

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101617\
 Data File : BE094421.D
 Acq On : 16 Oct 2017 17:40
 Operator : SJ/JU
 Sample : I5266-05DL 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Oct 16 18:20:29 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 13:38:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1206	0.40	ng	0.00
7) Naphthalene-d8	10.70	136	6489	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3821	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	7367	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9184	0.40	ng	0.00
34) Perylene-d12	23.96	264	8750	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.51	112	6214	1.36	ng	0.00
5) Phenol-d6	7.11	99	9700	1.53	ng	-0.02
8) Nitrobenzene-d5	9.08	82	6212	0.99	ng	0.00
11) 2-Methylnaphthalene-d10	12.41	152	5	0.00	ng	0.12
14) 2,4,6-Tribromophenol	16.03	330	2274	0.93	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	15314	1.21	ng	0.00
25) Fluoranthene-d10	19.29	212	45	0.00	ng	0.00
29) Terphenyl-d14	19.87	244	21138	1.26	ng	0.00

Target Compounds

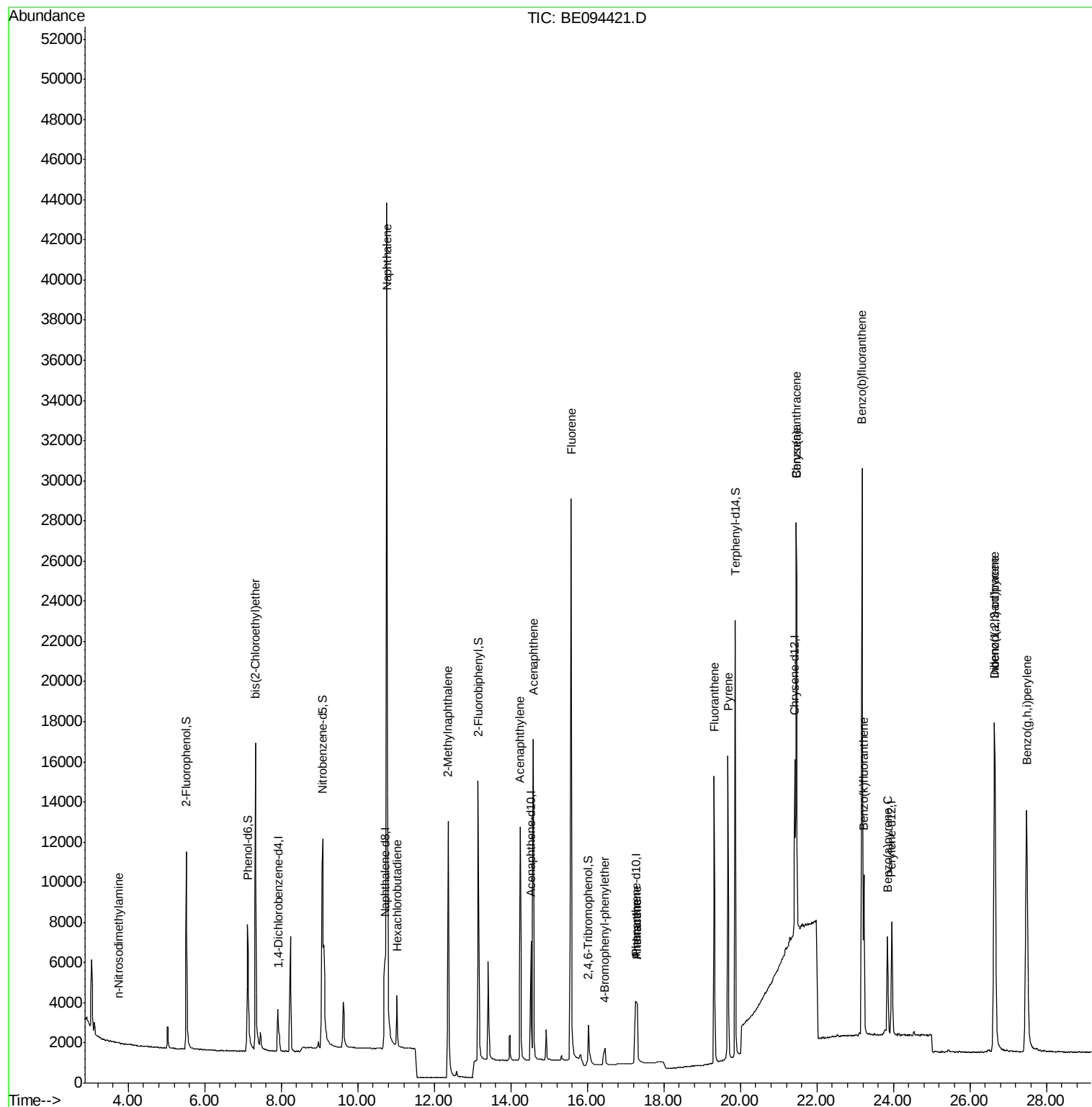
						Qvalue
3) n-Nitrosodimethylamine	3.74	42	62	0.021	ng	# 1
6) bis(2-Chloroethyl)ether	7.33	93	5967	1.212	ng	97
9) Naphthalene	10.76	128	92081	1.257	ng	99
10) Hexachlorobutadiene	11.02	225	2017	0.734	ng	97
12) 2-Methylnaphthalene	12.36	142	11914	1.004	ng	98
16) Acenaphthylene	14.24	152	14399	0.752	ng	100
17) Acenaphthene	14.58	154	9038	0.755	ng	99
18) Fluorene	15.58	166	17452	1.074	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	812	0.269	ng	# 60
23) Phenanthrene	17.30	178	4680	0.248	ng	# 94
24) Anthracene	17.30	178	4676	0.236	ng	99
26) Fluoranthene	19.32	202	15756	0.746	ng	99
28) Pyrene	19.67	202	15533	0.534	ng	98
30) Benzo(a)anthracene	21.46	228	22070	0.714	ng	# 66
31) Chrysene	21.46	228	22145	0.742	ng	# 66
33) Indeno(1,2,3-cd)pyrene	26.65	276	30175	0.945	ng	94
35) Benzo(b)fluoranthene	23.18	252	42439	1.344	ng	# 41
36) Benzo(k)fluoranthene	23.22	252	11100	0.367	ng	# 47
37) Benzo(a)pyrene	23.85	252	8158	0.286	ng	# 46
38) Dibenzo(a,h)anthracene	26.65	278	9532	0.353	ng	# 53
39) Benzo(g,h,i)perylene	27.48	276	32753	1.225	ng	# 56

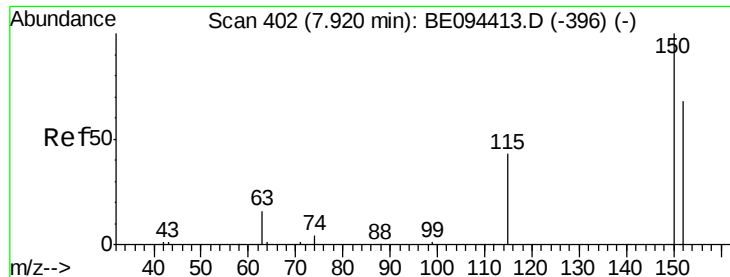
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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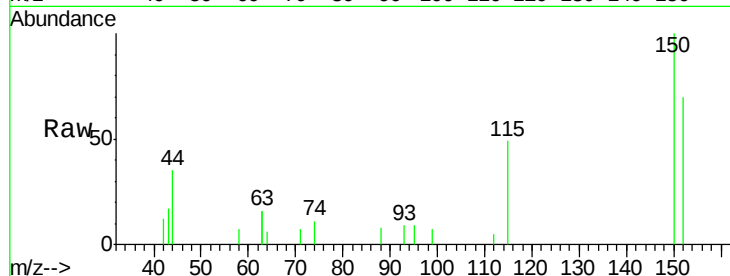


#1

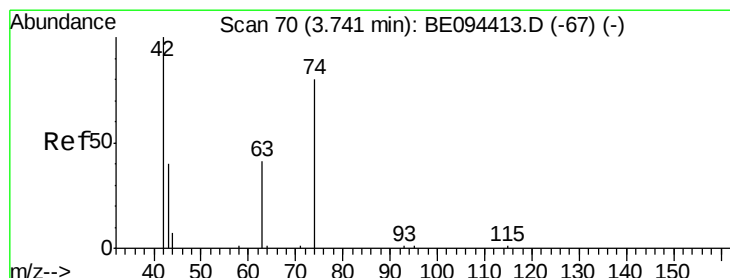
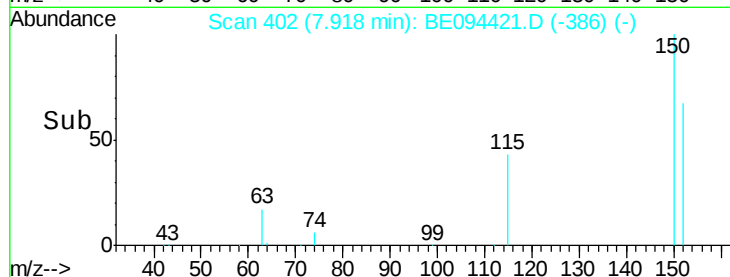
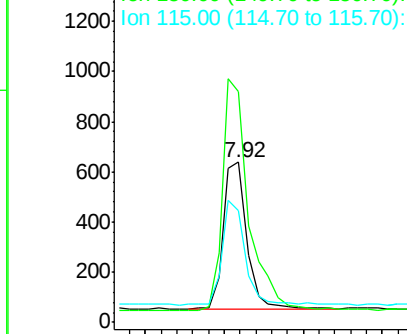
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094421.D
Acq: 16 Oct 2017 17:40

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tgt Ion: 152 Resp: 1206
Ion Ratio Lower Upper
152 100
150 143.7 117.2 175.8
115 70.1 57.0 85.6



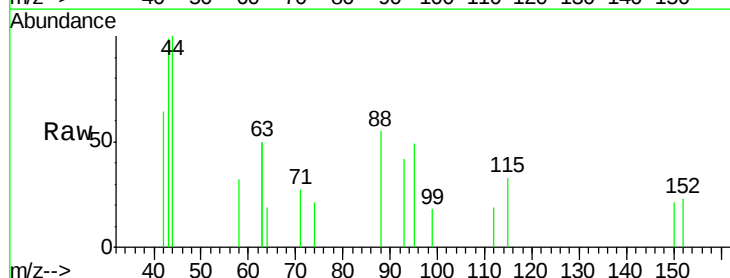
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



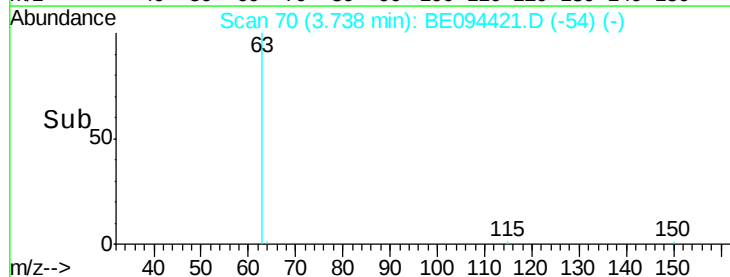
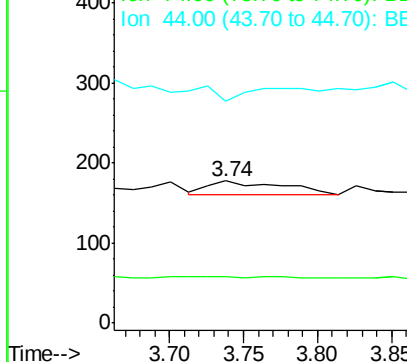
#3

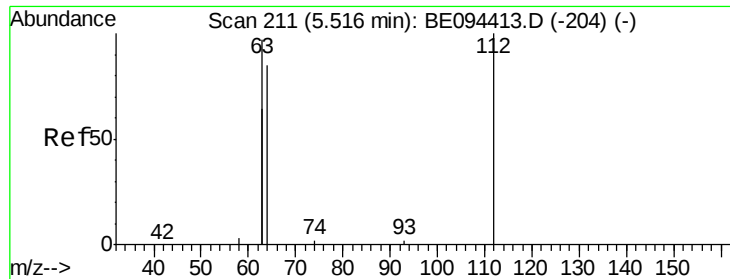
n-Nitrosodimethylamine
Concen: 0.021 ng
RT: 3.74 min Scan# 70
Delta R.T. -0.00 min
Lab File: BE094421.D
Acq: 16 Oct 2017 17:40

Tgt Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
74 0.0 100.3 150.5#
44 0.0 17.0 25.4#



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: 1.359 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

