

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102417\
 Data File : BE094512.D
 Acq On : 24 Oct 2017 10:59
 Operator : SJ/JU
 Sample : I5950-09DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 15:48:22 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1131	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6397	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4004	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10911	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9950	0.40	ng	0.00
34) Perylene-d12	23.95	264	9305	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	63	0.02	ng	0.00
5) Phenol-d6	7.16	99	54	0.01	ng	0.03
8) Nitrobenzene-d5	9.09	82	200	0.04	ng	0.02
11) 2-Methylnaphthalene-d10	12.29	152	422	0.04	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	59	0.05	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	705	0.05	ng	0.00
25) Fluoranthene-d10	19.28	212	4926	-1.00	ng	0.00
29) Terphenyl-d14	19.86	244	1055	0.06	ng	0.00

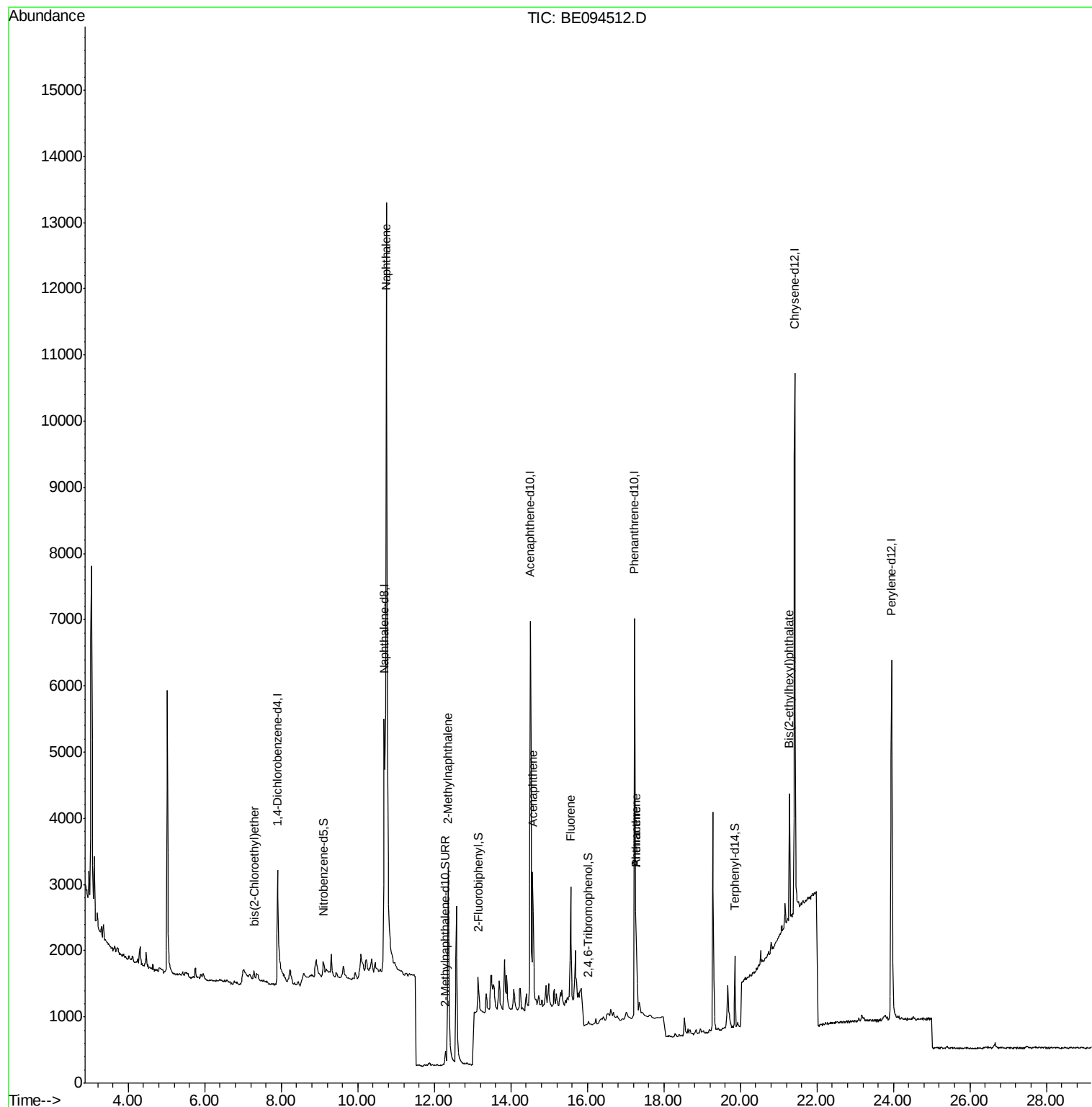
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.29	93	187	0.041	ng	# 1
9) Naphthalene	10.74	128	27470	0.379	ng	100
12) 2-Methylnaphthalene	12.36	142	3395	0.276	ng	99
17) Acenaphthene	14.57	154	1261	0.093	ng	96
18) Fluorene	15.56	166	1140	0.066	ng	# 87
23) Phenanthrene	17.27	178	2779	0.042	ng	# 93
24) Anthracene	17.27	178	2828	0.088	ng	# 94
26) Fluoranthene	19.31	202	735	Below Cal		99
32) Bis(2-ethylhexyl)phthalate	21.28	149	2735	0.034	ng	98

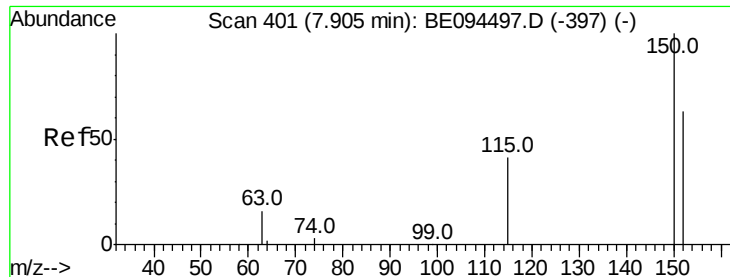
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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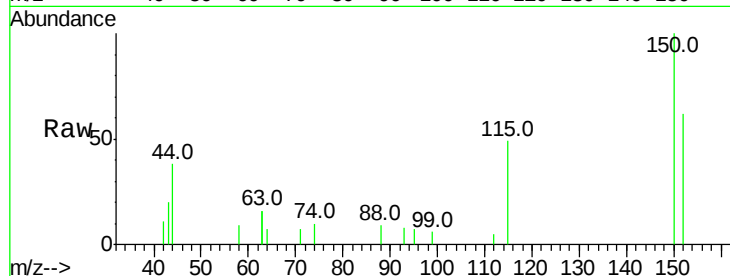


#1

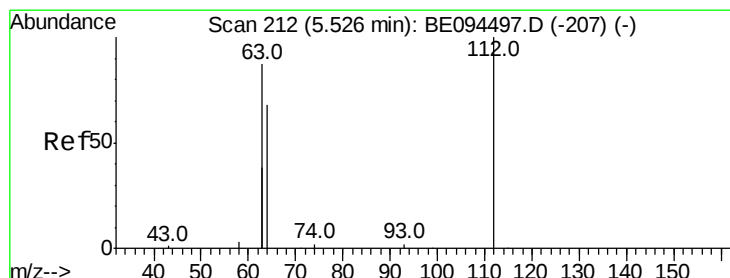
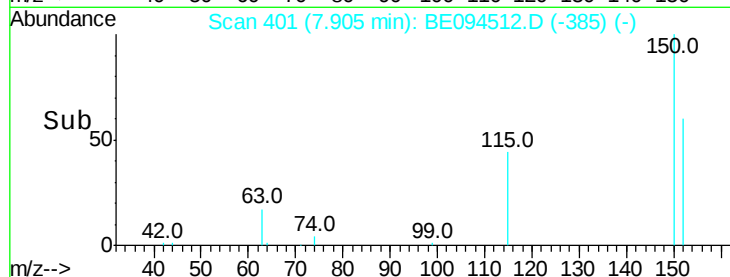
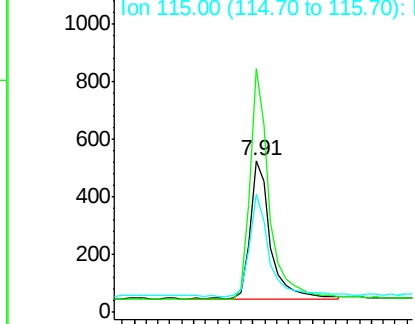
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094512.D
Acq: 24 Oct 2017 10:59

