

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
 Data File : BE094429.D
 Acq On : 17 Oct 2017 13:52
 Operator : SJ/JU
 Sample : PB102812BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102812BS

Quant Time: Oct 17 20:17:14 2017
 Quant Method : Z:\HPCHEM1\BNA_E\Methods\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1280	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	6172	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3745	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	6853	0.40	ng	0.00
27) Chrysene-d12	21.43	240	10960	0.40	ng	0.00
34) Perylene-d12	23.96	264	10051	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	1452	0.34	ng	0.00
5) Phenol-d6	7.11	99	2003	0.30	ng	-0.01
8) Nitrobenzene-d5	8.96	82	140	0.03	ng	-0.12
11) 2-Methylnaphthalene-d10	12.29	152	3288	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	452	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4397	0.33	ng	0.00
25) Fluoranthene-d10	19.28	212	40272	0.36	ng	0.00
29) Terphenyl-d14	19.87	244	6717	0.30	ng	0.00

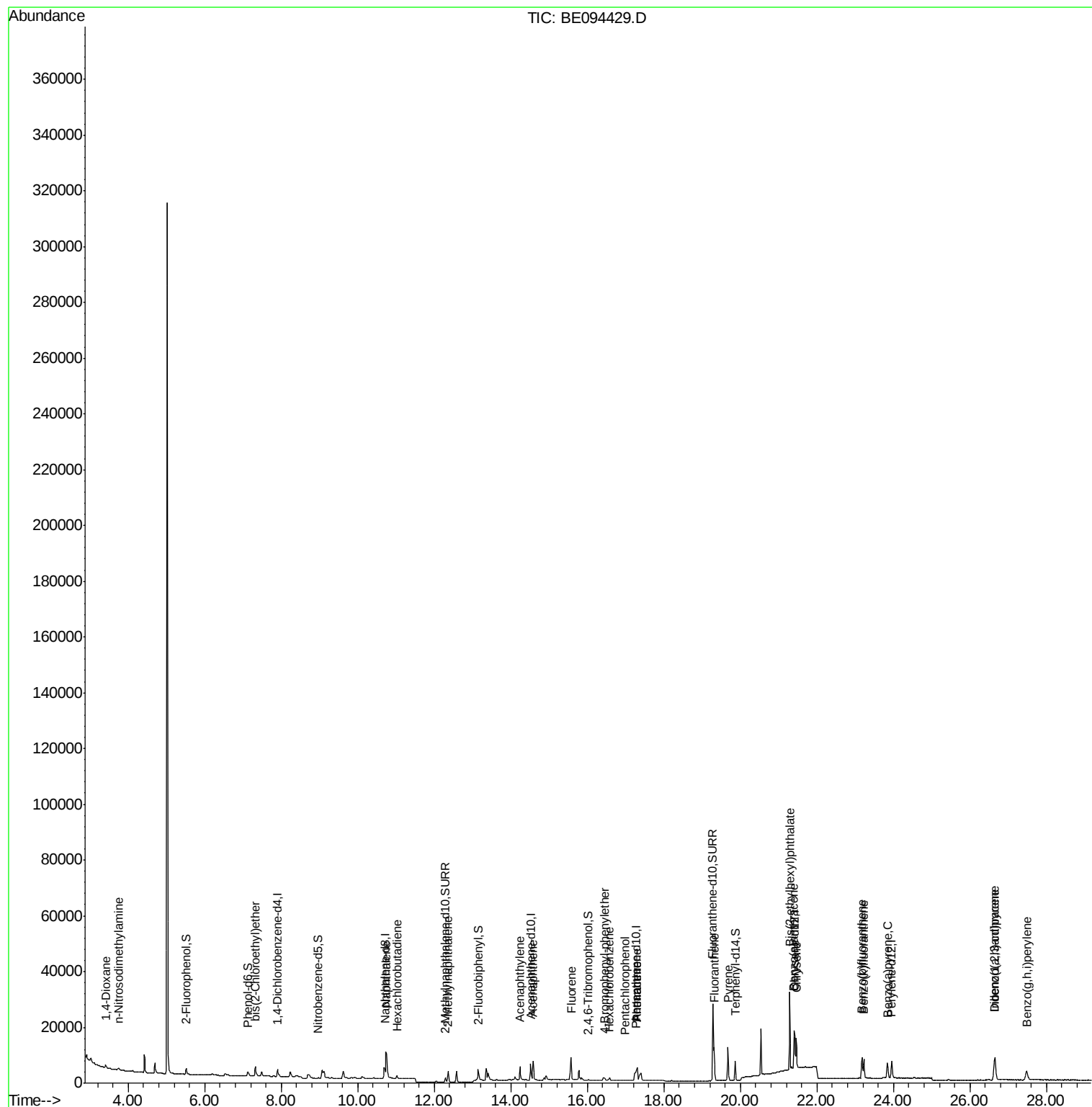
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	582	0.234	ng	# 1
3) n-Nitrosodimethylamine	3.74	42	754	0.339	ng	# 95
6) bis(2-Chloroethyl)ether	7.33	93	1461	0.293	ng	91
9) Naphthalene	10.74	128	21884	0.317	ng	99
10) Hexachlorobutadiene	11.02	225	809	0.293	ng	98
12) 2-Methylnaphthalene	12.36	142	3710	0.326	ng	99
16) Acenaphthylene	14.24	152	5942	0.293	ng	99
17) Acenaphthene	14.58	154	3785	0.296	ng	98
18) Fluorene	15.58	166	5045	0.306	ng	97
20) 4-Bromophenyl-phenylether	16.45	248	1013	0.295	ng	# 44
21) Hexachlorobenzene	16.58	284	1785	0.274	ng	# 58
22) Pentachlorophenol	16.97	266	332	0.616	ng	88
23) Phenanthrene	17.30	178	9912	0.367	ng	# 90
24) Anthracene	17.30	178	9898	0.475	ng	# 87
26) Fluoranthene	19.31	202	10832	0.324	ng	99
28) Pyrene	19.67	202	11247	0.272	ng	99
30) Benzo(a)anthracene	21.40	228	11245	0.297	ng	# 65
31) Chrysene	21.46	228	10751	0.295	ng	# 67
32) Bis(2-ethylhexyl)phthalate	21.29	149	29858	0.274	ng	99
33) Indeno(1,2,3-cd)pyrene	26.65	276	11090	0.302	ng	98
35) Benzo(b)fluoranthene	23.18	252	10502	0.308	ng	# 45
36) Benzo(k)fluoranthene	23.23	252	10641	0.317	ng	# 45
37) Benzo(a)pyrene	23.84	252	9792	0.306	ng	# 40
38) Dibenzo(a,h)anthracene	26.65	278	9157	0.302	ng	# 50
39) Benzo(g,h,i)perylene	27.48	276	8881	0.304	ng	# 60

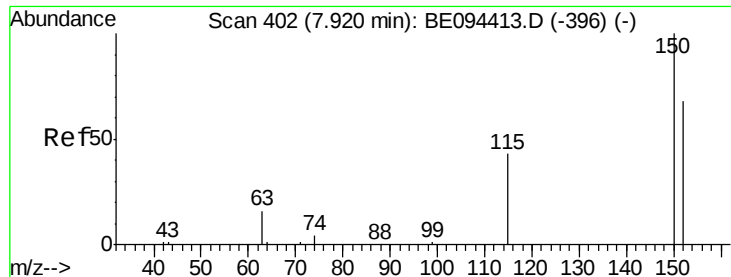
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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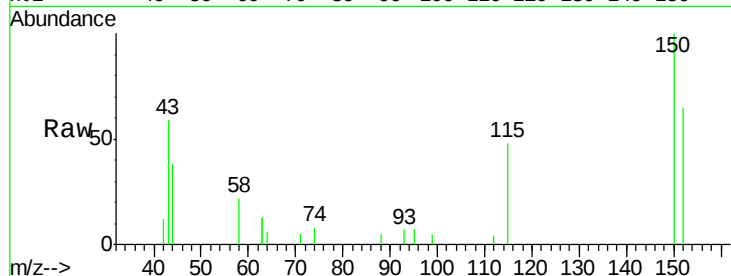


#1

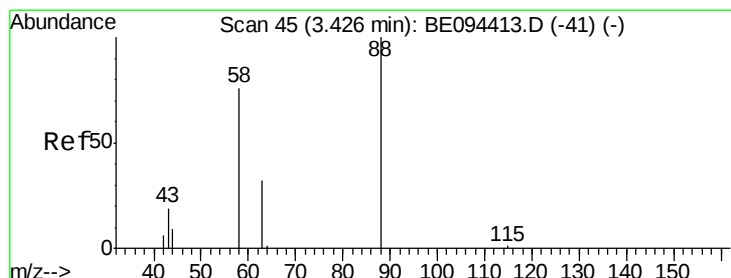
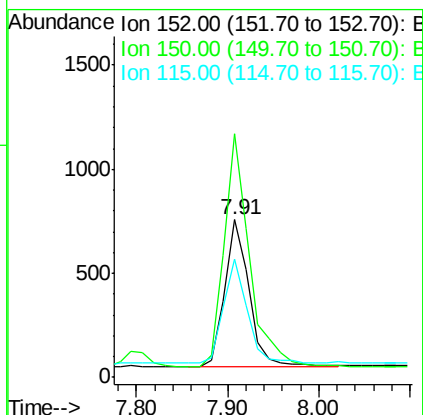
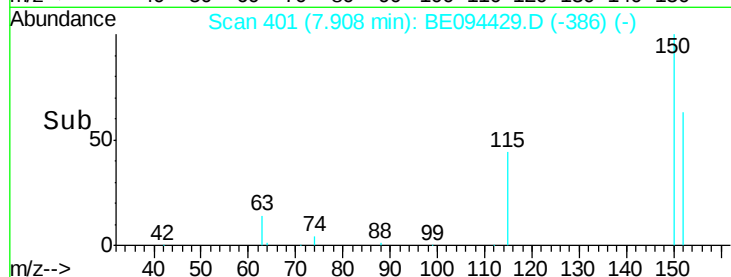
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.01 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion: 152 Resp: 1280
Ion Ratio Lower Upper
152 100
150 154.4 117.2 175.8
115 74.7 57.0 85.6



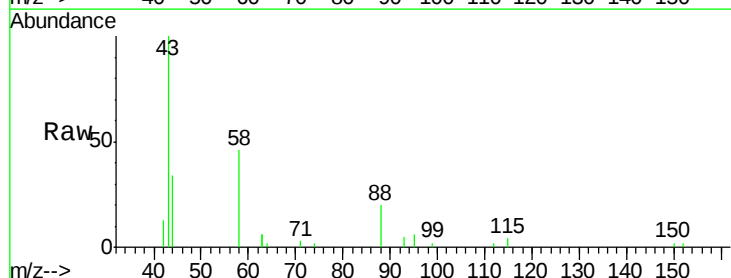
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



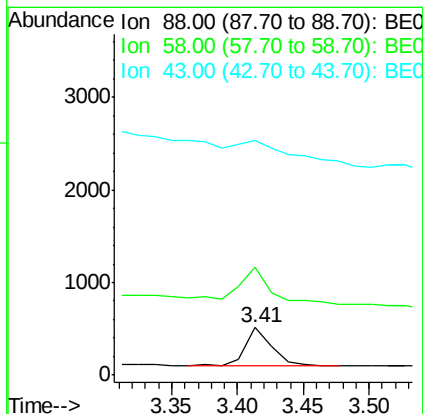
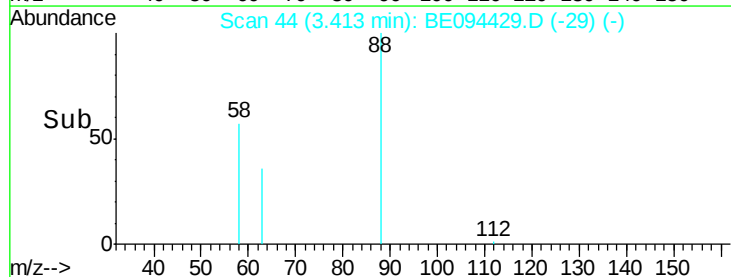
#2

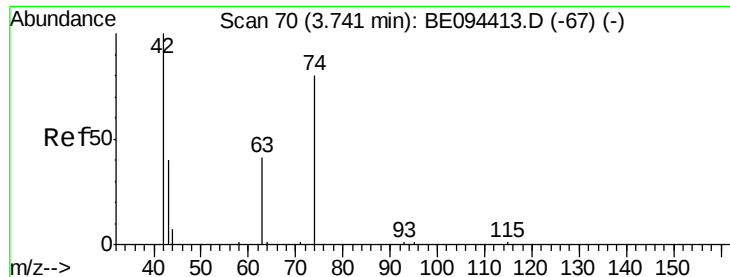
1,4-Dioxane
Concen: 0.234 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion: 88 Resp: 582
Ion Ratio Lower Upper
88 100
58 201.7 63.2 94.8#
43 0.0 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