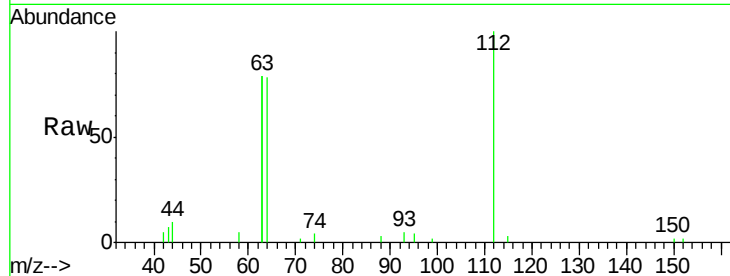
Tgt Ion: 112 Resp: 6214

Ion Ratio Lower Upper

112 100

64 71.8 60.1 90.1

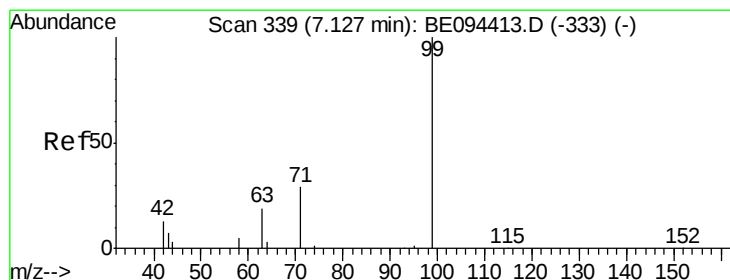
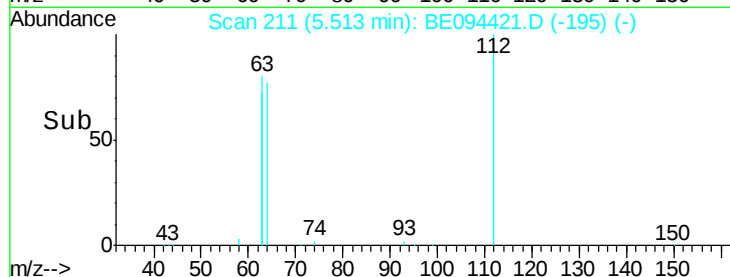
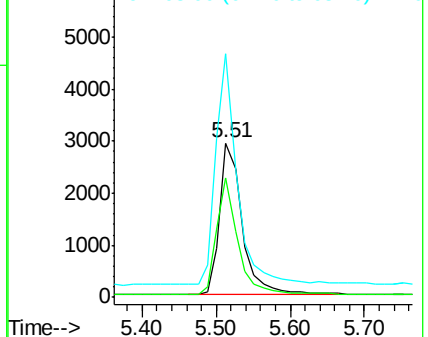
63 143.2 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE094421.D (-195) (-)

Ion 64.00 (63.70 to 64.70): BE094421.D (-195) (-)

Ion 63.00 (62.70 to 63.70): BE094421.D (-195) (-)



#5

Phenol-d6

Concen: 1.527 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.02 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

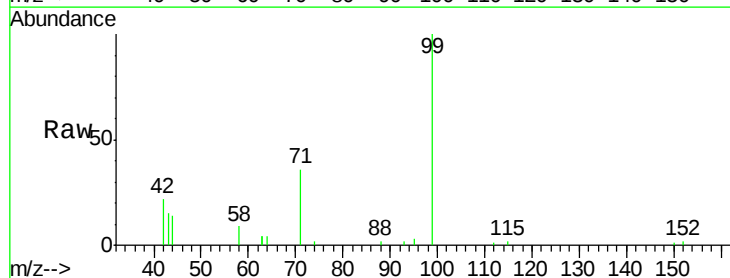
Tgt Ion: 99 Resp: 9700

Ion Ratio Lower Upper

99 100

42 19.3 20.2 30.2#

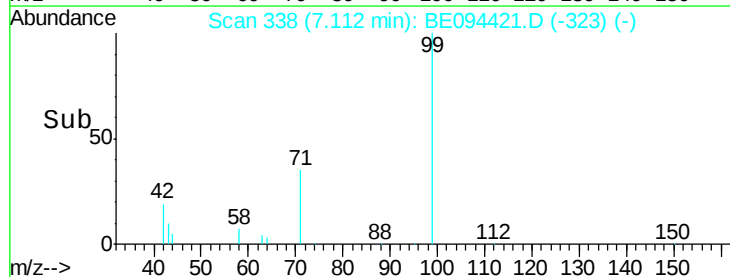
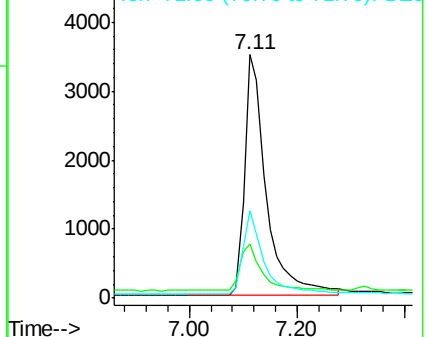
71 33.3 28.4 42.6

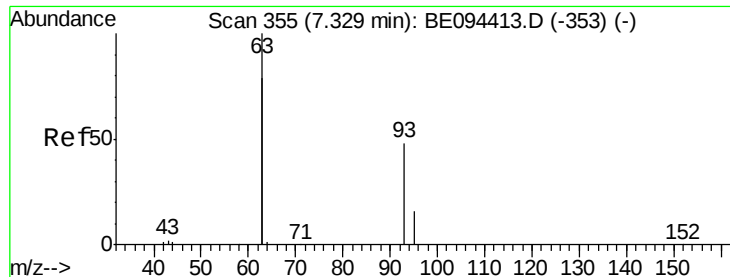


Abundance Ion 99.00 (98.70 to 99.70): BE094421.D (-323) (-)

Ion 42.00 (41.70 to 42.70): BE094421.D (-323) (-)

Ion 71.00 (70.70 to 71.70): BE094421.D (-323) (-)





#6

bis(2-Chloroethyl)ether

Concen: 1.212 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

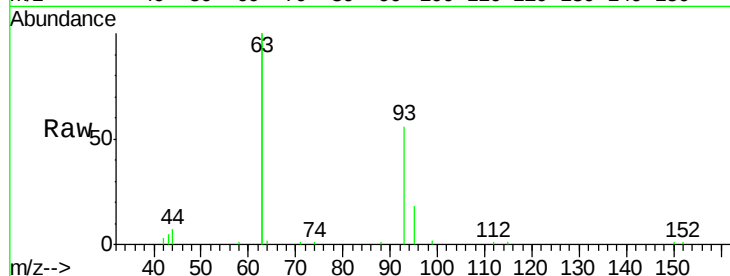
Tgt Ion: 93 Resp: 5967

Ion Ratio Lower Upper

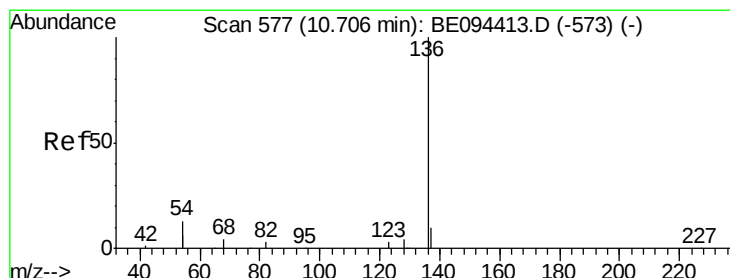
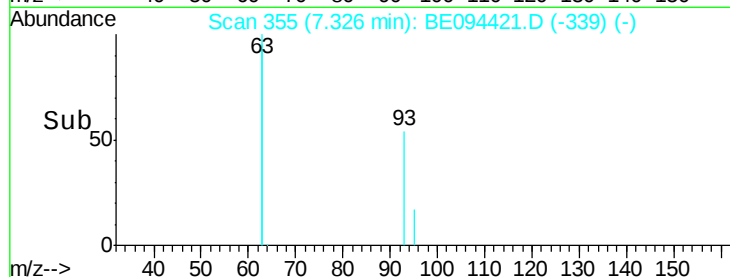
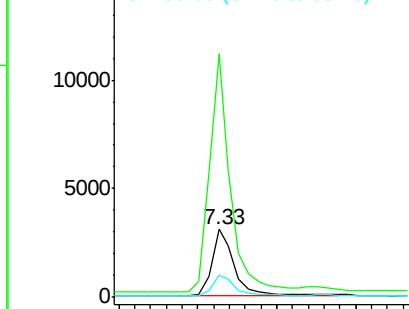
93 100

63 337.4 275.3 412.9

95 32.1 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: 10.70 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Tgt Ion: 136 Resp: 6489

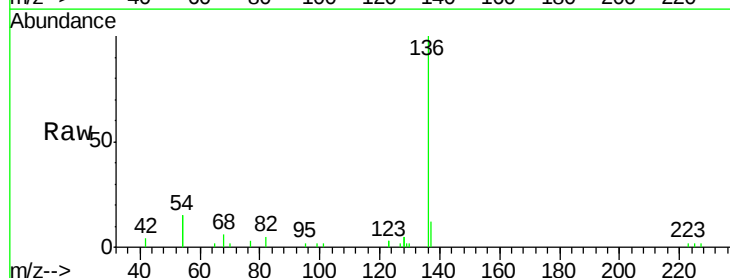
Ion Ratio Lower Upper

136 100

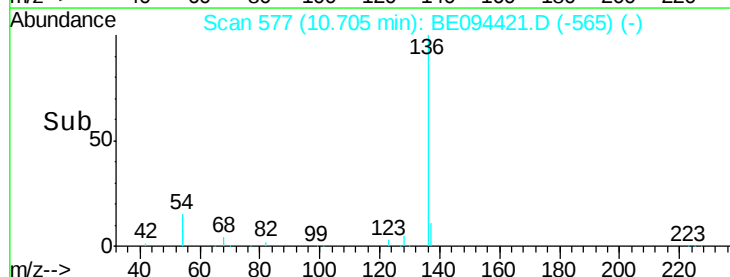
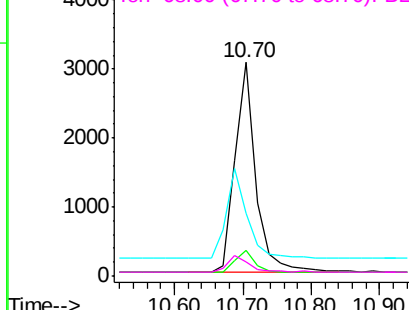
137 12.0 9.5 14.3

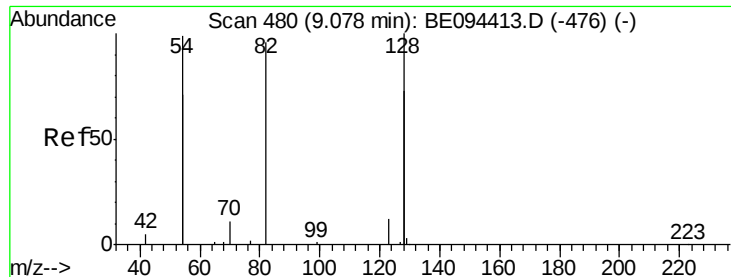
54 29.2 29.1 43.7

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: 0.989 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

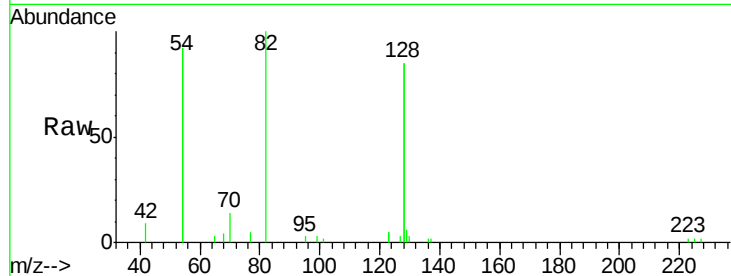
Tgt Ion: 82 Resp: 6212

Ion Ratio Lower Upper

82 100

128 170.5 150.0 225.0

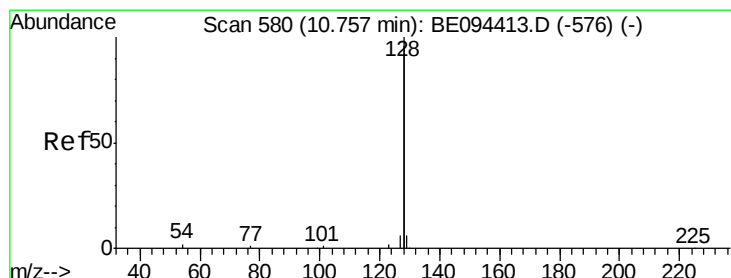
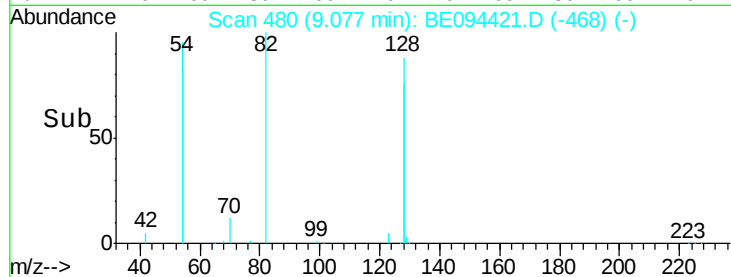
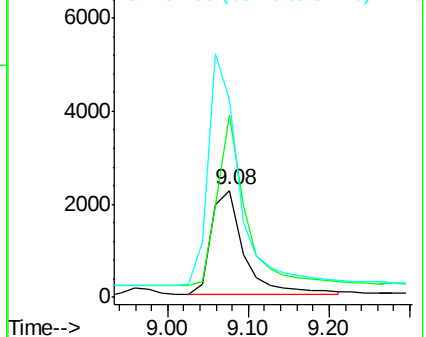
54 184.4 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 1.257 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

