

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095855.D
 Acq On : 27 Mar 2018 1:08
 Operator : SJ/JU
 Sample : J1994-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:44:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1143	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4480	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2536	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6085	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6830	0.40	ng	-0.01
34) Perylene-d12	24.41	264	6711	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	728	0.19	ng	0.00
5) Phenol-d6	7.56	99	613	0.12	ng	0.00
8) Nitrobenzene-d5	9.59	82	2537	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	3042	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	683	0.47	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	6519	0.61	ng	-0.01
25) Fluoranthene-d10	19.68	212	34886	0.39	ng	0.00
29) Terphenyl-d14	20.24	244	9273	0.64	ng	0.00

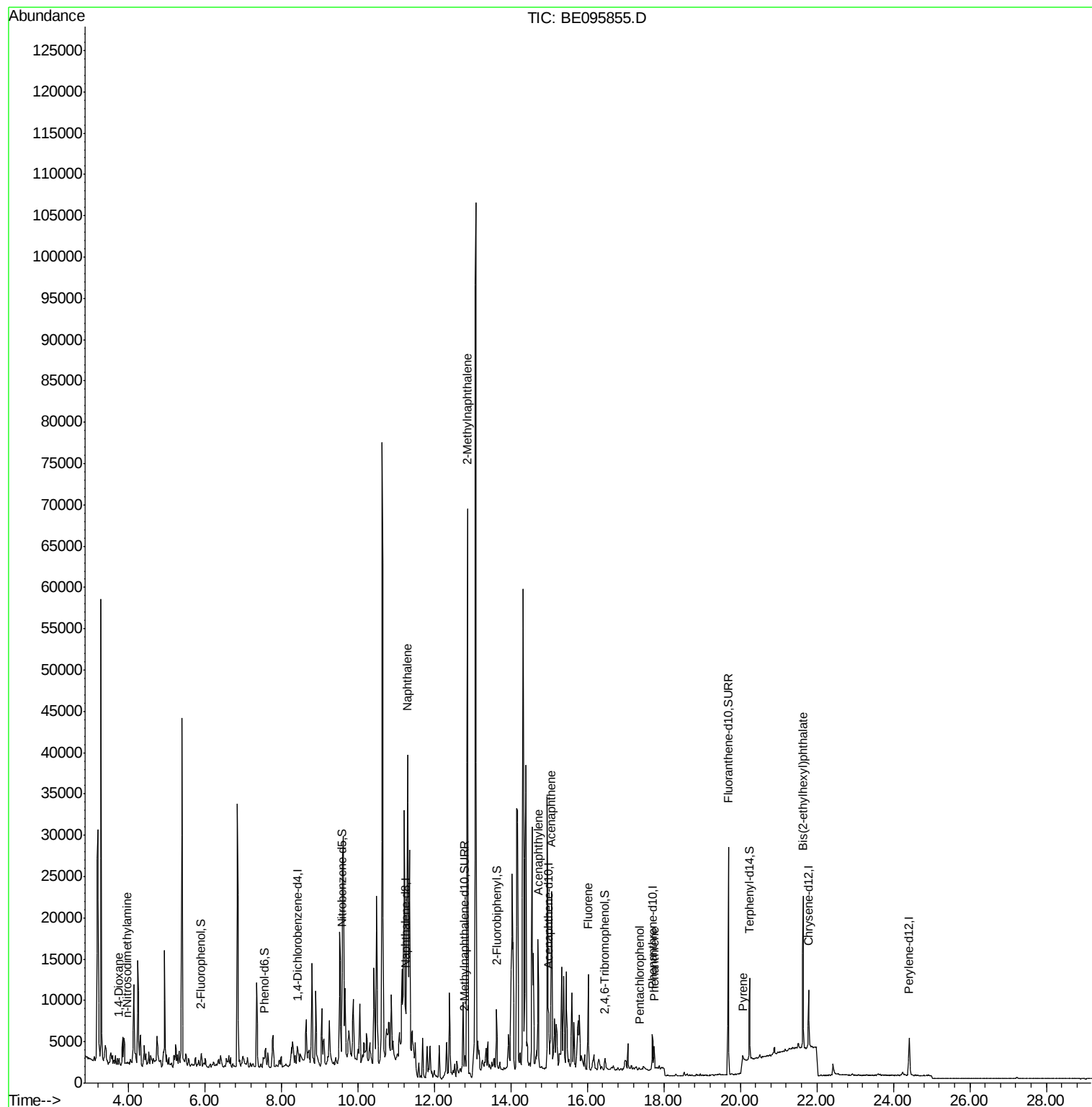
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.74	88	41	0.022	ng	# 16
3) n-Nitrosodimethylamine	3.99	42	301	0.110	ng	# 4
9) Naphthalene	11.29	128	62140	1.214	ng	# 88
12) 2-Methylnaphthalene	12.86	142	46235	5.291	ng	# 95
16) Acenaphthylene	14.71	152	2224	0.153	ng	# 1
17) Acenaphthene	15.06	154	2477	0.280	ng	# 19
18) Fluorene	16.02	166	8685	0.746	ng	# 82
22) Pentachlorophenol	17.36	266	55	0.171	ng	# 95
23) Phenanthrene	17.74	178	2876	0.158	ng	# 94
28) Pyrene	20.06	202	630	0.023	ng	# 77
32) Bis(2-ethylhexyl)phthalate	21.64	149	22379	0.309	ng	# 100

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

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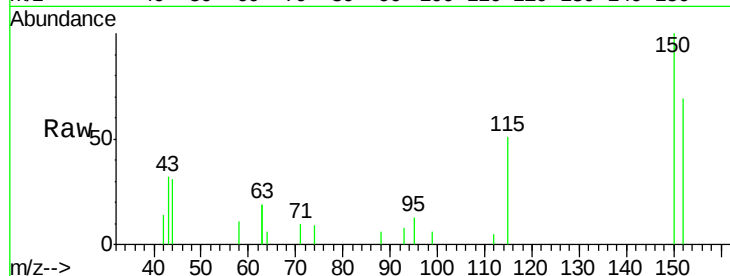


#1

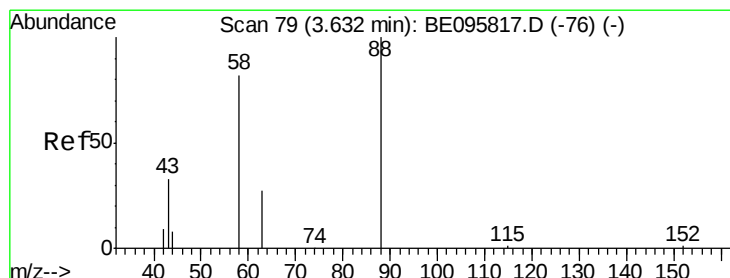
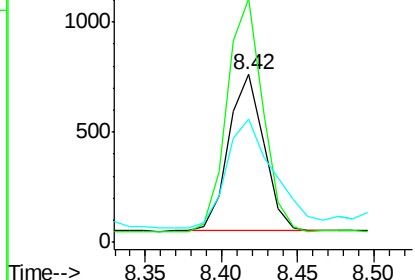
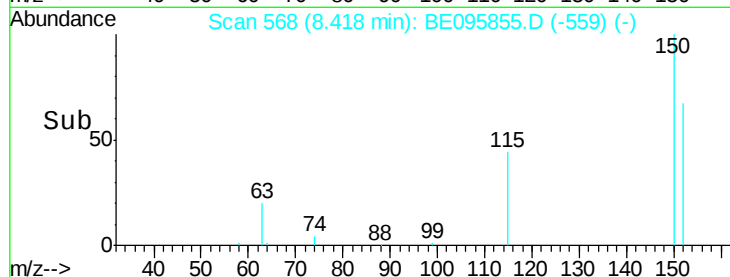
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095855.D
Acq: 27 Mar 2018 1:08

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1143
Ion Ratio Lower Upper
152 100
150 145.2 117.2 175.8
115 73.9 57.0 85.6



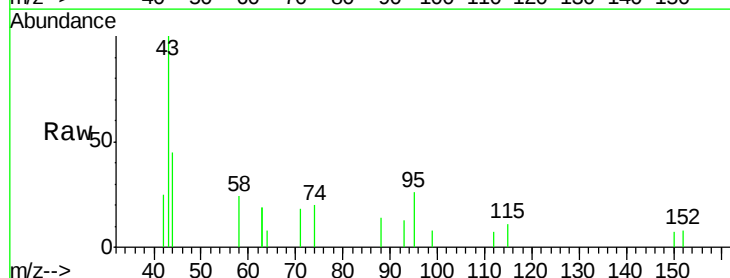
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