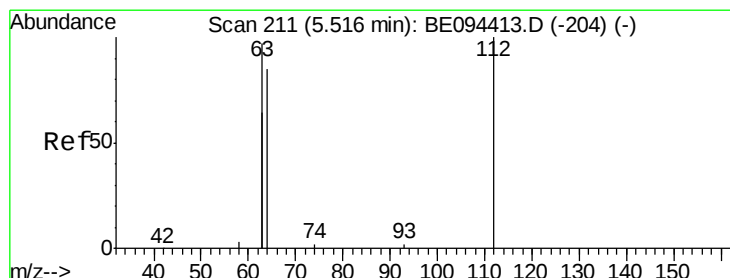
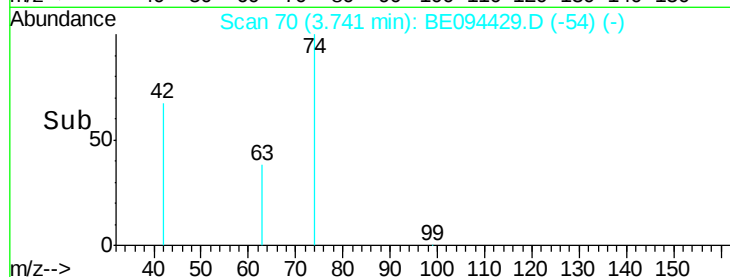
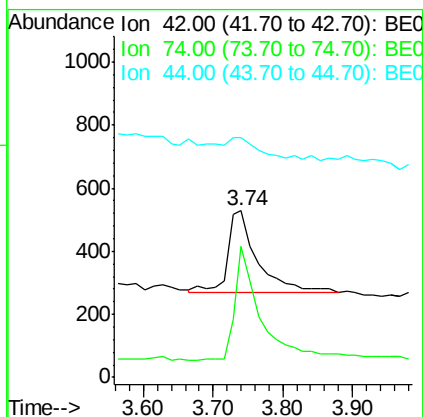
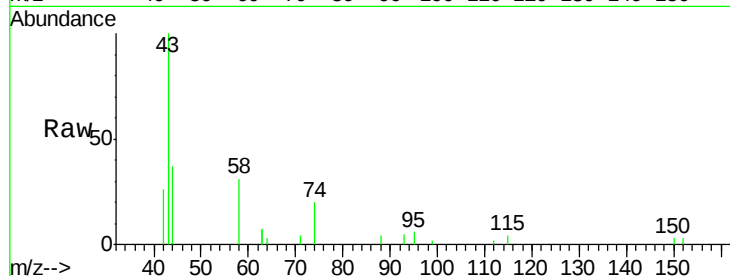


#3

n-Nitrosodimethylamine
 Concen: 0.339 ng
 RT: 3.74 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Instrument :
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 PB102812BS

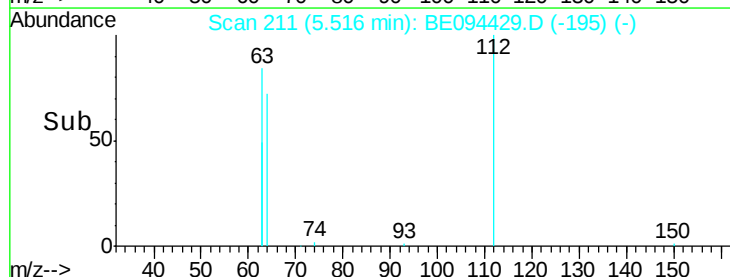
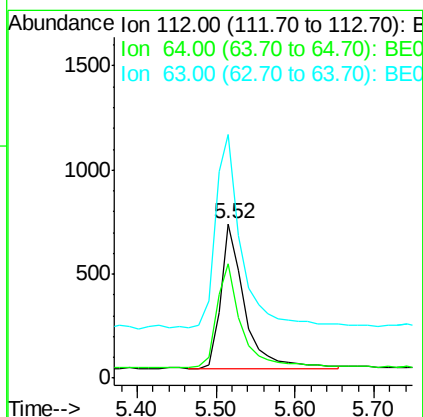
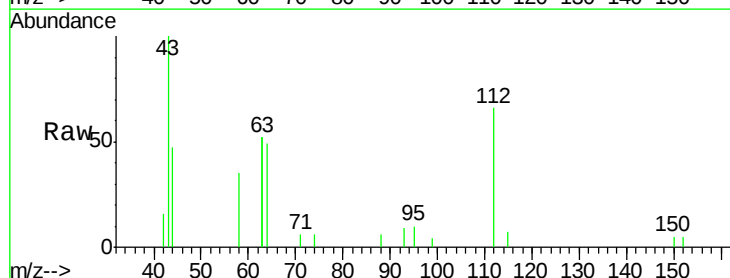
Tgt Ion: 42 Resp: 754
 Ion Ratio Lower Upper
 42 100
 74 121.4 100.3 150.5
 44 29.0 17.0 25.4#

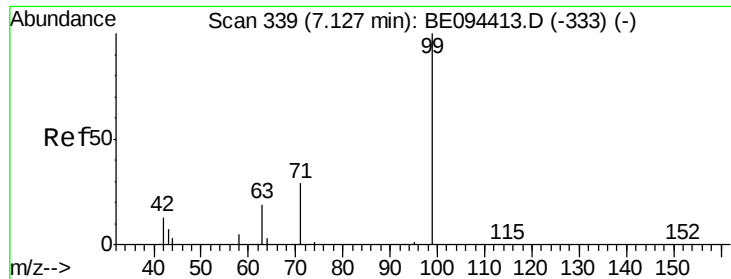


#4

2-Fluorophenol
 Concen: 0.336 ng
 RT: 5.52 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Tgt Ion: 112 Resp: 1452
 Ion Ratio Lower Upper
 112 100
 64 73.3 60.1 90.1
 63 145.2 116.8 175.2





#5

Phenol-d6

Concen: 0.297 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

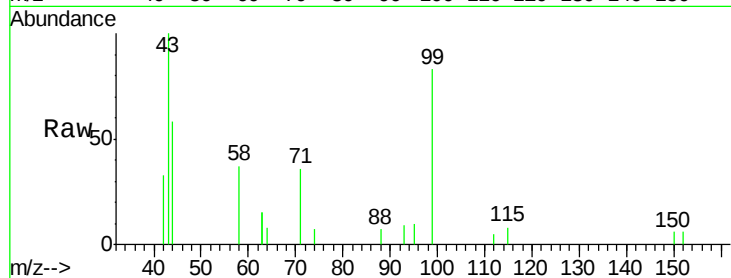
Tgt Ion: 99 Resp: 2003

Ion Ratio Lower Upper

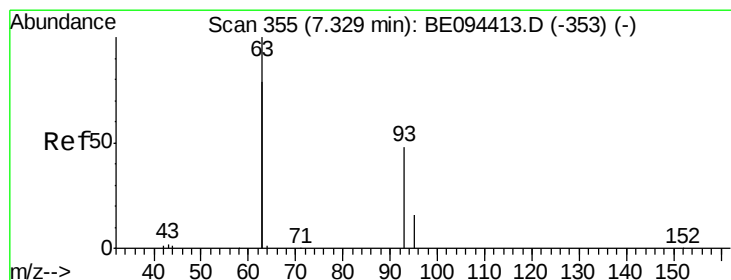
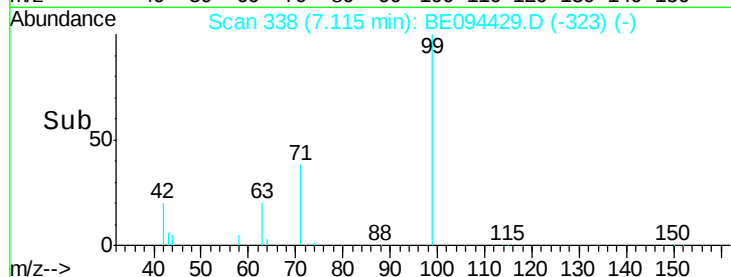
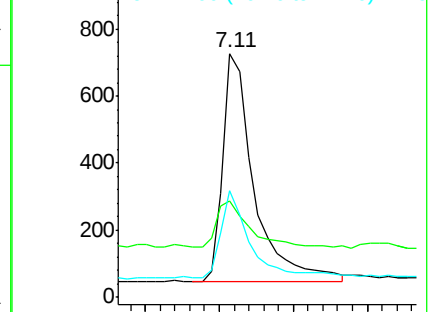
99 100

42 21.5 20.2 30.2

71 36.2 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: 0.293 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

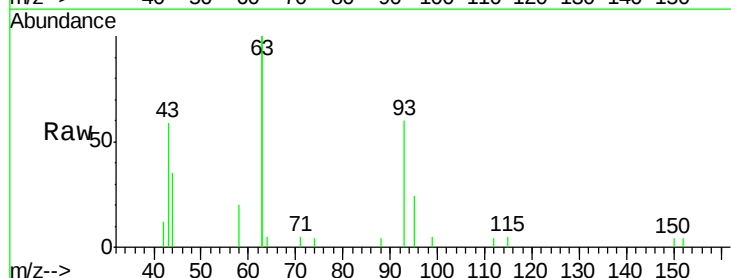
Tgt Ion: 93 Resp: 1461

Ion Ratio Lower Upper

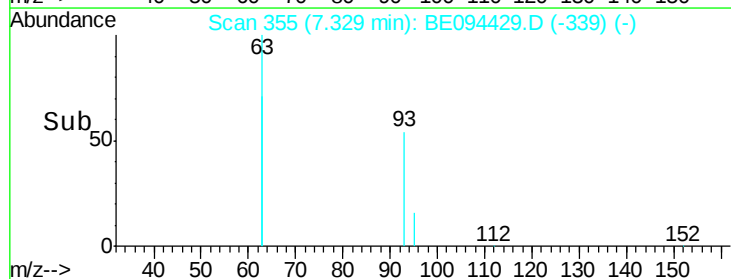
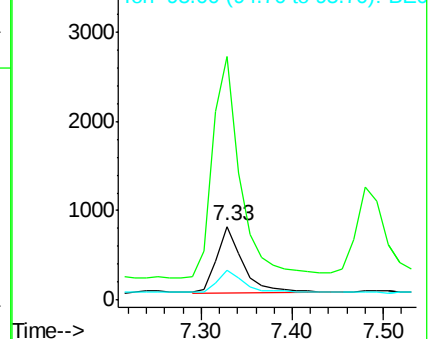
93 100

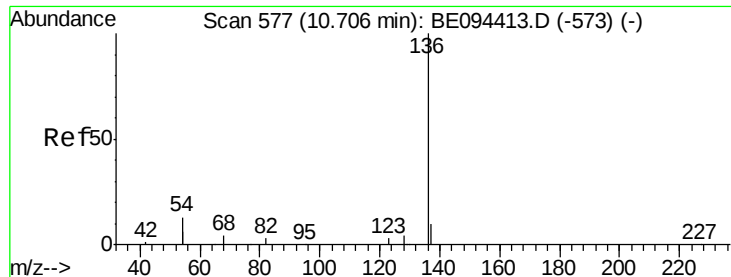
63 363.7 275.3 412.9

95 34.0 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: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

Tgt Ion:136 Resp: 6172

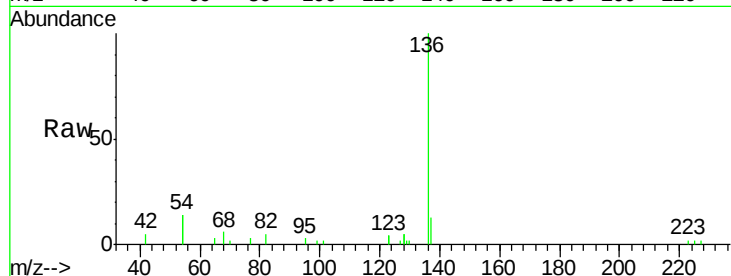
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 28.6 29.1 43.7#

68 6.4 6.2 9.2

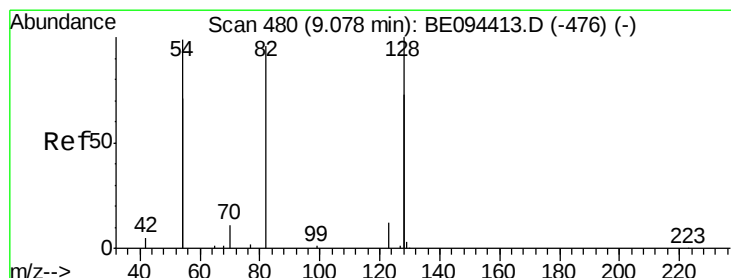
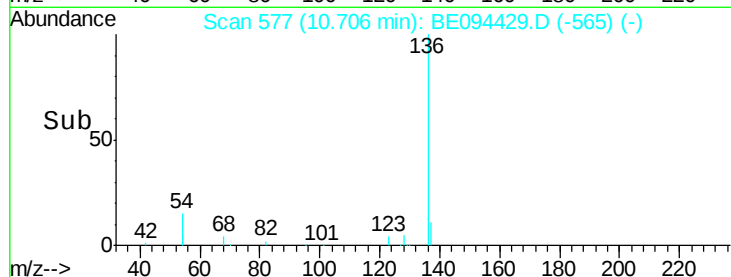
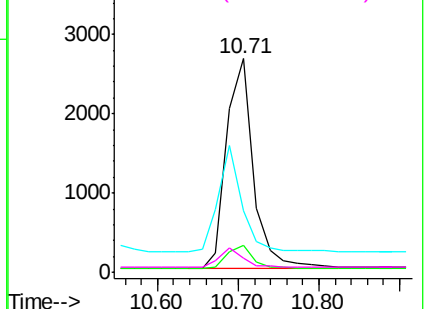


