

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093982.D
 Acq On : 13 Sep 2017 10:36
 Operator : SJ/JU
 Sample : PB102153BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 14 00:51:31 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2499	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11247	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	6466	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	13246	0.40	ng	0.00
27) Chrysene-d12	21.43	240	18065	0.40	ng	0.00
34) Perylene-d12	23.94	264	13543	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2127	0.26	ng	0.00
5) Phenol-d6	7.11	99	2801	0.23	ng	0.00
8) Nitrobenzene-d5	9.08	82	2572	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	4953	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	518	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	6578	0.26	ng	0.00
25) Fluoranthene-d10	19.29	212	52145	0.26	ng	0.00
29) Terphenyl-d14	19.87	244	9715	0.29	ng	0.00

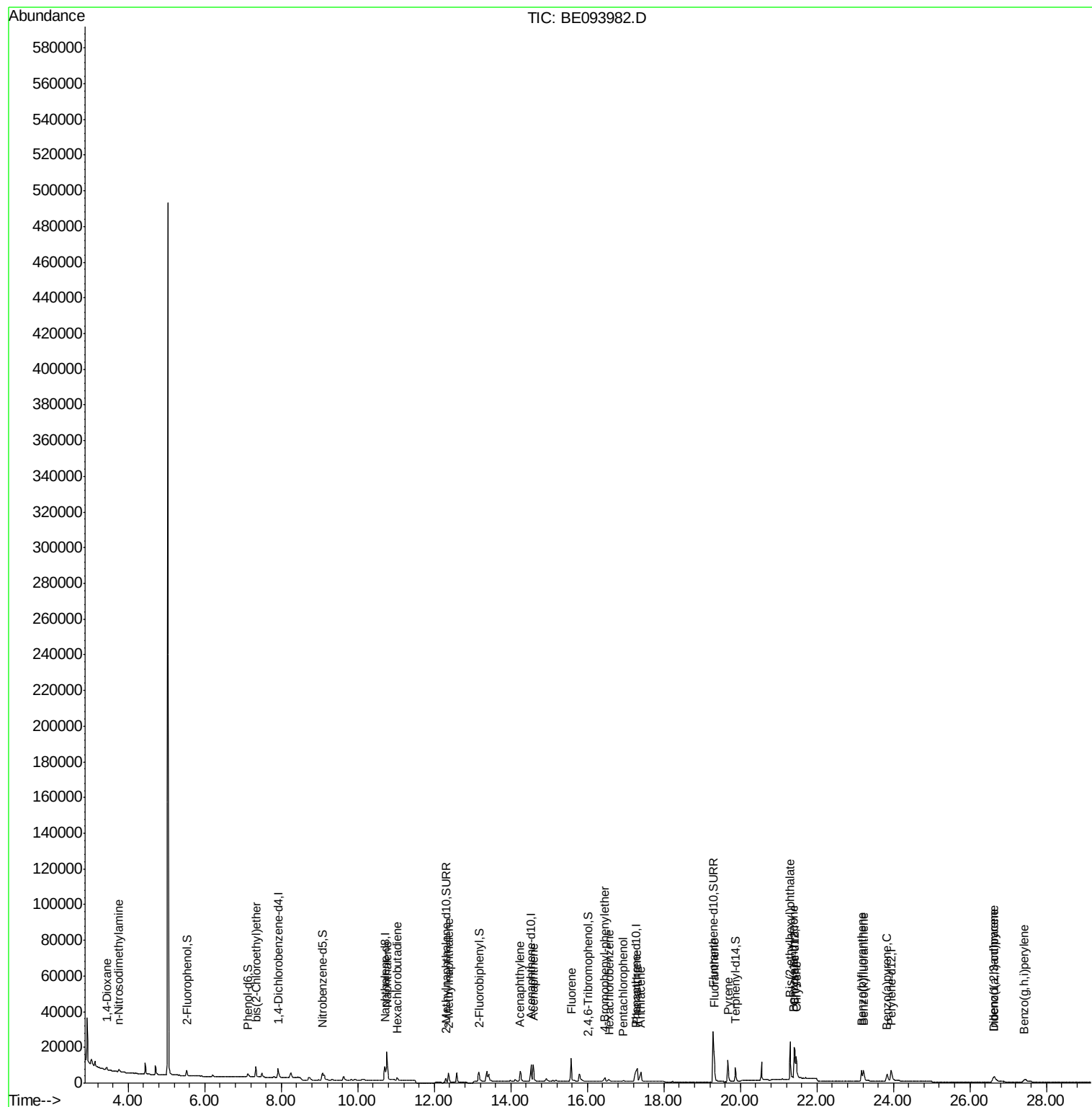
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	1014	0.294	ng	# 22
3) n-Nitrosodimethylamine	3.75	42	1192	0.295	ng	# 92
6) bis(2-Chloroethyl)ether	7.34	93	2380	0.240	ng	94
9) Naphthalene	10.76	128	32431	0.252	ng	100
10) Hexachlorobutadiene	11.03	225	1185	0.253	ng	99
12) 2-Methylnaphthalene	12.37	142	5477	0.256	ng	98
16) Acenaphthylene	14.24	152	7756	0.240	ng	100
17) Acenaphthene	14.59	154	5394	0.247	ng	99
18) Fluorene	15.58	166	7231	0.257	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	2142	0.247	ng	# 78
21) Hexachlorobenzene	16.58	284	1748	0.224	ng	# 100
22) Pentachlorophenol	16.94	266	888	0.423	ng	96
23) Phenanthrene	17.30	178	13673	0.263	ng	# 100
24) Anthracene	17.40	178	8861	0.220	ng	# 56
26) Fluoranthene	19.32	202	14721	0.249	ng	99
28) Pyrene	19.67	202	14976	0.241	ng	99
30) Benzo(a)anthracene	21.40	228	13115	0.236	ng	97
31) Chrysene	21.46	228	14304	0.244	ng	99
32) Bis(2-ethylhexyl)phthalate	21.30	149	28140	0.209	ng	100
33) Indeno(1,2,3-cd)pyrene	26.62	276	7806	0.199	ng	98
35) Benzo(b)fluoranthene	23.17	252	9967	0.231	ng	98
36) Benzo(k)fluoranthene	23.22	252	14093	0.267	ng	95
37) Benzo(a)pyrene	23.83	252	10966	0.250	ng	# 95
38) Dibenzo(a,h)anthracene	26.63	278	6165	0.212	ng	# 91
39) Benzo(g,h,i)perylene	27.43	276	7113	0.232	ng	97

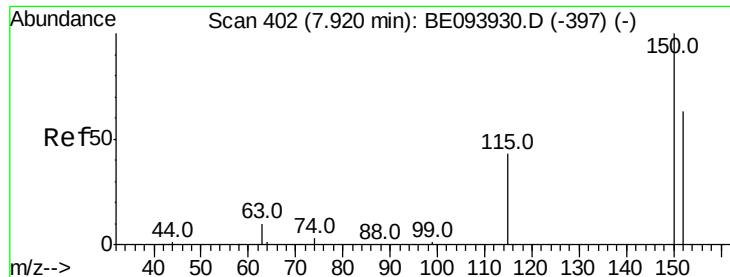
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093982.D
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BNA_E
ClientSampleId :

Quant Time: Sep 14 00:51:31 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

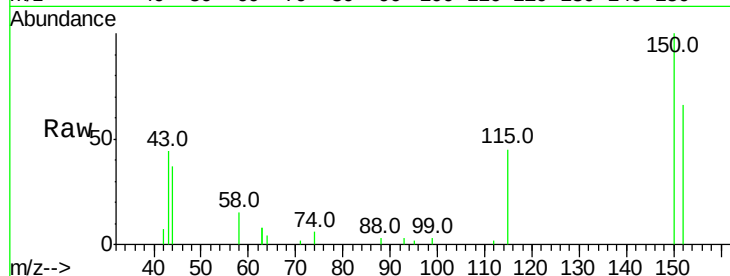
Tot Ion:152 Resp: 2499

Ion Ratio Lower Upper

152 100

150 152.5 121.8 182.6

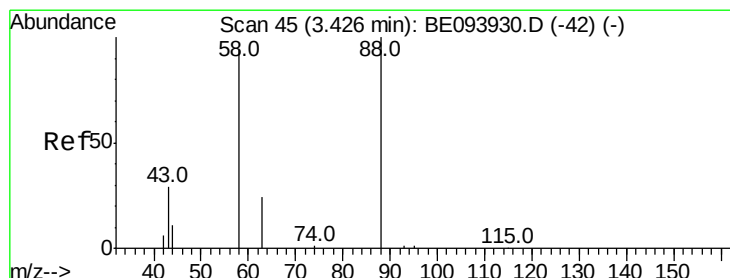
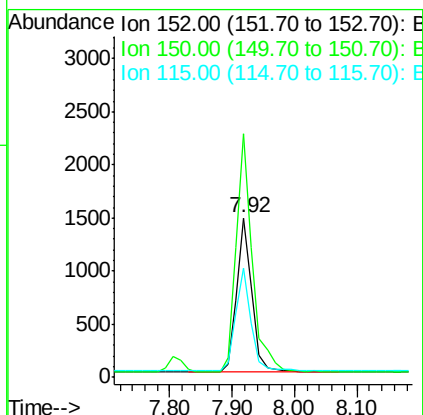
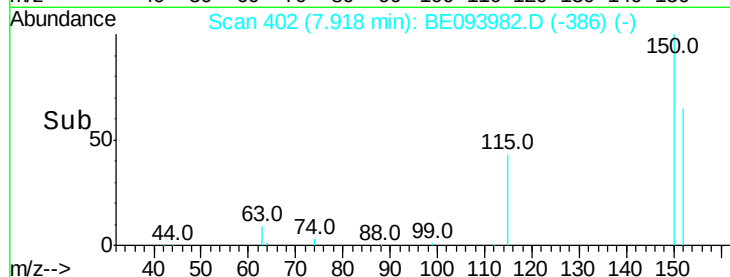
115 68.1 52.6 79.0



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: 0.294 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

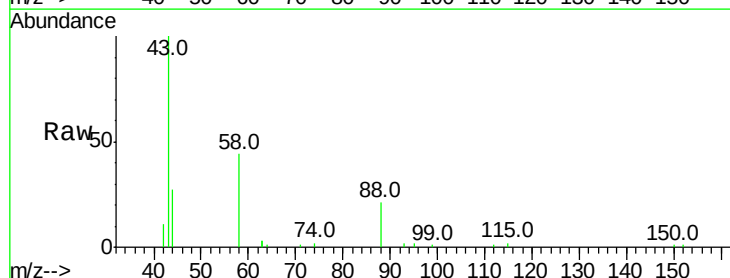
Tgt Ion: 88 Resp: 1014

Ion Ratio Lower Upper

88 100

58 158.6 65.4 98.0#

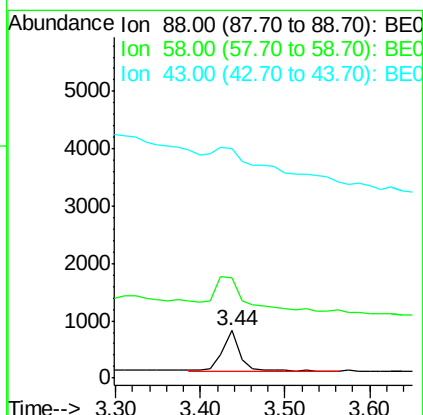
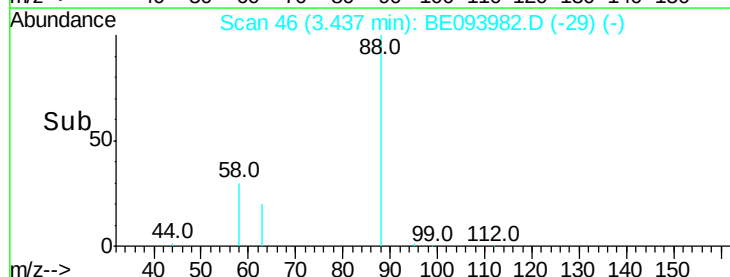
43 0.0 23.9 35.9#

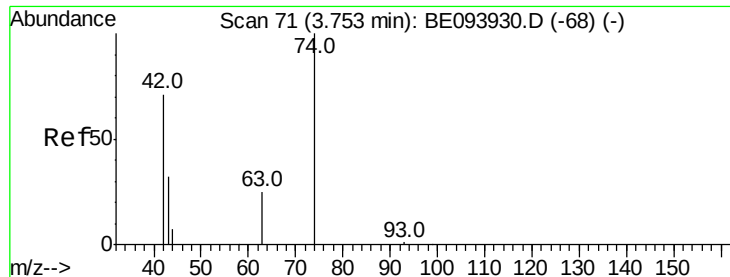


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



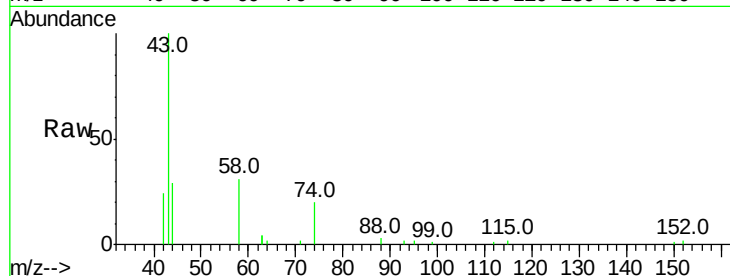


#3

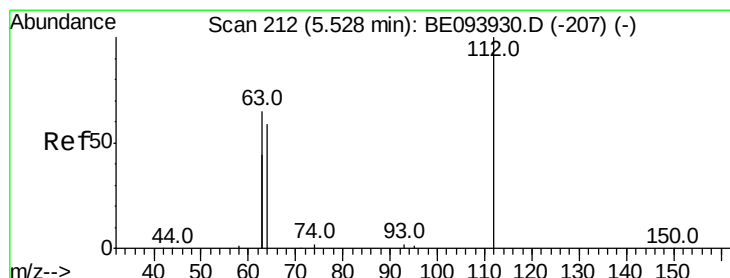
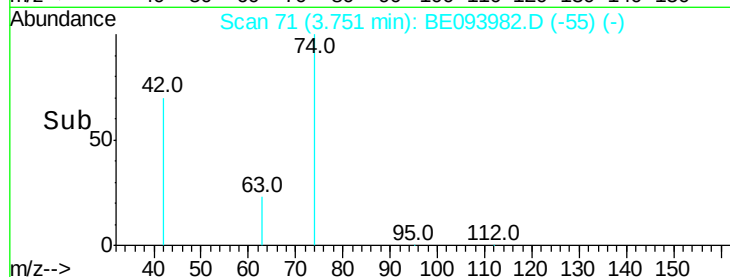
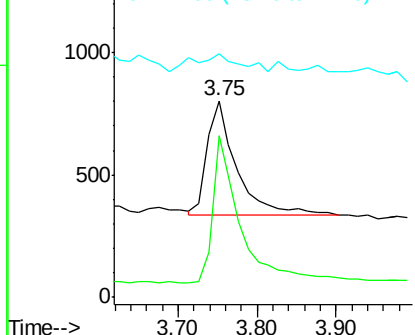
n-Nitrosodimethylamine
Concen: 0.295 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.00 min
Lab File: BE093982.D
Acq: 13 Sep 2017 10:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 1192
Ion Ratio Lower Upper
42 100
74 121.9 104.0 156.0
44 22.5 13.8 20.8#