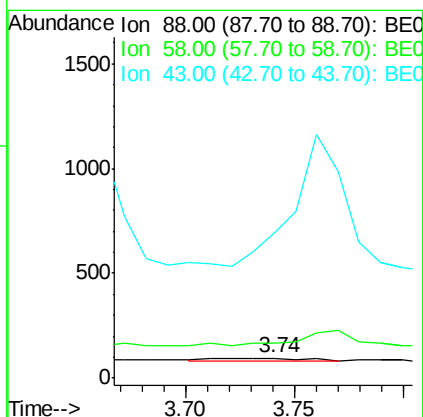
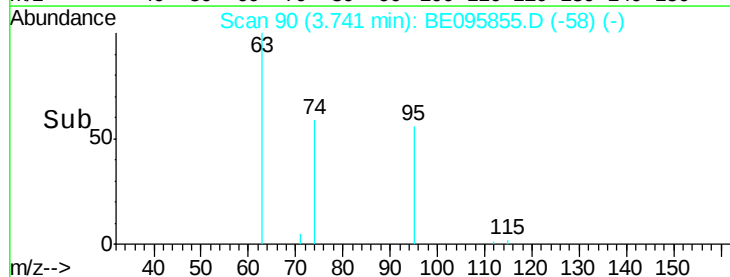
#2

1,4-Dioxane
Concen: 0.022 ng
RT: 3.74 min Scan# 90
Delta R.T. 0.11 min
Lab File: BE095855.D
Acq: 27 Mar 2018 1:08

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 0.0 41.2 61.8#



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



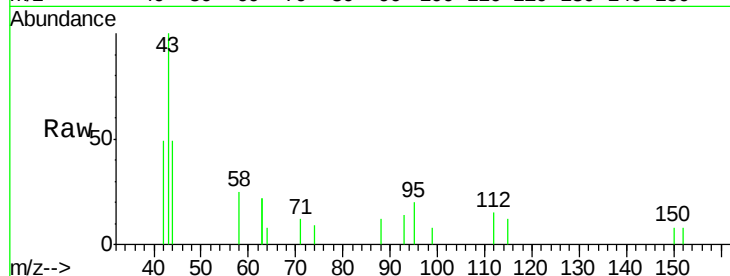


#3

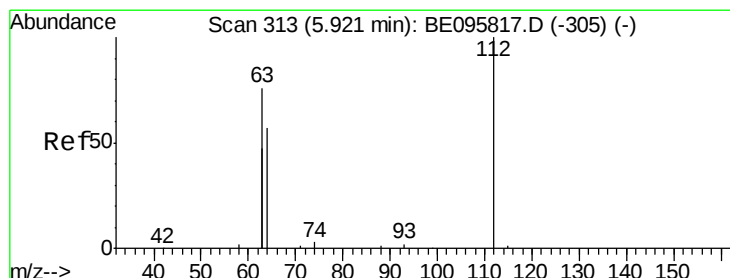
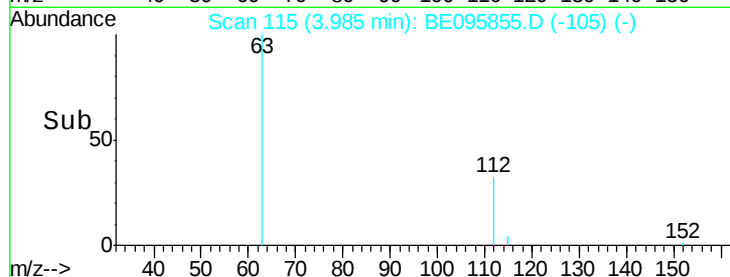
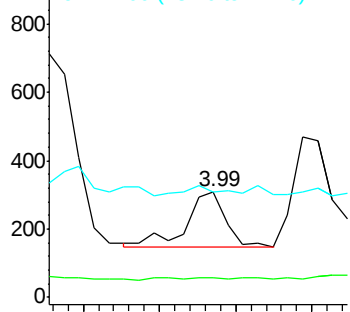
n-Nitrosodimethylamine
 Concen: 0.110 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095855.D
 Acq: 27 Mar 2018 1:08

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 301
 Ion Ratio Lower Upper
 42 100
 74 0.0 96.0 144.0#
 44 14.0 12.0 18.0



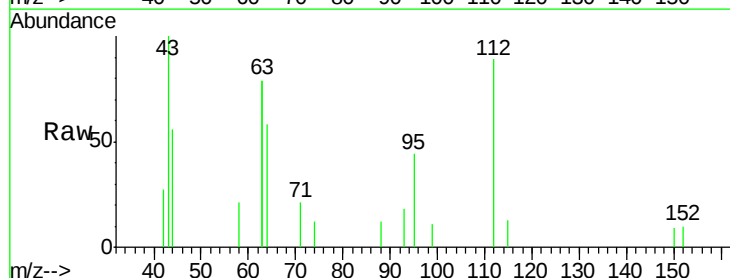
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



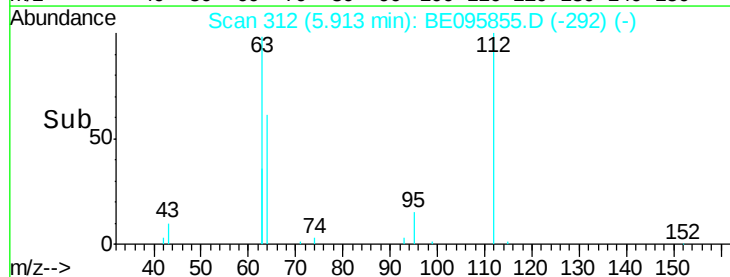
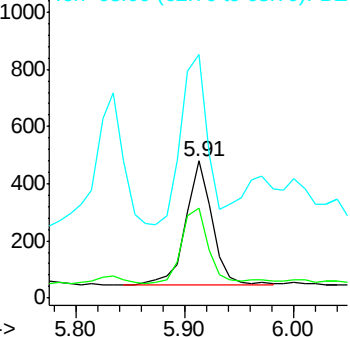
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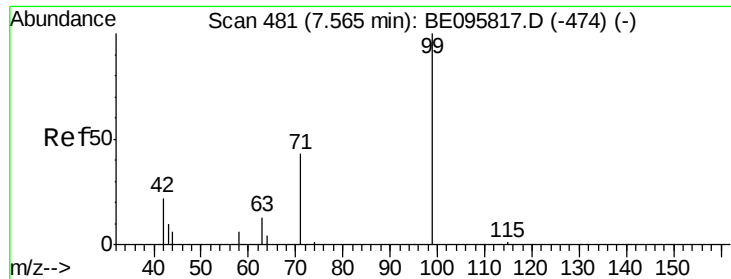
2-Fluorophenol
 Concen: 0.193 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095855.D
 Acq: 27 Mar 2018 1:08

Tgt Ion: 112 Resp: 728
 Ion Ratio Lower Upper
 112 100
 64 61.8 60.1 90.1
 63 140.7 116.8 175.2



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: 0.118 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampleId :

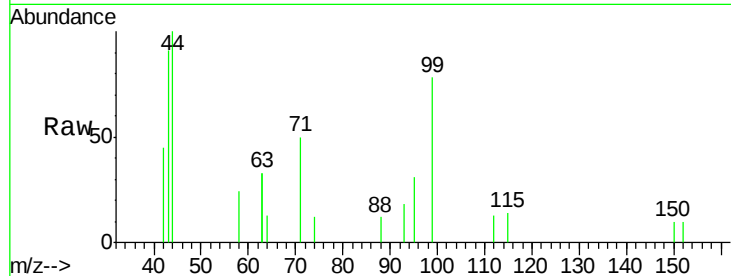
Tot Ion: 99 Resp: 613

Ion Ratio Lower Upper

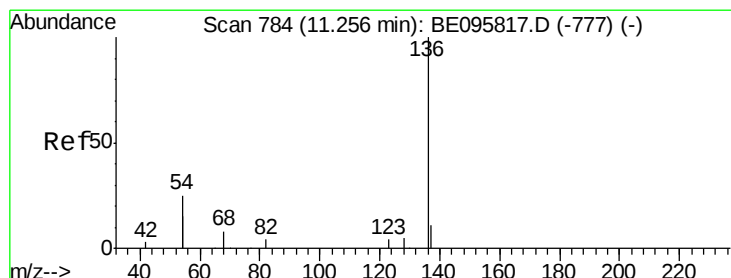
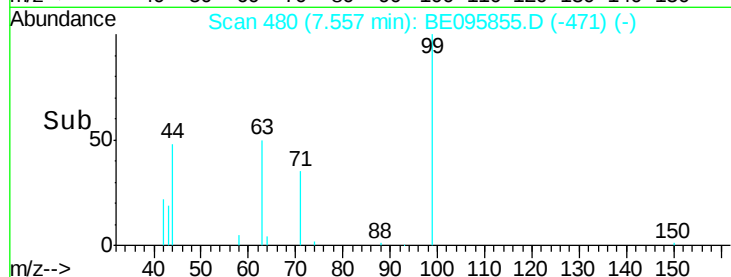
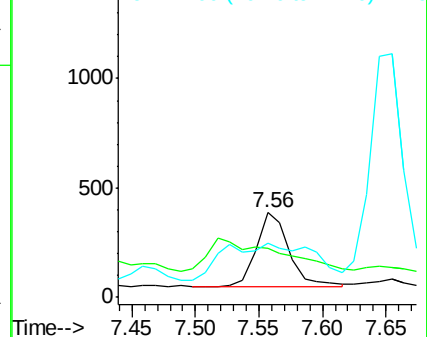
99 100