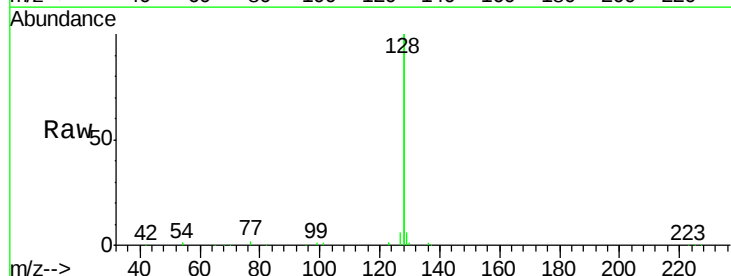
Tgt Ion: 128 Resp: 92081

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

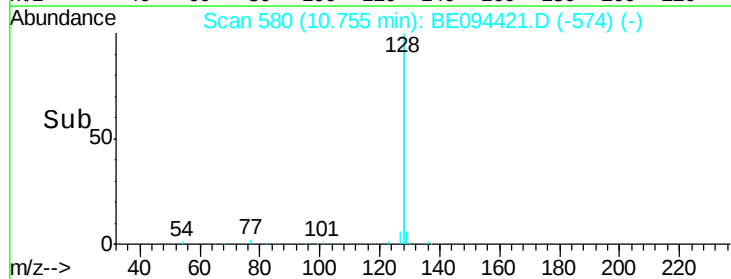
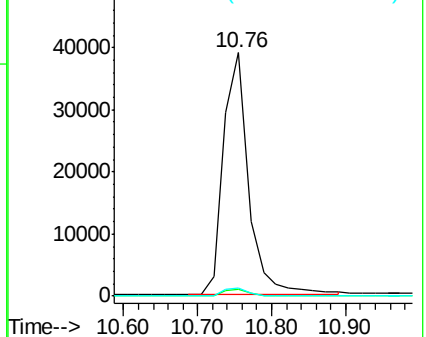
127 3.2 2.8 4.2

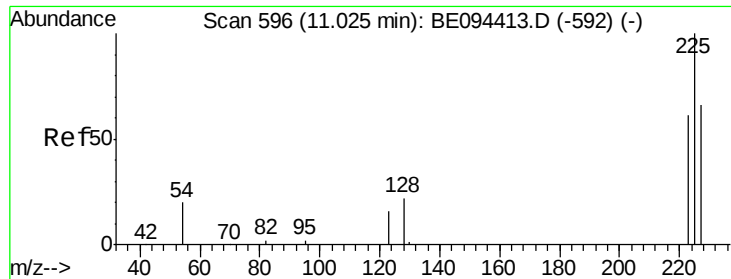


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

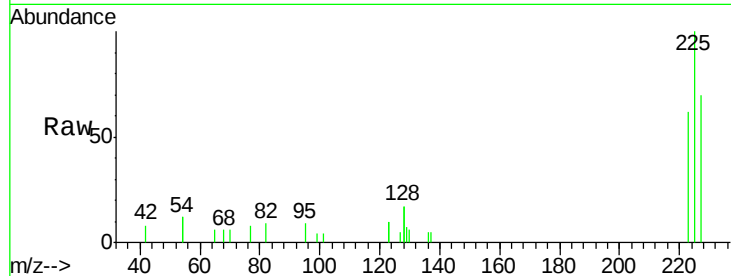




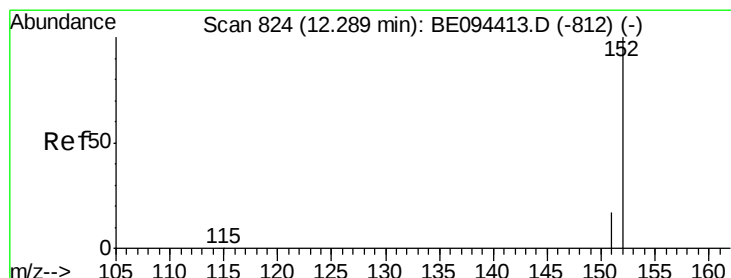
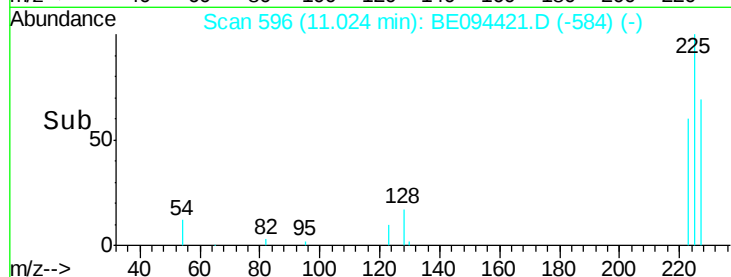
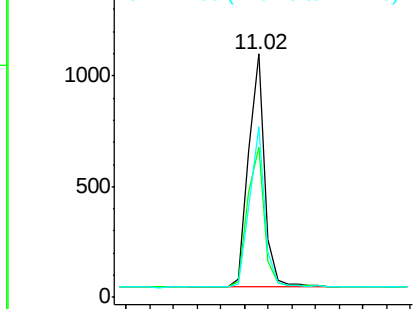
#10
Hexachlorobutadiene
Concen: 0.734 ng
RT: 11.02 min Scan# 596
Delta R.T. -0.00 min
Lab File: BE094421.D
Acq: 16 Oct 2017 17:40

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion: 225 Resp: 2017
Ion Ratio Lower Upper
225 100
223 62.3 53.0 79.6
227 65.3 51.4 77.2

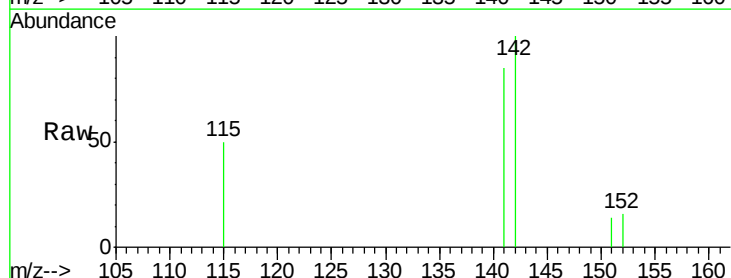


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

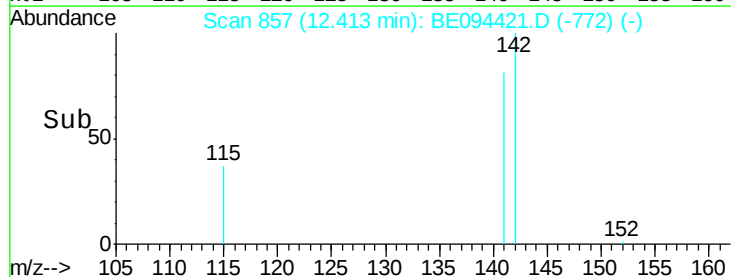
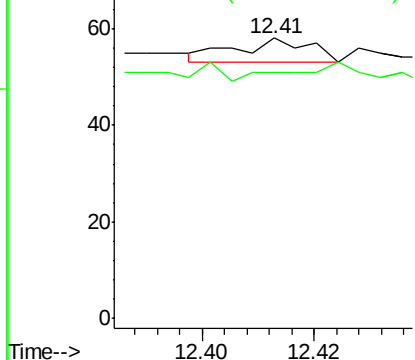


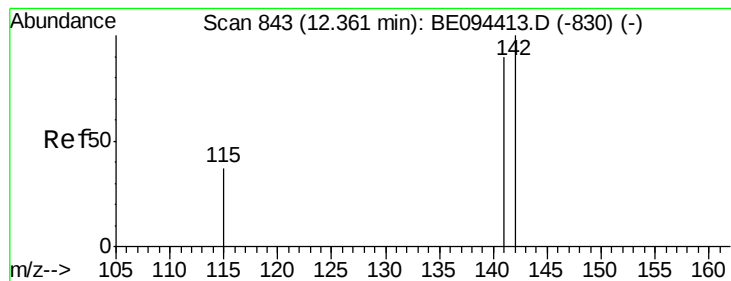
#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.41 min Scan# 857
Delta R.T. 0.12 min
Lab File: BE094421.D
Acq: 16 Oct 2017 17:40

Tgt Ion: 152 Resp: 5
Ion Ratio Lower Upper
152 100
151 20.0 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: 1.004 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

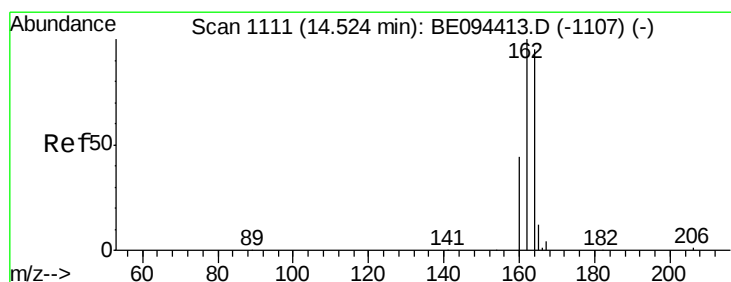
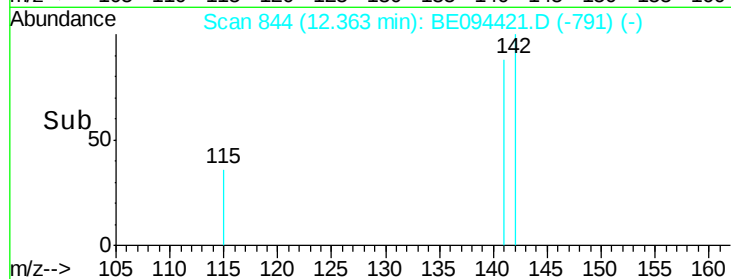
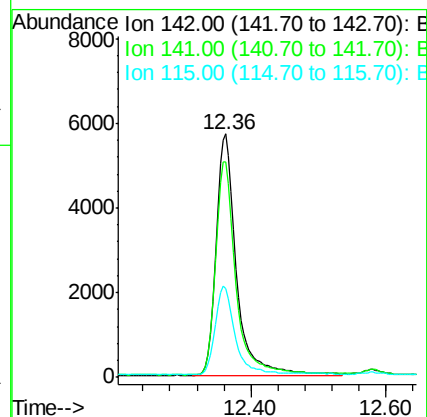
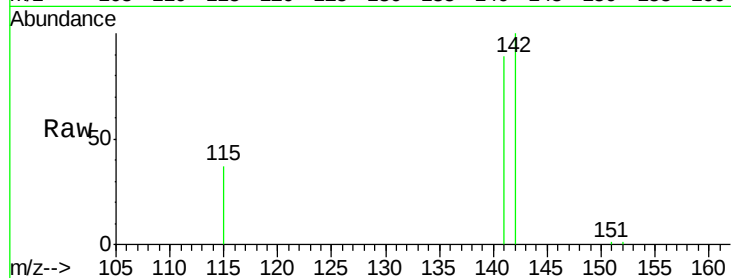
Tgt Ion:142 Resp: 11914