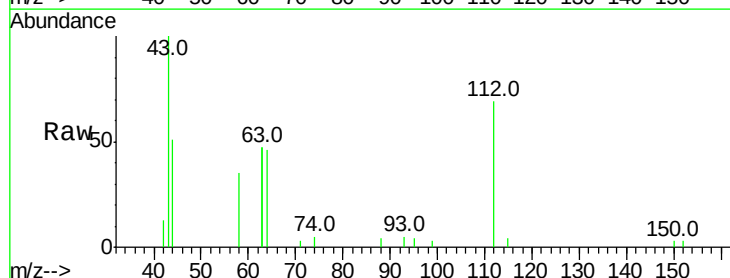
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



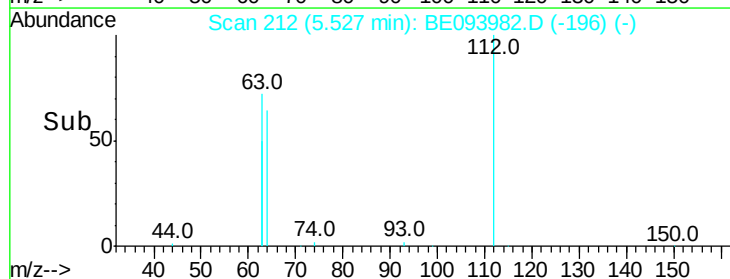
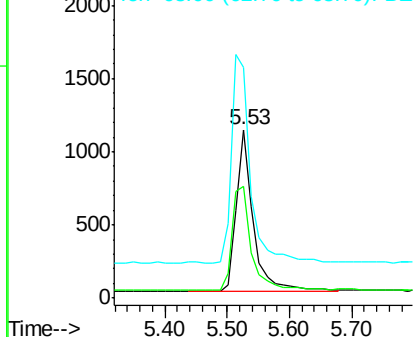
#4

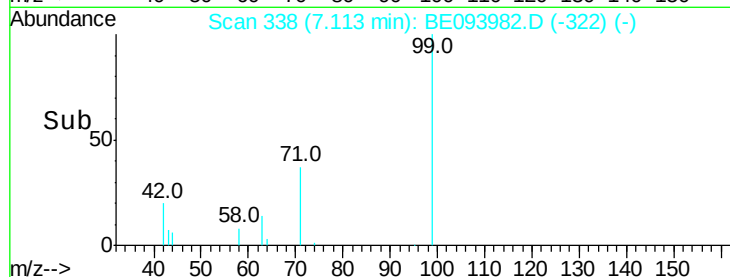
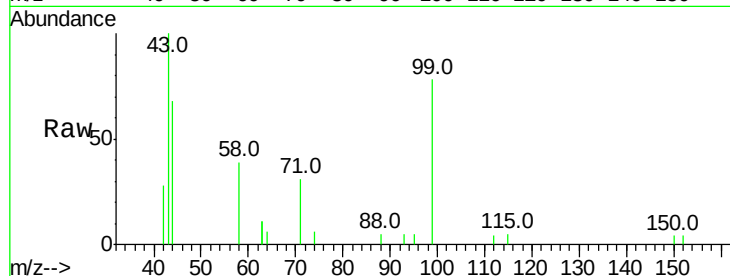
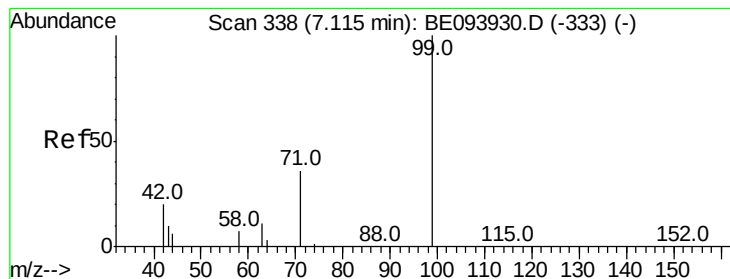
2-Fluorophenol
Concen: 0.263 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093982.D
Acq: 13 Sep 2017 10:36

Tgt Ion: 112 Resp: 2127
Ion Ratio Lower Upper
112 100
64 73.6 57.7 86.5
63 143.0 116.0 174.0



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: 0.231 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampled :

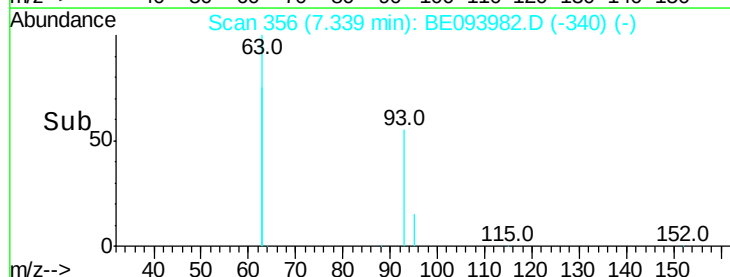
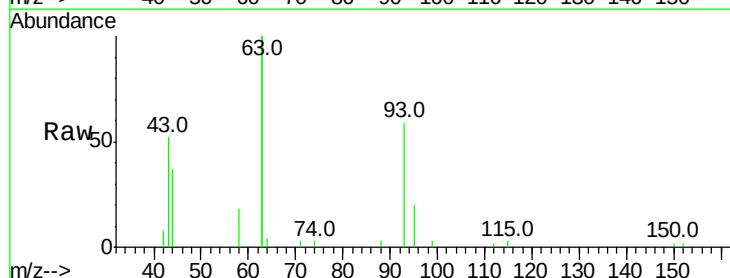
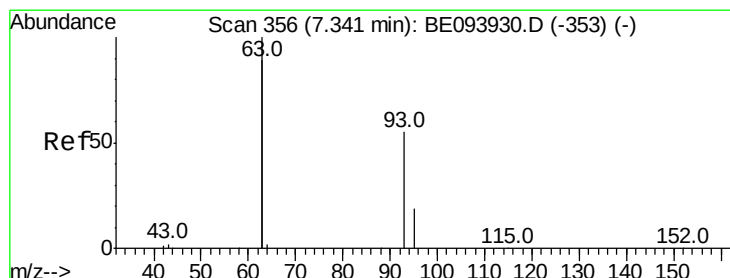
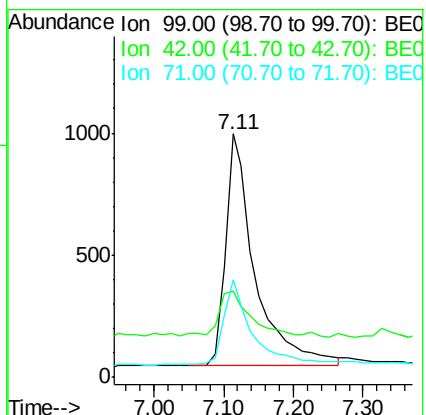
Tot Ion: 99 Resp: 2801

Ion Ratio Lower Upper

99 100

42 20.3 17.1 25.7

71 35.4 26.6 39.8



#6

bis(2-Chloroethyl)ether

Concen: 0.240 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

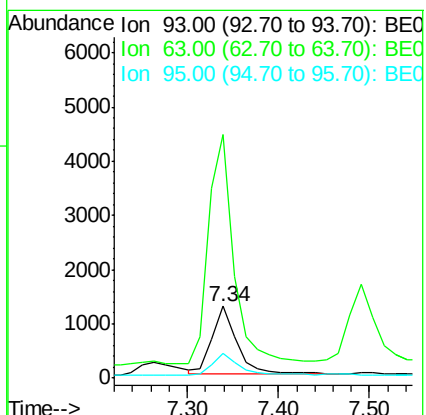
Tgt Ion: 93 Resp: 2380

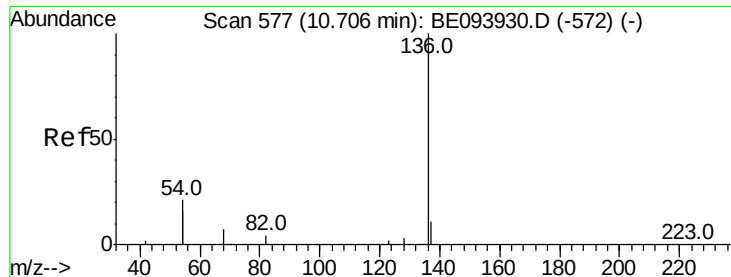
Ion Ratio Lower Upper

93 100

63 341.6 283.4 425.2

95 30.7 26.9 40.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093982.D

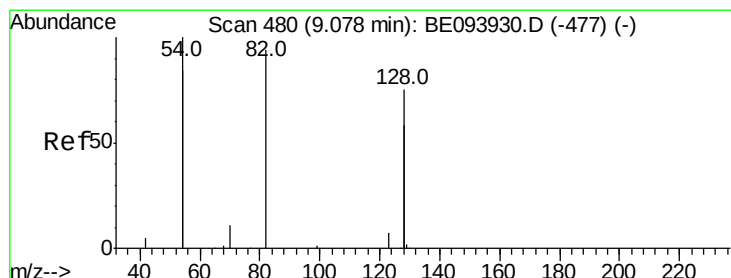
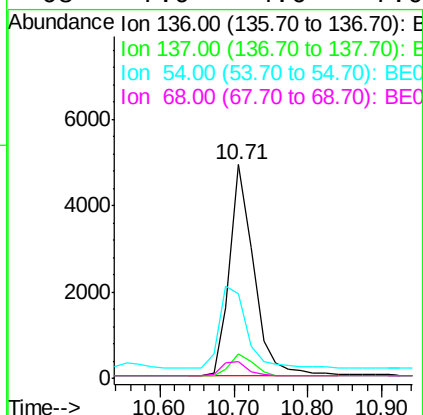
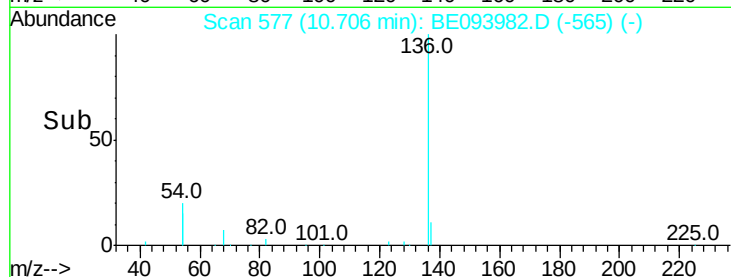
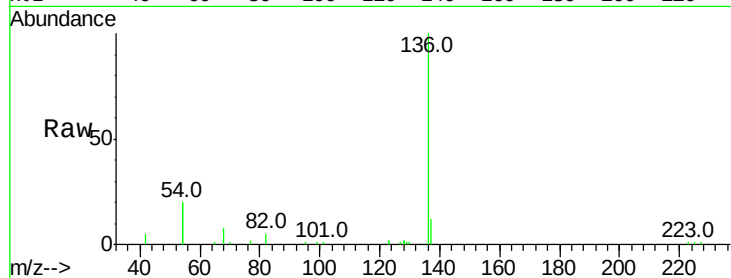
Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	11247
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.2 13.8
54	39.6	21.9 32.9#
68	7.9	4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.270 ng

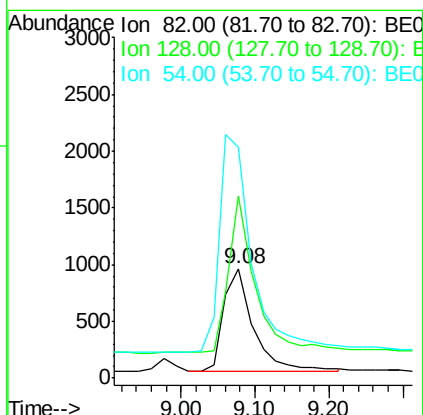
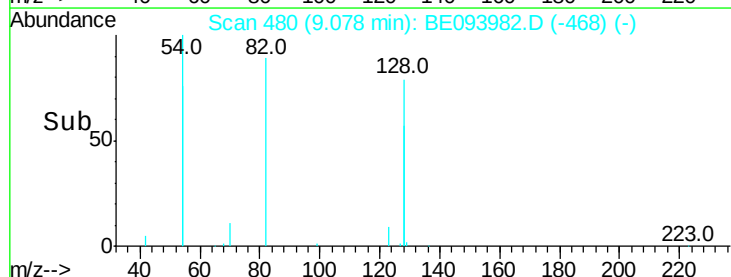
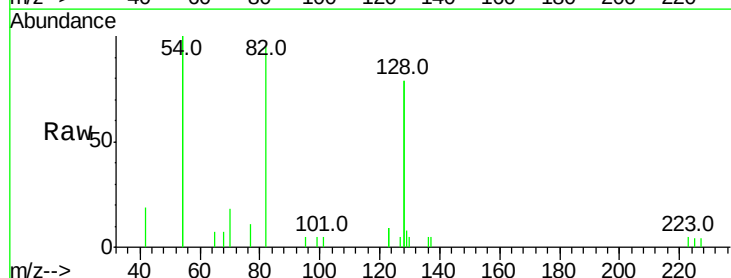
RT: 9.08 min Scan# 480