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.026 ng

RT: 8.96 min Scan# 473

Delta R.T. -0.12 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

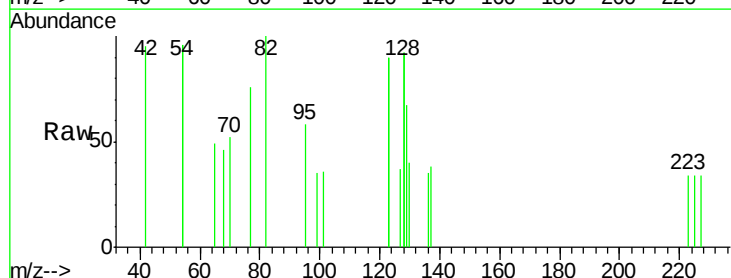
Tgt Ion: 82 Resp: 140

Ion Ratio Lower Upper

82 100

128 183.8 150.0 225.0

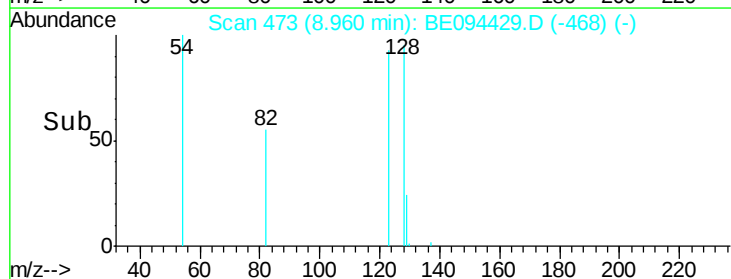
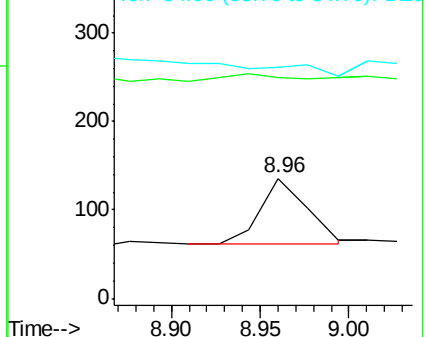
54 192.6 154.2 231.4

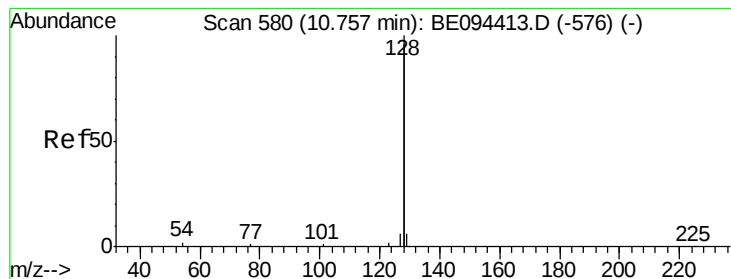


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.317 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

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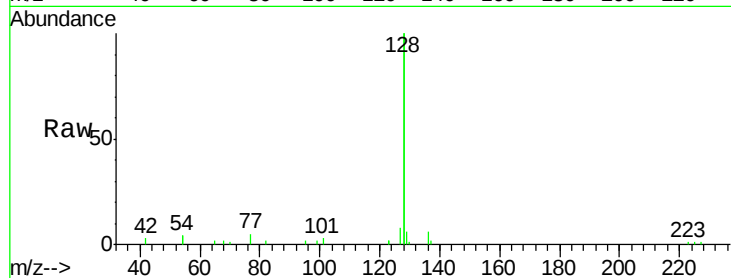
Tgt Ion:128 Resp: 21884

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

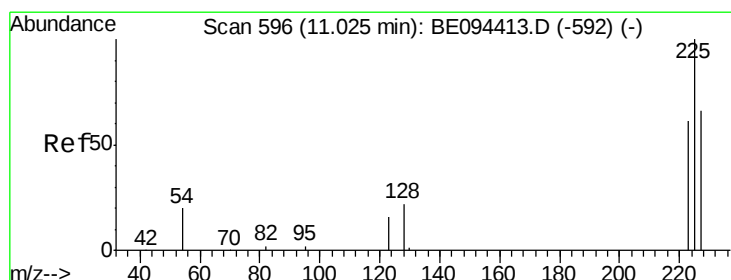
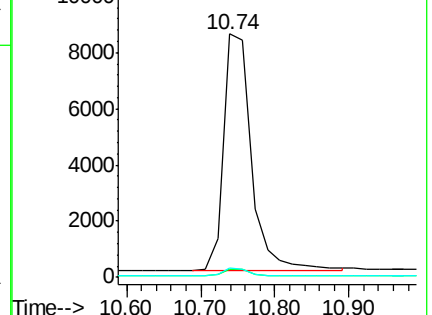
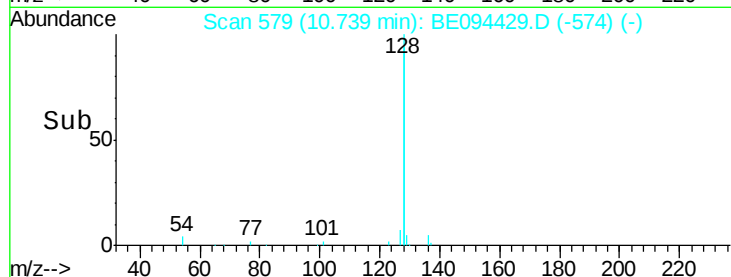
127 4.0 2.8 4.2



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: 0.293 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

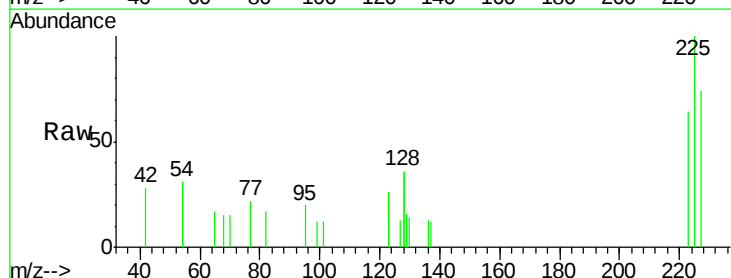
Tgt Ion:225 Resp: 809

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

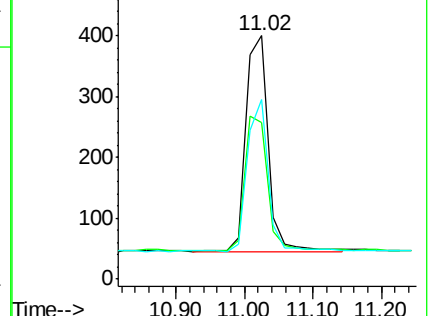
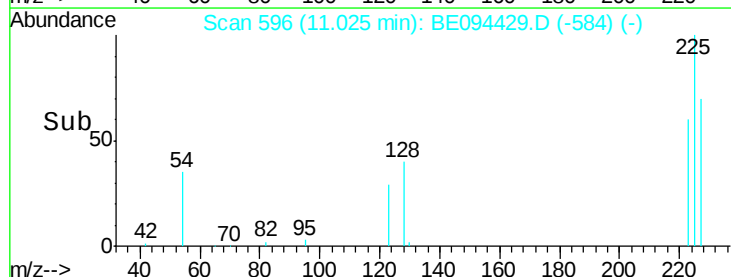
227 65.0 51.4 77.2



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: 0.346 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

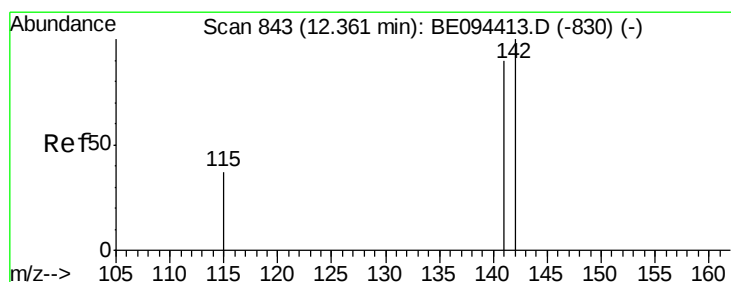
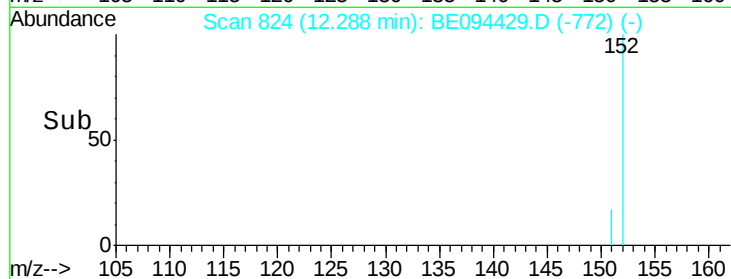
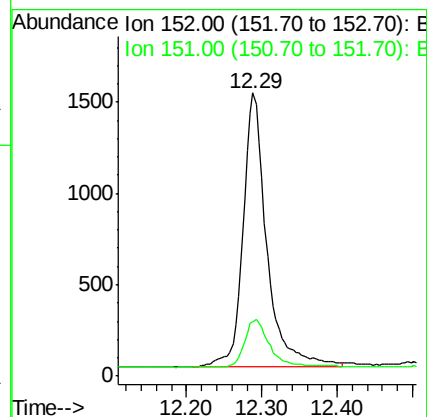
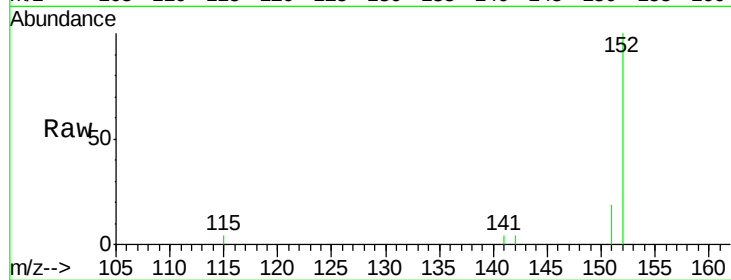
PB102812BS

Tgt Ion:152 Resp: 3288

Ion Ratio Lower Upper

152 100

151 18.7 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.326 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

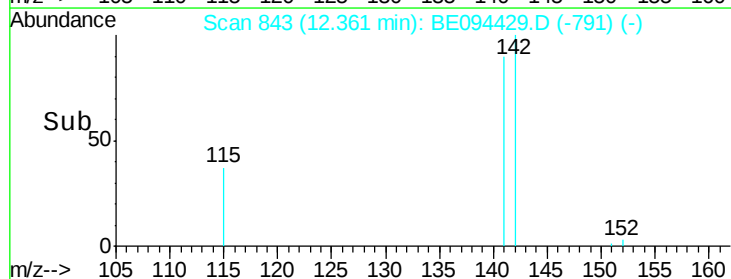
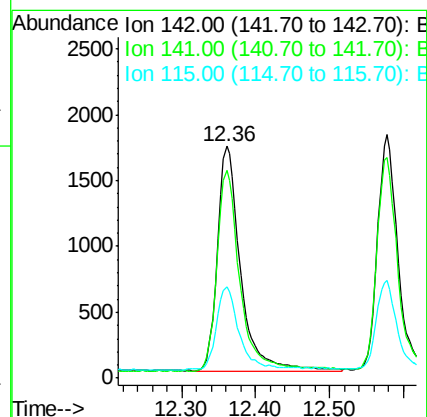
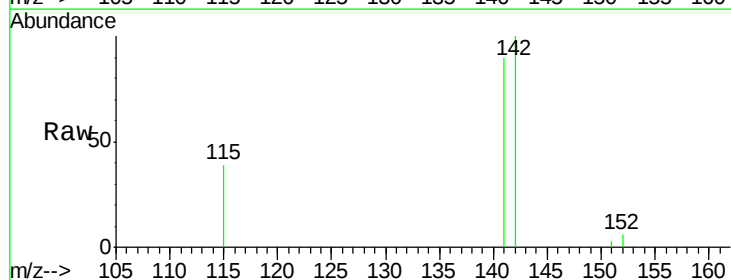
Tgt Ion:142 Resp: 3710

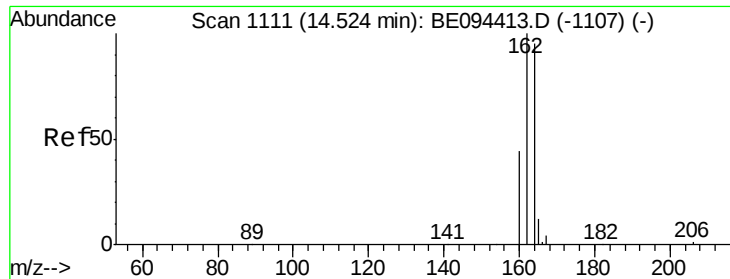
Ion Ratio Lower Upper

142 100

141 89.6 70.4 105.6

115 39.4 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

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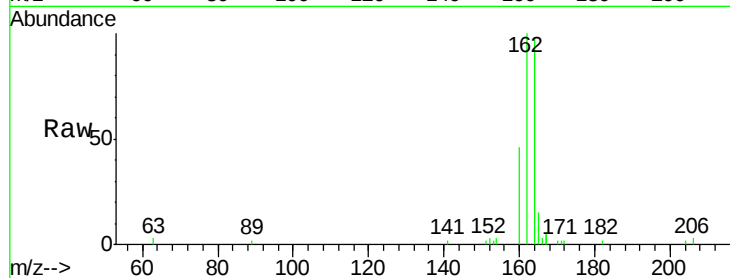
Tgt Ion:164 Resp: 3745

