

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100417\
 Data File : BE094170.D
 Acq On : 4 Oct 2017 17:08
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 04 20:21:15 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 29 13:57:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1407	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7595	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3920	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	12092	0.40	ng	0.00
27) Chrysene-d12	21.40	240	10697	0.40	ng	0.00
34) Perylene-d12	23.91	264	10152	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1882	0.35	ng	0.00
5) Phenol-d6	7.09	99	2956	0.40	ng	0.00
8) Nitrobenzene-d5	9.06	82	2345	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3910	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	598	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5051	0.39	ng	0.00
25) Fluoranthene-d10	19.27	212	46100	0.39	ng	0.00
29) Terphenyl-d14	19.85	244	7997	0.41	ng	0.00

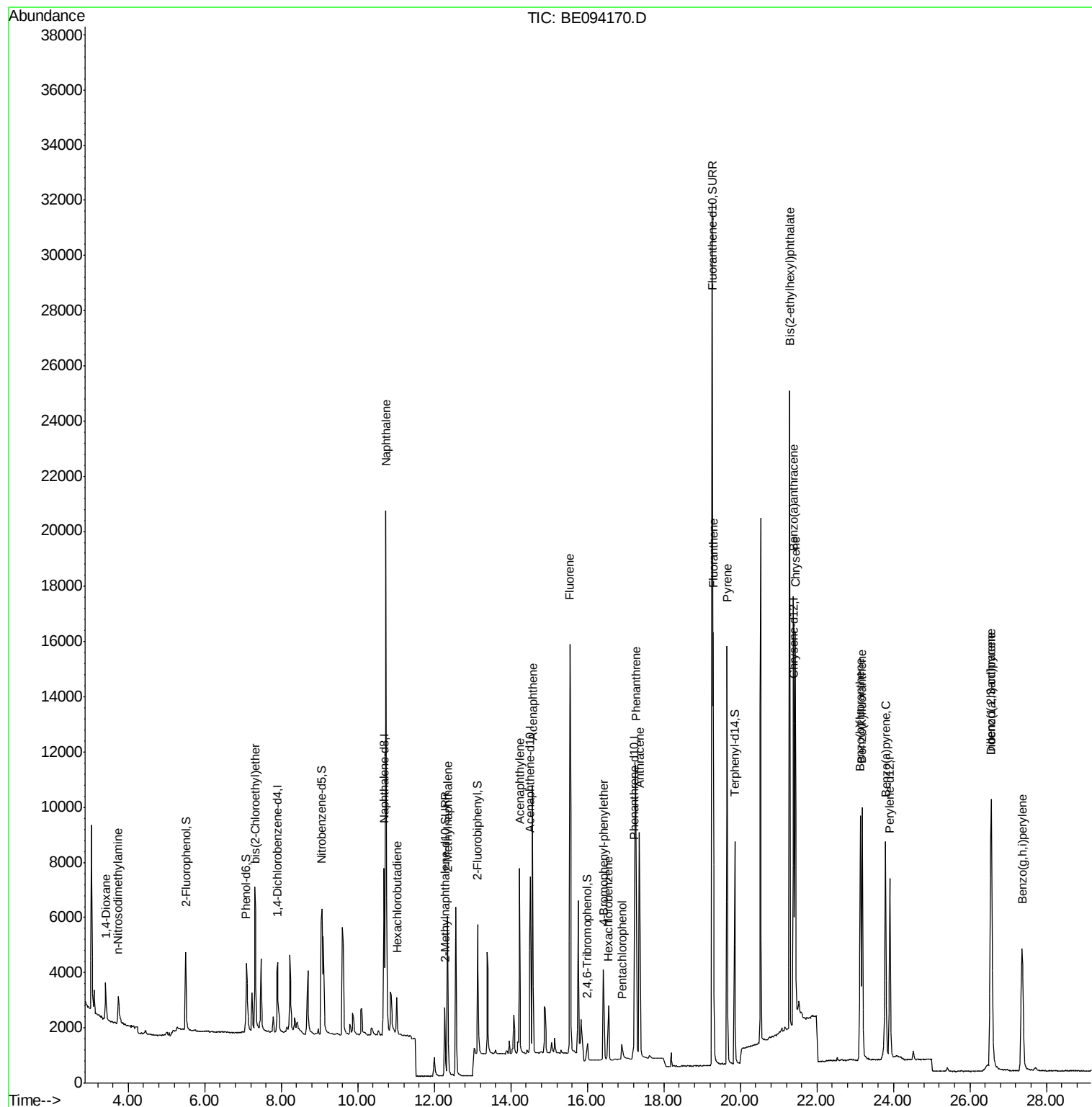
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	1020	0.372	ng	# 92
3) n-Nitrosodimethylamine	3.73	42	1038	0.296	ng	# 94
6) bis(2-Chloroethyl)ether	7.33	93	2133	0.371	ng	95
9) Naphthalene	10.74	128	34495	0.402	ng	100
10) Hexachlorobutadiene	11.03	225	1207	0.375	ng	99
12) 2-Methylnaphthalene	12.35	142	4669	0.336	ng	98
16) Acenaphthylene	14.23	152	7761	0.395	ng	99
17) Acenaphthene	14.57	154	5197	0.423	ng	99
18) Fluorene	15.55	166	6914	0.415	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	2603	0.525	ng	95
21) Hexachlorobenzene	16.55	284	2265	0.723	ng	91
22) Pentachlorophenol	16.91	266	657	0.229	ng	# 76
23) Phenanthrene	17.27	178	16092	0.520	ng	99
24) Anthracene	17.37	178	12712	0.392	ng	100
26) Fluoranthene	19.29	202	14156	0.408	ng	100
28) Pyrene	19.65	202	14643	0.432	ng	99
30) Benzo(a)anthracene	21.38	228	13889	0.386	ng	99
31) Chrysene	21.44	228	13625	0.392	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	31031	0.089	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	13953	0.375	ng	99
35) Benzo(b)fluoranthene	23.14	252	13009	0.355	ng	98
36) Benzo(k)fluoranthene	23.19	252	13666	0.390	ng	99
37) Benzo(a)pyrene	23.79	252	12933	0.391	ng	# 95
38) Dibenzo(a,h)anthracene	26.56	278	11752	0.375	ng	98
39) Benzo(g,h,i)perylene	27.37	276	11998	0.387	ng	97

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

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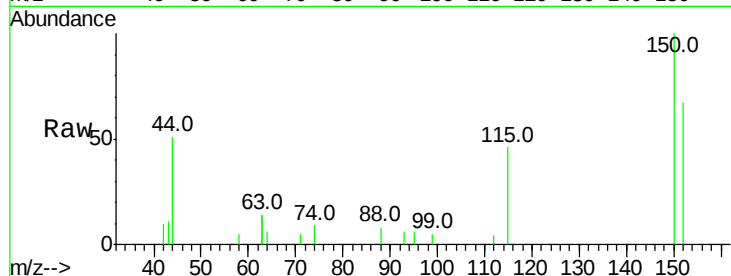


#1

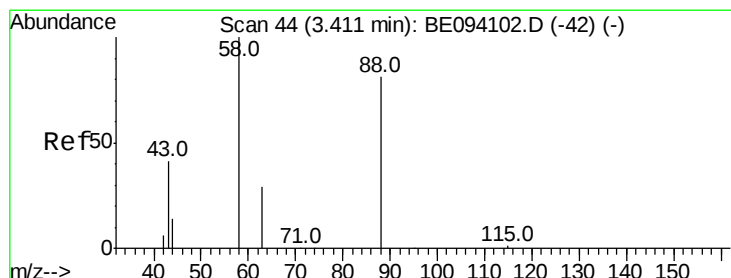
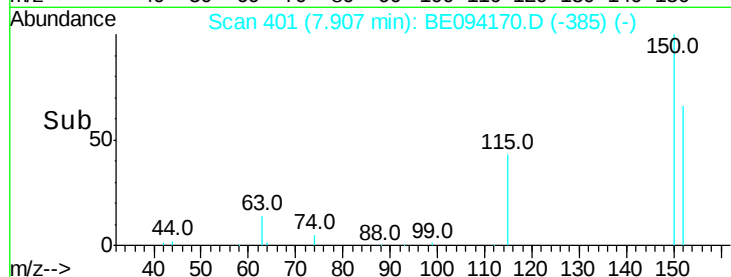
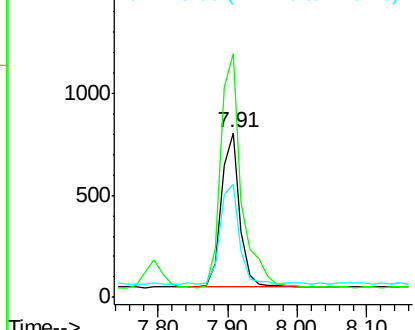
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094170.D
Acq: 4 Oct 2017 17:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1407
Ion Ratio Lower Upper
152 100
150 148.3 117.2 175.8
115 68.7 57.0 85.6



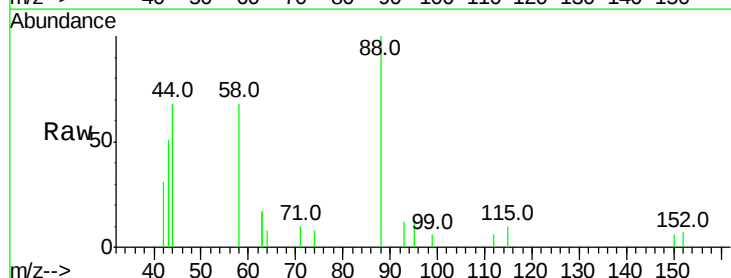
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



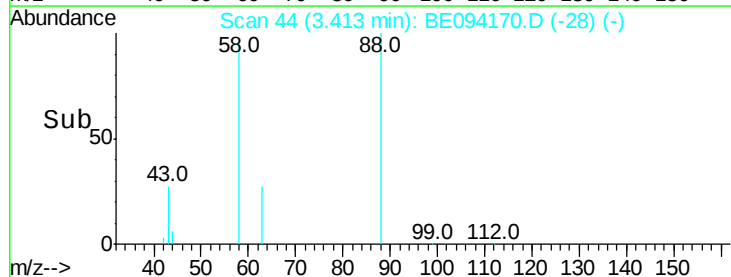
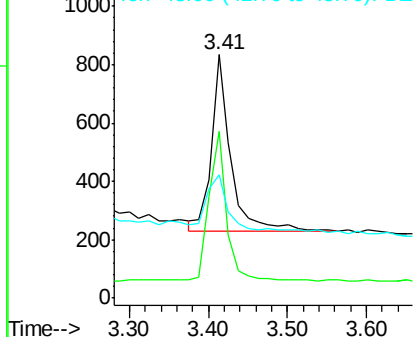
#2

1,4-Dioxane
Concen: 0.372 ng
RT: 3.41 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE094170.D
Acq: 4 Oct 2017 17:08

Tgt Ion: 88 Resp: 1020
Ion Ratio Lower Upper
88 100
58 77.5 63.2 94.8
43 39.4 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.296 ng

RT: 3.73 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

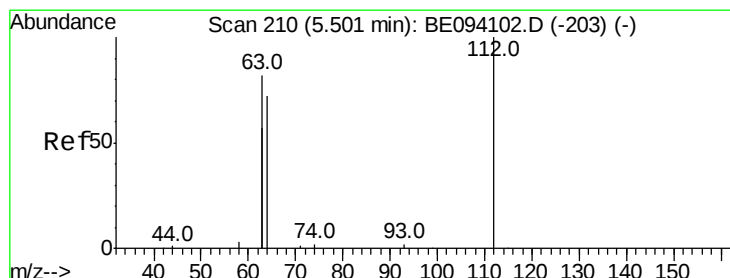
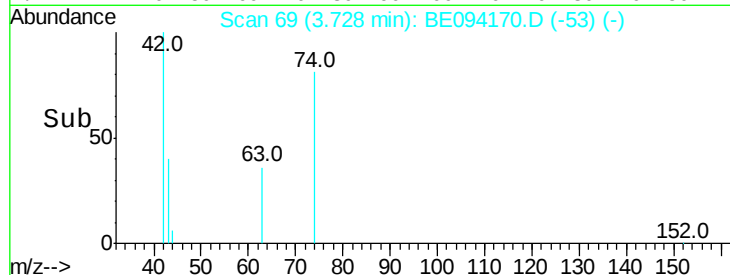
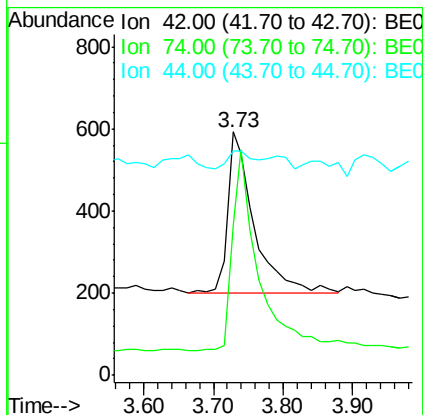
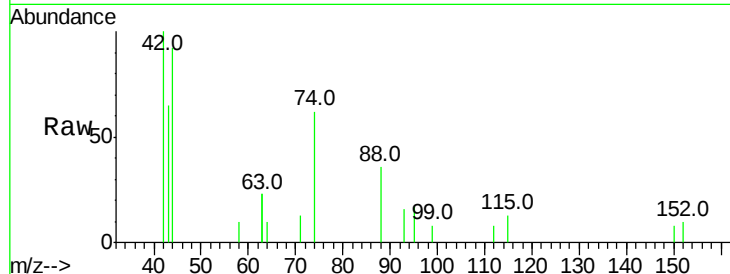
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 42 Resp: 1038