42 0.0 20.2 30.2#

71 0.0 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Tgt Ion: 136 Resp: 4480

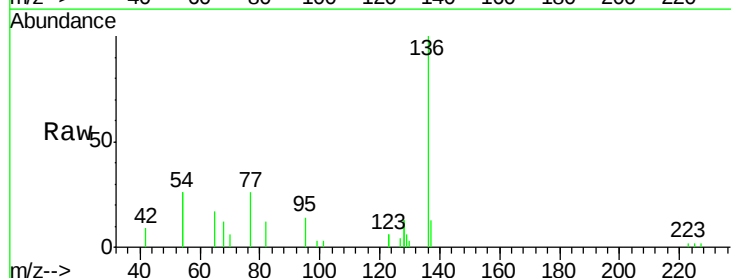
Ion Ratio Lower Upper

136 100

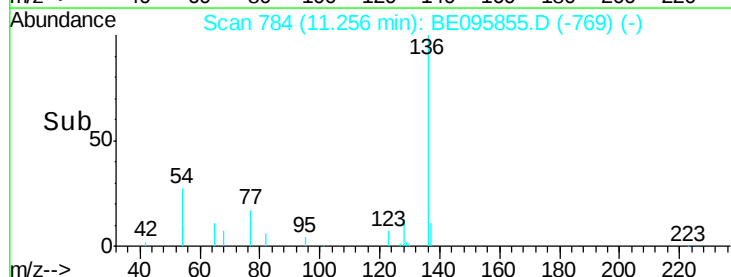
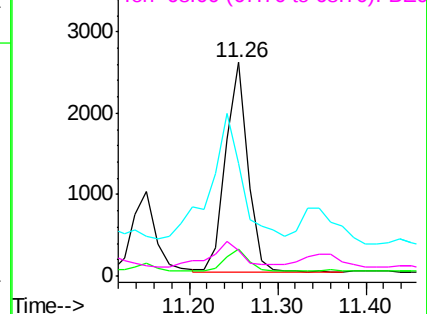
137 12.7 9.5 14.3

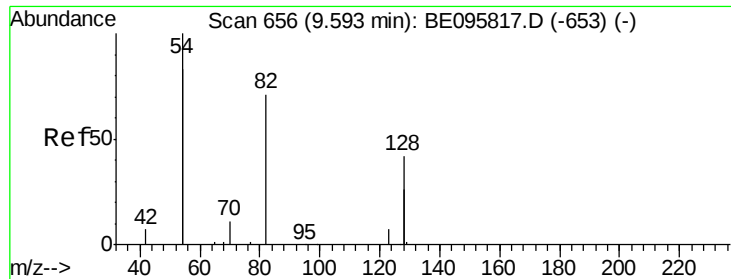
54 52.8 29.1 43.7#

68 11.8 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: 0.479 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampleId :

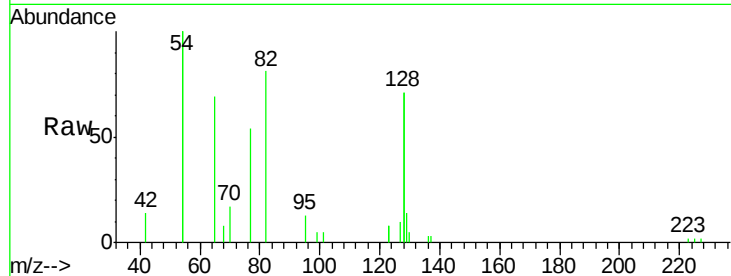
Tot Ion: 82 Resp: 2537

Ion Ratio Lower Upper

82 100

128 173.8 150.0 225.0

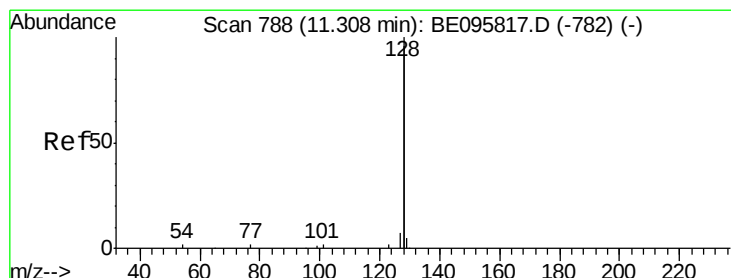
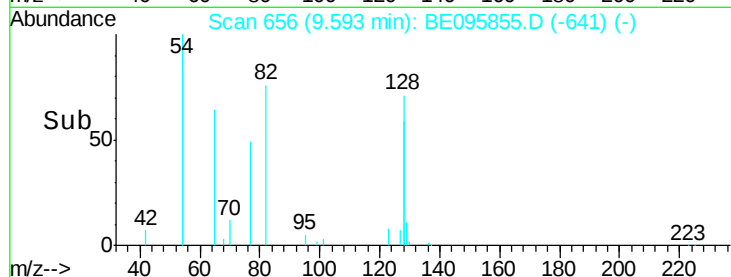
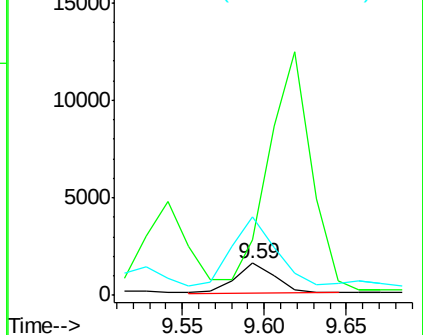
54 246.4 154.2 231.4#



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: 1.214 ng

RT: 11.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

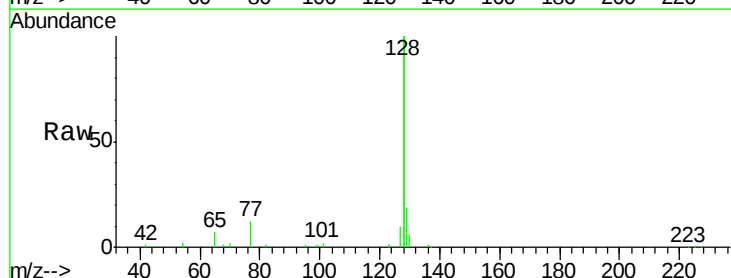
Tgt Ion: 128 Resp: 62140

Ion Ratio Lower Upper

128 100

129 9.5 2.6 3.8#

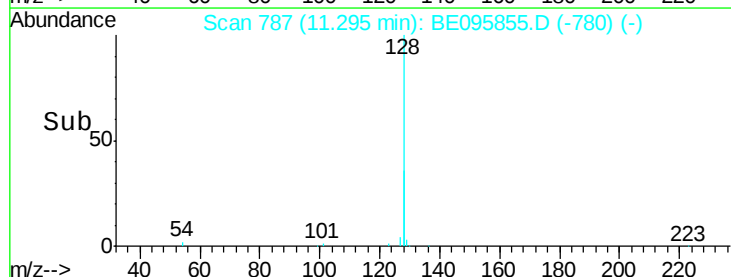
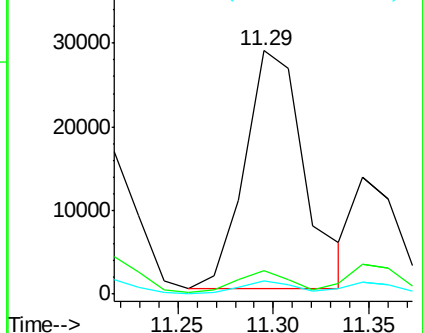
127 5.2 2.8 4.2#