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1131
Ion Ratio Lower Upper
152 100
150 160.2 117.2 175.8
115 78.0 57.0 85.6



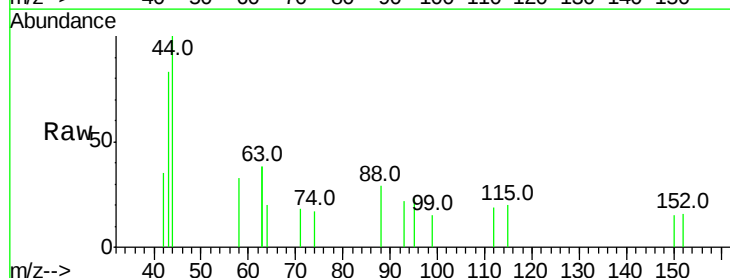
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



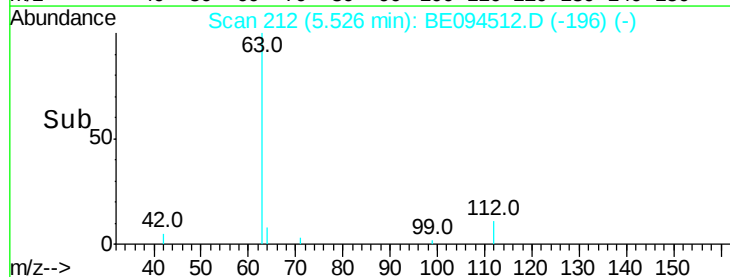
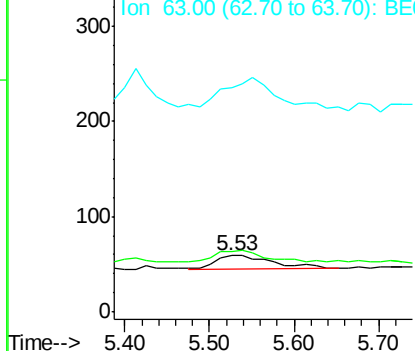
#4

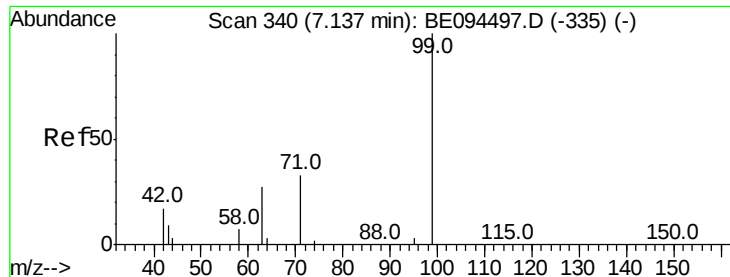
2-Fluorophenol
Concen: 0.016 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE094512.D
Acq: 24 Oct 2017 10:59

Tgt Ion:112 Resp: 63
Ion Ratio Lower Upper
112 100
64 76.2 60.1 90.1
63 0.0 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.009 ng

RT: 7.16 min Scan# 342

Delta R.T. 0.03 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampleId :

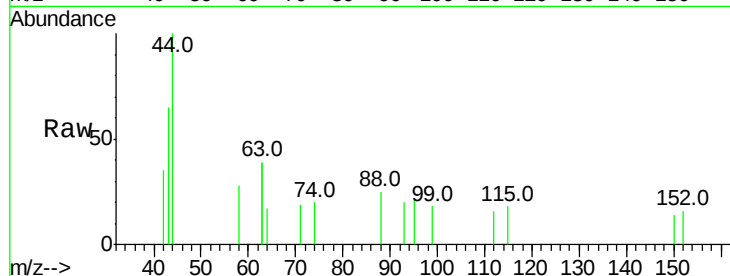
Tot Ion: 99 Resp: 54

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

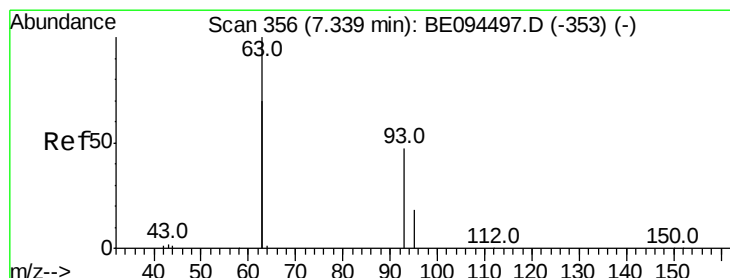
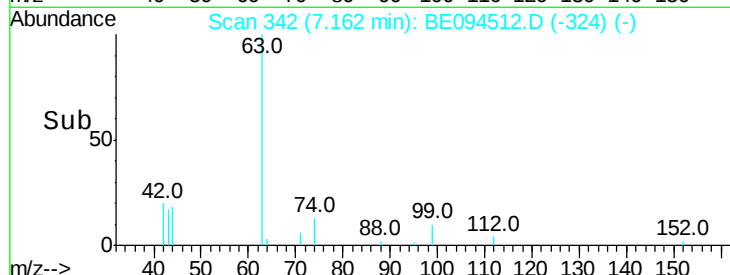
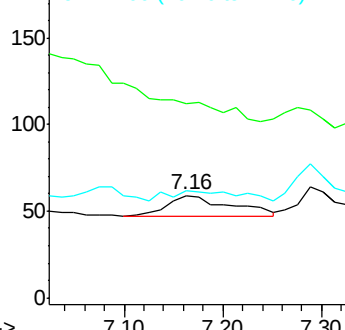
71 51.9 28.4 42.6#



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: 0.041 ng

RT: 7.29 min Scan# 352

Delta R.T. -0.05 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

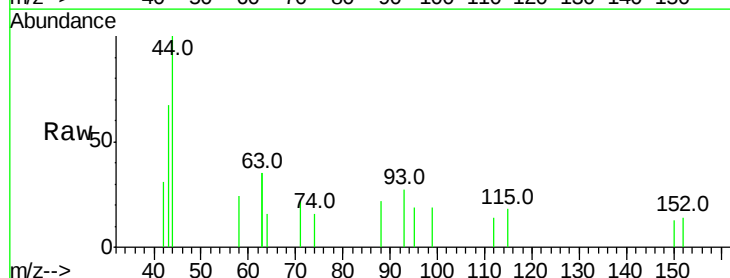
Tgt Ion: 93 Resp: 187

Ion Ratio Lower Upper

93 100

63 27.3 275.3 412.9#

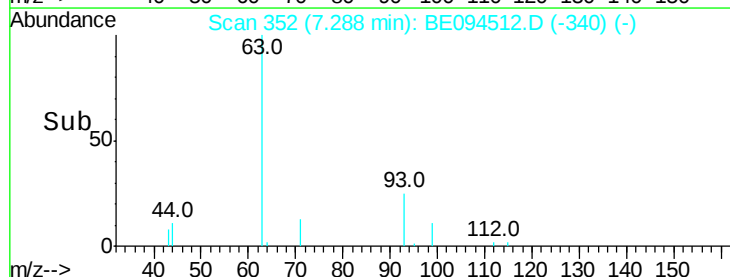
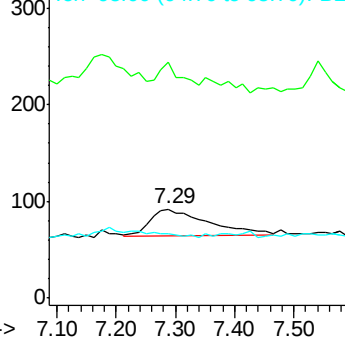
95 0.0 25.2 37.8#

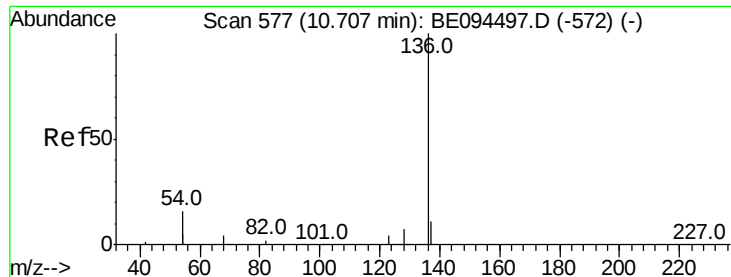


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6397

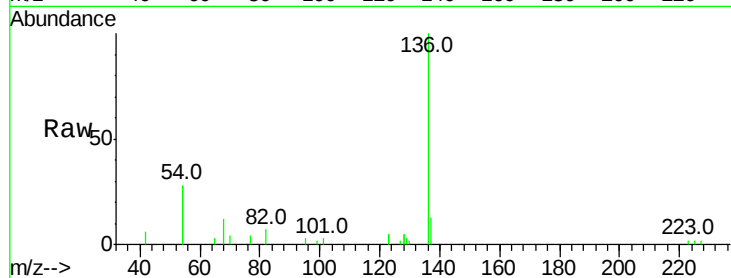
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 56.7 29.1 43.7#

