

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095856.D
 Acq On : 27 Mar 2018 1:44
 Operator : SJ/JU
 Sample : J1994-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 05:44:54 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	1110	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4302	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	3287	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	5843	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6714	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6828	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	994	0.27	ng	0.00
5) Phenol-d6	7.57	99	735	0.15	ng	0.00
8) Nitrobenzene-d5	9.59	82	2686	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2966	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.46	330	648	0.34	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	5936	0.43	ng	-0.01
25) Fluoranthene-d10	19.68	212	35900	0.41	ng	0.00
29) Terphenyl-d14	20.24	244	8449	0.59	ng	0.00

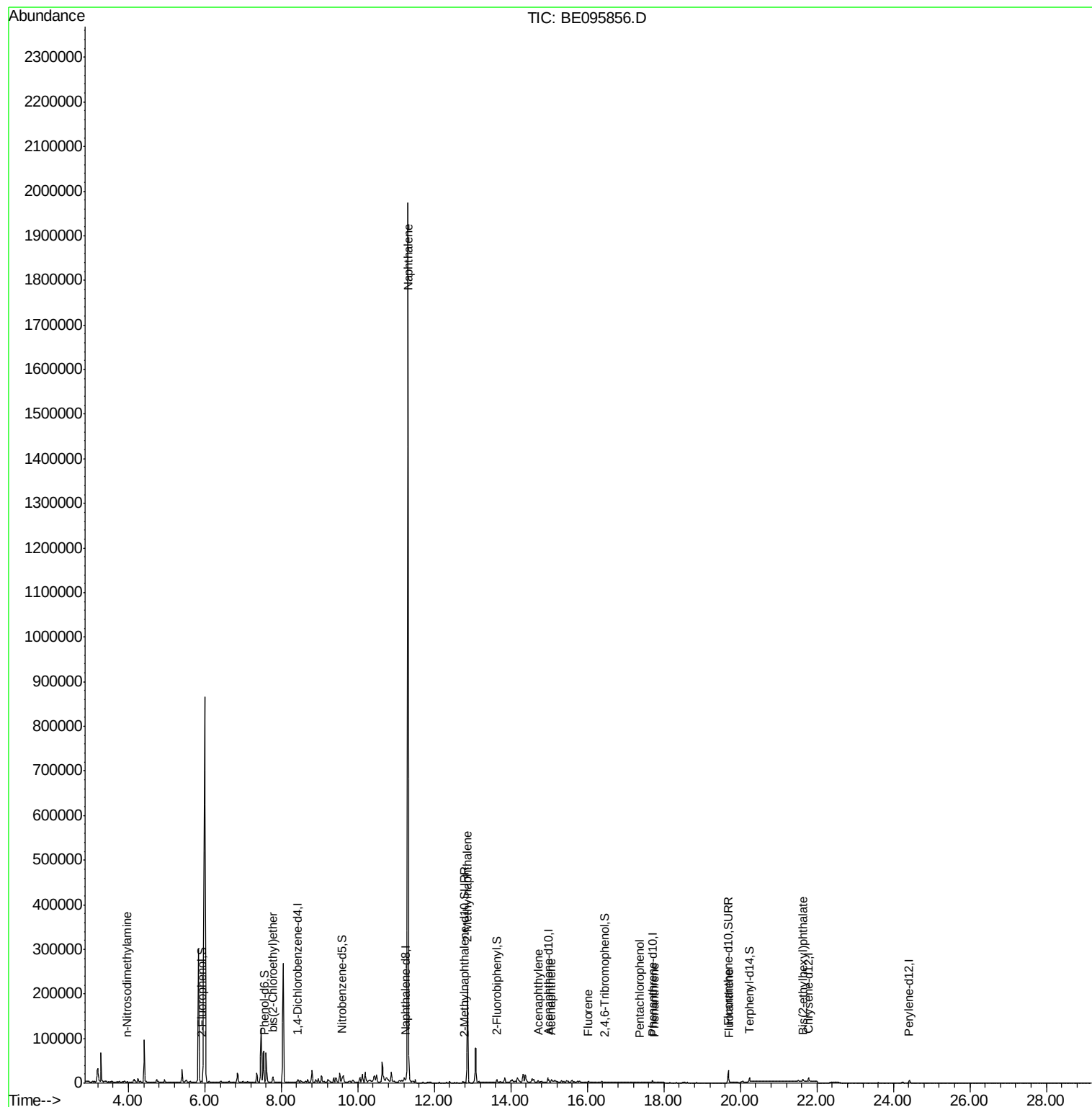
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.98	42	657	0.246	ng	# 1
6) bis(2-Chloroethyl)ether	7.78	93	288	0.066	ng	# 1
9) Naphthalene	11.31	128	3220133	65.535	ng	99
12) 2-Methylnaphthalene	12.86	142	143861	17.143	ng	95
16) Acenaphthylene	14.72	152	579	0.031	ng	# 1
17) Acenaphthene	15.06	154	857	0.075	ng	# 50
18) Fluorene	16.02	166	2245	0.149	ng	# 79
22) Pentachlorophenol	17.36	266	69	0.183	ng	96
23) Phenanthrene	17.74	178	1115	0.064	ng	# 86
26) Fluoranthene	19.71	202	594	0.024	ng	95
32) Bis(2-ethylhexyl)phthalate	21.64	149	5195	0.073	ng	# 98