Ion	Ratio	Lower	Upper
42	100		
74	121.8	100.3	150.5
44	11.0	17.0	25.4#



#4

2-Fluorophenol

Concen: 0.353 ng

RT: 5.50 min Scan# 210

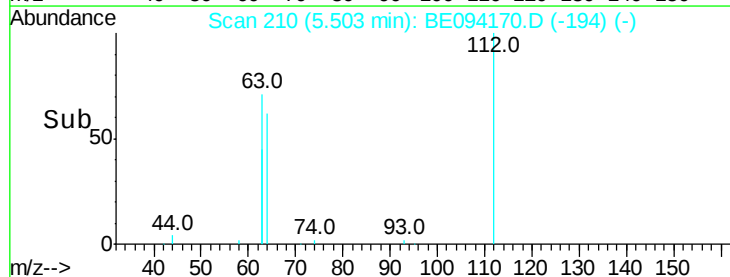
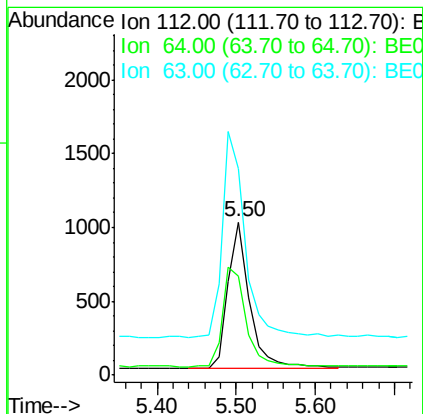
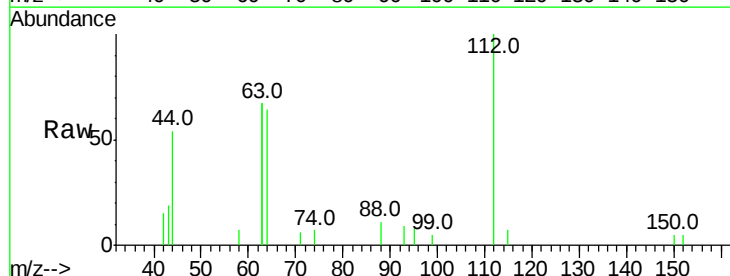
Delta R.T. 0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Tgt Ion: 112 Resp: 1882

Ion	Ratio	Lower	Upper
112	100		
64	74.8	60.1	90.1
63	152.3	116.8	175.2





#5

Phenol-d6

Concen: 0.399 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

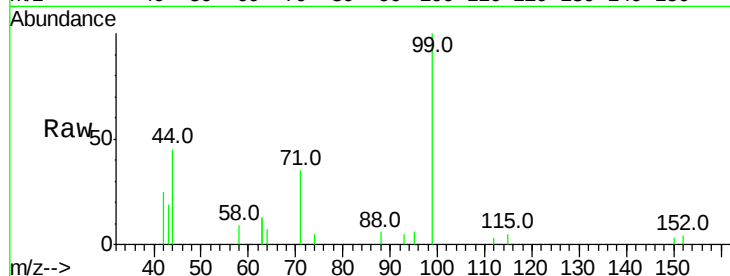
Tot Ion: 99 Resp: 2956

Ion Ratio Lower Upper

99 100

42 24.3 20.2 30.2

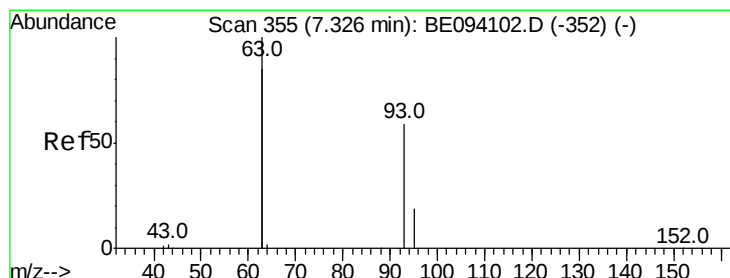
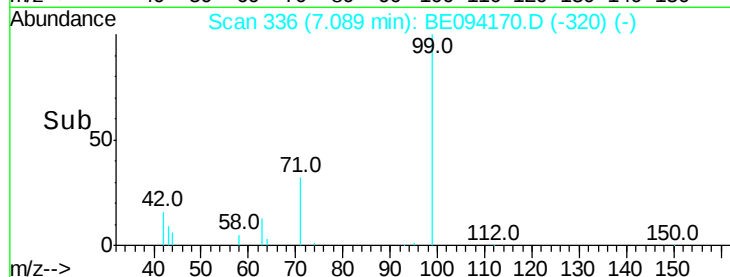
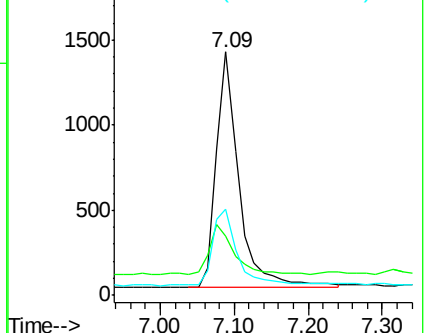
71 36.6 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.371 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

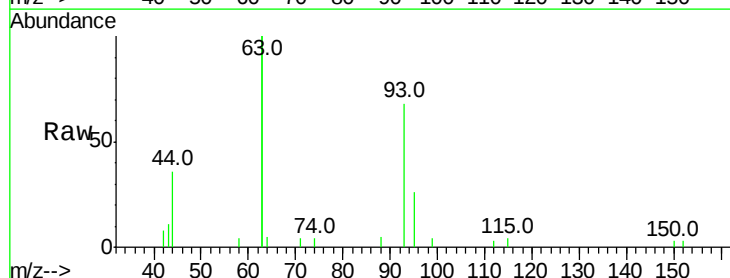
Tgt Ion: 93 Resp: 2133

Ion Ratio Lower Upper

93 100

63 356.7 275.3 412.9

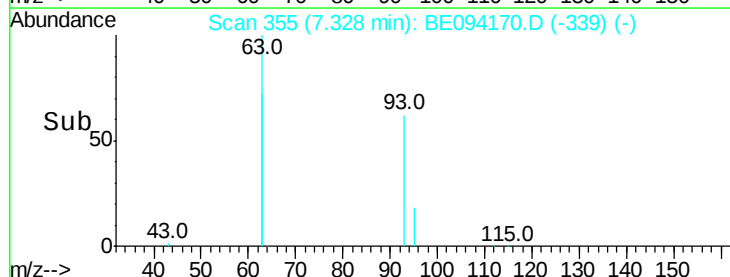
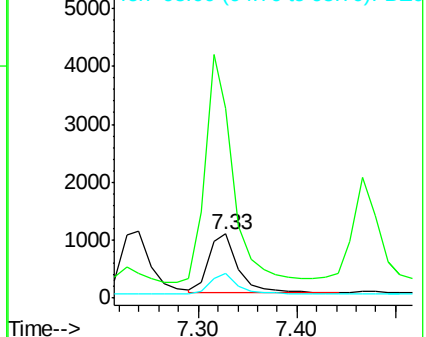
95 32.2 25.2 37.8



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: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7595

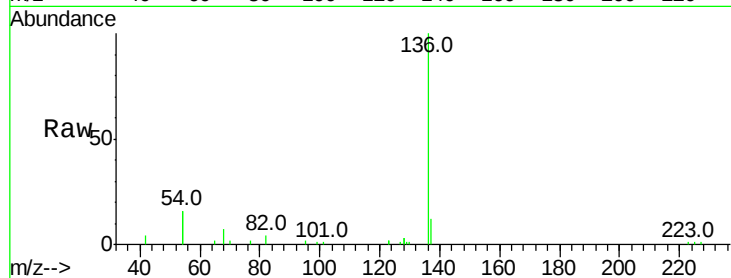
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 31.4 29.1 43.7

68 6.5 6.2 9.2

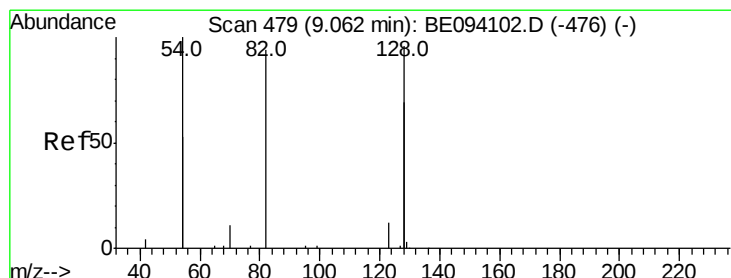
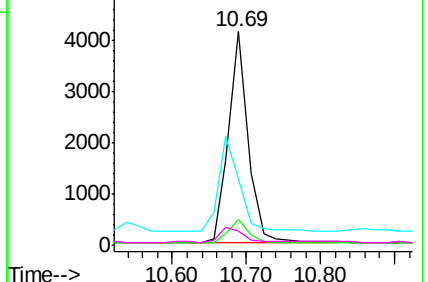
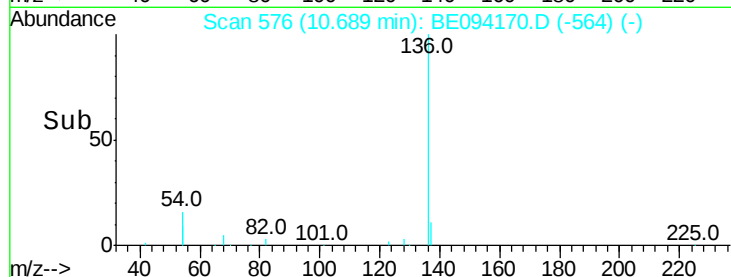


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.319 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

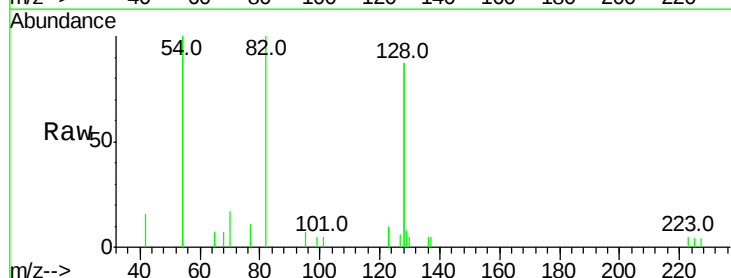
Tgt Ion: 82 Resp: 2345

Ion Ratio Lower Upper

82 100

128 174.8 150.0 225.0

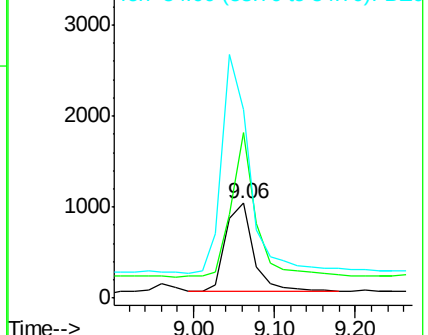
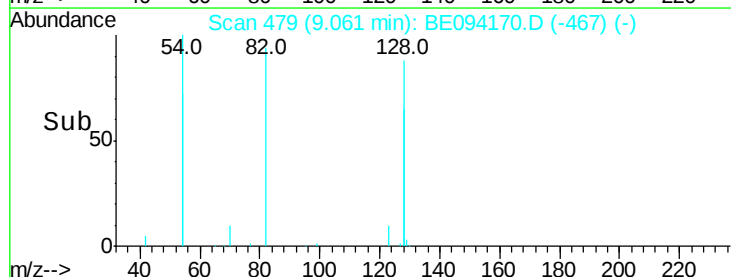
54 199.2 154.2 231.4



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: 0.402 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

