

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093994.D
 Acq On : 13 Sep 2017 18:09
 Operator : SJ/JU
 Sample : I5167-20MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19013061MS

Quant Time: Sep 14 00:55:15 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	3466	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	19574	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	16576	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	44612	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	37735	0.40	ng	-0.01
34) Perylene-d12	23.93	264	27705	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1076	0.10	ng	0.00
5) Phenol-d6	7.11	99	956	0.06	ng	0.00
8) Nitrobenzene-d5	9.06	82	3271	0.20	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5843	0.19	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	1633	0.32	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9469	0.14	ng	-0.01
25) Fluoranthene-d10	19.27	212	63302	0.10	ng	0.00
29) Terphenyl-d14	19.86	244	12763	0.18	ng	-0.02

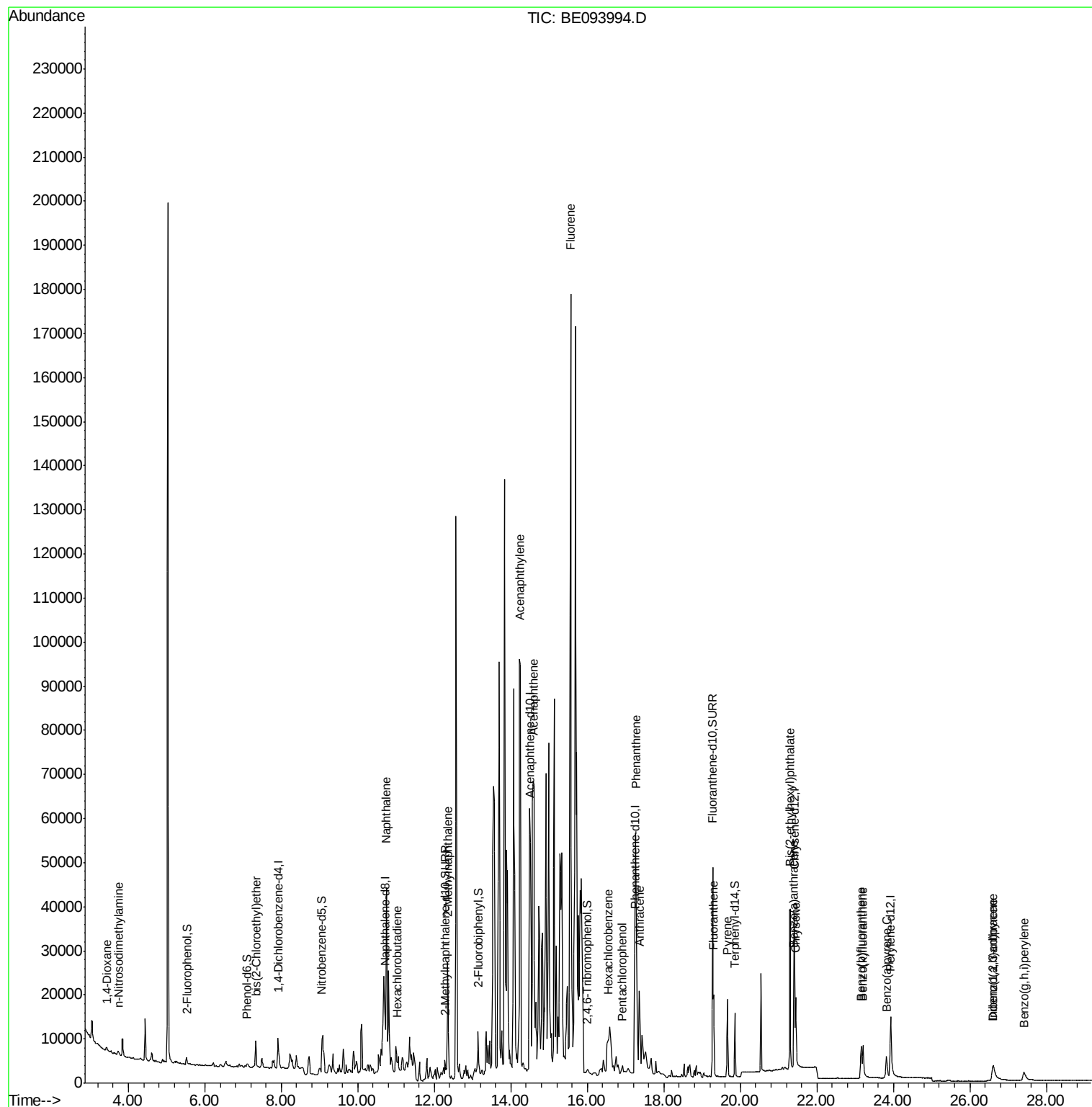
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	767	0.161	ng	# 14
3) n-Nitrosodimethylamine	3.74	42	658	0.118	ng	# 67
6) bis(2-Chloroethyl)ether	7.34	93	2570	0.187	ng	99
9) Naphthalene	10.74	128	79430	0.354	ng	# 92
10) Hexachlorobutadiene	11.02	225	1228	0.151	ng	96
12) 2-Methylnaphthalene	12.35	142	19703	0.529	ng	98
16) Acenaphthylene	14.24	152	25952	0.314	ng	# 37
17) Acenaphthene	14.58	154	36361	0.650	ng	# 84
18) Fluorene	15.56	166	85893	1.191	ng	# 89
21) Hexachlorobenzene	16.55	284	1441	0.055	ng	# 100
22) Pentachlorophenol	16.91	266	2179	0.308	ng	# 86
23) Phenanthrene	17.27	178	91867	0.715	ng	# 94
24) Anthracene	17.37	178	29619	0.218	ng	# 99
26) Fluoranthene	19.30	202	17119	0.086	ng	99
28) Pyrene	19.67	202	17961	0.138	ng	99
30) Benzo(a)anthracene	21.39	228	14999	0.129	ng	97
31) Chrysene	21.45	228	15357	0.125	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	51380	0.183	ng	97
33) Indeno(1,2,3-cd)pyrene	26.60	276	8306	0.102	ng	96
35) Benzo(b)fluoranthene	23.16	252	11624	0.132	ng	98
36) Benzo(k)fluoranthene	23.21	252	14305	0.132	ng	97
37) Benzo(a)pyrene	23.82	252	11532	0.128	ng	95
38) Dibenzo(a,h)anthracene	26.61	278	6542	0.110	ng	# 91
39) Benzo(g,h,i)perylene	27.42	276	7275	0.116	ng	99

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

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093994.D
Acq On : 13 Sep 2017 18:09
Operator : SJ/JU
Sample : I5167-20MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C19013061MS

Quant Time: Sep 14 00:55:15 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: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

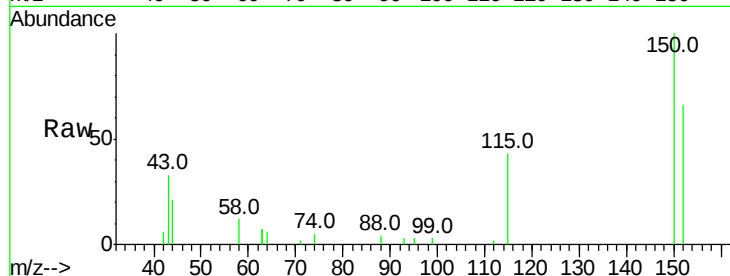
Tot Ion:152 Resp: 3466

Ion Ratio Lower Upper

152 100

150 151.5 121.8 182.6

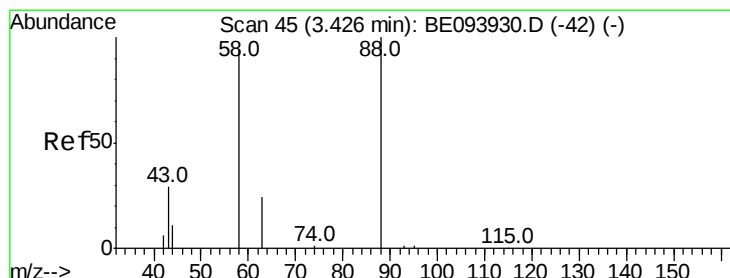
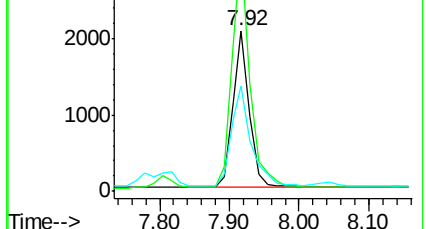
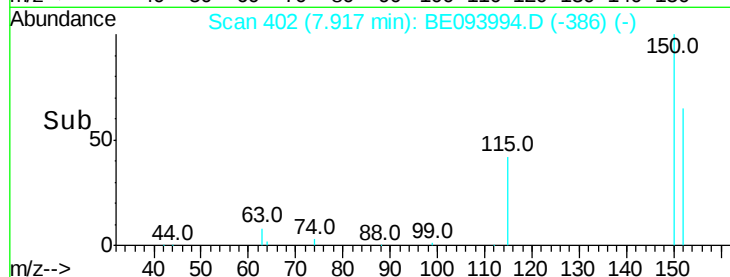
115 65.2 52.6 79.0



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: 0.161 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

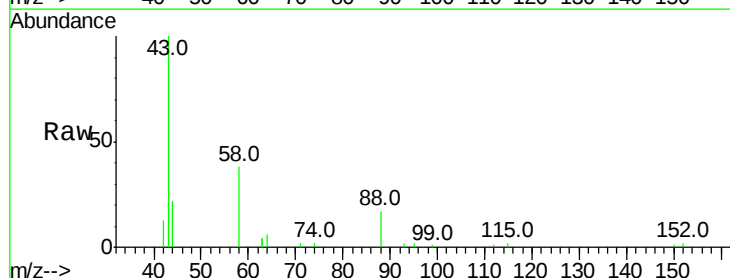
Tgt Ion: 88 Resp: 767

Ion Ratio Lower Upper

88 100

58 168.4 65.4 98.0#

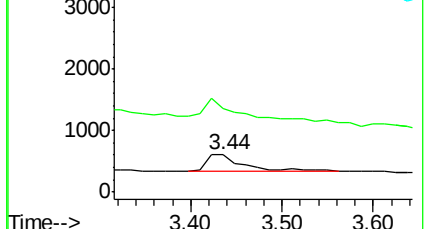
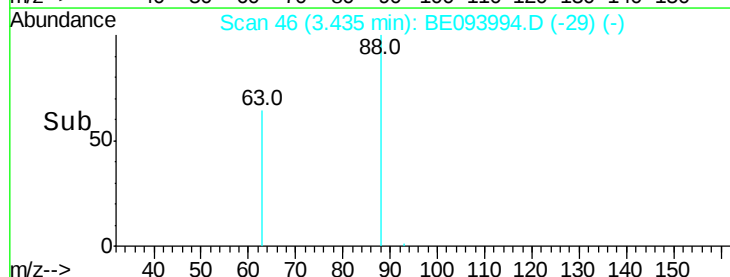
43 0.0 23.9 35.9#



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: 0.118 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

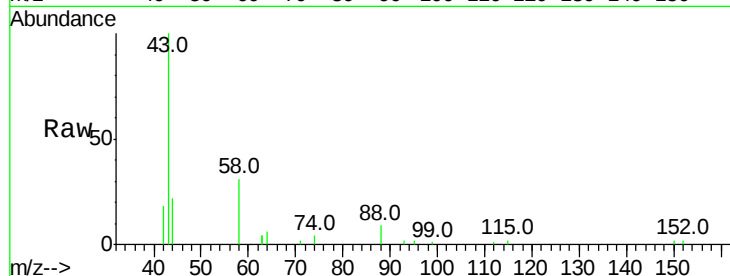
Tot Ion: 42 Resp: 658

Ion Ratio Lower Upper

42 100

74 87.1 104.0 156.0#

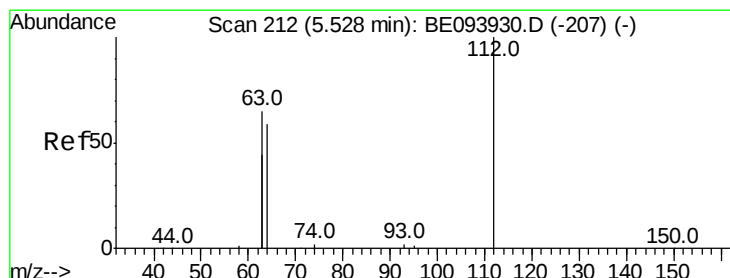
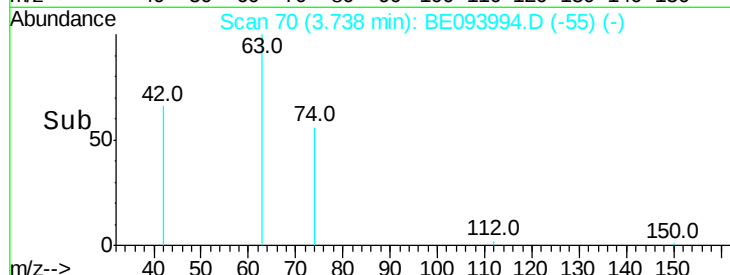
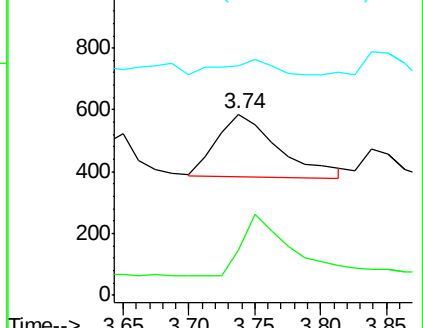
44 18.2 13.8 20.8



