

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102417\
 Data File : BE094513.D
 Acq On : 24 Oct 2017 11:35
 Operator : SJ/JU
 Sample : I5950-10DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 15:48:40 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	1237	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6826	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4273	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12751	0.40	ng	0.00
27) Chrysene-d12	21.41	240	10166	0.40	ng	-0.01
34) Perylene-d12	23.95	264	9639	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.54	112	73	0.02	ng	0.02
5) Phenol-d6	7.17	99	64	0.01	ng	0.03
8) Nitrobenzene-d5	9.10	82	229	0.04	ng	0.02
11) 2-Methylnaphthalene-d10	12.28	152	460	0.04	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	57	0.05	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	719	0.05	ng	0.00
25) Fluoranthene-d10	19.28	212	5443	-1.00	ng	0.00
29) Terphenyl-d14	19.85	244	1027	0.05	ng	-0.01

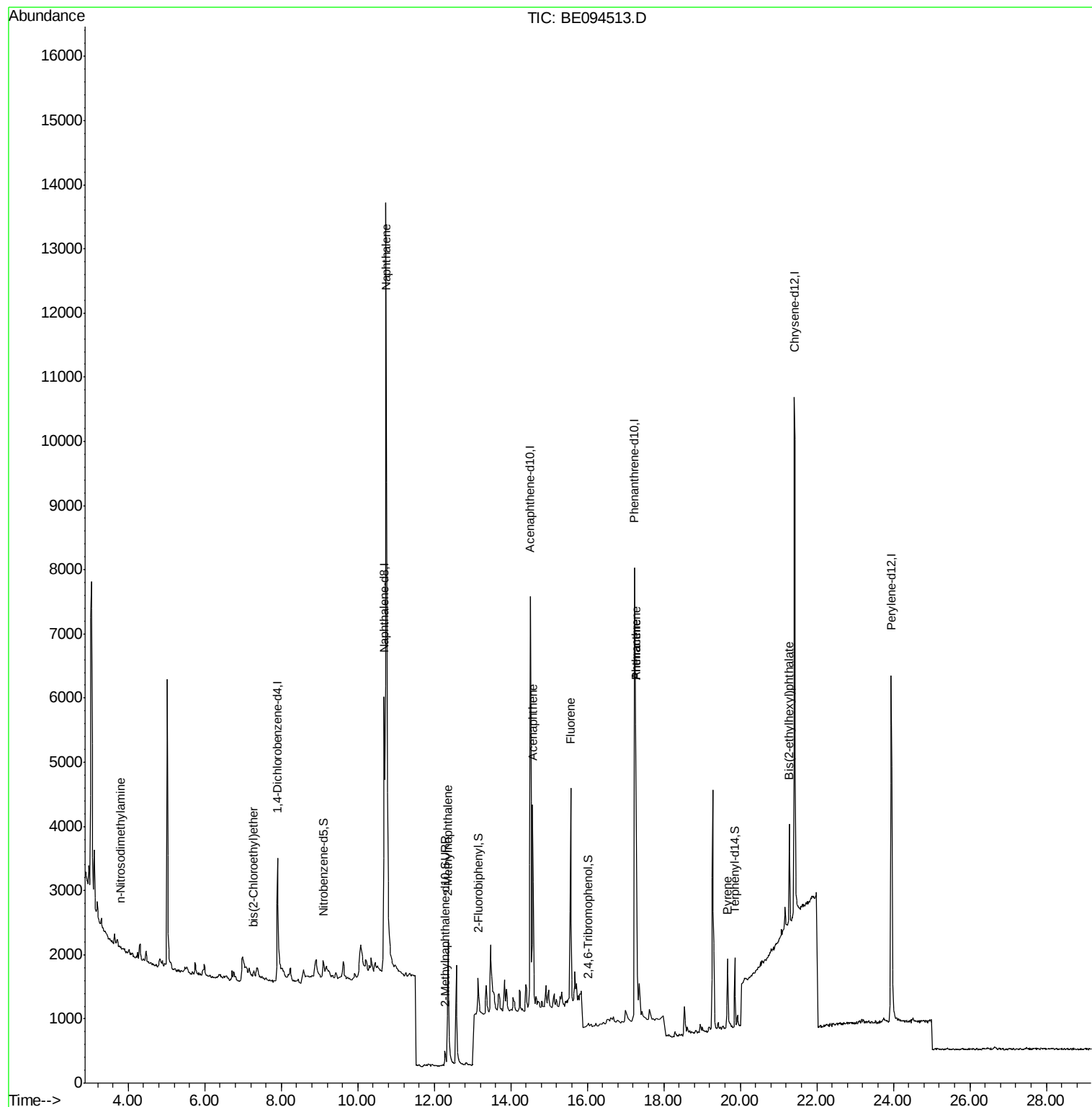
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.79	42	45	0.022	ng	# 4
6) bis(2-Chloroethyl)ether	7.28	93	185	0.037	ng	# 1
9) Naphthalene	10.74	128	26326	0.341	ng	100
12) 2-Methylnaphthalene	12.36	142	2155	0.164	ng	99
17) Acenaphthene	14.57	154	1923	0.133	ng	99
18) Fluorene	15.56	166	2046	0.110	ng	# 92
23) Phenanthrene	17.27	178	8373	0.220	ng	# 93
24) Anthracene	17.27	178	8414	0.225	ng	# 93
26) Fluoranthene	19.30	202	1372	Below Cal		98
28) Pyrene	19.67	202	1079	0.030	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.28	149	2002	0.025	ng	# 96

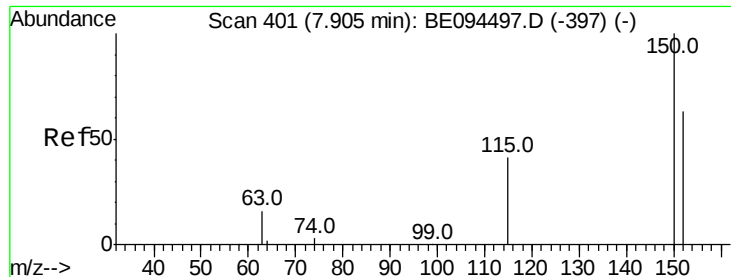
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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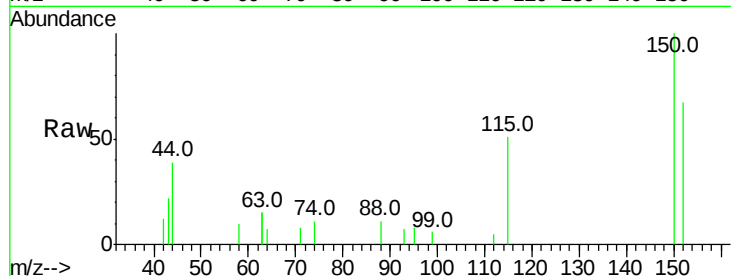


#1

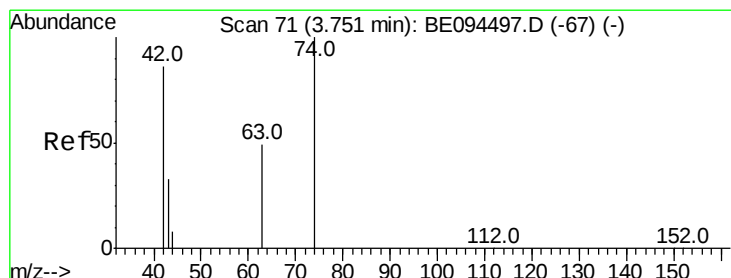
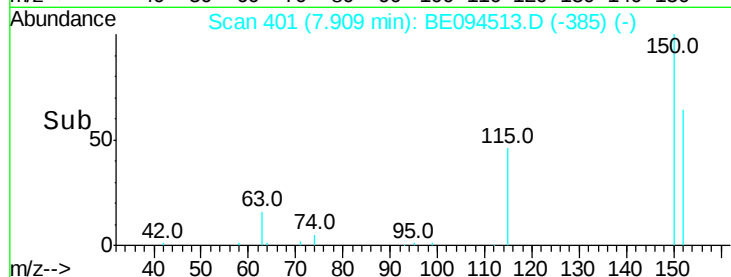
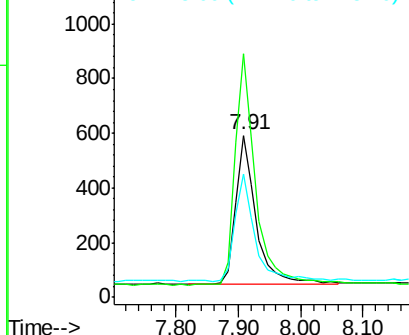
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094513.D
Acq: 24 Oct 2017 11:35

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1237
Ion Ratio Lower Upper
152 100
150 150.3 117.2 175.8
115 75.9 57.0 85.6