Ion Ratio Lower Upper

164 100

162 101.6 83.1 124.7

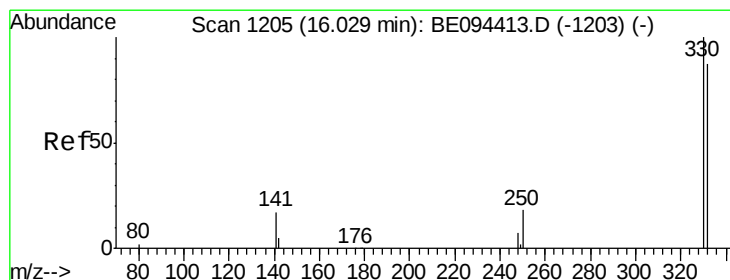
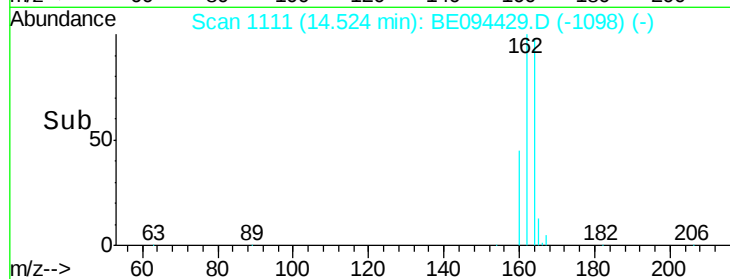
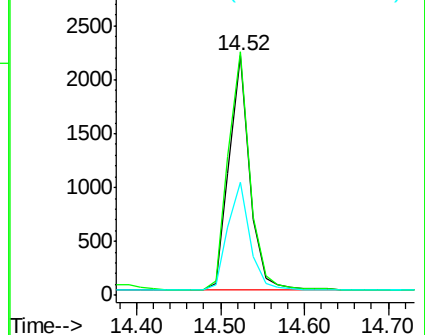
160 47.1 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.317 ng

RT: 16.03 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

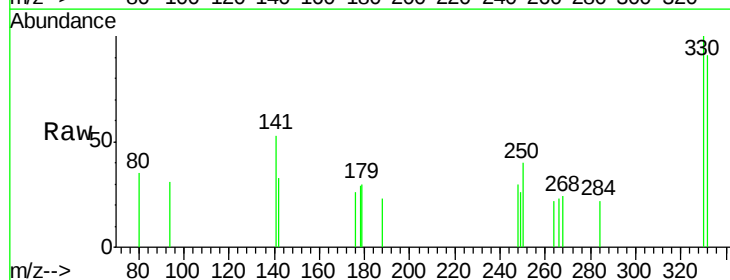
Tgt Ion:330 Resp: 452

Ion Ratio Lower Upper

330 100

332 95.6 152.7 229.1#

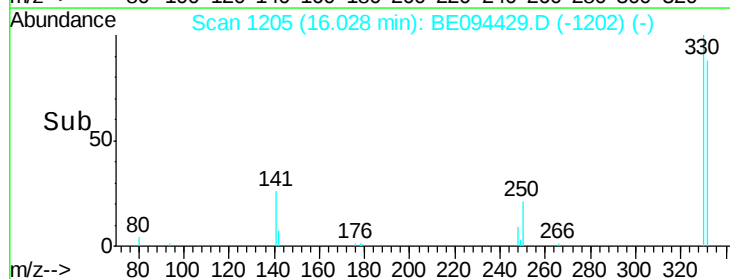
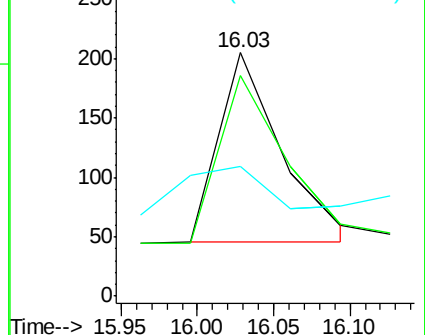
141 0.0 33.7 50.5#

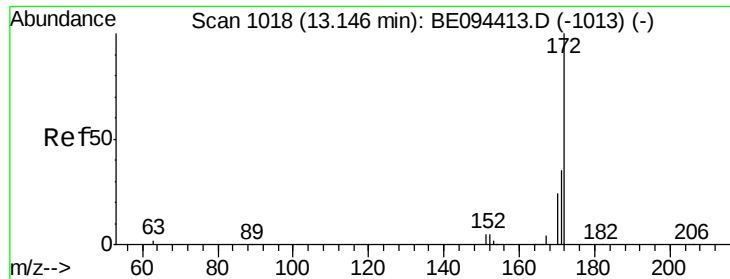


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

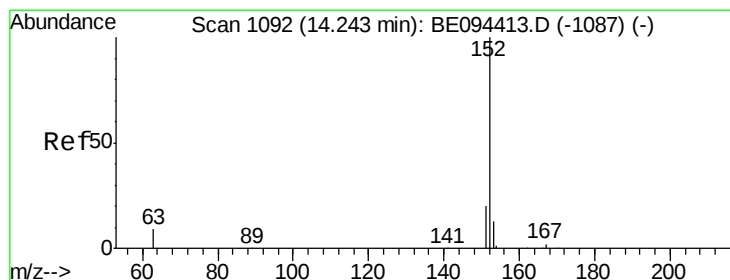
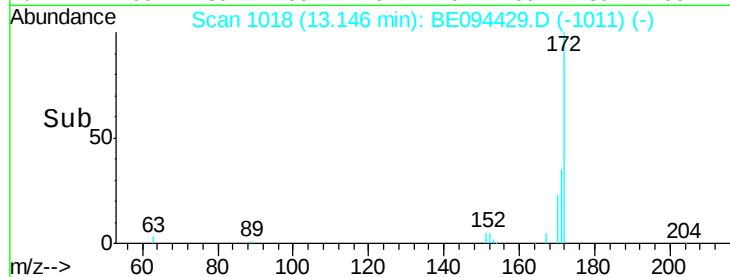
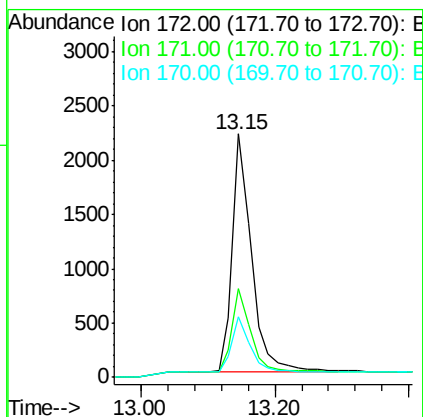
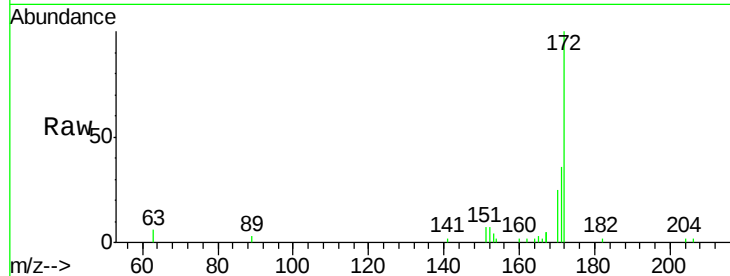




#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

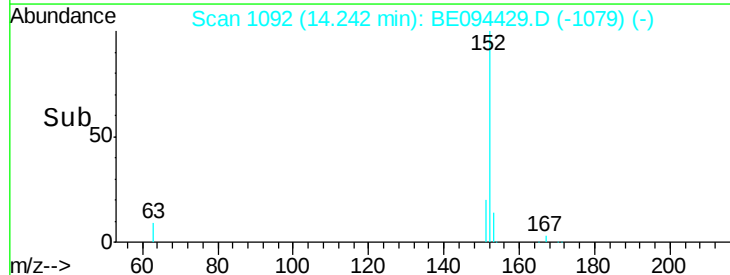
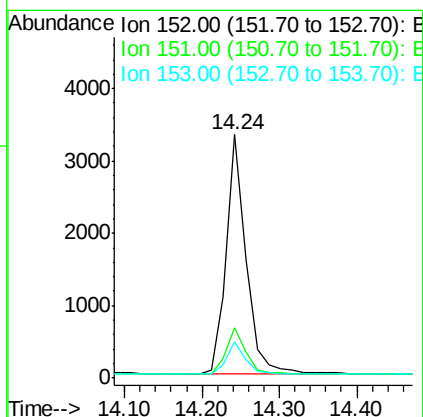
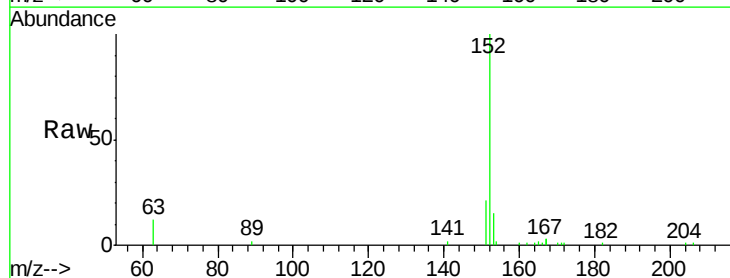
Instrument :
BNA_E
ClientSampleId :
PB102812BS

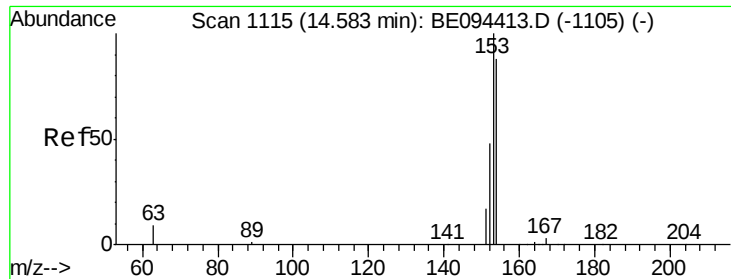
Tgt Ion:172 Resp: 4397
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 24.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.293 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion:152 Resp: 5942
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.5 10.5 15.7





#17

Acenaphthene

Concen: 0.296 ng

RT: 14.58 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

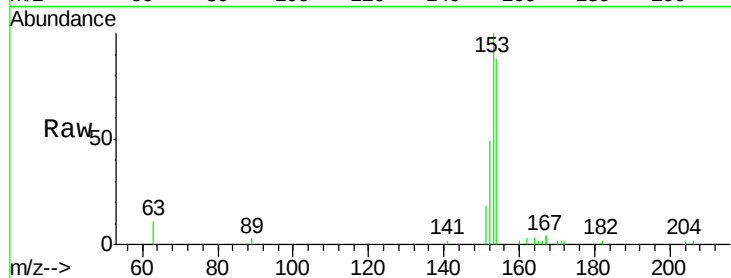
Tgt Ion:154 Resp: 3785

Ion Ratio Lower Upper

154 100

153 113.6 89.2 133.8

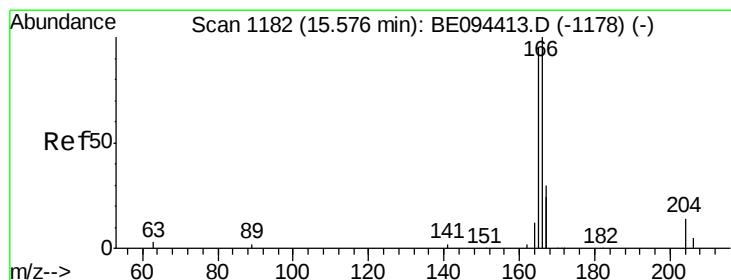
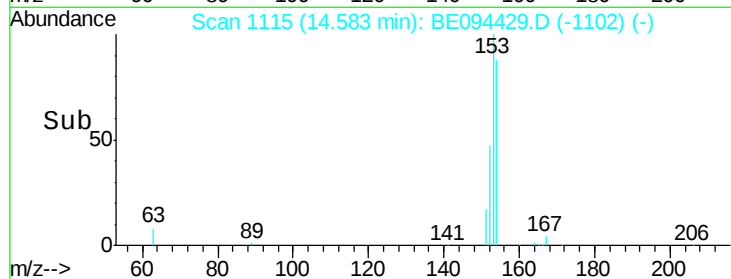
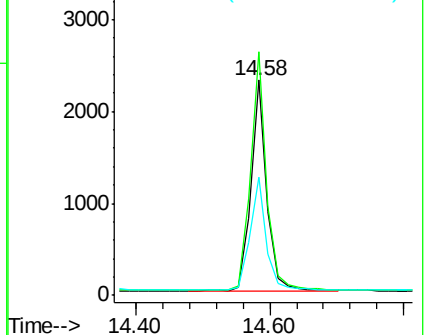
152 54.6 42.0 63.0



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: 0.306 ng

RT: 15.58 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

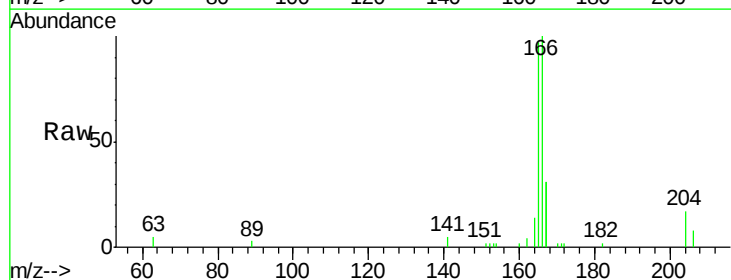
Tgt Ion:166 Resp: 5045

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.6

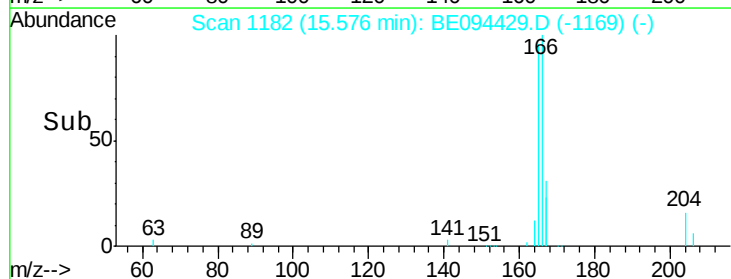
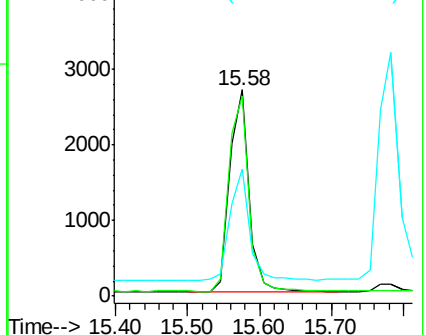
167 54.9 42.4 63.6