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: 0.096 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

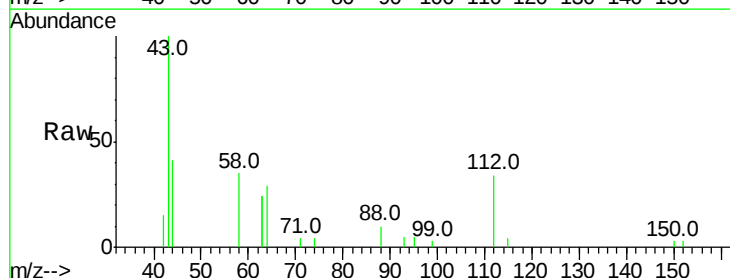
Tgt Ion: 112 Resp: 1076

Ion Ratio Lower Upper

112 100

64 77.6 57.7 86.5

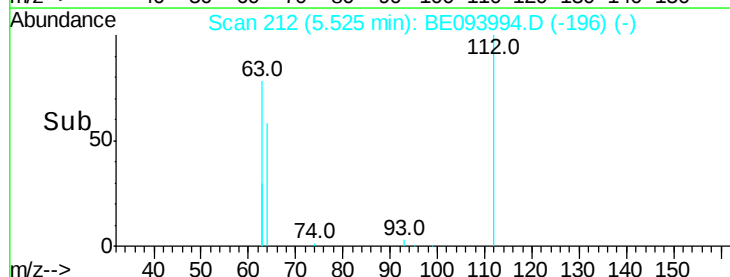
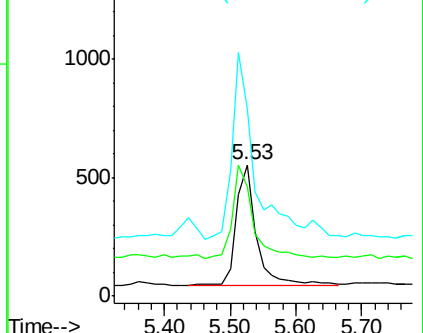
63 182.1 116.0 174.0#

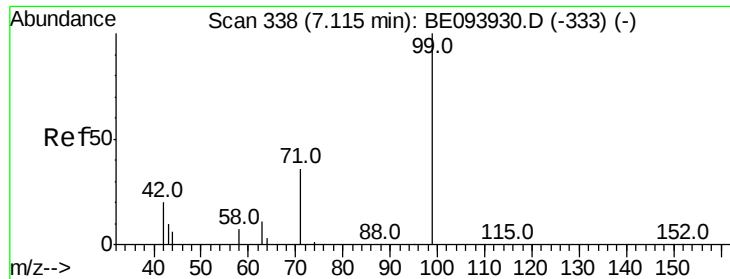


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.057 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

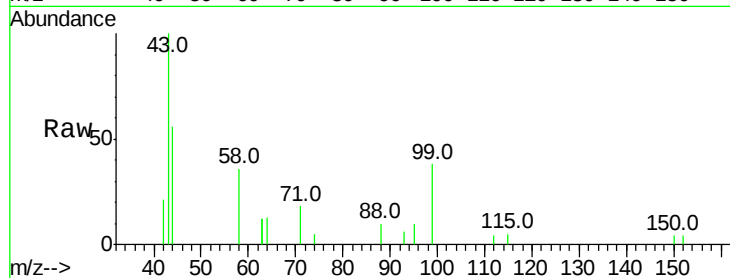
Tot Ion: 99 Resp: 956

Ion Ratio Lower Upper

99 100

42 23.6 17.1 25.7

71 37.7 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

7.11

600

500

400

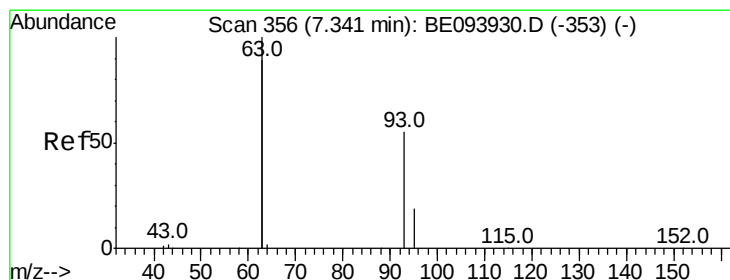
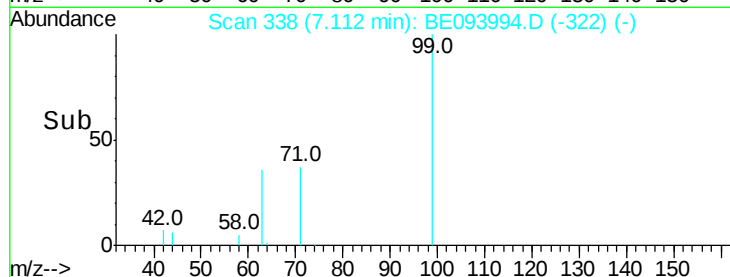
300

200

100

0

Time--> 6.90 7.00 7.10 7.20 7.30



#6

bis(2-Chloroethyl)ether

Concen: 0.187 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

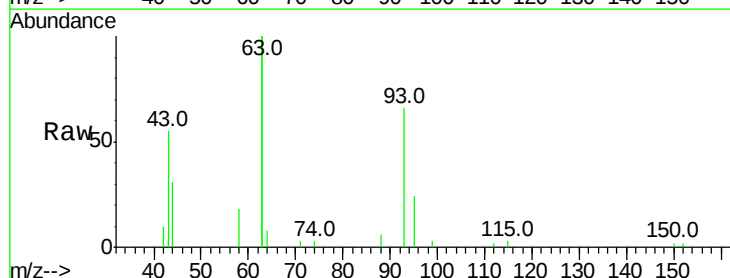
Tgt Ion: 93 Resp: 2570

Ion Ratio Lower Upper

93 100

63 352.9 283.4 425.2

95 37.3 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

7.34

6000

5000

4000

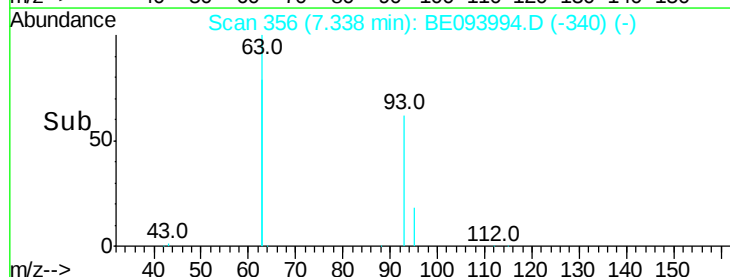
3000

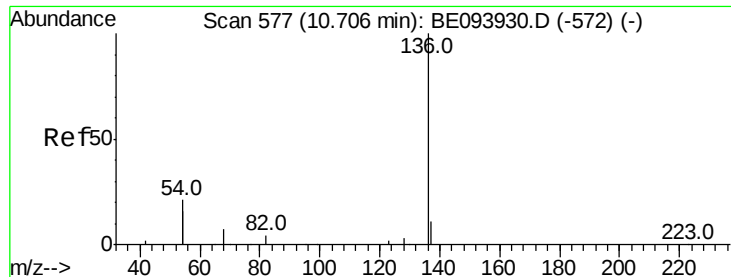
2000

1000

0

Time--> 7.30 7.40 7.50





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

Tot Ion:136 Resp: 19574

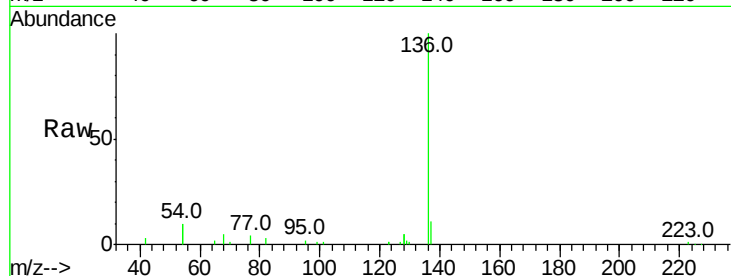
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 20.3 21.9 32.9#

68 4.6 4.6 7.0#

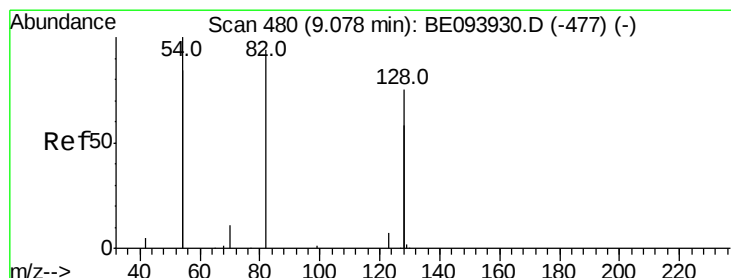
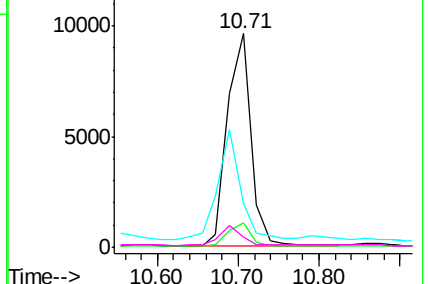
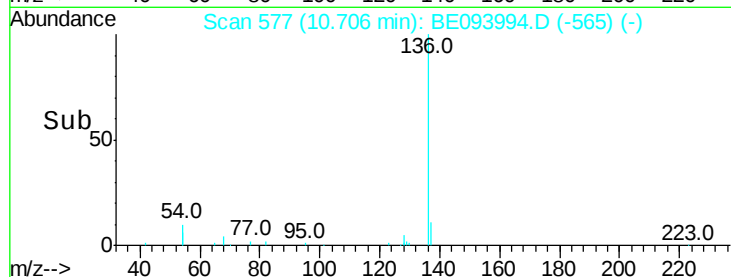


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.198 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

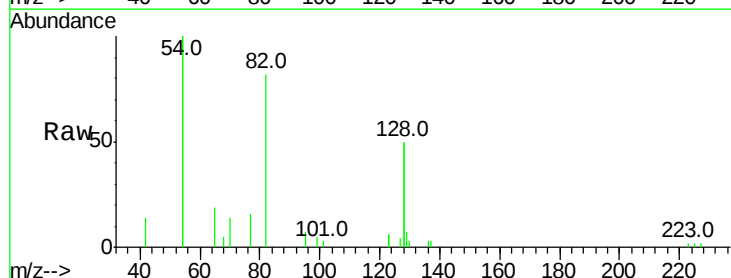
Tgt Ion: 82 Resp: 3271

Ion Ratio Lower Upper

82 100

128 123.4 91.4 137.0

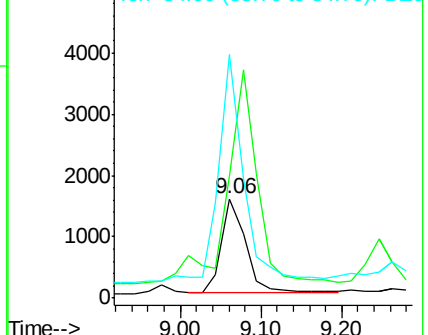
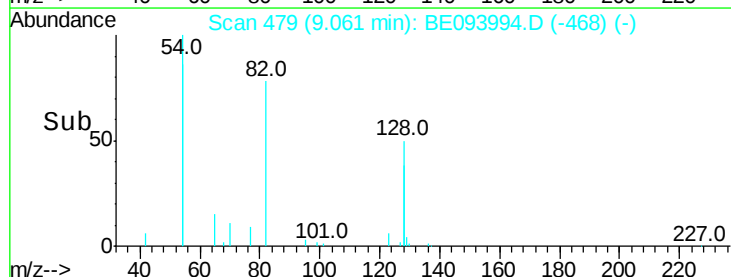
54 245.3 197.8 296.8



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: 0.354 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