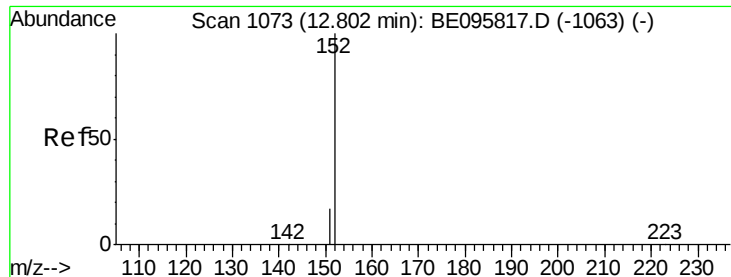


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

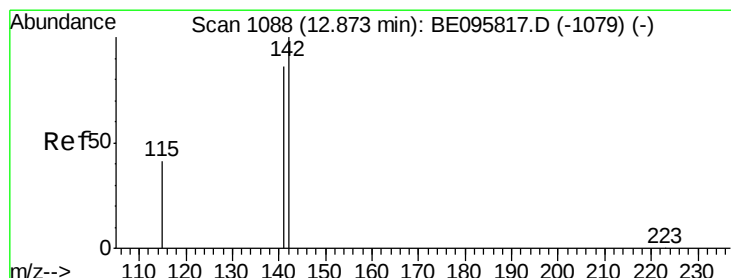
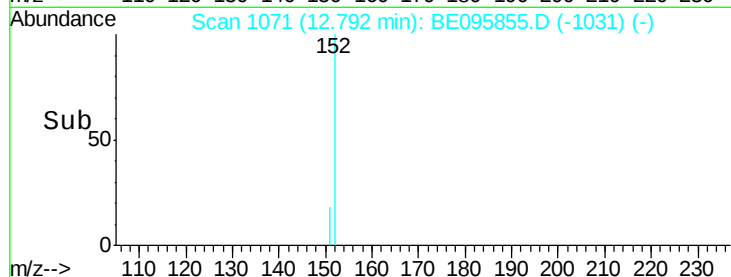
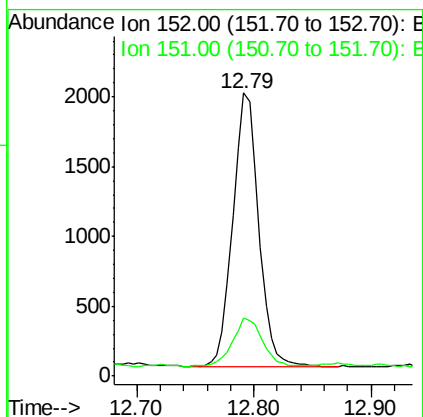
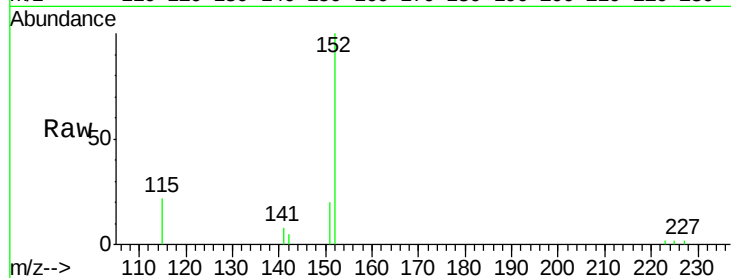




#11
 2-Methylnaphthalene-d10
 Concen: 0.407 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095855.D
 Acq: 27 Mar 2018 1:08

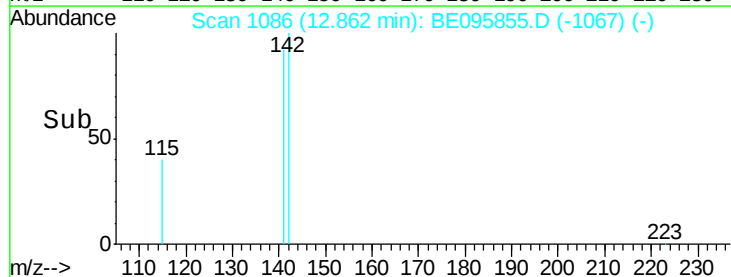
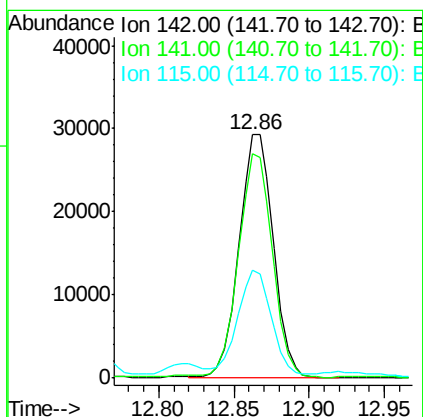
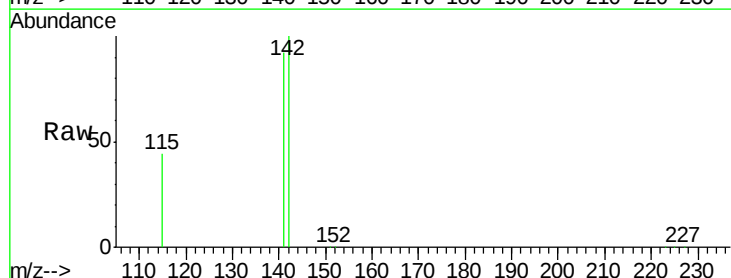
Instrument :
 BNA_E
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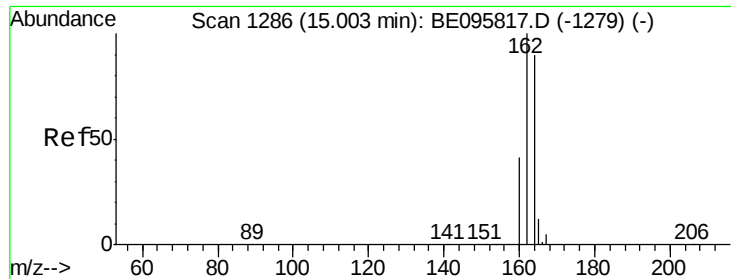
Tot Ion:152 Resp: 3042
 Ion Ratio Lower Upper
 152 100
 151 21.5 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 5.291 ng
 RT: 12.86 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE095855.D
 Acq: 27 Mar 2018 1:08

Tgt Ion:142 Resp: 46235
 Ion Ratio Lower Upper
 142 100
 141 92.0 70.4 105.6
 115 44.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampleId :

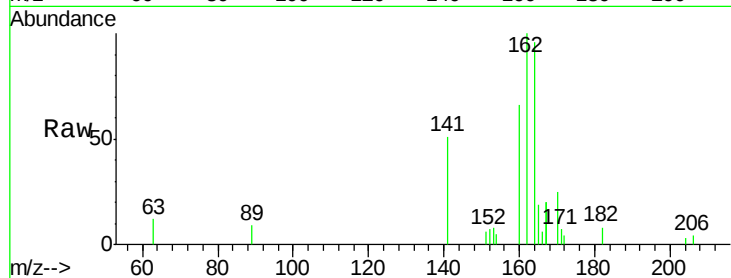
Tot Ion:164 Resp: 2536

Ion Ratio Lower Upper

164 100

162 103.8 83.1 124.7

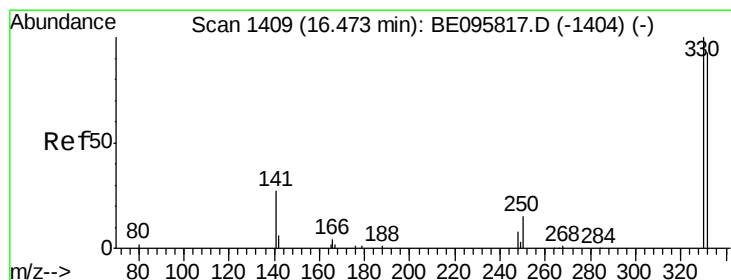
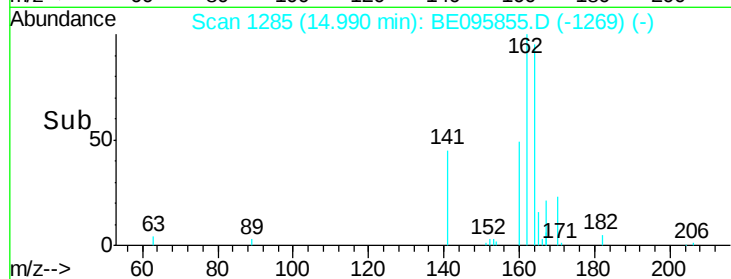
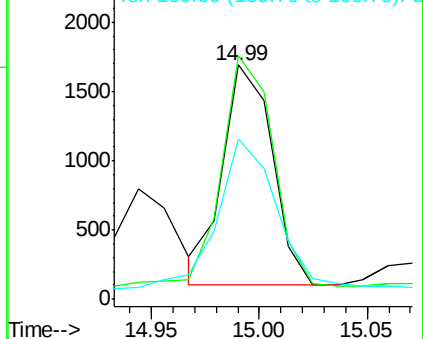
160 68.5 37.1 55.7#



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: 0.467 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

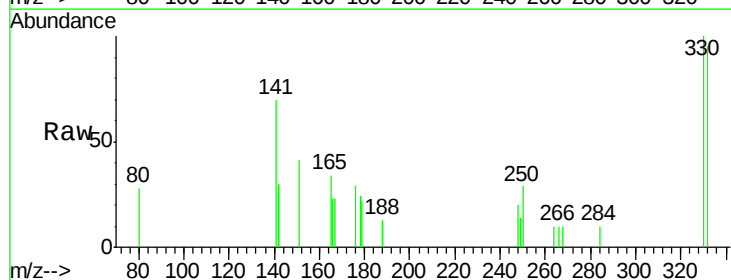
Tgt Ion:330 Resp: 683

Ion Ratio Lower Upper

330 100

332 96.8 152.7 229.1#

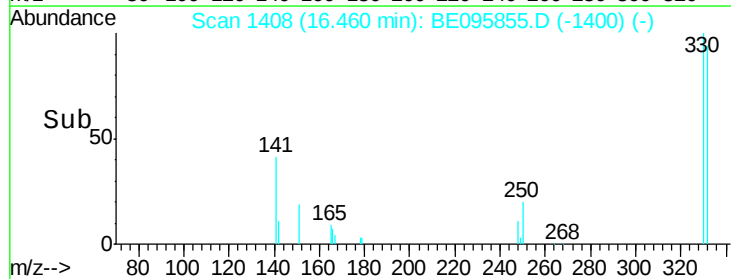
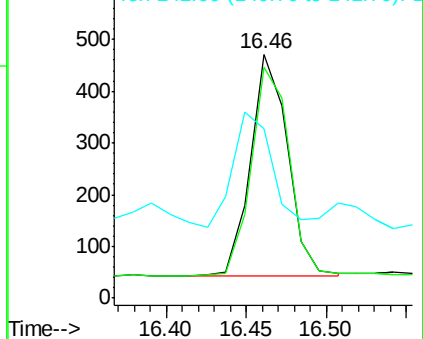
141 54.9 33.7 50.5#