68 11.7 6.2 9.2#

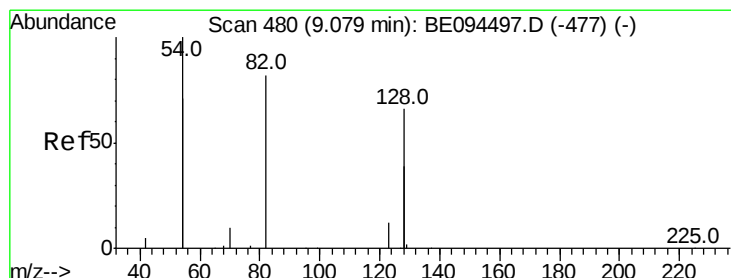
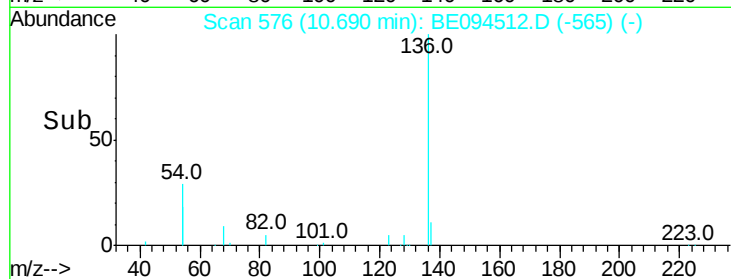
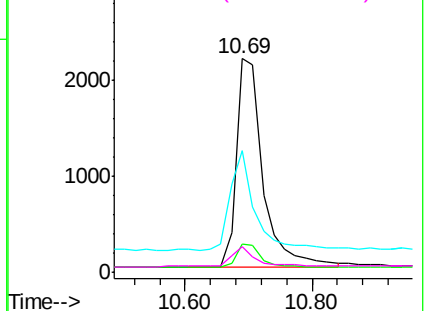


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.039 ng

RT: 9.09 min Scan# 481

Delta R.T. 0.02 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

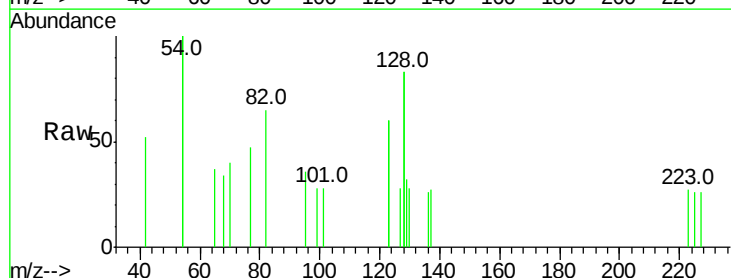
Tgt Ion: 82 Resp: 200

Ion Ratio Lower Upper

82 100

128 255.4 150.0 225.0#

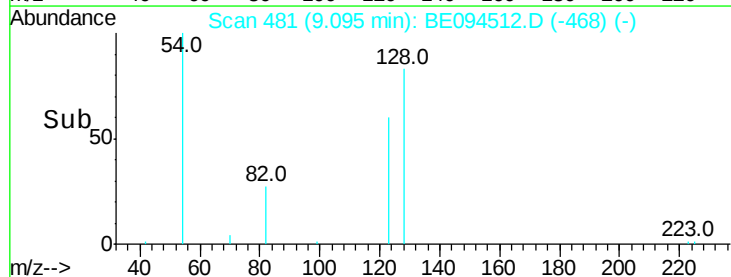
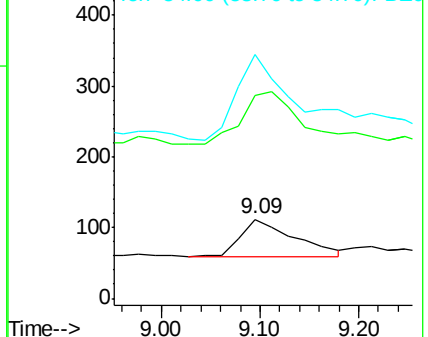
54 307.1 154.2 231.4#

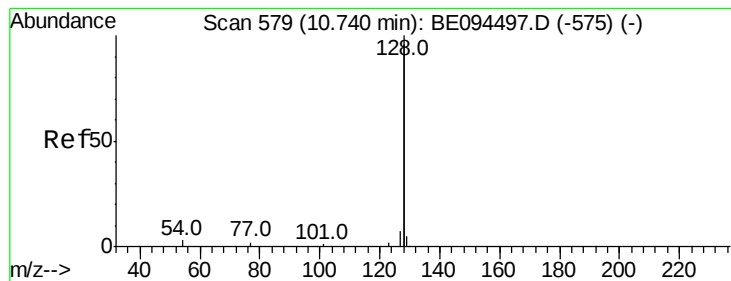


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.379 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampleId :

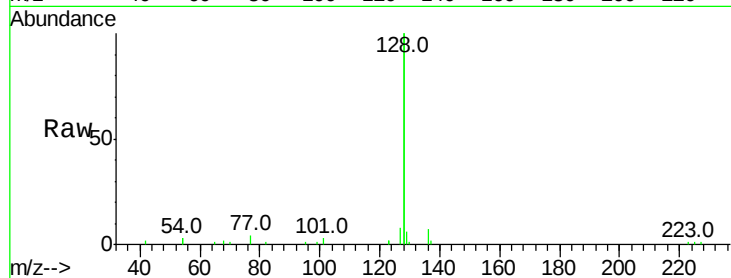
Tot Ion:128 Resp: 27470

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

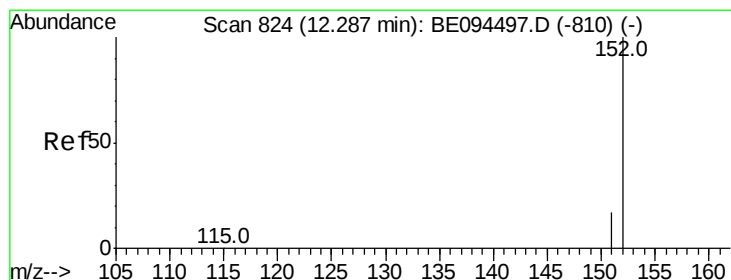
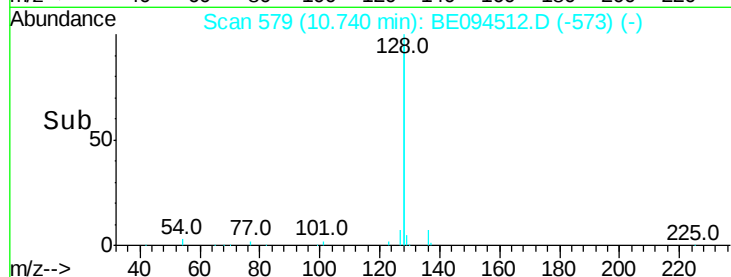
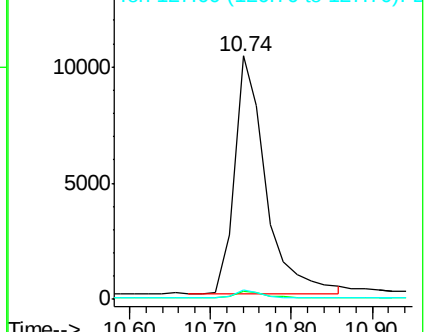
127 3.8 2.8 4.2