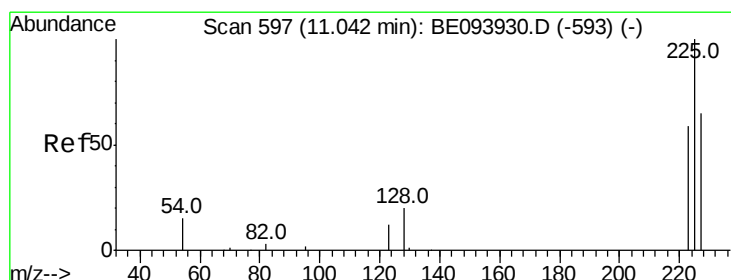
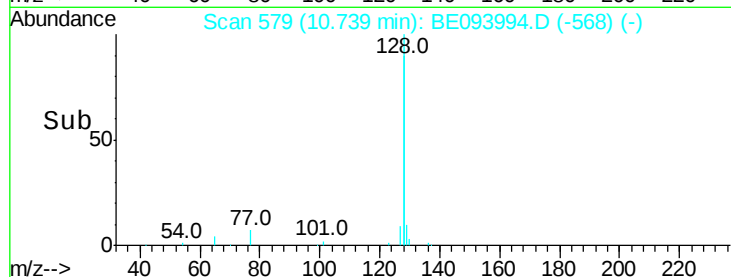
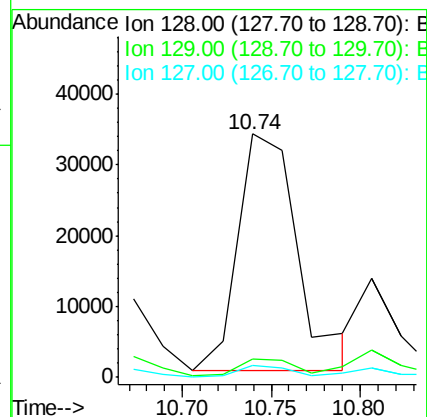
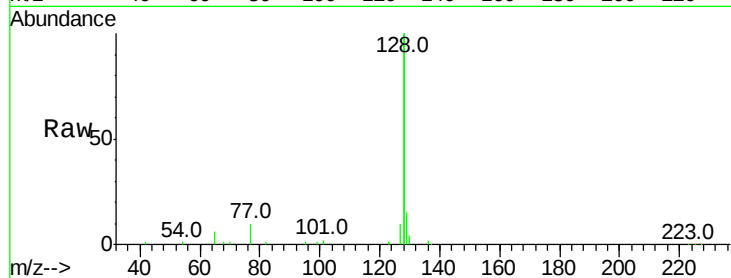
Tot Ion:128 Resp: 79430

Ion Ratio Lower Upper

128 100

129 7.3 2.5 3.7#

127 4.8 2.6 4.0#



#10

Hexachlorobutadiene

Concen: 0.151 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

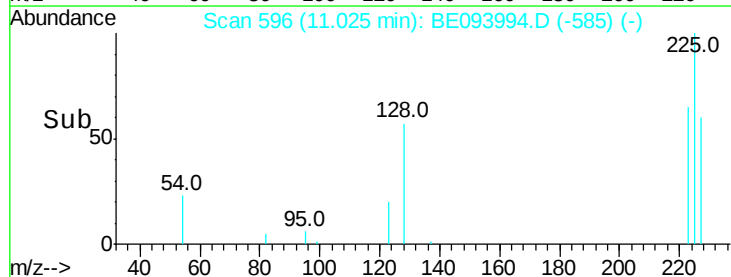
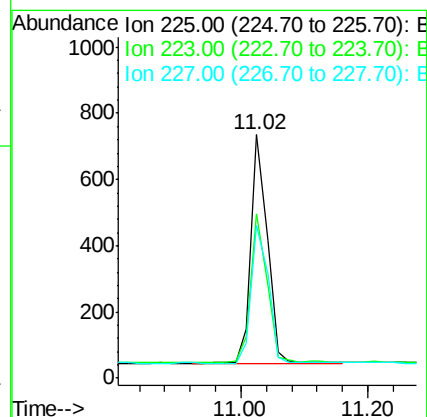
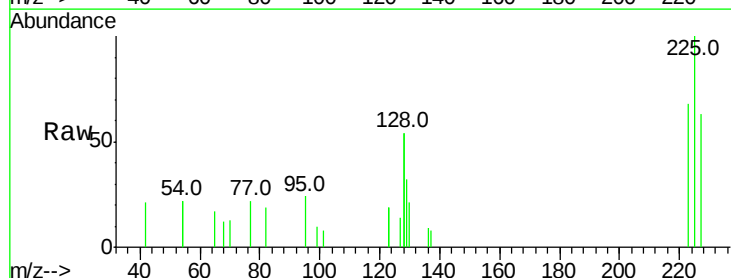
Tgt Ion:225 Resp: 1228

Ion Ratio Lower Upper

225 100

223 67.0 49.4 74.0

227 64.7 50.5 75.7





#11

2-Methylnaphthalene-d10

Concen: 0.187 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

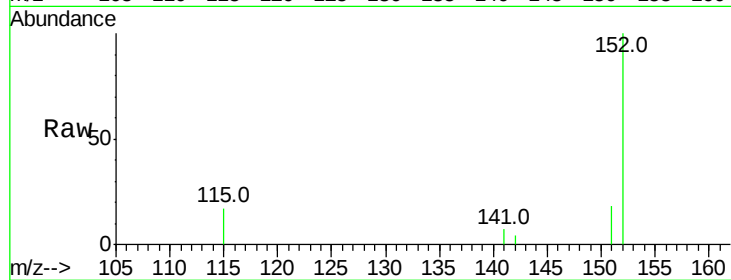
C19013061MS

Tot Ion:152 Resp: 5843

Ion Ratio Lower Upper

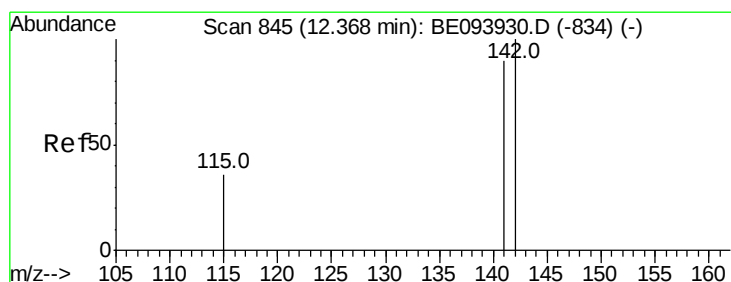
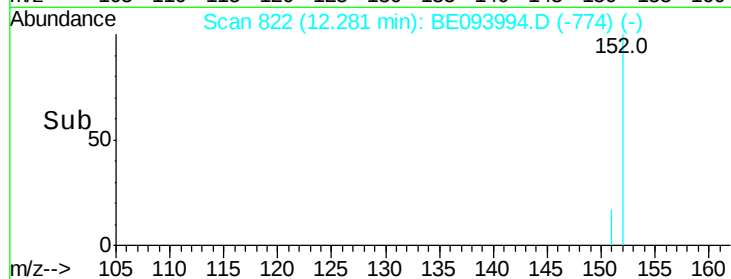
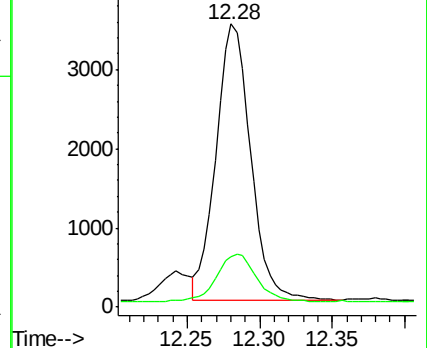
152 100

151 19.2 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: 0.529 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

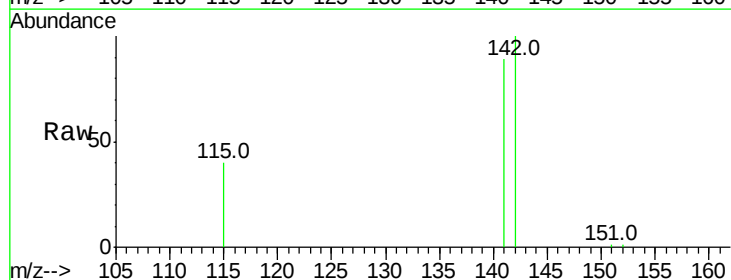
Tgt Ion:142 Resp: 19703

Ion Ratio Lower Upper

142 100

141 88.8 71.4 107.2

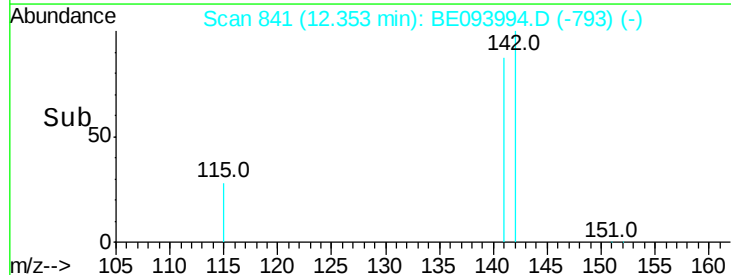
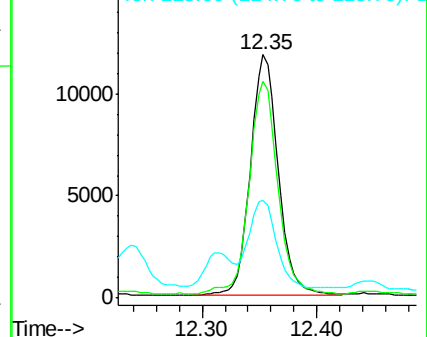
115 40.4 29.4 44.0



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

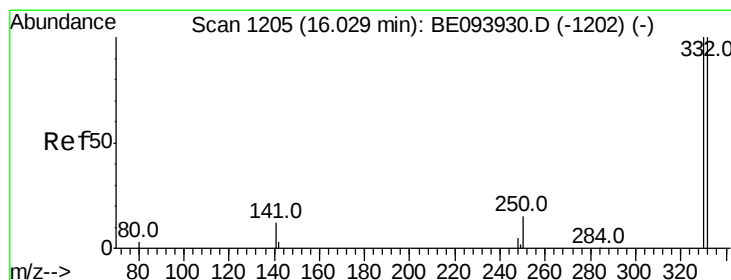
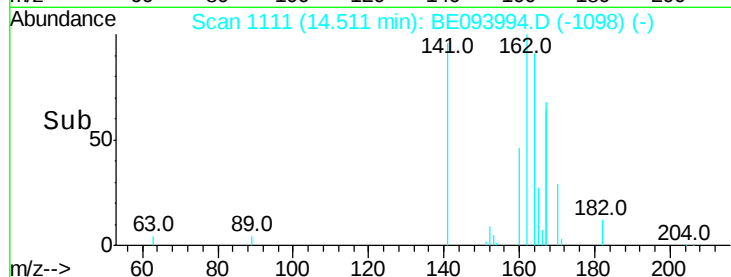
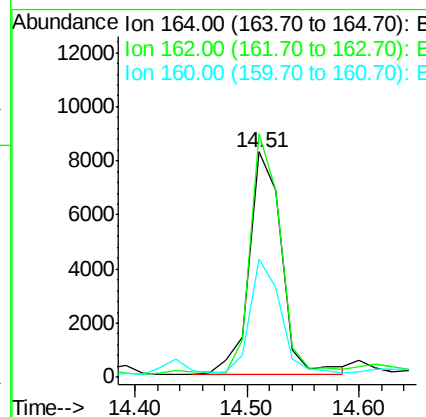
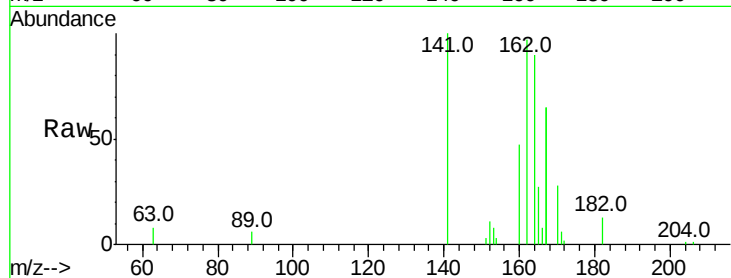




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

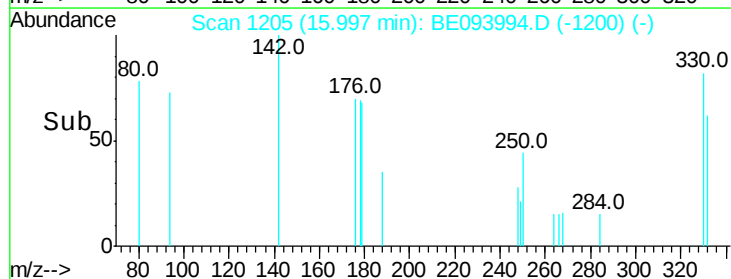
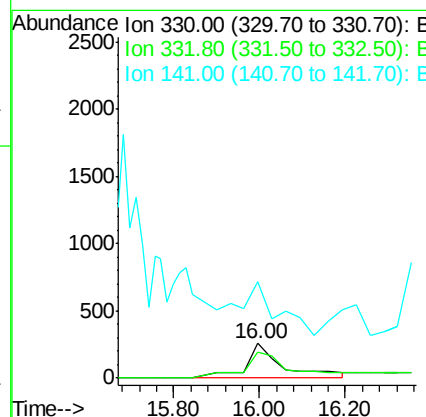
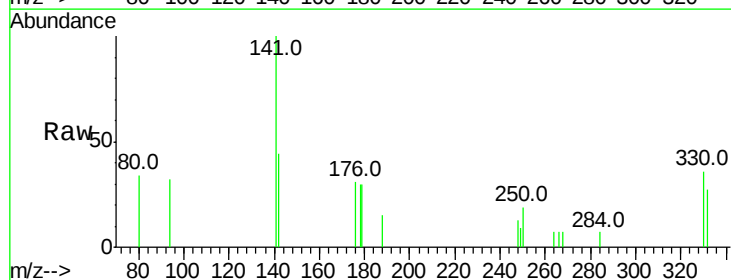
Instrument :
BNA_E
ClientSampleId :
C19013061MS