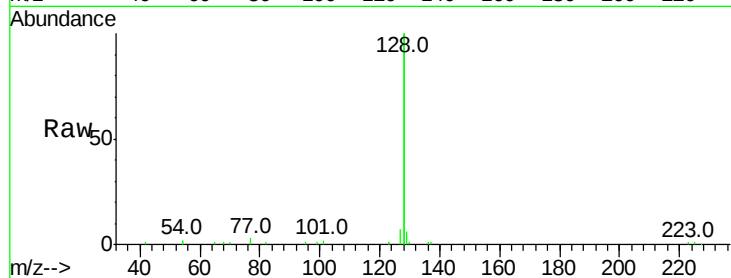
Tot Ion:128 Resp: 34495

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

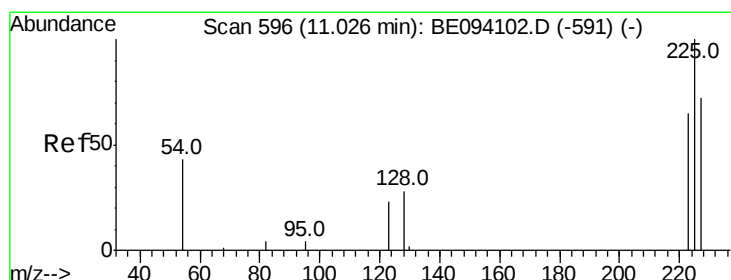
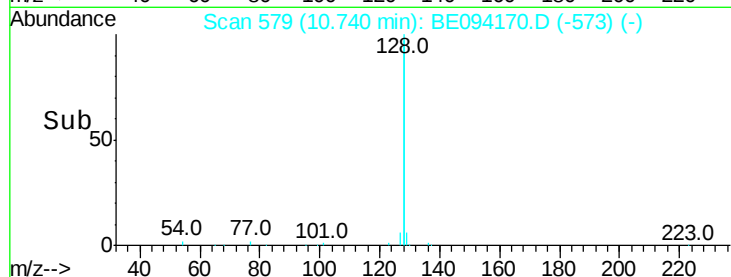
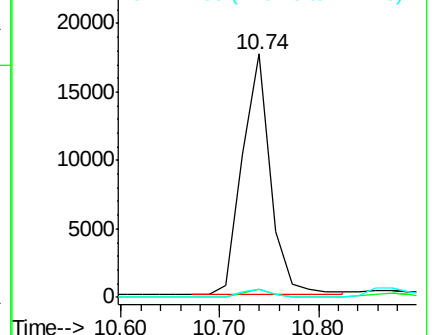
127 3.4 2.8 4.2



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: 0.375 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

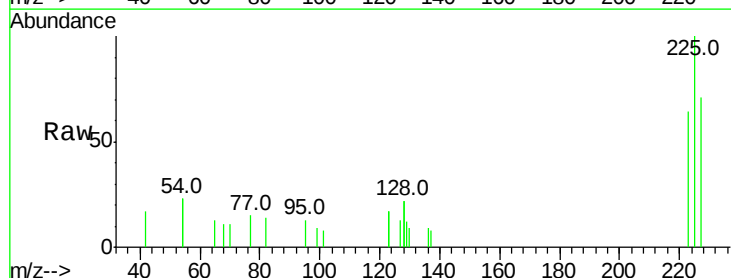
Tgt Ion:225 Resp: 1207

Ion Ratio Lower Upper

225 100

223 65.7 53.0 79.6

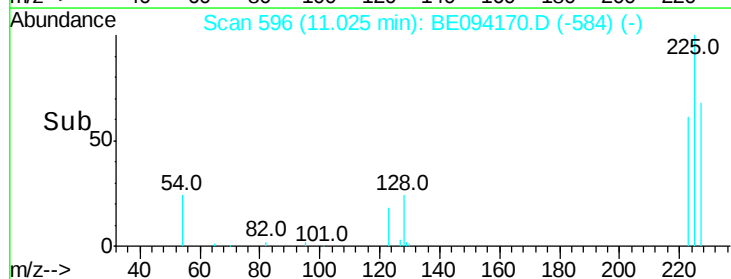
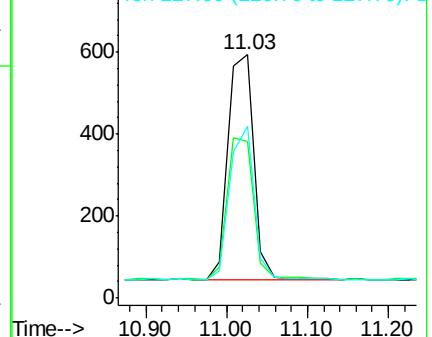
227 64.8 51.4 77.2

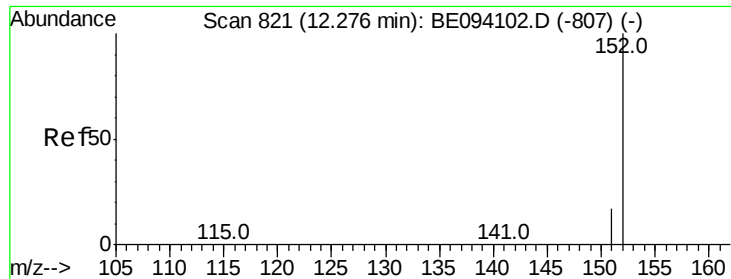


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

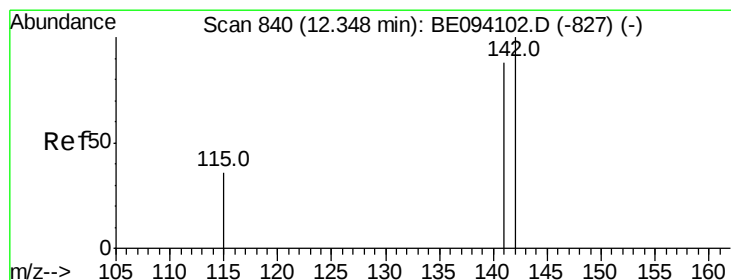
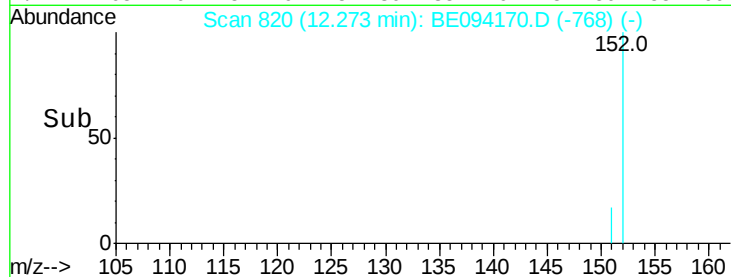
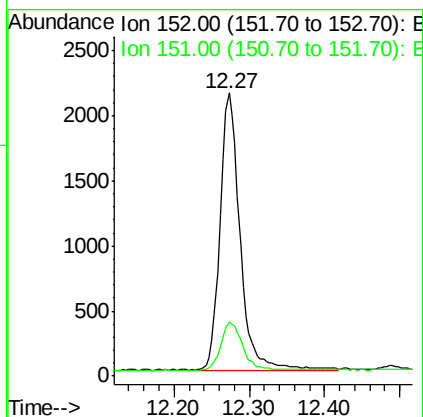
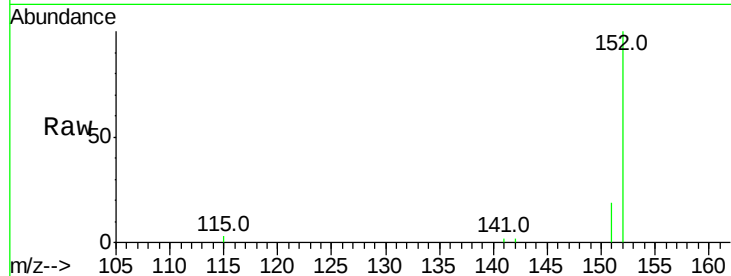




#11
 2-Methylnaphthalene-d10
 Concen: 0.334 ng
 RT: 12.27 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE094170.D
 Acq: 4 Oct 2017 17:08

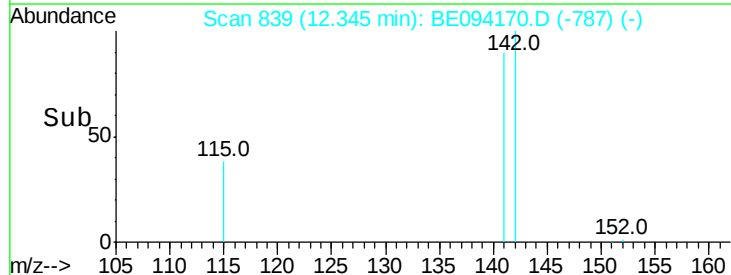
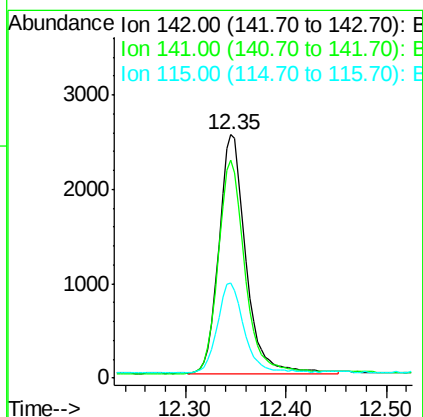
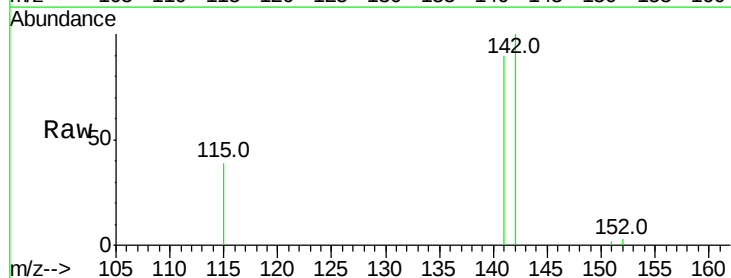
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 3910
 Ion Ratio Lower Upper
 152 100
 151 18.8 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.336 ng
 RT: 12.35 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BE094170.D
 Acq: 4 Oct 2017 17:08

Tgt Ion:142 Resp: 4669
 Ion Ratio Lower Upper
 142 100
 141 89.7 70.4 105.6
 115 39.1 31.7 47.5

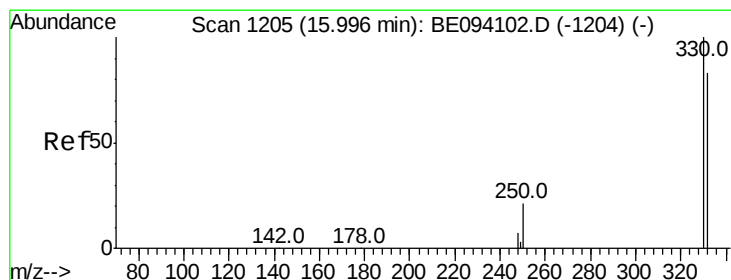
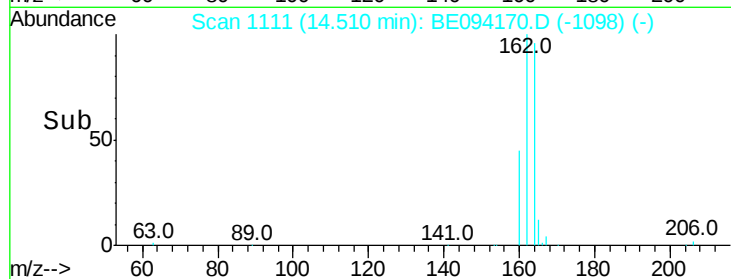
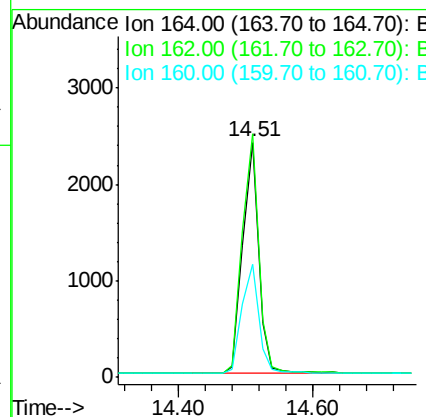
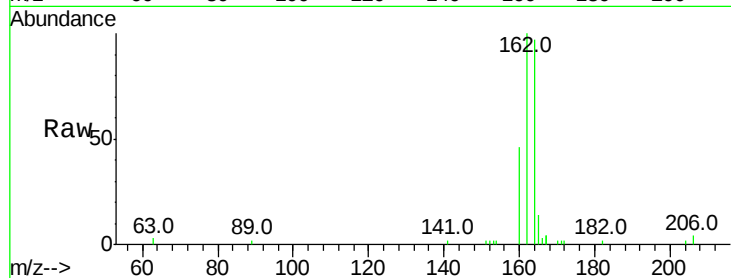




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094170.D
Acq: 4 Oct 2017 17:08