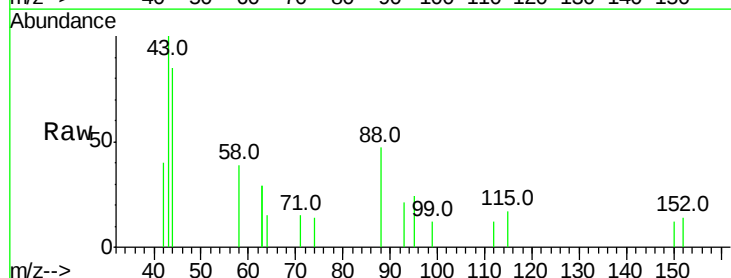
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



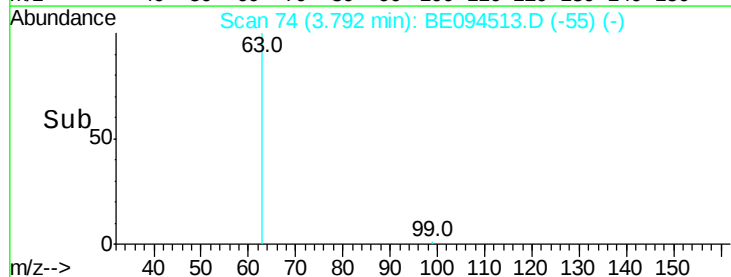
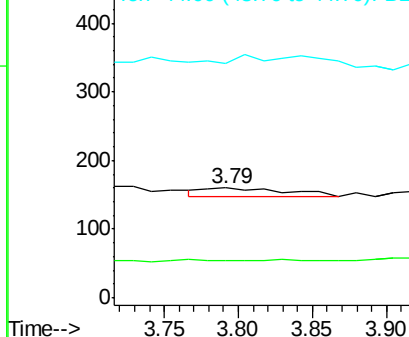
#3

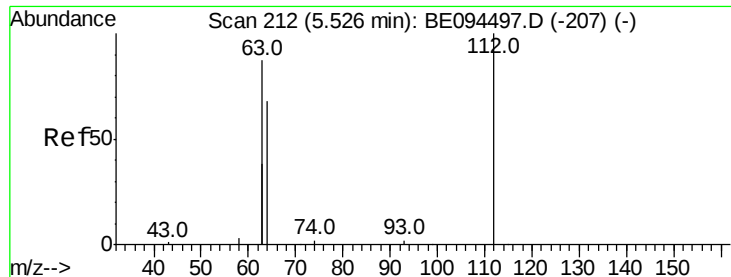
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.79 min Scan# 74
Delta R.T. 0.04 min
Lab File: BE094513.D
Acq: 24 Oct 2017 11:35

Tgt Ion: 42 Resp: 45
Ion Ratio Lower Upper
42 100
74 0.0 100.3 150.5#
44 28.9 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: 0.017 ng

RT: 5.54 min Scan# 213

Delta R.T. 0.02 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampleId :

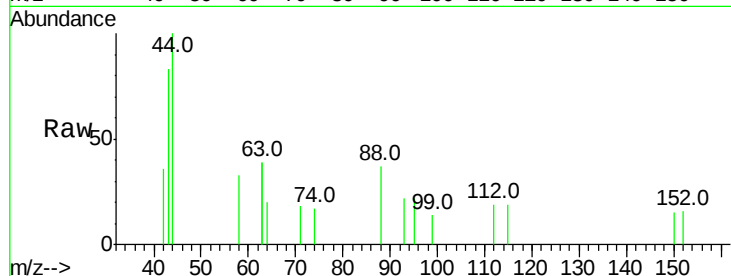
Tot Ion: 112 Resp: 73

Ion Ratio Lower Upper

112 100

64 112.3 60.1 90.1#

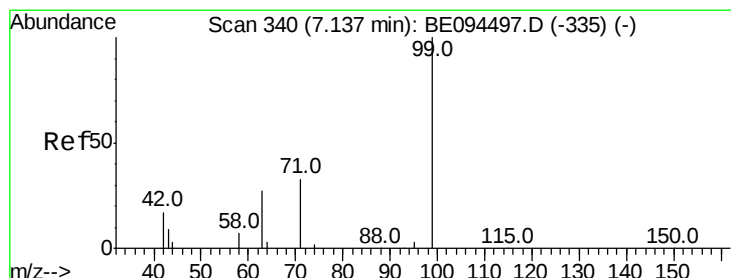
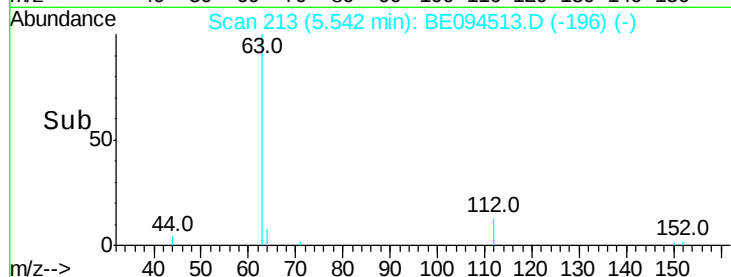
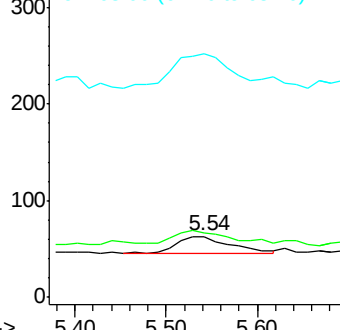
63 258.9 116.8 175.2#



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: 0.010 ng

RT: 7.17 min Scan# 342

Delta R.T. 0.03 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

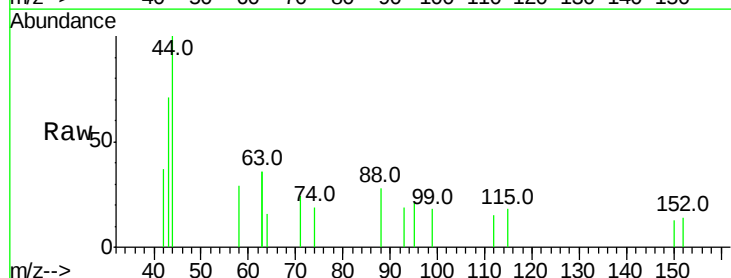
Tgt Ion: 99 Resp: 64

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

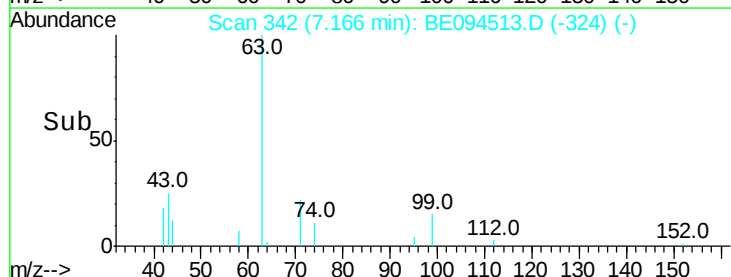
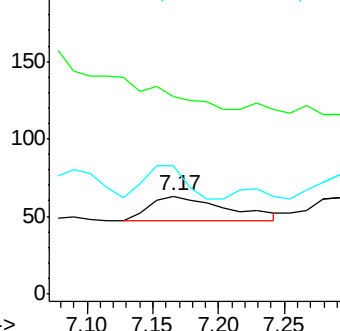
71 73.4 28.4 42.6#