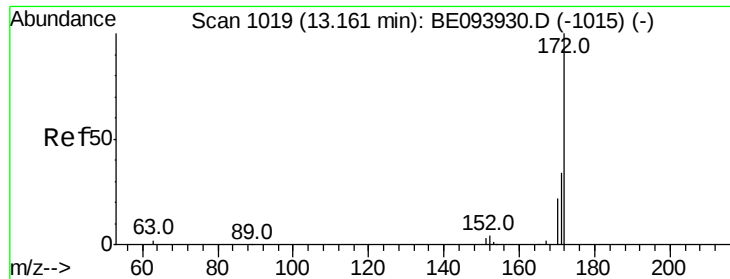
Tot Ion:164 Resp: 16576
Ion Ratio Lower Upper
164 100
162 107.9 80.8 121.2
160 52.4 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 16.00 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

Tgt Ion:330 Resp: 1633
Ion Ratio Lower Upper
330 100
332 89.0 76.9 115.3
141 102.1 0.0 0.0#

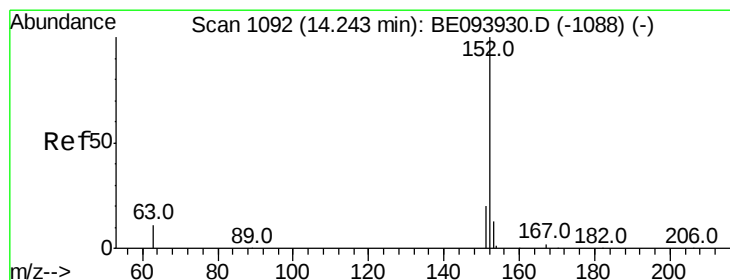
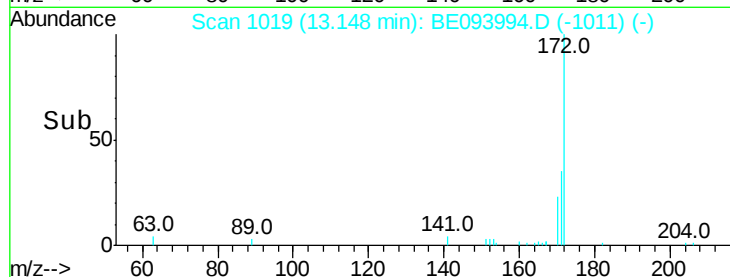
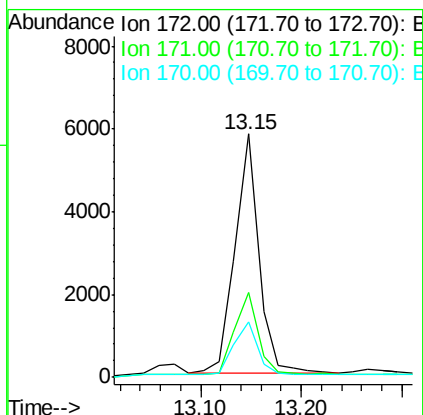
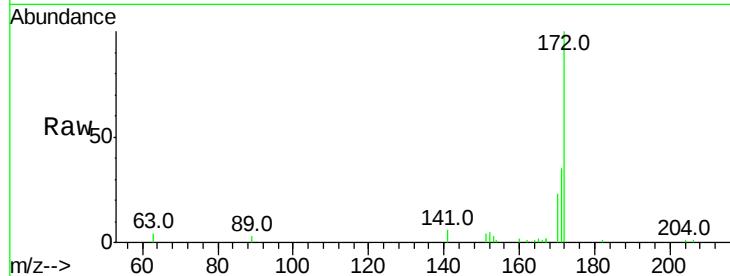




#15
2-Fluorobiphenyl
Concen: 0.144 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

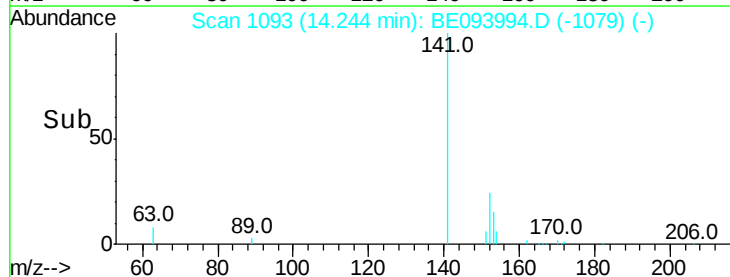
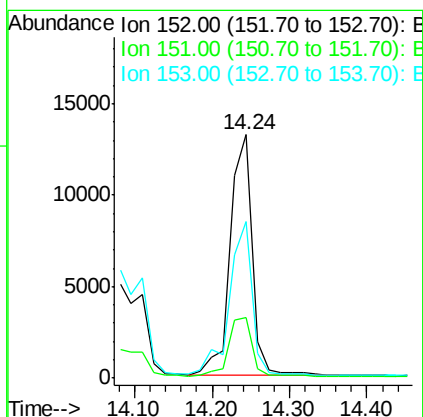
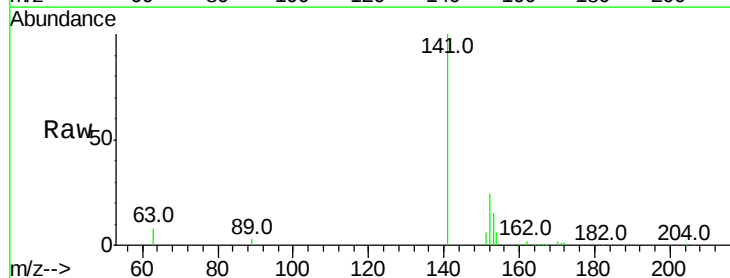
Instrument :
BNA_E
ClientSampleId :
C19013061MS

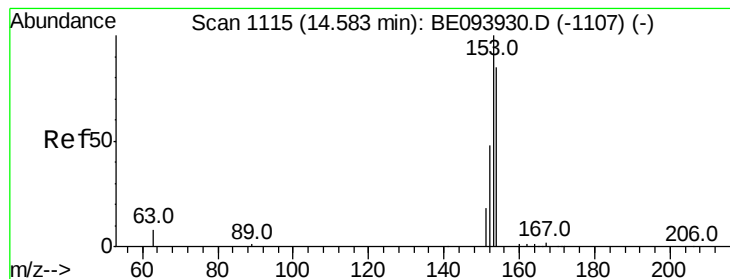
Tot Ion:172 Resp: 9469
Ion Ratio Lower Upper
172 100
171 34.8 26.9 40.3
170 22.9 17.3 25.9



#16
Acenaphthylene
Concen: 0.314 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

Tgt Ion:152 Resp: 25952
Ion Ratio Lower Upper
152 100
151 26.3 15.7 23.5#
153 66.9 10.6 16.0#





#17

Acenaphthene

Concen: 0.650 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

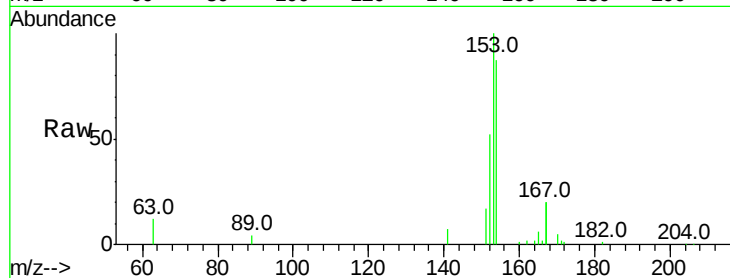
Tot Ion:154 Resp: 36361

Ion Ratio Lower Upper

154 100

153 127.7 91.8 137.6

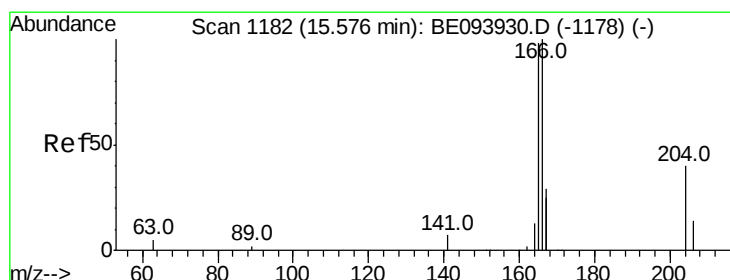
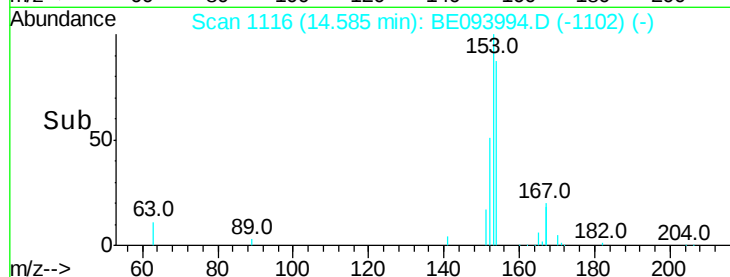
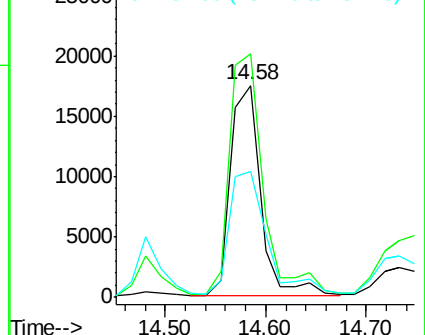
152 74.0 44.9 67.3#



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: 1.191 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

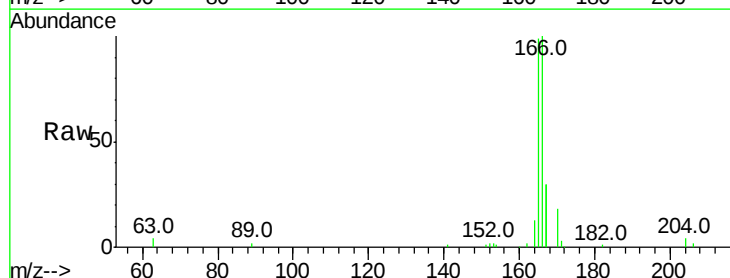
Tgt Ion:166 Resp: 85893

Ion Ratio Lower Upper

166 100

165 97.4 79.4 119.0

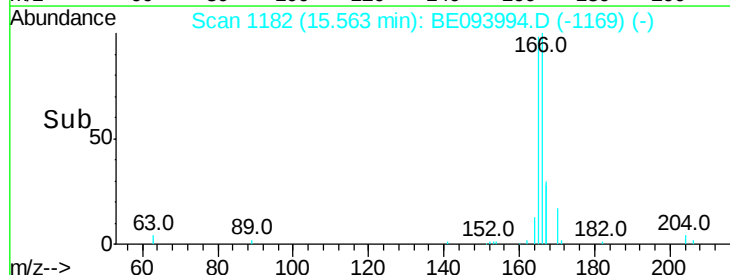
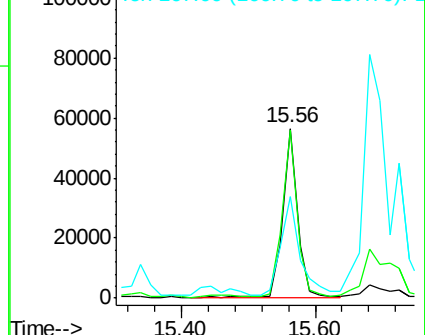
167 73.6 43.5 65.3#