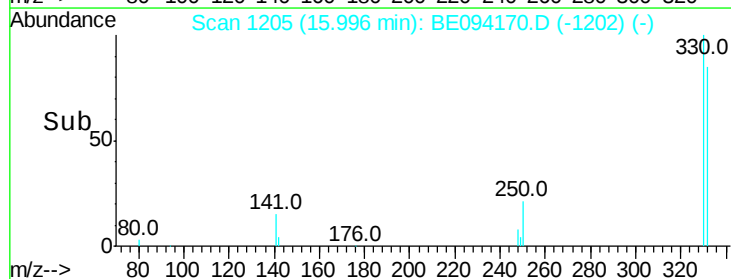
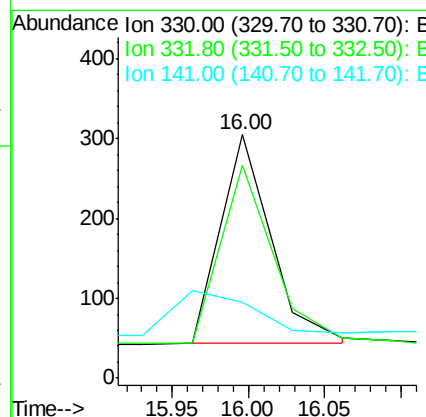
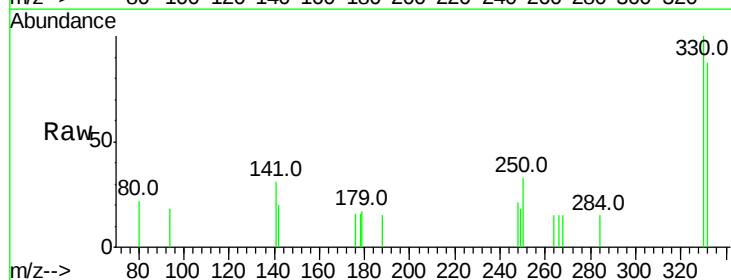
Instrument :
BNA_E
ClientSampleId :

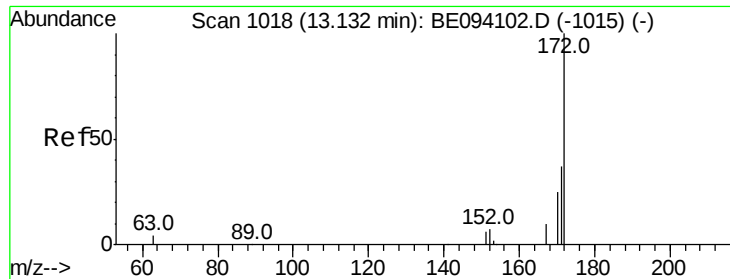
Tot Ion:164 Resp: 3920
Ion Ratio Lower Upper
164 100
162 103.6 83.1 124.7
160 47.9 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.252 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094170.D
Acq: 4 Oct 2017 17:08

Tgt Ion:330 Resp: 598
Ion Ratio Lower Upper
330 100
332 88.6 152.7 229.1#
141 0.0 33.7 50.5#

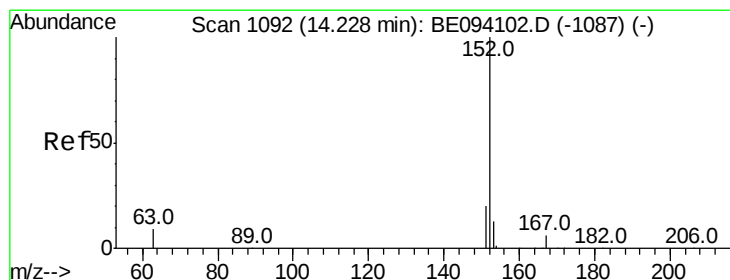
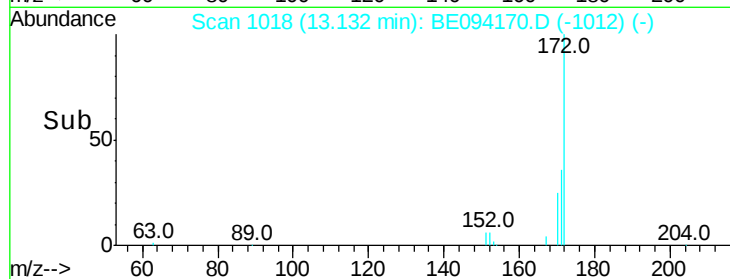
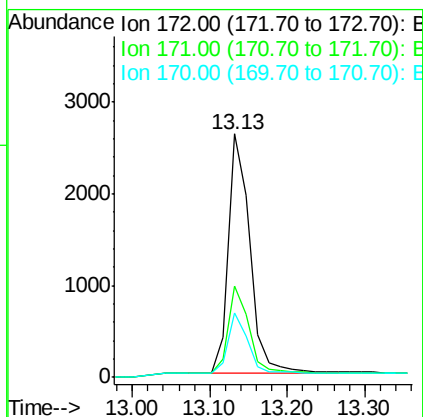
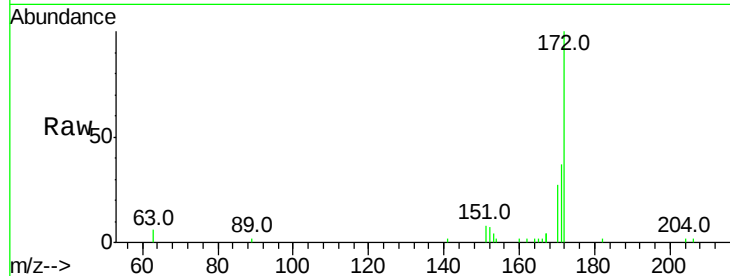




#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094170.D
Acq: 4 Oct 2017 17:08

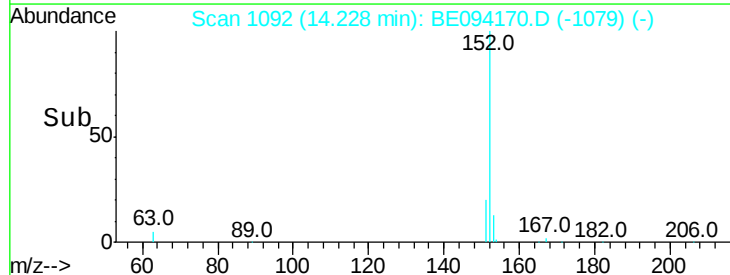
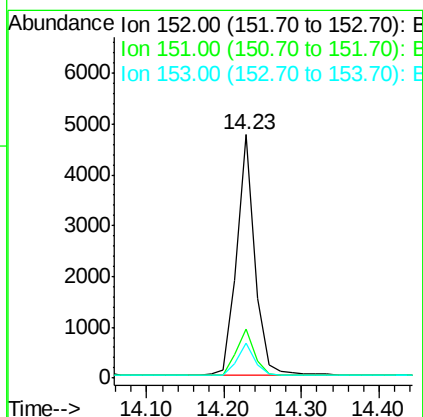
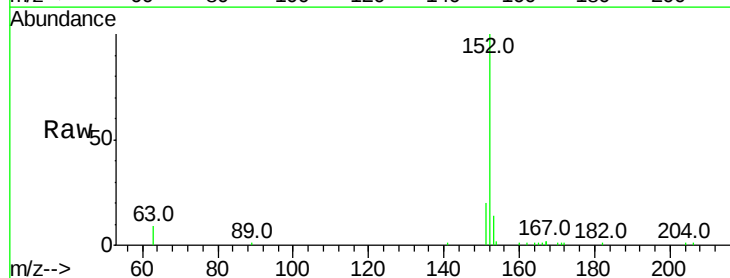
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5051
Ion Ratio Lower Upper
172 100
171 37.4 29.9 44.9
170 26.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.395 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094170.D
Acq: 4 Oct 2017 17:08

Tgt Ion:152 Resp: 7761
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.6 10.5 15.7





#17

Acenaphthene

Concen: 0.423 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

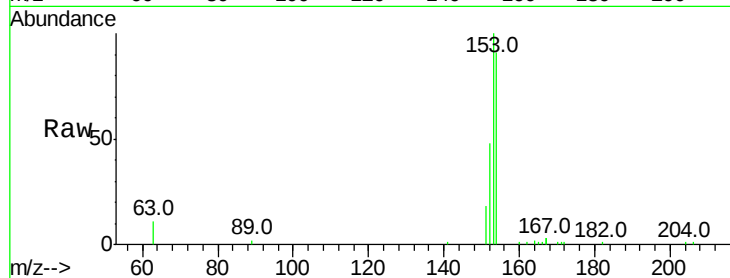
Tot Ion:154 Resp: 5197

Ion Ratio Lower Upper

154 100

153 111.8 89.2 133.8

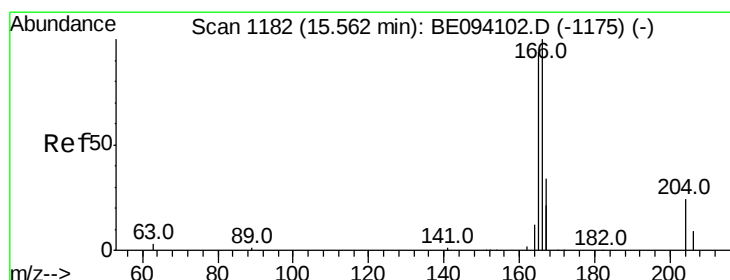
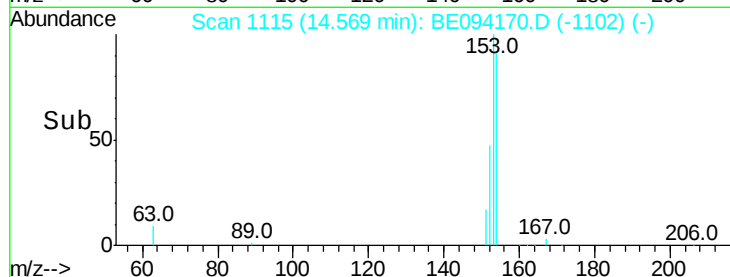
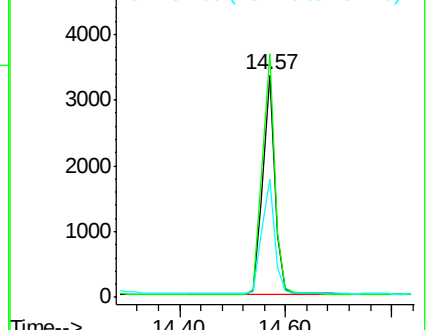
152 53.5 42.0 63.0



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: 0.415 ng

RT: 15.55 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

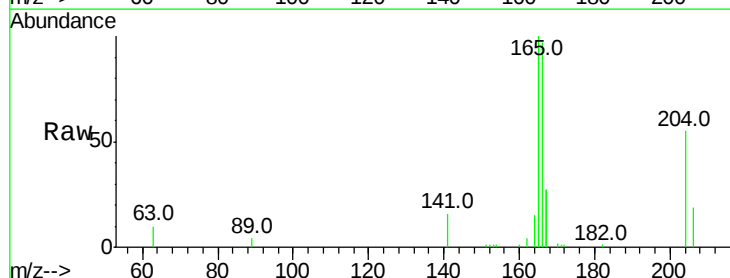
Tgt Ion:166 Resp: 6914

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.6

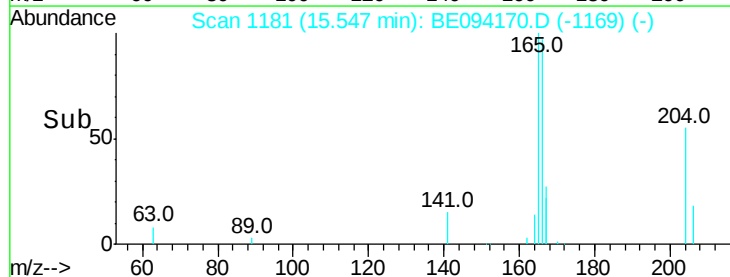
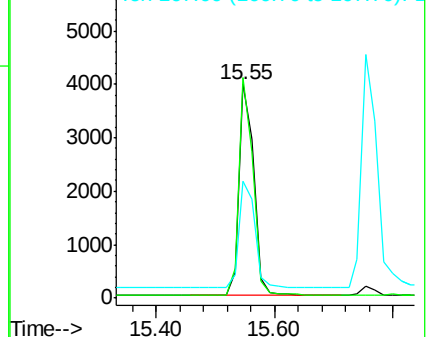
167 54.3 42.4 63.6