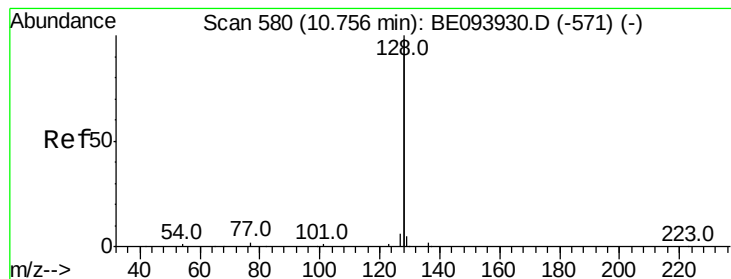
Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Tgt Ion: 82	Resp:	2572
Ion Ratio	Lower	Upper
82	100	
128	166.8	91.4 137.0#
54	211.4	197.8 296.8





#9

Naphthalene

Concen: 0.252 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

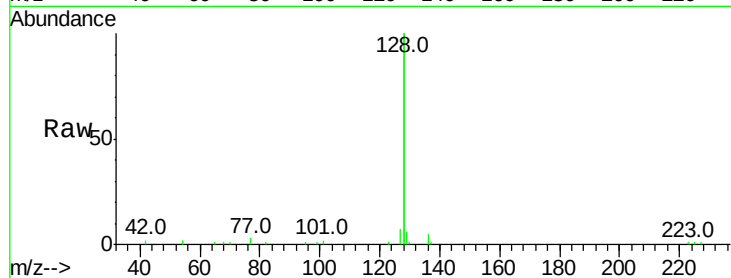
Tot Ion:128 Resp: 32431

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

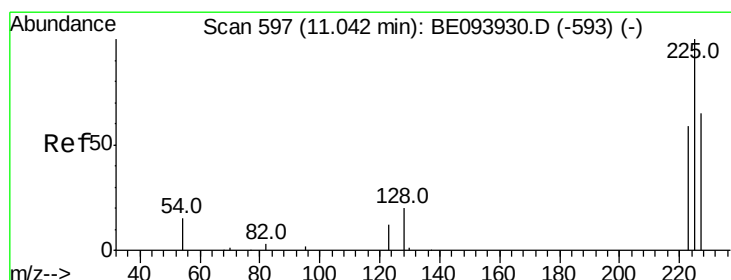
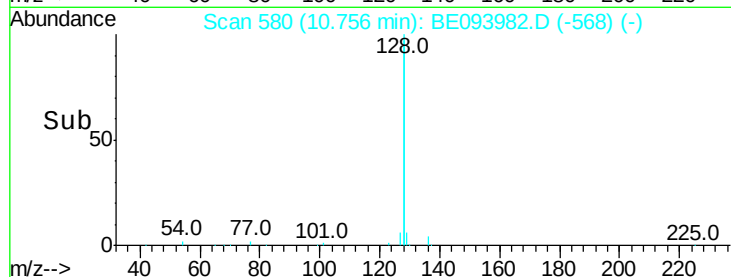
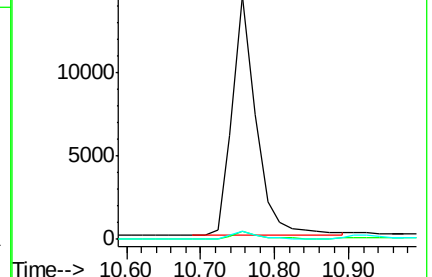
127 3.4 2.6 4.0



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: 0.253 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

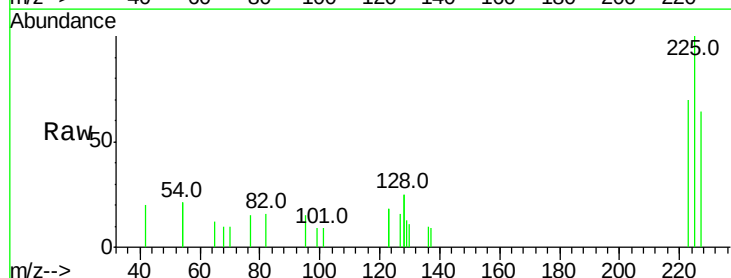
Tgt Ion:225 Resp: 1185

Ion Ratio Lower Upper

225 100

223 63.0 49.4 74.0

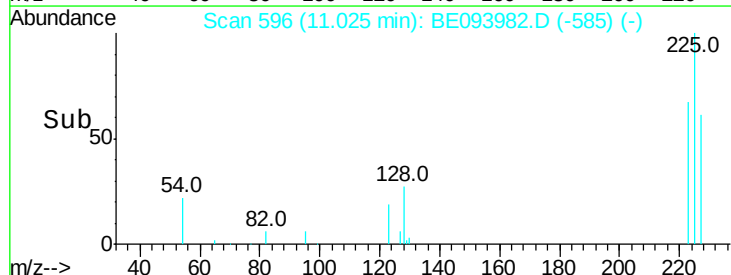
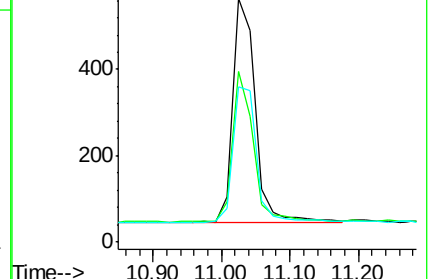
227 63.6 50.5 75.7

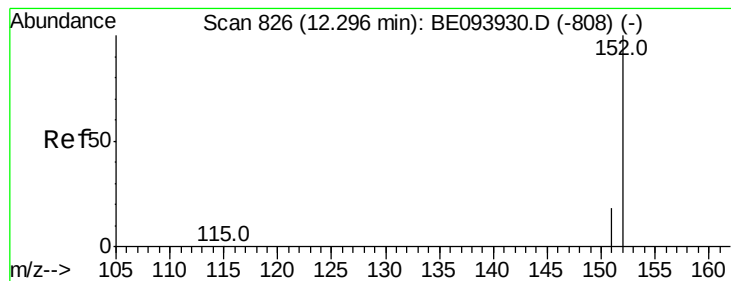


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.275 ng

RT: 12.30 min Scan# 827

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

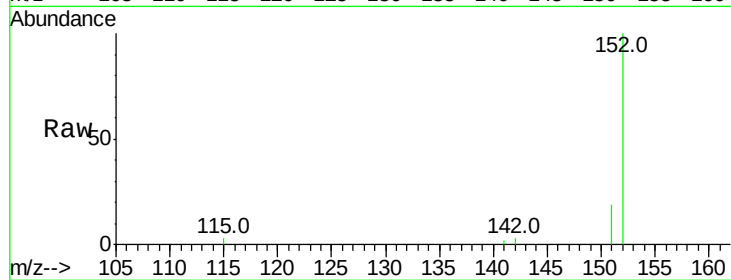
ClientSampleId :

Tot Ion:152 Resp: 4953

Ion Ratio Lower Upper

152 100

151 17.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

2500

2000

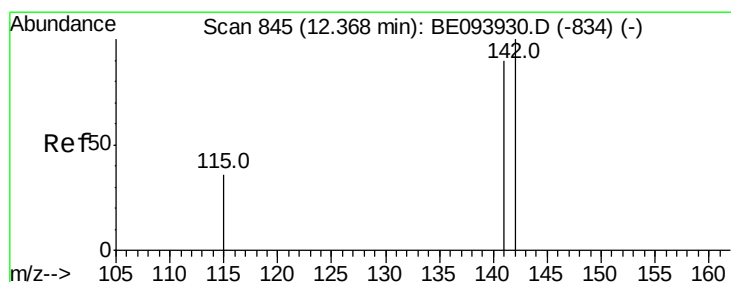
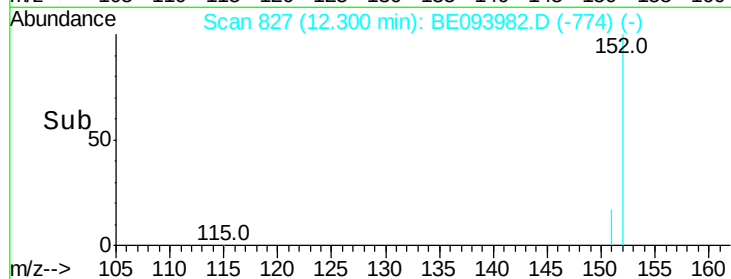
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.256 ng

RT: 12.37 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

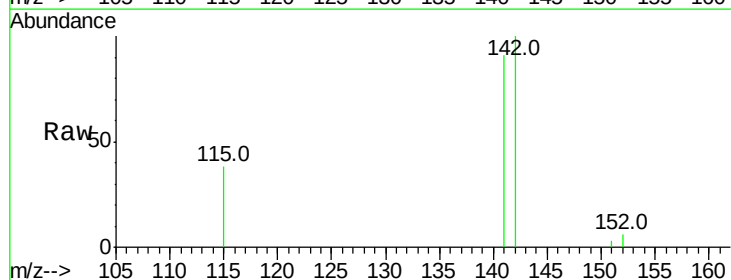
Tgt Ion:142 Resp: 5477

Ion Ratio Lower Upper

142 100

141 90.8 71.4 107.2

115 37.8 29.4 44.0



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

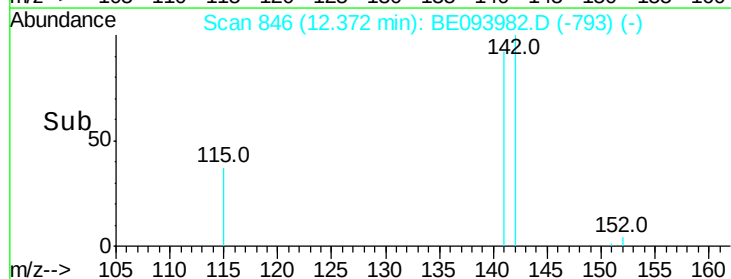
3000

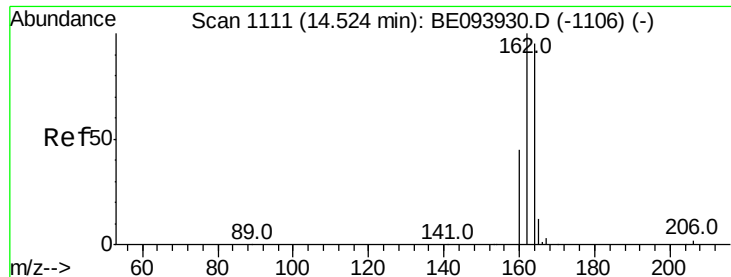
2000

1000

0

Time--> 12.30 12.40 12.50





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

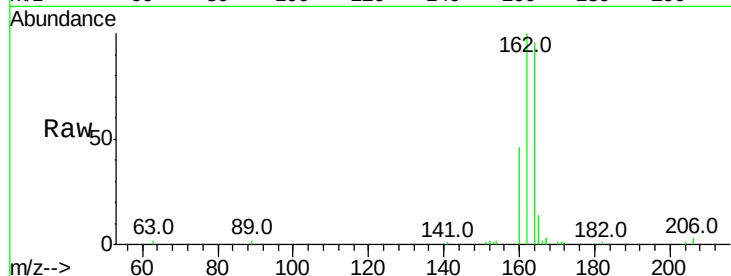
Tot Ion:164 Resp: 6466

Ion Ratio Lower Upper

164 100

162 104.3 80.8 121.2

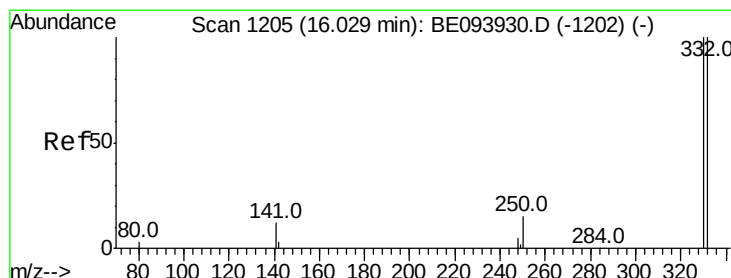
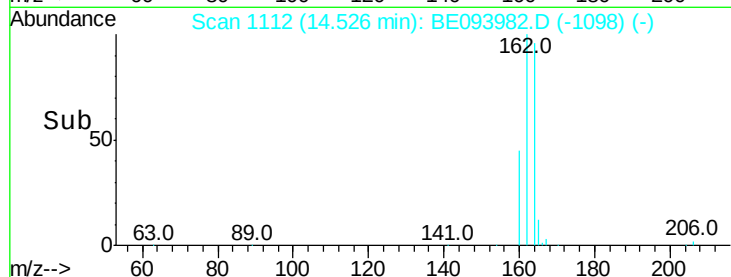
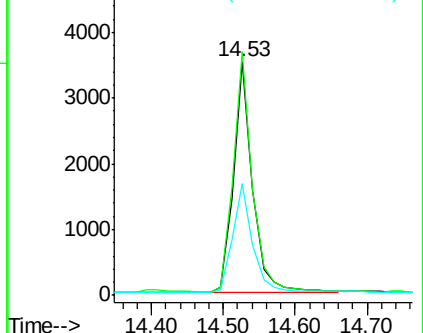
160 48.0 37.0 55.4