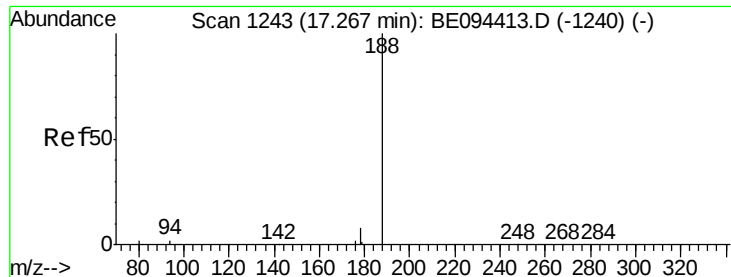


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

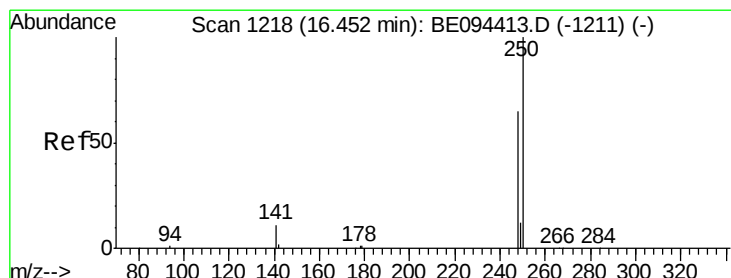
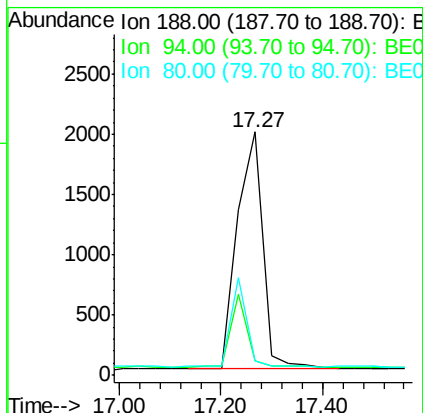
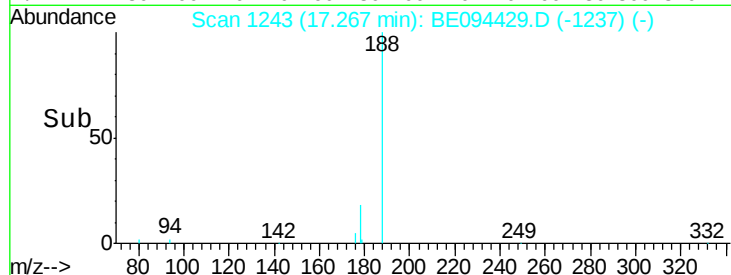
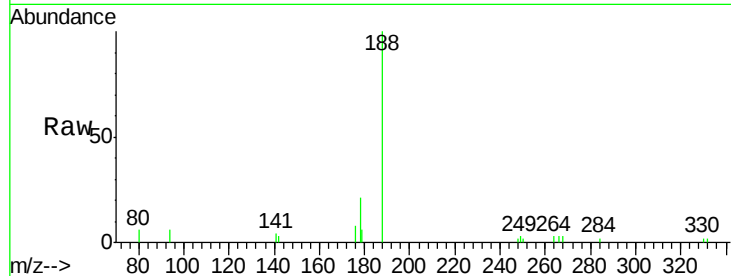
Tgt Ion:188 Resp: 6853

Ion Ratio Lower Upper

188 100

94 5.9 3.9 5.9#

80 5.9 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.295 ng

RT: 16.45 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

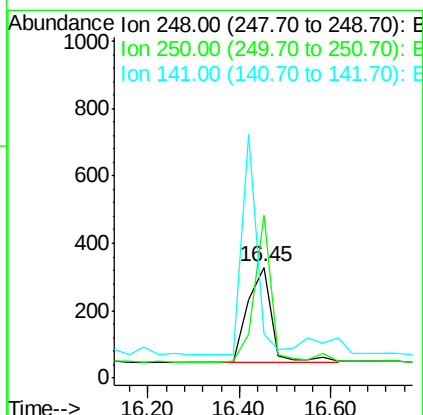
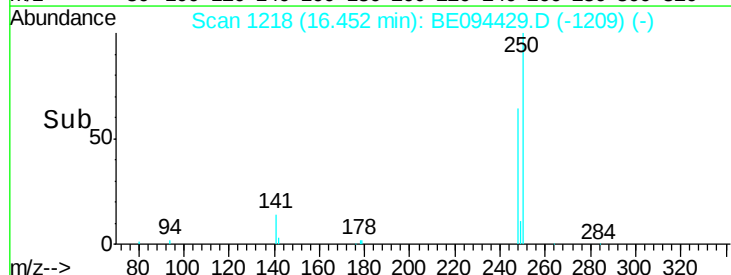
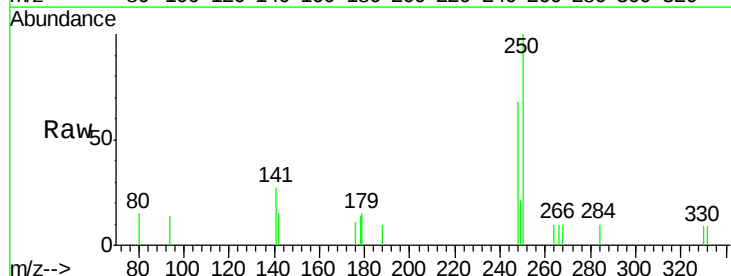
Tgt Ion:248 Resp: 1013

Ion Ratio Lower Upper

248 100

250 147.9 62.7 94.1#

141 40.2 48.2 72.2#

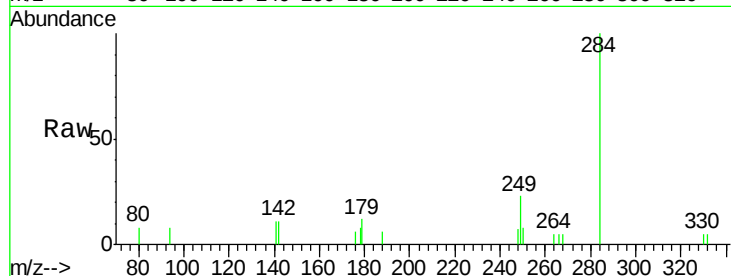




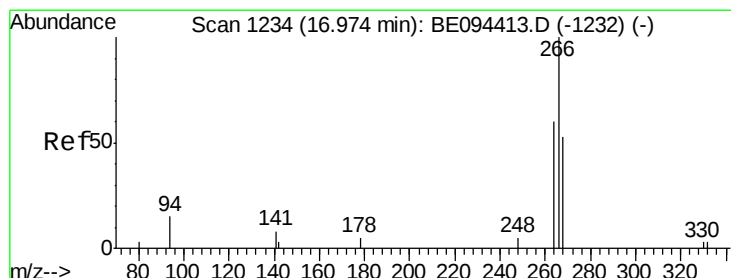
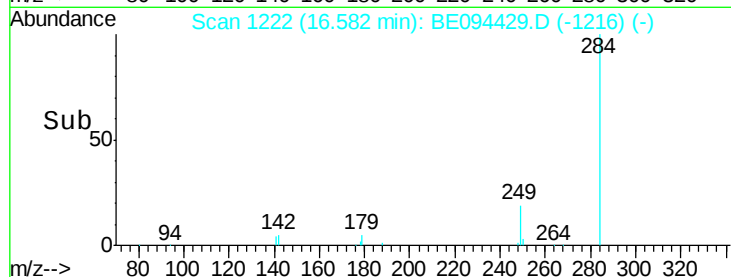
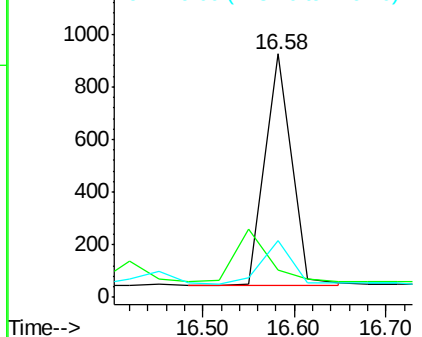
#21
Hexachlorobenzene
Concen: 0.274 ng
RT: 16.58 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion: 284 Resp: 1785
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 20.6 34.8 52.2#

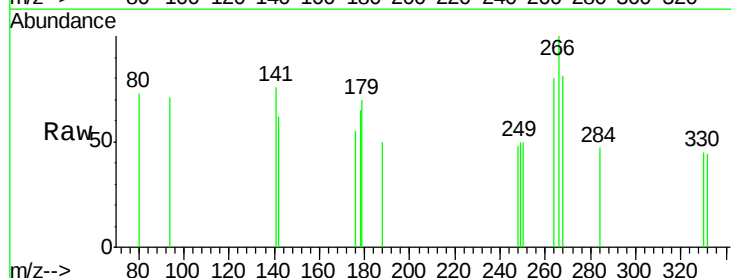


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

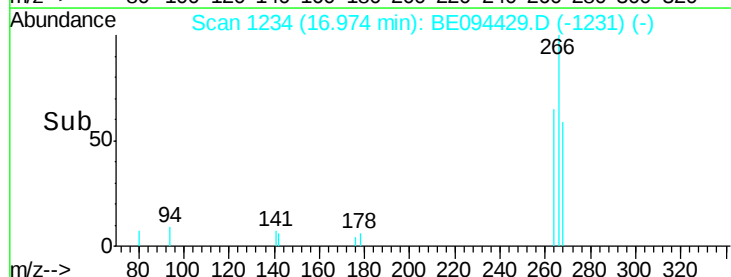
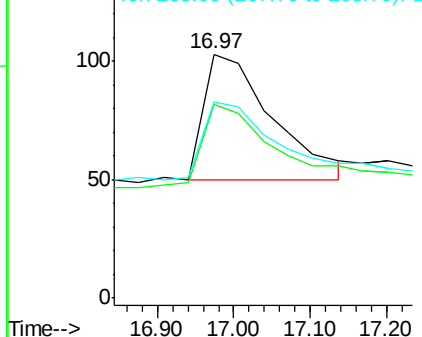


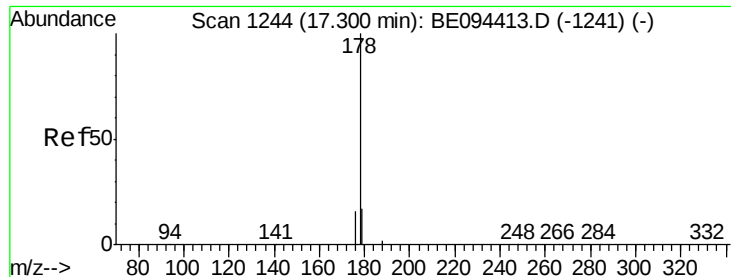
#22
Pentachlorophenol
Concen: 0.616 ng
RT: 16.97 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion: 266 Resp: 332
Ion Ratio Lower Upper
266 100
264 79.6 72.5 108.7
268 80.6 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: 0.367 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

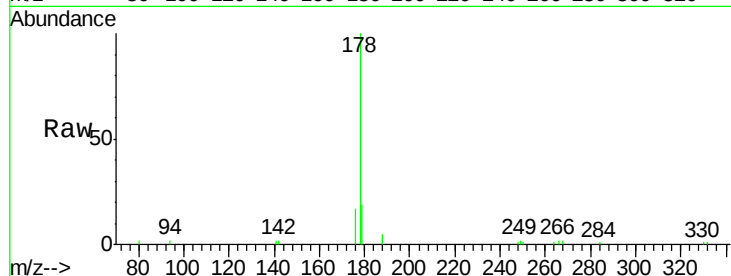
Tgt Ion:178 Resp: 9912

Ion Ratio Lower Upper

178 100

176 26.2 15.1 22.7#

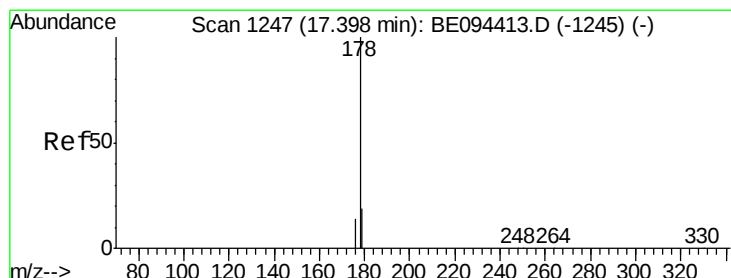
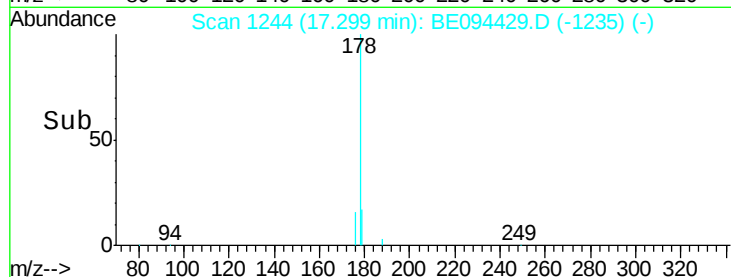
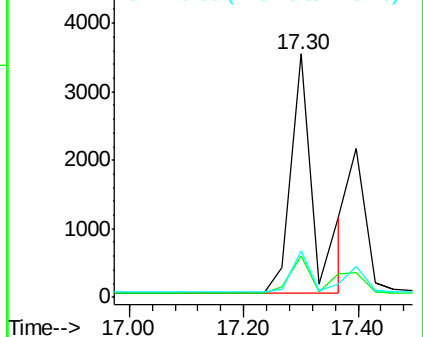
179 15.6 11.8 17.6