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

115 36.6 31.7 47.5



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

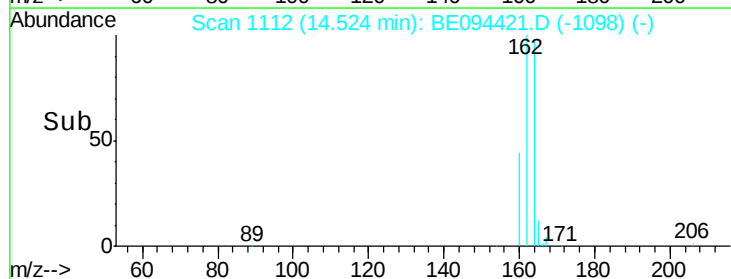
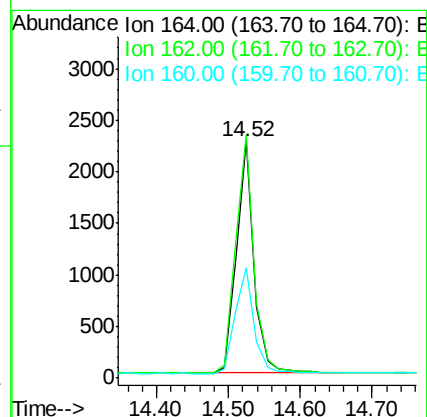
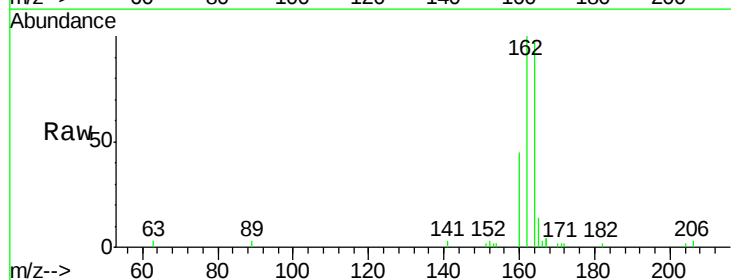
Tgt Ion:164 Resp: 3821

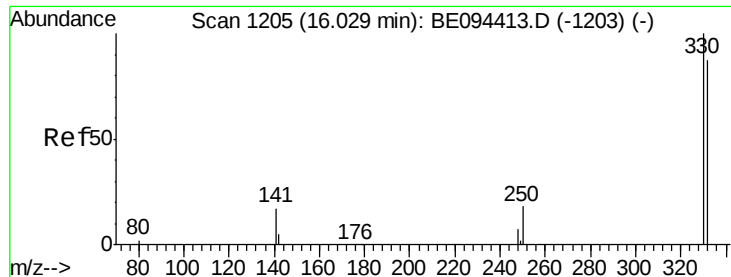
Ion Ratio Lower Upper

164 100

162 102.8 83.1 124.7

160 46.6 37.1 55.7

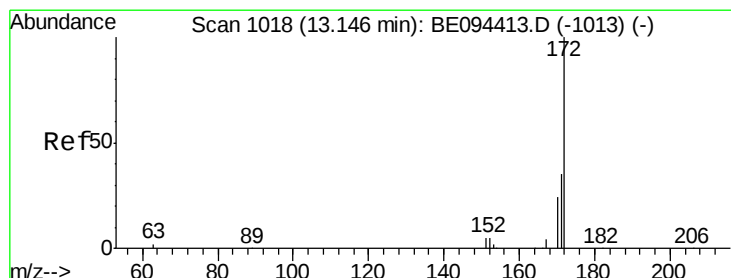
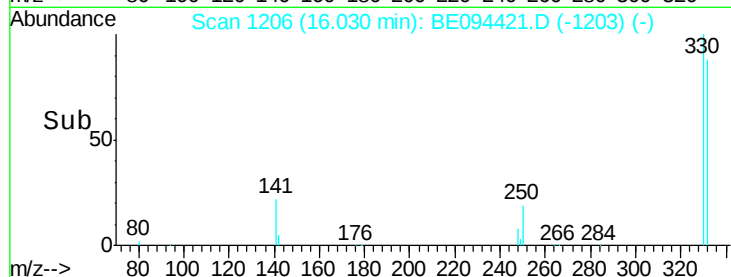
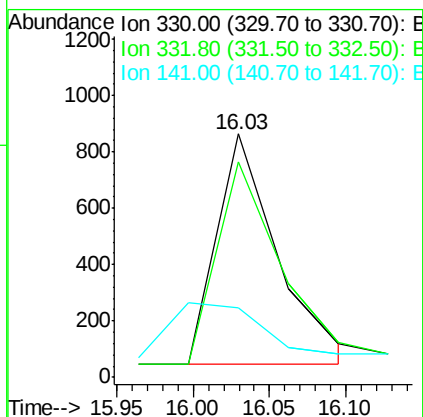
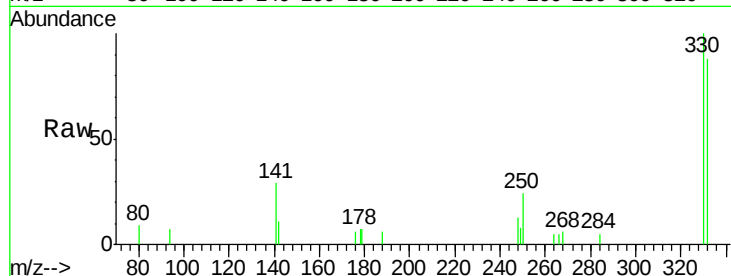




#14
 2,4,6-Tribromophenol
 Concen: 0.929 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE094421.D
 Acq: 16 Oct 2017 17:40

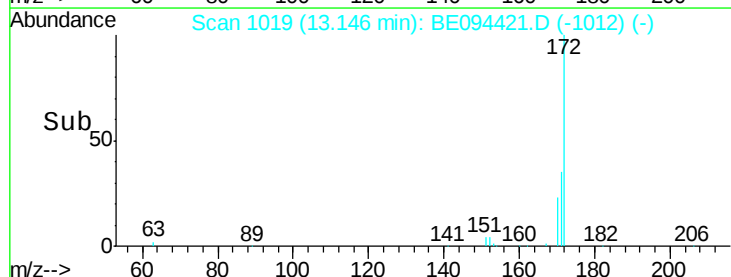
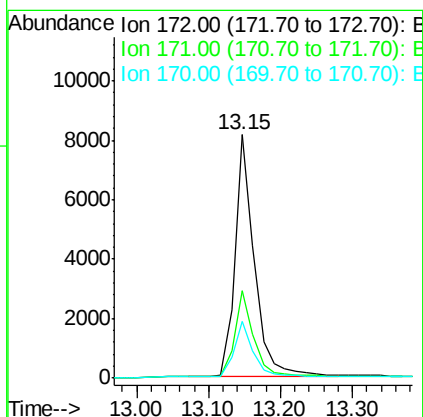
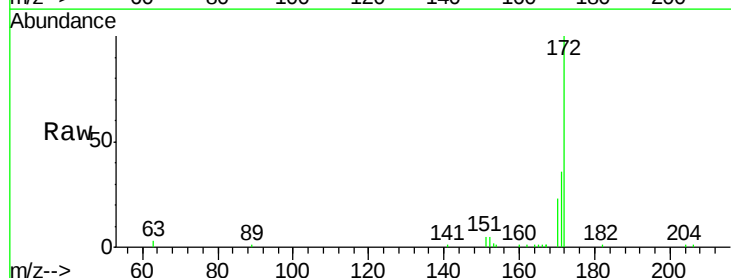
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

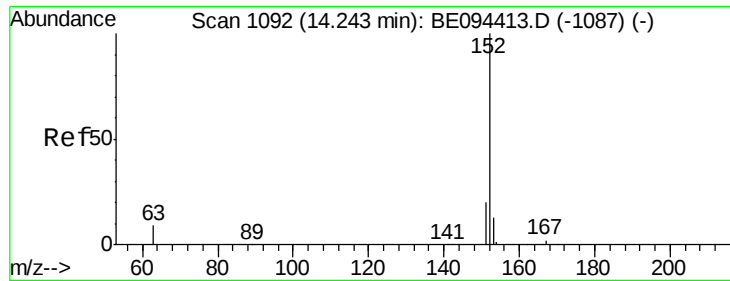
Tgt Ion: 330 Resp: 2274
 Ion Ratio Lower Upper
 330 100
 332 93.6 152.7 229.1#
 141 0.0 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 1.213 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE094421.D
 Acq: 16 Oct 2017 17:40

Tgt Ion: 172 Resp: 15314
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.9 44.9
 170 23.4 21.8 32.8





#16

Acenaphthylene

Concen: 0.752 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

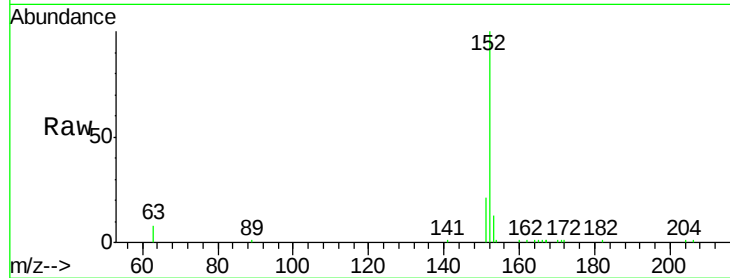
Tgt Ion:152 Resp: 14399

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

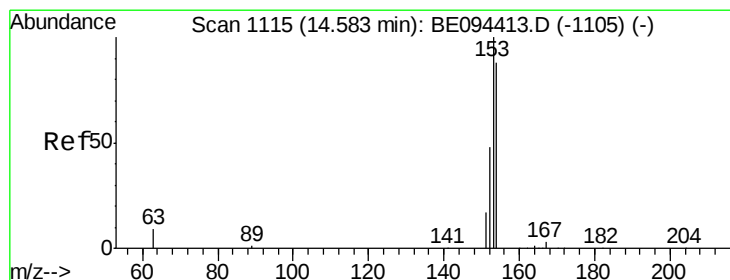
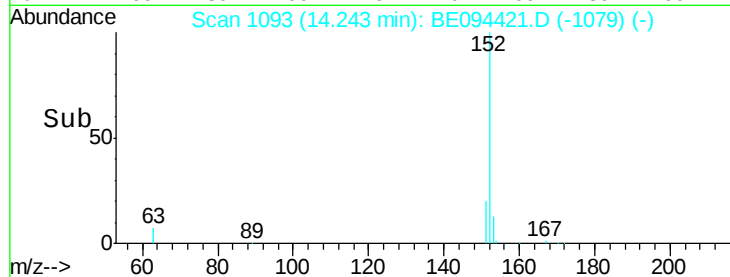
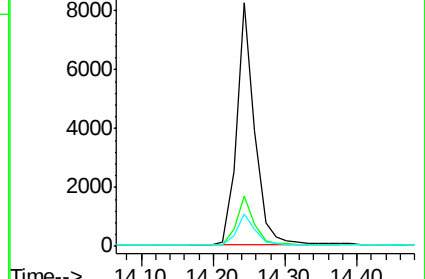
153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.755 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

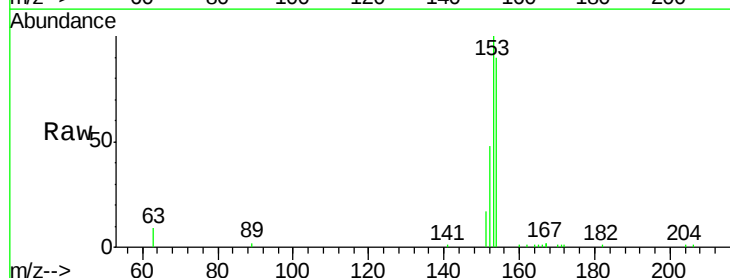
Tgt Ion:154 Resp: 9038

Ion Ratio Lower Upper

154 100

153 112.1 89.2 133.8

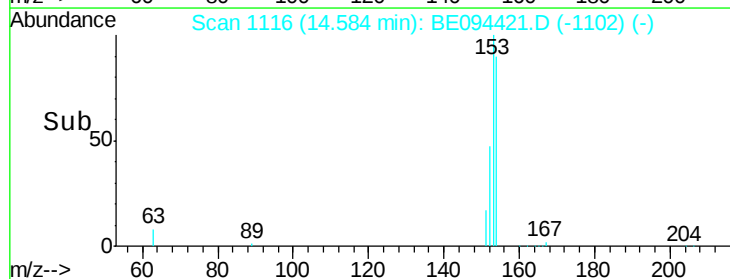
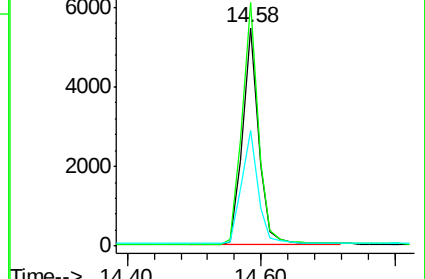
152 54.1 42.0 63.0

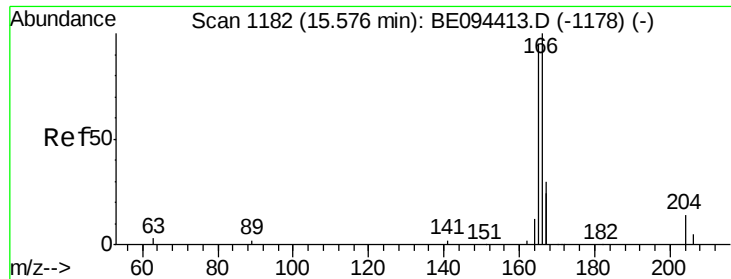


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 1.074 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