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



#11

2-Methylnaphthalene-d10

Concen: 0.041 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE094512.D

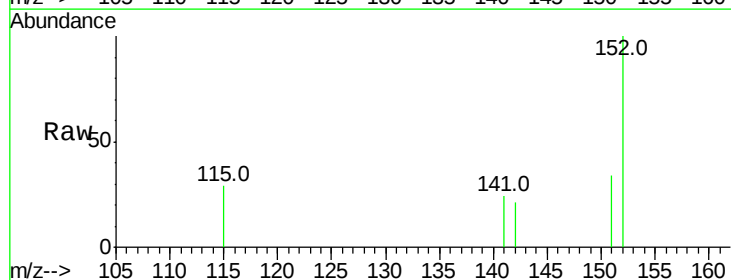
Acq: 24 Oct 2017 10:59

Tgt Ion:152 Resp: 422

Ion Ratio Lower Upper

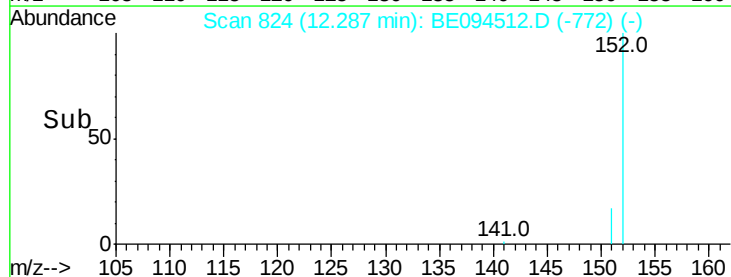
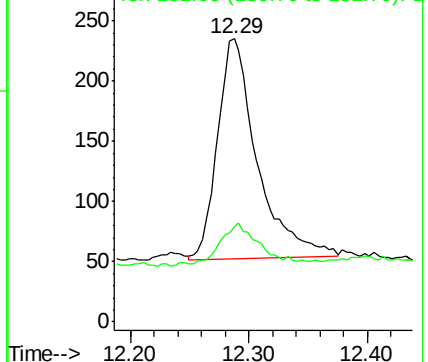
152 100

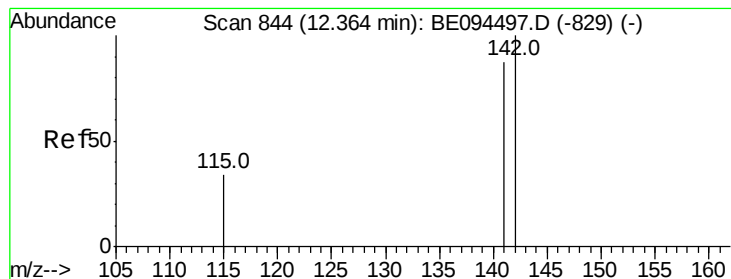
151 18.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.276 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampleId :

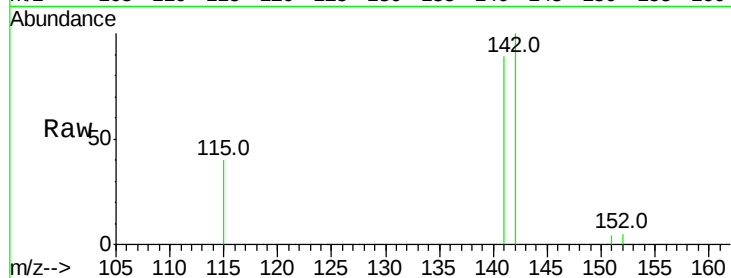
Tot Ion:142 Resp: 3395

Ion Ratio Lower Upper

142 100

141 88.7 70.4 105.6

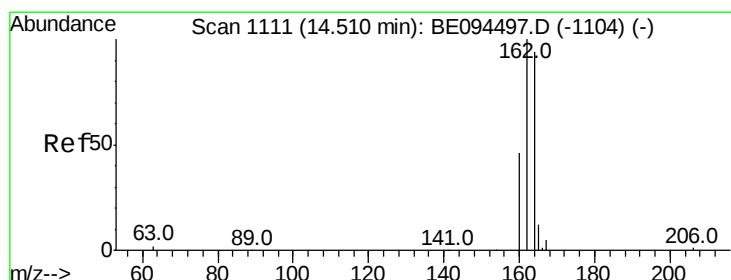
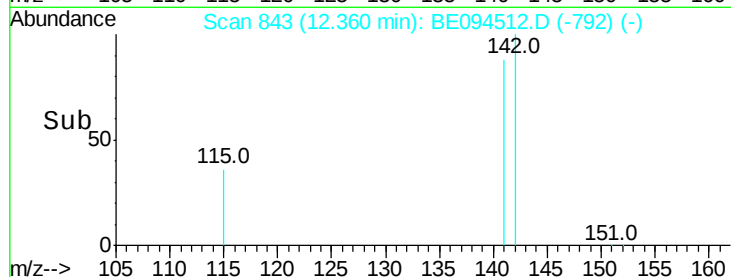
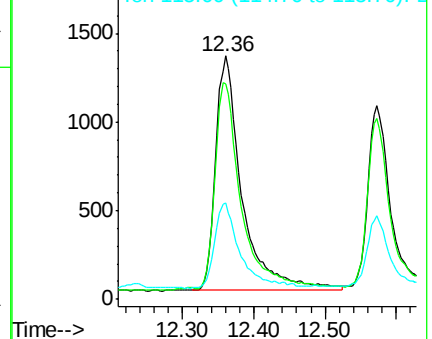
115 39.5 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

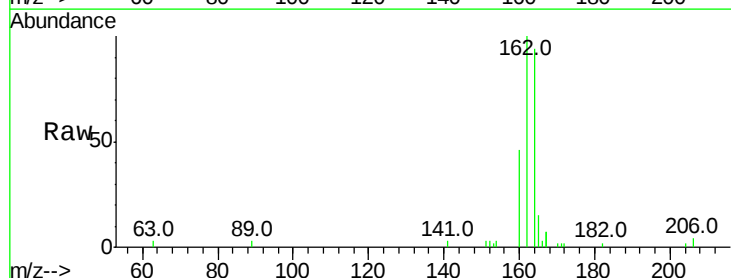
Tgt Ion:164 Resp: 4004

Ion Ratio Lower Upper

164 100

162 106.6 83.1 124.7

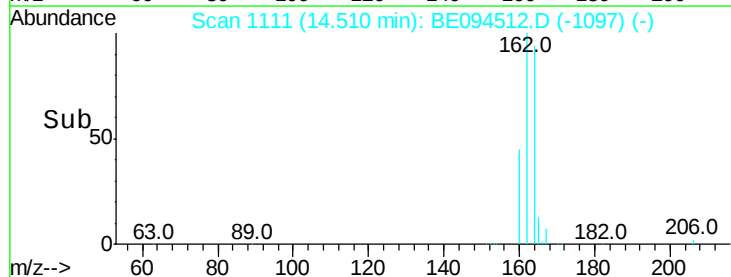
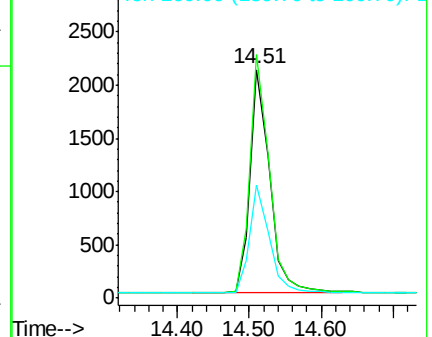
160 49.3 37.1 55.7

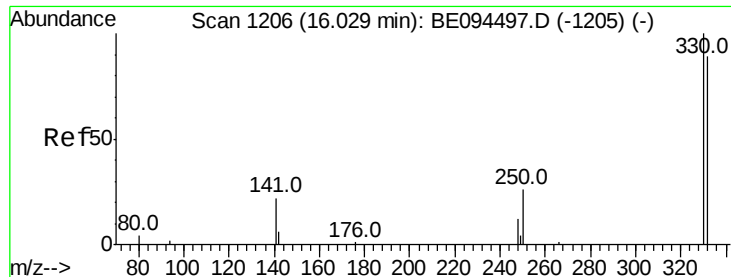


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.053 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

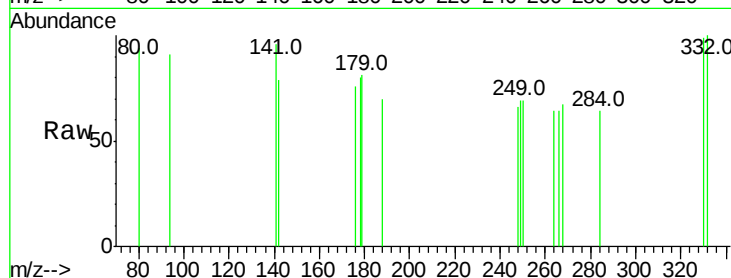
Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampled :