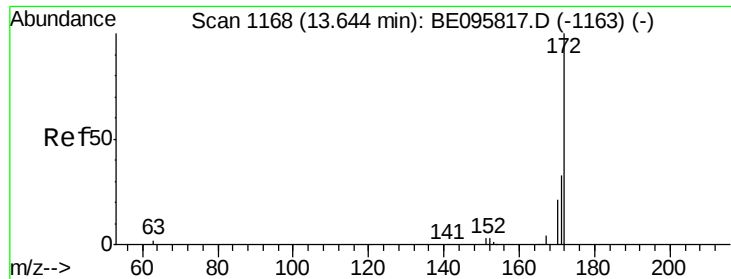


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

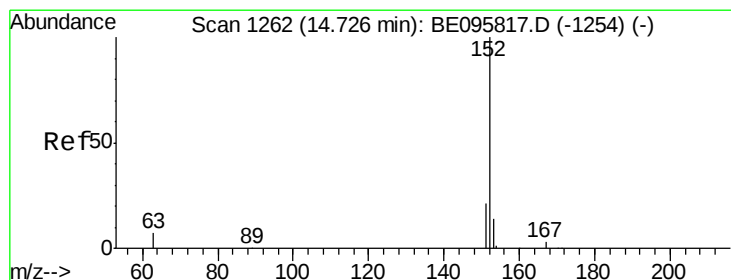
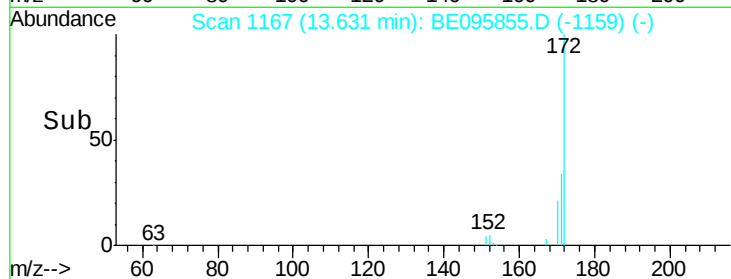
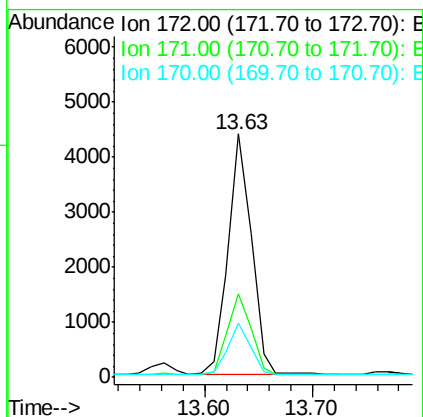
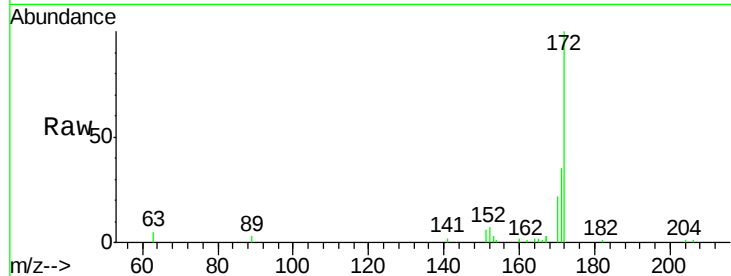




#15
2-Fluorobiphenyl
Concen: 0.610 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095855.D
Acq: 27 Mar 2018 1:08

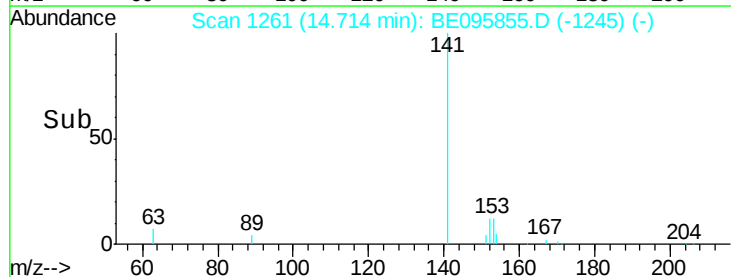
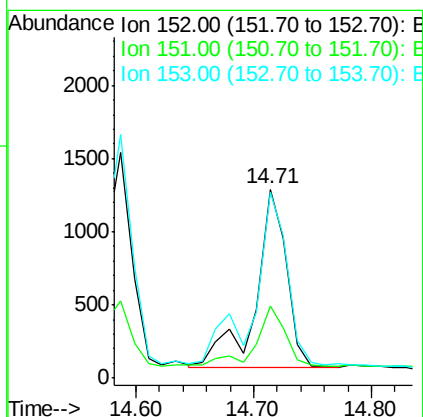
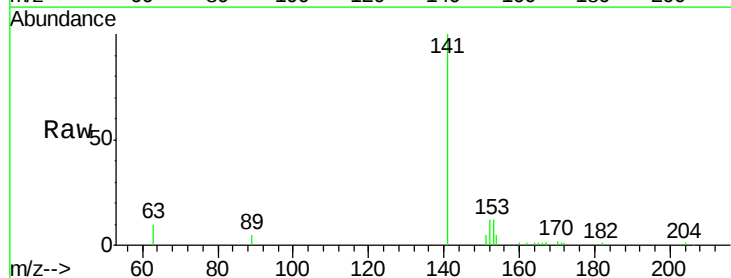
Instrument :
BNA_E
ClientSampleId :

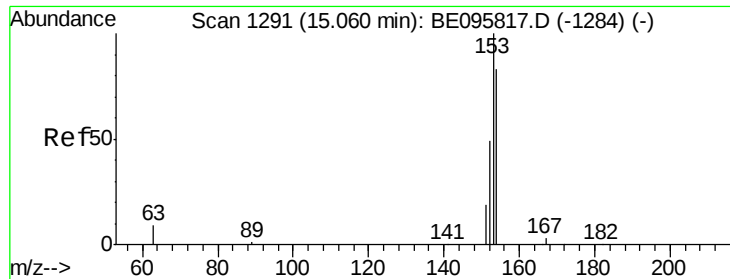
Tot Ion:172 Resp: 6519
Ion Ratio Lower Upper
172 100
171 34.5 29.9 44.9
170 22.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.153 ng
RT: 14.71 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BE095855.D
Acq: 27 Mar 2018 1:08

Tgt Ion:152 Resp: 2224
Ion Ratio Lower Upper
152 100
151 32.9 15.7 23.5#
153 113.6 10.5 15.7#

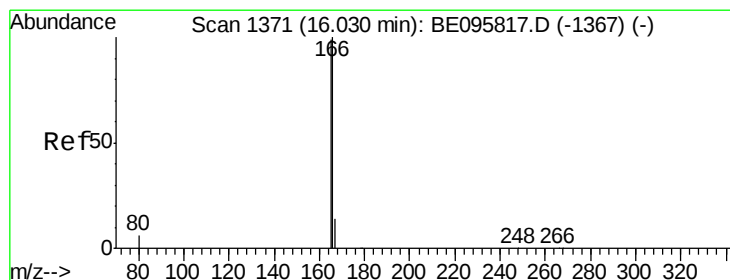
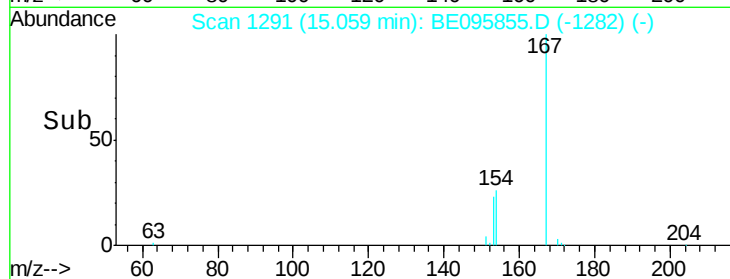
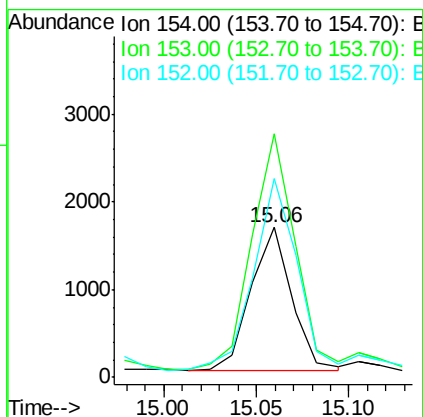
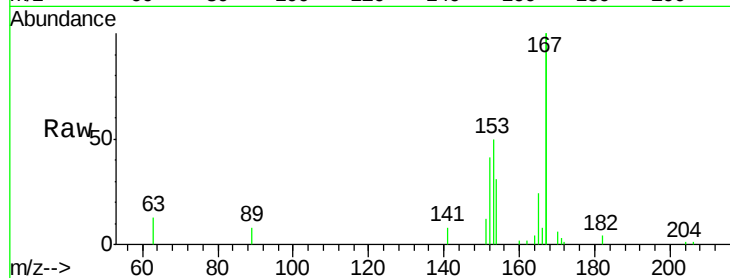