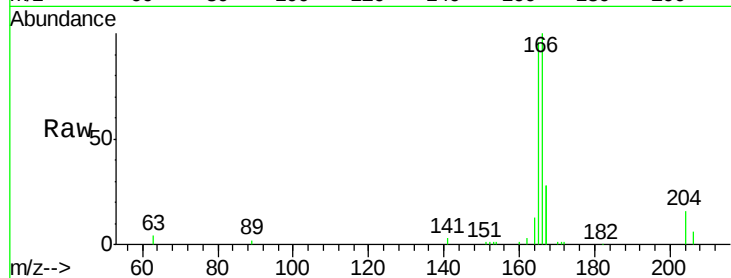
Tgt Ion:166 Resp: 17452

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

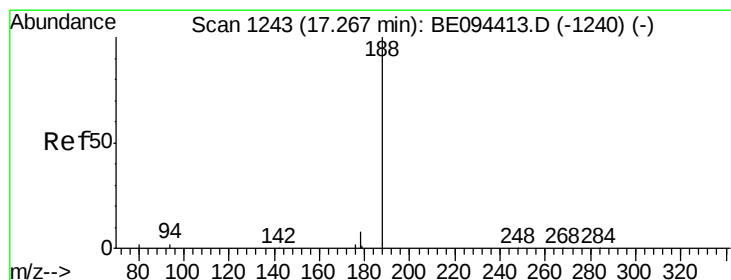
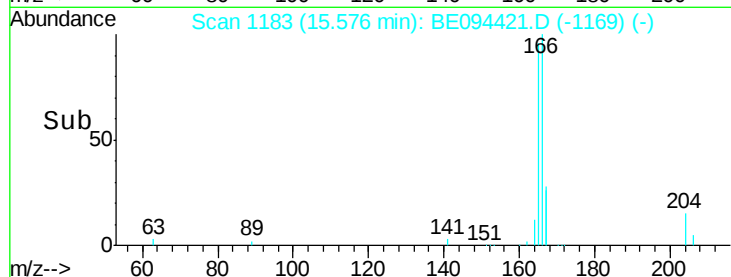
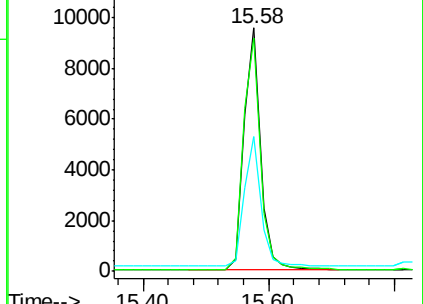
167 53.3 42.4 63.6



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: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

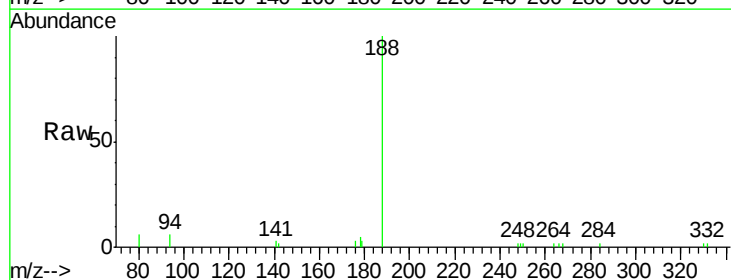
Tgt Ion:188 Resp: 7367

Ion Ratio Lower Upper

188 100

94 6.0 3.9 5.9#

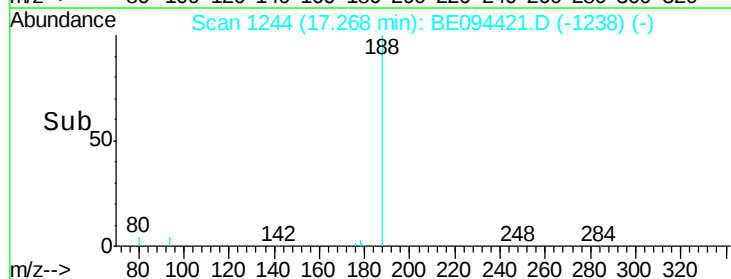
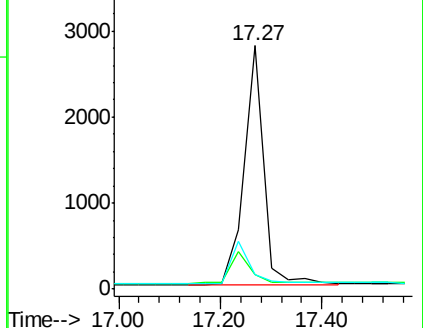
80 5.9 3.6 5.4#

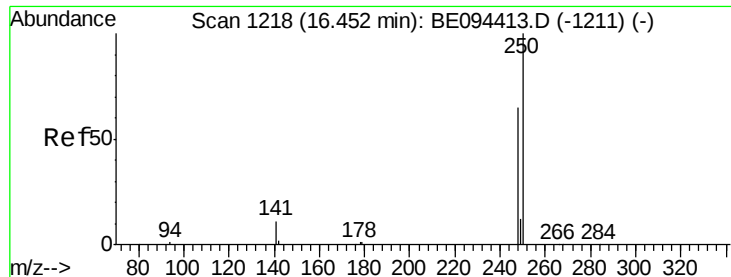


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

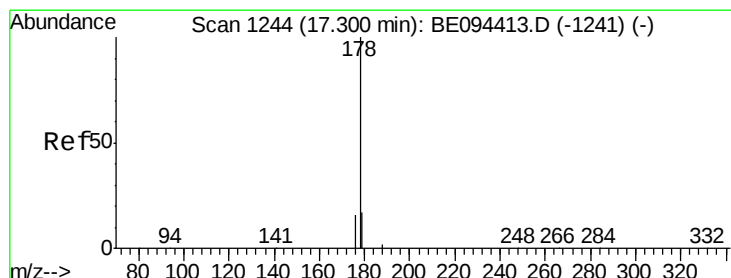
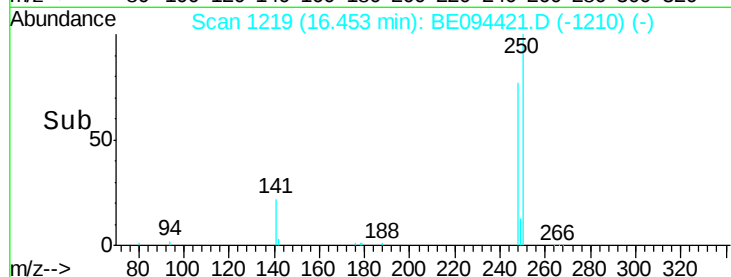
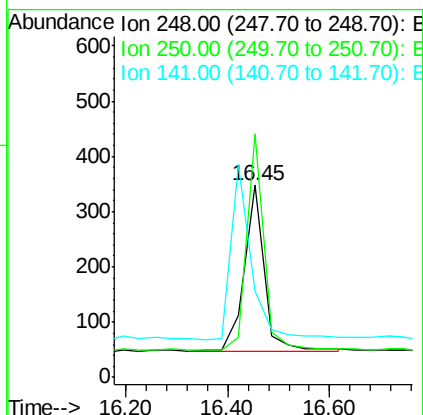
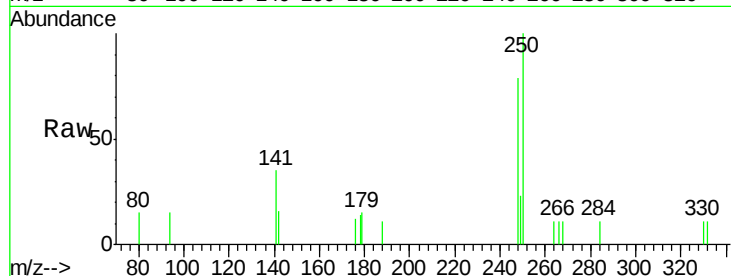




#20
4-Bromophenyl-phenylether
Concen: 0.269 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE094421.D
Acq: 16 Oct 2017 17:40

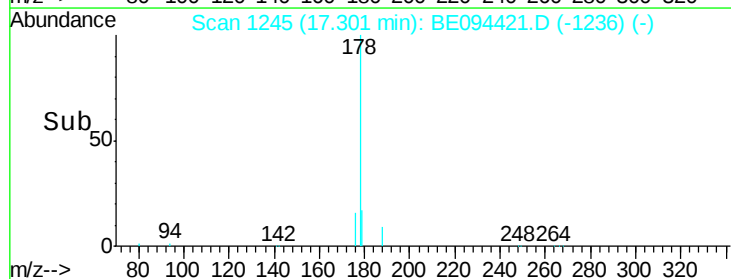
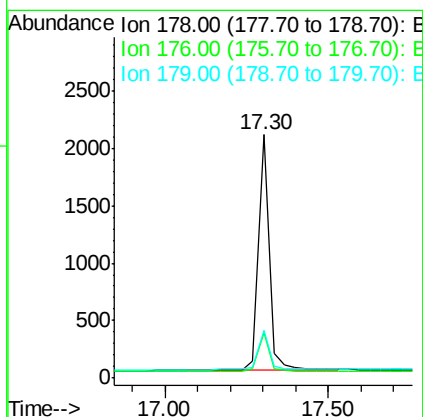
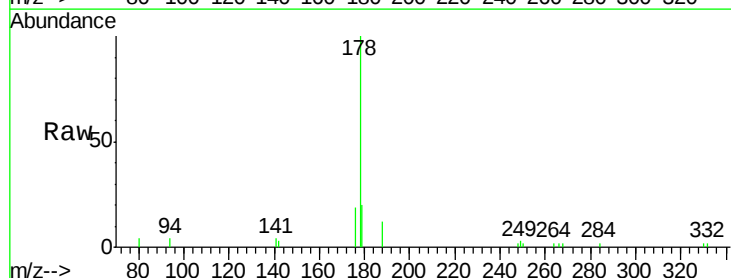
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

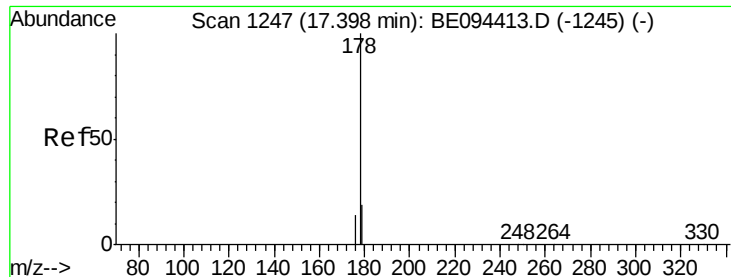
Tgt Ion:248 Resp: 812
Ion Ratio Lower Upper
248 100
250 126.7 62.7 94.1#
141 44.8 48.2 72.2#



#23
Phenanthrene
Concen: 0.248 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094421.D
Acq: 16 Oct 2017 17:40

Tgt Ion:178 Resp: 4680
Ion Ratio Lower Upper
178 100
176 16.7 15.1 22.7
179 17.8 11.8 17.6#





#24

Anthracene

Concen: 0.236 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

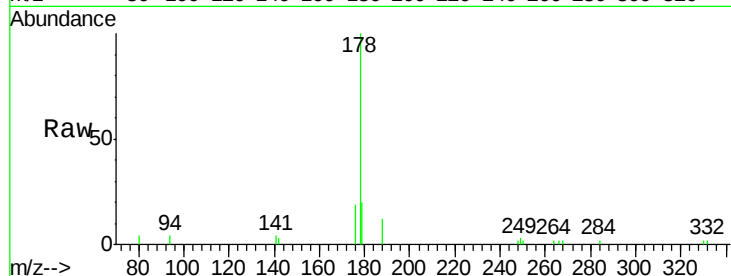
Tgt Ion:178 Resp: 4676

Ion Ratio Lower Upper

178 100

176 16.7 12.8 19.2

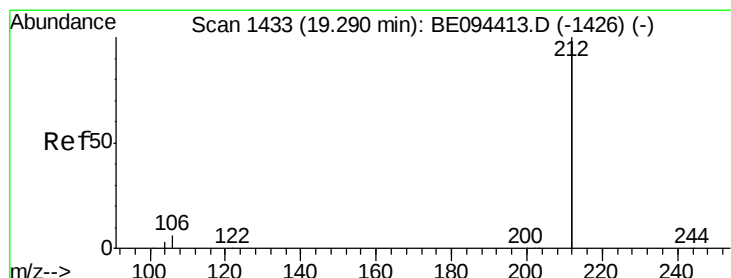
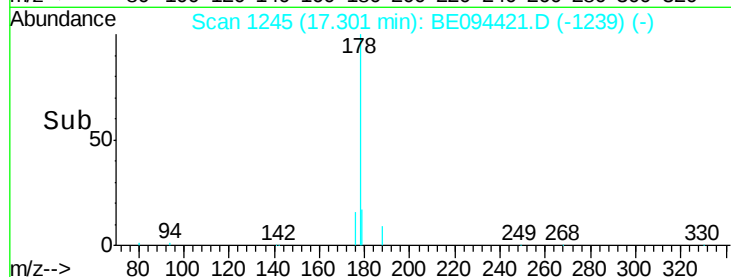
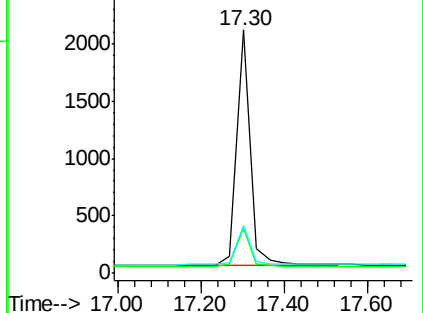
179 16.7 13.0 19.6