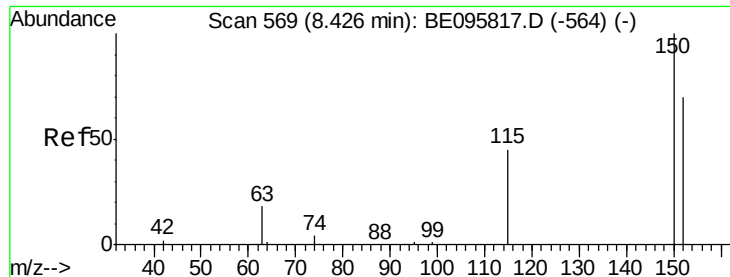
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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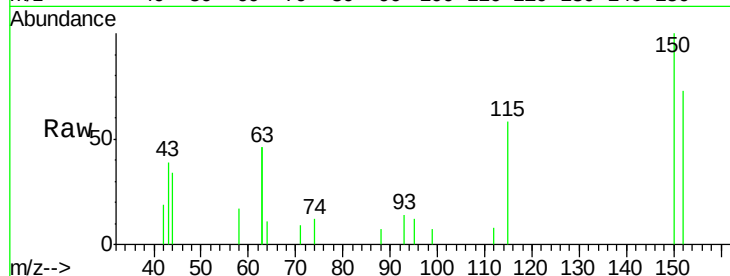


#1

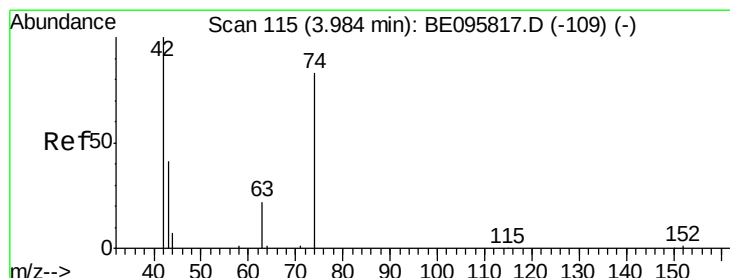
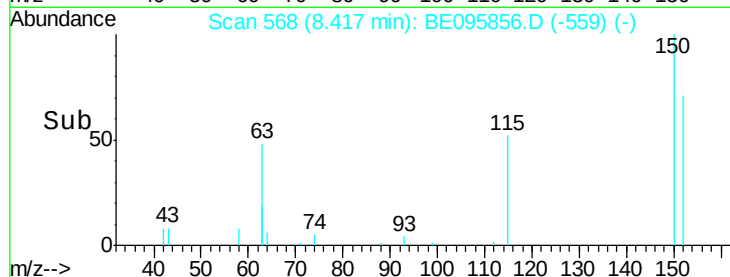
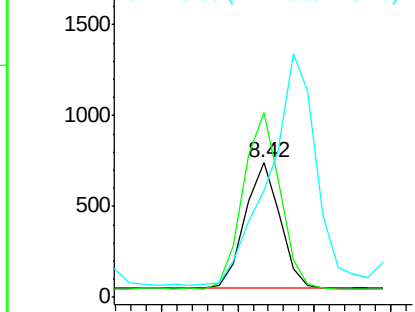
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095856.D
Acq: 27 Mar 2018 1:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1110
Ion Ratio Lower Upper
152 100
150 137.5 117.2 175.8
115 79.8 57.0 85.6



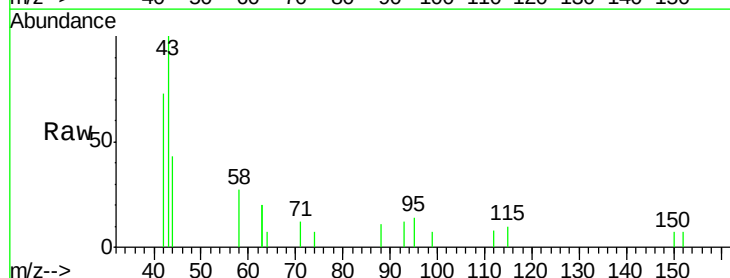
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



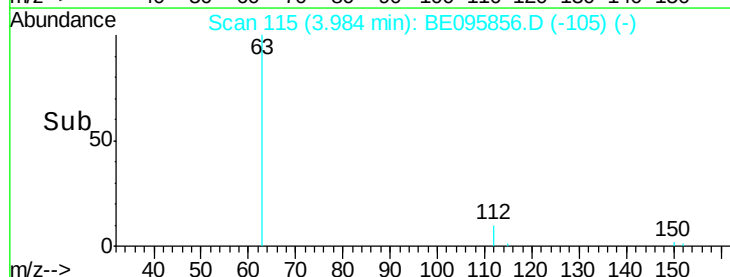
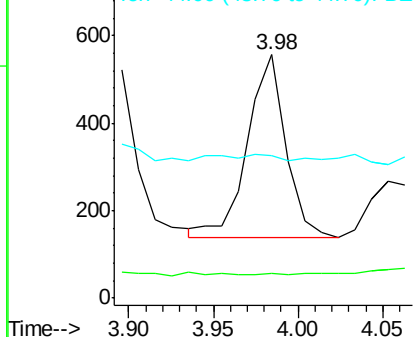
#3