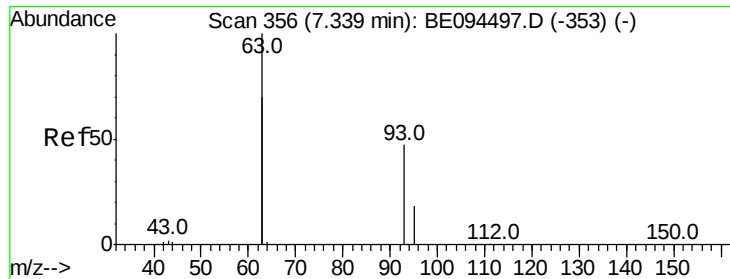


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



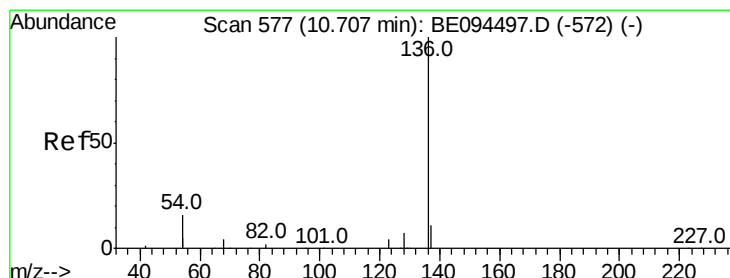
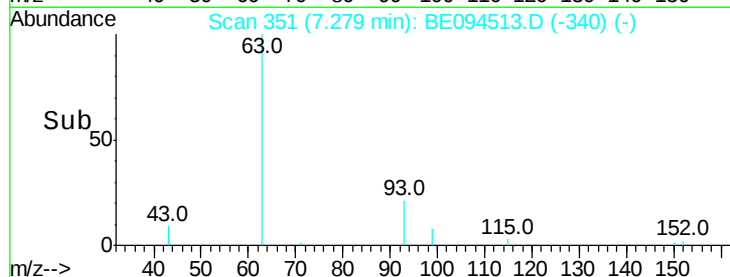
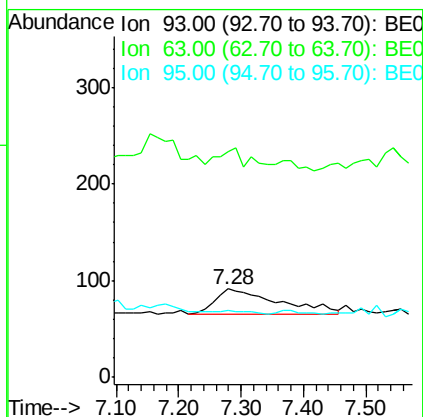
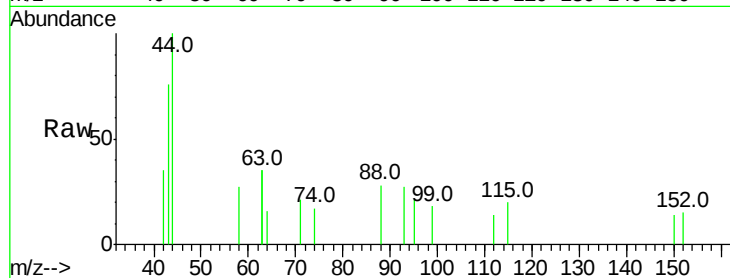


#6

bis(2-Chloroethyl)ether
Concen: 0.037 ng
RT: 7.28 min Scan# 351
Delta R.T. -0.06 min
Lab File: BE094513.D
Acq: 24 Oct 2017 11:35

Instrument :
BNA_E
ClientSampleId :

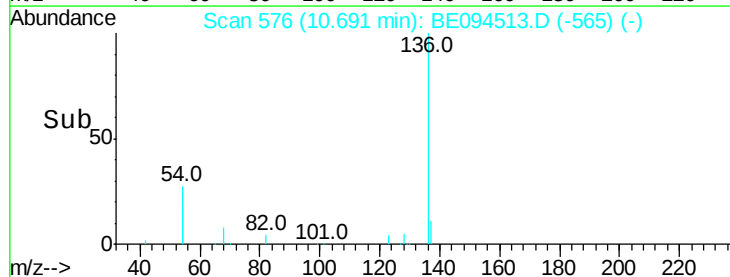
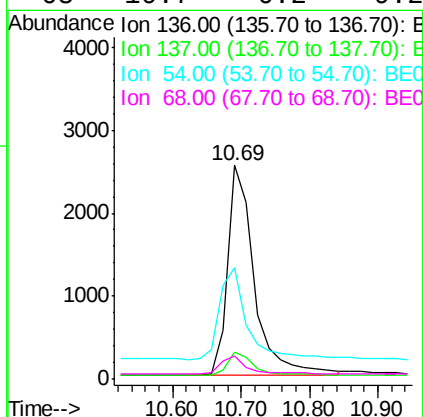
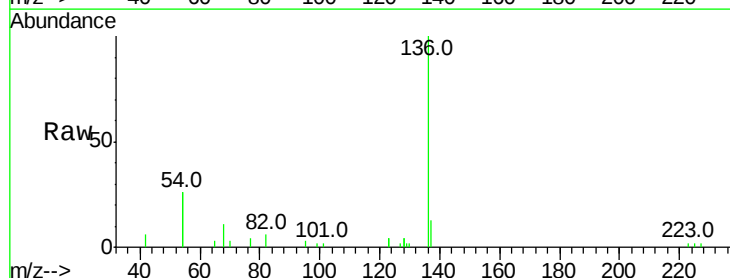
Tot Ion: 93 Resp: 185
Ion Ratio Lower Upper
93 100
63 25.9 275.3 412.9#
95 0.0 25.2 37.8#

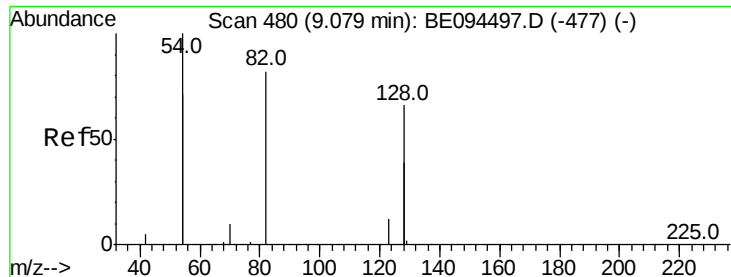


#7

Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE094513.D
Acq: 24 Oct 2017 11:35

Tgt Ion: 136 Resp: 6826
Ion Ratio Lower Upper
136 100
137 12.7 9.5 14.3
54 52.0 29.1 43.7#
68 10.7 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.042 ng

RT: 9.10 min Scan# 481

Delta R.T. 0.02 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampleId :

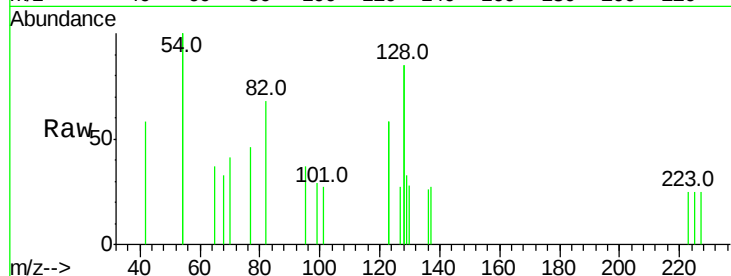
Tot Ion: 82 Resp: 229

Ion Ratio Lower Upper

82 100

128 251.7 150.0 225.0#

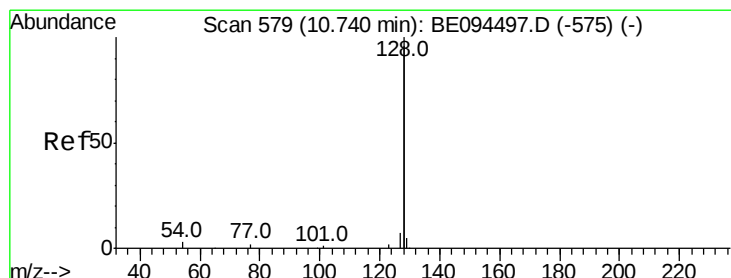
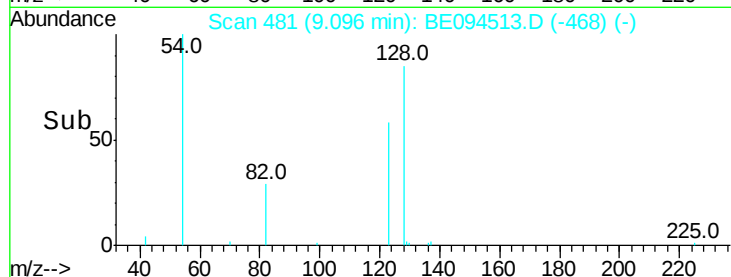
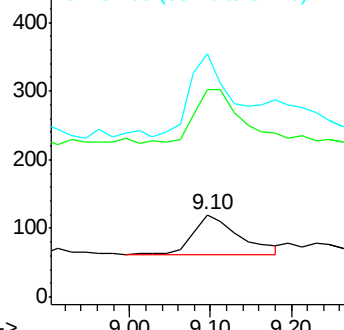
54 295.0 154.2 231.4#



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: 0.341 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

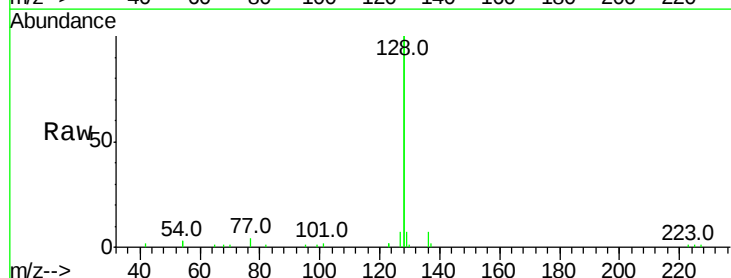
Tgt Ion: 128 Resp: 26326

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

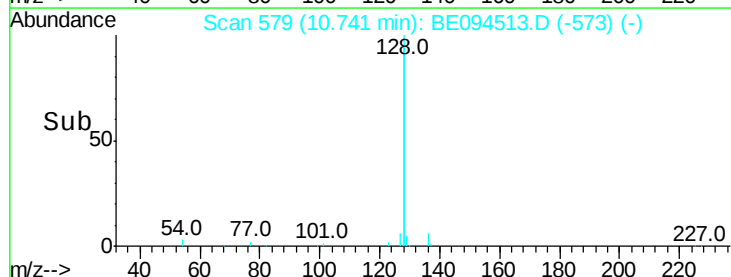
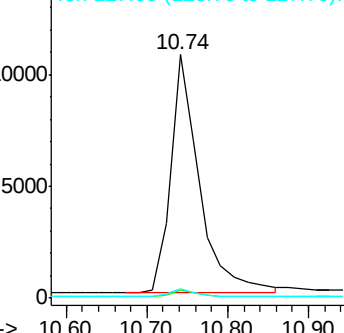
127 3.6 2.8 4.2