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: 0.001 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

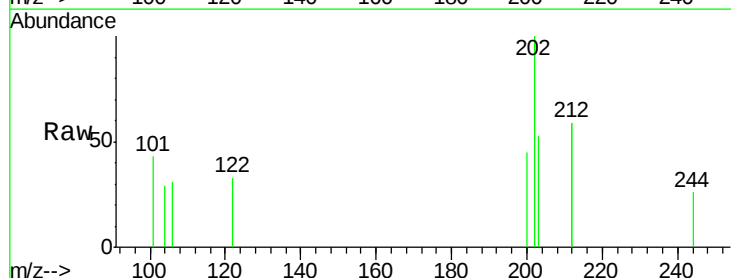
Tgt Ion:212 Resp: 45

Ion Ratio Lower Upper

212 100

106 0.0 2.8 4.2#

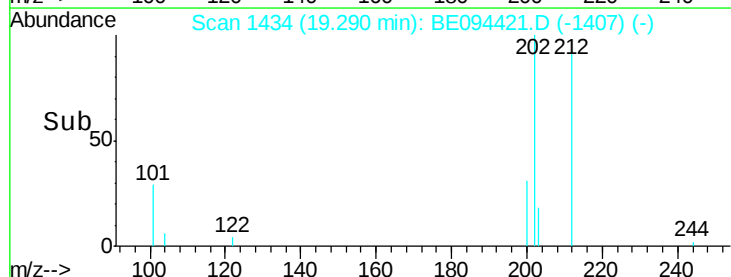
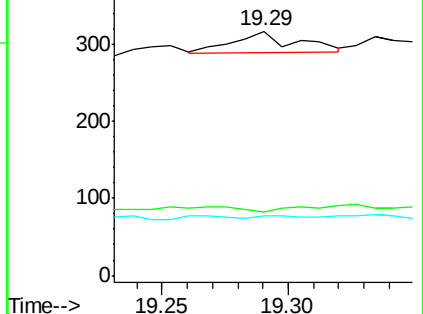
104 11.1 1.6 2.4#

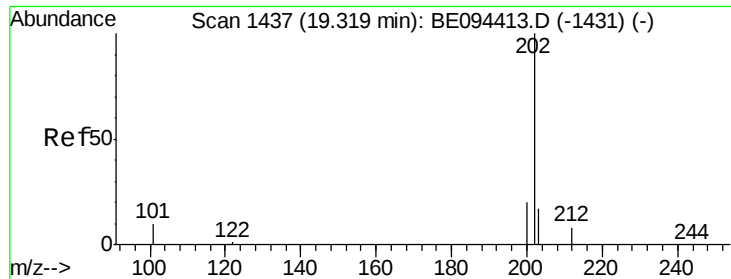


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

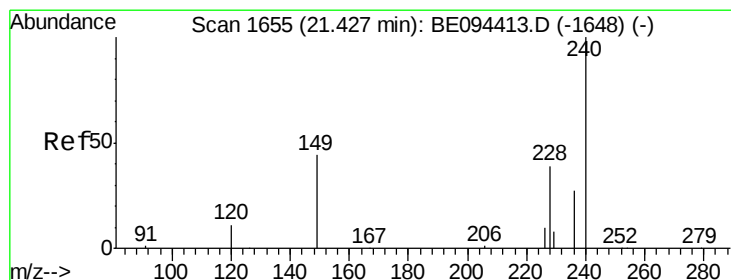
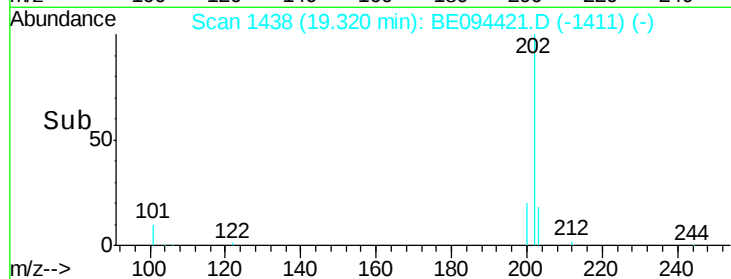
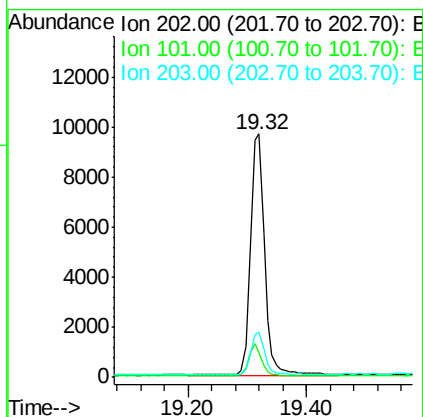
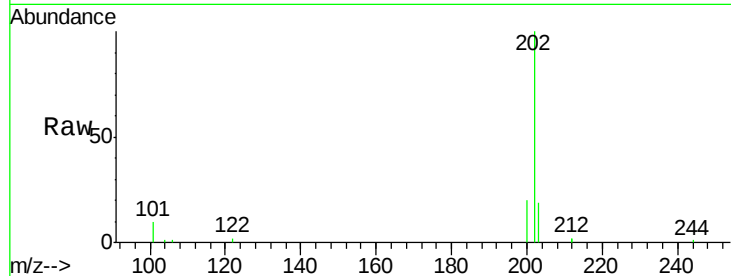




#26
 Fluoranthene
 Concen: 0.746 ng
 RT: 19.32 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BE094421.D
 Acq: 16 Oct 2017 17:40

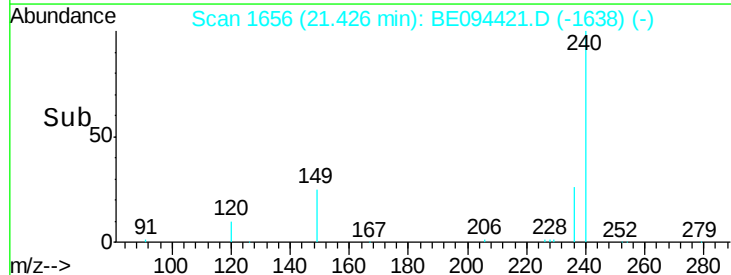
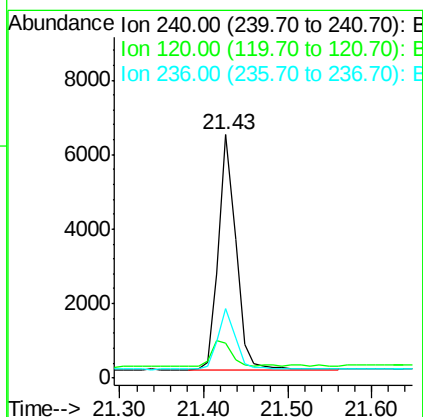
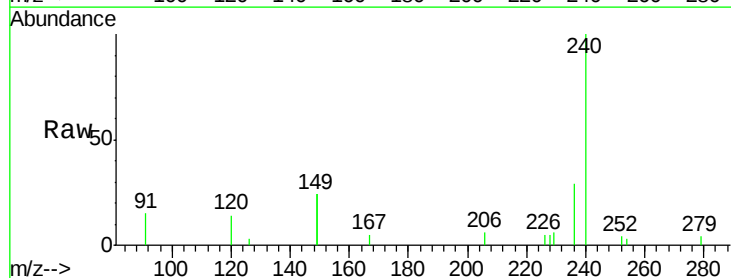
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

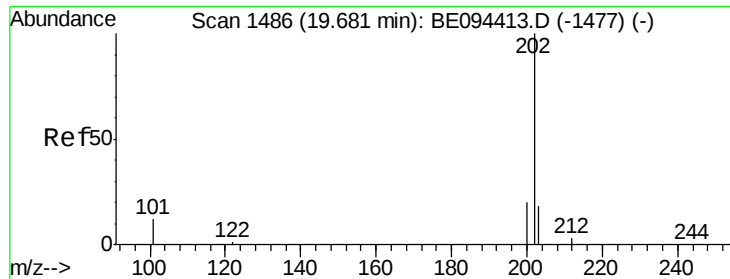
Tgt Ion: 202 Resp: 15756
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.8 14.8
 203 17.5 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BE094421.D
 Acq: 16 Oct 2017 17:40

Tgt Ion: 240 Resp: 9184
 Ion Ratio Lower Upper
 240 100
 120 14.2 5.5 8.3#
 236 28.8 20.7 31.1

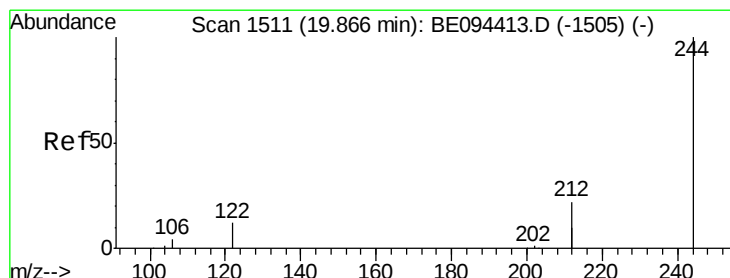
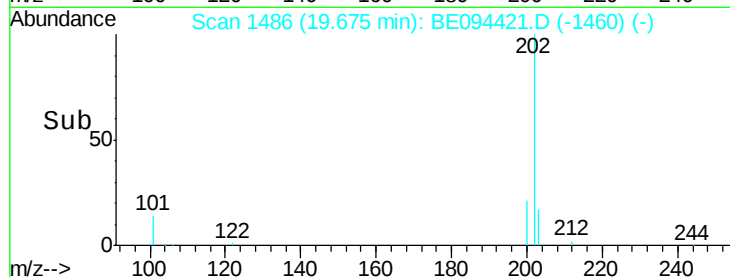
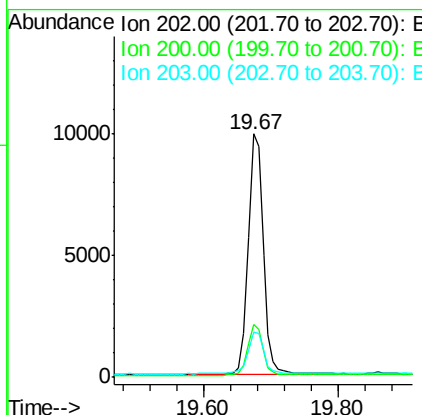
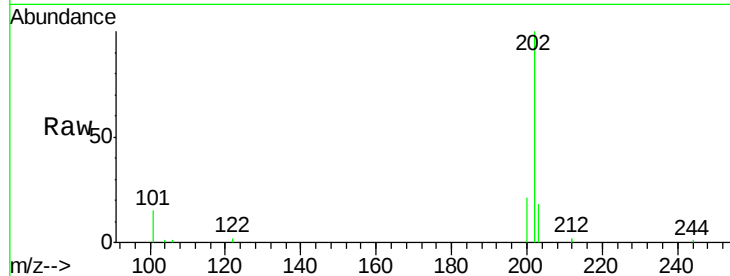




#28
 Pyrene
 Concen: 0.534 ng
 RT: 19.67 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: BE094421.D
 Acq: 16 Oct 2017 17:40

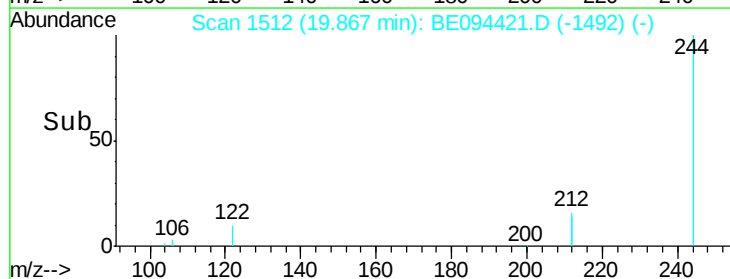
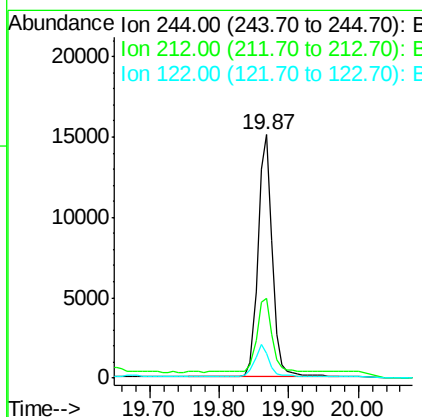
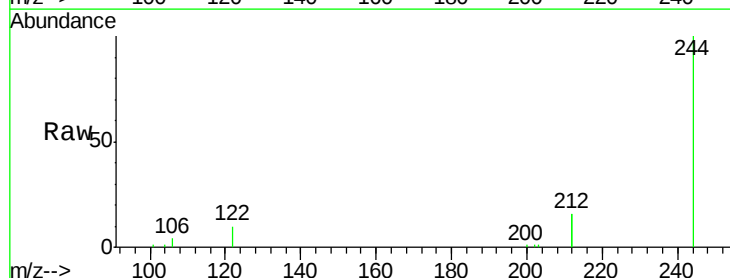
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

