

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091817\
 Data File : BE094020.D
 Acq On : 18 Sep 2017 10:39
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 19 01:26:31 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	2157	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11134	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	6312	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	11529	0.40	ng	0.00
27) Chrysene-d12	21.42	240	14066	0.40	ng	-0.01
34) Perylene-d12	23.94	264	9226	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	2726	0.39	ng	-0.02
5) Phenol-d6	7.11	99	3823	0.37	ng	0.00
8) Nitrobenzene-d5	9.08	82	3581	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	7171	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	604	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	10069	0.40	ng	0.00
25) Fluoranthene-d10	19.28	212	65617	0.38	ng	0.00
29) Terphenyl-d14	19.87	244	10620	0.41	ng	0.00

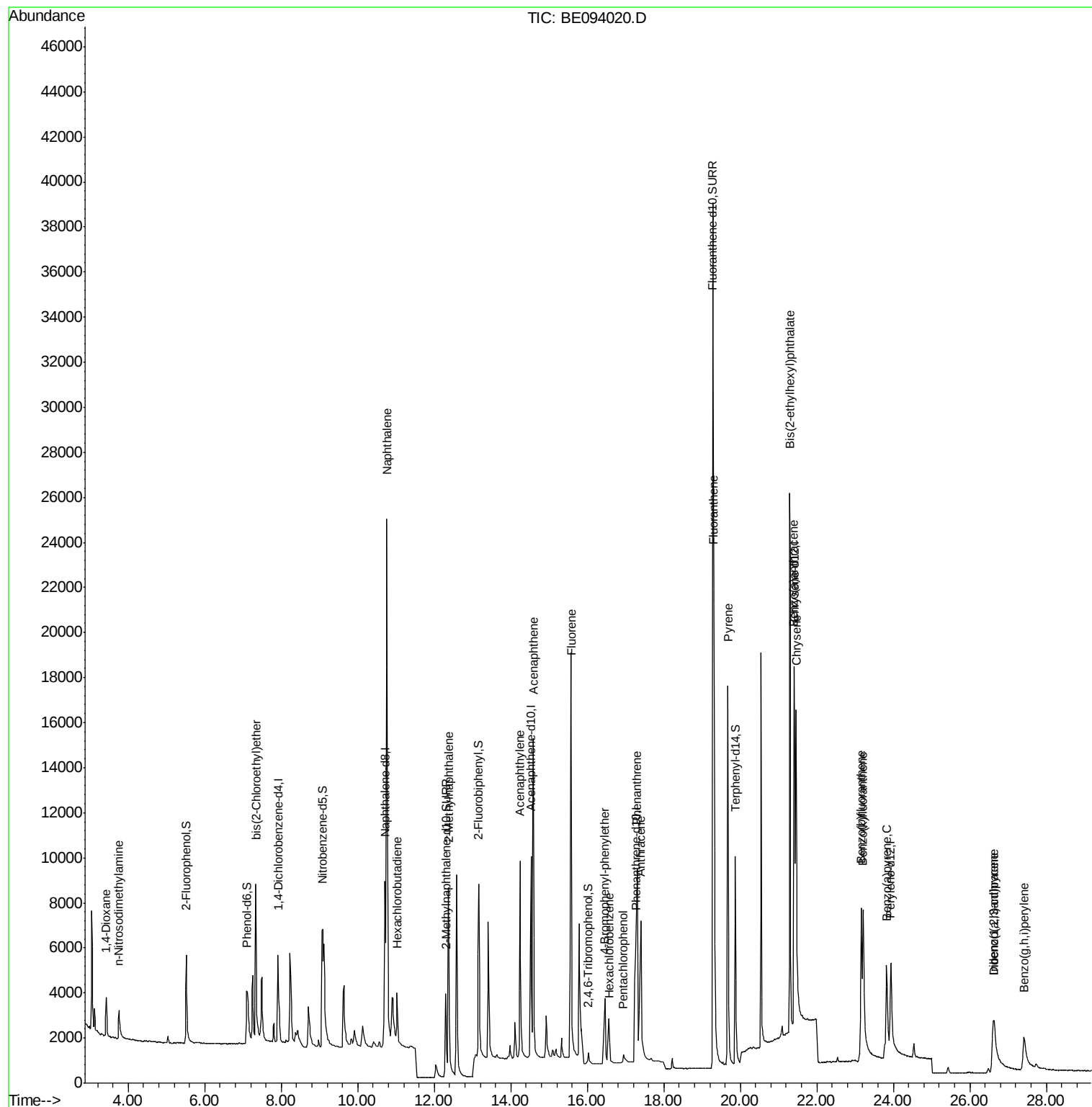
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	1386	0.466	ng	93
3) n-Nitrosodimethylamine	3.75	42	1445	0.415	ng	# 93
6) bis(2-Chloroethyl)ether	7.34	93	3448	0.403	ng	89
9) Naphthalene	10.76	128	51795	0.406	ng	100
10) Hexachlorobutadiene	11.03	225	1735	0.374	ng	97
12) 2-Methylnaphthalene	12.37	142	8473	0.400	ng	99
16) Acenaphthylene	14.24	152	11803	0.375	ng	99
17) Acenaphthene	14.58	154	8430	0.396	ng	99
18) Fluorene	15.58	166	10612	0.386	ng	100
20) 4-Bromophenyl-phenylether	16.45	248	2720	0.408	ng	# 82
21) Hexachlorobenzene	16.58	284	2149	0.316	ng	# 100
22) Pentachlorophenol	16.94	266	673	0.368	ng	95
23) Phenanthrene	17.30	178	18100	0.499	ng	# 99
24) Anthracene	17.40	178	11052	0.315	ng	# 56
26) Fluoranthene	19.31	202	19699	0.383	ng	99
28) Pyrene	19.67	202	20368	0.421	ng	100
30) Benzo(a)anthracene	21.40	228	14855	0.344	ng	100
31) Chrysene	21.46	228	19401	0.424	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	34381	0.328	ng	100
33) Indeno(1,2,3-cd)pyrene	26.61	276	6564	0.215	ng	96
35) Benzo(b)fluoranthene	23.16	252	11040	0.376	ng	99
36) Benzo(k)fluoranthene	23.21	252	16098	0.447	ng	97
37) Benzo(a)pyrene	23.82	252	11941	0.399	ng	96
38) Dibenzo(a,h)anthracene	26.64	278	5319	0.268	ng	# 87
39) Benzo(g,h,i)perylene	27.42	276	6579	0.314	ng	95

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091817\
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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 19 01:26:31 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: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampled :

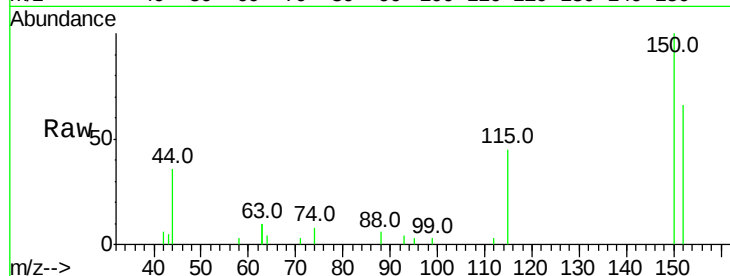
Tot Ion:152 Resp: 2157

Ion Ratio Lower Upper

152 100

150 151.6 121.8 182.6

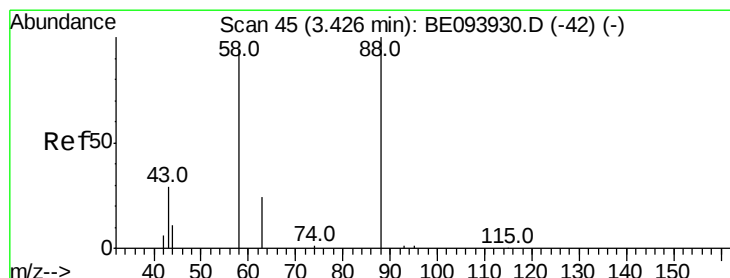
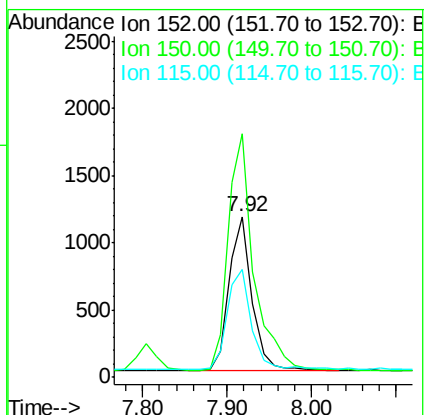
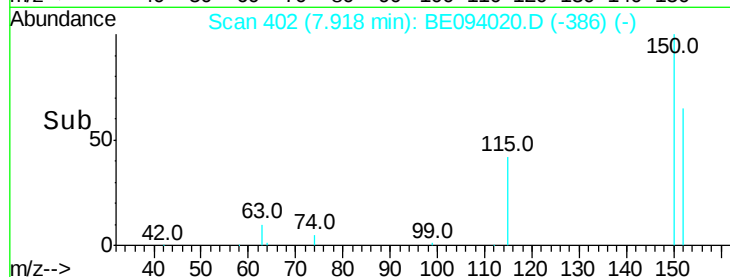
115 67.5 52.6 79.0



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: 0.466 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

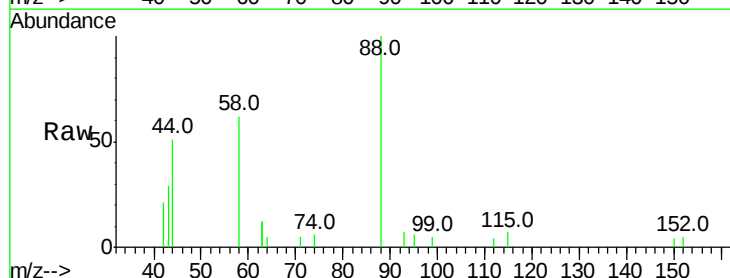
Tgt Ion: 88 Resp: 1386

Ion Ratio Lower Upper

88 100

58 74.5 65.4 98.0

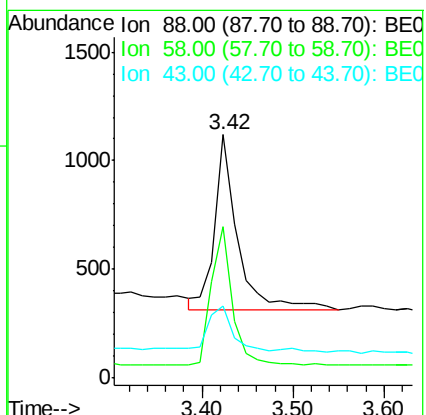
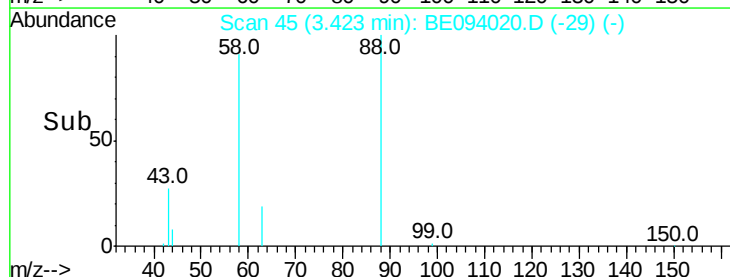
43 28.3 23.9 35.9



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



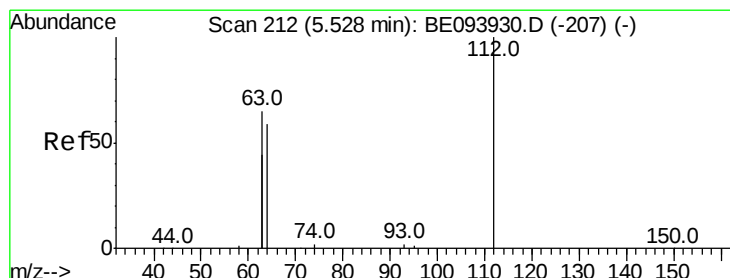
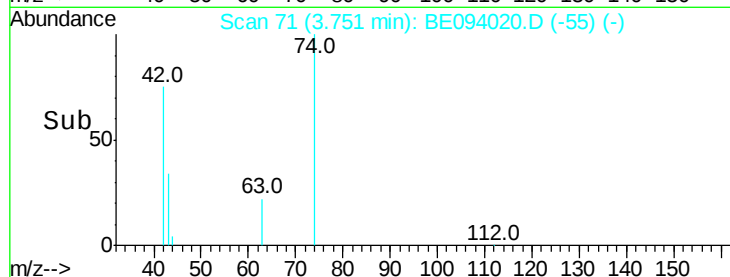
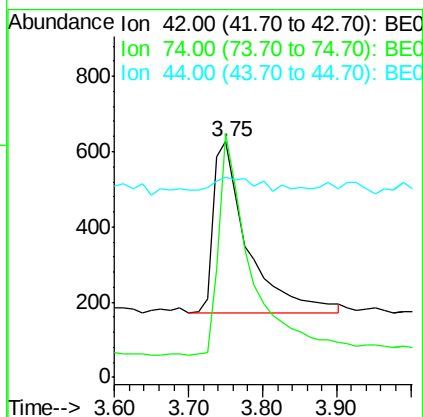
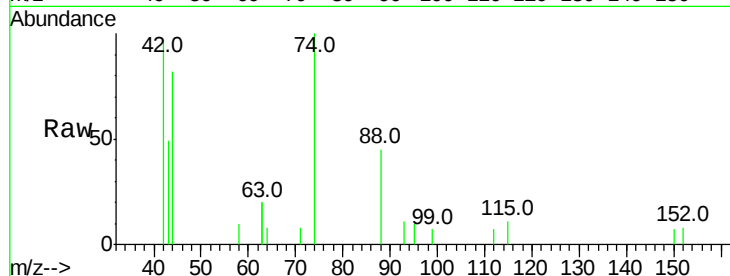