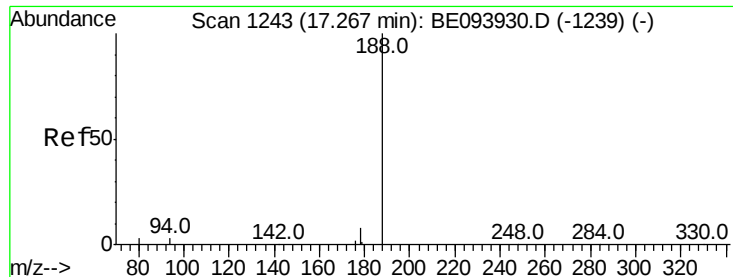


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

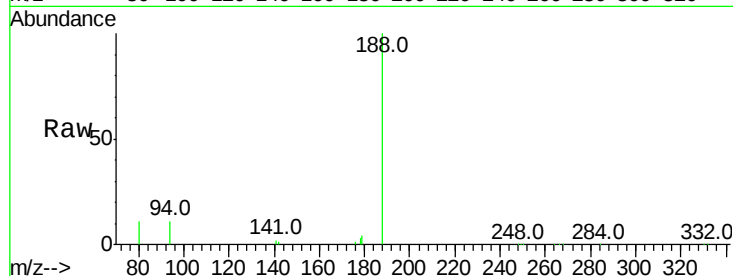
Tot Ion:188 Resp: 44612

Ion Ratio Lower Upper

188 100

94 10.8 16.1 24.1#

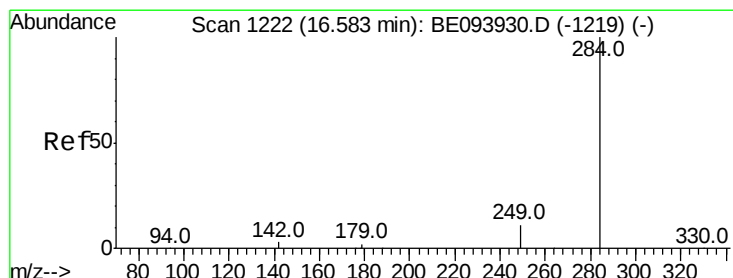
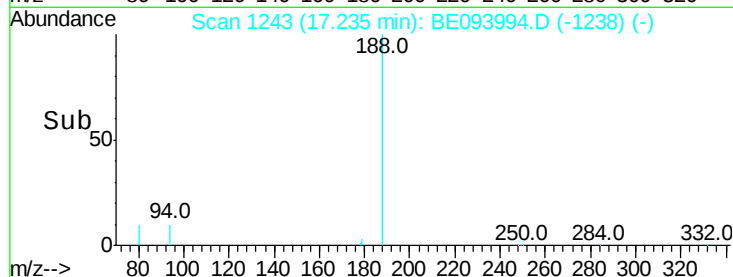
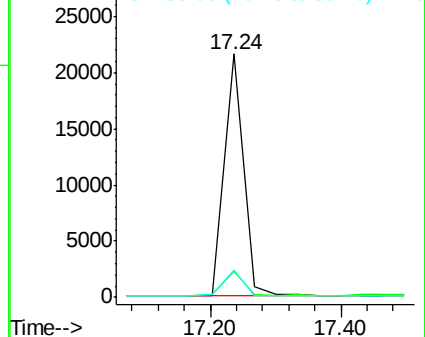
80 11.0 18.2 27.2#



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



#21

Hexachlorobenzene

Concen: 0.055 ng

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

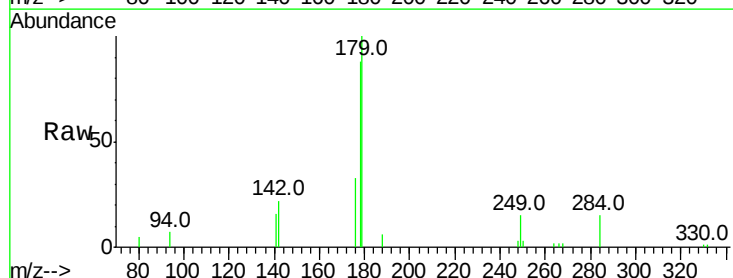
Tgt Ion:284 Resp: 1441

Ion Ratio Lower Upper

284 100

142 80.8 0.0 0.0#

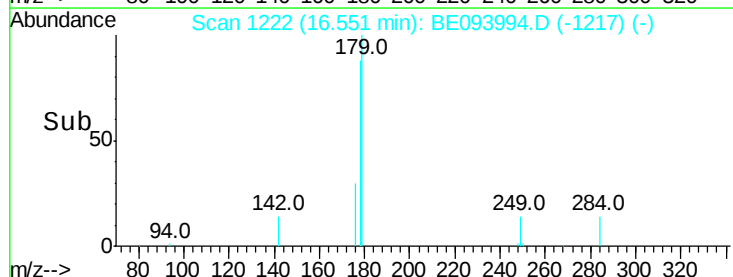
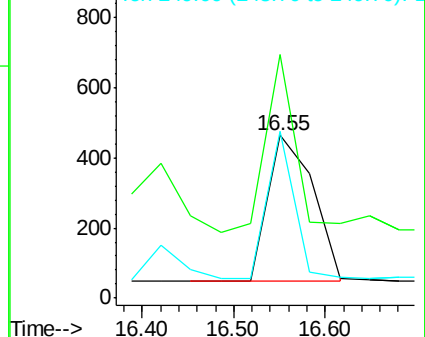
249 59.3 0.0 0.0#

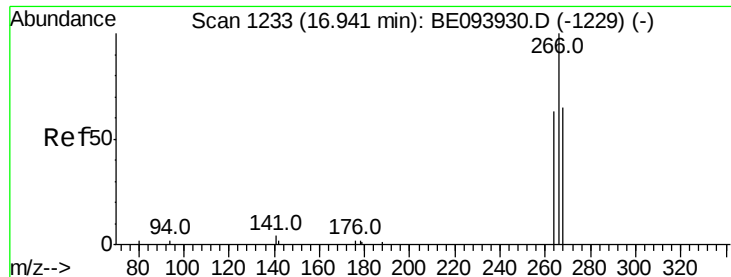


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

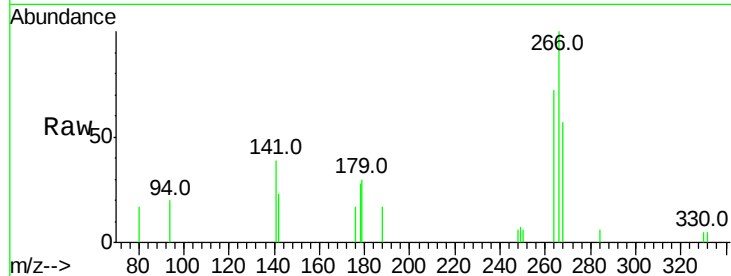




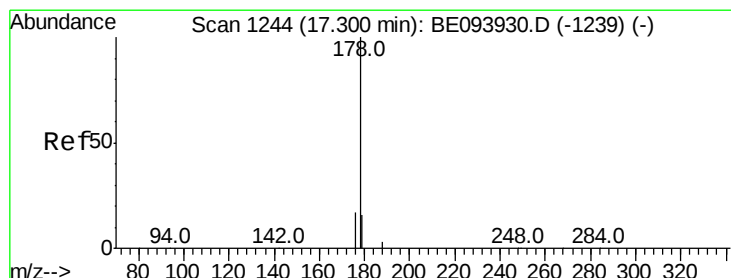
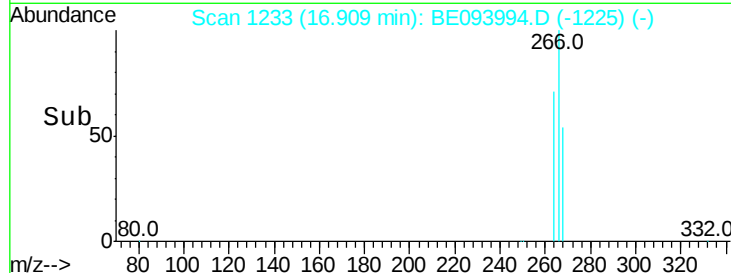
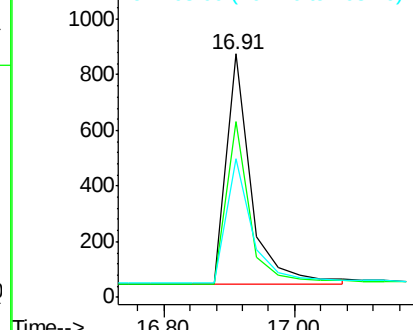
#22
 Pentachlorophenol
 Concen: 0.308 ng
 RT: 16.91 min Scan# 1233
 Delta R.T. -0.03 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

Instrument :
 BNA_E
 ClientSampleId :
 C19013061MS

Tot Ion:266 Resp: 2179
 Ion Ratio Lower Upper
 266 100
 264 72.3 53.5 80.3
 268 57.0 60.0 90.0#

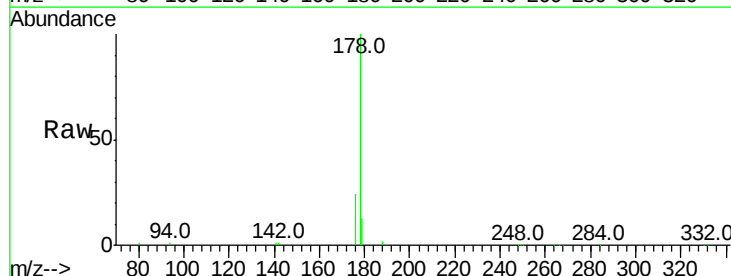


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

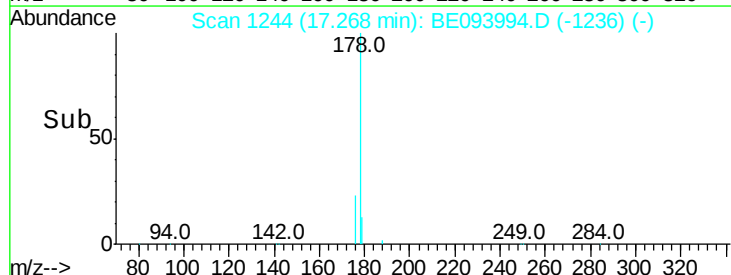
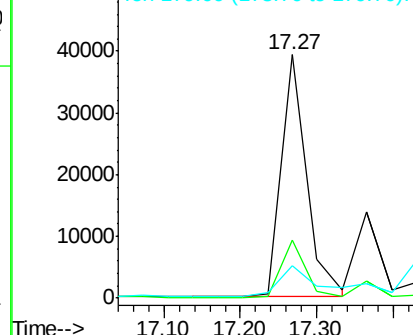


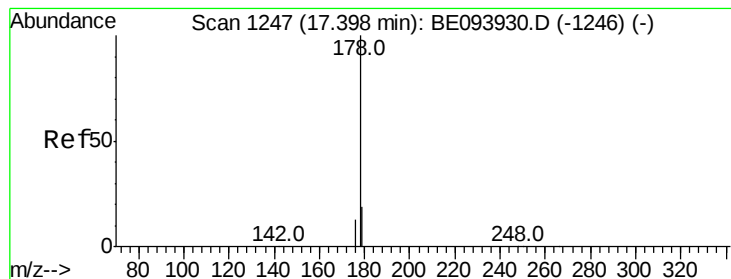
#23
 Phenanthrene
 Concen: 0.715 ng
 RT: 17.27 min Scan# 1244
 Delta R.T. -0.03 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

Tgt Ion:178 Resp: 91867
 Ion Ratio Lower Upper
 178 100
 176 22.0 0.0 0.0#
 179 18.4 12.6 18.8



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: 0.218 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

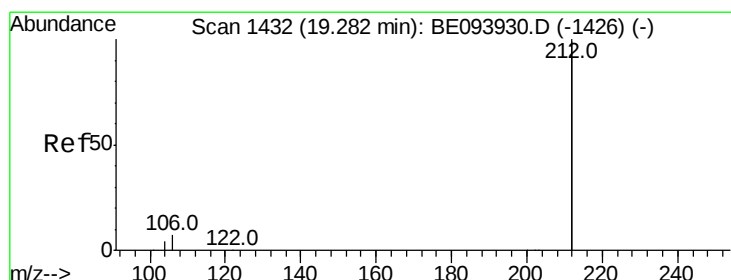
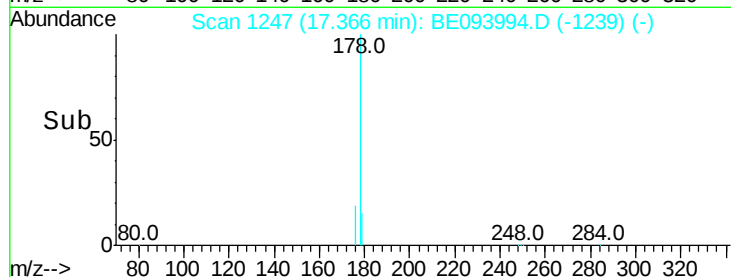
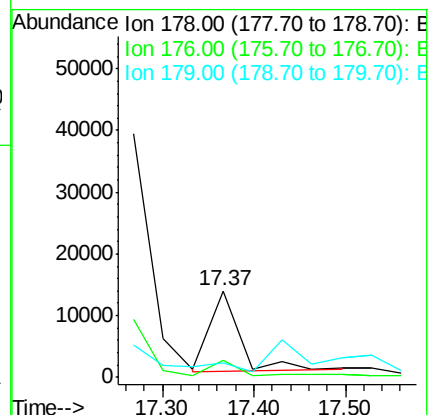
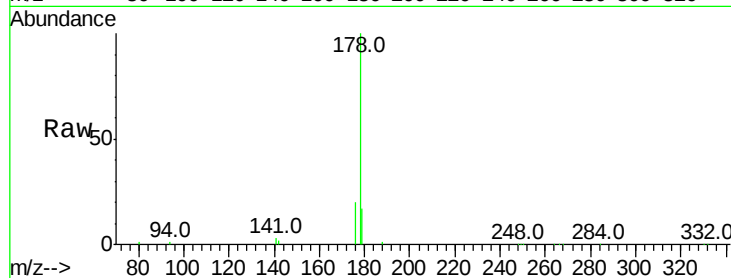
Tot Ion:178 Resp: 29619