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: 0.259 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

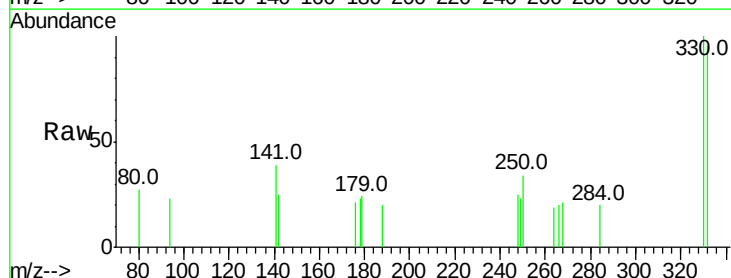
Tgt Ion:330 Resp: 518

Ion Ratio Lower Upper

330 100

332 101.2 76.9 115.3

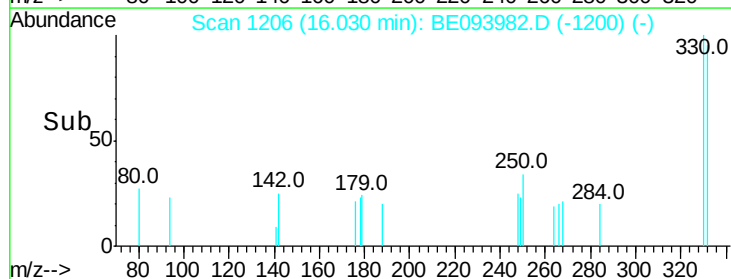
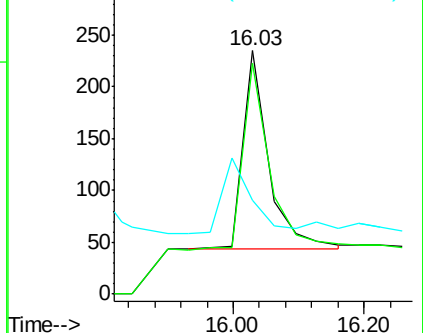
141 0.0 0.0 0.0

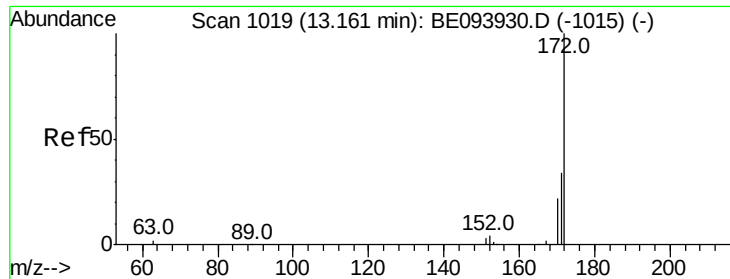


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

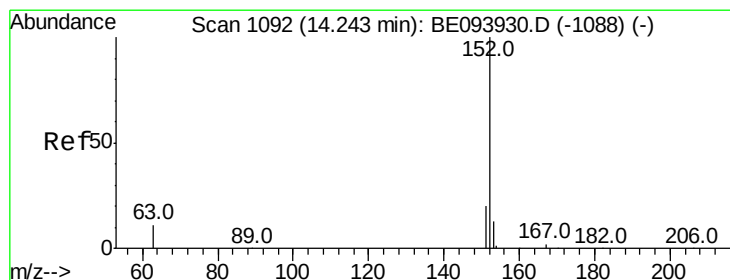
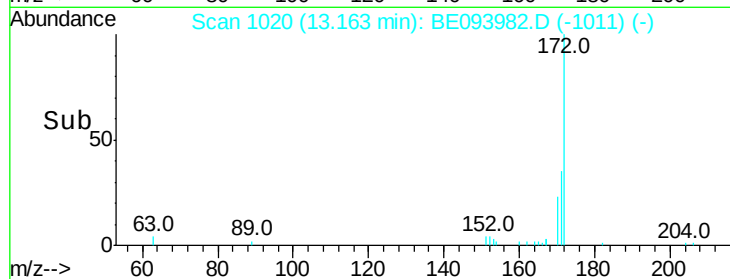
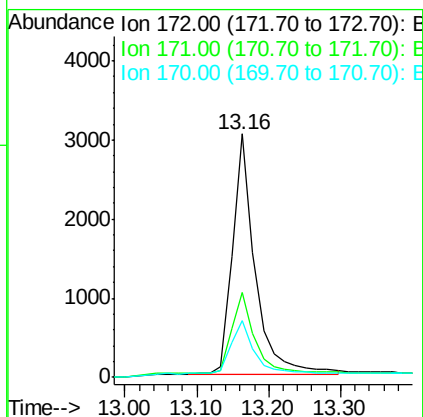
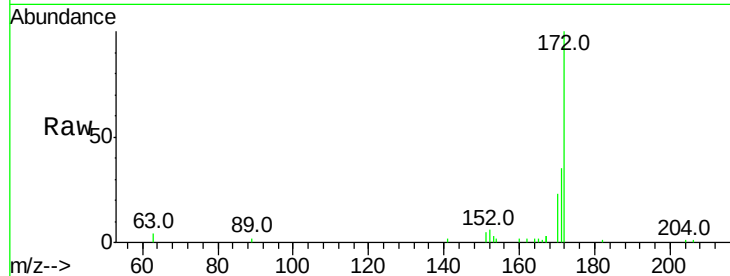




#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093982.D
Acq: 13 Sep 2017 10:36

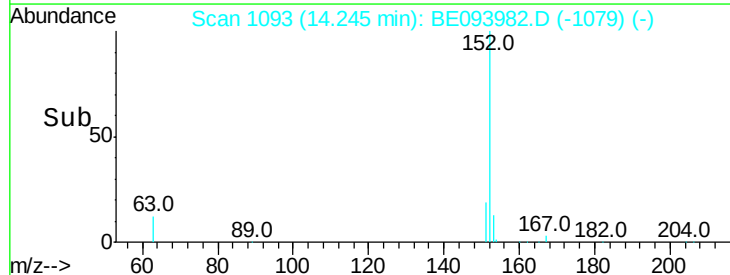
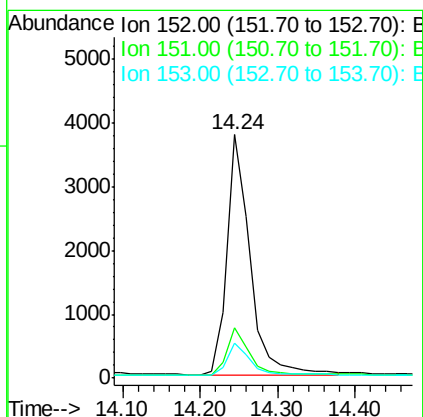
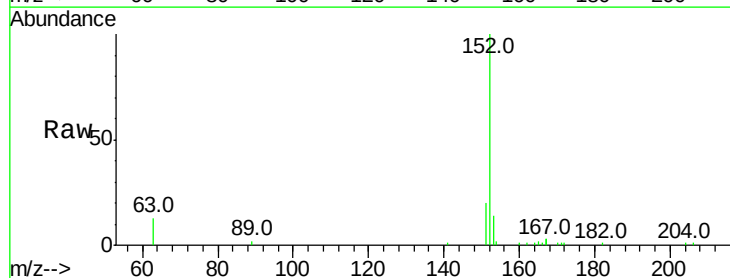
Instrument :
BNA_E
ClientSampleId :

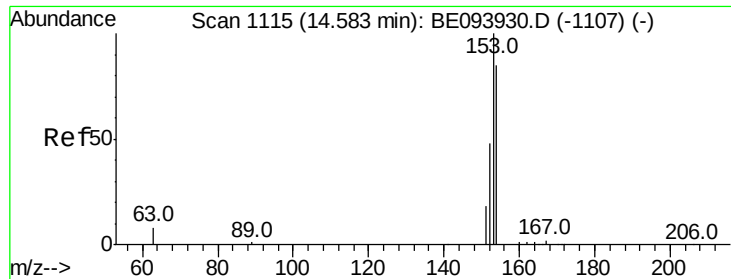
Tot Ion:172 Resp: 6578
Ion Ratio Lower Upper
172 100
171 35.1 26.9 40.3
170 23.5 17.3 25.9



#16
Acenaphthylene
Concen: 0.240 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093982.D
Acq: 13 Sep 2017 10:36

Tgt Ion:152 Resp: 7756
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.4 10.6 16.0

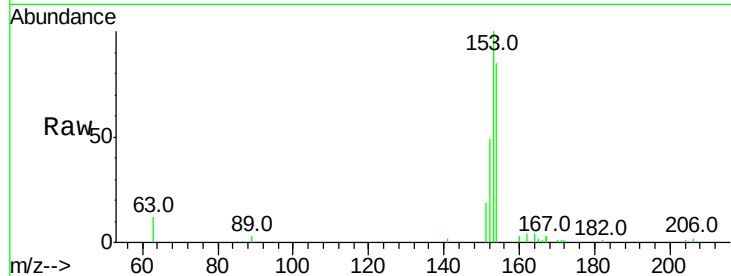




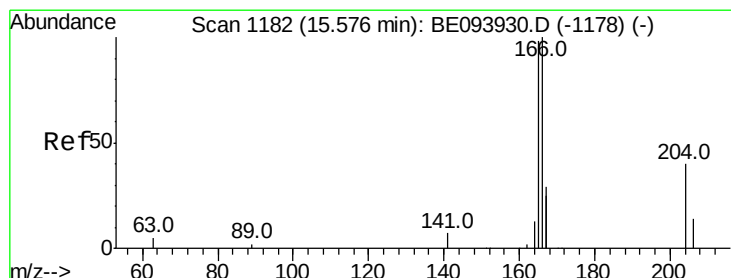
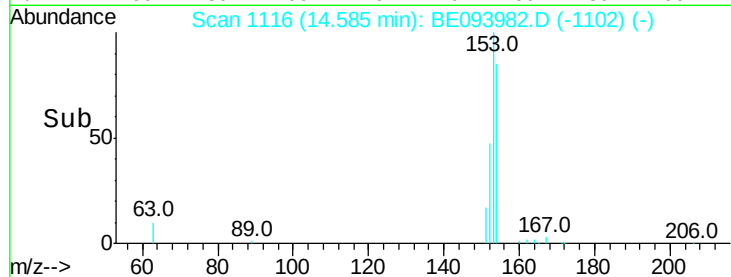
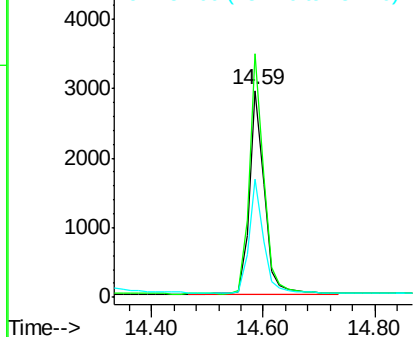
#17
Acenaphthene
Concen: 0.247 ng
RT: 14.59 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093982.D
Acq: 13 Sep 2017 10:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 5394
Ion Ratio Lower Upper
154 100
153 114.6 91.8 137.6
152 53.8 44.9 67.3

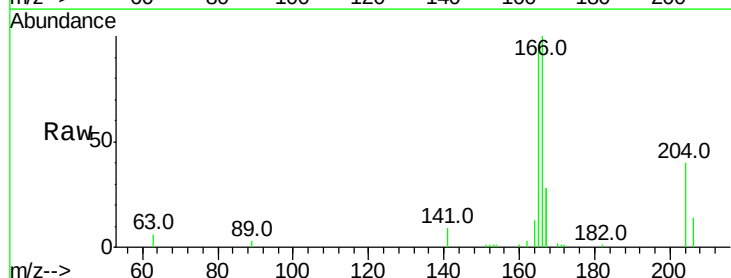


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

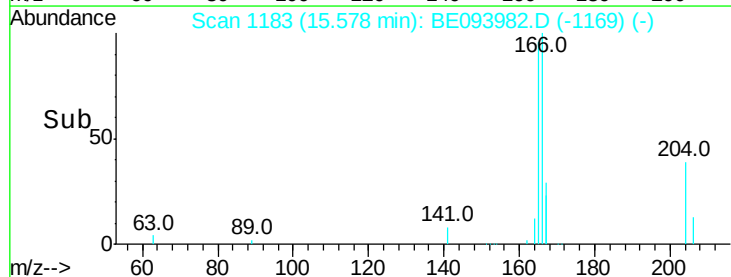
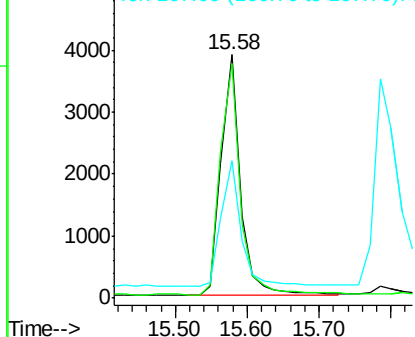


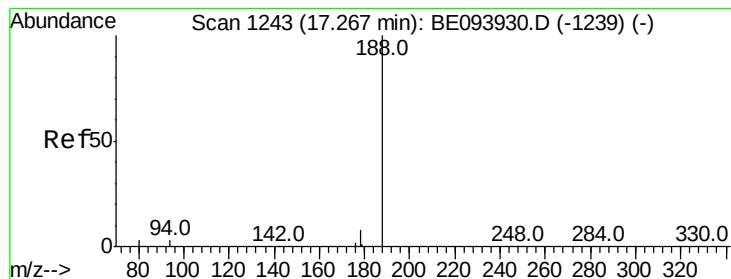
#18
Fluorene
Concen: 0.257 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE093982.D
Acq: 13 Sep 2017 10:36

Tgt Ion:166 Resp: 7231
Ion Ratio Lower Upper
166 100
165 99.1 79.4 119.0
167 52.6 43.5 65.3



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: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

