower Upper

276 100

138 28.4 27.4 41.2

277 24.8 20.1 30.1



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

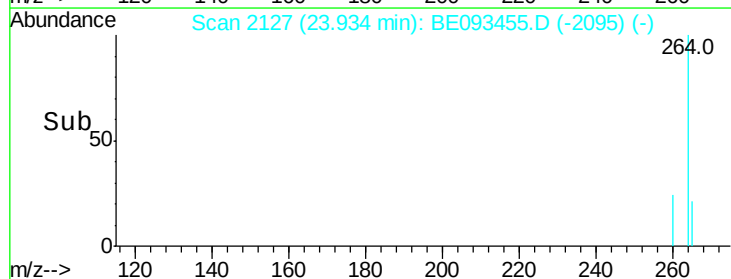
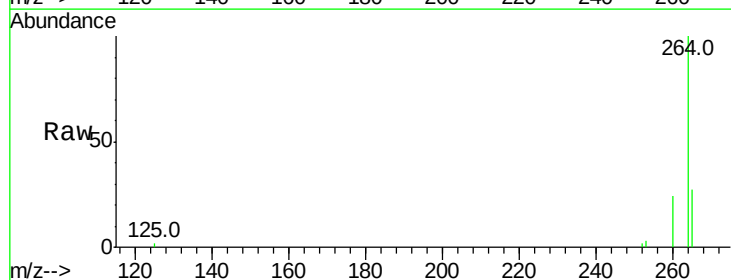
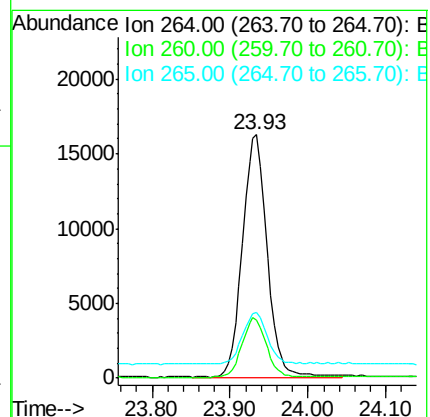
Tgt Ion:264 Resp: 35628

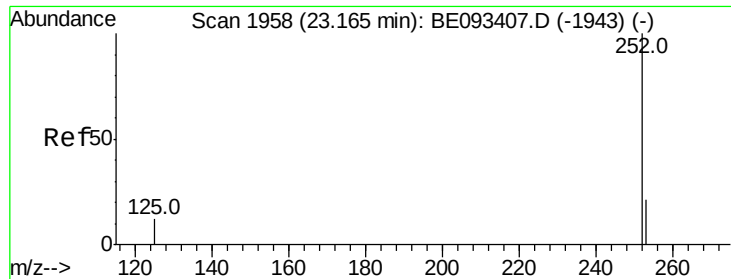
Ion Ratio Lower Upper

264 100

260 24.1 21.0 31.4

265 27.2 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.390 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

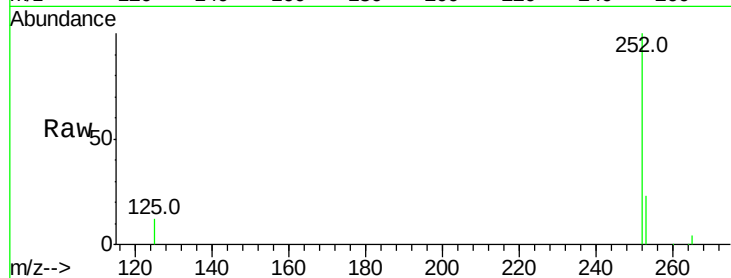
Tot Ion:252 Resp: 44865

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

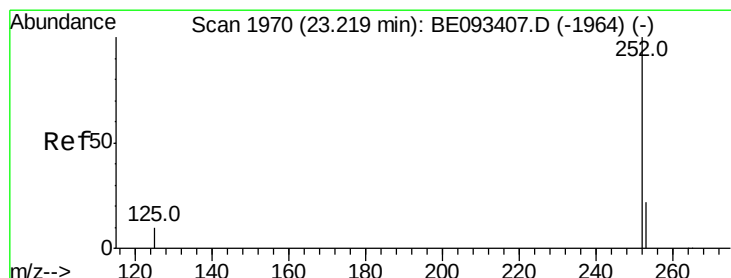
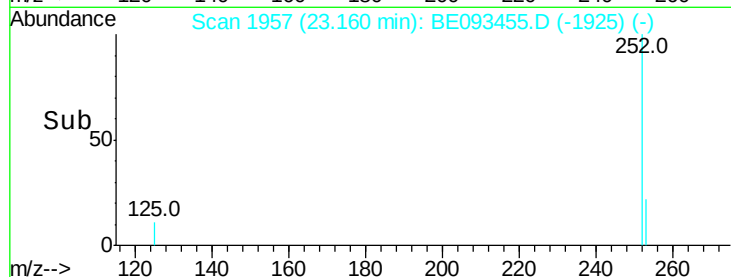
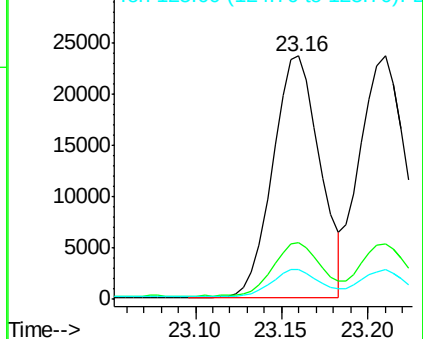
125 12.4 13.4 20.0#