Ion Ratio Lower Upper

178 100

176 20.4 16.0 24.0

179 0.0 0.0 0.0



#25

Fluoranthene-d10

Concen: 0.095 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

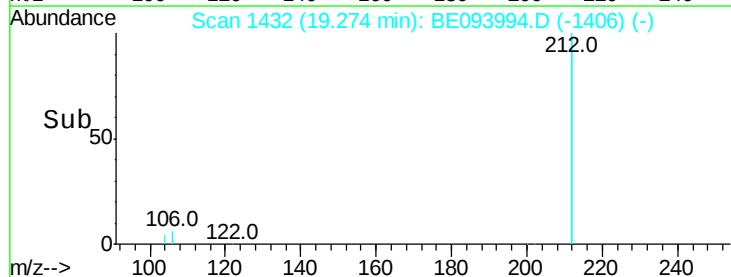
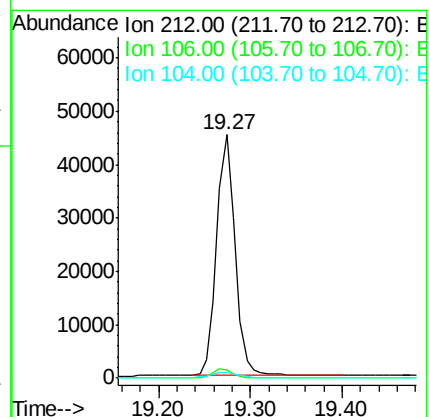
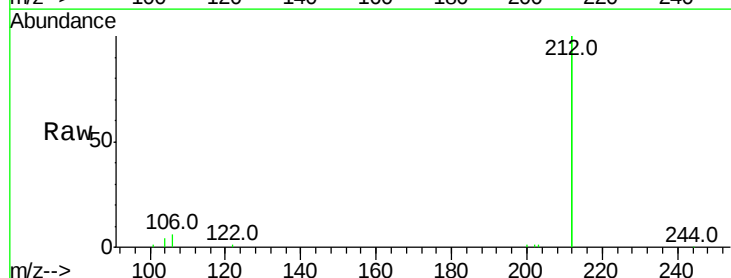
Tgt Ion:212 Resp: 63302

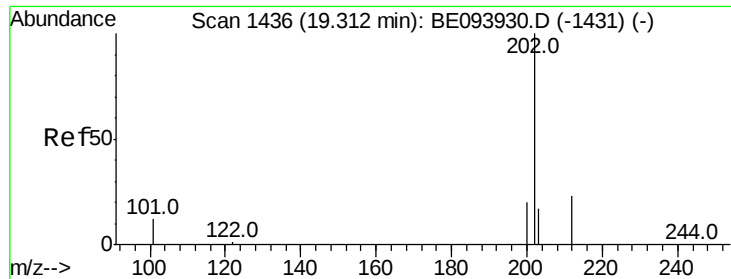
Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

104 2.9 1.6 2.4#

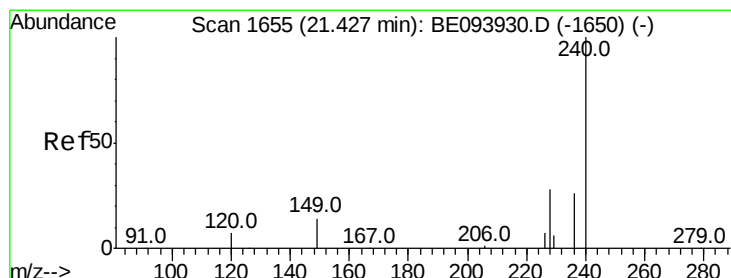
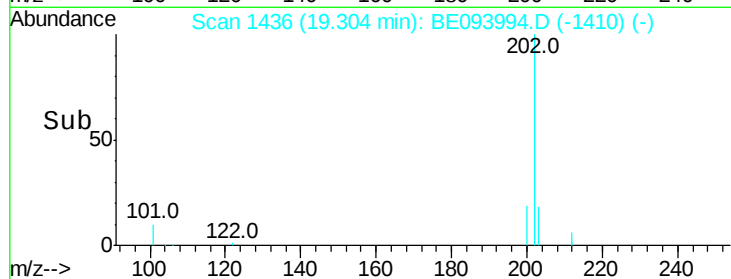
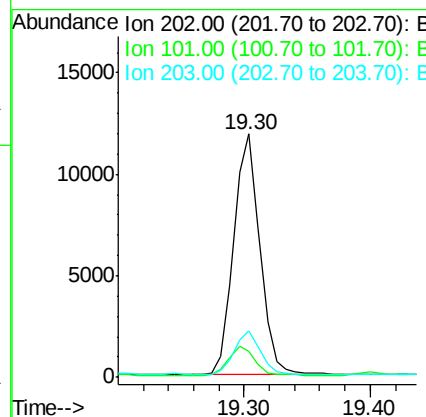
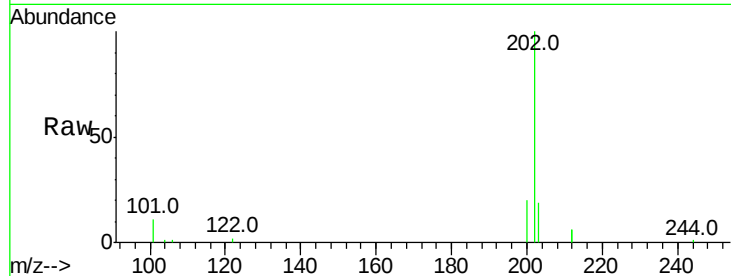




#26
 Fluoranthene
 Concen: 0.086 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

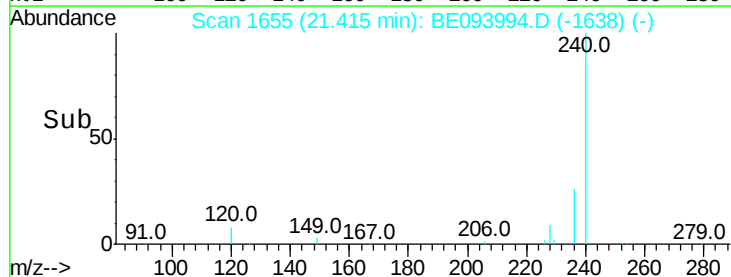
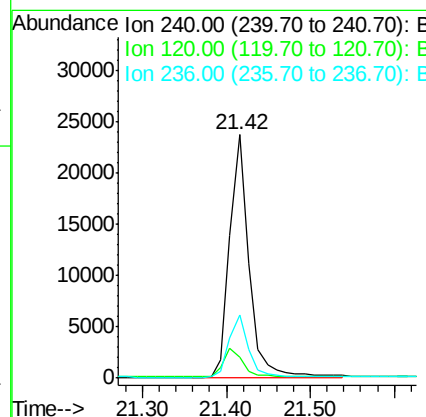
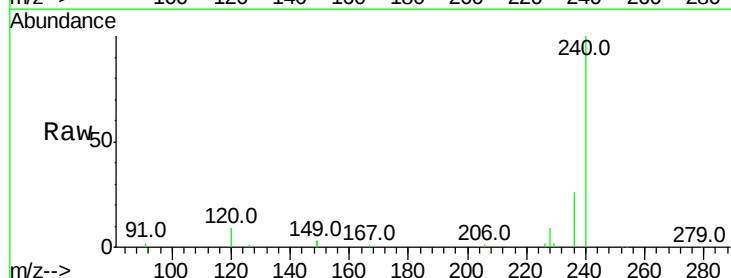
Instrument :
 BNA_E
 ClientSampleId :
 C19013061MS

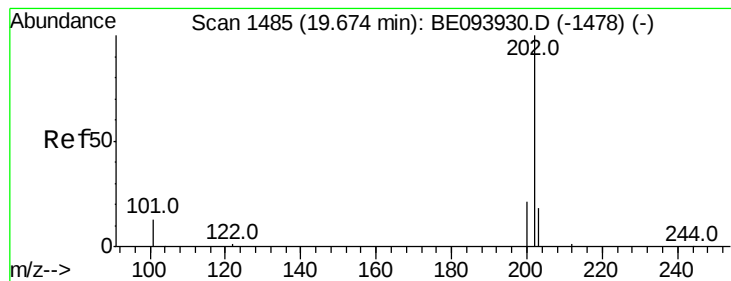
Tot Ion:202 Resp: 17119
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.7 14.5
 203 17.8 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

Tgt Ion:240 Resp: 37735
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.7 13.1#
 236 26.1 21.3 31.9





#28

Pvrene

Concen: 0.138 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

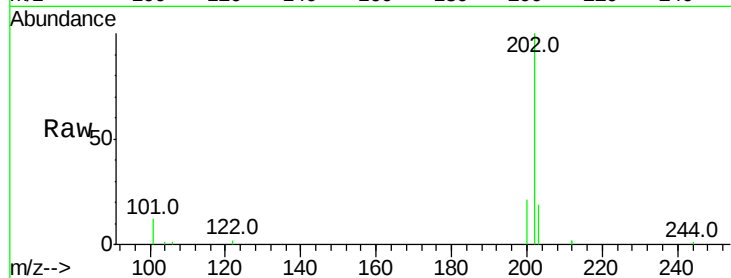
Tot Ion:202 Resp: 17961

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

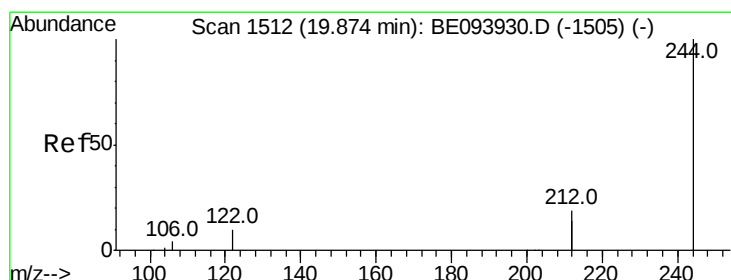
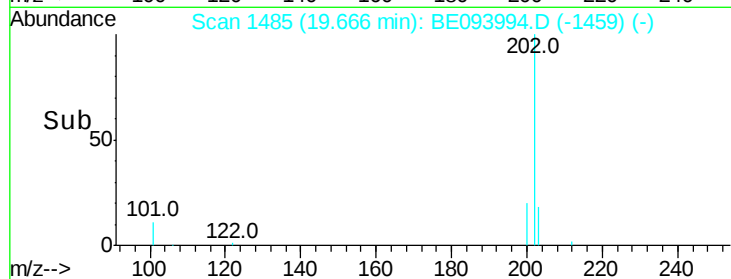
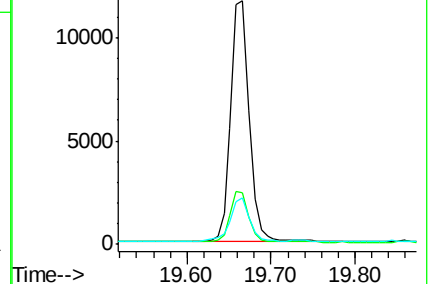
203 18.6 14.2 21.4



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: 0.184 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

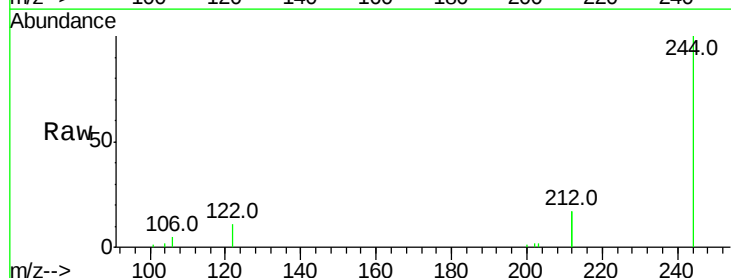
Tgt Ion:244 Resp: 12763

Ion Ratio Lower Upper

244 100

212 34.7 28.3 42.5

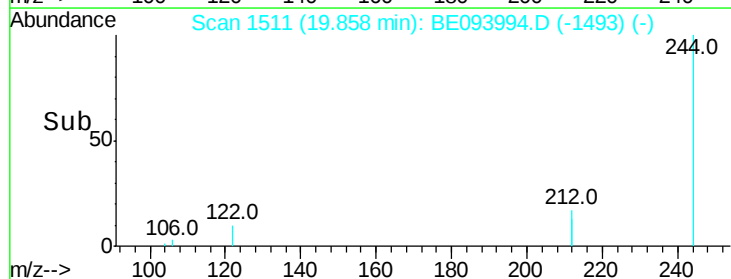
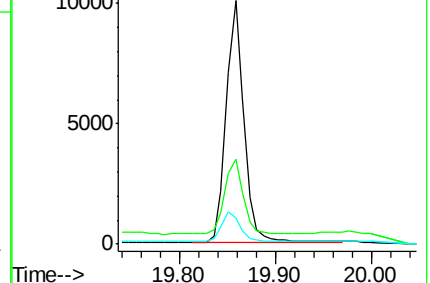
122 10.8 9.4 14.0