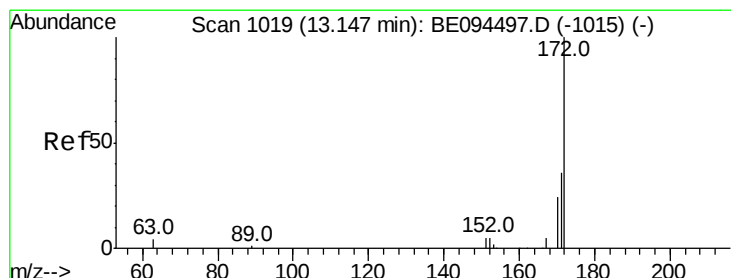
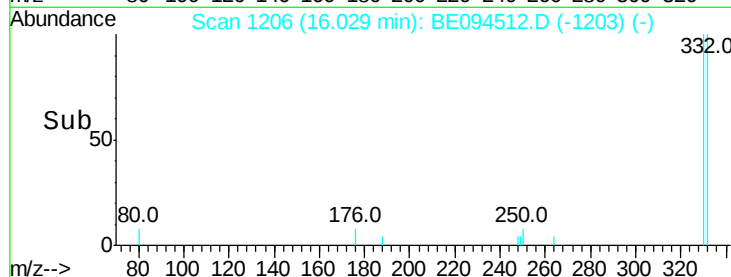
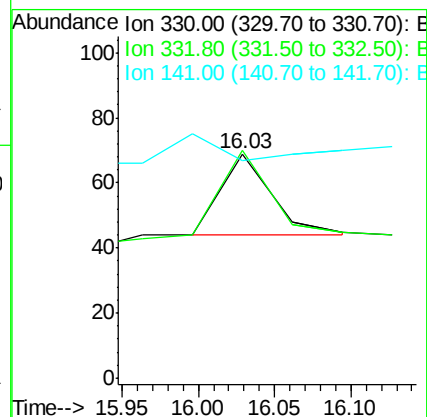
Tot Ion:330 Resp: 59

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

141 0.0 33.7 50.5#



#15

2-Fluorobiphenyl

Concen: 0.050 ng

RT: 13.15 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

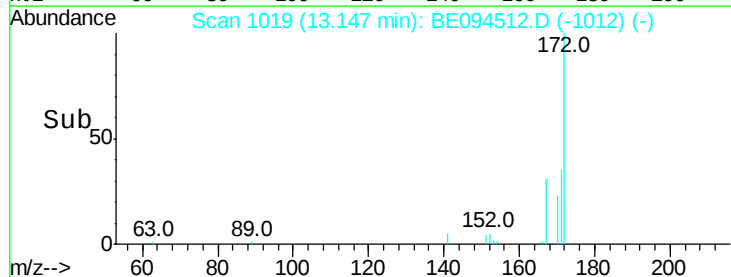
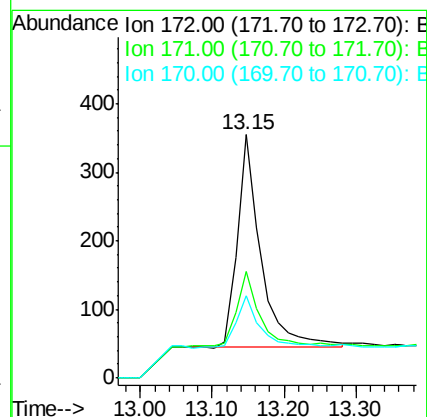
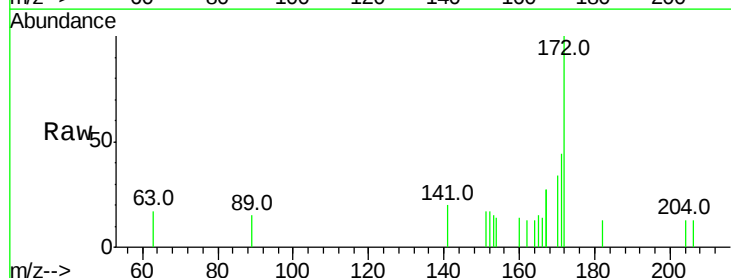
Tgt Ion:172 Resp: 705

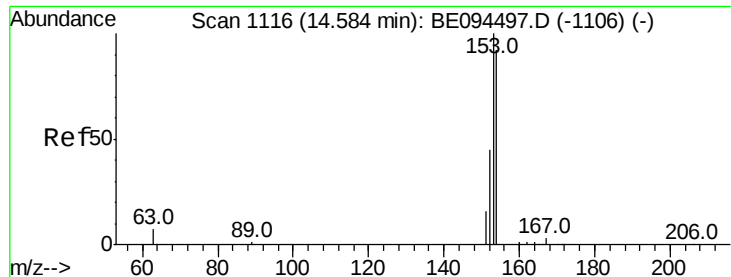
Ion Ratio Lower Upper

172 100

171 43.7 29.9 44.9

170 33.5 21.8 32.8#





#17

Acenaphthene

Concen: 0.093 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampled :

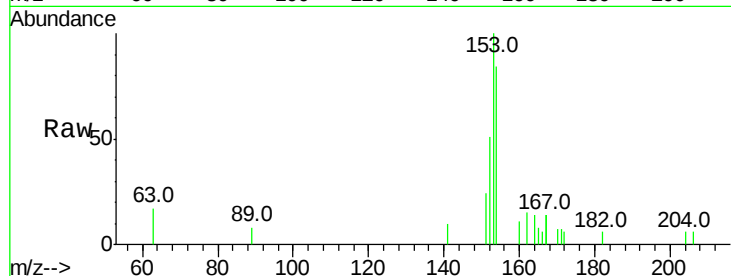
Tot Ion:154 Resp: 1261

Ion Ratio Lower Upper

154 100

153 117.1 89.2 133.8

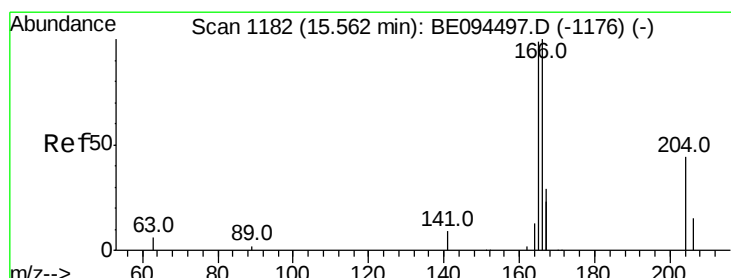
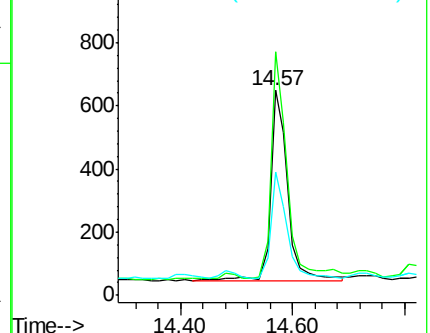
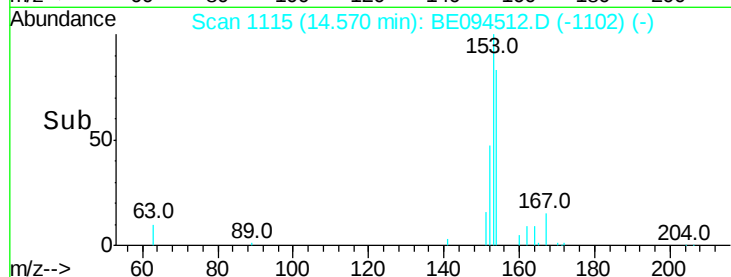
152 53.4 42.0 63.0



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: 0.066 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

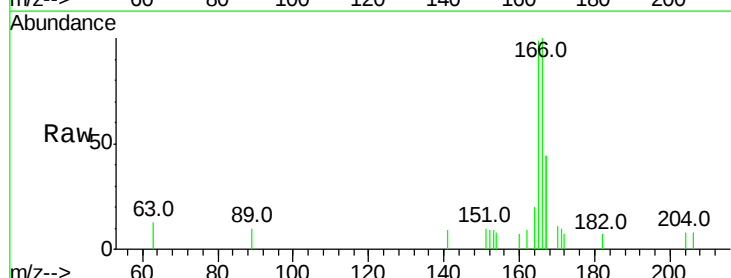
Tgt Ion:166 Resp: 1140

Ion Ratio Lower Upper

166 100

165 91.8 77.8 116.6

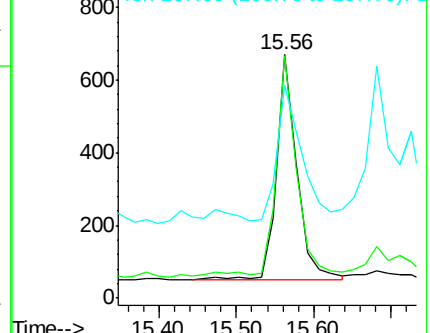
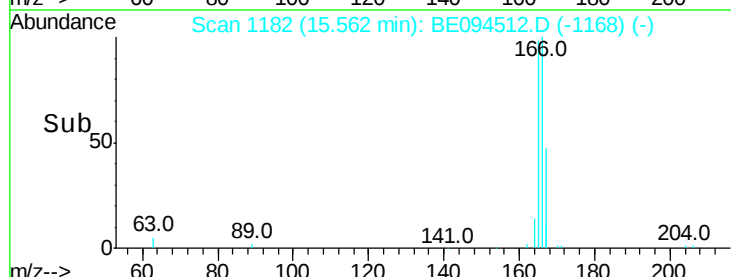
167 72.4 42.4 63.6#