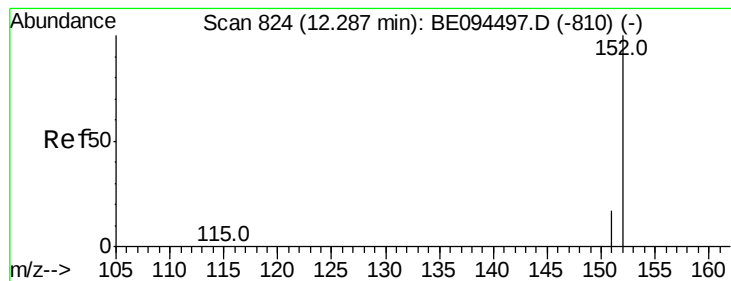


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.042 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

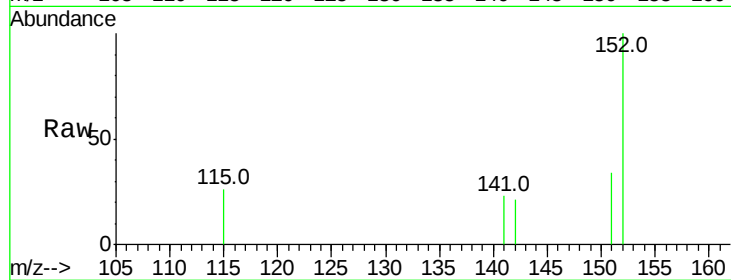
ClientSampleId :

Tot Ion:152 Resp: 460

Ion Ratio Lower Upper

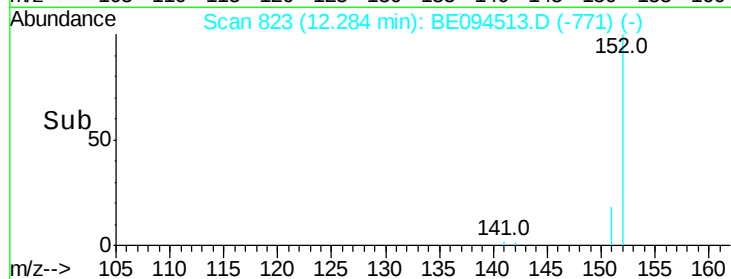
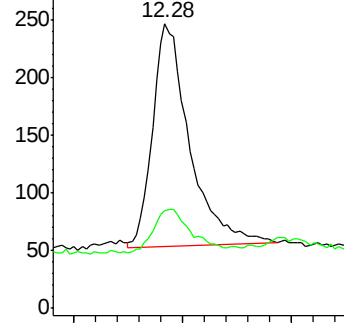
152 100

151 19.6 15.4 23.0

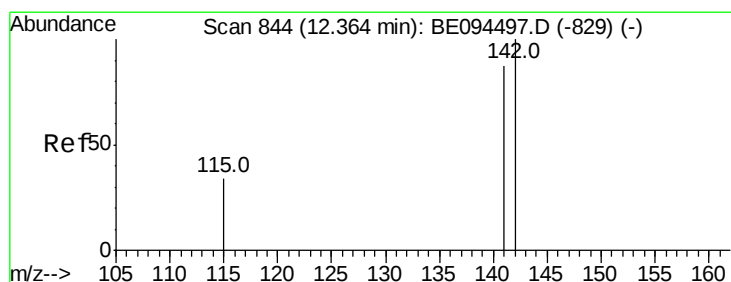


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.164 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

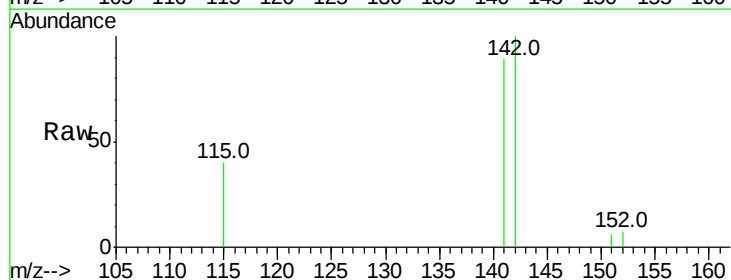
Tgt Ion:142 Resp: 2155

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

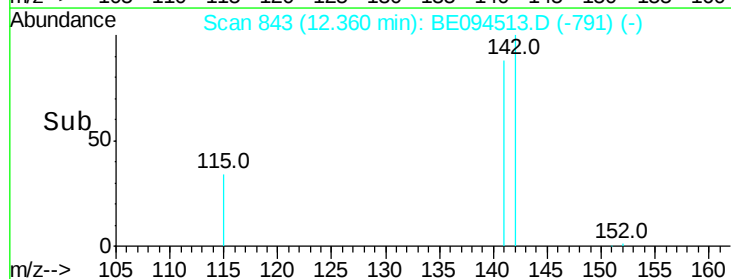
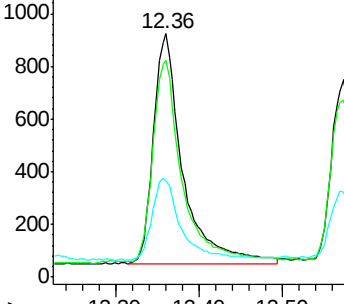
115 39.7 31.7 47.5



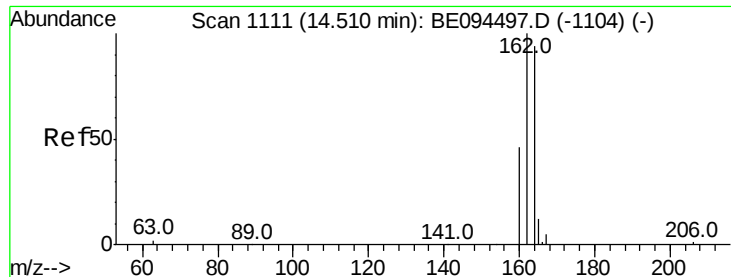
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 12.30 12.40 12.50



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampleId :

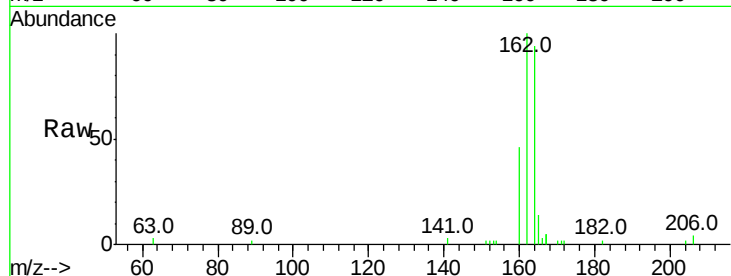
Tot Ion:164 Resp: 4273

Ion Ratio Lower Upper

164 100

162 106.2 83.1 124.7

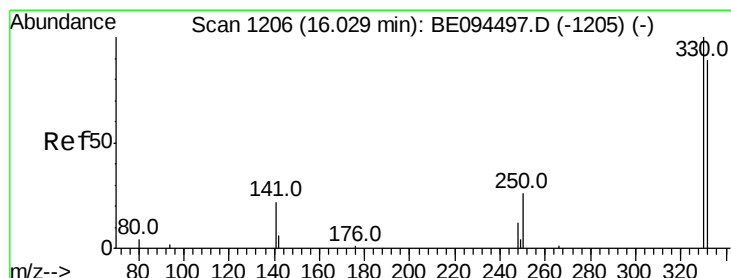
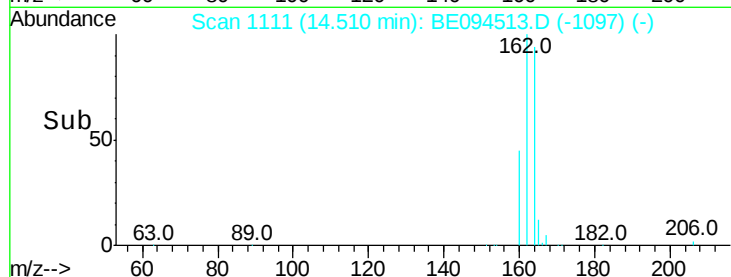
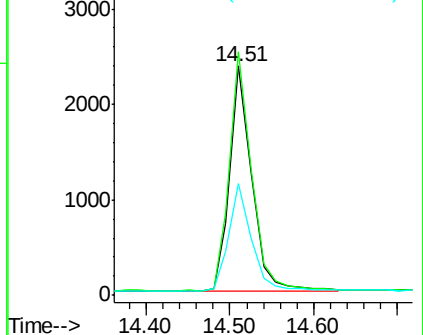
160 48.5 37.1 55.7



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: 0.048 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