#17
Acenaphthene
Concen: 0.280 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095855.D
Acq: 27 Mar 2018 1:08

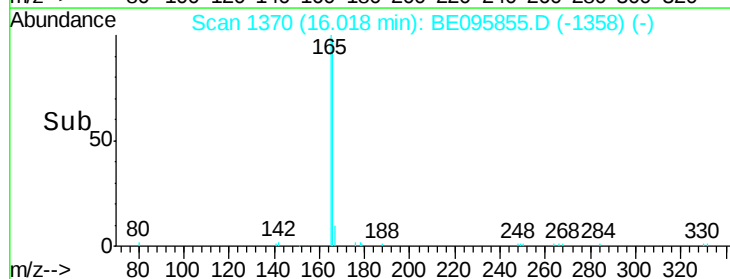
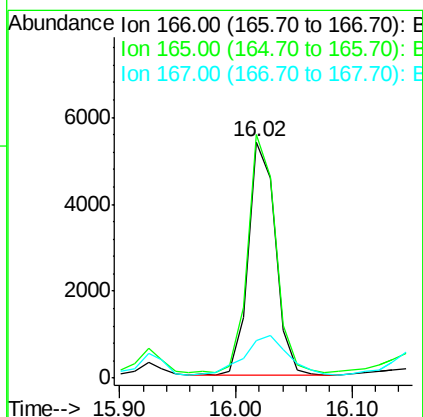
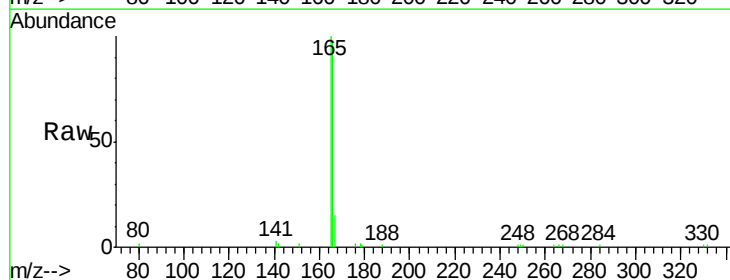
Instrument :
BNA_E
ClientSampleId :

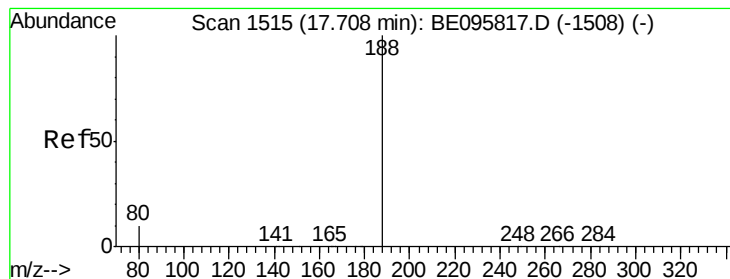
Tot Ion:154 Resp: 2477
Ion Ratio Lower Upper
154 100
153 173.8 89.2 133.8#
152 144.2 42.0 63.0#



#18
Fluorene
Concen: 0.746 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095855.D
Acq: 27 Mar 2018 1:08

Tgt Ion:166 Resp: 8685
Ion Ratio Lower Upper
166 100
165 104.5 77.8 116.6
167 26.2 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampleId :

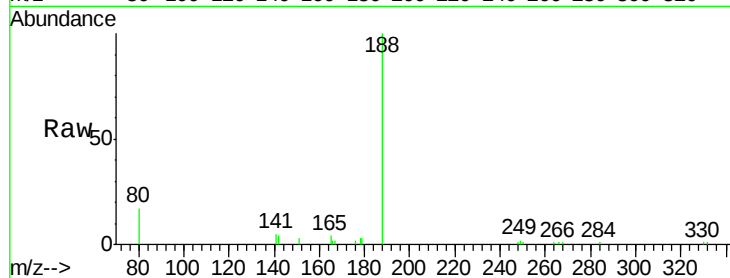
Tot Ion:188 Resp: 6085

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

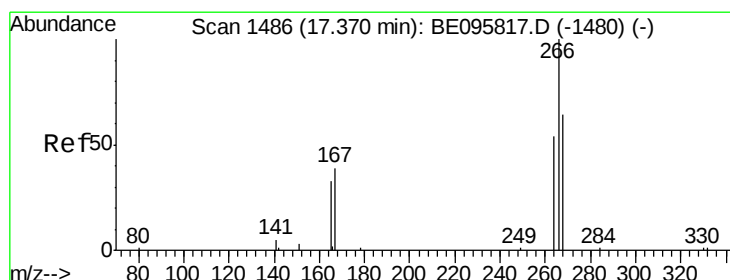
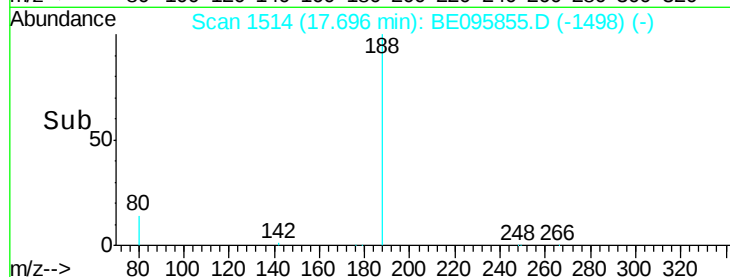
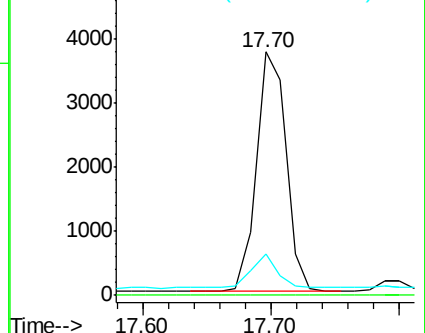
80 16.7 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.171 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

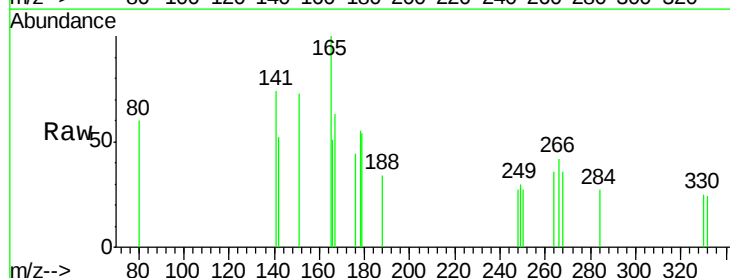
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

264 86.3 72.5 108.7

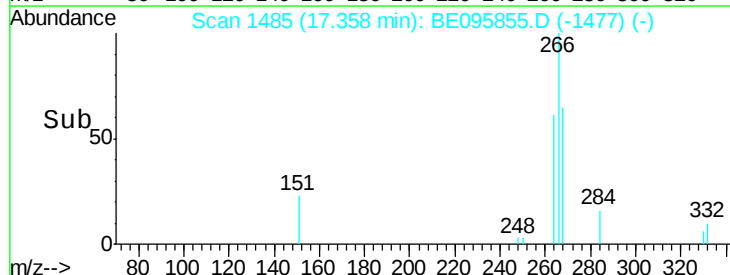
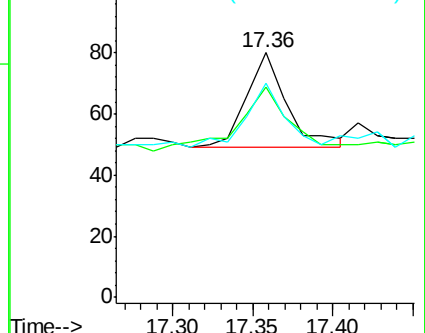
268 87.5 73.8 110.6