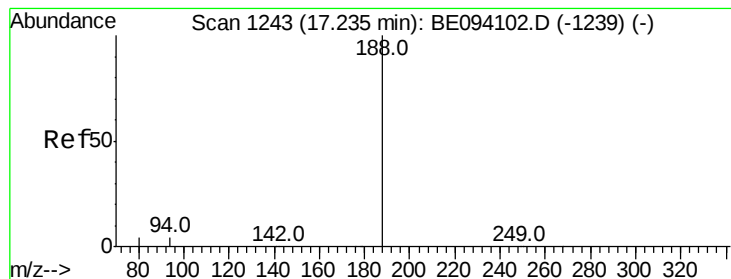


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

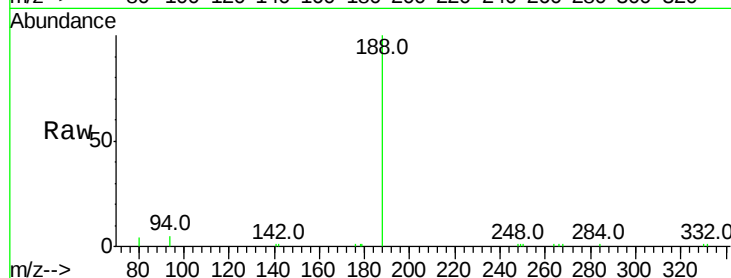
Tot Ion:188 Resp: 12092

Ion Ratio Lower Upper

188 100

94 4.6 3.9 5.9

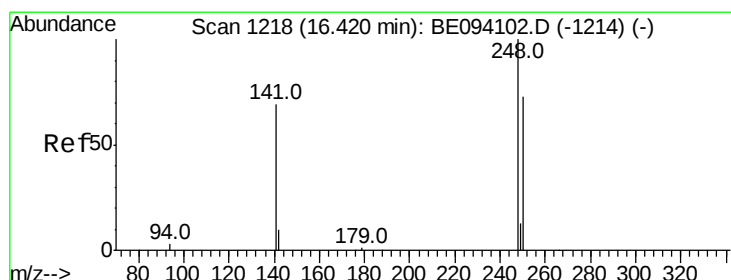
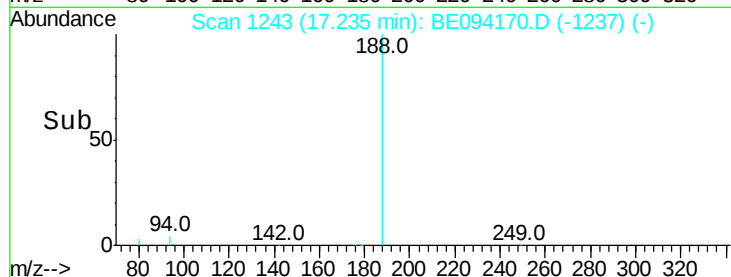
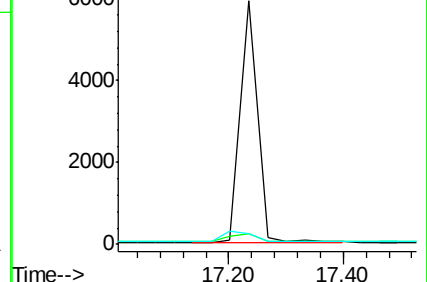
80 4.2 3.6 5.4



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: 0.525 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

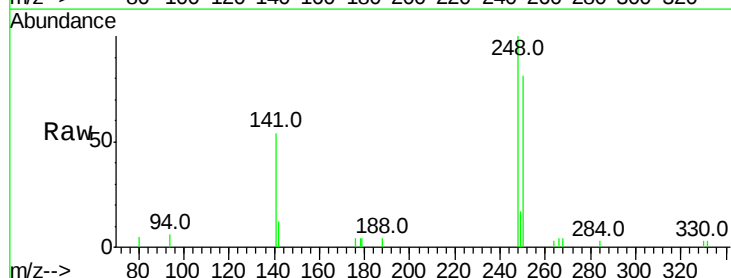
Tgt Ion:248 Resp: 2603

Ion Ratio Lower Upper

248 100

250 81.4 62.7 94.1

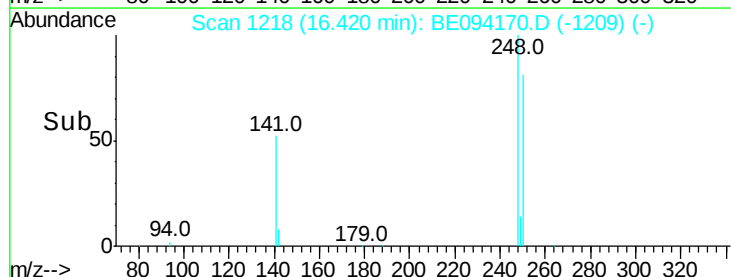
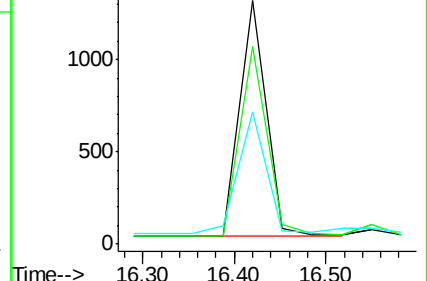
141 54.4 48.2 72.2

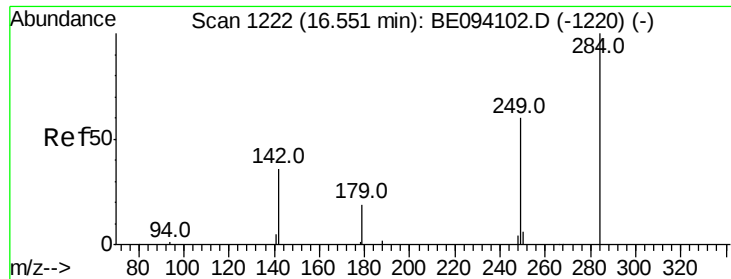


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.723 ng

RT: 16.55 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

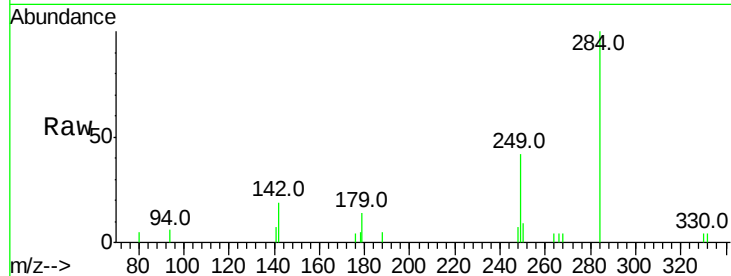
Tot Ion:284 Resp: 2265

Ion Ratio Lower Upper

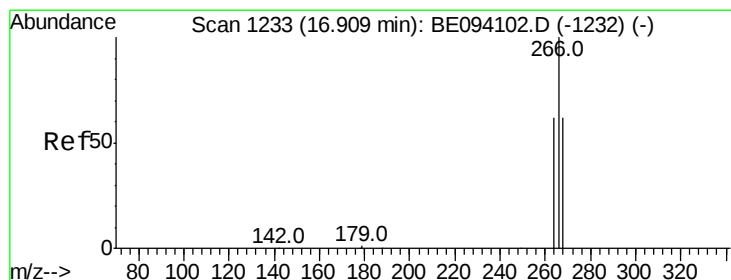
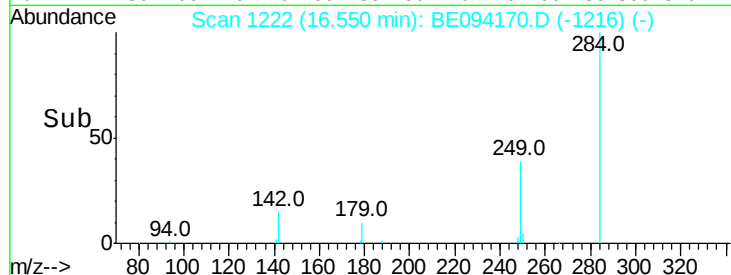
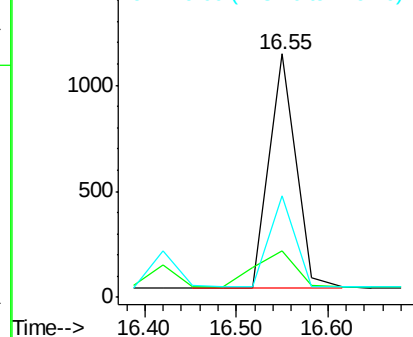
284 100

142 22.1 22.1 33.1

249 38.0 34.8 52.2



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: 0.229 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

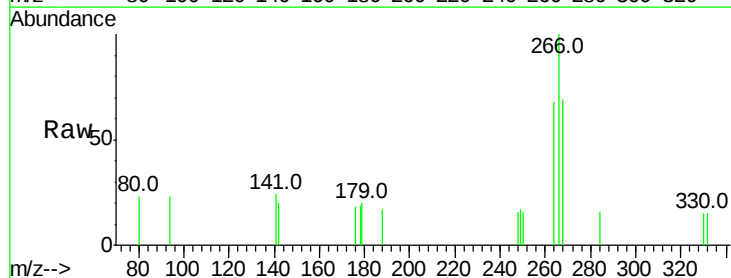
Tgt Ion:266 Resp: 657

Ion Ratio Lower Upper

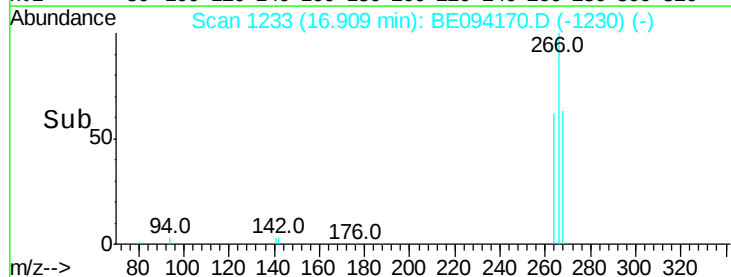
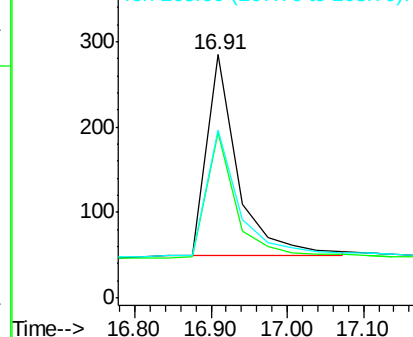
266 100

264 68.1 72.5 108.7#

268 69.1 73.8 110.6#



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: 0.520 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

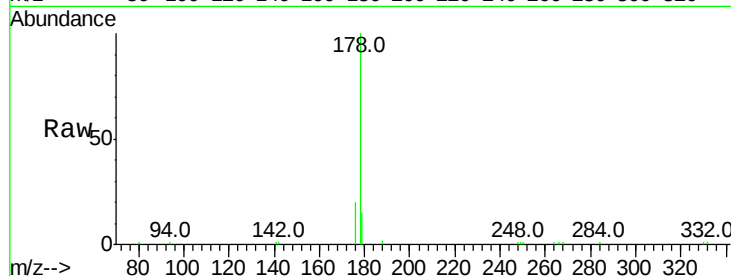
Instrument :

BNA_E

ClientSampled :

Tot Ion:178 Resp: 16092

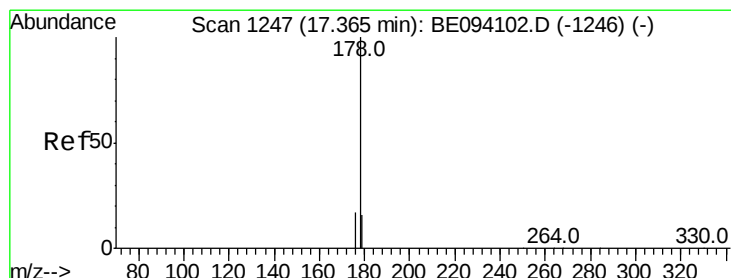
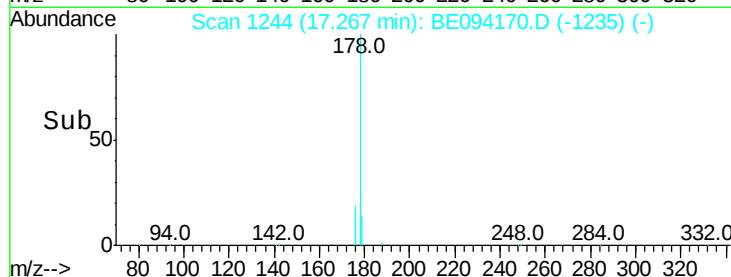
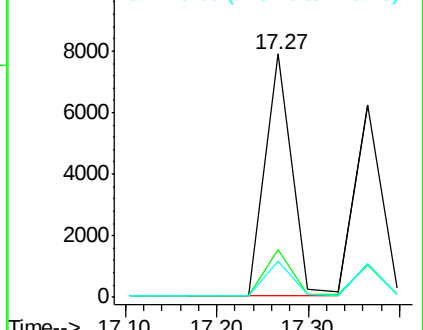
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	14.5	11.8	17.6



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: 0.392 ng

RT: 17.37 min Scan# 1247

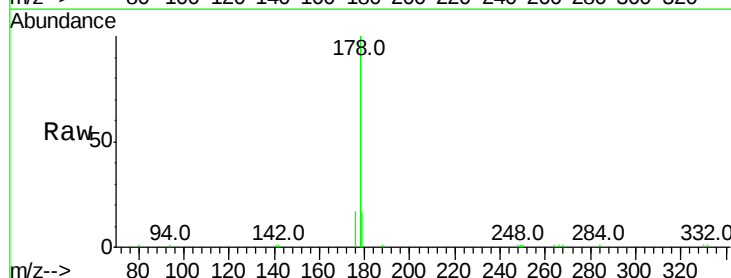
Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Tgt Ion:178 Resp: 12712