#3

n-Nitrosodimethylamine
 Concen: 0.415 ng
 RT: 3.75 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: BE094020.D
 Acq: 18 Sep 2017 10:39

Instrument :
 BNA_E
 ClientSampled :

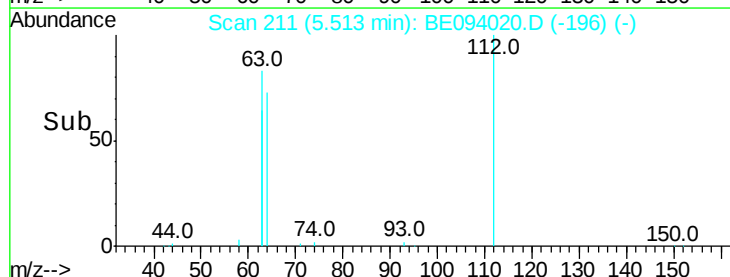
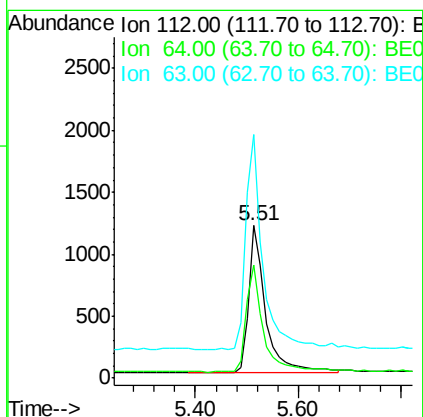
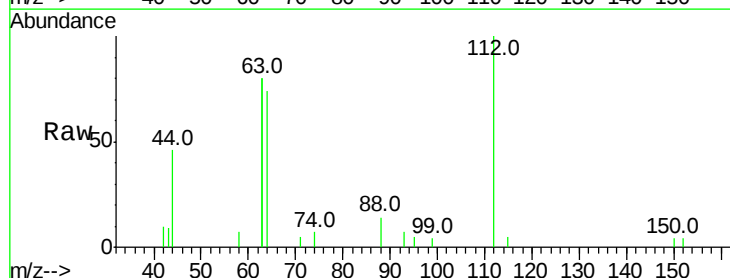
Tot Ion: 42 Resp: 1445
 Ion Ratio Lower Upper
 42 100
 74 121.9 104.0 156.0
 44 12.9 13.8 20.8#

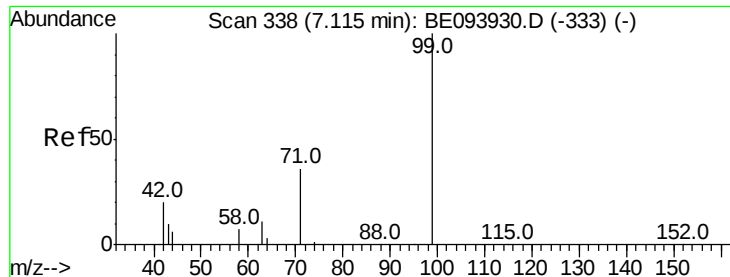


#4

2-Fluorophenol
 Concen: 0.391 ng
 RT: 5.51 min Scan# 211
 Delta R.T. -0.02 min
 Lab File: BE094020.D
 Acq: 18 Sep 2017 10:39

Tgt Ion: 112 Resp: 2726
 Ion Ratio Lower Upper
 112 100
 64 75.1 57.7 86.5
 63 150.0 116.0 174.0





#5

Phenol-d6

Concen: 0.365 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampled :

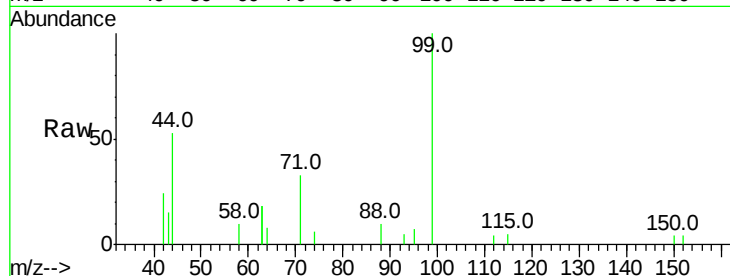
Tot Ion: 99 Resp: 3823

Ion Ratio Lower Upper

99 100

42 22.3 17.1 25.7

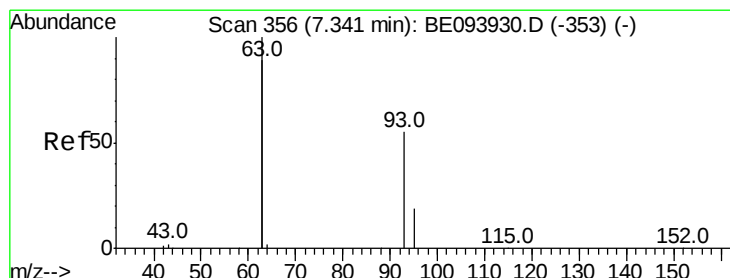
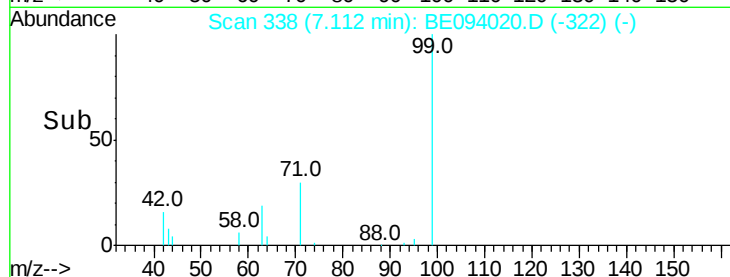
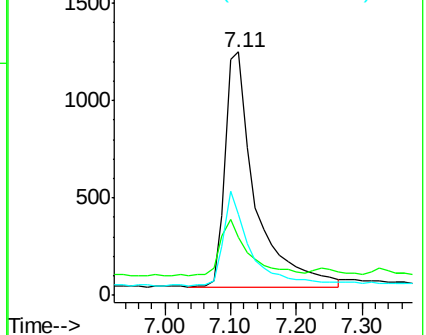
71 35.5 26.6 39.8



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: 0.403 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

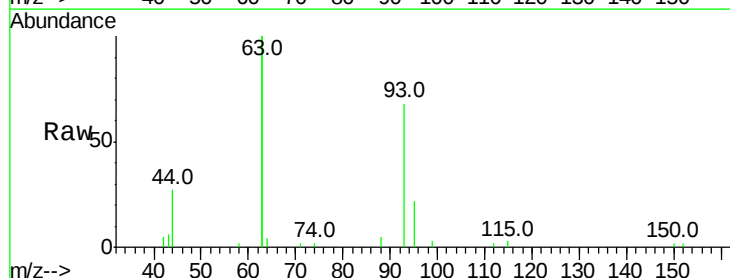
Tgt Ion: 93 Resp: 3448

Ion Ratio Lower Upper

93 100

63 329.8 283.4 425.2

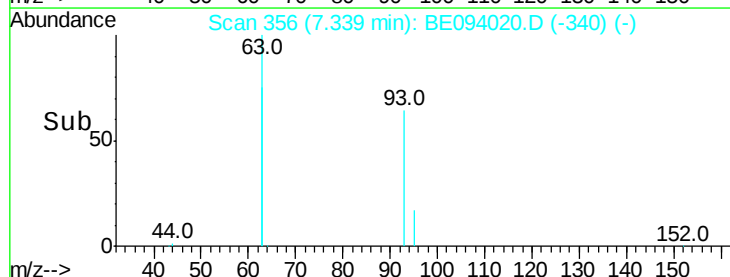
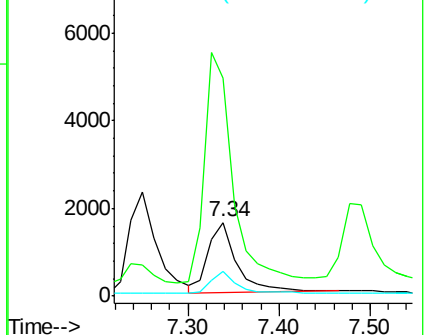
95 30.1 26.9 40.3

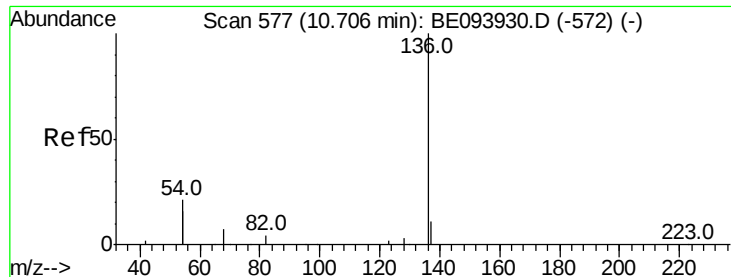


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094020.D

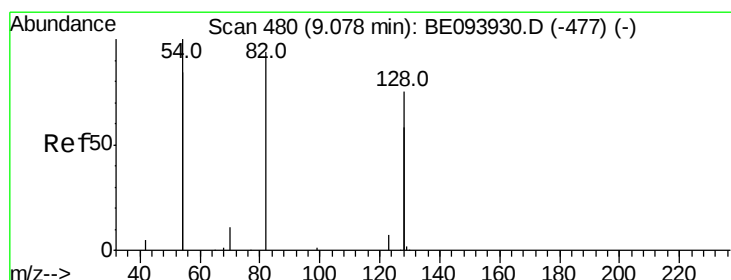
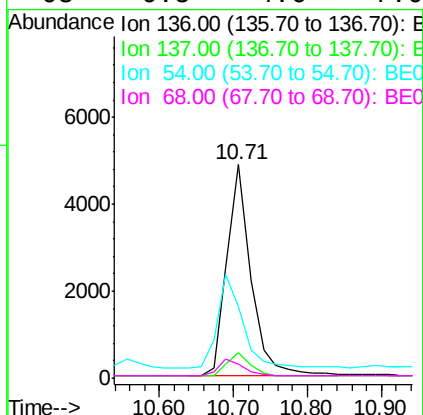
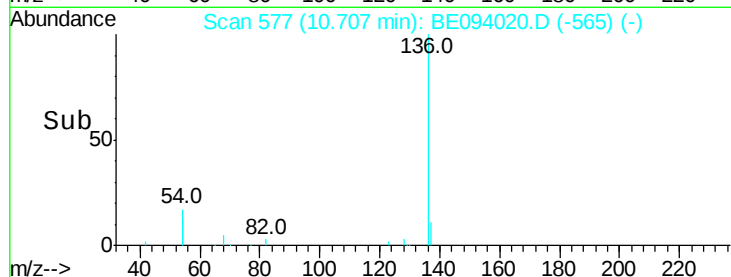
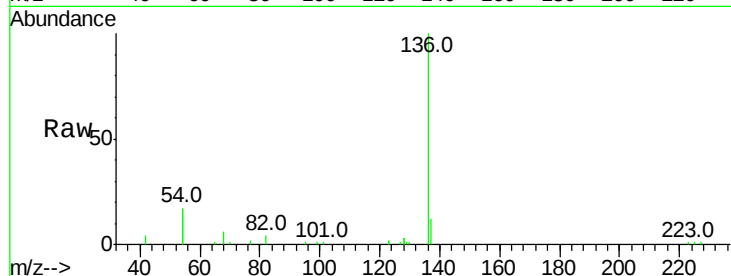
Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	11134
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.2 13.8
54	33.3	21.9 32.9#
68	6.5	4.6 7.0