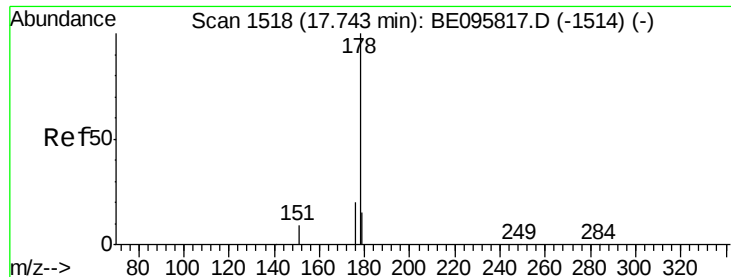


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.158 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampled :

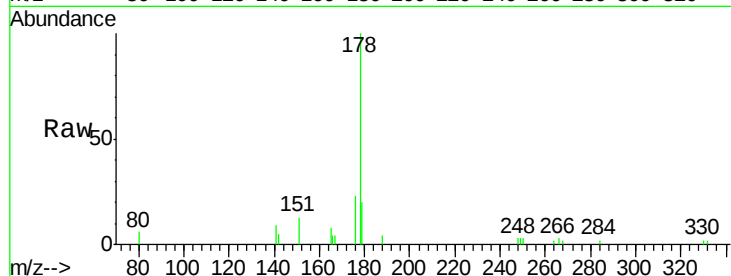
Tot Ion:178 Resp: 2876

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

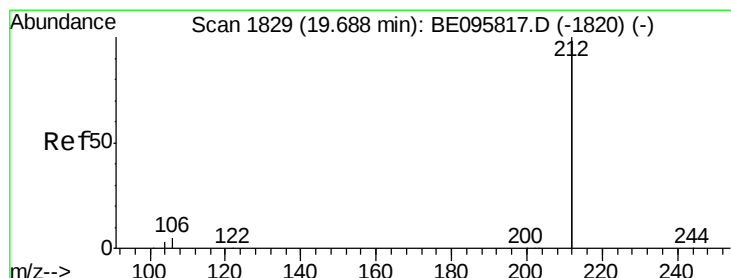
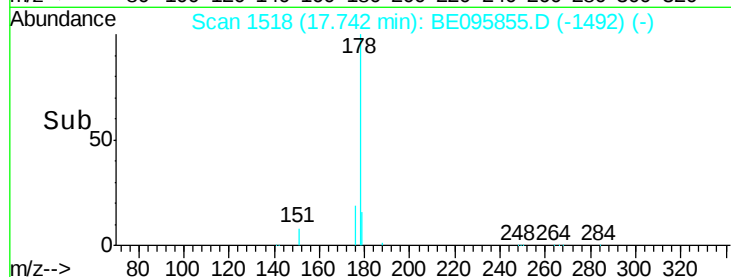
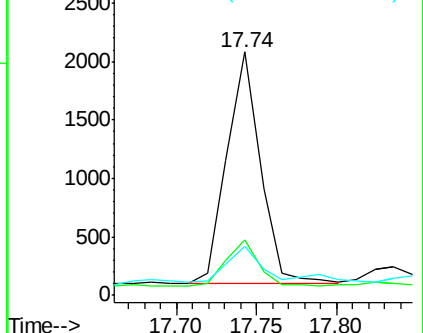
179 19.3 11.8 17.6#



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



#25

Fluoranthene-d10

Concen: 0.386 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

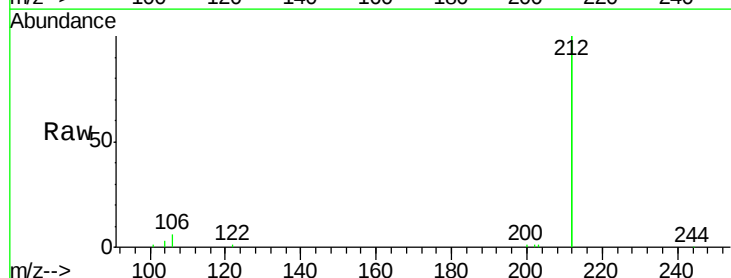
Tgt Ion:212 Resp: 34886

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

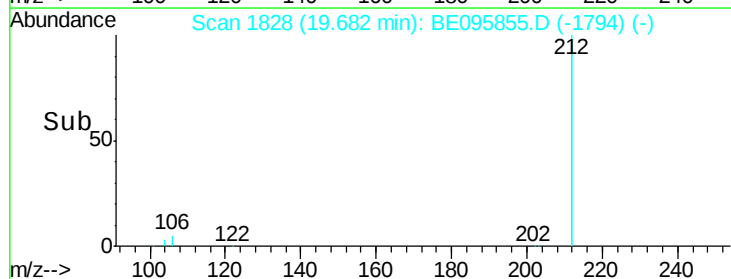
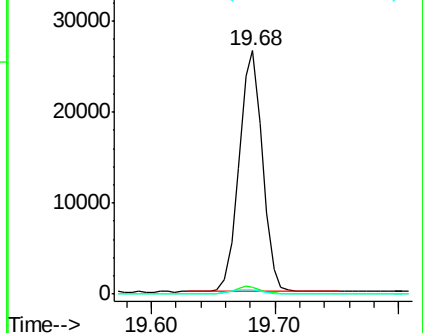
104 1.7 1.6 2.4

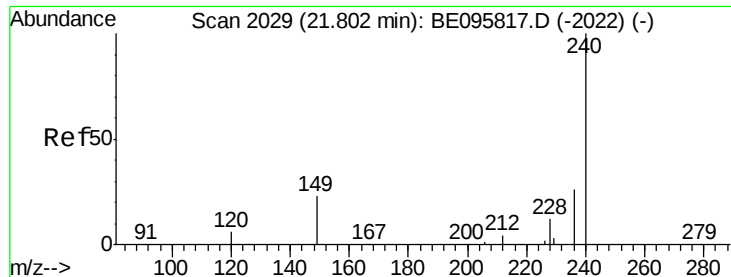


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampleId :

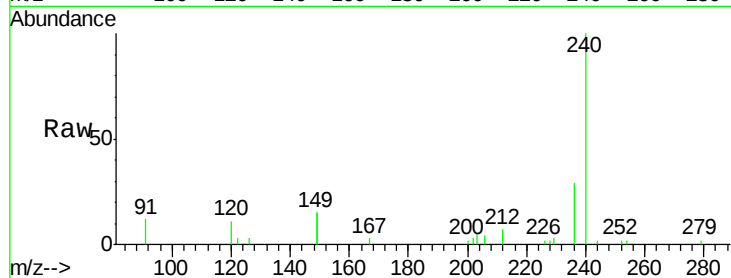
Tot Ion:240 Resp: 6830

Ion Ratio Lower Upper

240 100

120 10.9 5.5 8.3#

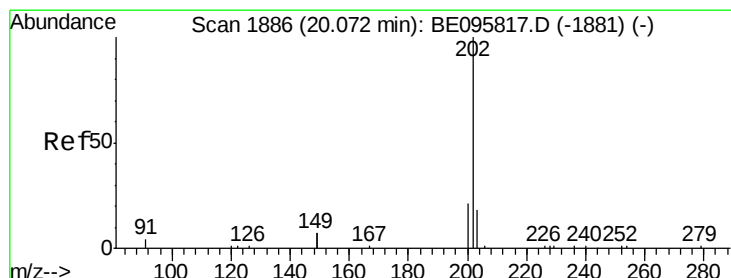
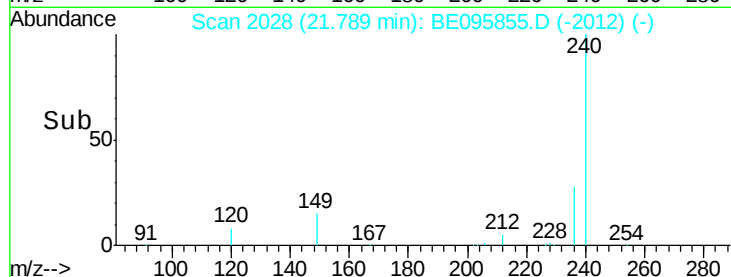
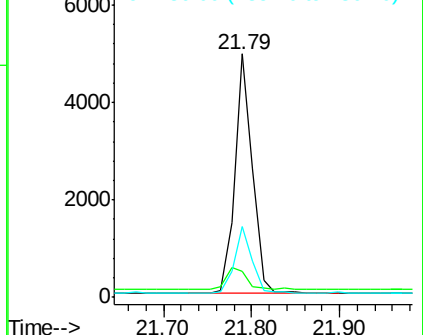
236 29.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.023 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