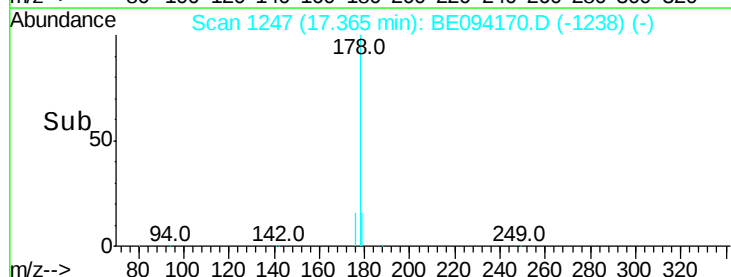
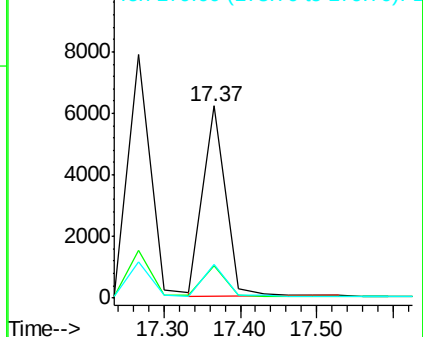
Ion	Ratio	Lower	Upper
178	100		
176	16.2	12.8	19.2
179	16.3	13.0	19.6

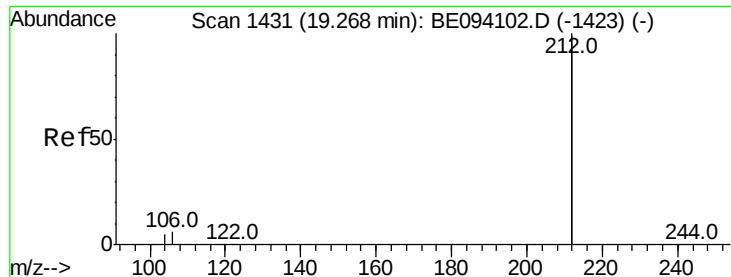


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.394 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

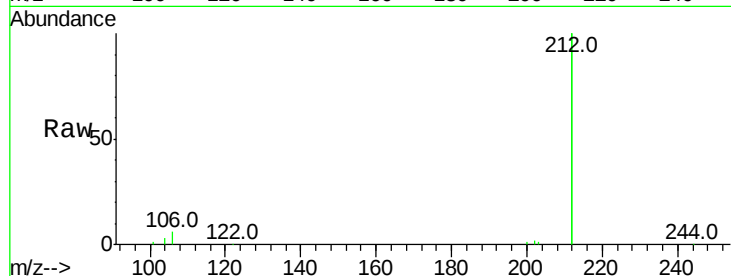
Tot Ion:212 Resp: 46100

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

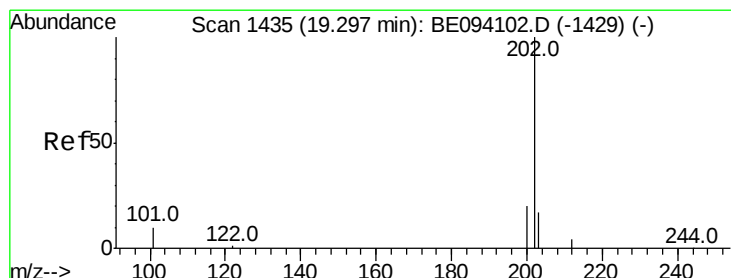
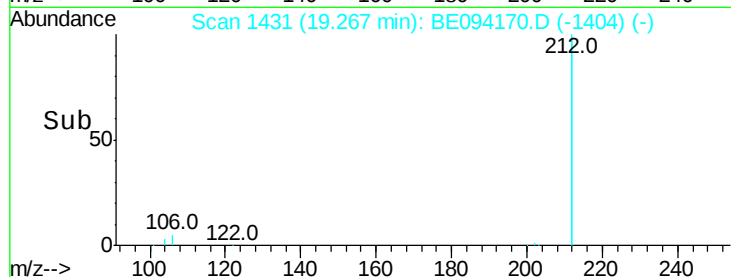
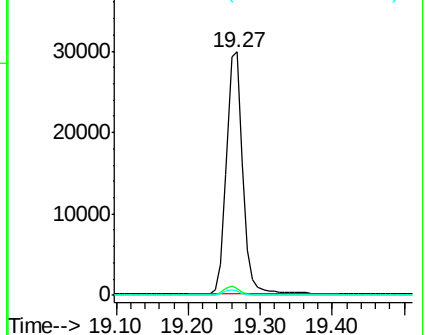
104 2.0 1.6 2.4



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: 0.408 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

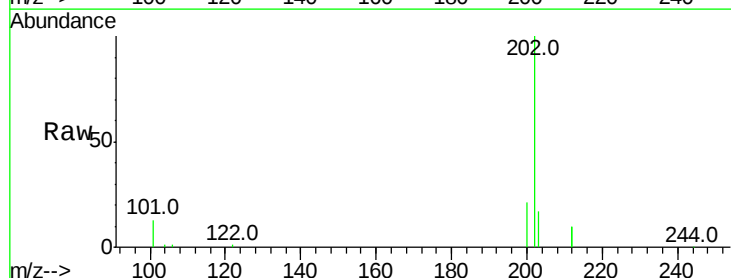
Tgt Ion:202 Resp: 14156

Ion Ratio Lower Upper

202 100

101 12.4 9.8 14.8

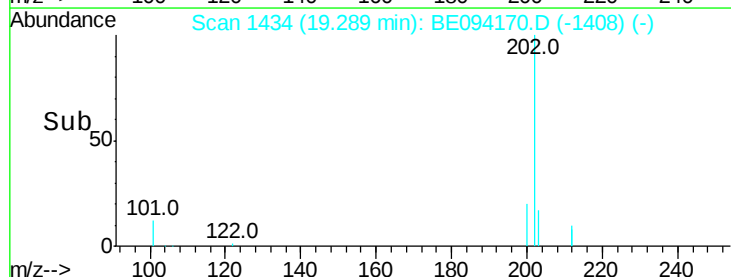
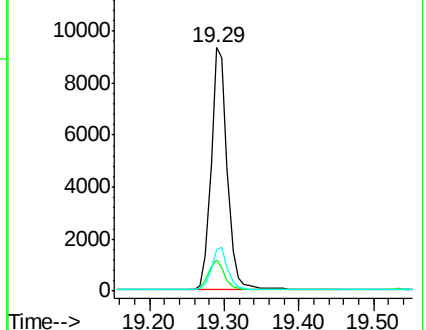
203 17.1 13.7 20.5

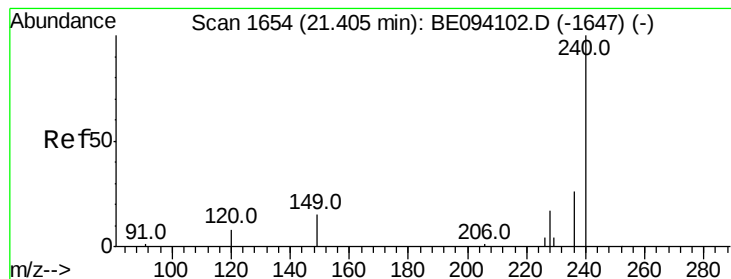


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

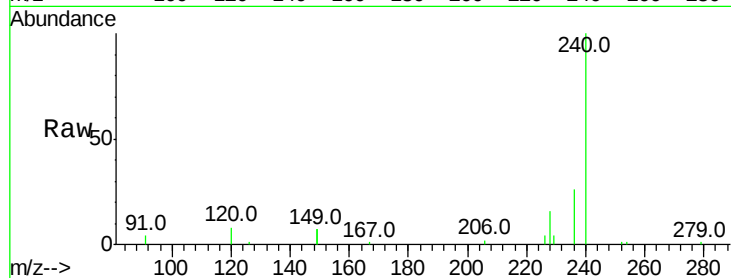
Tot Ion:240 Resp: 10697

Ion Ratio Lower Upper

240 100

120 7.7 5.5 8.3

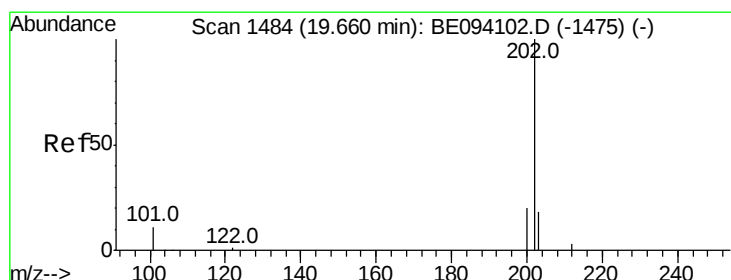
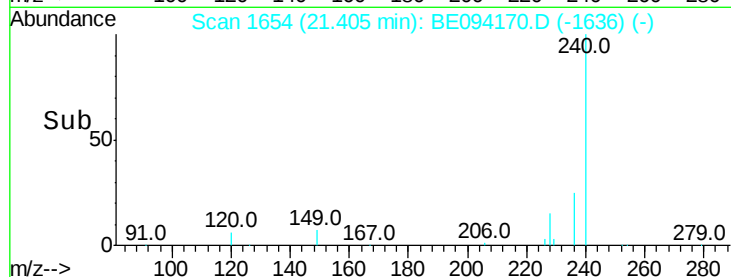
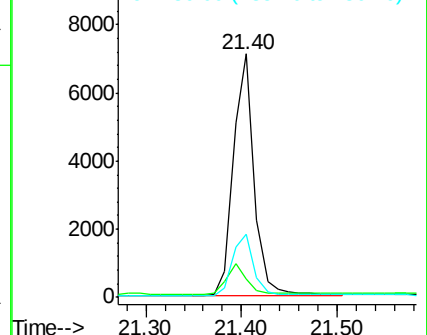
236 25.7 20.7 31.1



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: 0.432 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

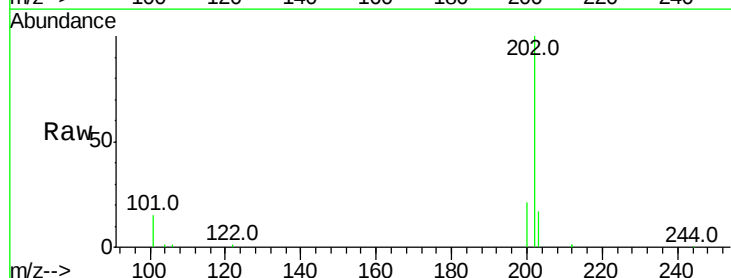
Tgt Ion:202 Resp: 14643

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

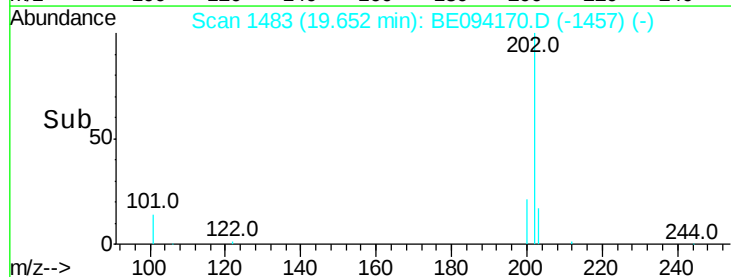
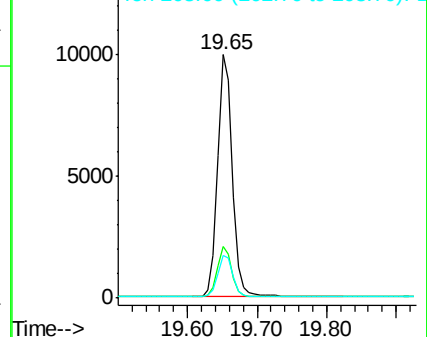
203 17.6 13.8 20.8

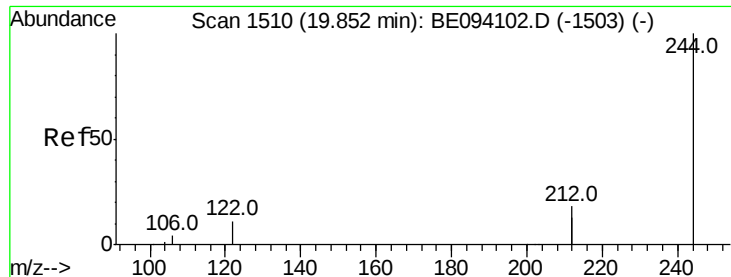


Abundance Ion 202.00 (201.70 to 202.70): E

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: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