#8

Nitrobenzene-d5

Concen: 0.380 ng

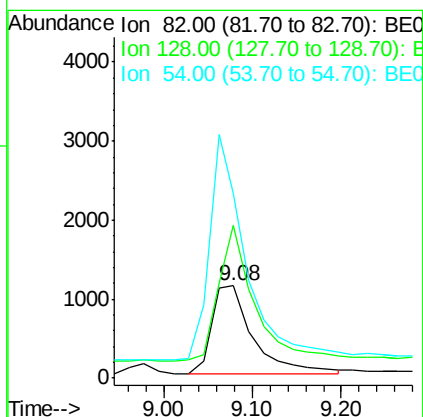
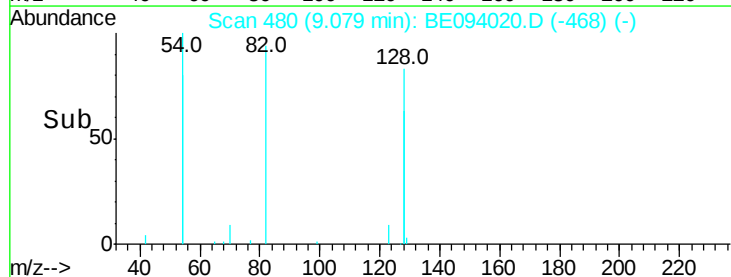
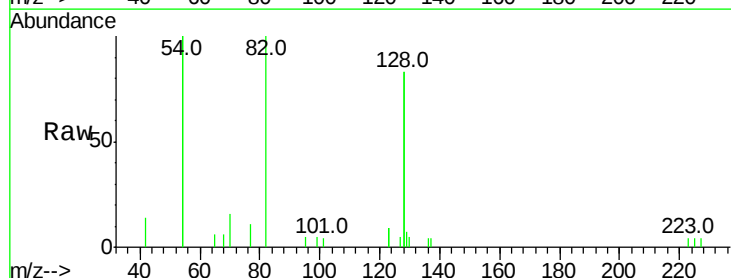
RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Tgt Ion: 82	Resp:	3581
Ion Ratio	Lower	Upper
82	100	
128	166.2	91.4 137.0#
54	200.9	197.8 296.8





#9

Naphthalene

Concen: 0.406 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

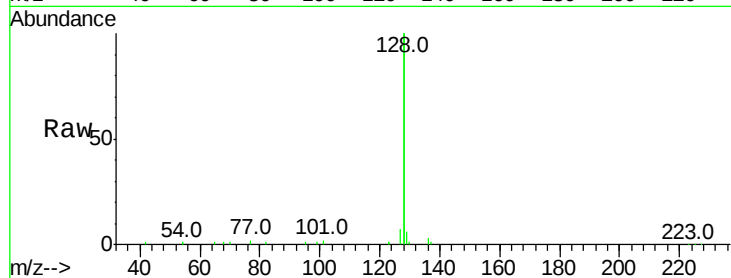
Tot Ion:128 Resp: 51795

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

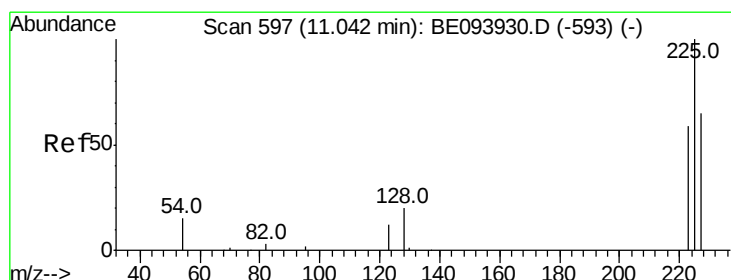
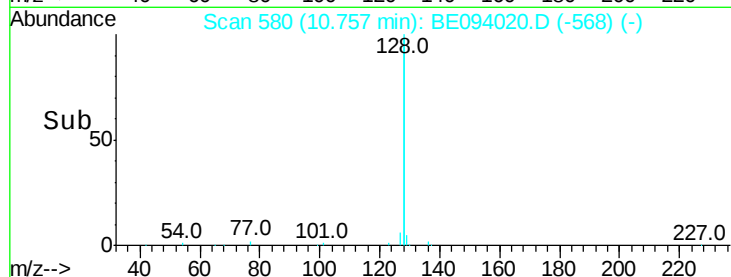
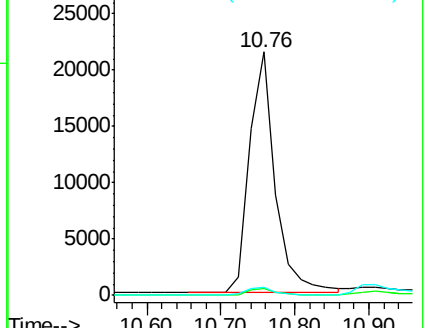
127 3.3 2.6 4.0



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: 0.374 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

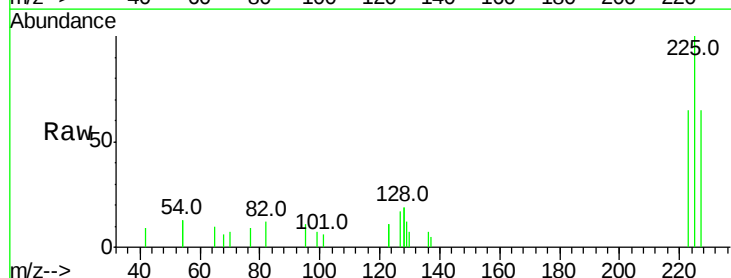
Tgt Ion:225 Resp: 1735

Ion Ratio Lower Upper

225 100

223 63.9 49.4 74.0

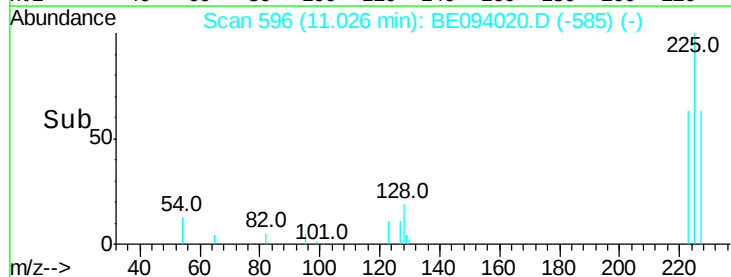
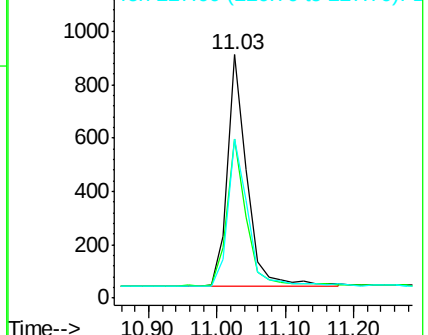
227 64.9 50.5 75.7



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: 0.403 ng

RT: 12.30 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

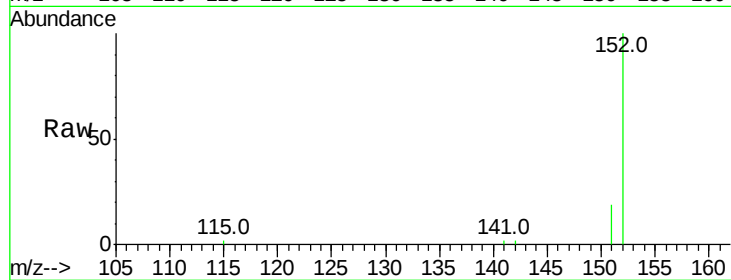
ClientSampleId :

Tot Ion:152 Resp: 7171

Ion Ratio Lower Upper

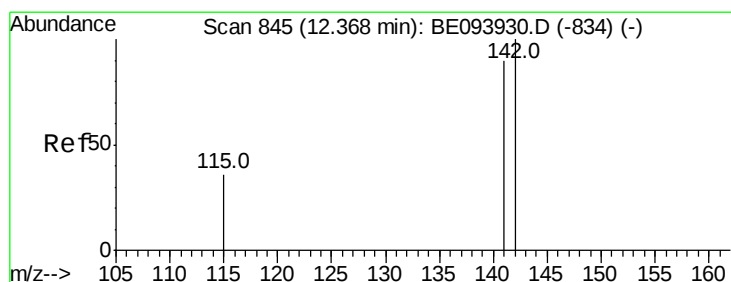
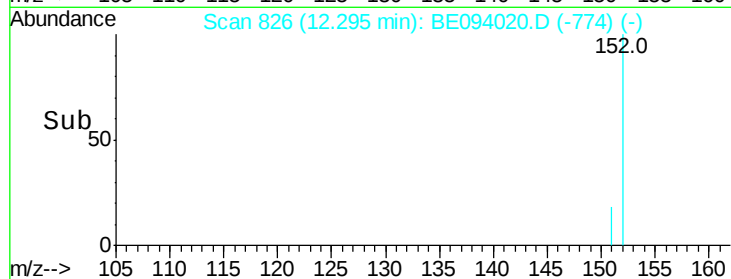
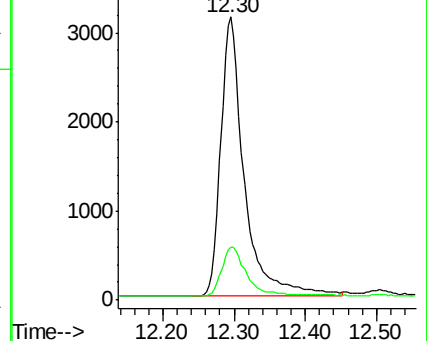
152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 12.37 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

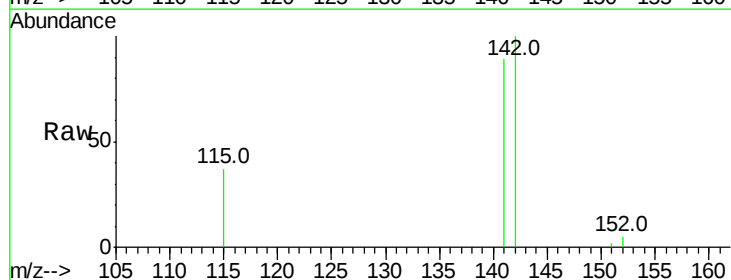
Tgt Ion:142 Resp: 8473

Ion Ratio Lower Upper

142 100

141 88.9 71.4 107.2

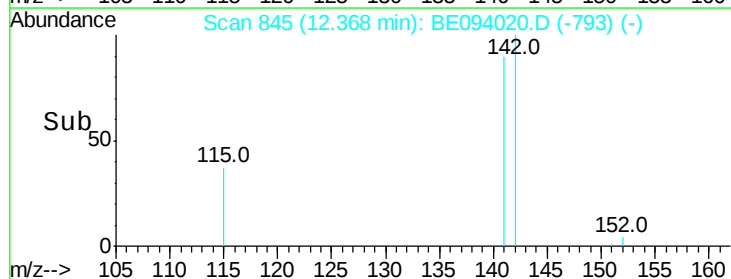
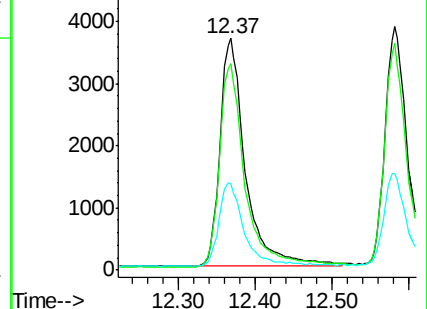
115 37.4 29.4 44.0



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

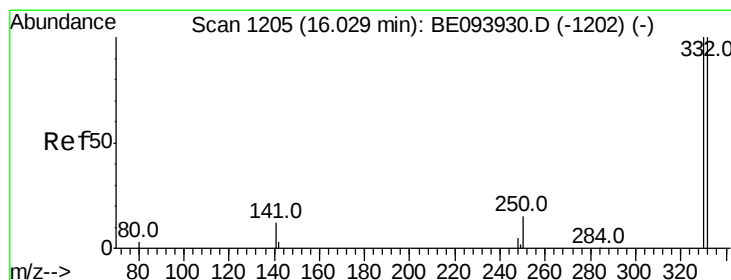
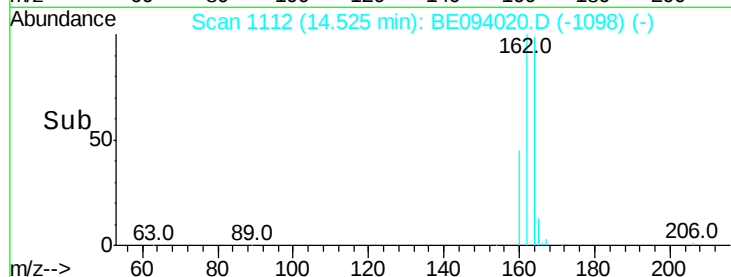
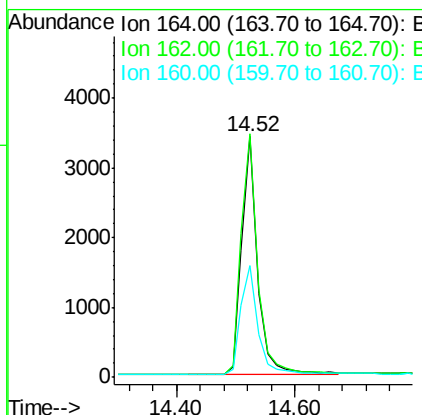
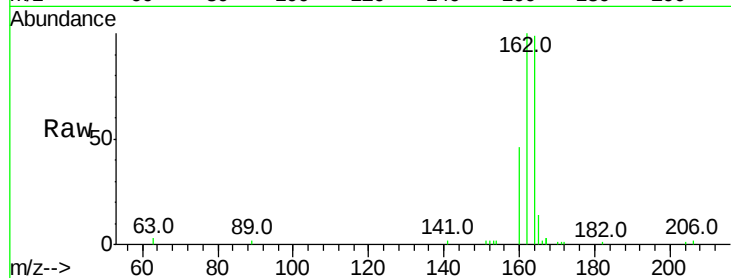