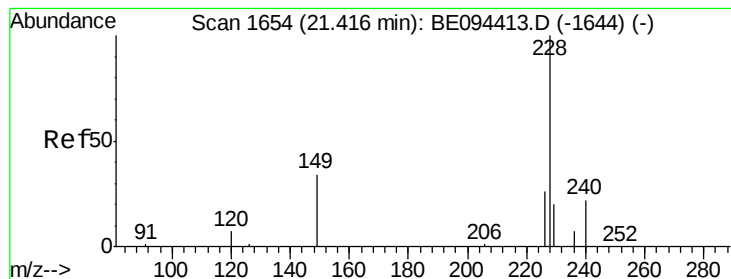
Tgt Ion: 202 Resp: 15533
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 18.8 13.8 20.8



#29
 Terphenyl-d14
 Concen: 1.262 ng
 RT: 19.87 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: BE094421.D
 Acq: 16 Oct 2017 17:40

Tgt Ion: 244 Resp: 21138
 Ion Ratio Lower Upper
 244 100
 212 32.7 25.4 38.0
 122 10.2 8.1 12.1





#30

Benzo(a)anthracene

Concen: 0.714 ng

RT: 21.46 min Scan# 1659

Delta R.T. 0.04 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

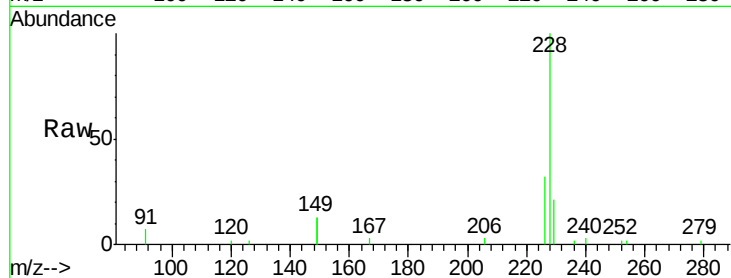
Tgt Ion:228 Resp: 22070

Ion Ratio Lower Upper

228 100

226 31.9 40.0 60.0#

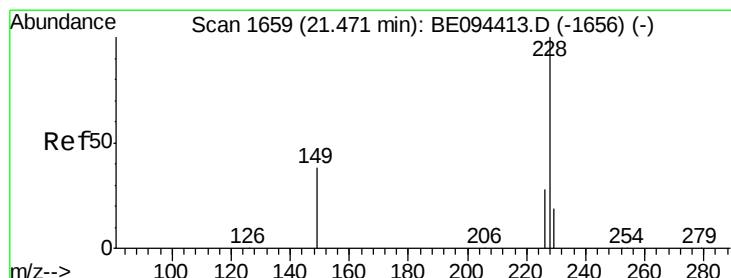
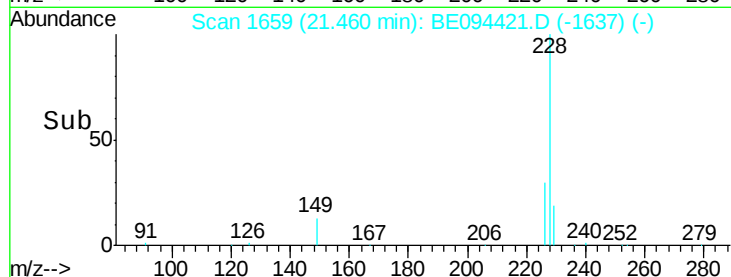
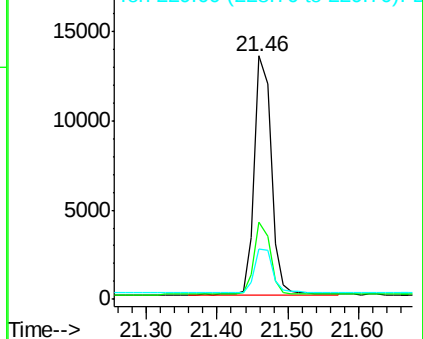
229 20.8 40.0 60.0#



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



#31

Chrysene

Concen: 0.742 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

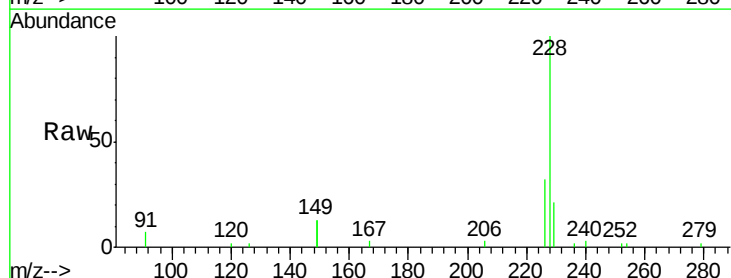
Tgt Ion:228 Resp: 22145

Ion Ratio Lower Upper

228 100

226 31.9 40.0 60.0#

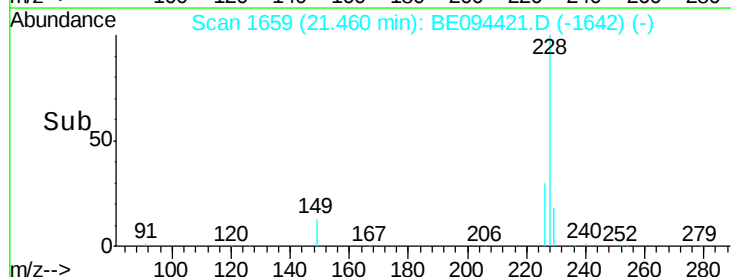
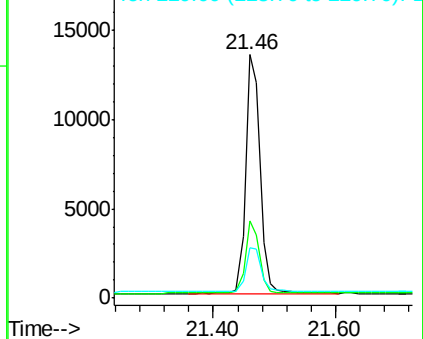
229 20.8 40.0 60.0#

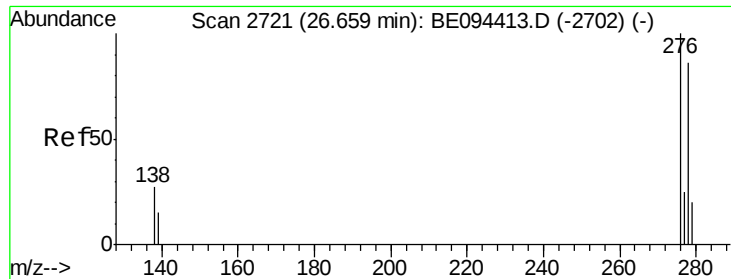


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.945 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

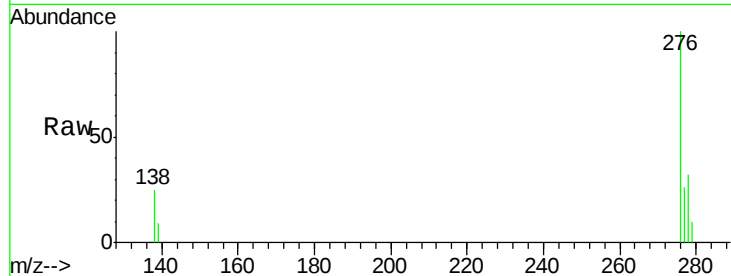
Tgt Ion:276 Resp: 30175

Ion Ratio Lower Upper

276 100

138 23.2 22.5 33.7

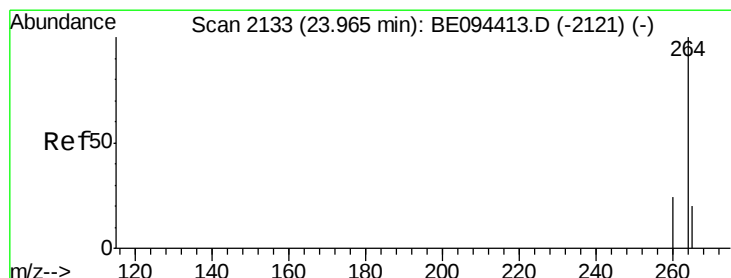
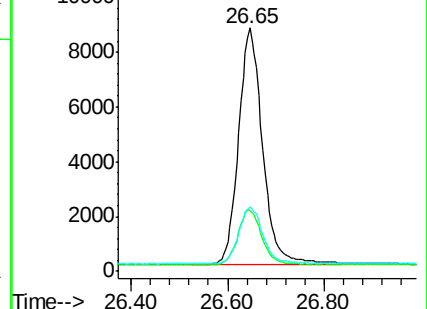
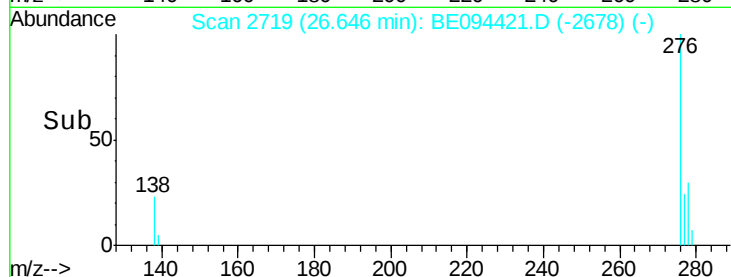
277 23.7 19.9 29.9



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# 2132

Delta R.T. -0.01 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

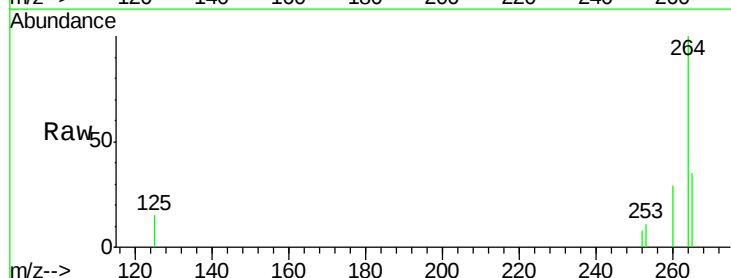
Tgt Ion:264 Resp: 8750

Ion Ratio Lower Upper

264 100

260 29.2 20.5 30.7

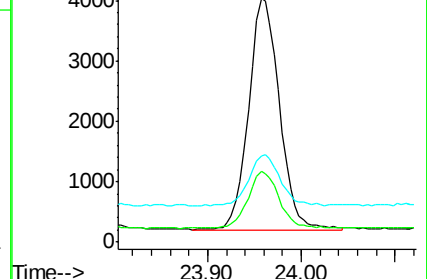
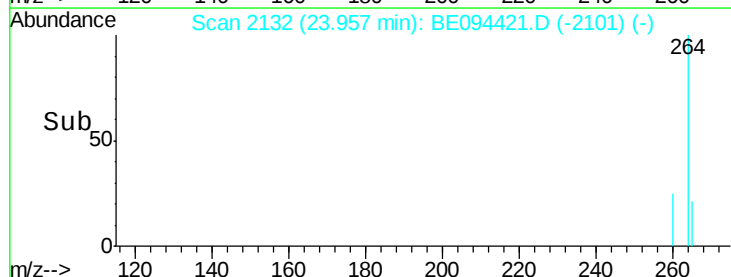
265 35.4 22.8 34.2#

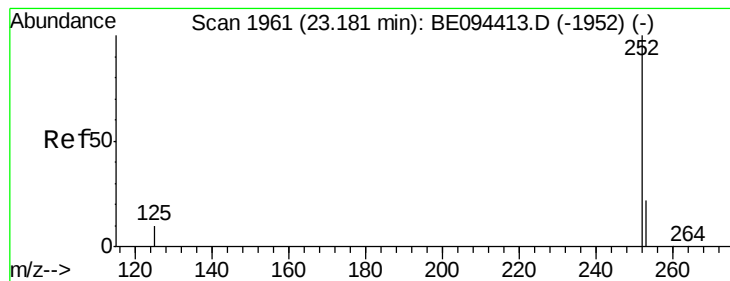


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.344 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