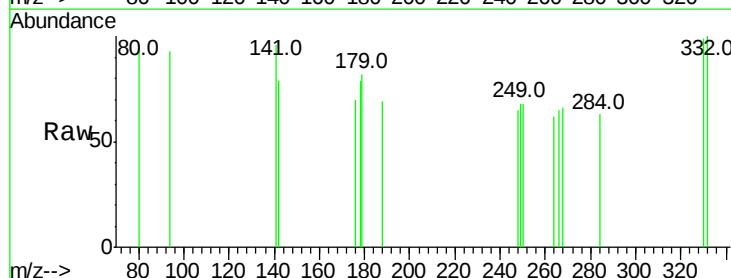
Tgt Ion:330 Resp: 57

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

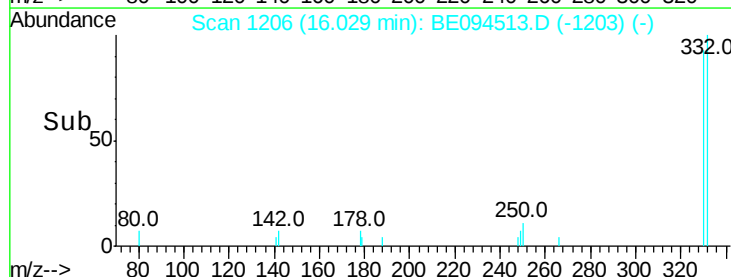
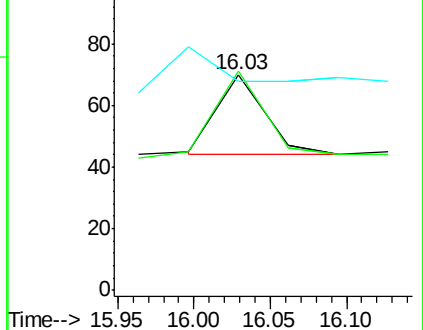
141 0.0 33.7 50.5#

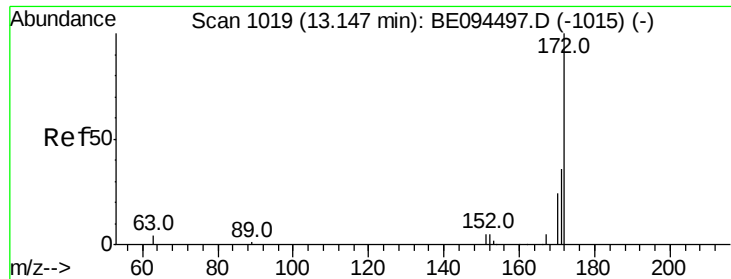


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

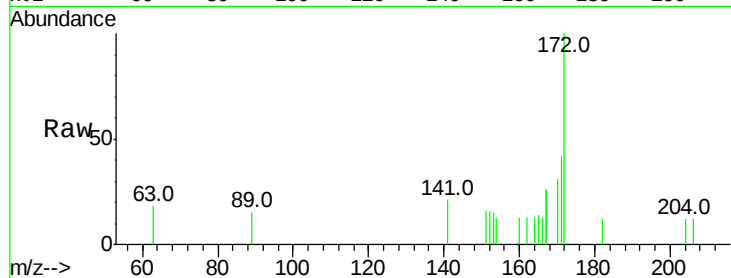




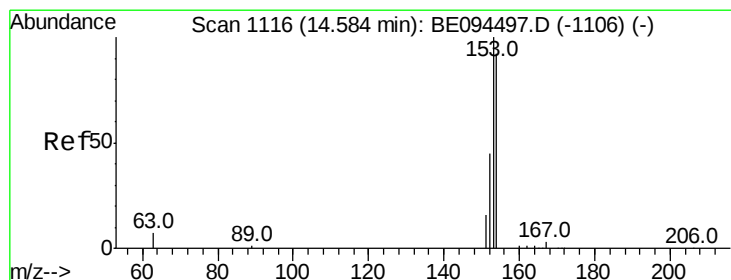
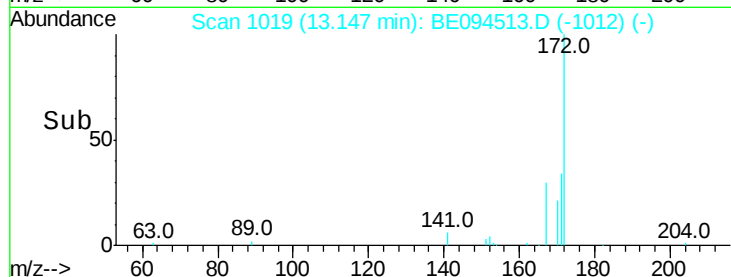
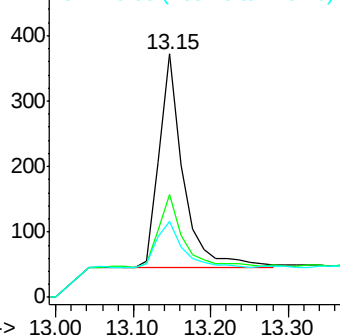
#15
2-Fluorobiphenyl
Concen: 0.048 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094513.D
Acq: 24 Oct 2017 11:35

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.5	29.9	44.9
170	31.2	21.8	32.8

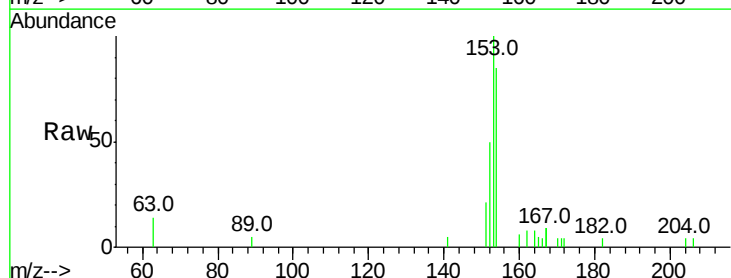


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

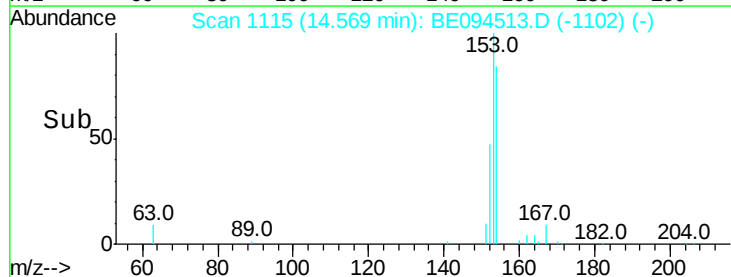
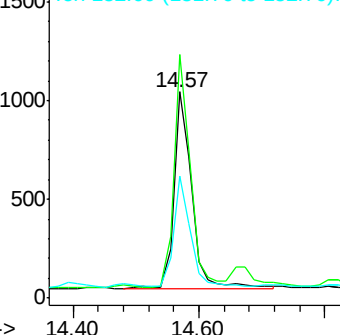


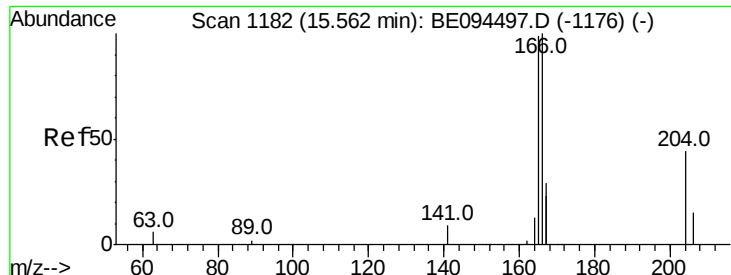
#17
Acenaphthene
Concen: 0.133 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BE094513.D
Acq: 24 Oct 2017 11:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.8	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: 0.110 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampleId :

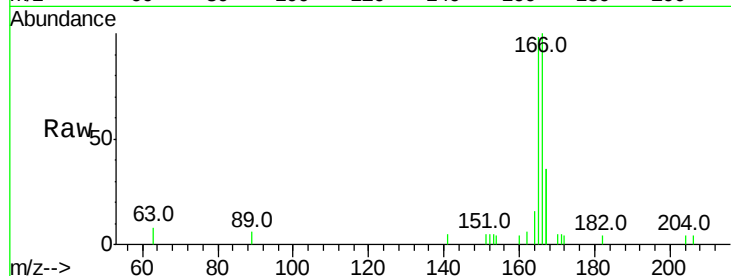
Tot Ion:166 Resp: 2046

Ion Ratio Lower Upper

166 100

165 99.7 77.8 116.6

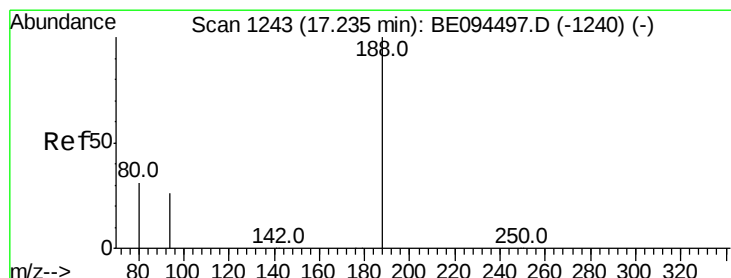
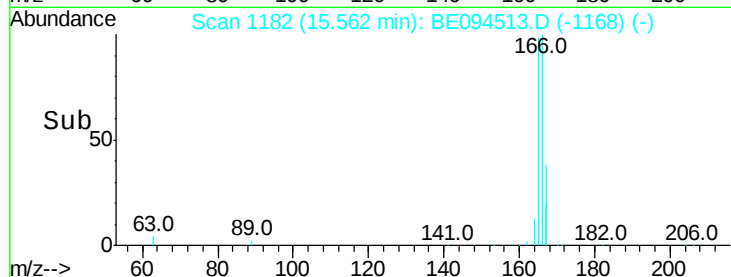
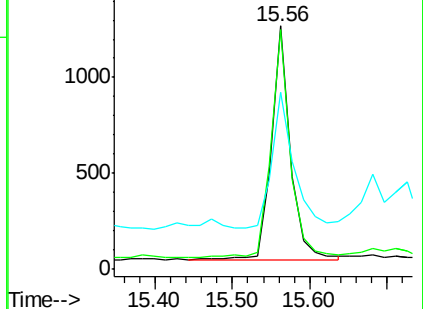
167 66.4 42.4 63.6#