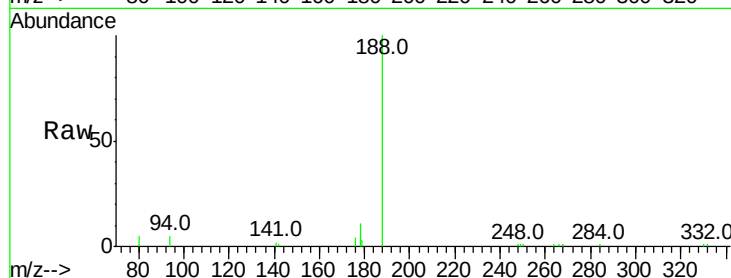
Tot Ion:188 Resp: 13246

Ion Ratio Lower Upper

188 100

94 5.4 16.1 24.1#

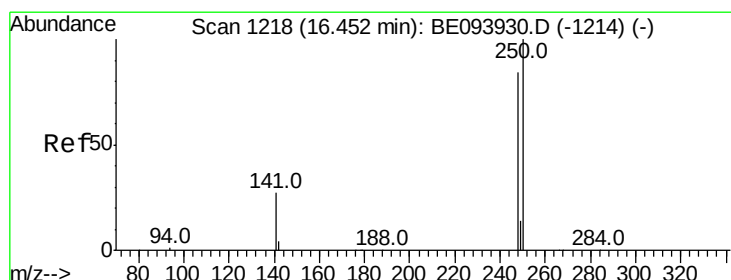
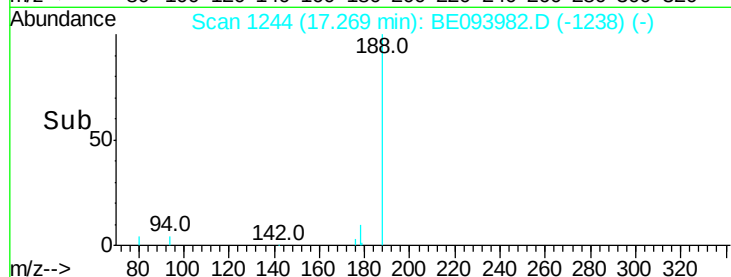
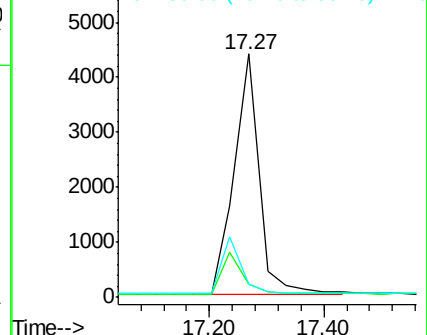
80 5.5 18.2 27.2#



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: 0.247 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

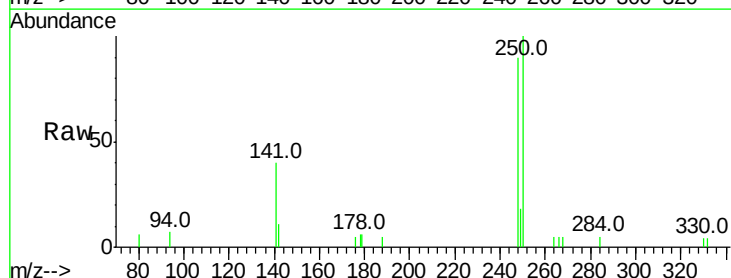
Tgt Ion:248 Resp: 2142

Ion Ratio Lower Upper

248 100

250 111.4 111.8 167.8#

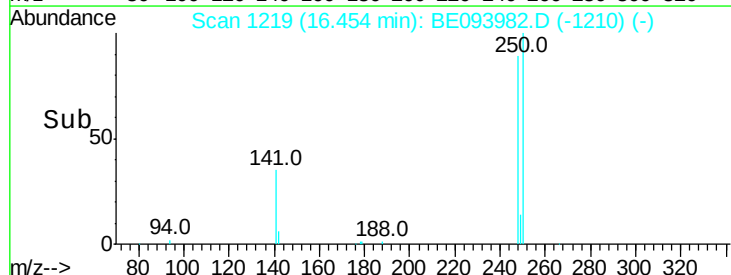
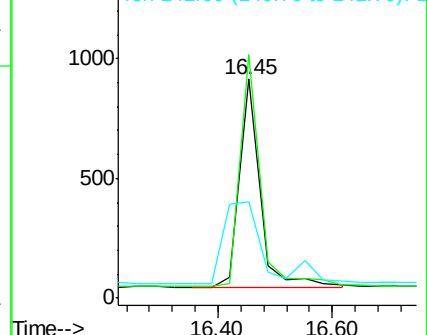
141 44.1 27.1 40.7#

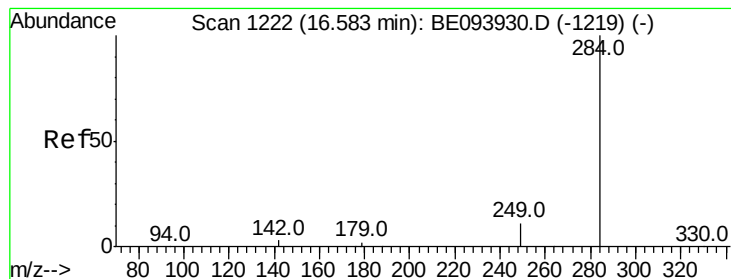


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.224 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

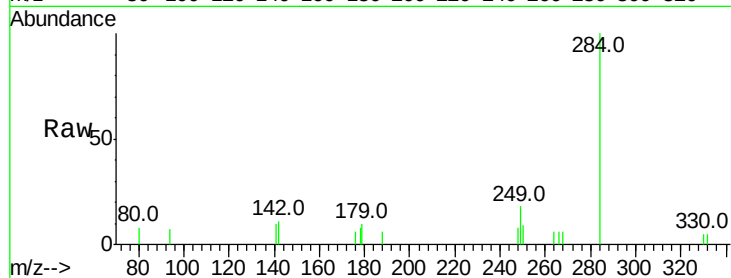
Tot Ion:284 Resp: 1748

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

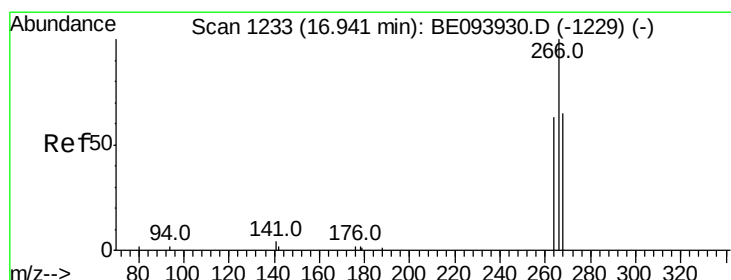
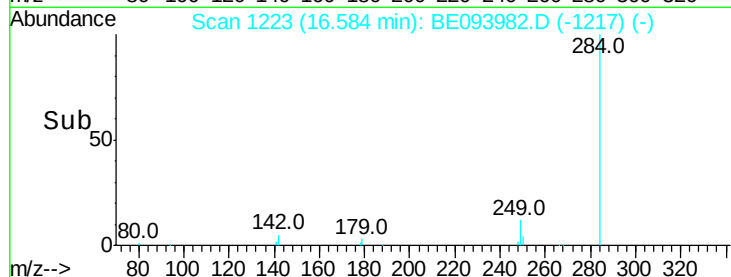
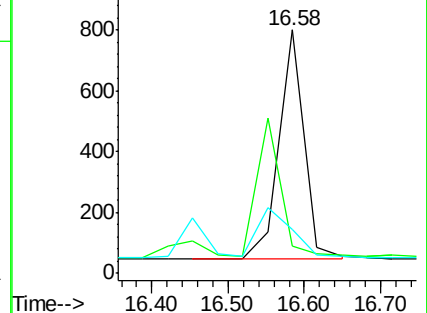
249 0.0 0.0 0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.423 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

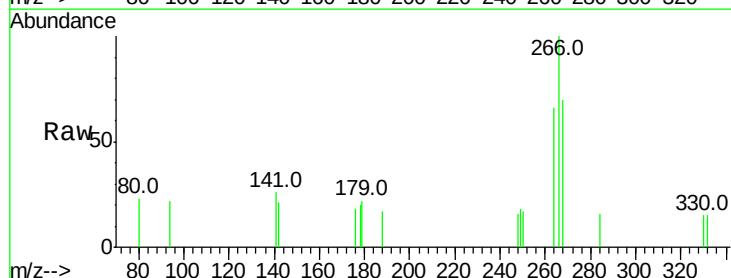
Tgt Ion:266 Resp: 888

Ion Ratio Lower Upper

266 100

264 65.9 53.5 80.3

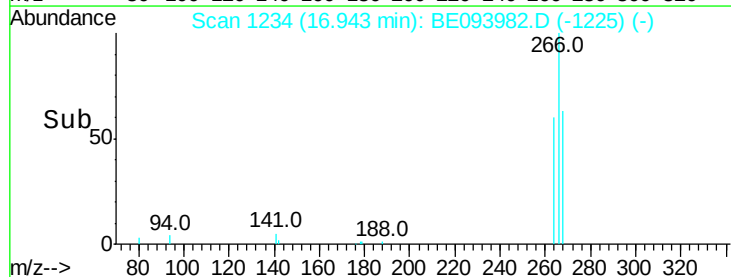
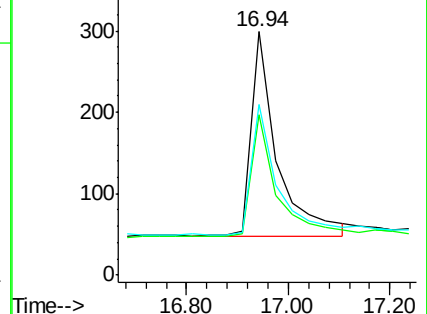
268 69.9 60.0 90.0

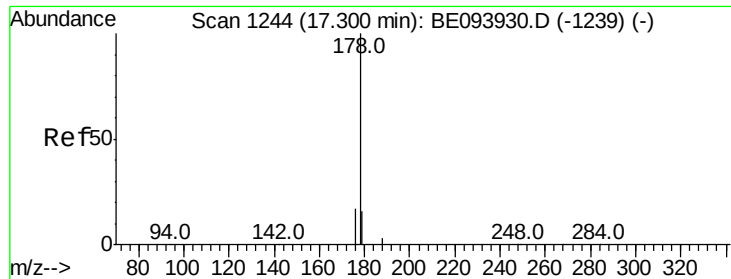


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.263 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

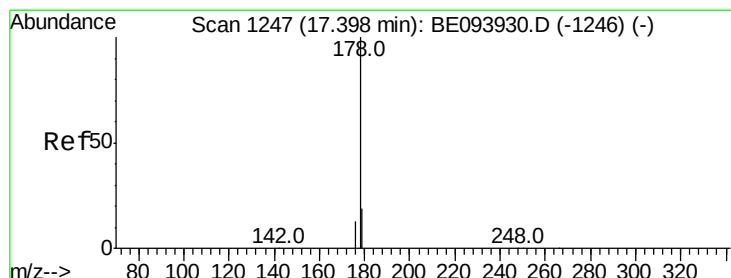
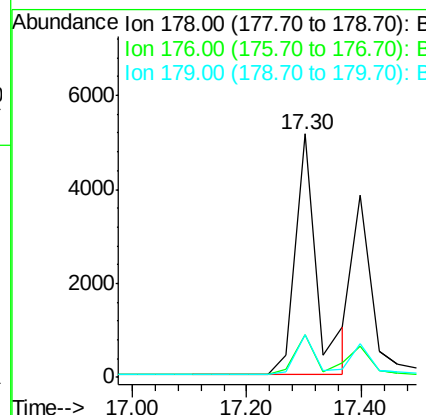
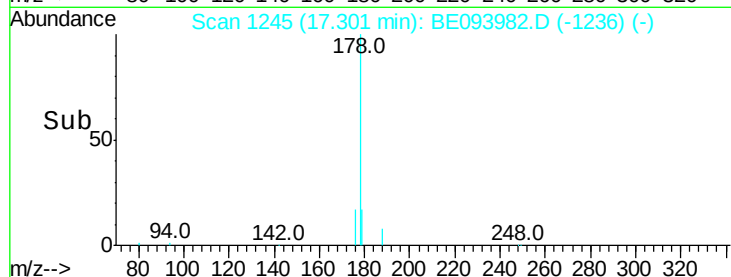
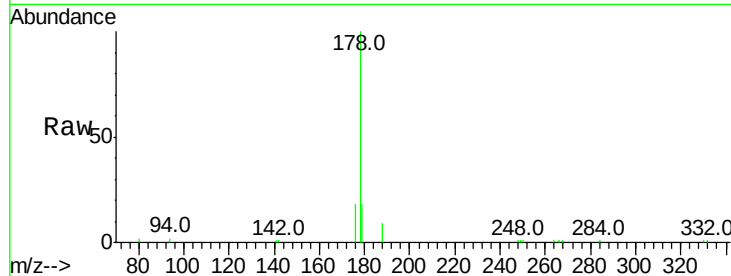
Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 13673