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE094020.D
 Acq: 18 Sep 2017 10:39

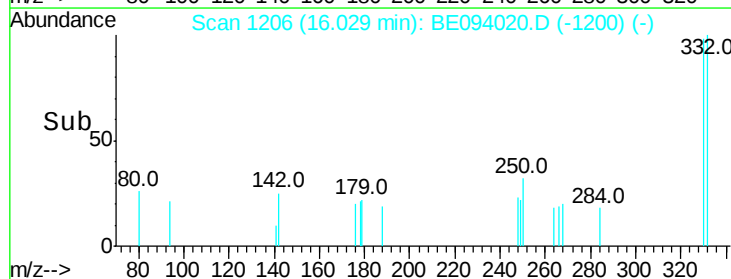
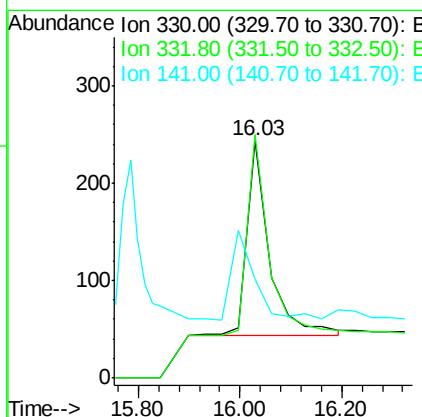
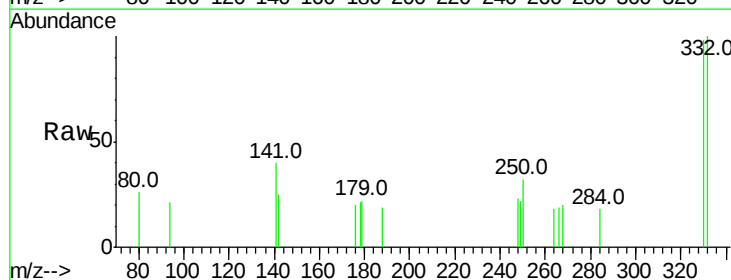
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 6312
 Ion Ratio Lower Upper
 164 100
 162 101.2 80.8 121.2
 160 46.4 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.309 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE094020.D
 Acq: 18 Sep 2017 10:39

Tgt Ion:330 Resp: 604
 Ion Ratio Lower Upper
 330 100
 332 99.3 76.9 115.3
 141 0.0 0.0 0.0

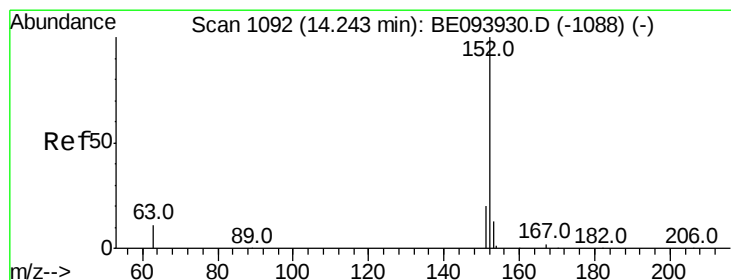
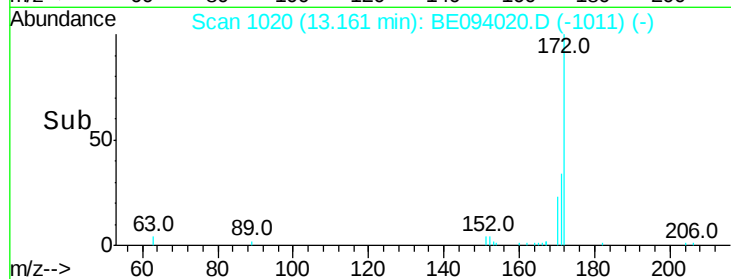
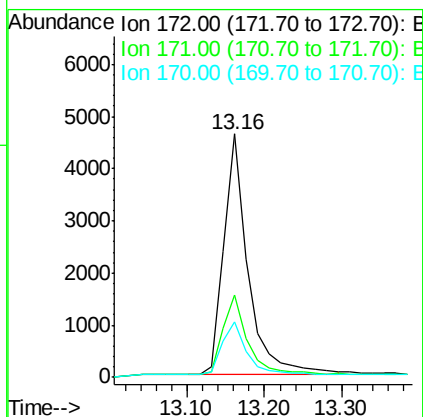
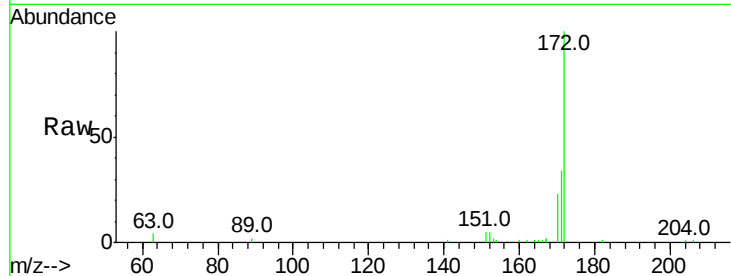




#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE094020.D
Acq: 18 Sep 2017 10:39

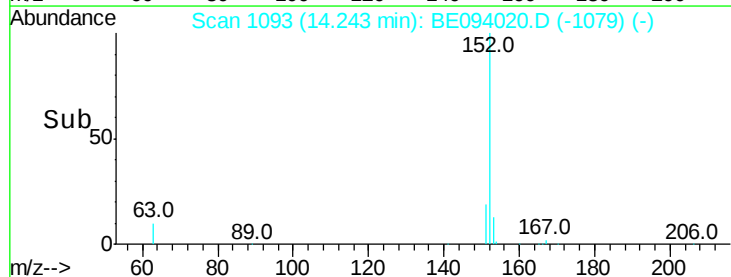
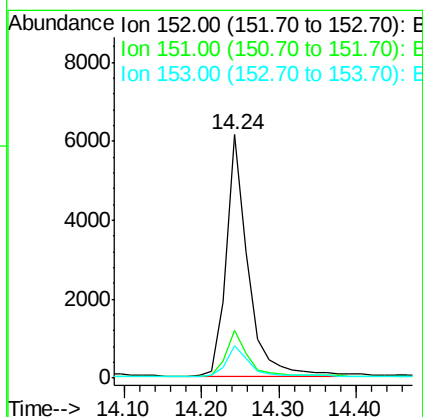
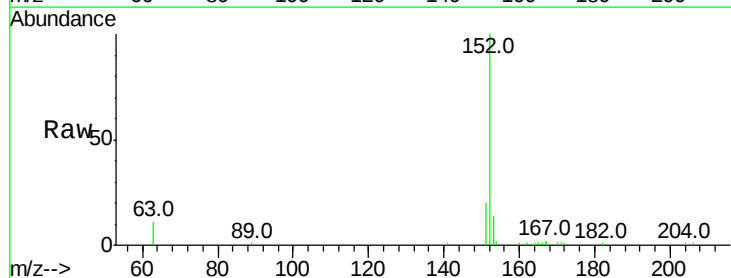
Instrument :
BNA_E
ClientSampleId :

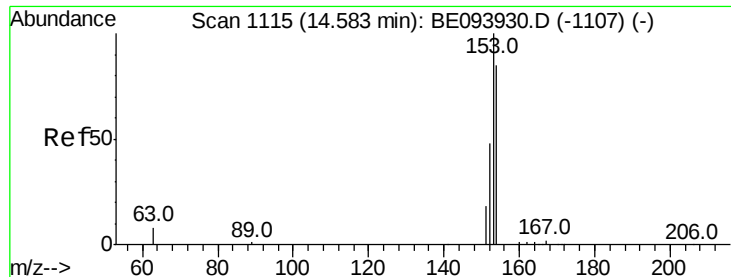
Tot Ion:172 Resp: 10069
Ion Ratio Lower Upper
172 100
171 33.8 26.9 40.3
170 22.5 17.3 25.9



#16
Acenaphthylene
Concen: 0.375 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094020.D
Acq: 18 Sep 2017 10:39

Tgt Ion:152 Resp: 11803
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 12.9 10.6 16.0





#17

Acenaphthene

Concen: 0.396 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

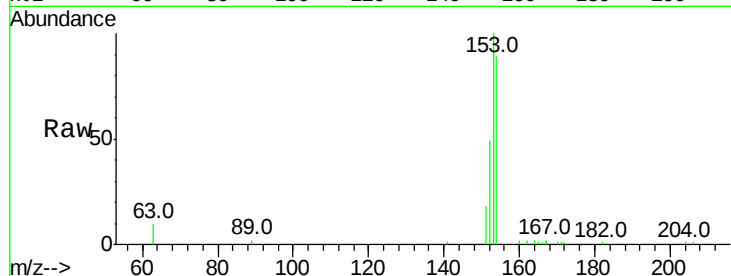
Tot Ion:154 Resp: 8430

Ion Ratio Lower Upper

154 100

153 114.7 91.8 137.6

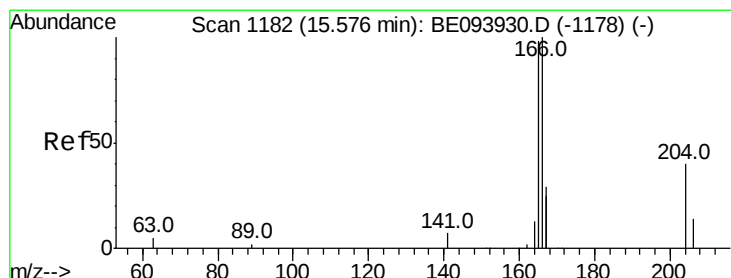
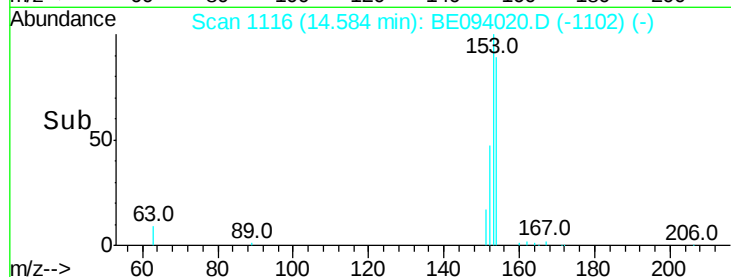
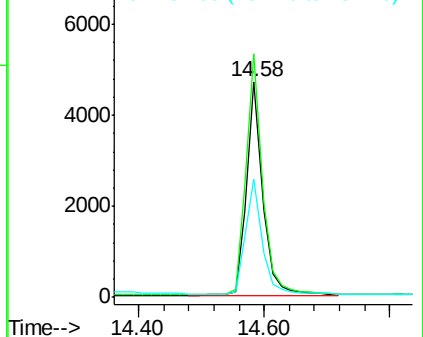
152 54.7 44.9 67.3



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: 0.386 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

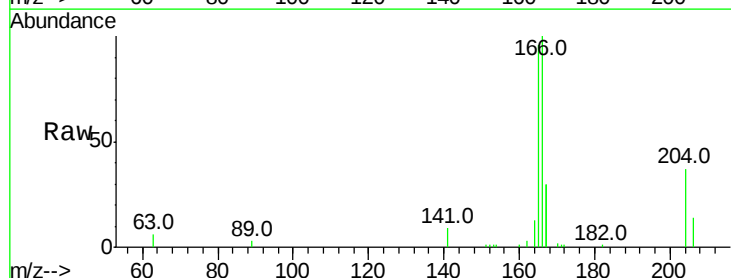
Tgt Ion:166 Resp: 10612

Ion Ratio Lower Upper

166 100

165 99.3 79.4 119.0

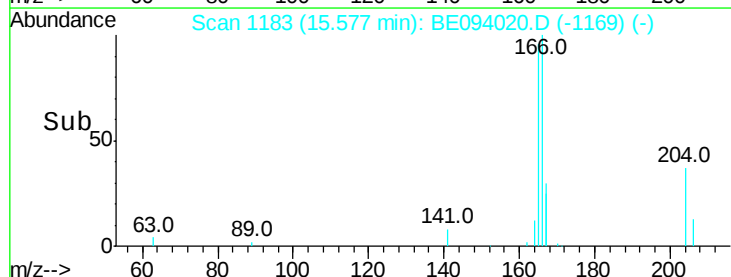
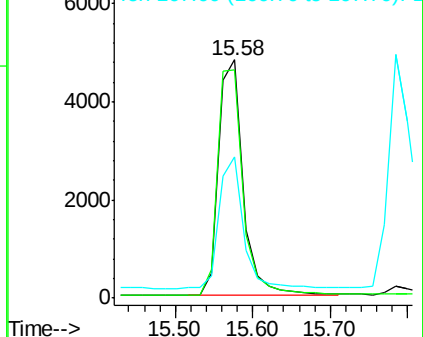
167 54.5 43.5 65.3