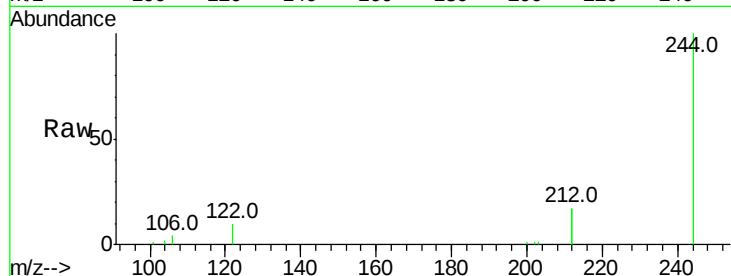
Tot Ion:244 Resp: 7997

Ion Ratio Lower Upper

244 100

212 33.7 25.4 38.0

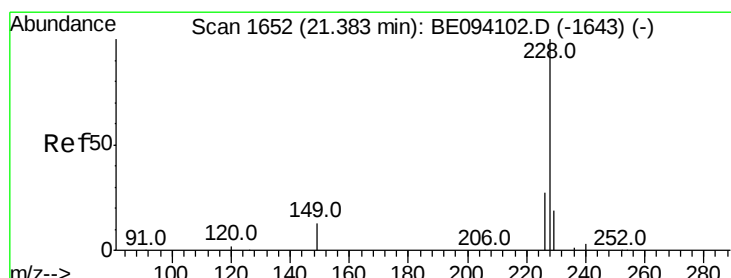
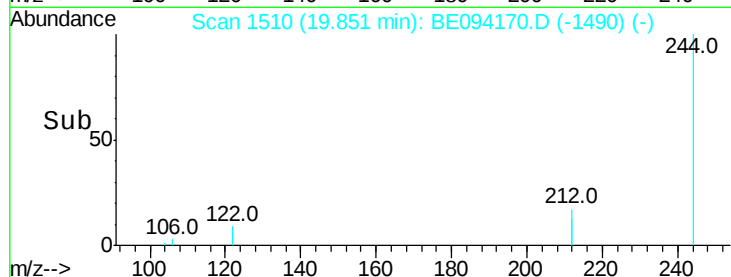
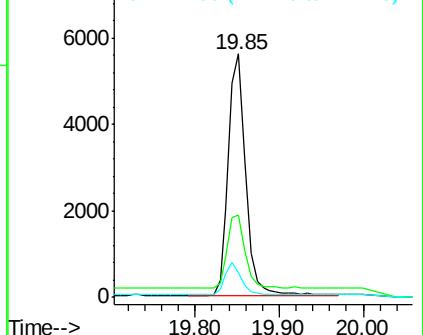
122 10.4 8.1 12.1



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: 0.386 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

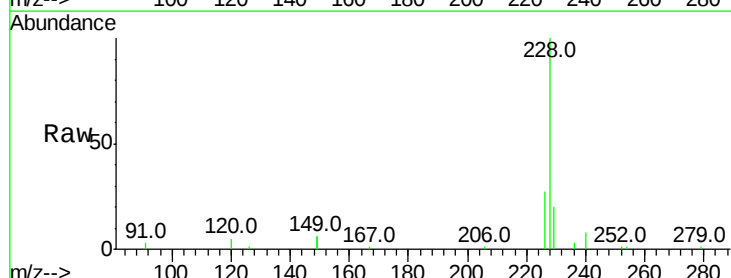
Tgt Ion:228 Resp: 13889

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.0

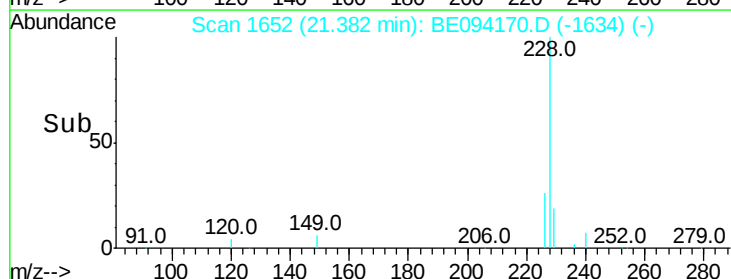
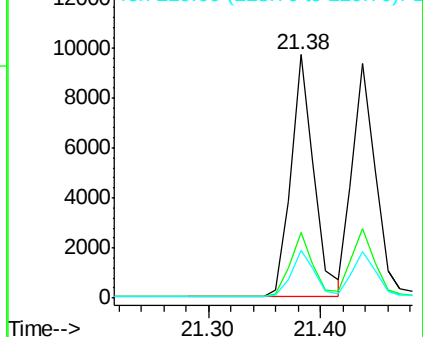
229 19.7 16.4 24.6



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: 0.392 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

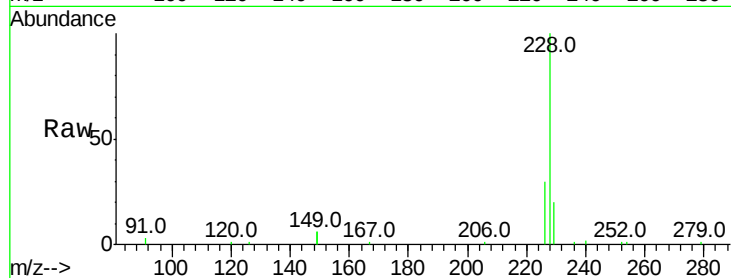
Tot Ion:228 Resp: 13625

Ion Ratio Lower Upper

228 100

226 29.7 23.6 35.4

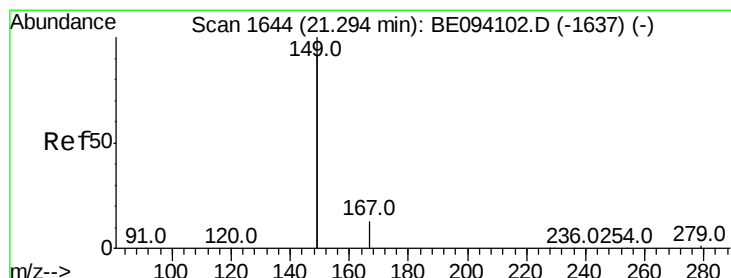
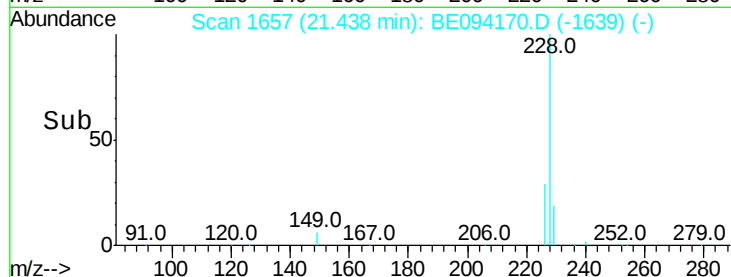
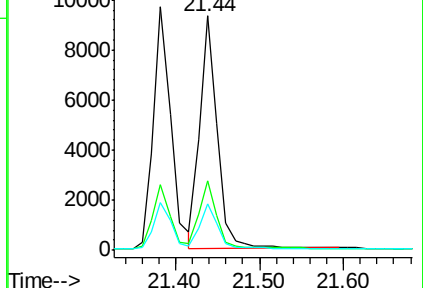
229 19.9 16.4 24.6



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: 0.089 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

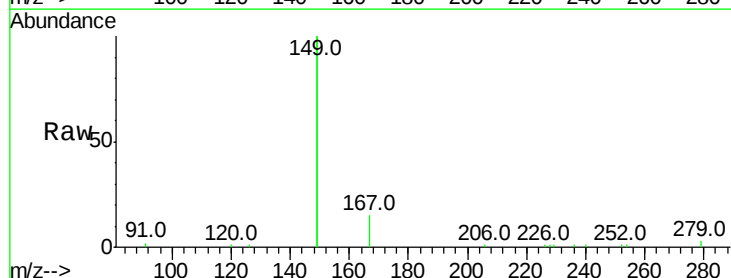
Tgt Ion:149 Resp: 31031

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

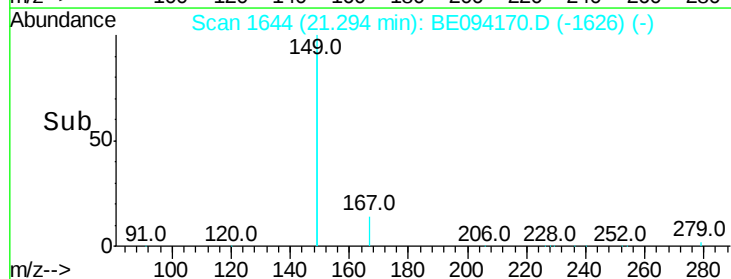
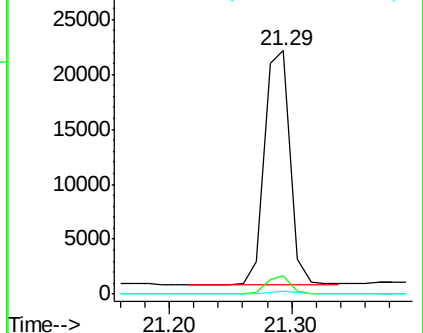
279 0.9 0.7 1.1



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: 0.375 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

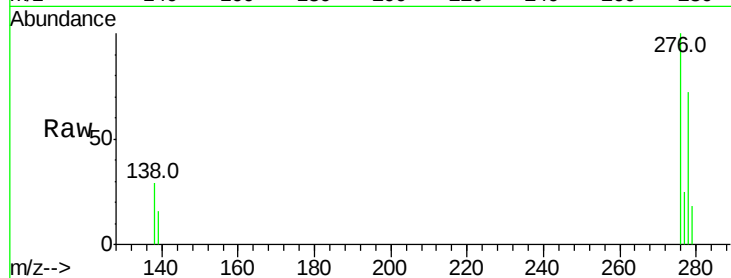
Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :



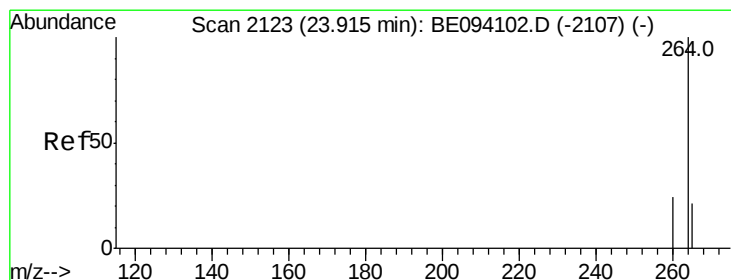
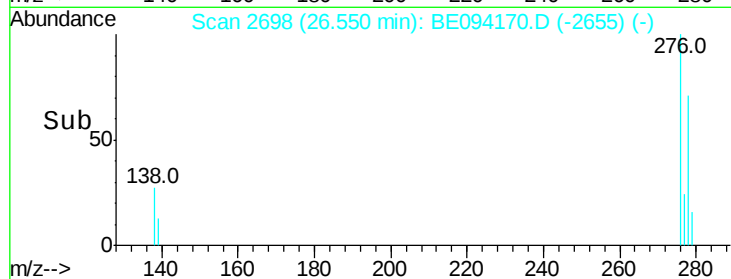
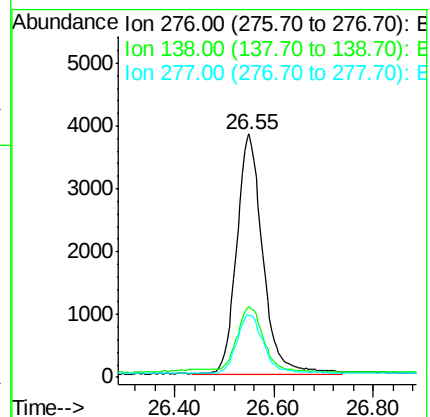
Tot Ion:276 Resp: 13953

Ion Ratio Lower Upper

276 100

138 27.0 22.5 33.7

277 25.1 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

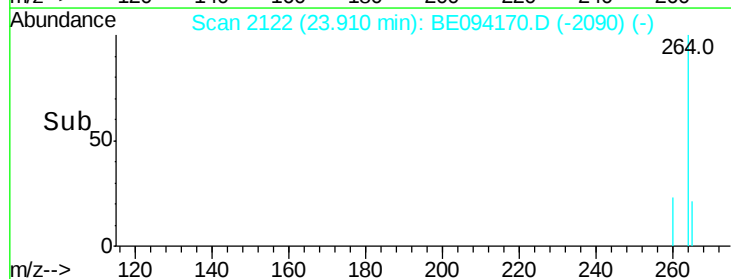
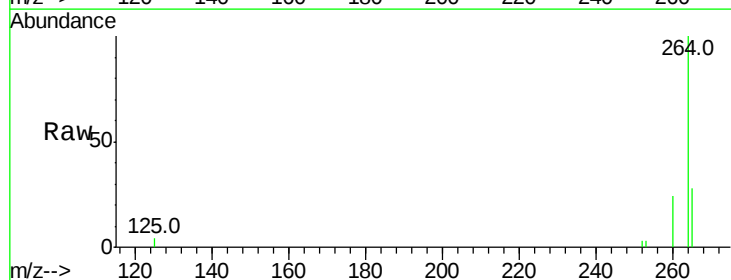
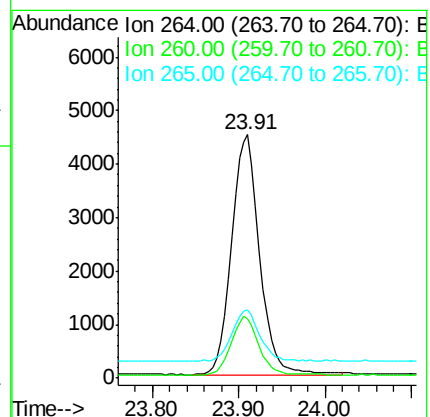
Tgt Ion:264 Resp: 10152