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: 0.394 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.06 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

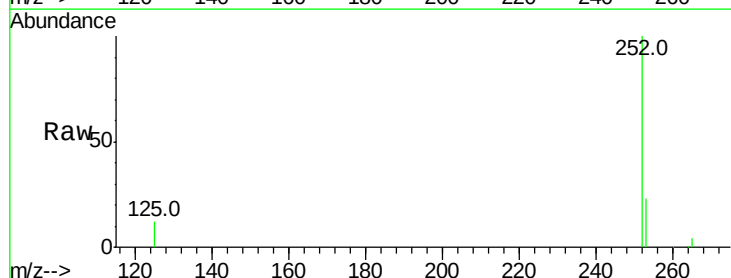
Tgt Ion:252 Resp: 44865

Ion Ratio Lower Upper

252 100

253 23.1 20.3 30.5

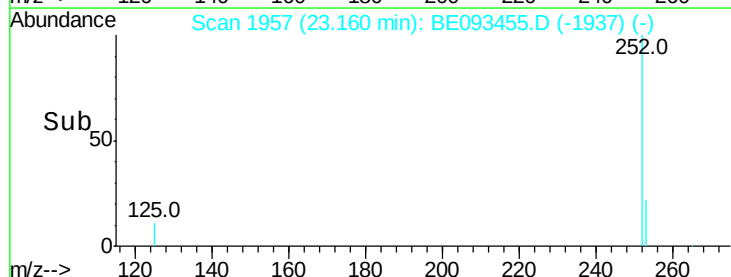
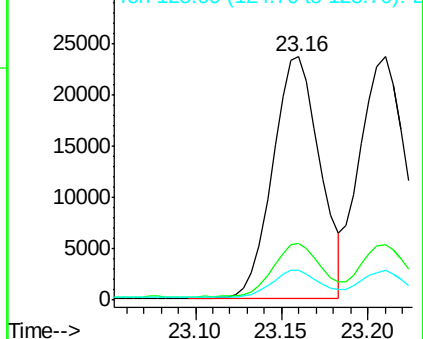
125 12.4 12.2 18.4

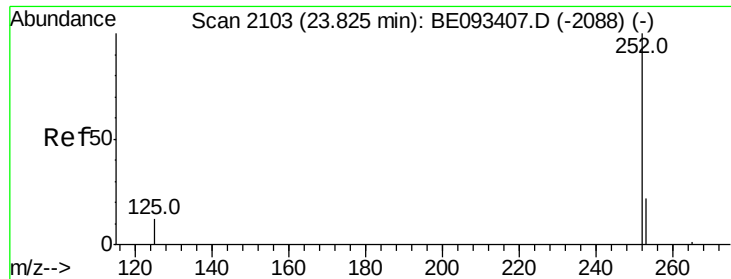


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.373 ng

RT: 23.82 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :

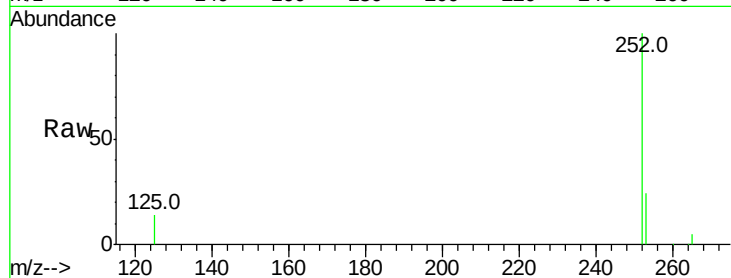
Tot Ion:252 Resp: 37618

Ion Ratio Lower Upper

252 100

253 23.7 19.9 29.9

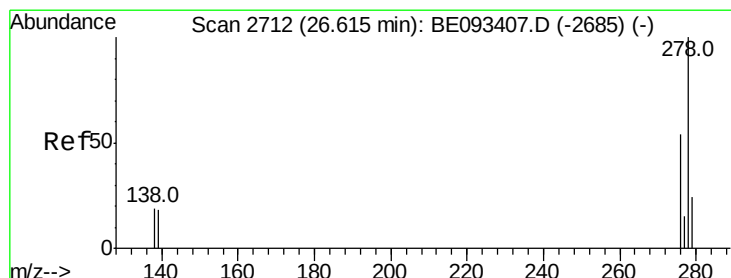
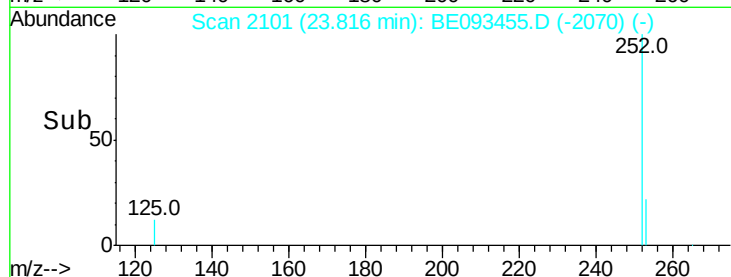
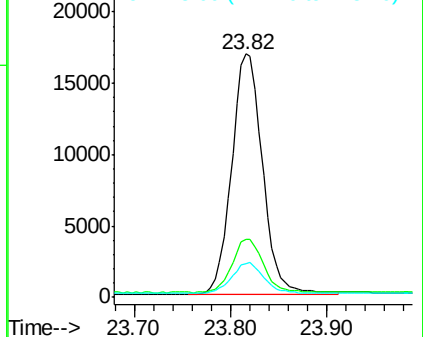
125 13.8 14.6 21.8#



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: 0.387 ng

RT: 26.60 min Scan# 2708

Delta R.T. -0.02 min

Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

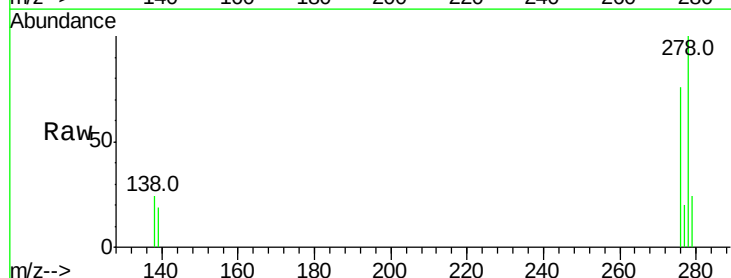
Tgt Ion:278 Resp: 37908

Ion Ratio Lower Upper

278 100

139 19.4 21.4 32.0#

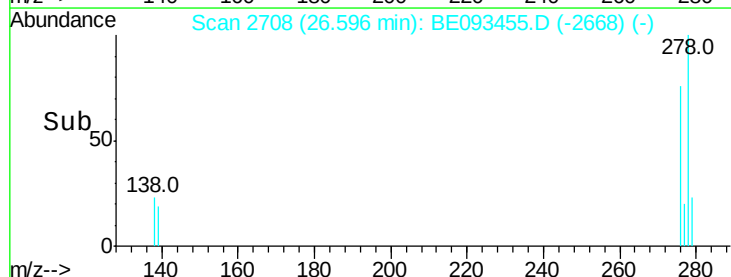
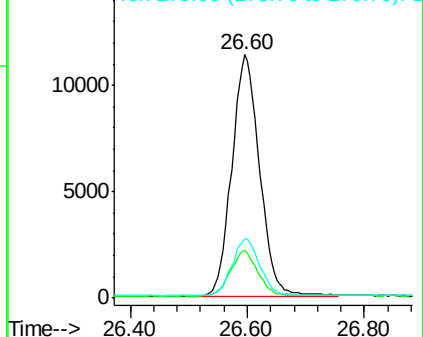
279 24.4 22.2 33.2

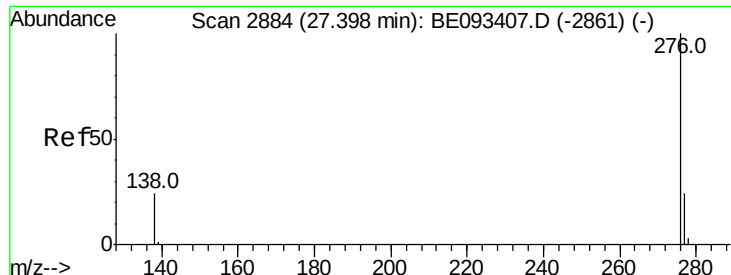


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.387 ng

RT: 27.39 min Scan# 2882

Delta R.T. -0.01 min

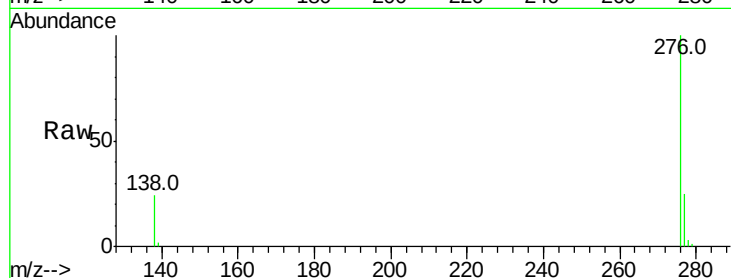
Lab File: BE093455.D

Acq: 13 Jul 2017 12:48

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 38223

Ion Ratio Lower Upper

276 100

277 24.8 21.2 31.8

138 24.3 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