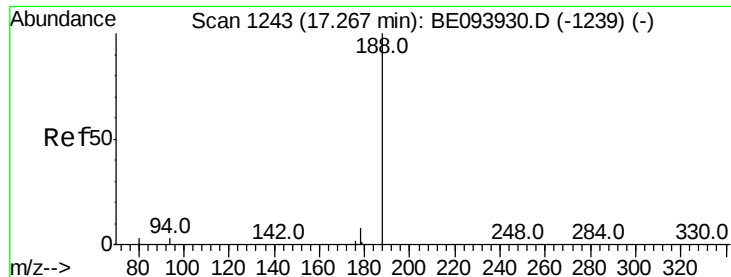


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

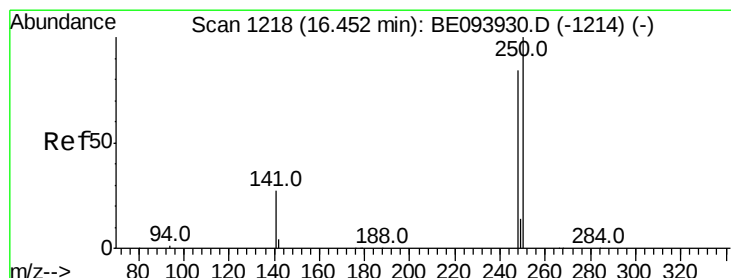
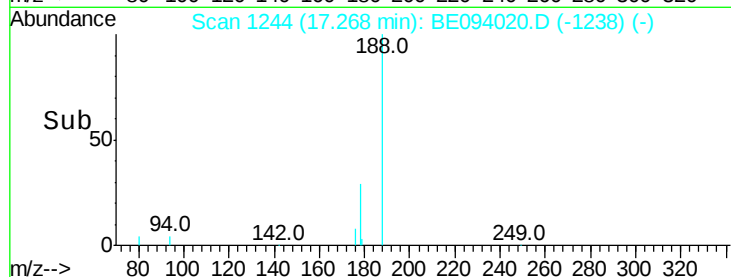
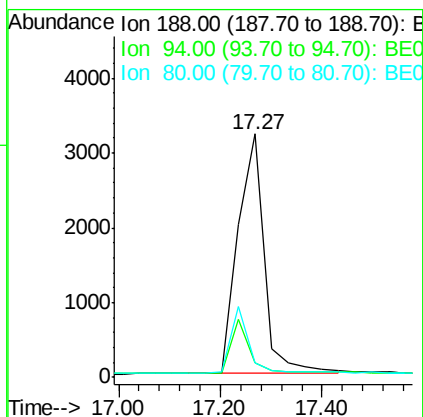
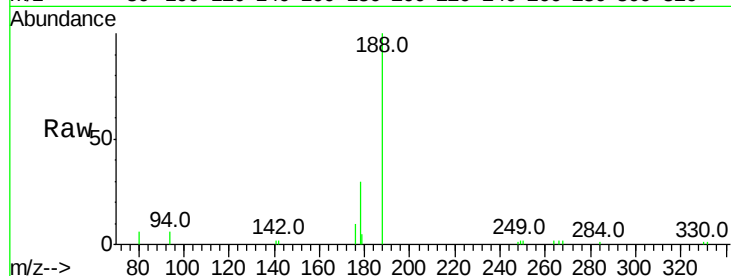




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094020.D
Acq: 18 Sep 2017 10:39

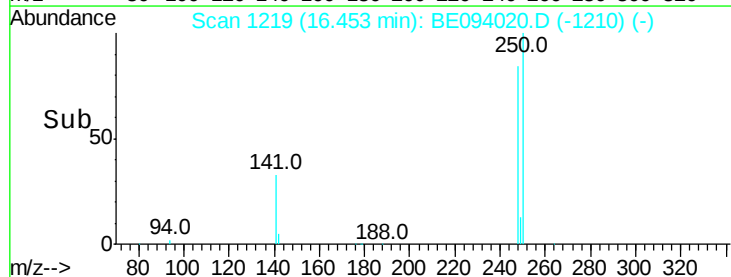
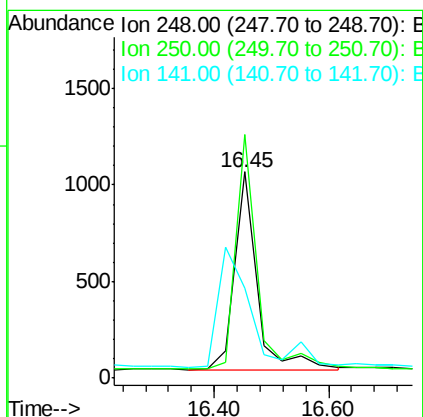
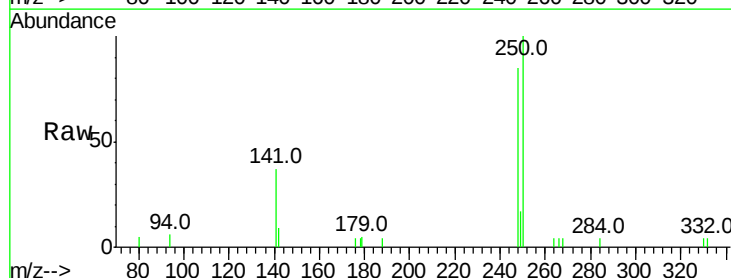
Instrument :
BNA_E
ClientSampleId :

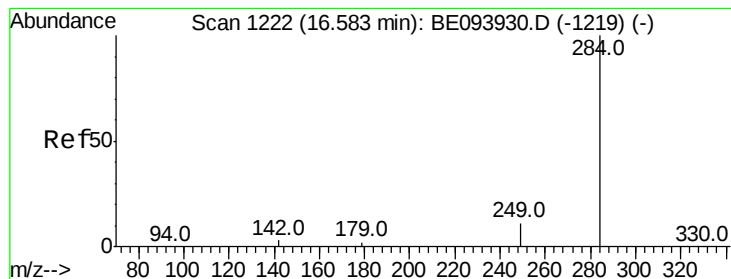
Tot Ion:188 Resp: 11529
Ion Ratio Lower Upper
188 100
94 6.1 16.1 24.1#
80 6.1 18.2 27.2#



#20
4-Bromophenyl-phenylether
Concen: 0.408 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE094020.D
Acq: 18 Sep 2017 10:39

Tgt Ion:248 Resp: 2720
Ion Ratio Lower Upper
248 100
250 118.2 111.8 167.8
141 43.6 27.1 40.7#





#21

Hexachlorobenzene

Concen: 0.316 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

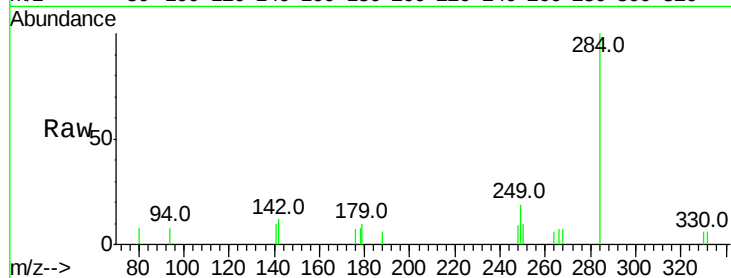
Tot Ion:284 Resp: 2149

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

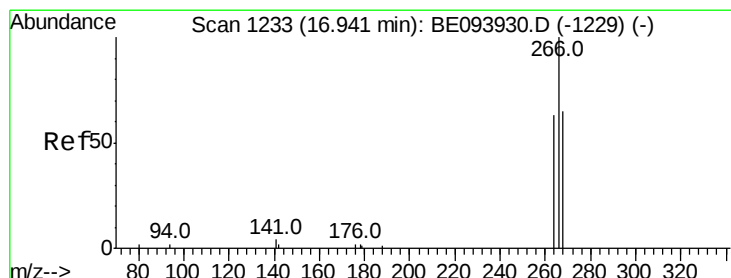
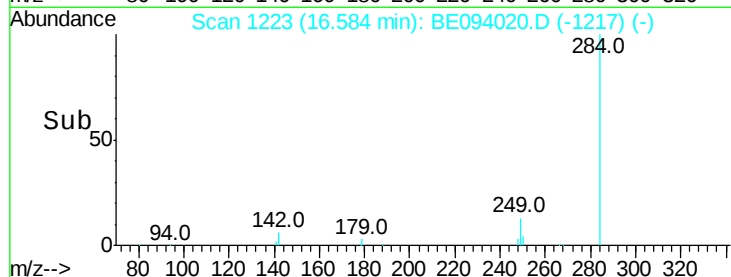
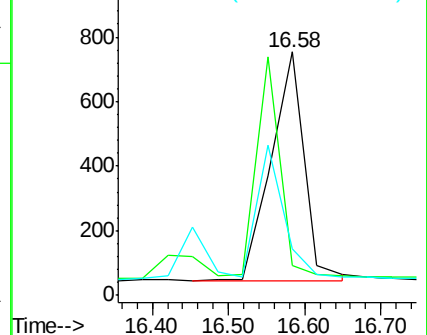
249 0.0 0.0 0.0



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: 0.368 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

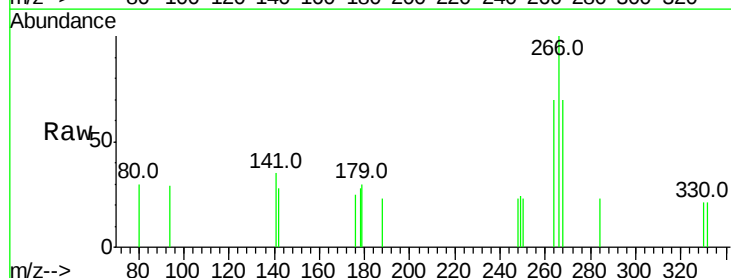
Tgt Ion:266 Resp: 673

Ion Ratio Lower Upper

266 100

264 70.4 53.5 80.3

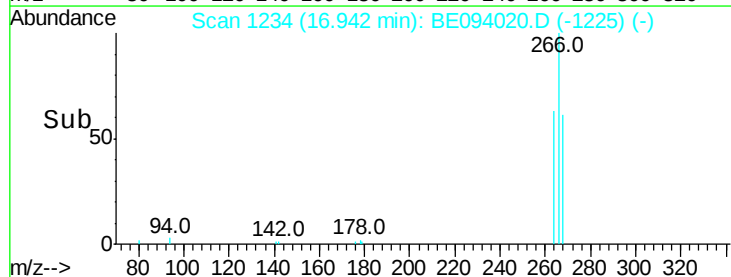
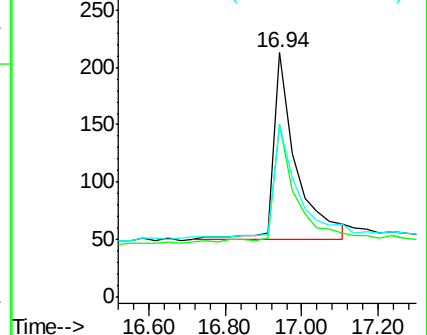
268 70.0 60.0 90.0

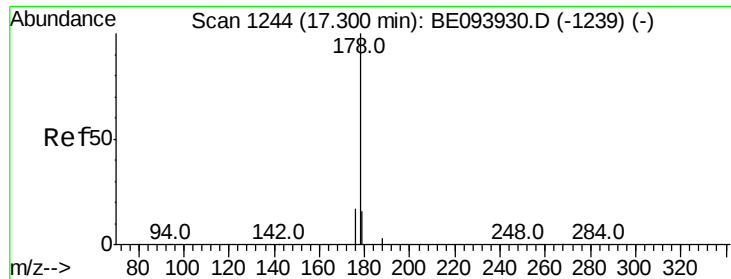


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.499 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

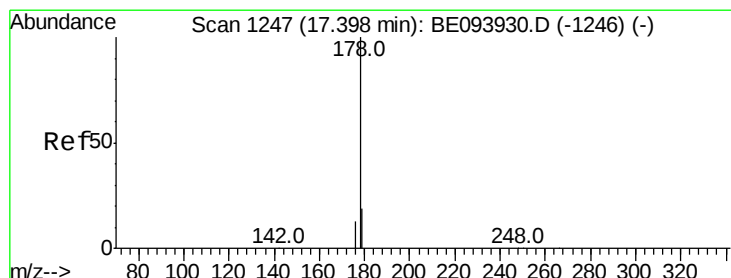
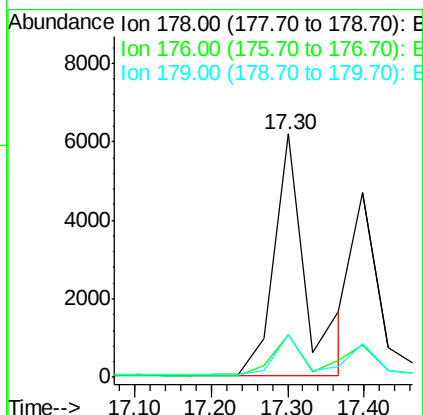
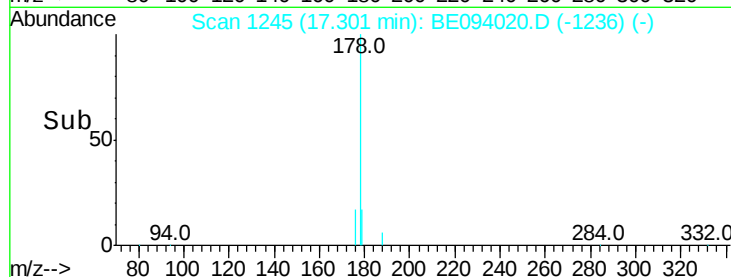
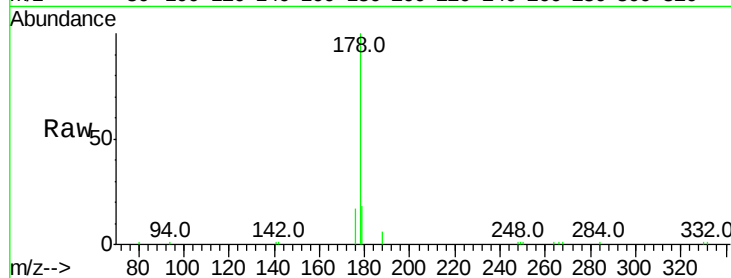
Tot Ion:178 Resp: 18100