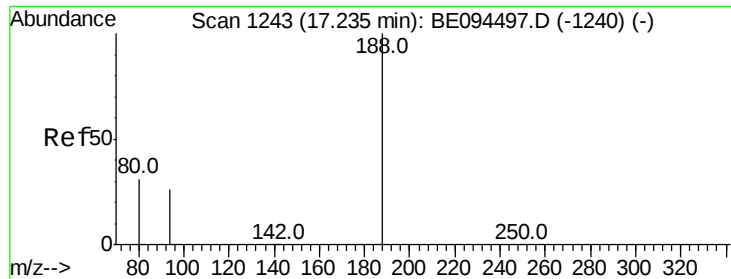


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

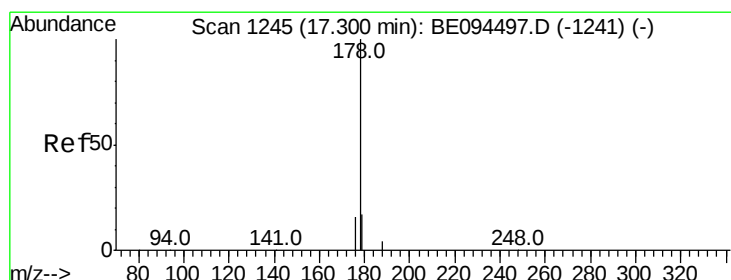
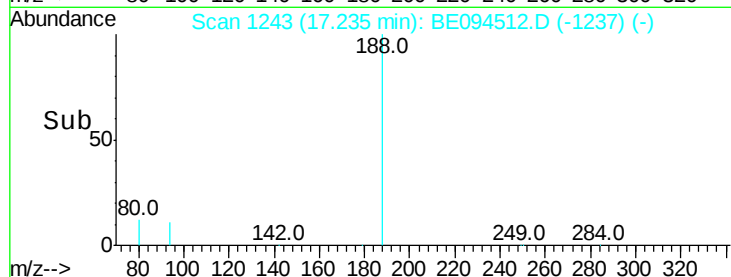
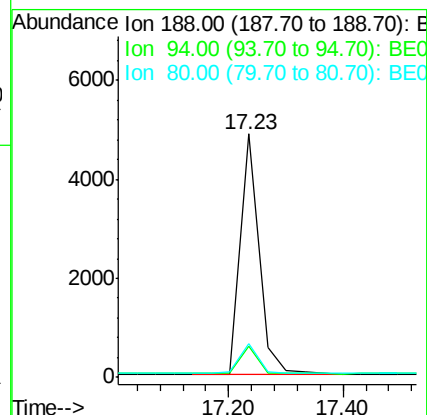
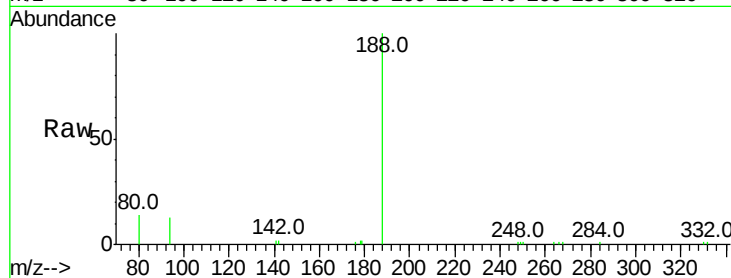




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE094512.D
Acq: 24 Oct 2017 10:59

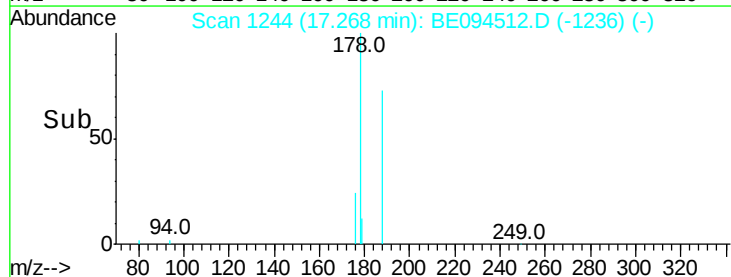
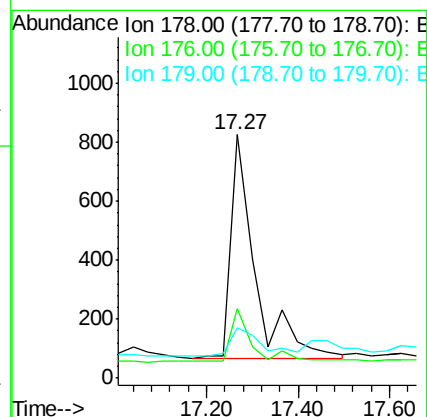
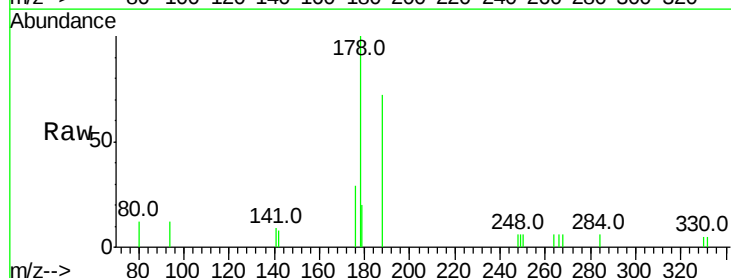
Instrument :
BNA_E
ClientSampleId :

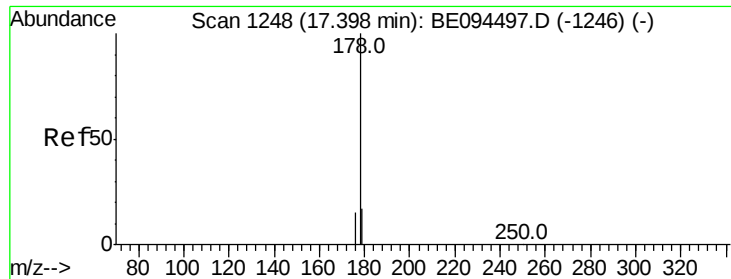
Tot Ion:188 Resp: 10911
Ion Ratio Lower Upper
188 100
94 12.9 3.9 5.9#
80 13.6 3.6 5.4#



#23
Phenanthrene
Concen: 0.042 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BE094512.D
Acq: 24 Oct 2017 10:59

Tgt Ion:178 Resp: 2779
Ion Ratio Lower Upper
178 100
176 22.8 15.1 22.7#
179 16.3 11.8 17.6