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: 0.475 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

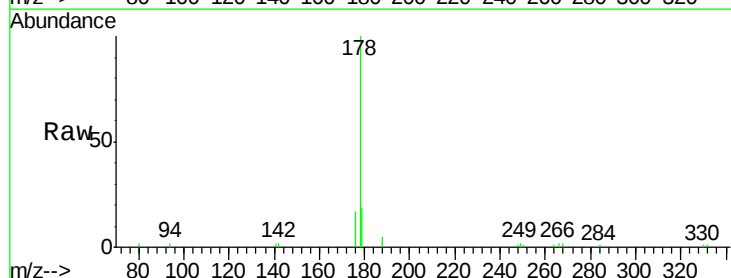
Tgt Ion:178 Resp: 9898

Ion Ratio Lower Upper

178 100

176 26.1 12.8 19.2#

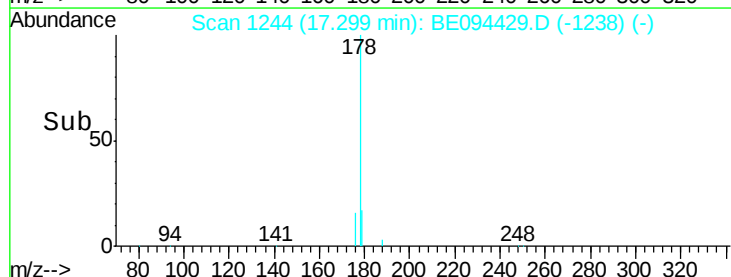
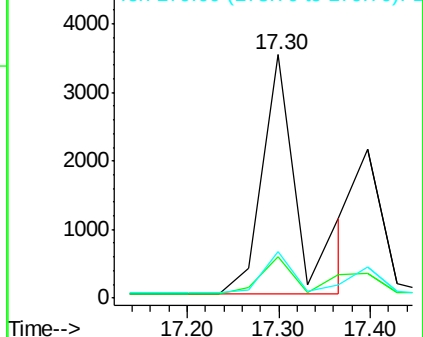
179 15.5 13.0 19.6

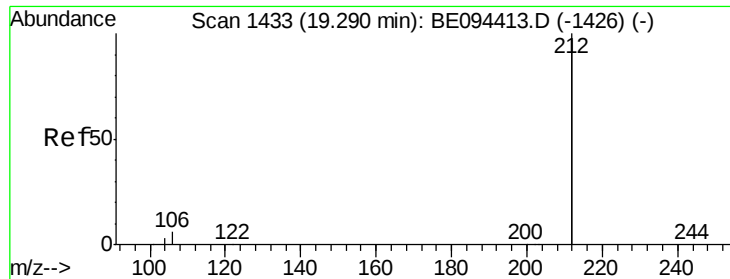


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

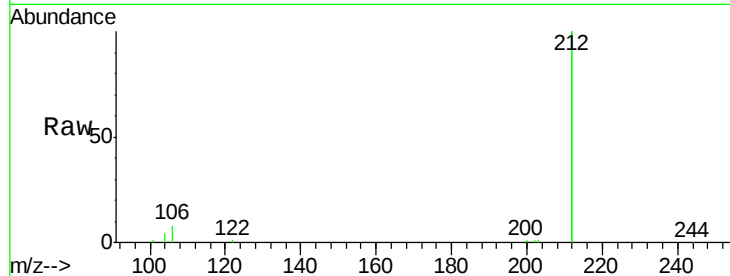
Tgt Ion:212 Resp: 40272

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

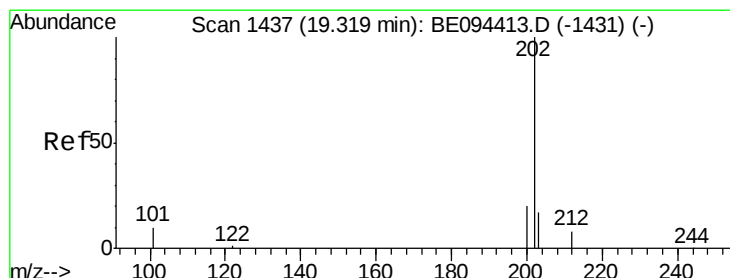
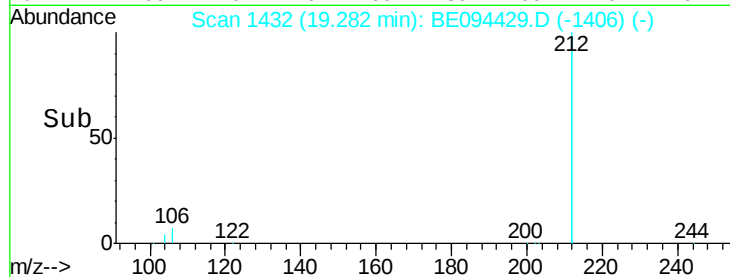
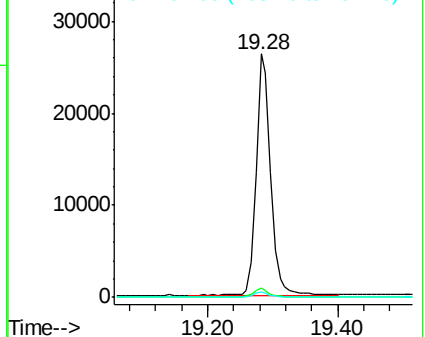
104 2.0 1.6 2.4



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: 0.324 ng

RT: 19.31 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

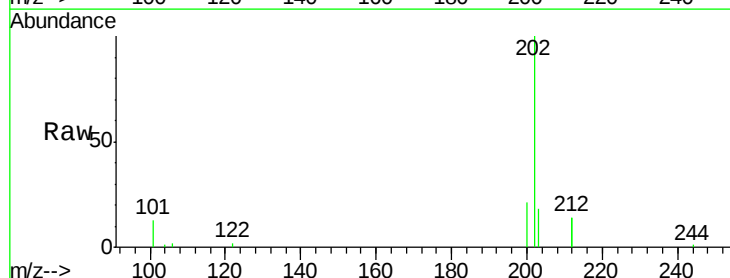
Tgt Ion:202 Resp: 10832

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.8

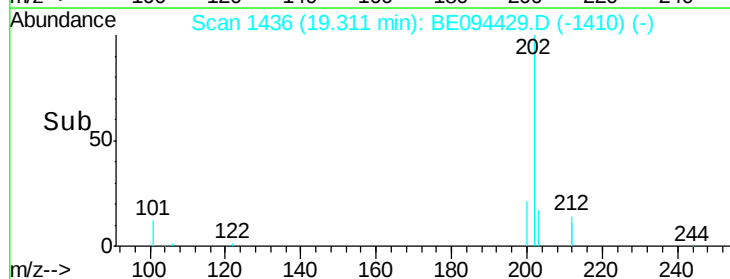
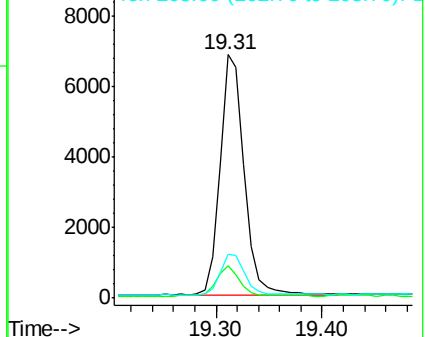
203 17.8 13.7 20.5



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: 21.43 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

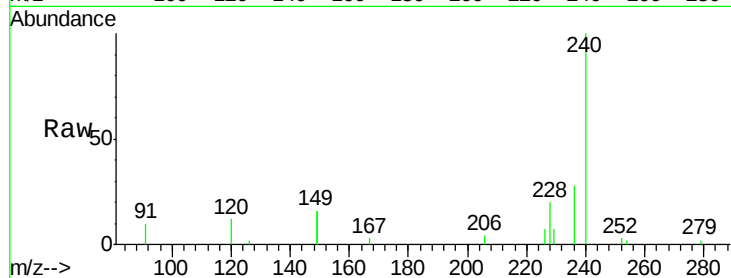
Tgt Ion:240 Resp: 10960

Ion Ratio Lower Upper

240 100

120 11.6 5.5 8.3#

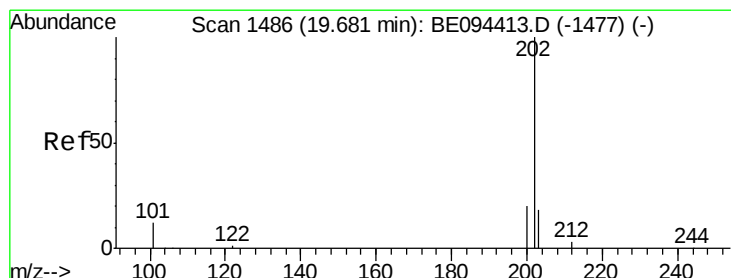
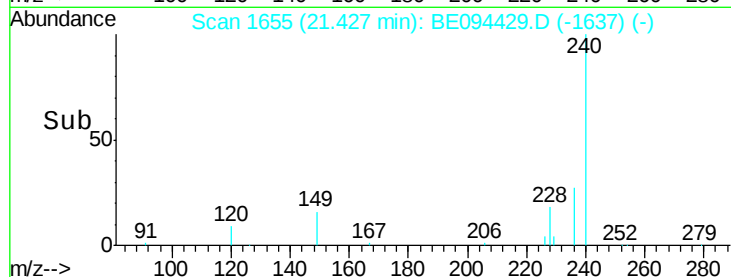
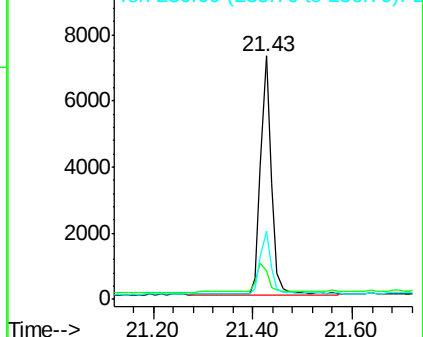
236 28.1 20.7 31.1



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: 0.272 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

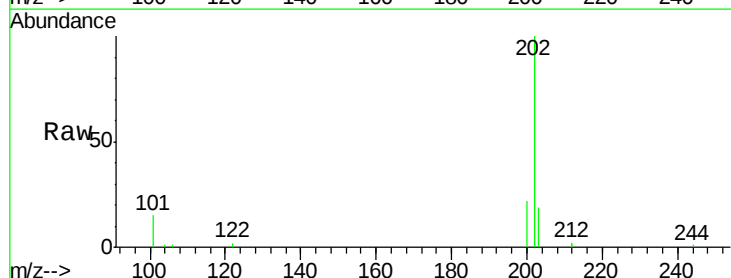
Tgt Ion:202 Resp: 11247

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

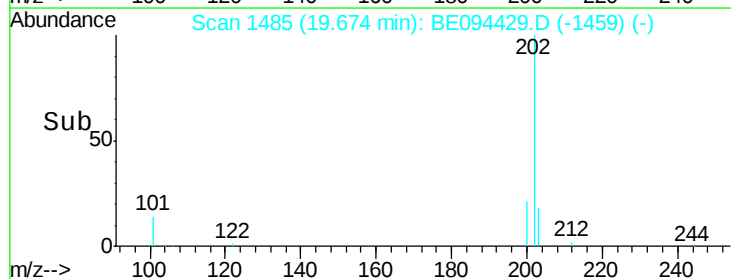
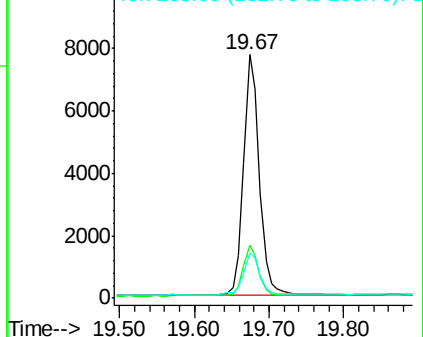
203 18.5 13.8 20.8