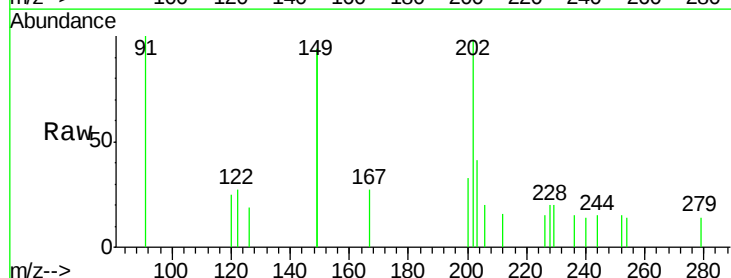
Tgt Ion:202 Resp: 630

Ion Ratio Lower Upper

202 100

200 22.5 16.6 25.0

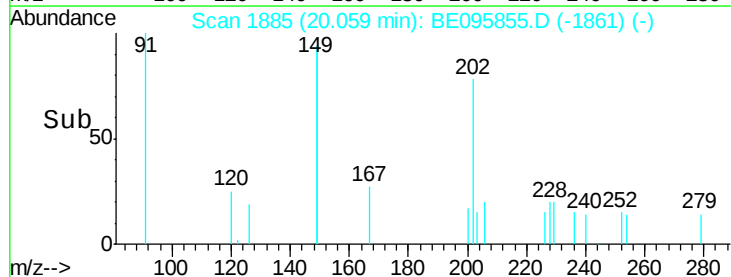
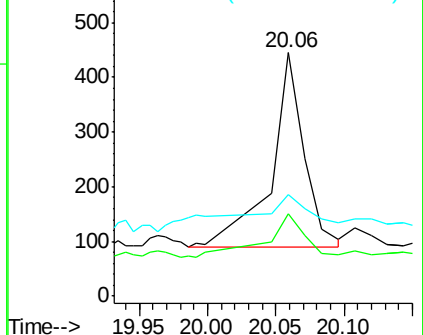
203 37.8 13.8 20.8#

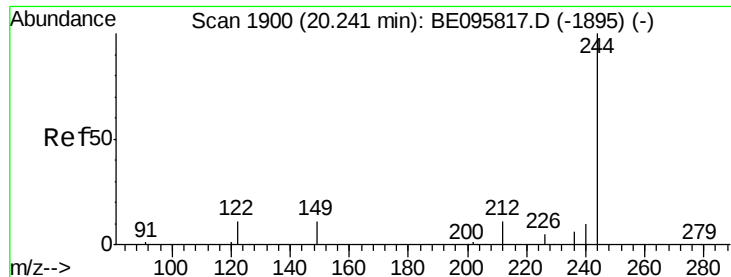


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.639 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampleId :

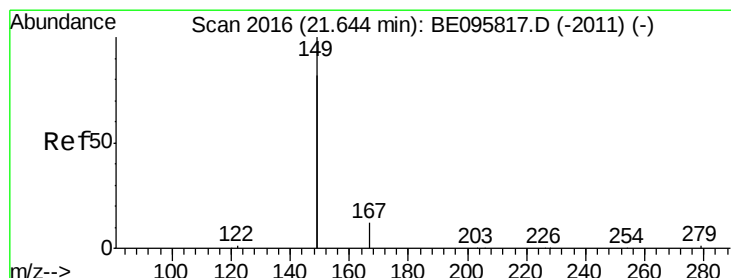
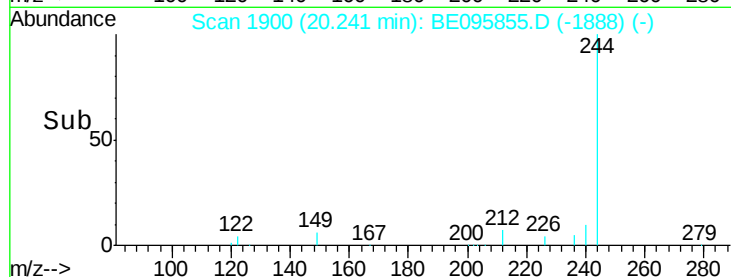
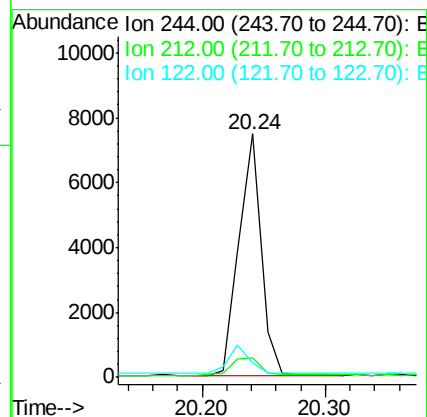
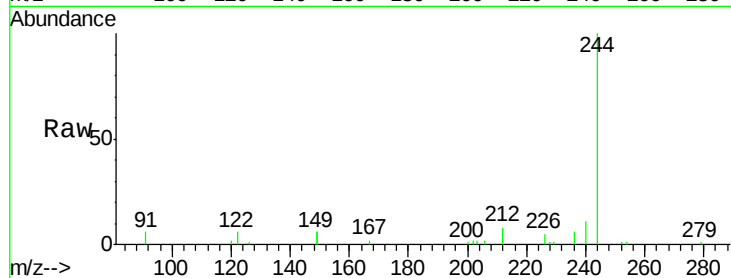
Tot Ion:244 Resp: 9273

Ion Ratio Lower Upper

244 100

212 7.9 25.4 38.0#

122 5.8 8.1 12.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.309 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

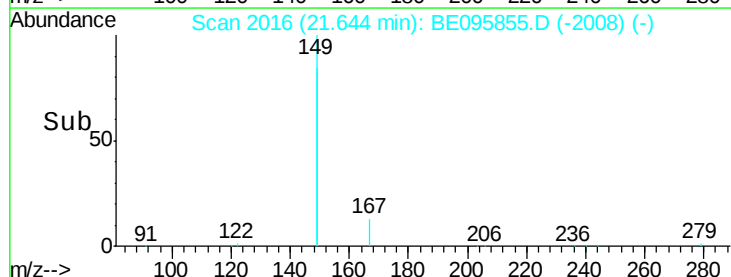
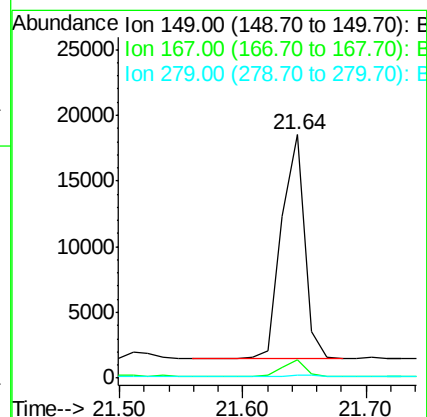
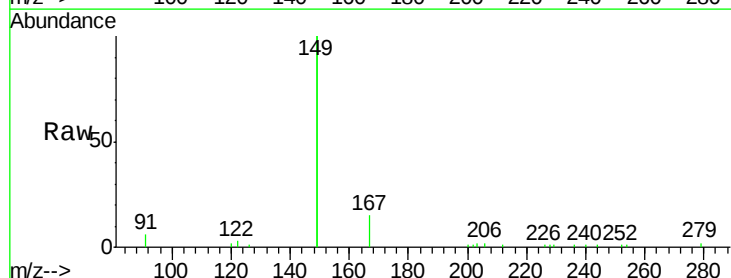
Tgt Ion:149 Resp: 22379

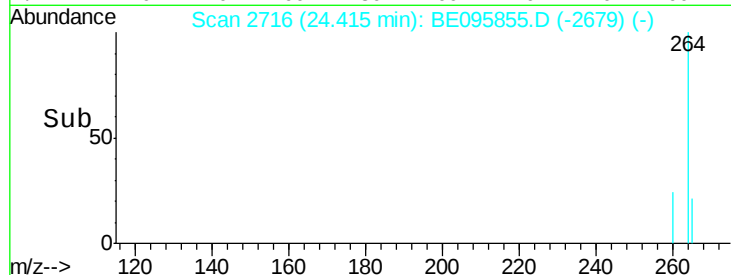
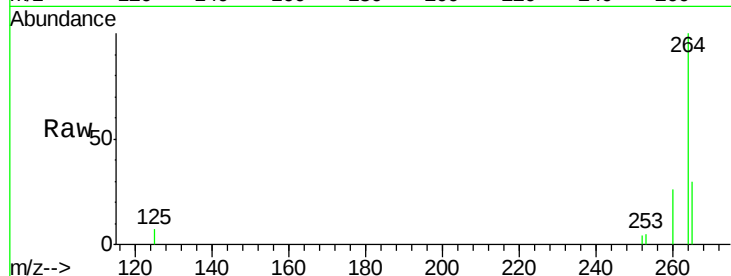
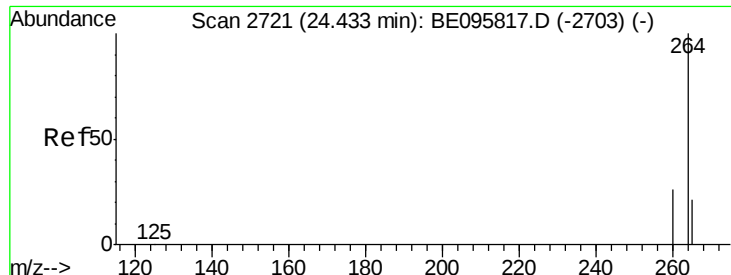
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.9 0.7 1.1





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.41 min Scan# 2716

Delta R.T. -0.02 min

Lab File: BE095855.D

Acq: 27 Mar 2018 1:08

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 6711

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

265 29.7 22.8 34.2