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: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

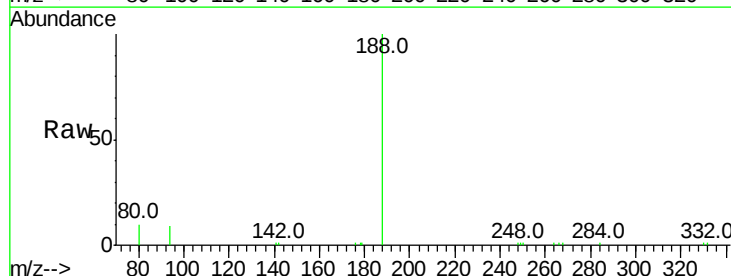
Tgt Ion:188 Resp: 12751

Ion Ratio Lower Upper

188 100

94 9.4 3.9 5.9#

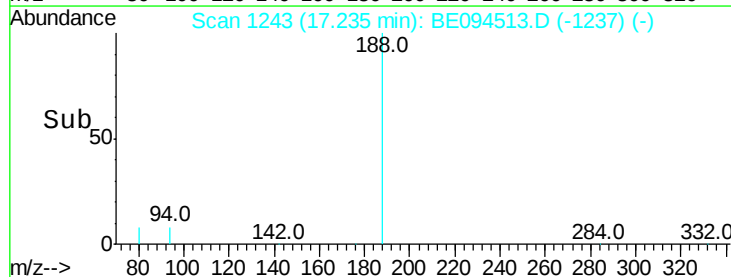
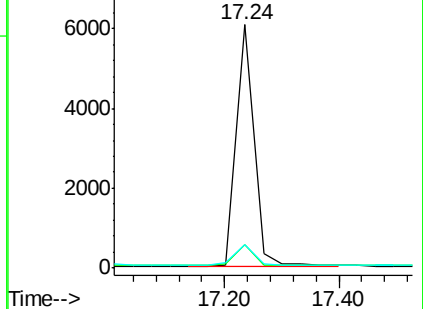
80 9.6 3.6 5.4#

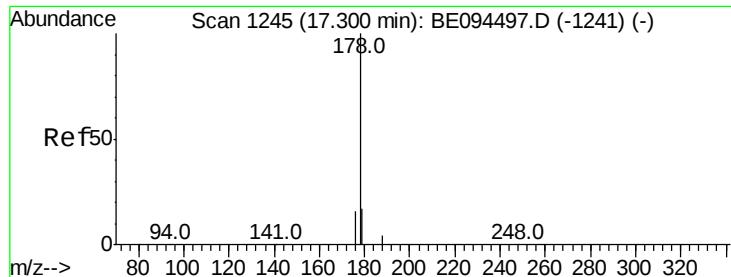


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.220 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampleId :

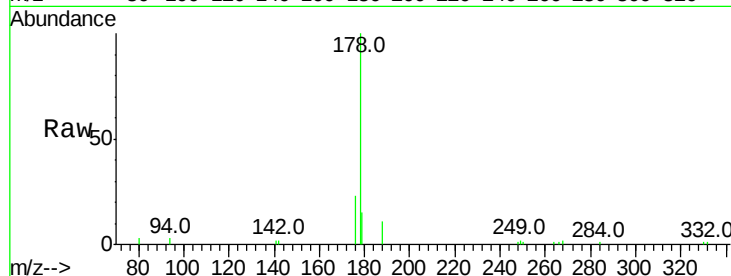
Tot Ion:178 Resp: 8373

Ion Ratio Lower Upper

178 100

176 21.0 15.1 22.7

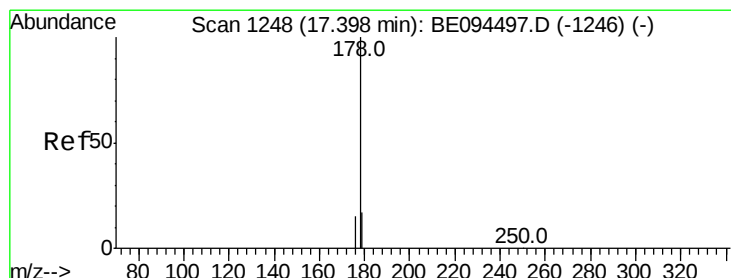
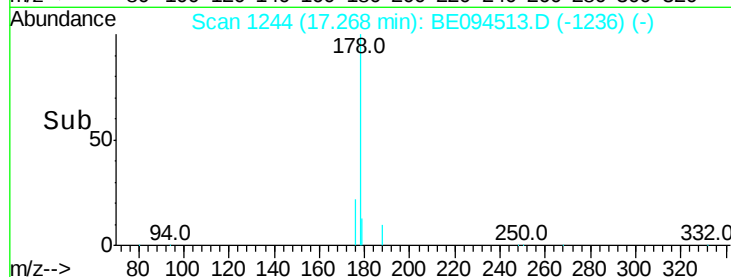
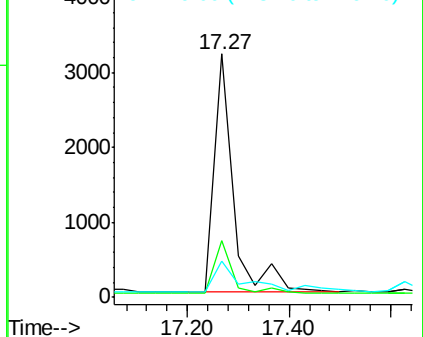
179 18.9 11.8 17.6#



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: 0.225 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.13 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

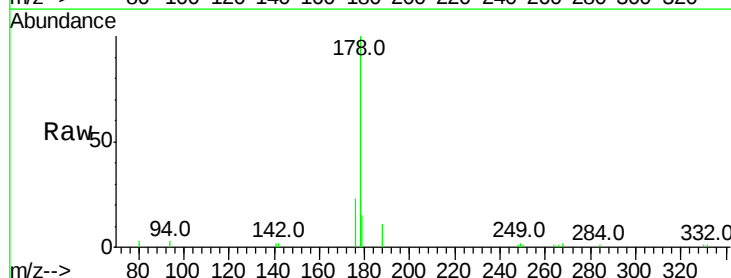
Tgt Ion:178 Resp: 8414

Ion Ratio Lower Upper

178 100

176 19.8 12.8 19.2#

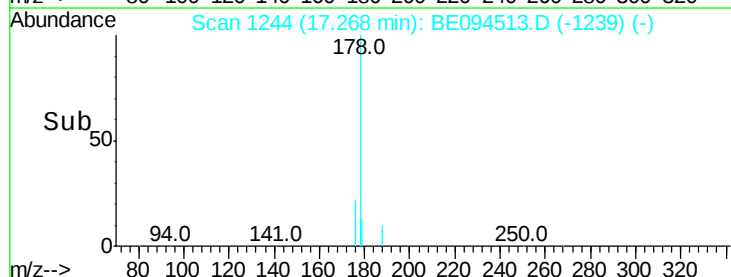
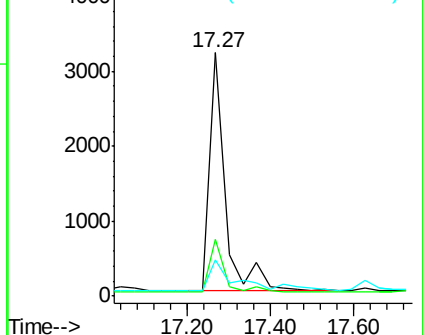
179 18.8 13.0 19.6