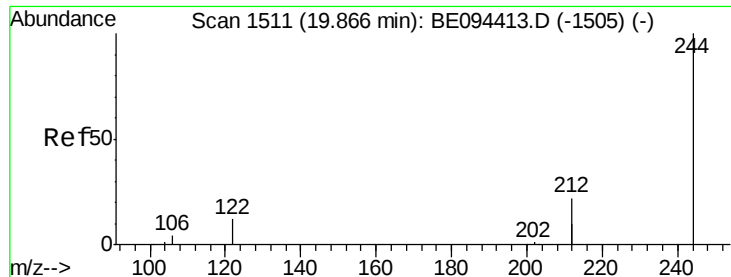


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.304 ng

RT: 19.87 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

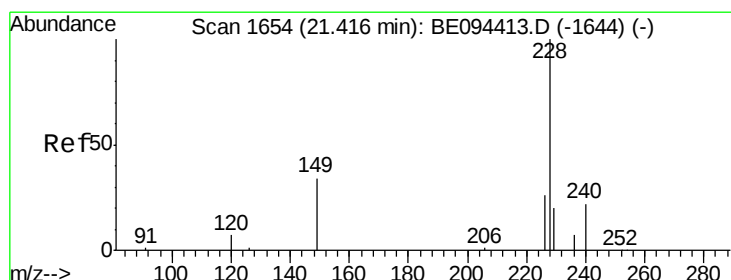
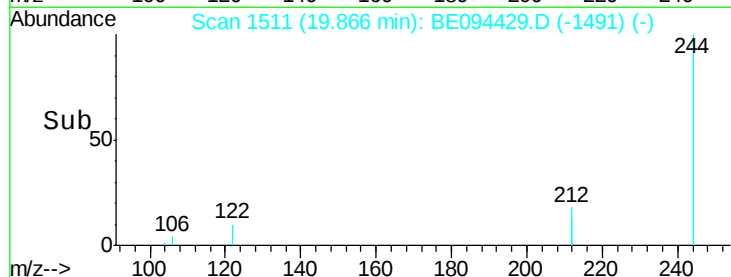
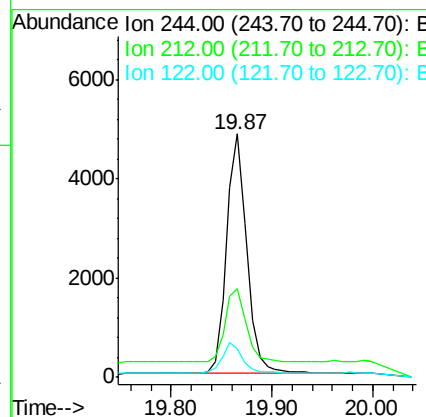
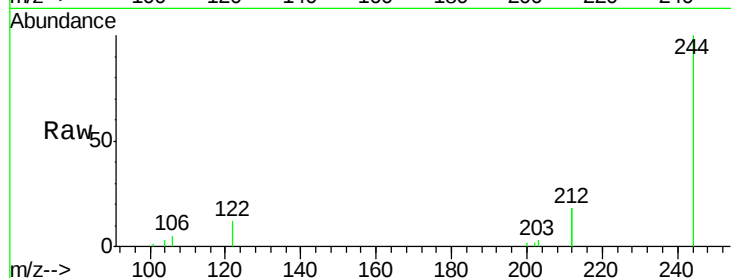
BNA_E

ClientSampleId :

PB102812BS

Tgt Ion:244 Resp: 6717

Ion	Ratio	Lower	Upper
244	100		
212	36.2	25.4	38.0
122	11.7	8.1	12.1



#30

Benzo(a)anthracene

Concen: 0.297 ng

RT: 21.40 min Scan# 1653

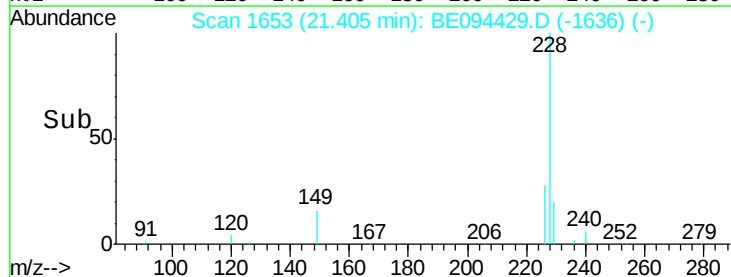
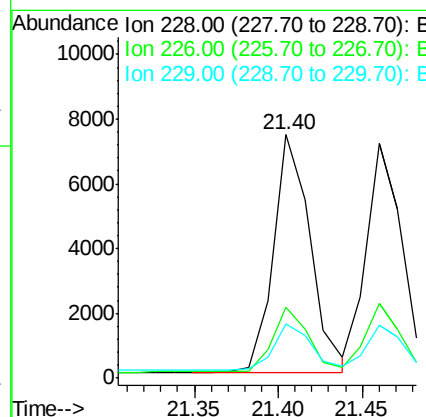
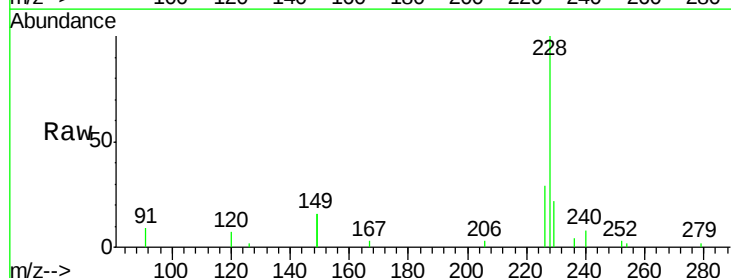
Delta R.T. -0.01 min

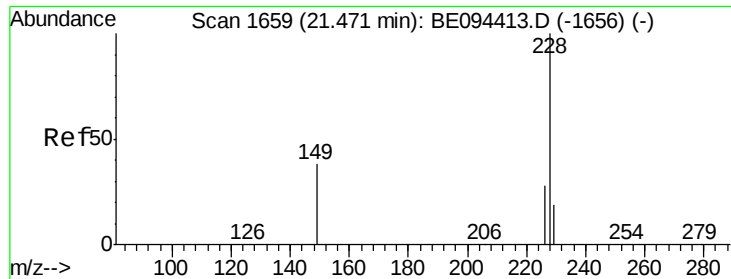
Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Tgt Ion:228 Resp: 11245

Ion	Ratio	Lower	Upper
228	100		
226	29.3	40.0	60.0#
229	22.4	40.0	60.0#





#31

Chrysene

Concen: 0.295 ng

RT: 21.46 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

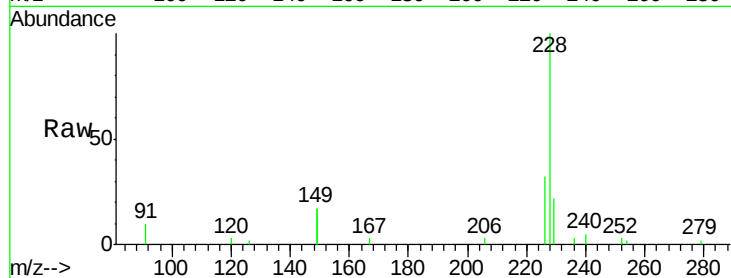
Tgt Ion: 228 Resp: 10751

Ion Ratio Lower Upper

228 100

226 32.1 40.0 60.0#

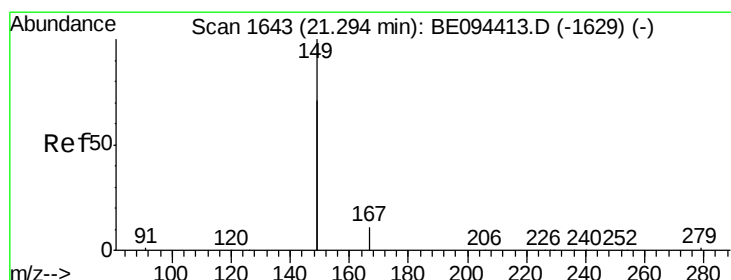
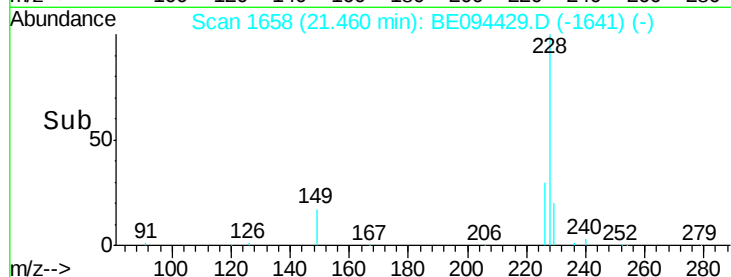
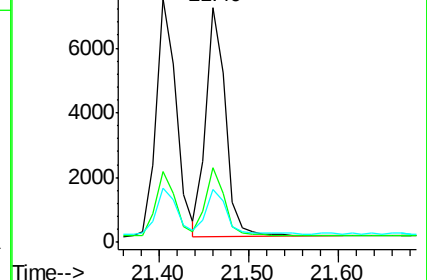
229 22.4 40.0 60.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.274 ng

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

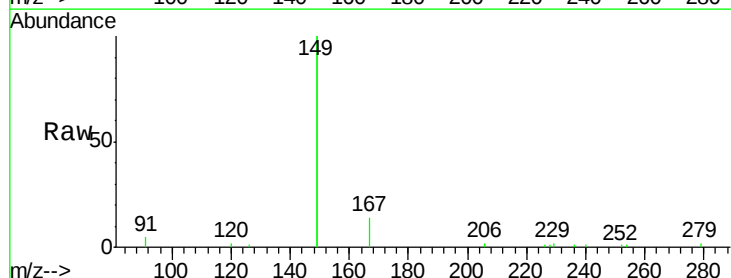
Tgt Ion: 149 Resp: 29858

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

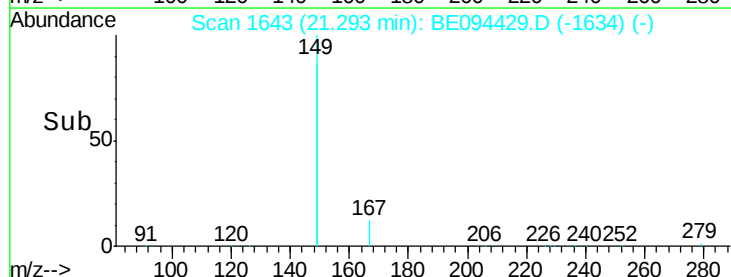
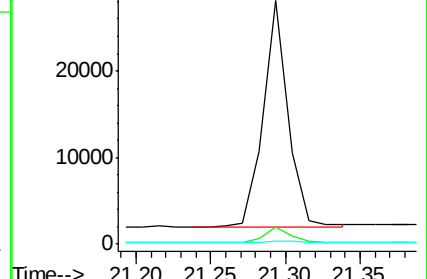
279 1.0 0.7 1.1



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: 0.302 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

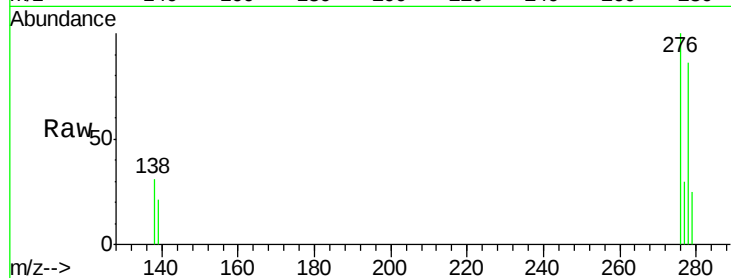
Tgt Ion:276 Resp: 11090

Ion Ratio Lower Upper

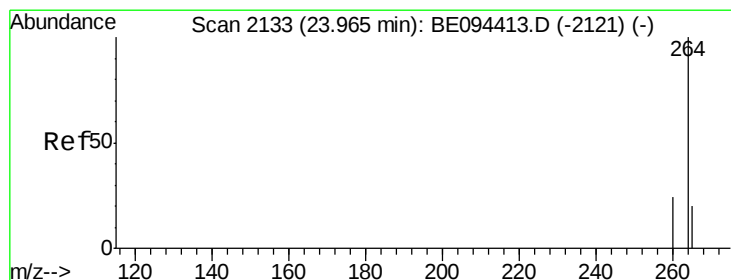
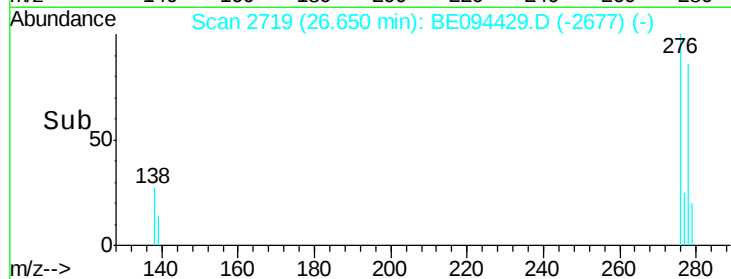
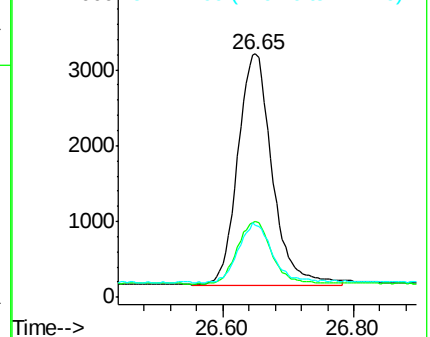
276 100

138 26.7 22.5 33.7

277 25.4 19.9 29.9



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: 23.96 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

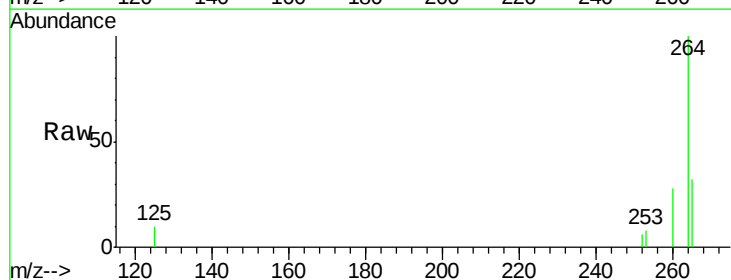
Tgt Ion:264 Resp: 10051

Ion Ratio Lower Upper

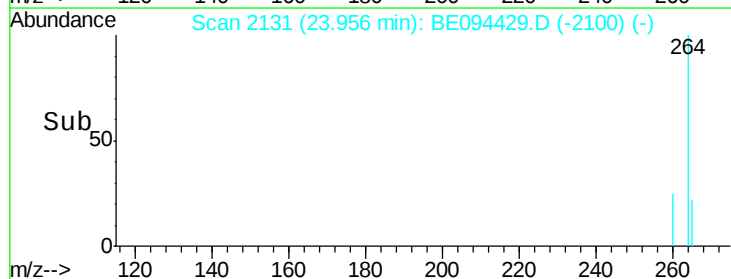
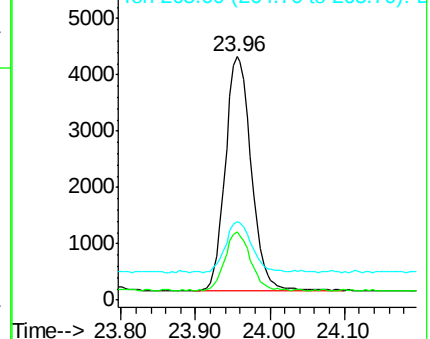
264 100