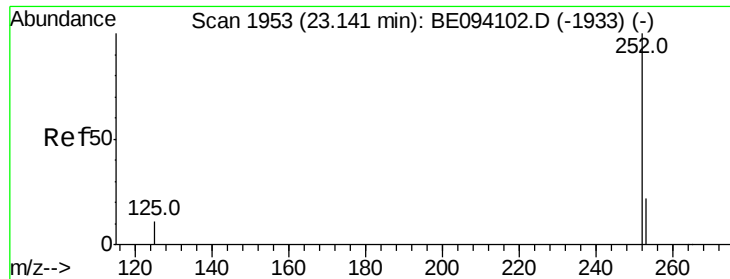
Ion Ratio Lower Upper

264 100

260 24.3 20.5 30.7

265 27.8 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.355 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

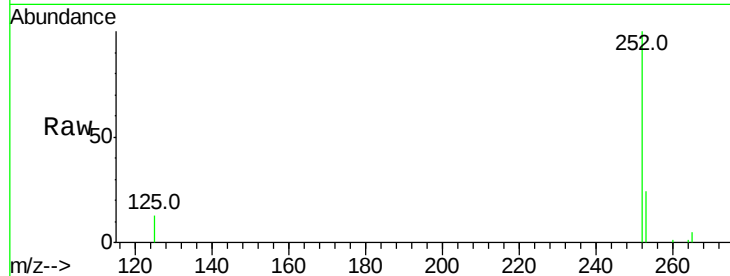
Tot Ion:252 Resp: 13009

Ion Ratio Lower Upper

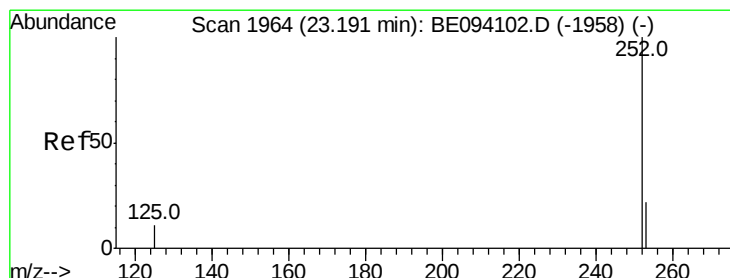
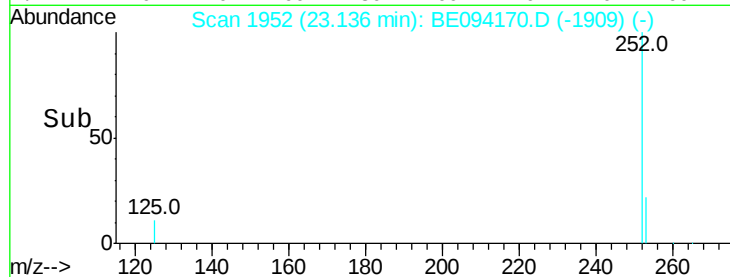
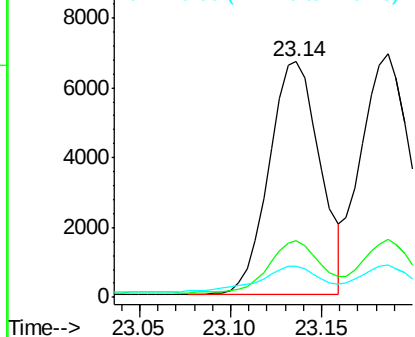
252 100

253 23.9 18.2 27.2

125 13.3 10.1 15.1



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: 0.390 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

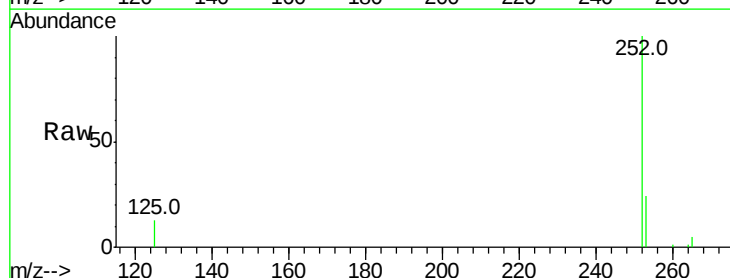
Tgt Ion:252 Resp: 13666

Ion Ratio Lower Upper

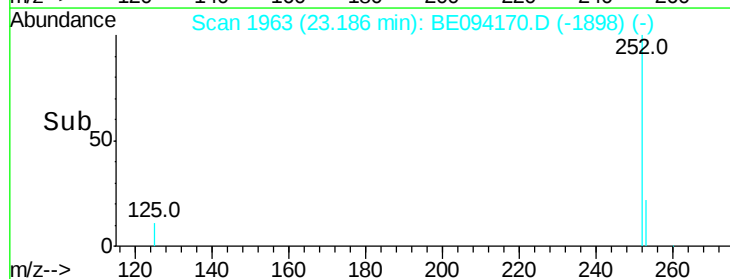
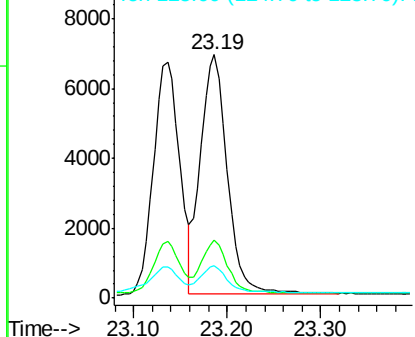
252 100

253 23.6 18.6 27.8

125 13.3 10.7 16.1



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: 0.391 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :

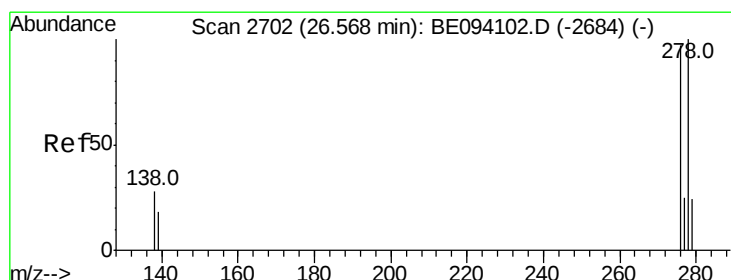
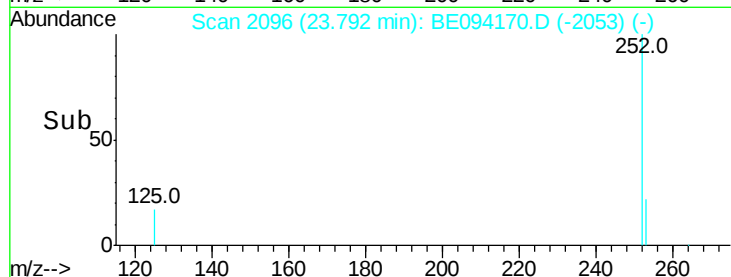
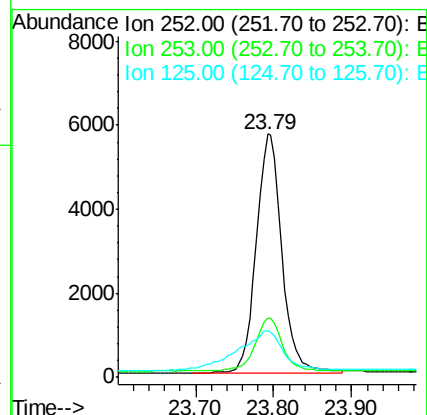
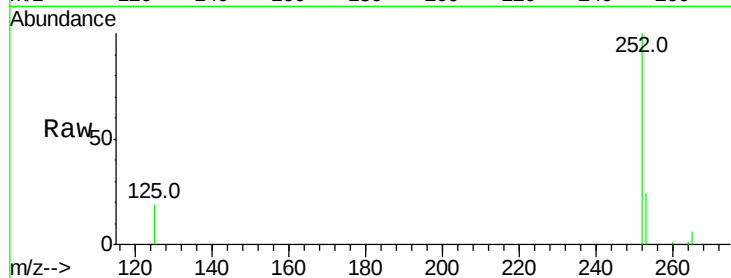
Tot Ion:252 Resp: 12933

Ion Ratio Lower Upper

252 100

253 24.2 19.0 28.6

125 19.1 11.8 17.8#



#38

Dibenzo(a,h)anthracene

Concen: 0.375 ng

RT: 26.56 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

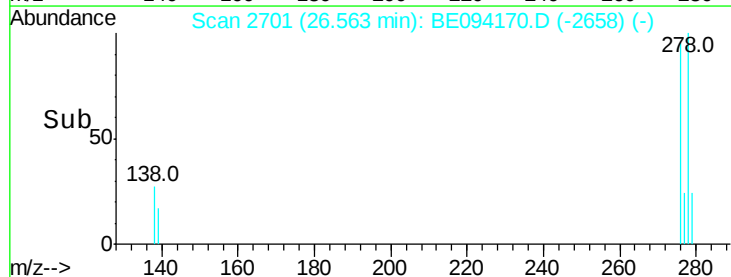
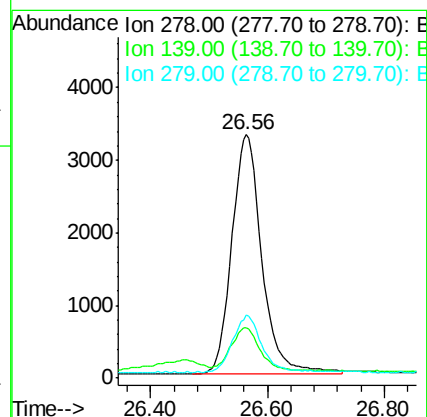
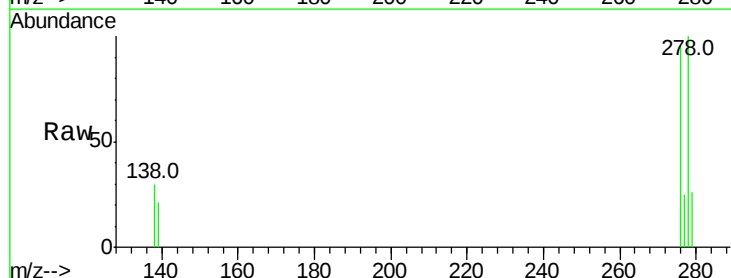
Tgt Ion:278 Resp: 11752

Ion Ratio Lower Upper

278 100

139 20.8 16.3 24.5

279 26.0 19.9 29.9





#39

Benzo(a,h,i)perylene

Concen: 0.387 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.01 min

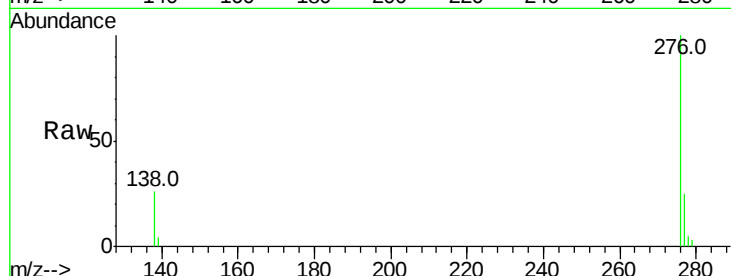
Lab File: BE094170.D

Acq: 4 Oct 2017 17:08

Instrument :

BNA_E

ClientSampleId :



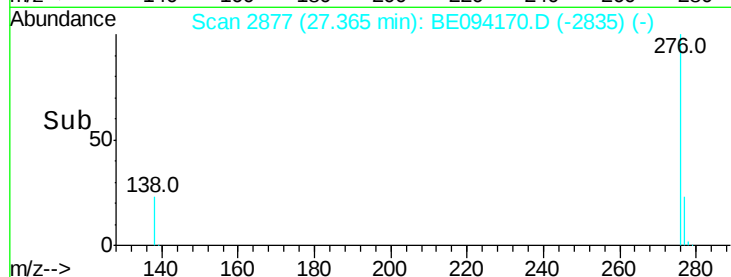
Tot Ion:276 Resp: 11998

Ion Ratio Lower Upper

276 100

277 24.6 20.8 31.2

138 25.7 21.5 32.3



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