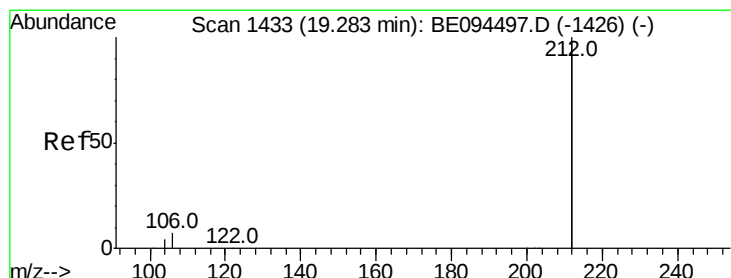
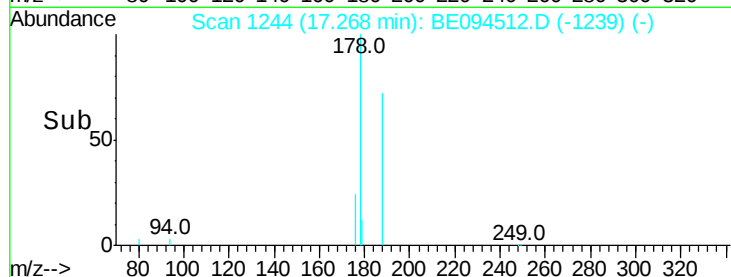
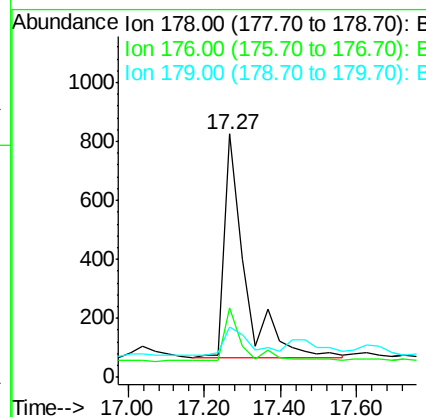
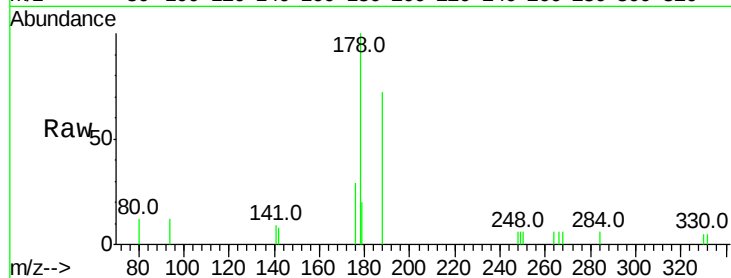




#24
 Anthracene
 Concen: 0.088 ng
 RT: 17.27 min Scan# 1244
 Delta R.T. -0.13 min
 Lab File: BE094512.D
 Acq: 24 Oct 2017 10:59

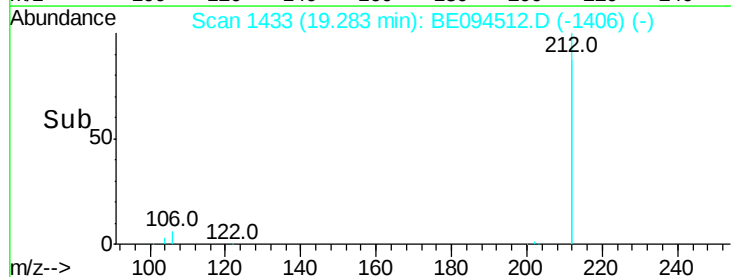
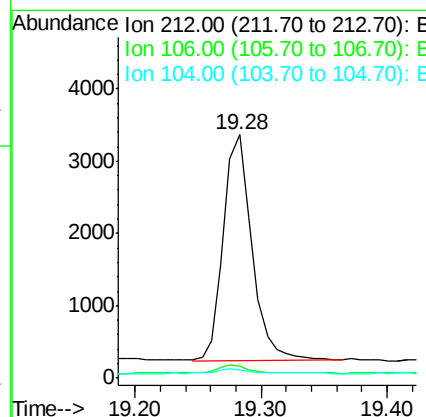
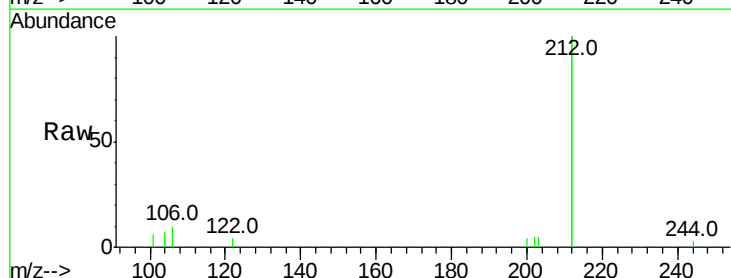
Instrument :
 BNA_E
 ClientSampleId :

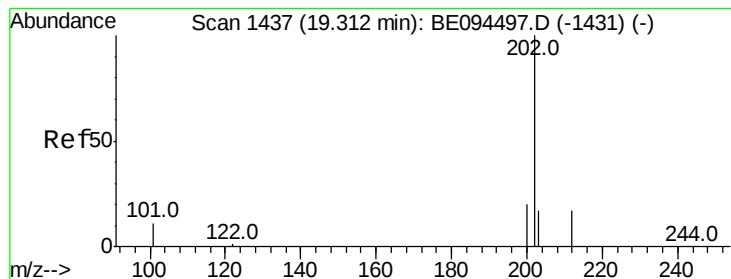
Tot Ion:178 Resp: 2828
 Ion Ratio Lower Upper
 178 100
 176 20.8 12.8 19.2#
 179 16.0 13.0 19.6



#25
 Fluoranthene-d10
 Concen: -1.000 ng
 RT: 19.28 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BE094512.D
 Acq: 24 Oct 2017 10:59

Tgt Ion:212 Resp: 4926
 Ion Ratio Lower Upper
 212 100
 106 4.1 2.8 4.2
 104 2.3 1.6 2.4





#26

Fluoranthene

Concen: Below Cal

RT: 19.31 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampleId :

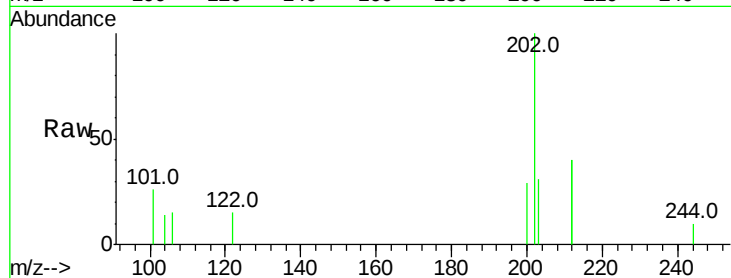
Tot Ion:202 Resp: 735

Ion Ratio Lower Upper

202 100

101 13.3 9.8 14.8

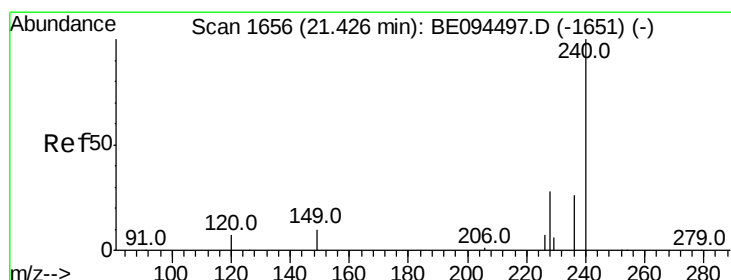
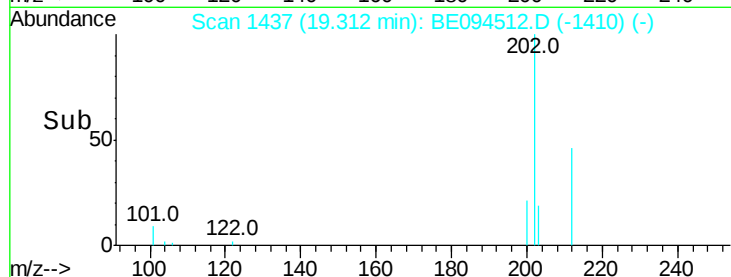
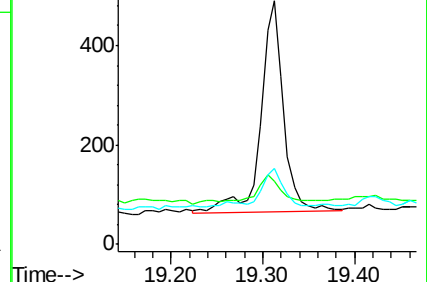
203 17.1 13.7 20.5



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: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

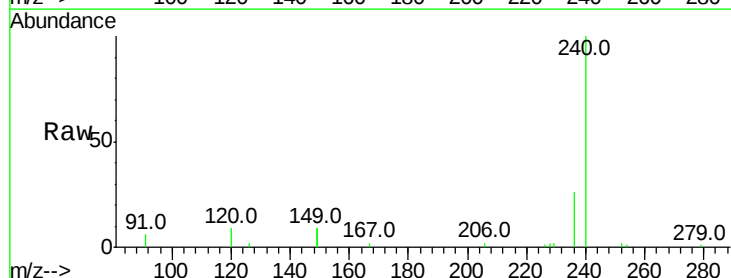
Tgt Ion:240 Resp: 9950

Ion Ratio Lower Upper

240 100

120 9.5 5.5 8.3#

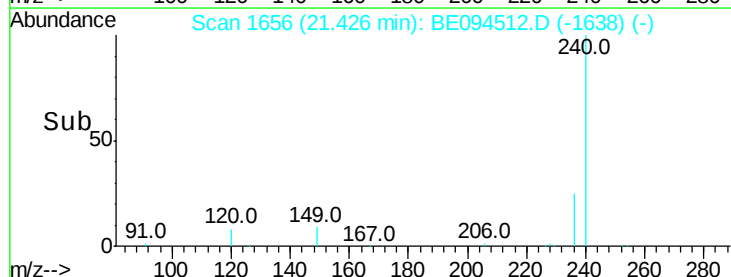
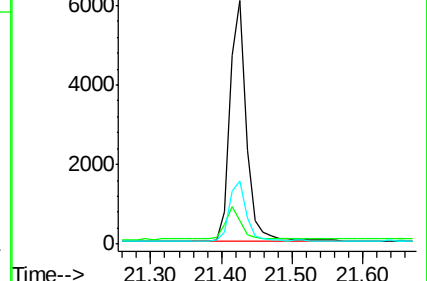
236 25.8 20.7 31.1