Ion Ratio Lower Upper

178 100

176 19.1 0.0 0.0#

179 15.5 12.6 18.8



#24

Anthracene

Concen: 0.315 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

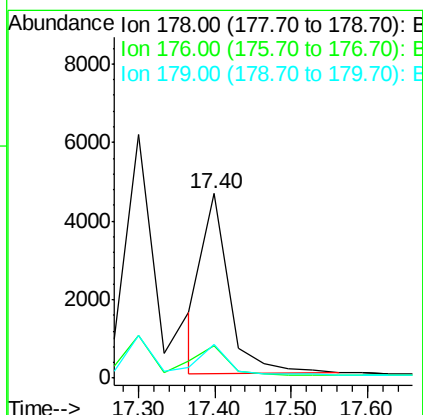
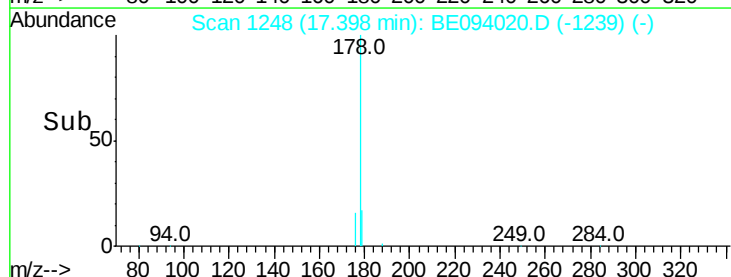
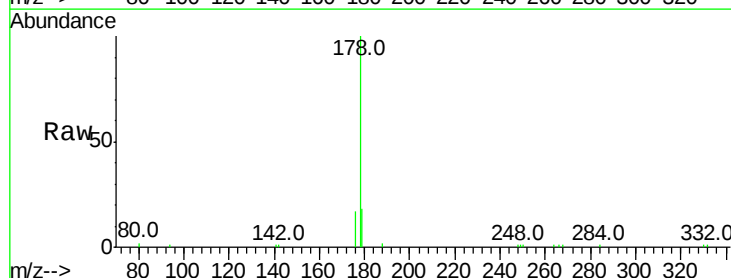
Tgt Ion:178 Resp: 11052

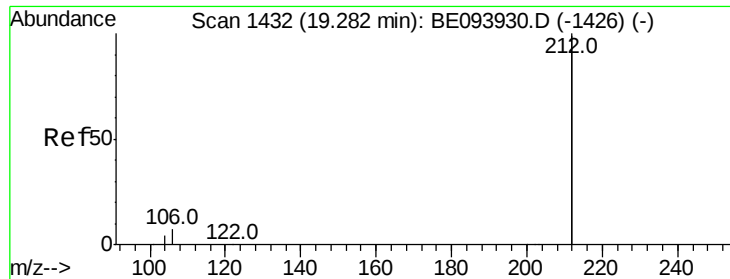
Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

179 17.4 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

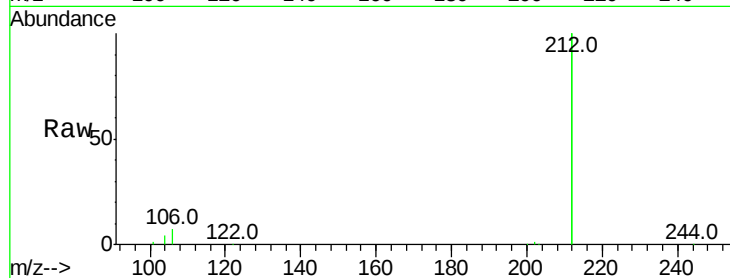
Tot Ion:212 Resp: 65617

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

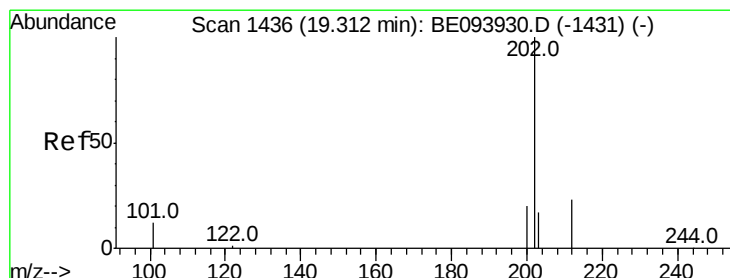
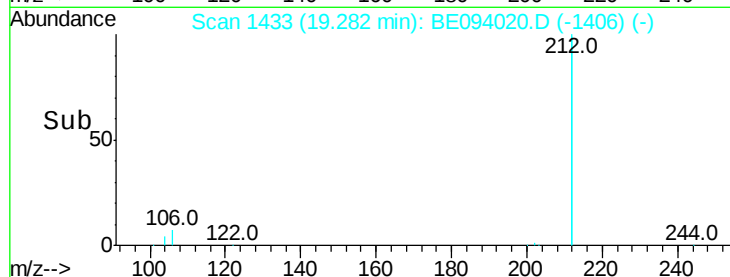
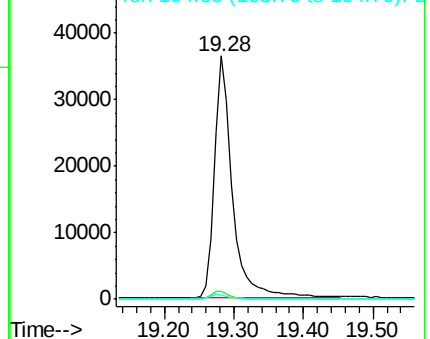
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.383 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

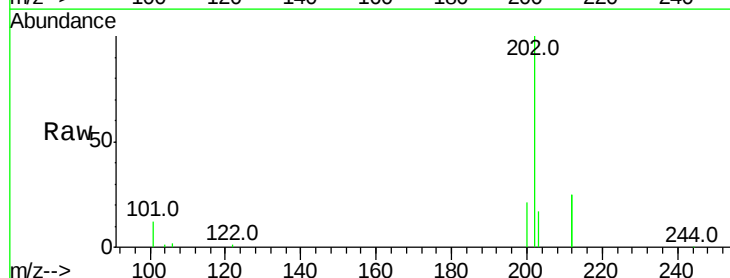
Tgt Ion:202 Resp: 19699

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

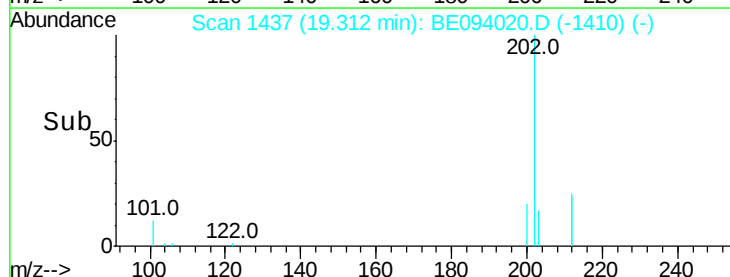
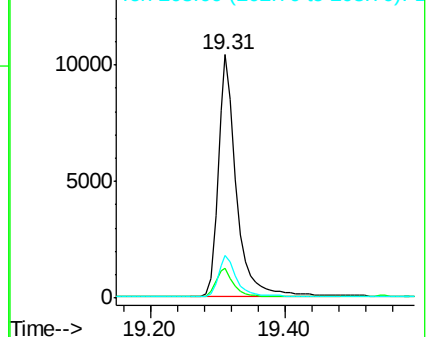
203 16.9 13.7 20.5



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: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

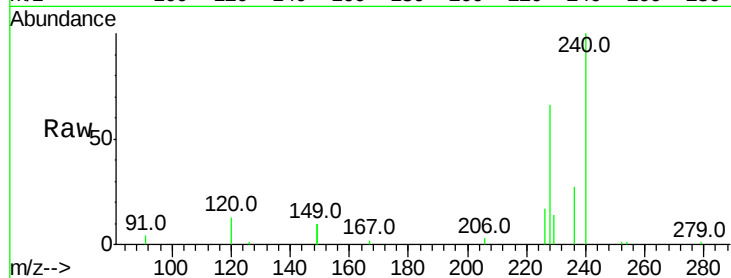
Instrument :

BNA_E

ClientSampleId :

Tot Ion:240 Resp: 14066

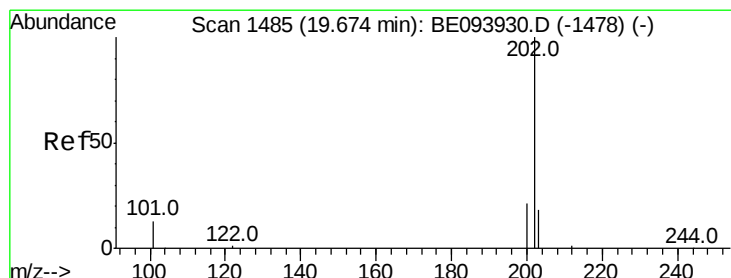
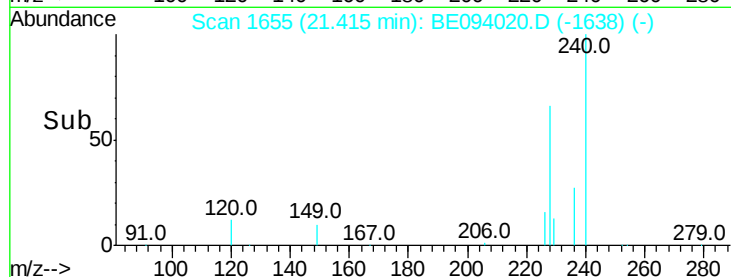
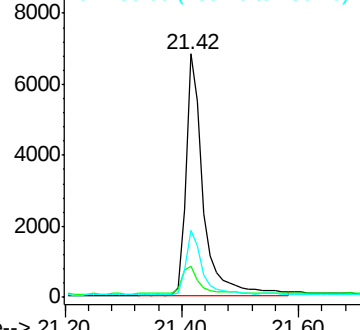
Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.7	13.1
236	27.3	21.3	31.9



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: 0.421 ng

RT: 19.67 min Scan# 1486

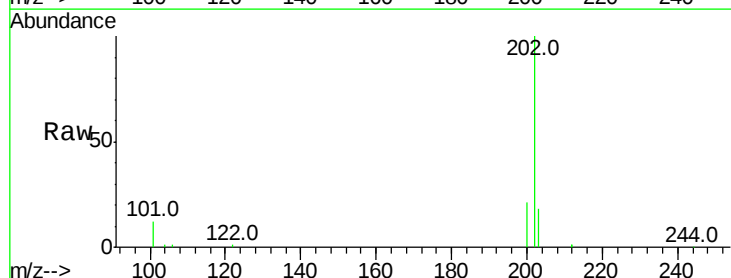
Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Tgt Ion:202 Resp: 20368

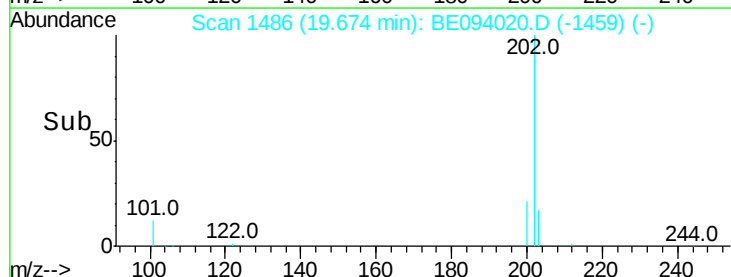
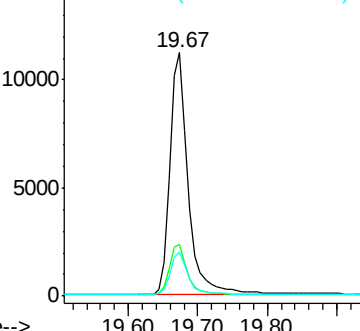
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	17.6	14.2	21.4

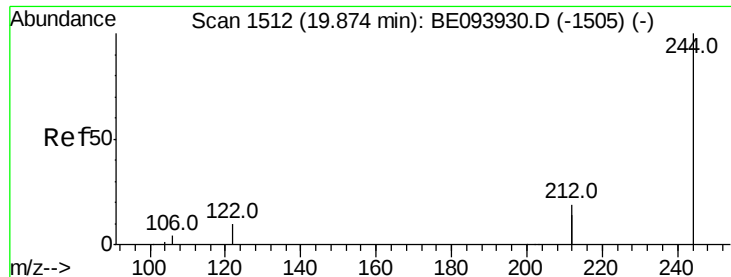


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.410 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