Ion	Ratio	Lower	Upper
178	100		
176	18.9	0.0	0.0#
179	15.6	12.6	18.8



#24

Anthracene

Concen: 0.220 ng

RT: 17.40 min Scan# 1248

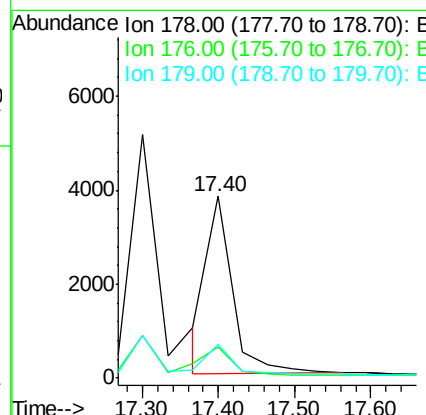
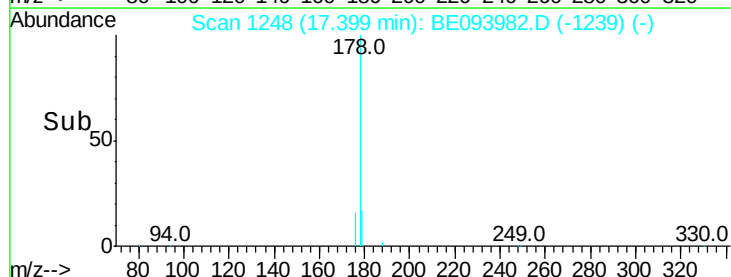
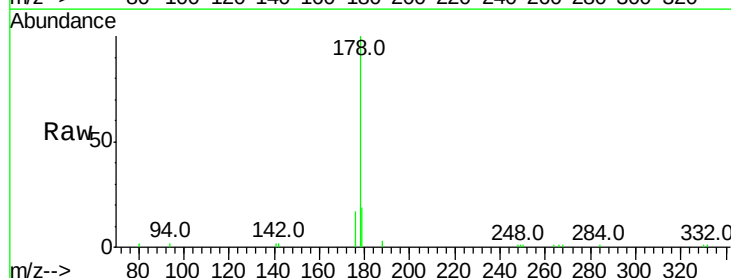
Delta R.T. 0.00 min

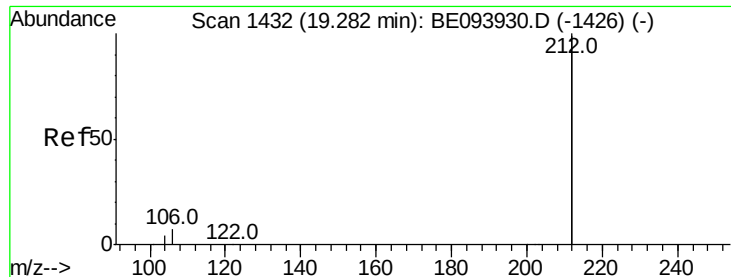
Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Tgt Ion:178 Resp: 8861

Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.0	24.0#
179	17.4	0.0	0.0#





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE093982.D

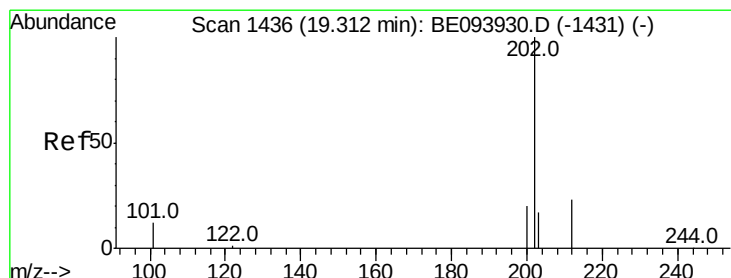
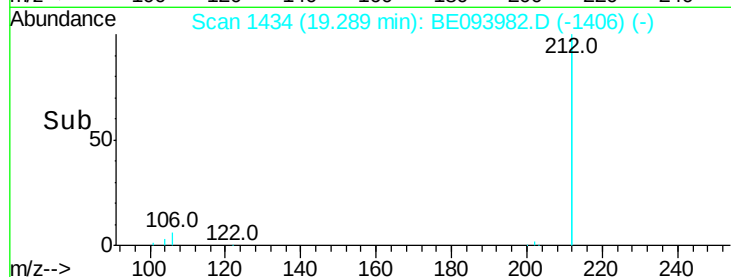
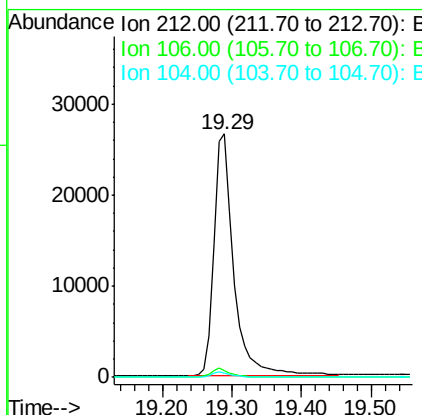
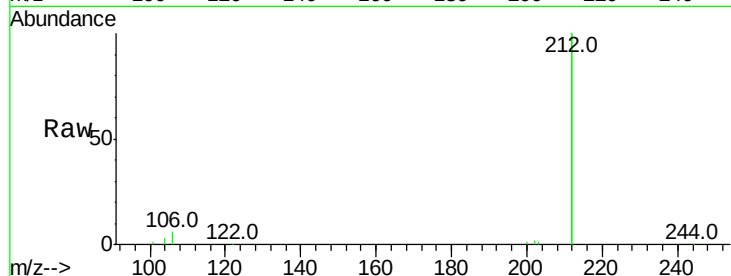
Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	52145
Ion Ratio	Lower	Upper
212	100	
106	3.4	2.7 4.1
104	1.9	1.6 2.4



#26

Fluoranthene

Concen: 0.249 ng

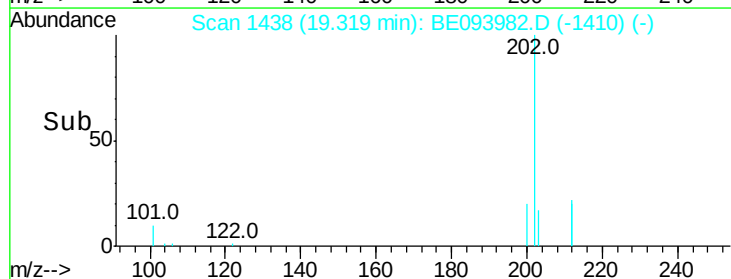
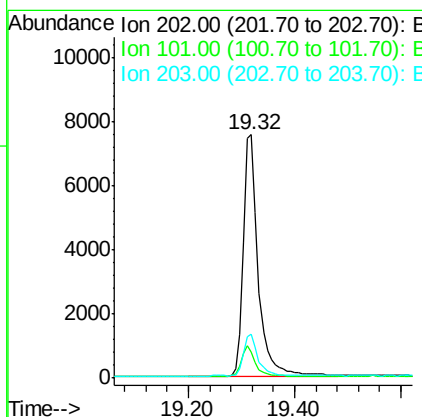
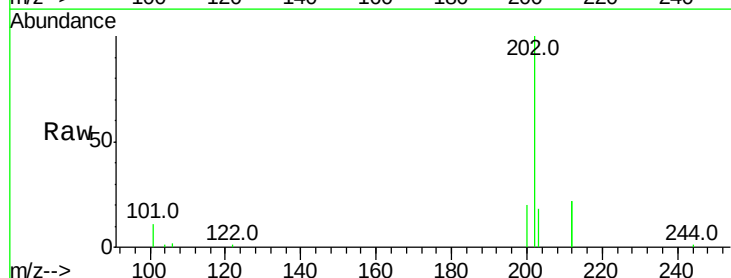
RT: 19.32 min Scan# 1438

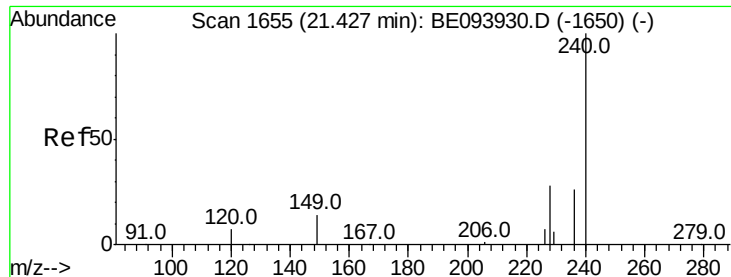
Delta R.T. 0.01 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Tgt Ion:202	Resp:	14721
Ion Ratio	Lower	Upper
202	100	
101	11.5	9.7 14.5
203	16.5	13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

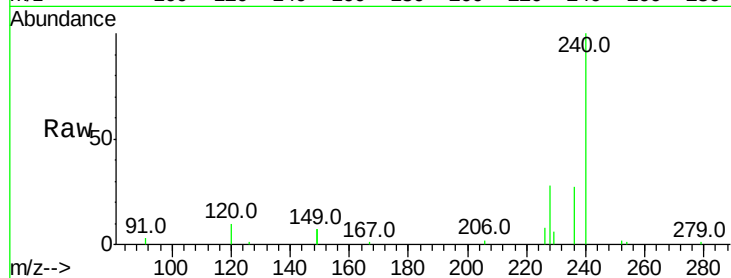
Instrument :

BNA_E

ClientSampleId :

Tot Ion:240 Resp: 18065

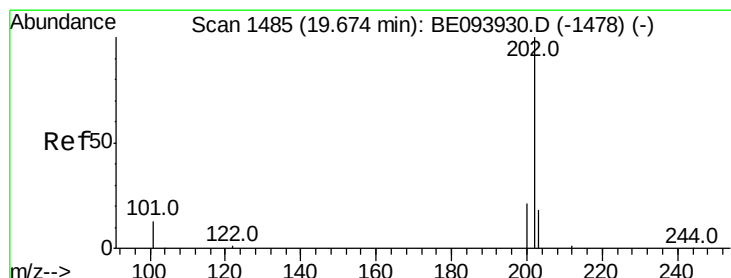
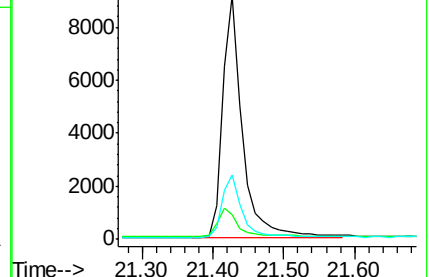
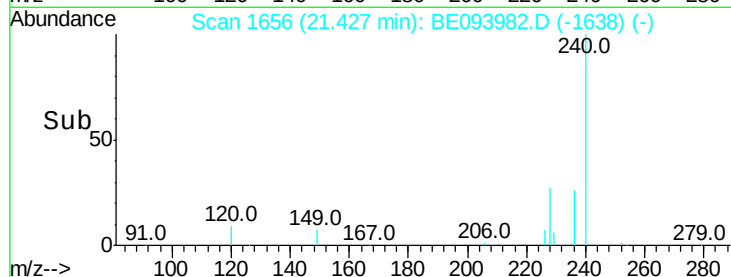
Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.7	13.1
236	26.6	21.3	31.9



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: 0.241 ng

RT: 19.67 min Scan# 1486

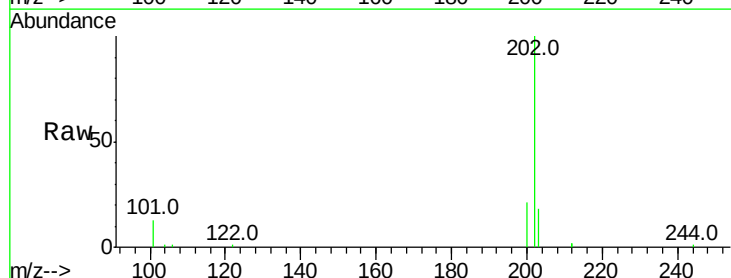
Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Tgt Ion:202 Resp: 14976

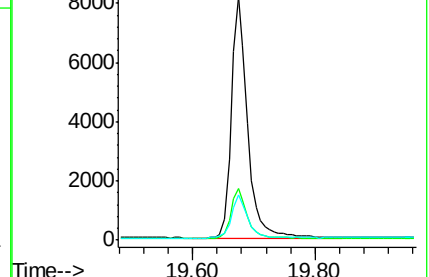
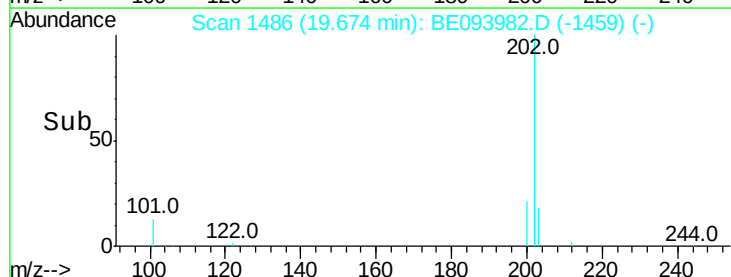
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	18.2	14.2	21.4

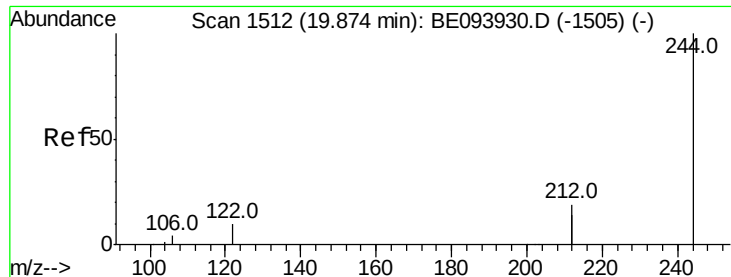


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.292 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.00 min

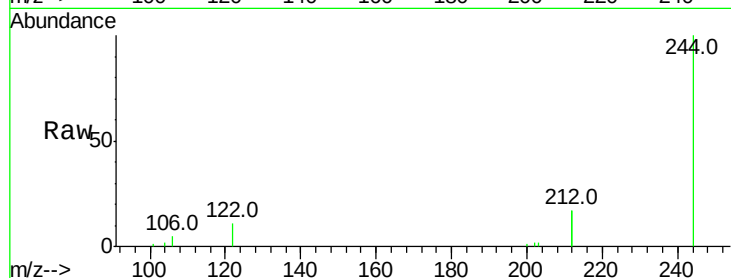
Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :