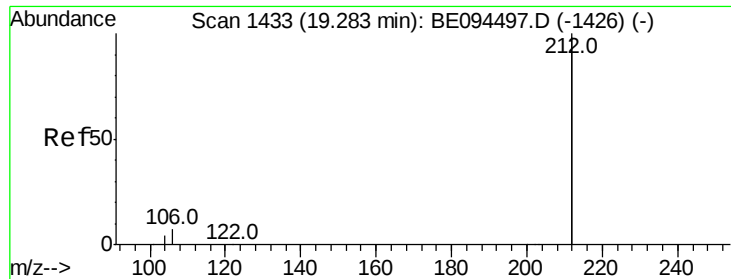


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

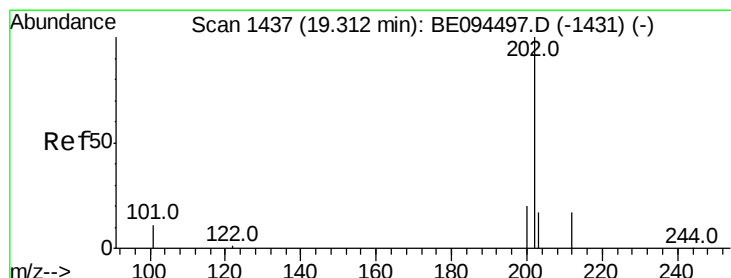
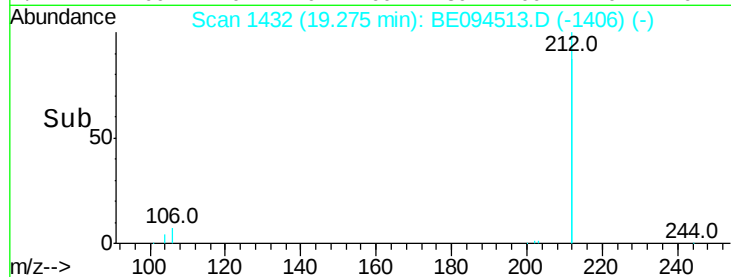
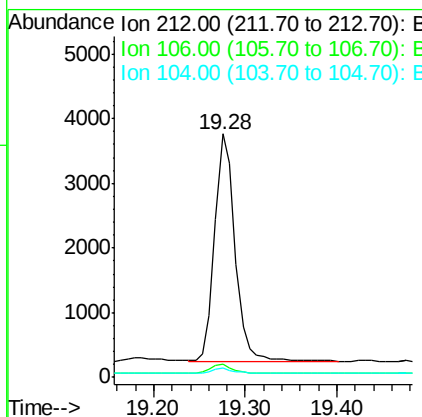
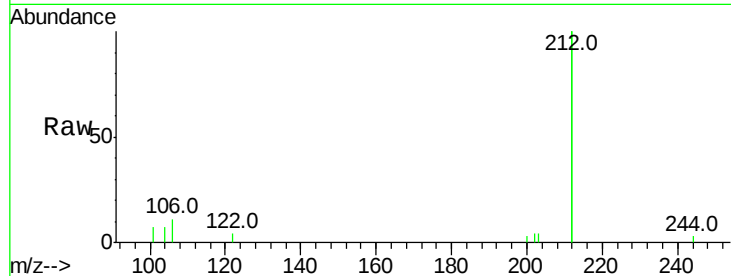




#25
 Fluoranthene-d10
 Concen: -1.000 ng
 RT: 19.28 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE094513.D
 Acq: 24 Oct 2017 11:35

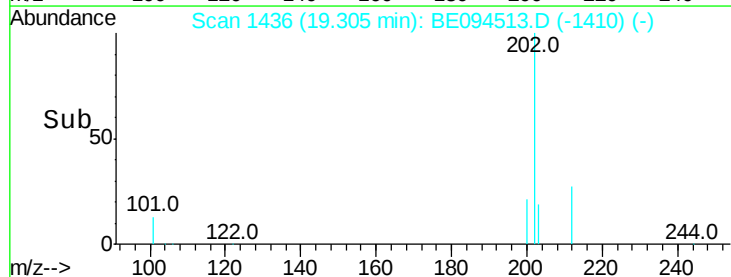
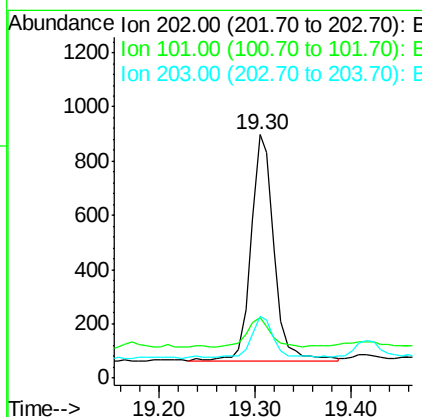
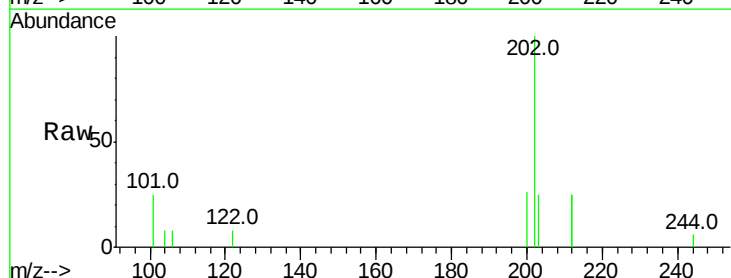
Instrument :
 BNA_E
 ClientSampleId :

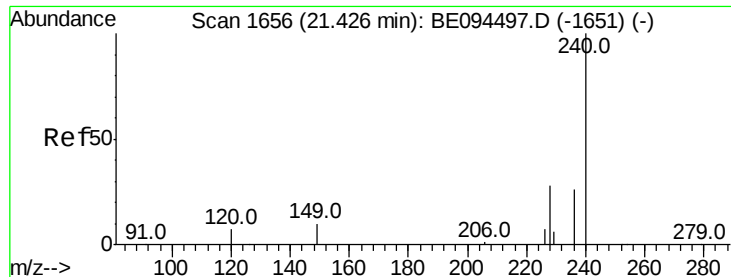
Tot Ion:212 Resp: 5443
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 2.3 1.6 2.4



#26
 Fluoranthene
 Concen: Below Cal
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE094513.D
 Acq: 24 Oct 2017 11:35

Tgt Ion:202 Resp: 1372
 Ion Ratio Lower Upper
 202 100
 101 13.3 9.8 14.8
 203 18.1 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampleId :

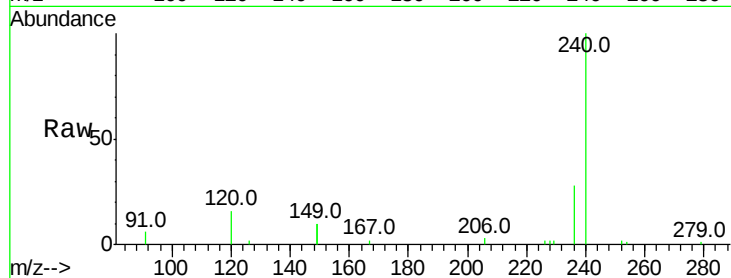
Tot Ion:240 Resp: 10166

Ion Ratio Lower Upper

240 100

120 16.3 5.5 8.3#

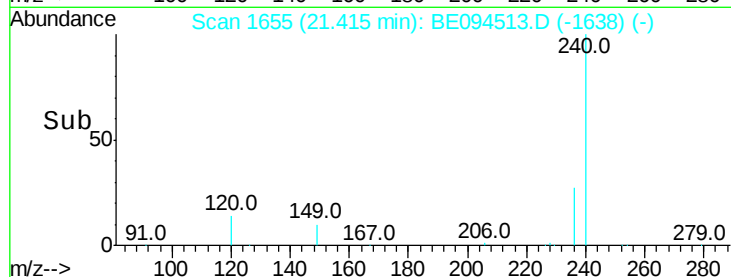
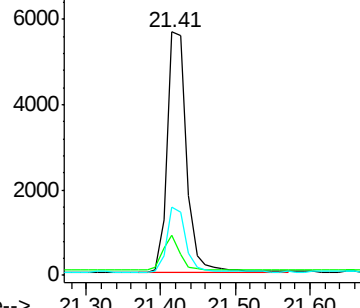
236 28.0 20.7 31.1



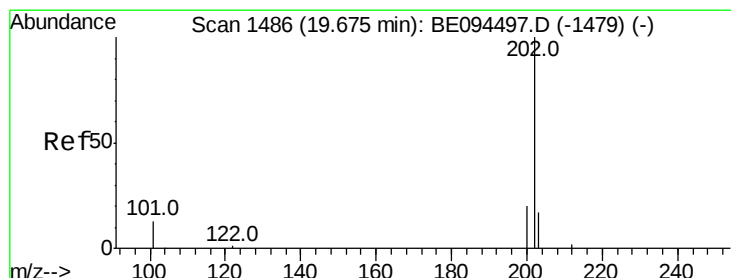
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#28