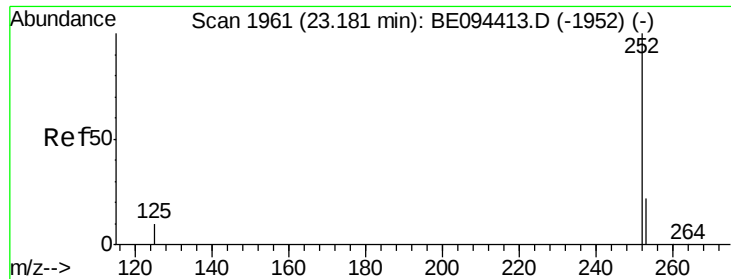
260 28.1 20.5 30.7

265 32.0 22.8 34.2



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

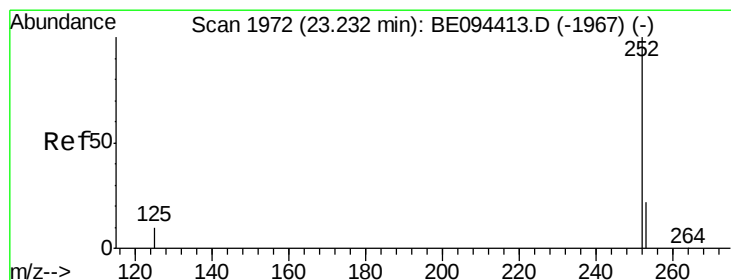
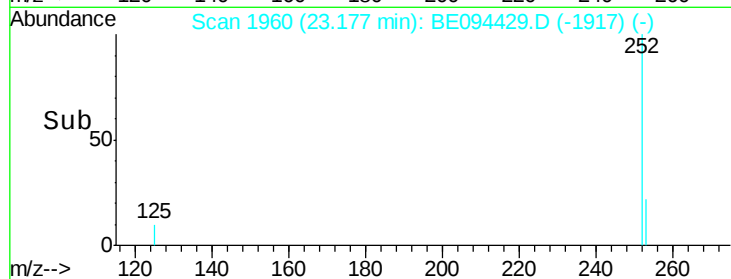
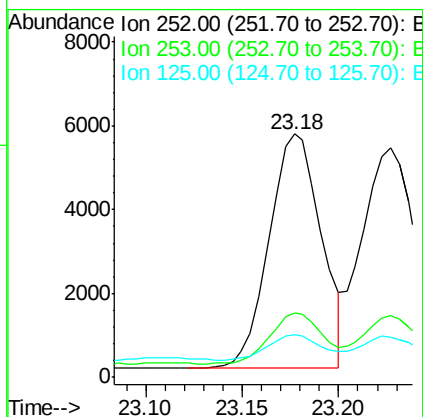
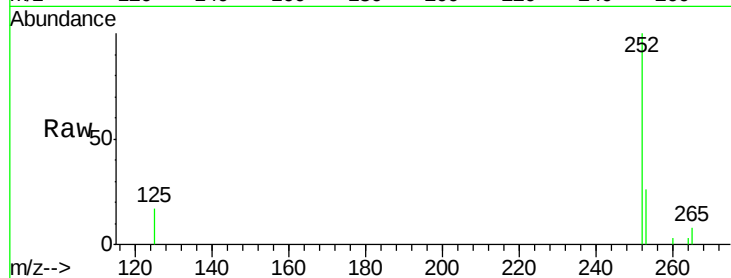




#35
Benzo(b)fluoranthene
Concen: 0.308 ng
RT: 23.18 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

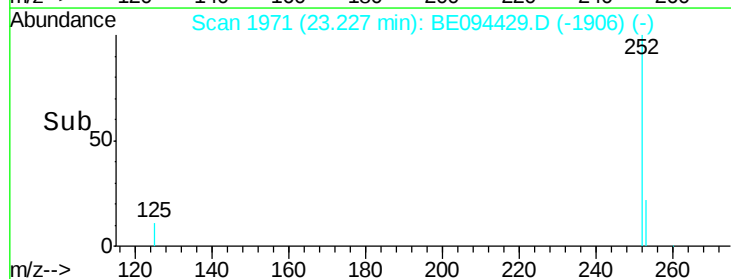
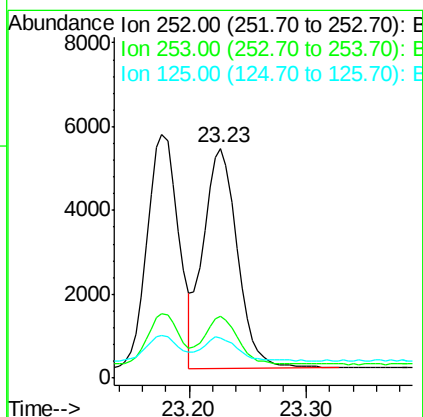
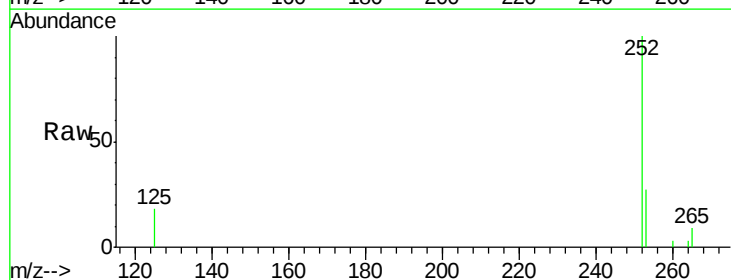
Instrument :
BNA_E
ClientSampleId :
PB102812BS

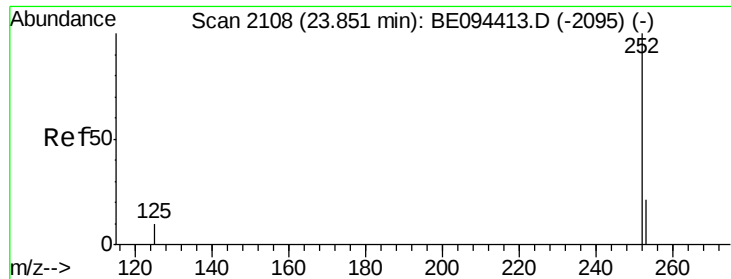
Tgt Ion: 252 Resp: 10502
Ion Ratio Lower Upper
252 100
253 26.4 48.0 72.0#
125 17.3 56.0 84.0#



#36
Benzo(k)fluoranthene
Concen: 0.317 ng
RT: 23.23 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion: 252 Resp: 10641
Ion Ratio Lower Upper
252 100
253 27.0 48.0 72.0#
125 17.6 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.306 ng

RT: 23.84 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

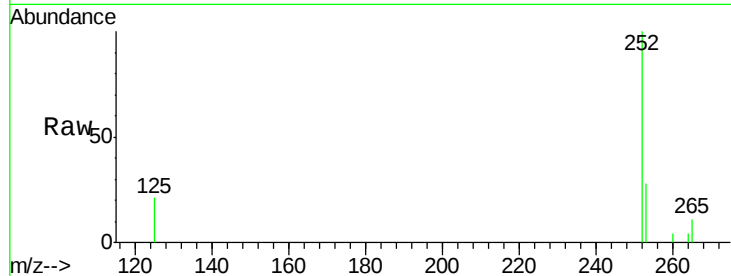
Tgt Ion: 252 Resp: 9792

Ion Ratio Lower Upper

252 100

253 28.1 52.0 78.0#

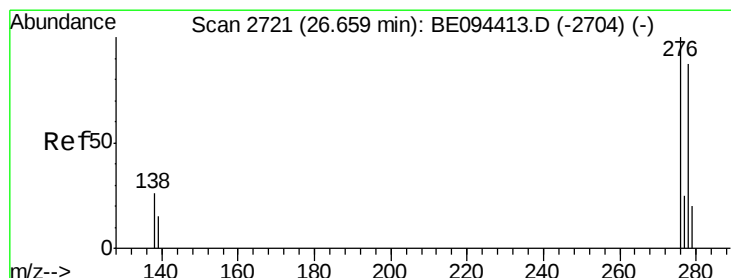
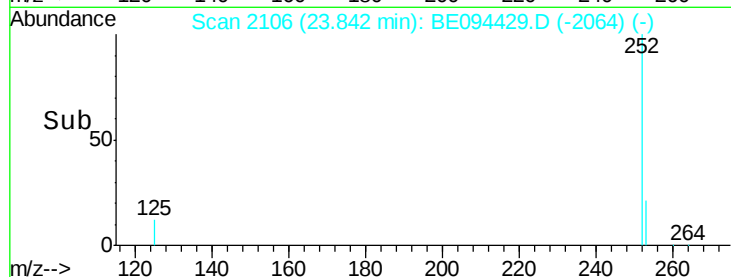
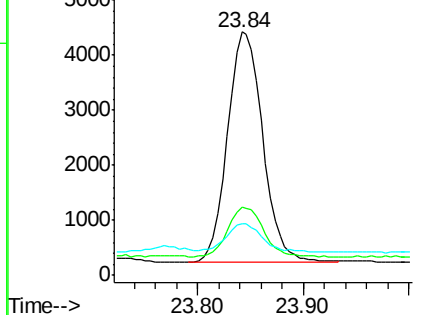
125 21.2 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.302 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

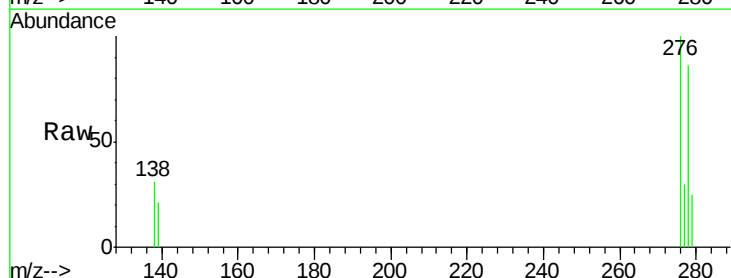
Tgt Ion: 278 Resp: 9157

Ion Ratio Lower Upper

278 100

139 24.8 56.0 84.0#

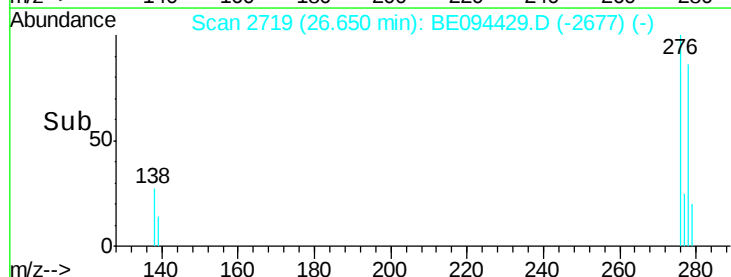
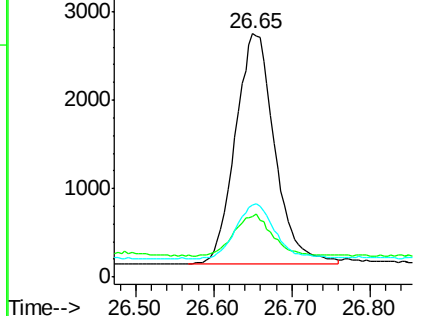
279 29.5 52.0 78.0#

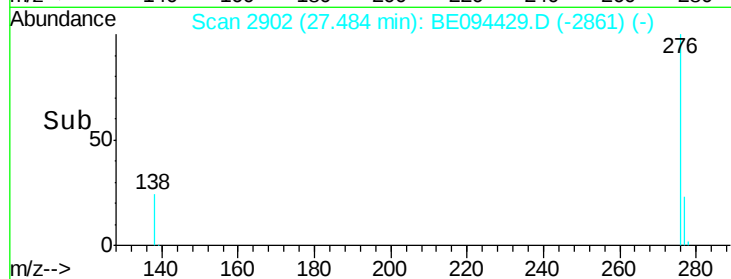
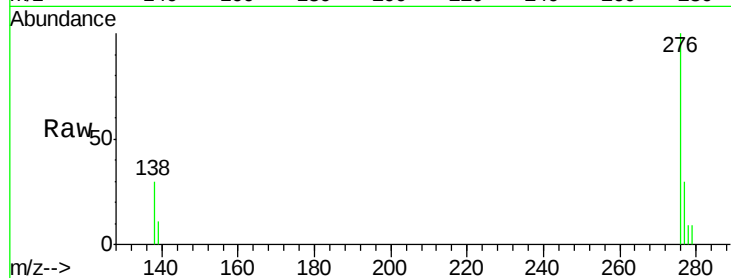
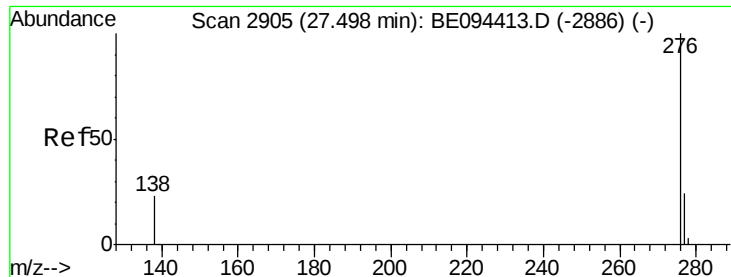


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.304 ng

RT: 27.48 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

Tgt Ion: 276 Resp: 8881

Ion Ratio Lower Upper

276 100

277 29.8 52.0 78.0#

138 29.6 44.0 66.0#