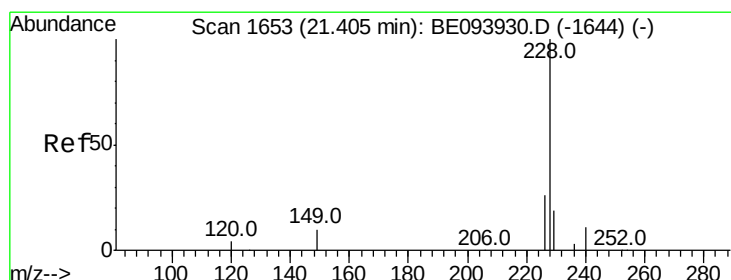
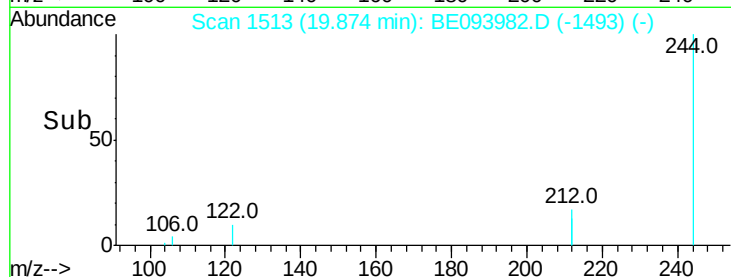
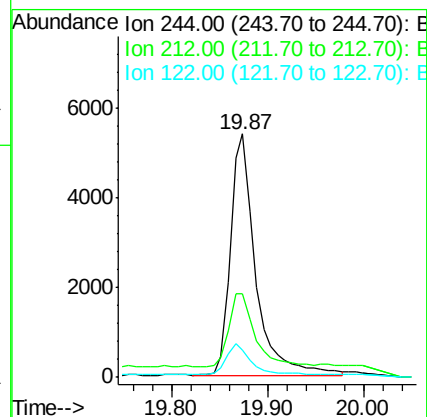
Tot Ion:244 Resp: 9715

Ion Ratio Lower Upper

244 100

212 34.3 28.3 42.5

122 11.2 9.4 14.0



#30

Benzo(a)anthracene

Concen: 0.236 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

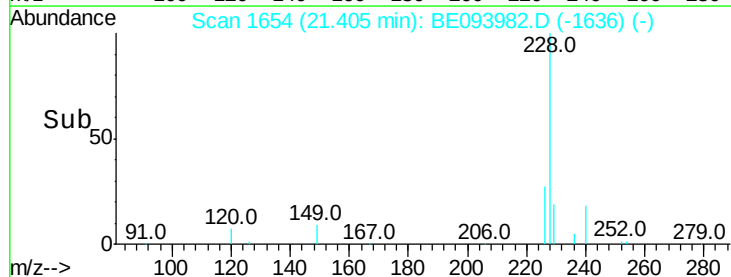
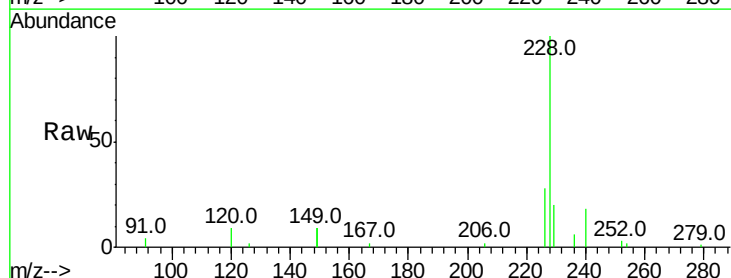
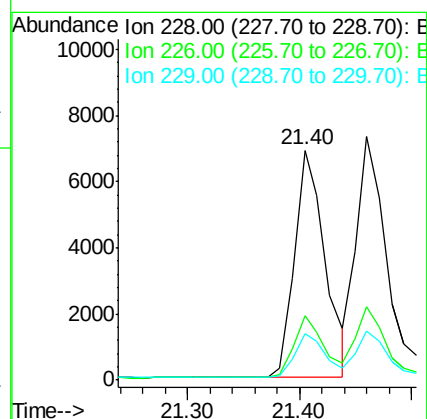
Tgt Ion:228 Resp: 13115

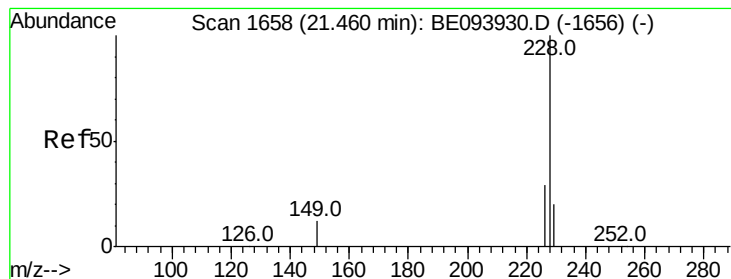
Ion Ratio Lower Upper

228 100

226 28.1 20.8 31.2

229 20.2 16.6 25.0





#31

Chrysene

Concen: 0.244 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

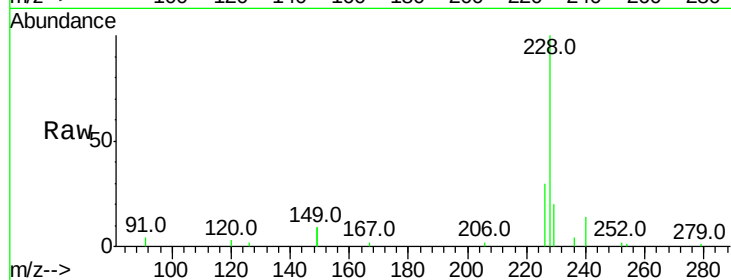
Tot Ion:228 Resp: 14304

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

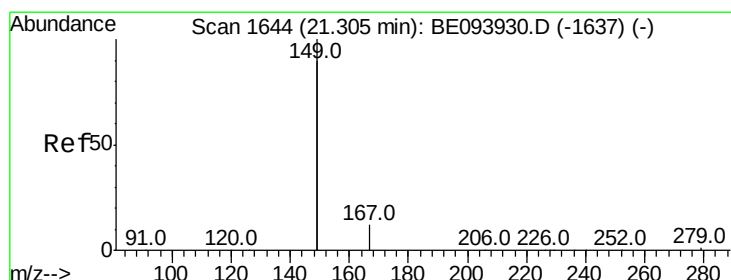
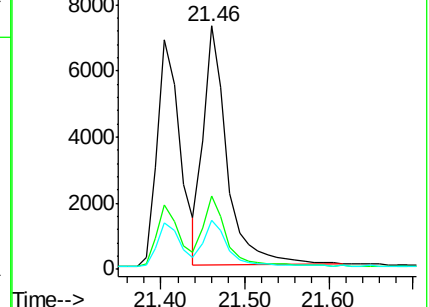
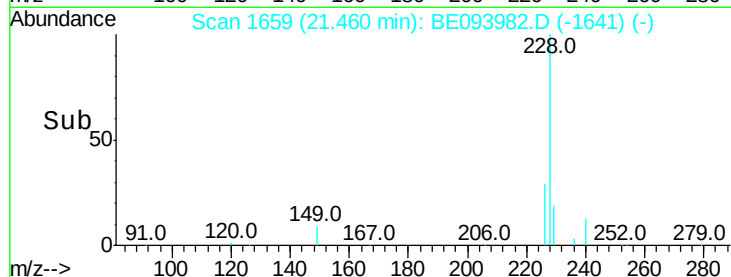
229 20.0 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.209 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

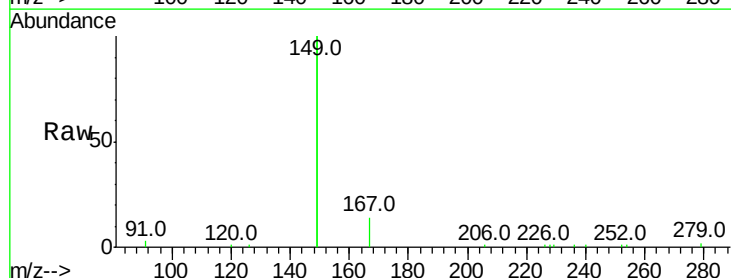
Tgt Ion:149 Resp: 28140

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

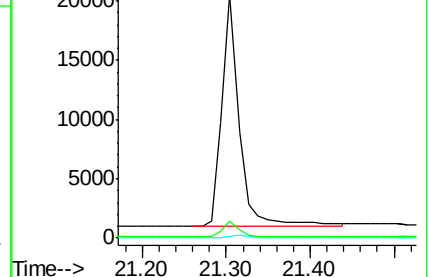
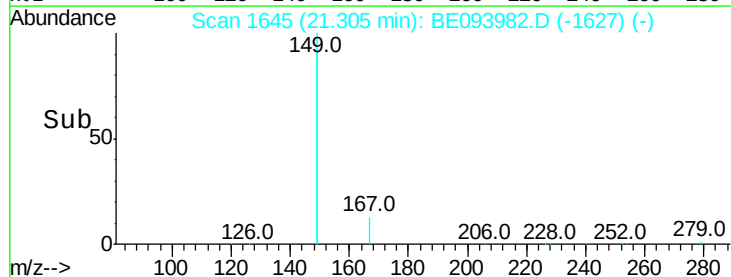
279 0.8 0.7 1.1

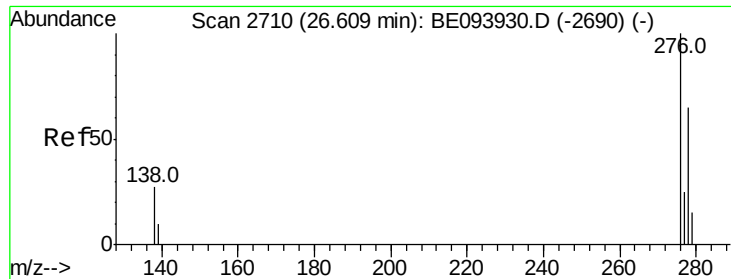


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.199 ng

RT: 26.62 min Scan# 2714

Delta R.T. 0.01 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

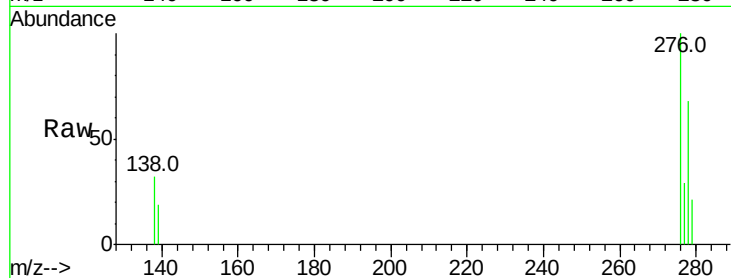
Tot Ion:276 Resp: 7806

Ion Ratio Lower Upper

276 100

138 26.7 22.2 33.2

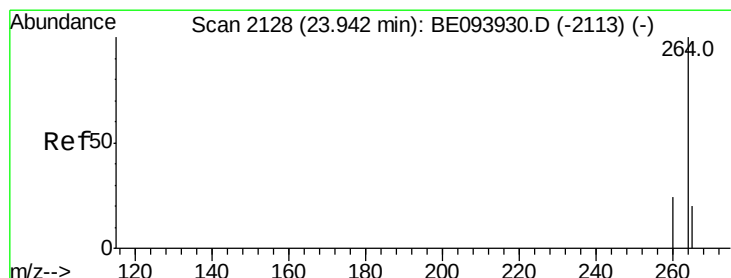
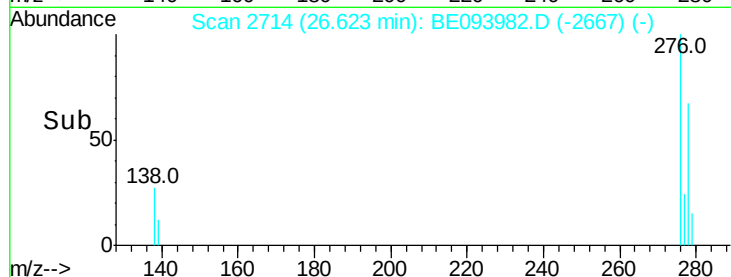
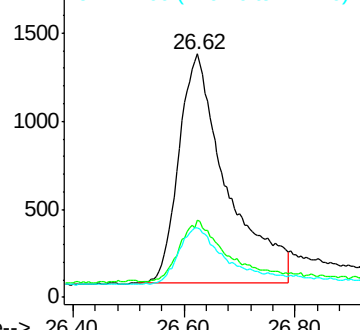
277 23.6 19.5 29.3



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: 0.400 ng

RT: 23.94 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

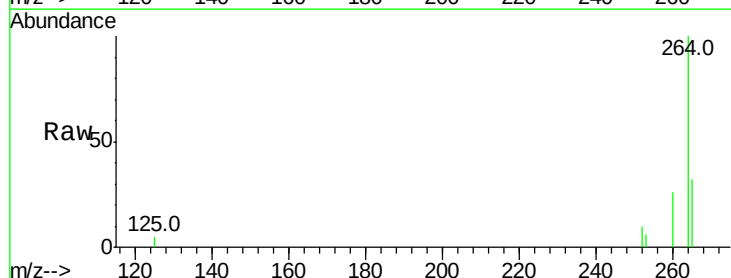
Tgt Ion:264 Resp: 13543

Ion Ratio Lower Upper

264 100

260 25.9 20.0 30.0

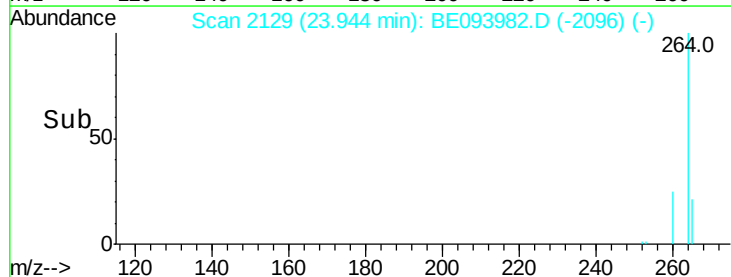
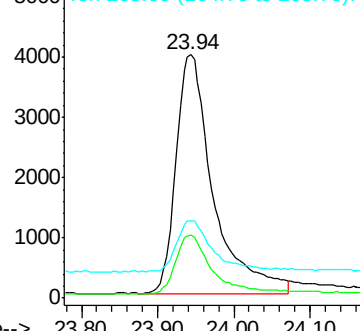
265 31.6 24.0 36.0