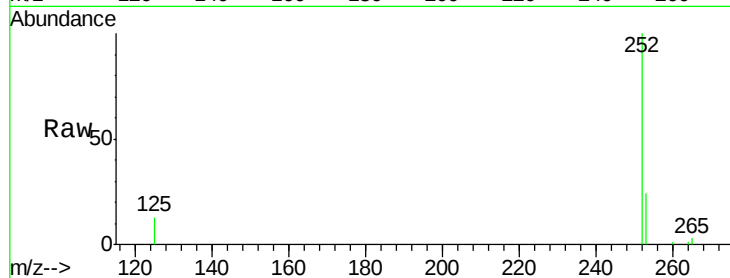
Tgt Ion:252 Resp: 42439

Ion Ratio Lower Upper

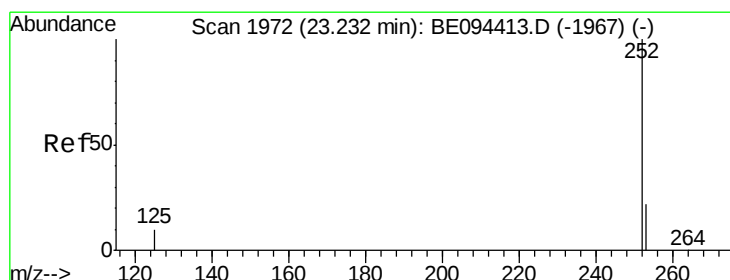
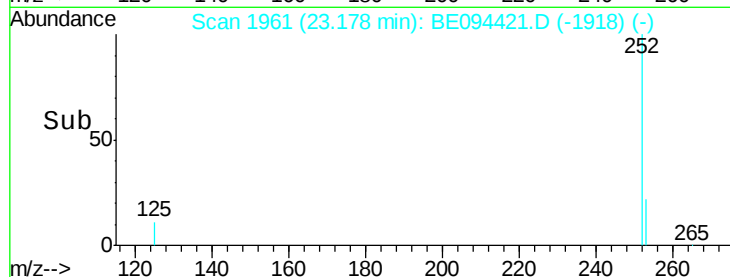
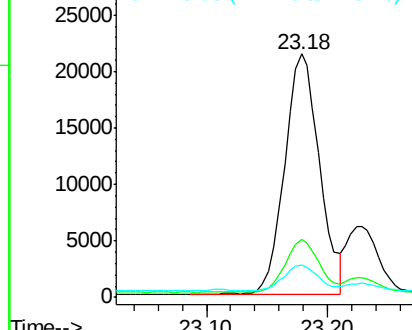
252 100

253 23.9 48.0 72.0#

125 13.2 56.0 84.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.367 ng

RT: 23.22 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

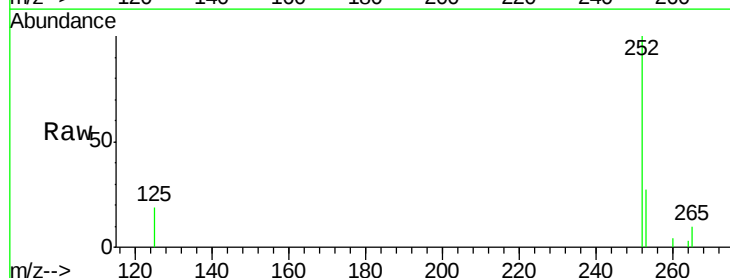
Tgt Ion:252 Resp: 11100

Ion Ratio Lower Upper

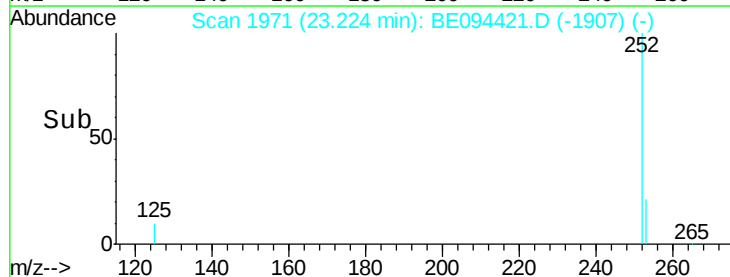
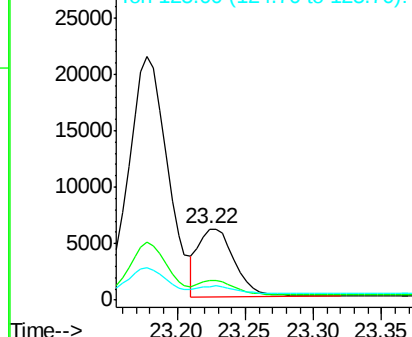
252 100

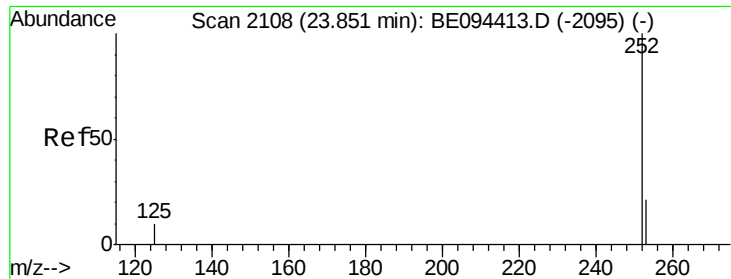
253 27.2 48.0 72.0#

125 19.3 56.0 84.0#



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





#37

Benzo(a)pyrene

Concen: 0.286 ng

RT: 23.85 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

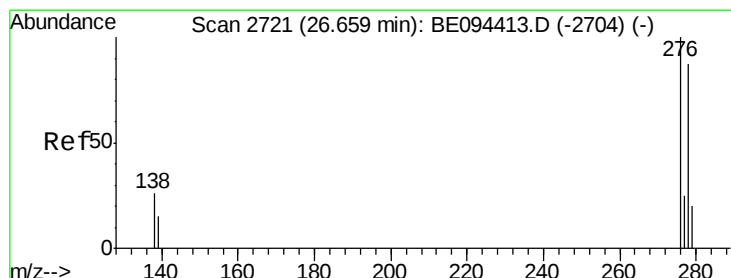
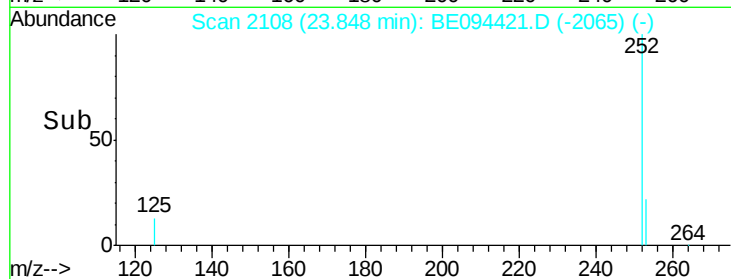
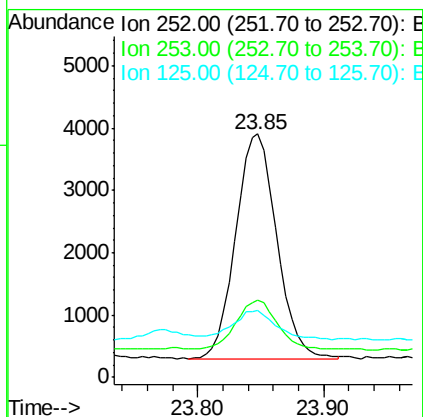
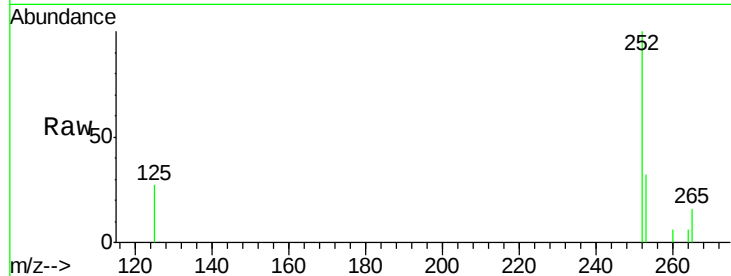
Tgt Ion: 252 Resp: 8158

Ion Ratio Lower Upper

252 100

253 31.5 52.0 78.0#

125 27.5 68.0 102.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.353 ng

RT: 26.65 min Scan# 2720

Delta R.T. -0.01 min

Lab File: BE094421.D

Acq: 16 Oct 2017 17:40

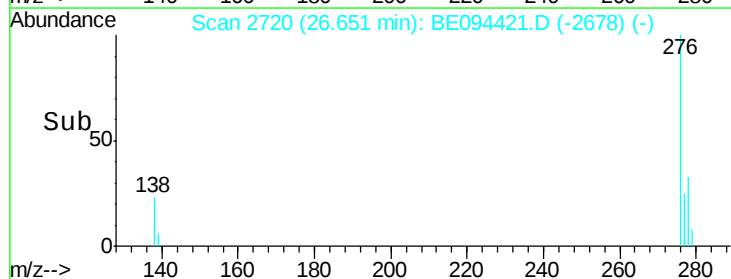
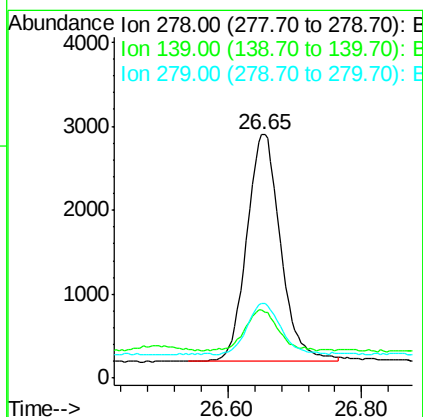
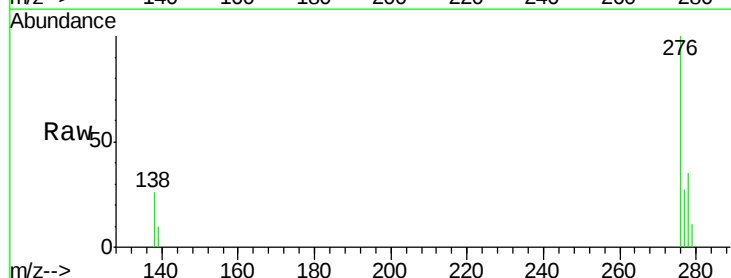
Tgt Ion: 278 Resp: 9532

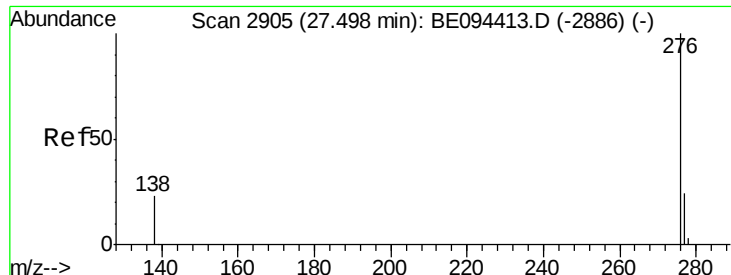
Ion Ratio Lower Upper

278 100

139 28.0 56.0 84.0#

279 30.9 52.0 78.0#





#39

Benzo(g,h,i)perylene

Concen: 1.225 ng

RT: 27.48 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BE094421.D

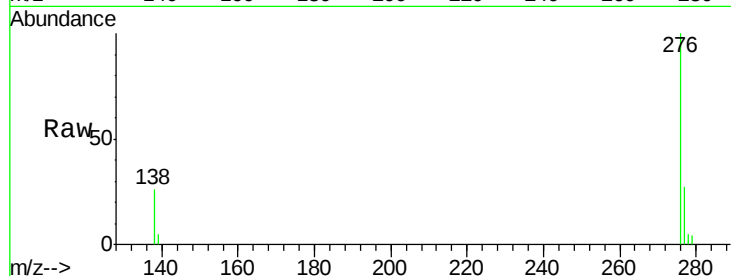
Acq: 16 Oct 2017 17:40

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL



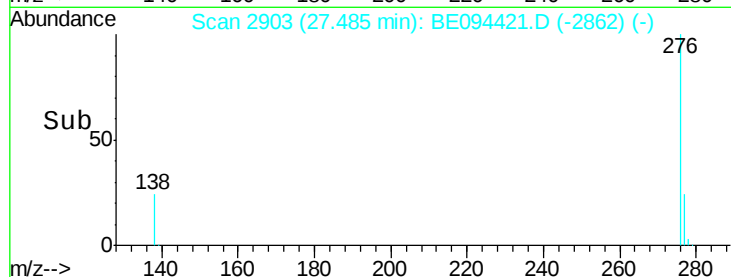
Tgt Ion: 276 Resp: 32753

Ion Ratio Lower Upper

276 100

277 26.7 52.0 78.0#

138 26.4 44.0 66.0#



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