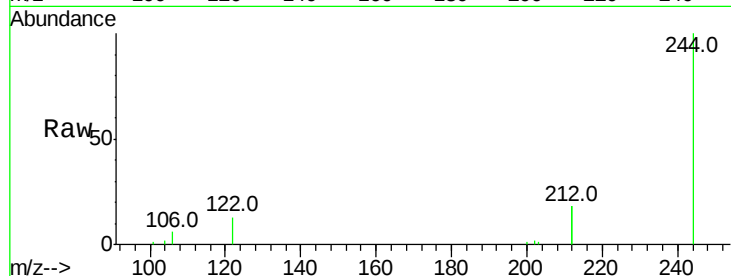
Tot Ion:244 Resp: 10620

Ion Ratio Lower Upper

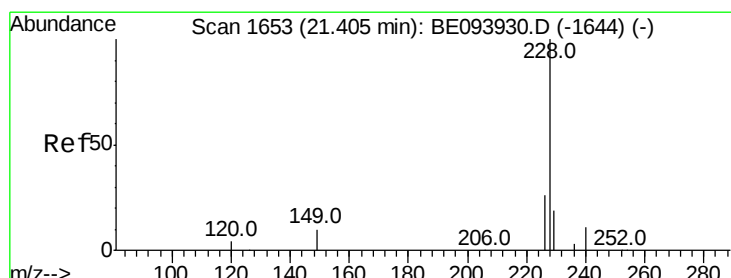
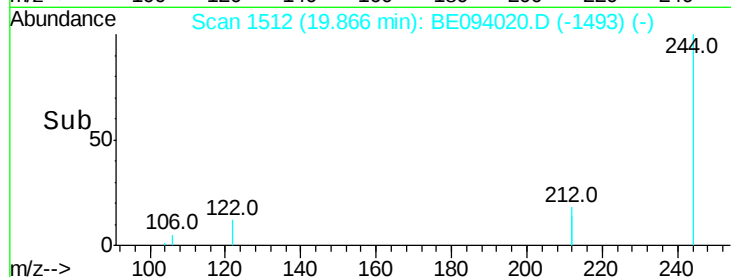
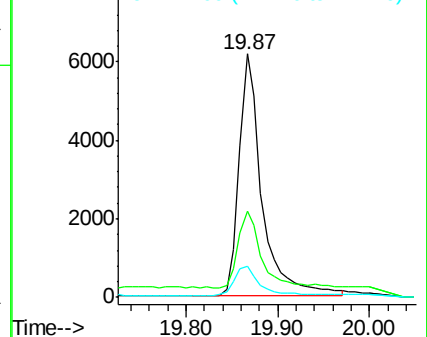
244 100

212 35.6 28.3 42.5

122 12.9 9.4 14.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.344 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

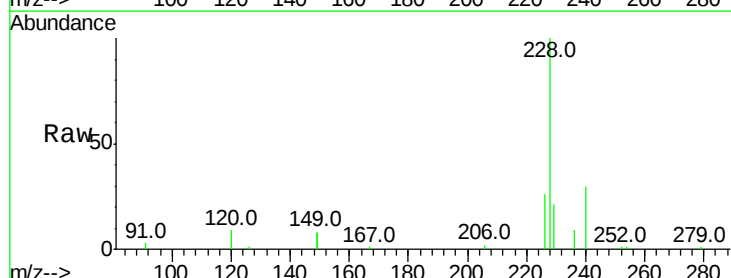
Tgt Ion:228 Resp: 14855

Ion Ratio Lower Upper

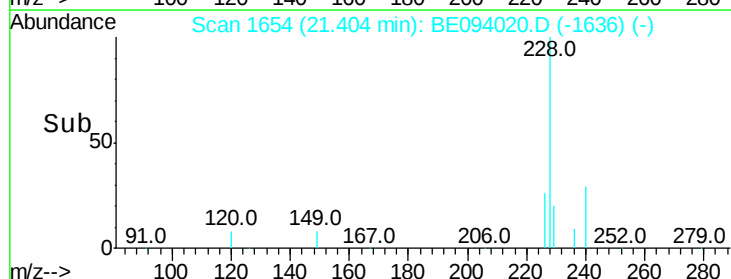
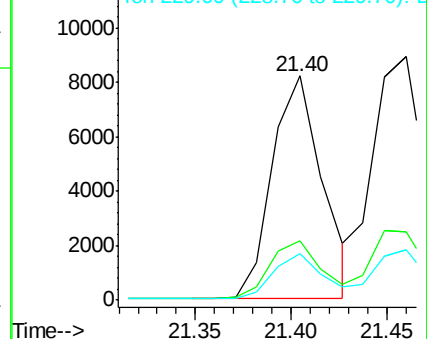
228 100

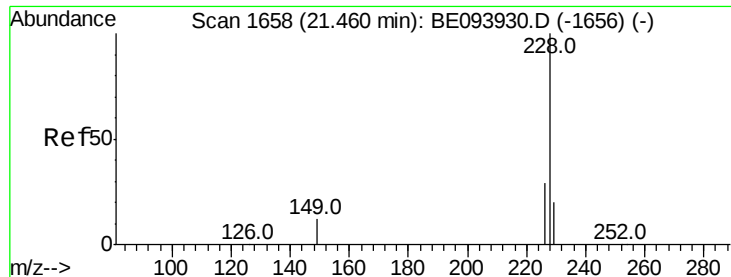
226 26.3 20.8 31.2

229 20.9 16.6 25.0



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





#31

Chrysene

Concen: 0.424 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

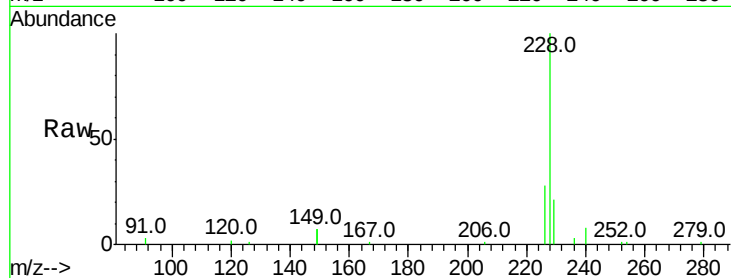
Tot Ion:228 Resp: 19401

Ion Ratio Lower Upper

228 100

226 28.1 24.6 37.0

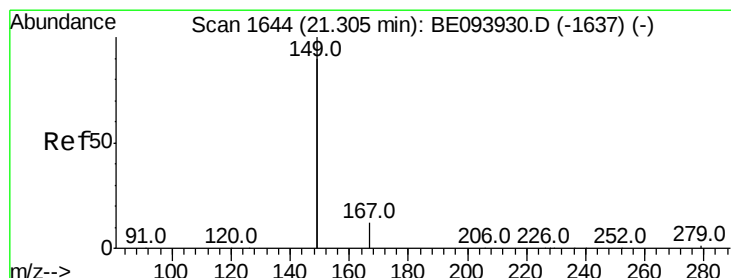
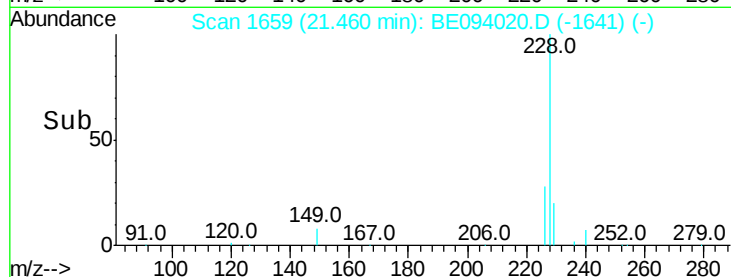
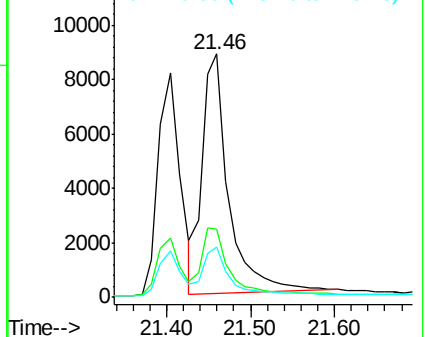
229 20.8 15.8 23.8



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: 0.328 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

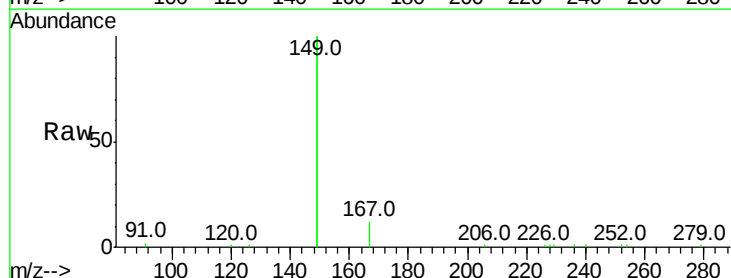
Tgt Ion:149 Resp: 34381

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

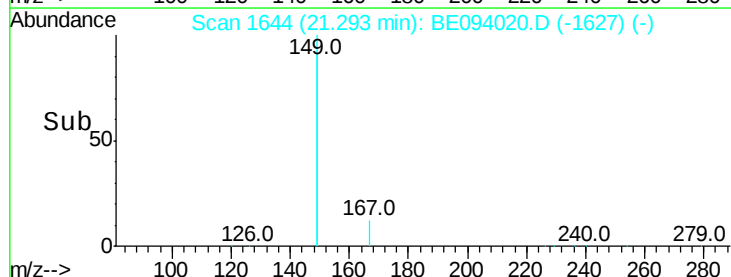
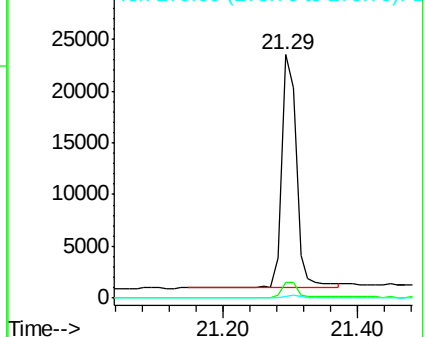
279 1.0 0.7 1.1



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

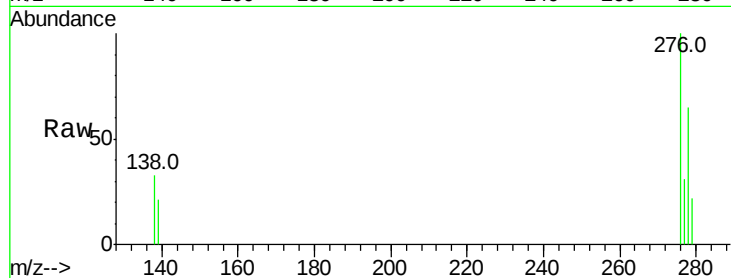




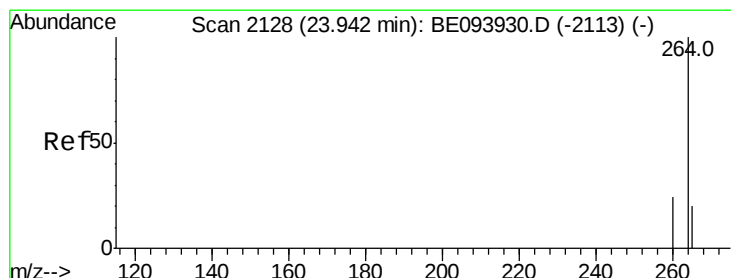
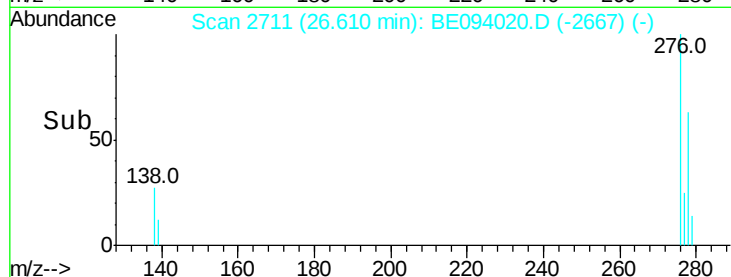
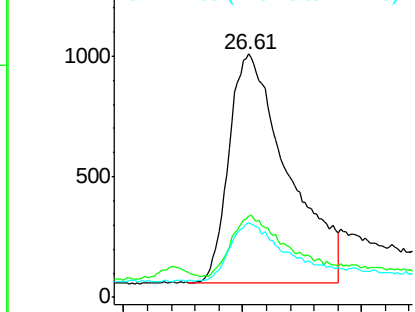
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.215 ng
 RT: 26.61 min Scan# 2711
 Delta R.T. 0.00 min
 Lab File: BE094020.D
 Acq: 18 Sep 2017 10:39

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:276 Resp: 6564
 Ion Ratio Lower Upper
 276 100
 138 24.7 22.2 33.2
 277 25.3 19.5 29.3