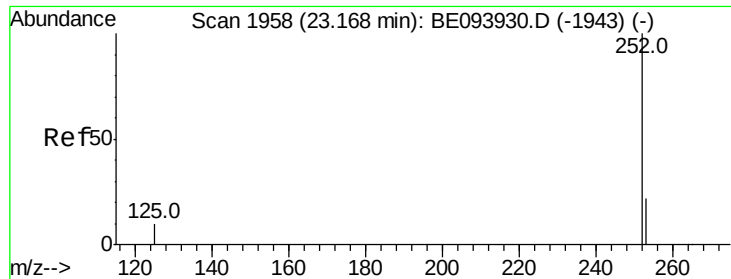


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.231 ng

RT: 23.17 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

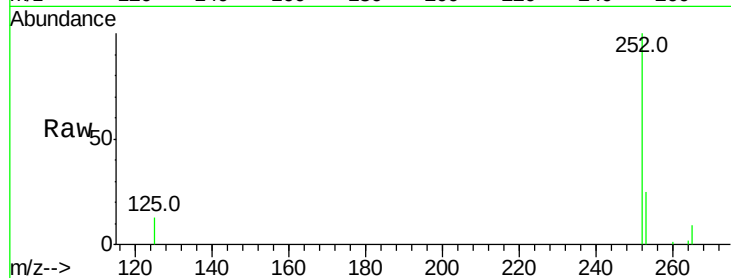
Tot Ion:252 Resp: 9967

Ion Ratio Lower Upper

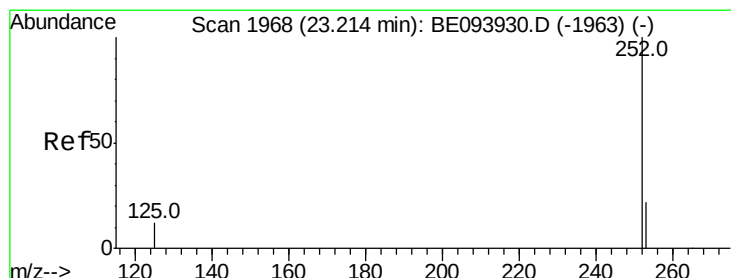
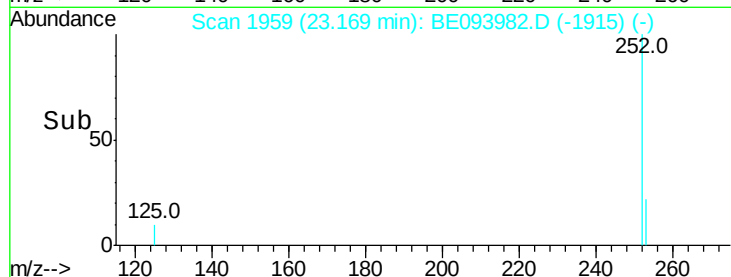
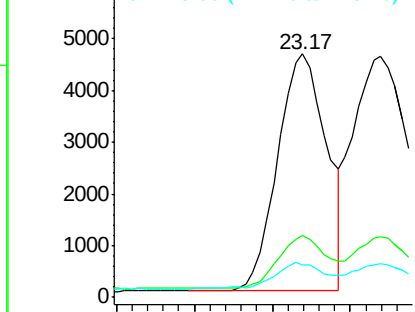
252 100

253 25.2 19.4 29.0

125 13.4 10.0 15.0



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: 0.267 ng

RT: 23.22 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

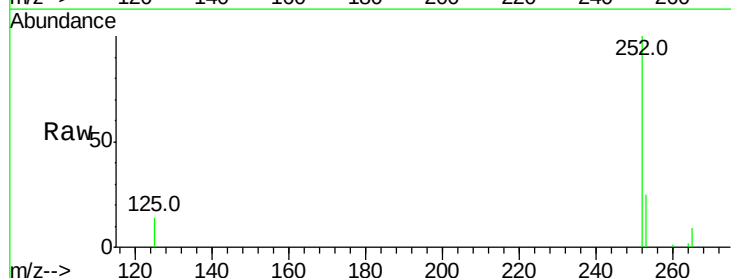
Tgt Ion:252 Resp: 14093

Ion Ratio Lower Upper

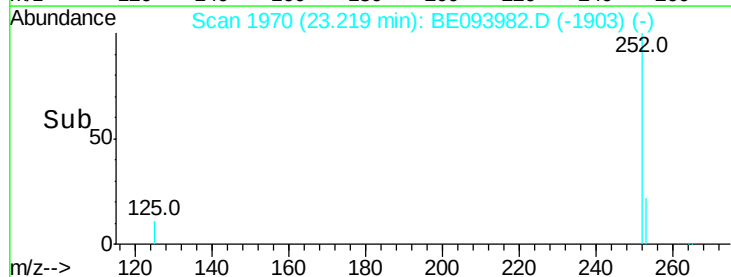
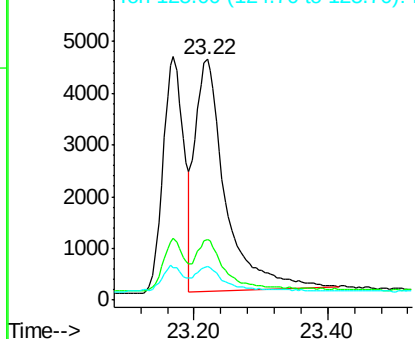
252 100

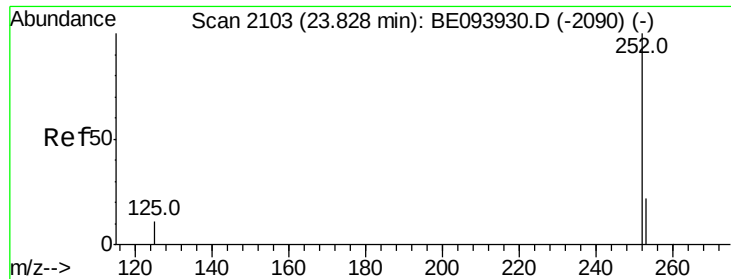
253 25.1 18.1 27.1

125 13.9 9.8 14.6



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: 0.250 ng

RT: 23.83 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :

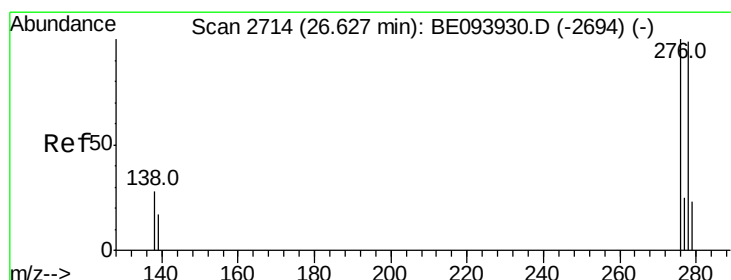
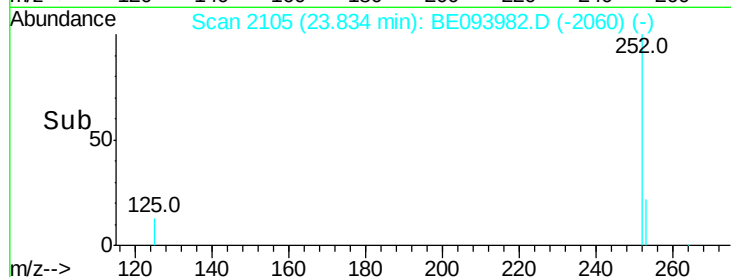
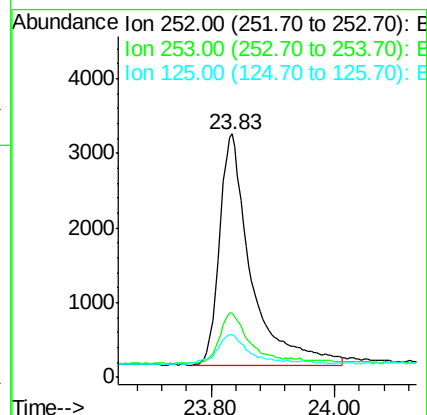
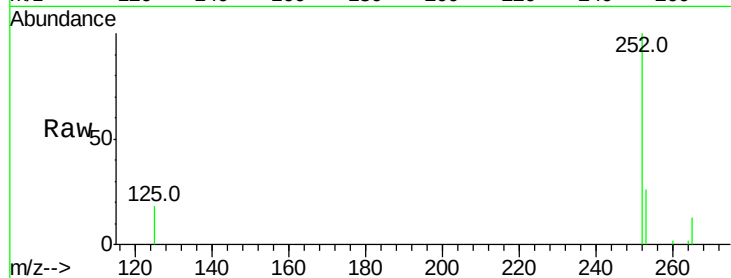
Tot Ion:252 Resp: 10966

Ion Ratio Lower Upper

252 100

253 26.4 19.6 29.4

125 17.8 11.8 17.8#



#38

Dibenzo(a,h)anthracene

Concen: 0.212 ng

RT: 26.63 min Scan# 2716

Delta R.T. 0.01 min

Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

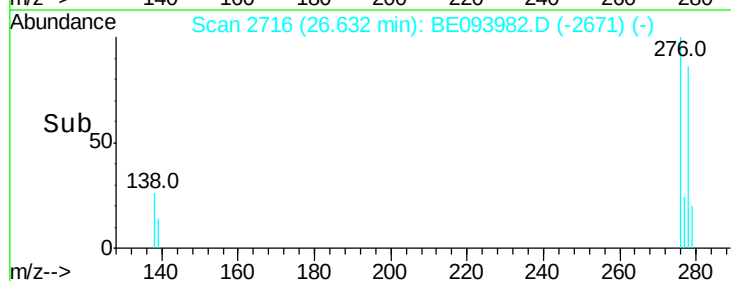
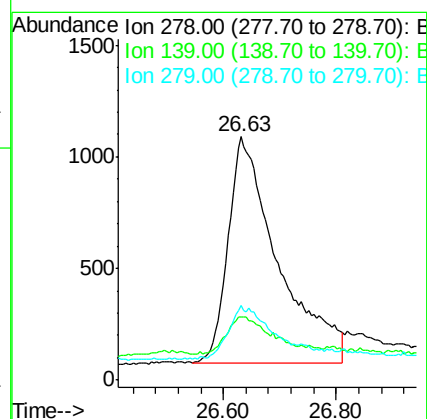
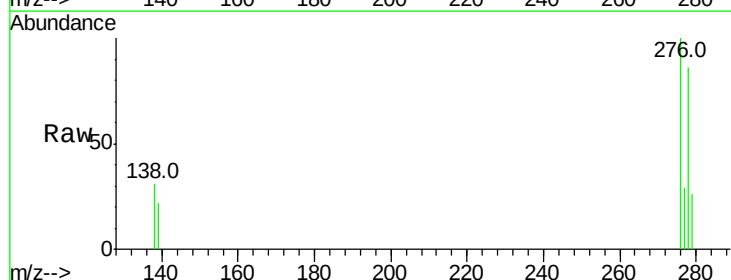
Tgt Ion:278 Resp: 6165

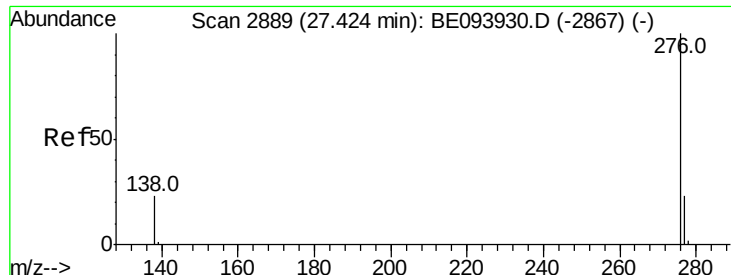
Ion Ratio Lower Upper

278 100

139 26.0 16.7 25.1#

279 30.6 21.6 32.4





#39

Benzo(a,h,i)perylene

Concen: 0.232 ng

RT: 27.43 min Scan# 2891

Delta R.T. 0.01 min

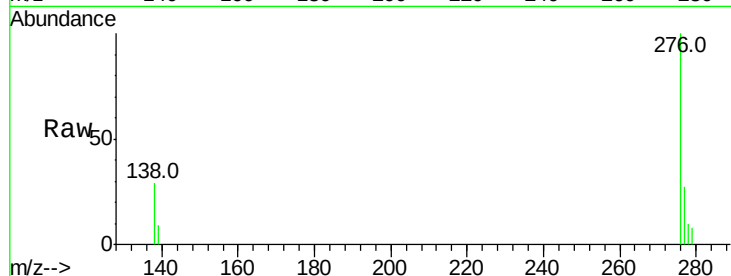
Lab File: BE093982.D

Acq: 13 Sep 2017 10:36

Instrument :

BNA_E

ClientSampleId :



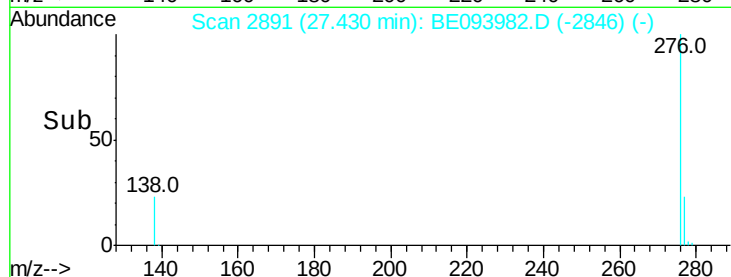
Tot Ion:276 Resp: 7113

Ion Ratio Lower Upper

276 100

277 27.4 20.6 30.8

138 29.1 21.9 32.9



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