Pyrene

Concen: 0.030 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

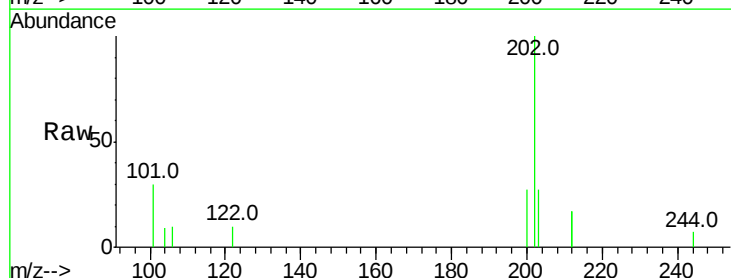
Tgt Ion:202 Resp: 1079

Ion Ratio Lower Upper

202 100

200 19.3 16.6 25.0

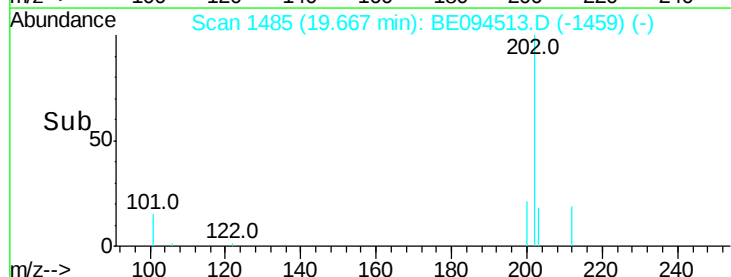
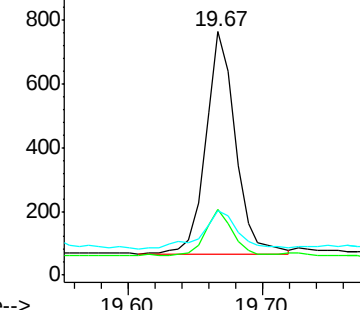
203 20.9 13.8 20.8#



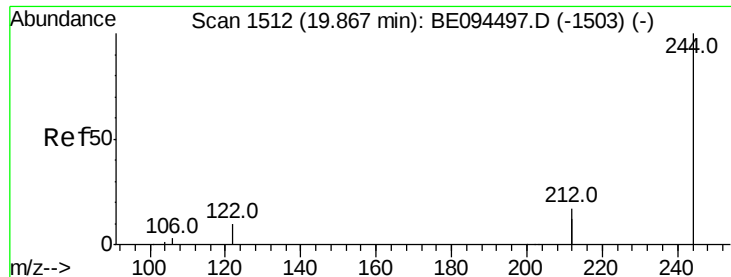
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#29

Terphenyl-d14

Concen: 0.054 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampled :

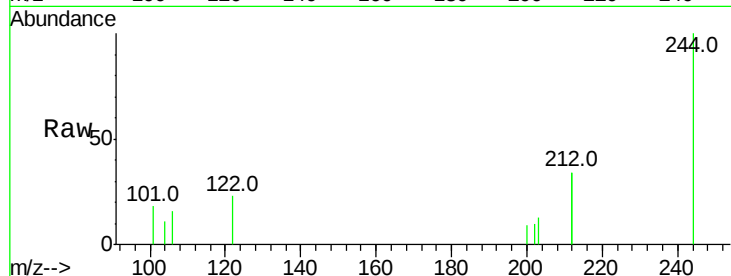
Tot Ion:244 Resp: 1027

Ion Ratio Lower Upper

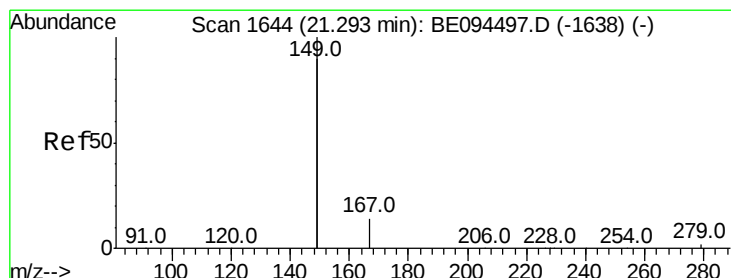
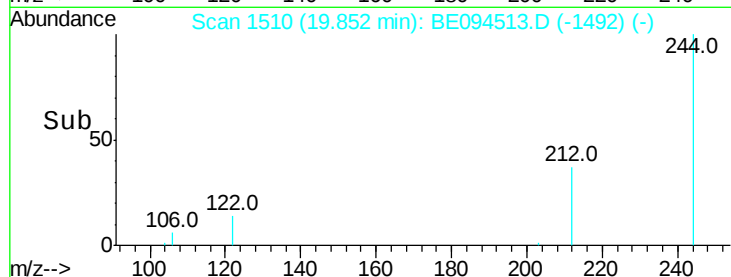
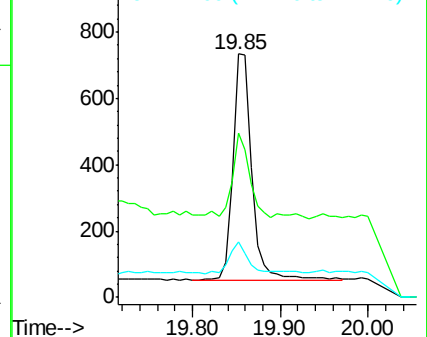
244 100

212 67.6 25.4 38.0#

122 22.6 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.025 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

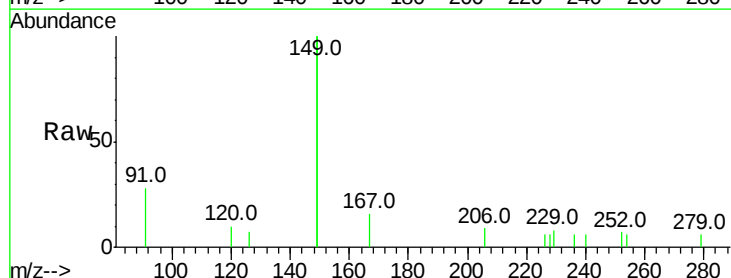
Tgt Ion:149 Resp: 2002

Ion Ratio Lower Upper

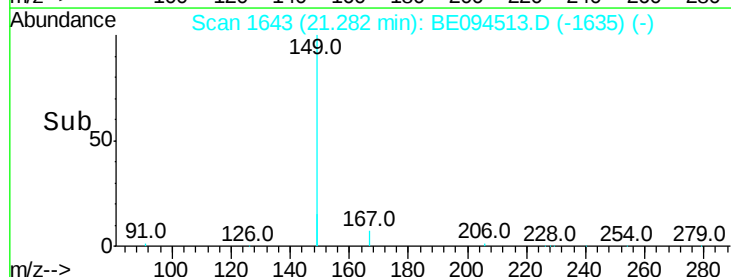
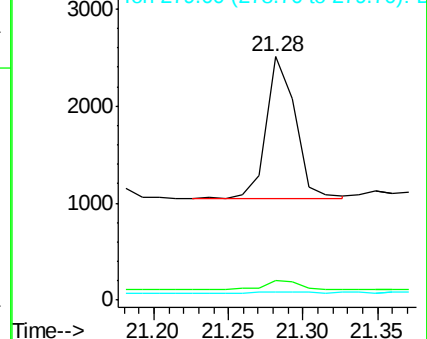
149 100

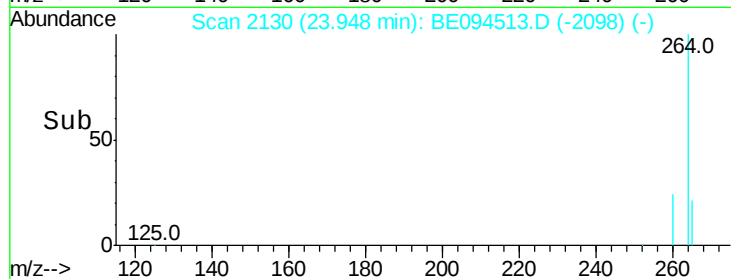
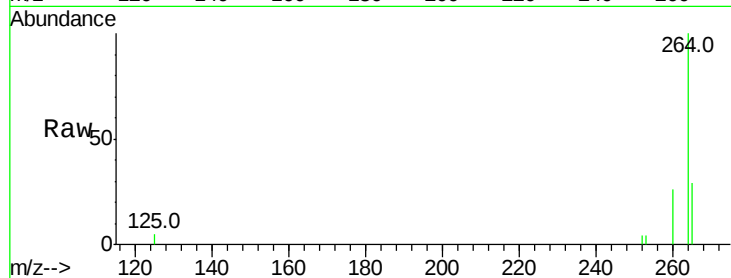
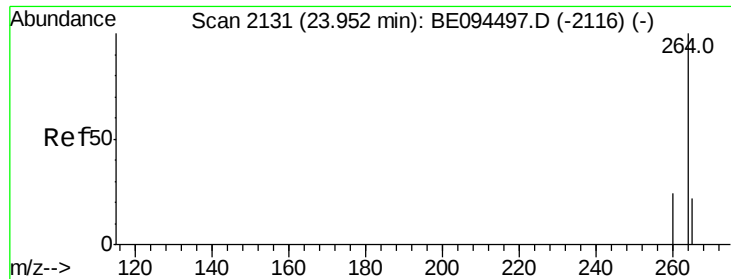
167 8.2 5.4 8.0#

279 1.8 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





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BE094513.D

Acq: 24 Oct 2017 11:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 264 Resp: 9639

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 29.0 22.8 34.2