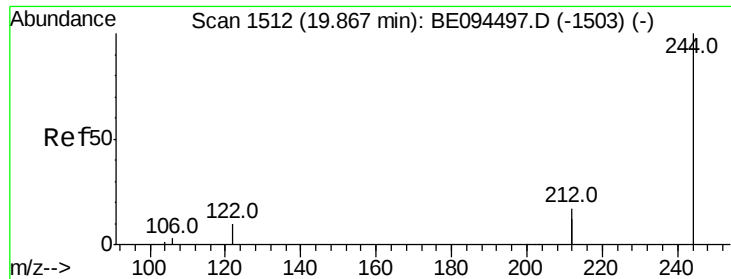


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.056 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampleId :

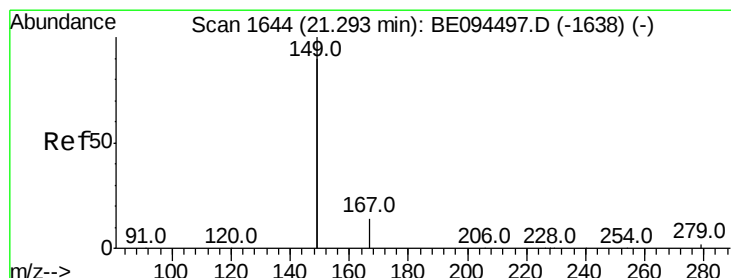
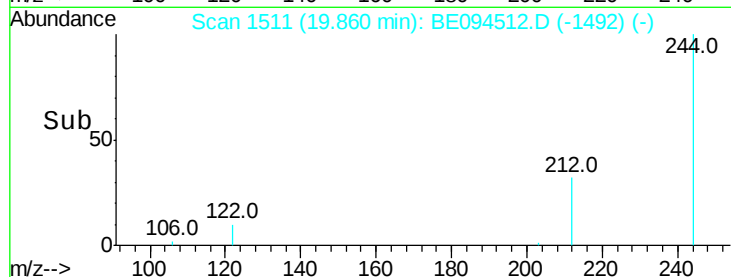
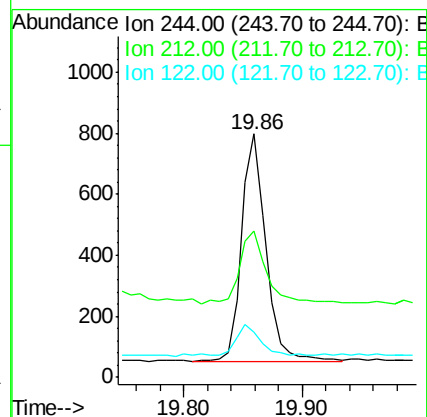
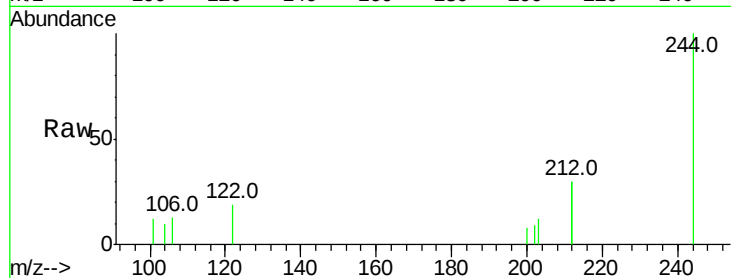
Tot Ion:244 Resp: 1055

Ion Ratio Lower Upper

244 100

212 60.2 25.4 38.0#

122 18.7 8.1 12.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.034 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

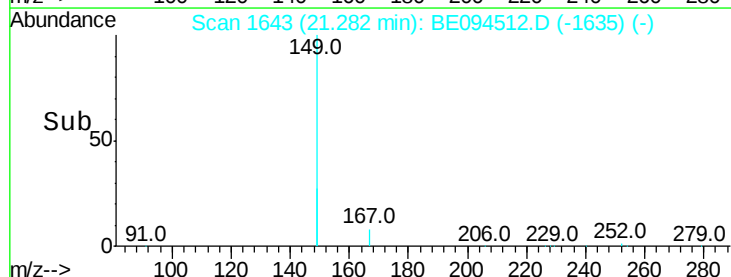
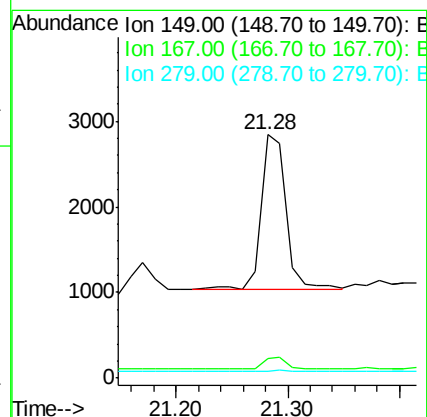
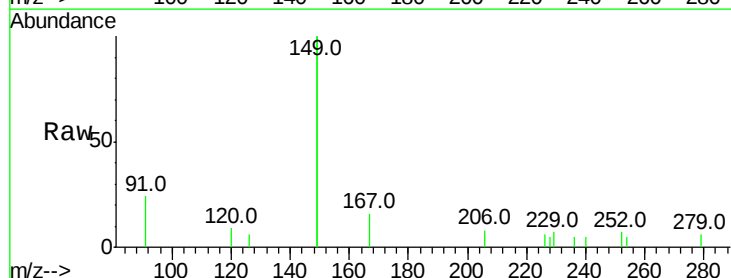
Tgt Ion:149 Resp: 2735

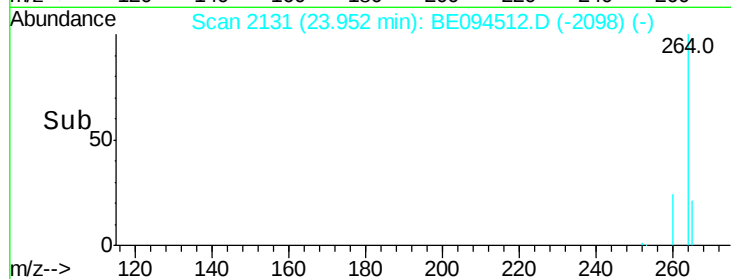
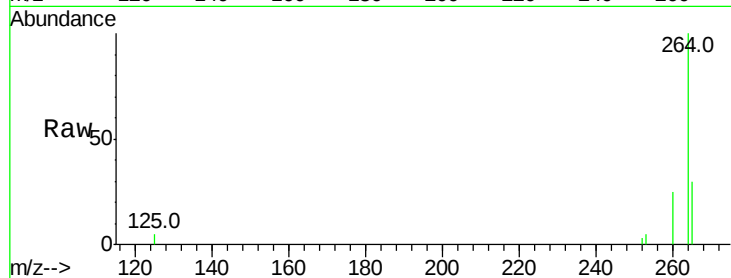
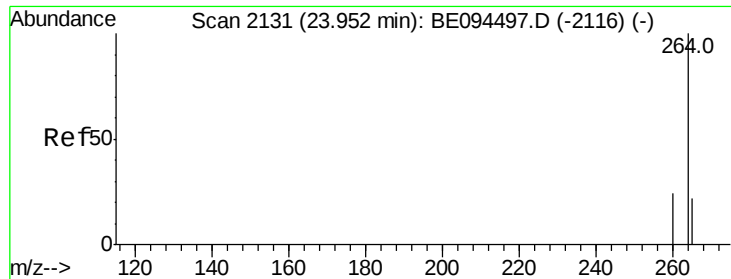
Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

279 1.0 0.7 1.1





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BE094512.D

Acq: 24 Oct 2017 10:59

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 9305

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 29.6 22.8 34.2