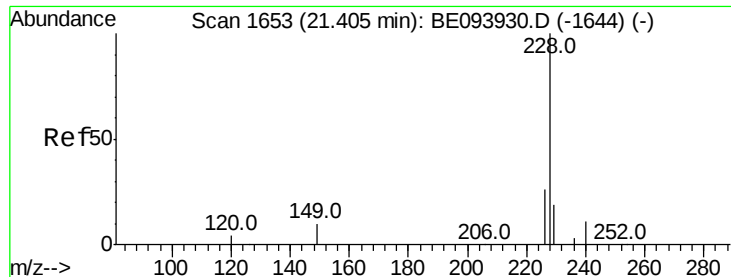


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.129 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

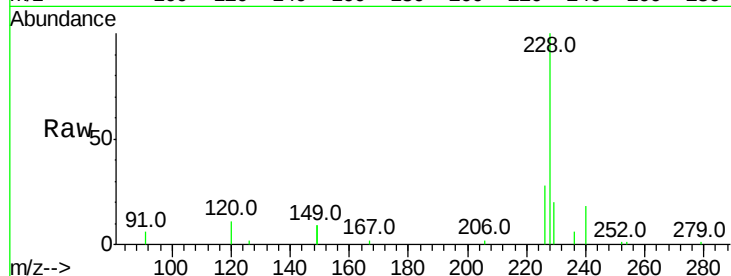
Tot Ion:228 Resp: 14999

Ion Ratio Lower Upper

228 100

226 27.9 20.8 31.2

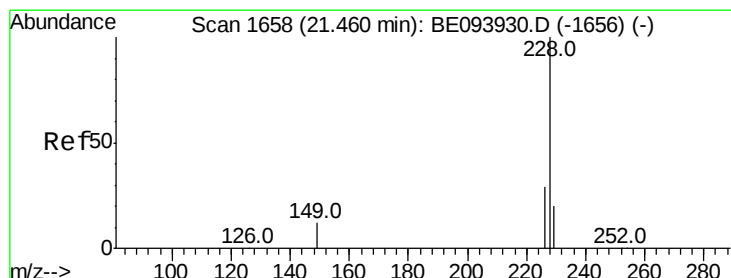
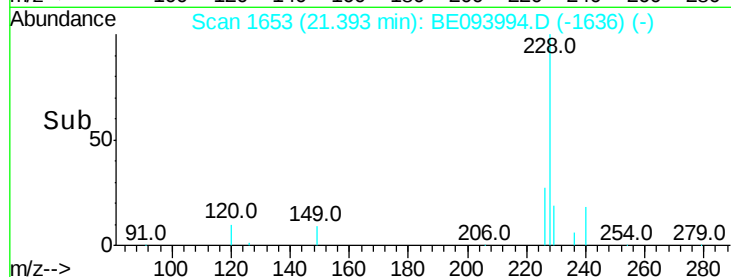
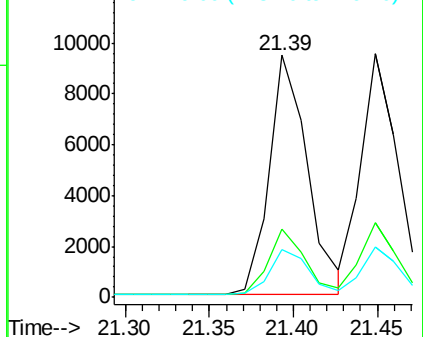
229 19.8 16.6 25.0



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: 0.125 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

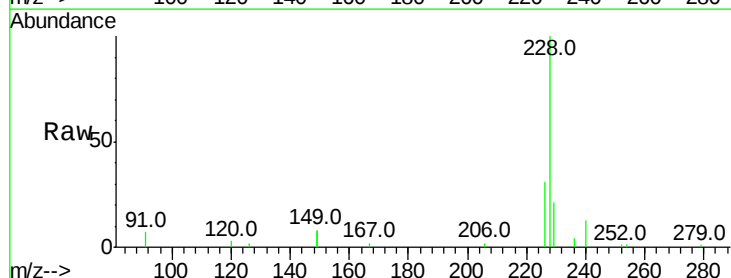
Tgt Ion:228 Resp: 15357

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

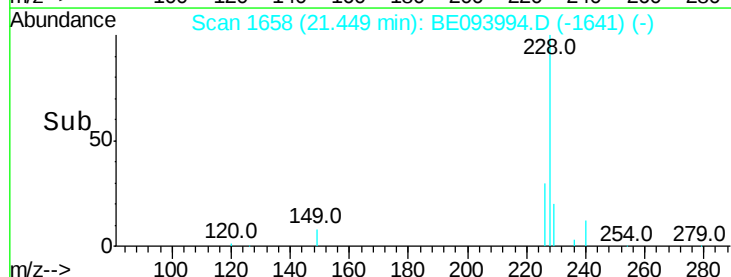
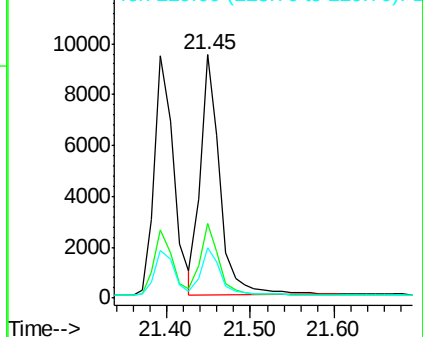
229 20.7 15.8 23.8

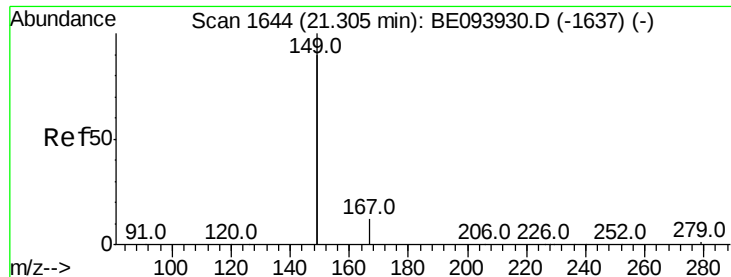


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.183 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

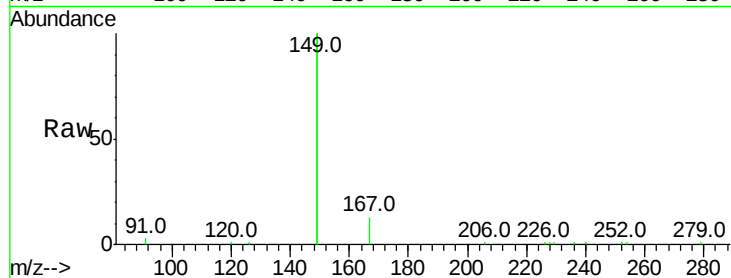
Tot Ion:149 Resp: 51380

Ion Ratio Lower Upper

149 100

167 7.9 5.4 8.0

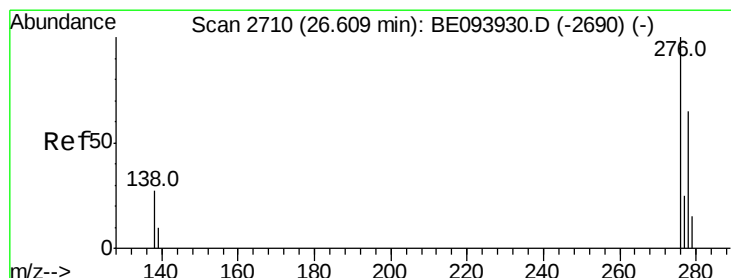
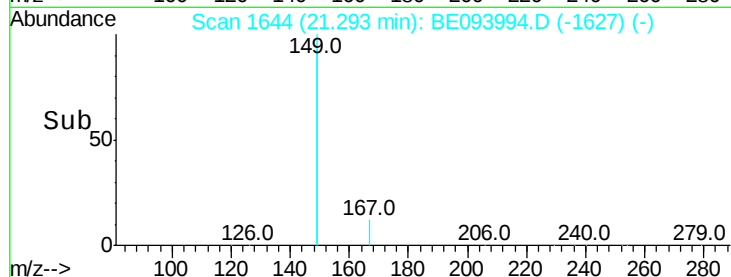
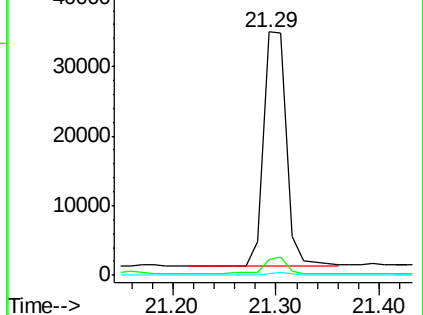
279 0.9 0.7 1.1



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: 0.102 ng

RT: 26.60 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

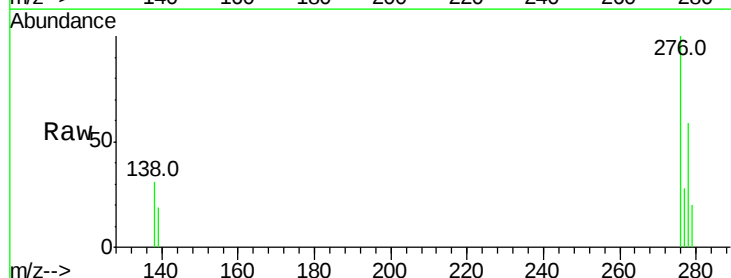
Tgt Ion:276 Resp: 8306

Ion Ratio Lower Upper

276 100

138 24.1 22.2 33.2

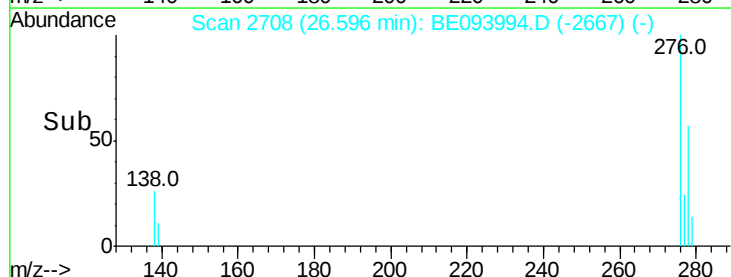
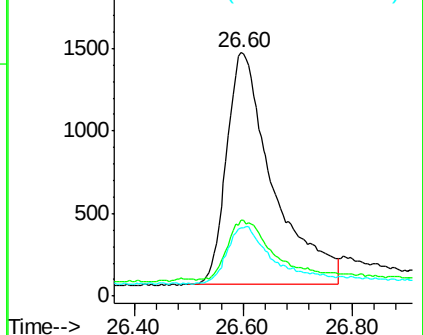
277 25.3 19.5 29.3

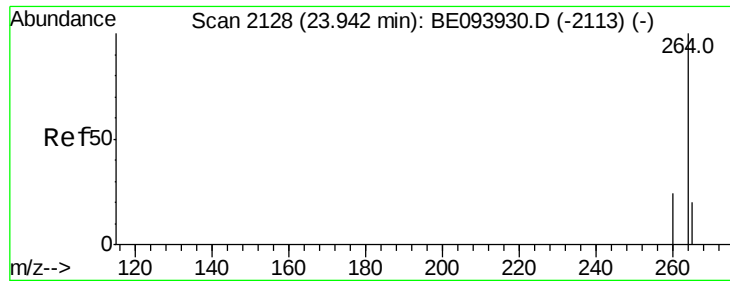


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

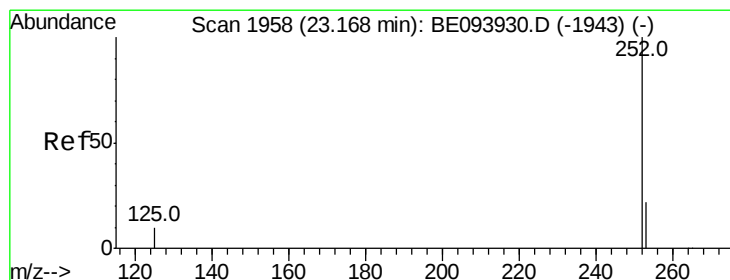
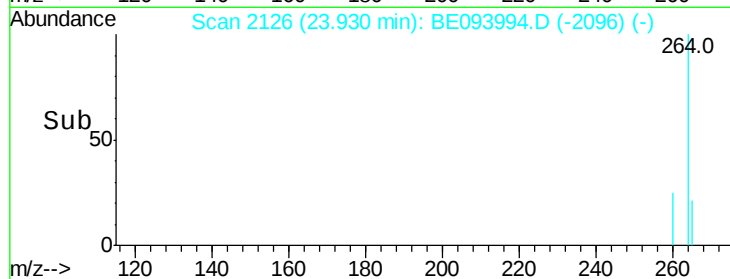
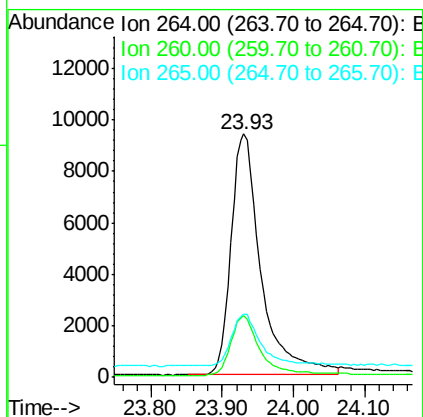
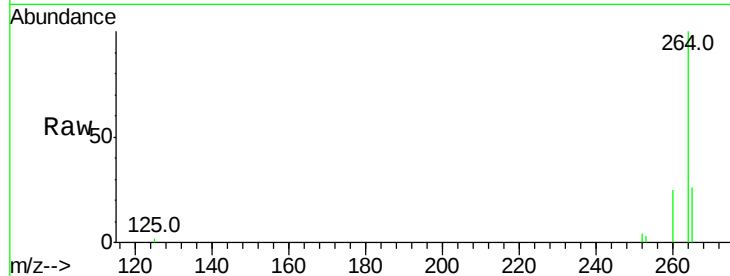