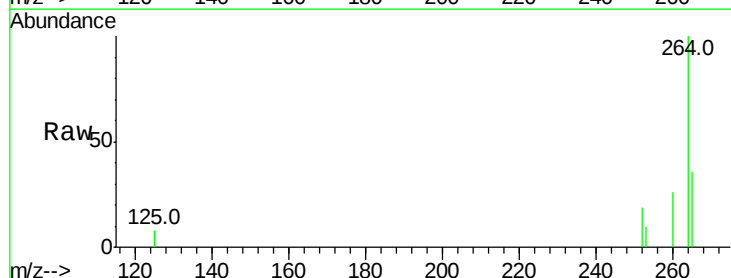


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

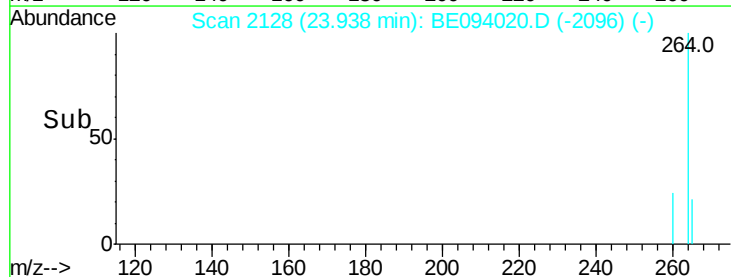
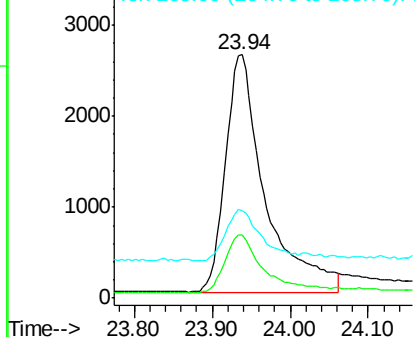


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BE094020.D
 Acq: 18 Sep 2017 10:39

Tgt Ion:264 Resp: 9226
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.0 30.0
 265 35.9 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: 0.376 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

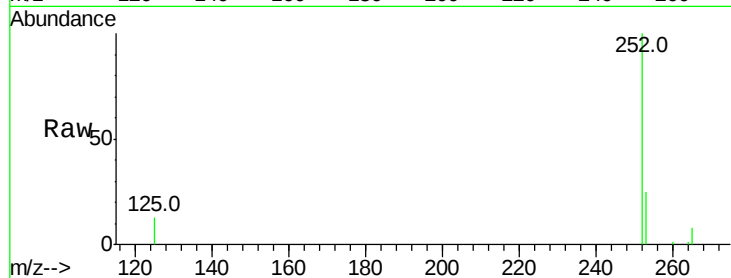
Tot Ion:252 Resp: 11040

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.0

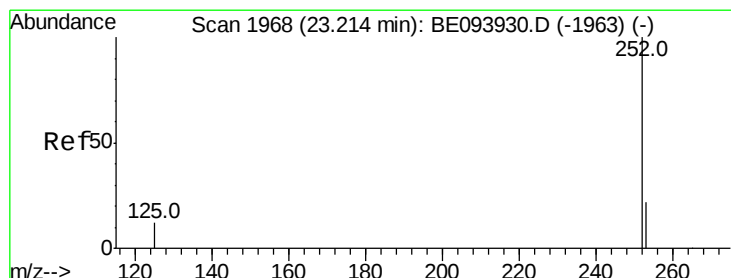
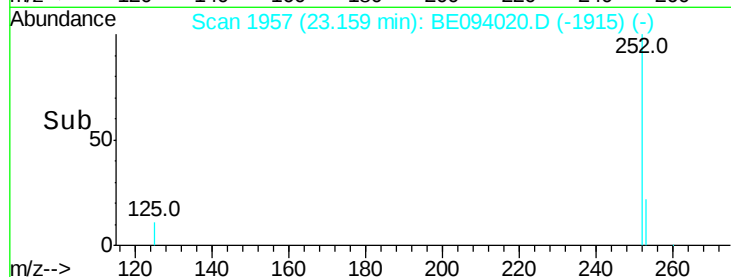
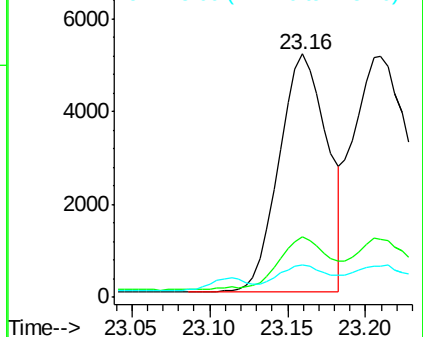
125 13.3 10.0 15.0



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: 0.447 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

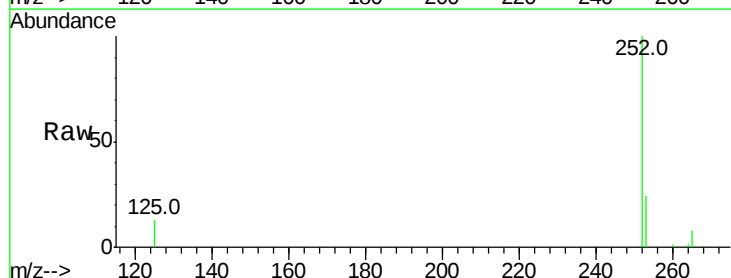
Tgt Ion:252 Resp: 16098

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

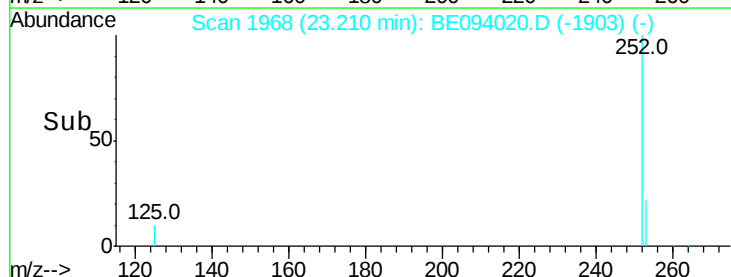
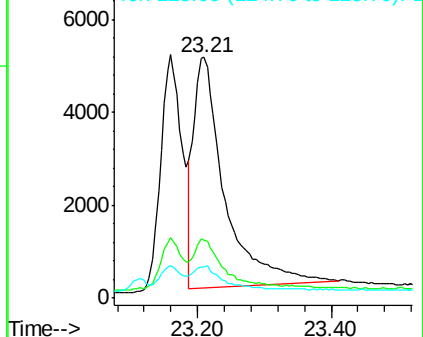
125 13.1 9.8 14.6



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: 0.399 ng

RT: 23.82 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :

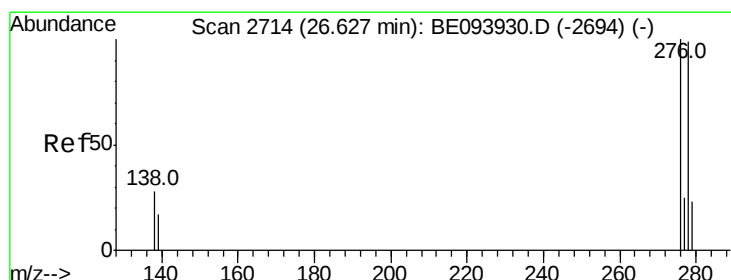
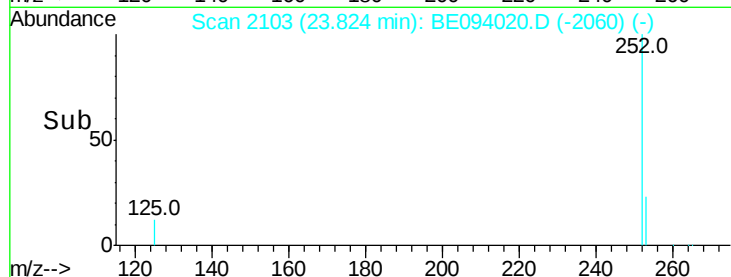
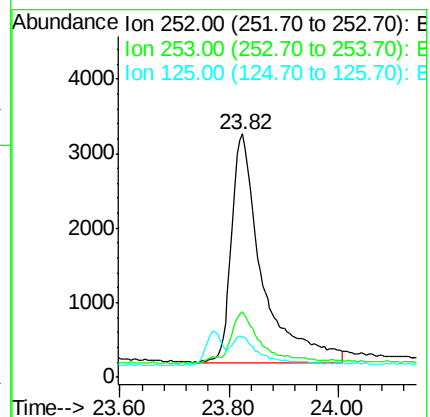
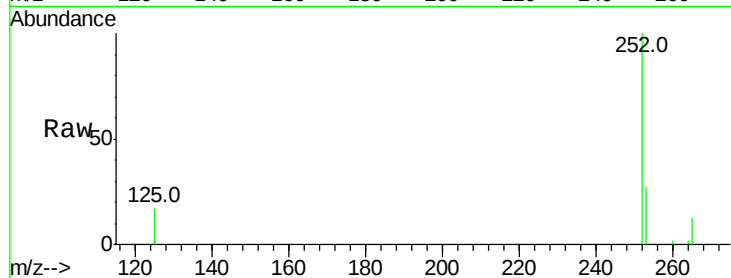
Tot Ion:252 Resp: 11941

Ion Ratio Lower Upper

252 100

253 26.8 19.6 29.4

125 16.5 11.8 17.8



#38

Dibenzo(a,h)anthracene

Concen: 0.268 ng

RT: 26.64 min Scan# 2717

Delta R.T. 0.01 min

Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

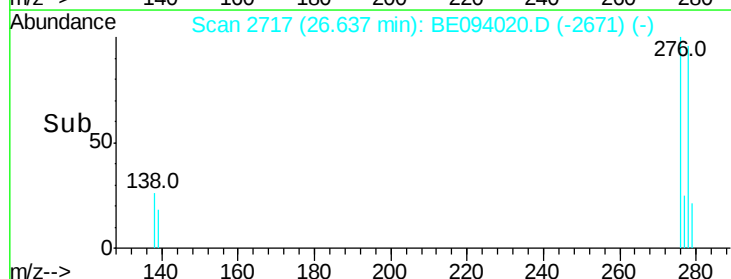
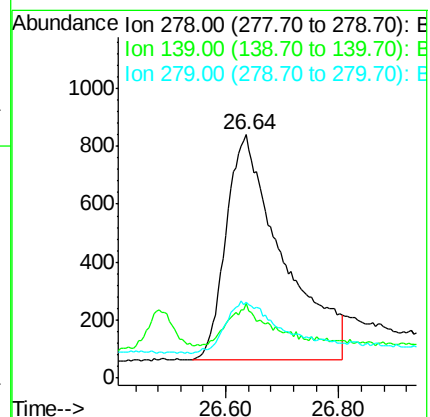
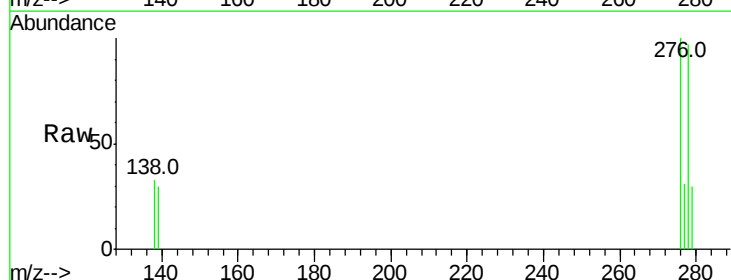
Tgt Ion:278 Resp: 5319

Ion Ratio Lower Upper

278 100

139 30.5 16.7 25.1#

279 31.0 21.6 32.4





#39

Benzo(a,h,i)perylene

Concen: 0.314 ng

RT: 27.42 min Scan# 2888

Delta R.T. -0.01 min

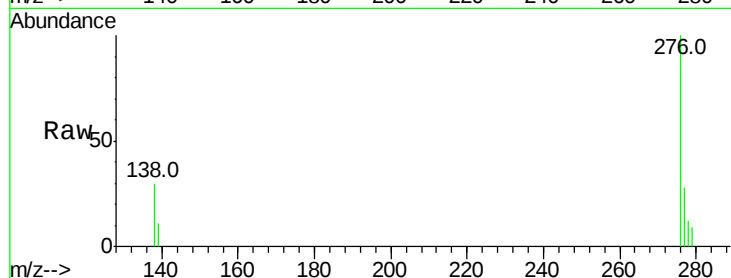
Lab File: BE094020.D

Acq: 18 Sep 2017 10:39

Instrument :

BNA_E

ClientSampleId :



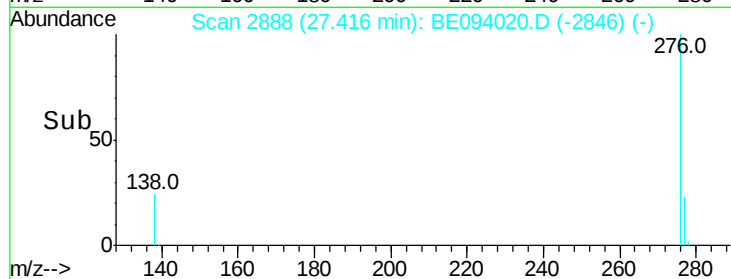
Tot Ion: 276 Resp: 6579

Ion Ratio Lower Upper

276 100

277 28.0 20.6 30.8

138 30.1 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