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

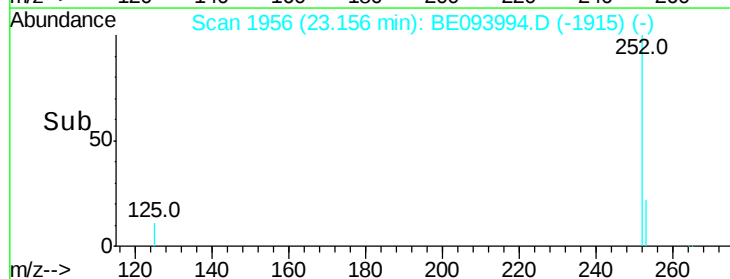
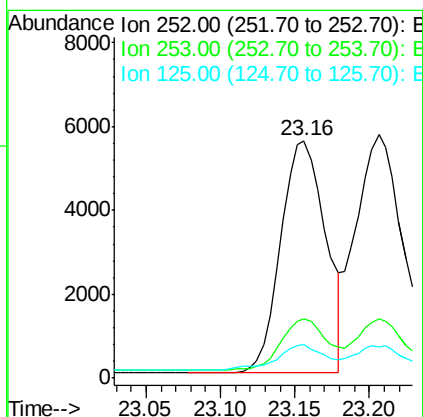
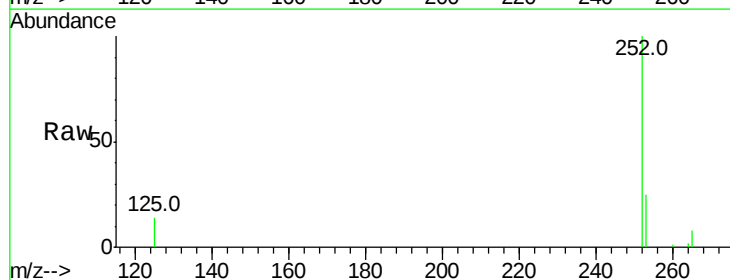
Instrument :
 BNA_E
 ClientSampleId :
 C19013061MS

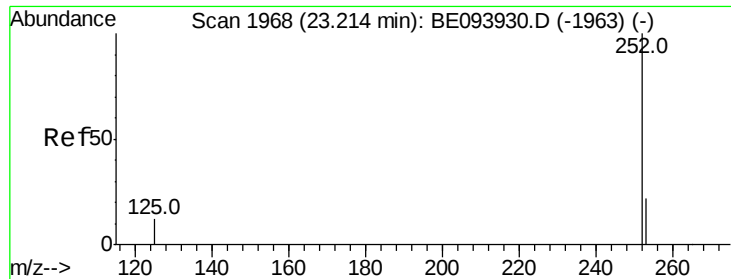
Tot Ion:264 Resp: 27705
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.0 30.0
 265 25.9 24.0 36.0



#35
 Benzo(b)fluoranthene
 Concen: 0.132 ng
 RT: 23.16 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

Tgt Ion:252 Resp: 11624
 Ion Ratio Lower Upper
 252 100
 253 25.0 19.4 29.0
 125 14.0 10.0 15.0





#36

Benzo(k)fluoranthene

Concen: 0.132 ng

RT: 23.21 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

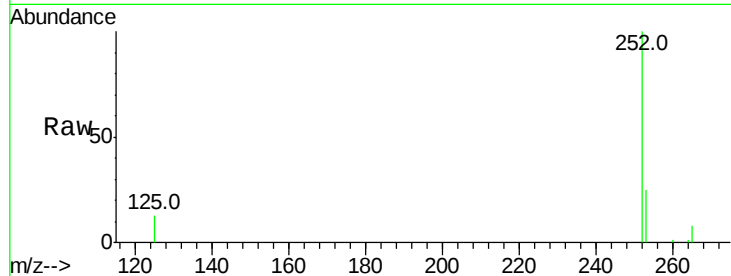
Tot Ion:252 Resp: 14305

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

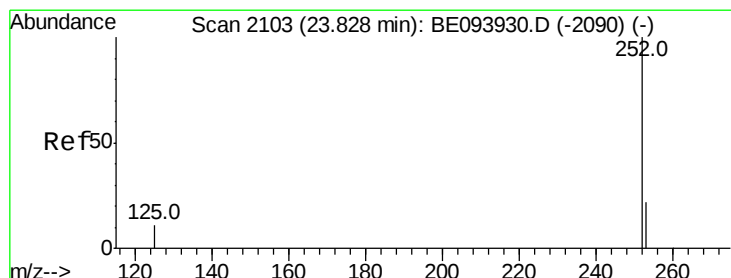
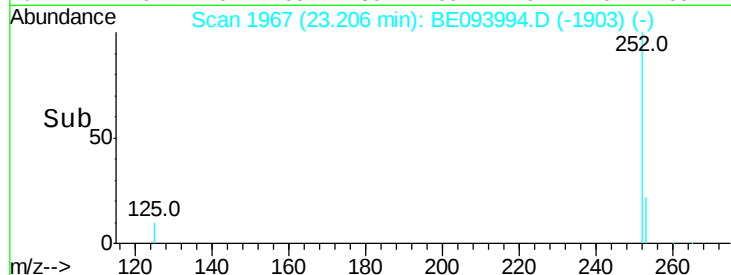
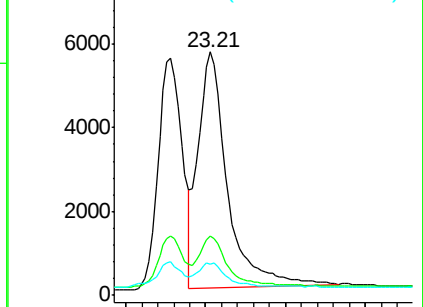
125 12.9 9.8 14.6



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: 0.128 ng

RT: 23.82 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

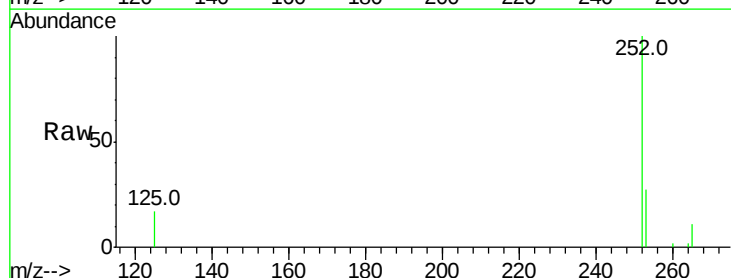
Tgt Ion:252 Resp: 11532

Ion Ratio Lower Upper

252 100

253 26.8 19.6 29.4

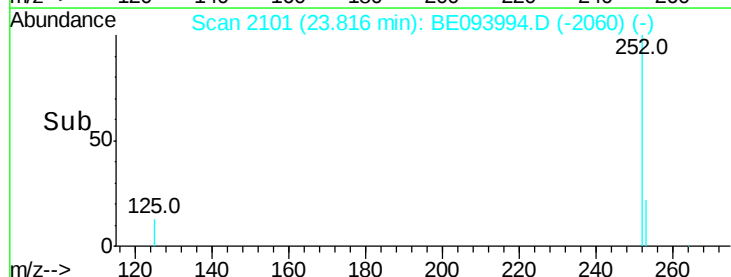
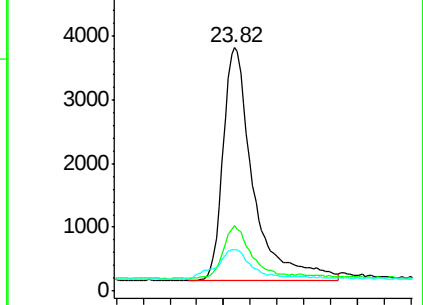
125 17.2 11.8 17.8

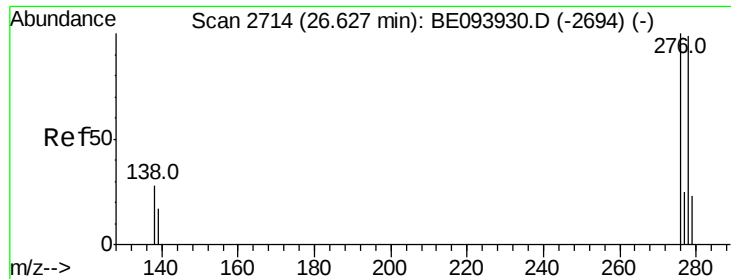


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 26.61 min Scan# 2712

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

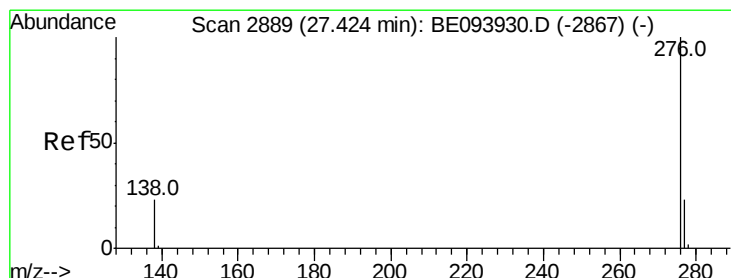
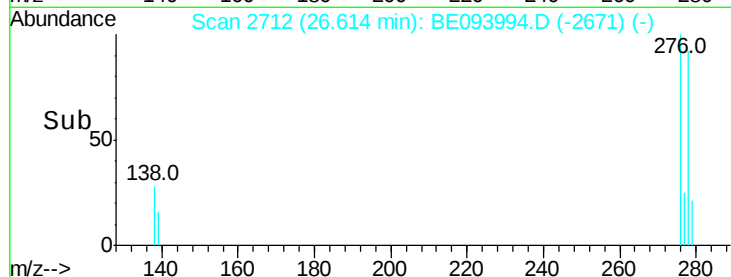
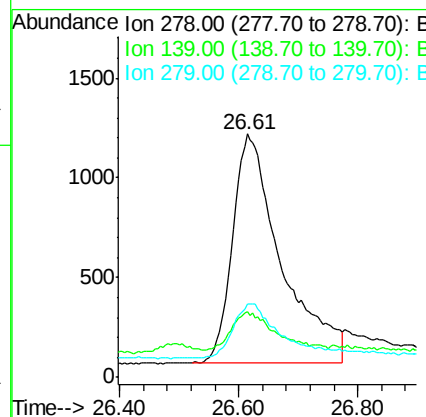
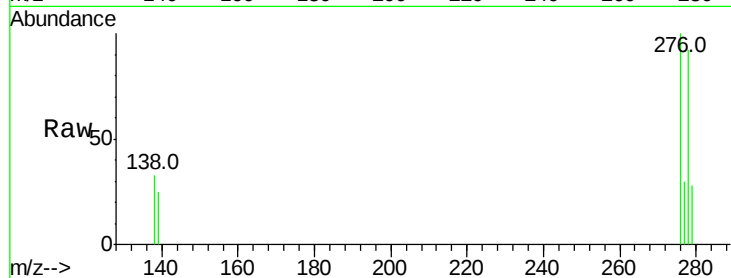
Tot Ion:278 Resp: 6542

Ion Ratio Lower Upper

278 100

139 27.1 16.7 25.1#

279 30.1 21.6 32.4



#39

Benzo(g,h,i)perylene

Concen: 0.116 ng

RT: 27.42 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Tgt Ion:276 Resp: 7275

Ion Ratio Lower Upper

276 100

277 26.4 20.6 30.8

138 28.1 21.9 32.9