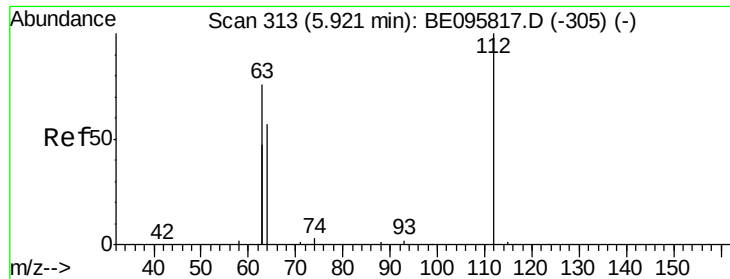
n-Nitrosodimethylamine
Concen: 0.246 ng
RT: 3.98 min Scan# 115
Delta R.T. 0.00 min
Lab File: BE095856.D
Acq: 27 Mar 2018 1:44

Tgt Ion: 42 Resp: 657
Ion Ratio Lower Upper
42 100
74 0.8 96.0 144.0#
44 0.0 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





#4

2-Fluorophenol

Concen: 0.272 ng

RT: 5.92 min Scan# 313

Delta R.T. 0.00 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampled :

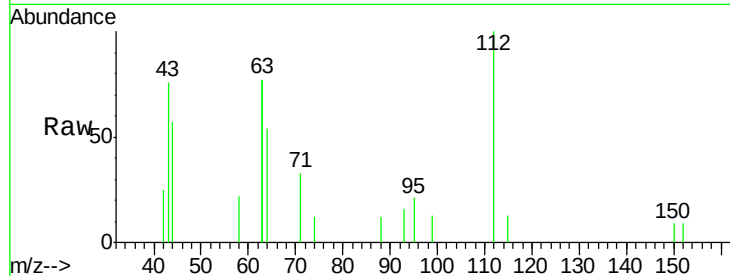
Tot Ion:112 Resp: 994

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

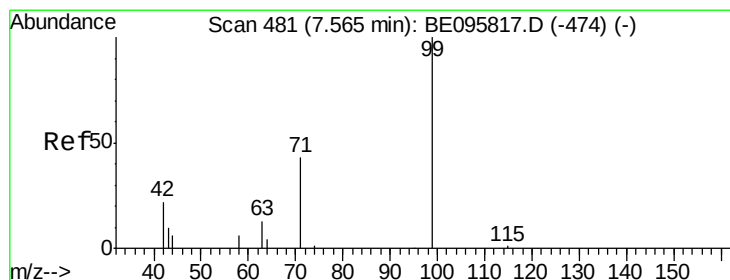
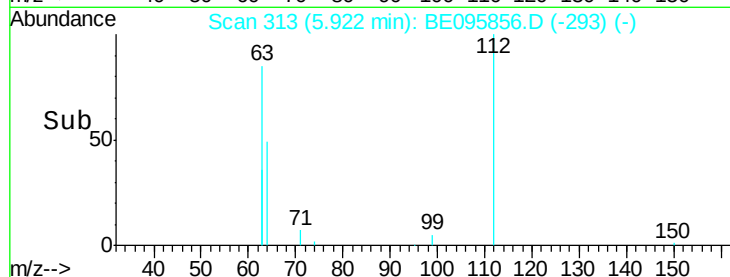
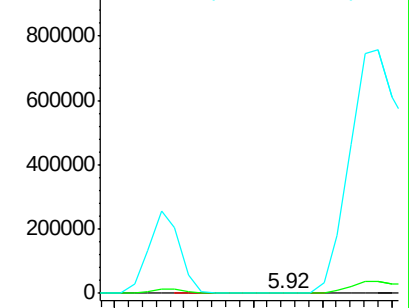
63 0.0 116.8 175.2#



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: 0.146 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.00 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

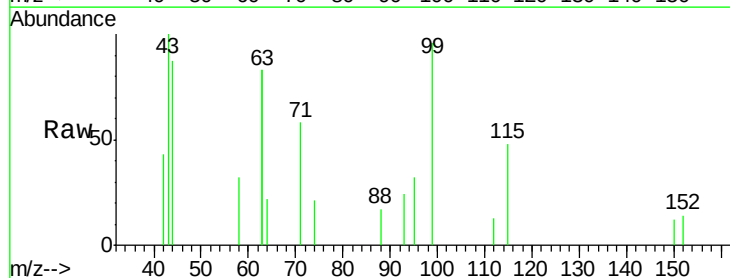
Tgt Ion: 99 Resp: 735

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

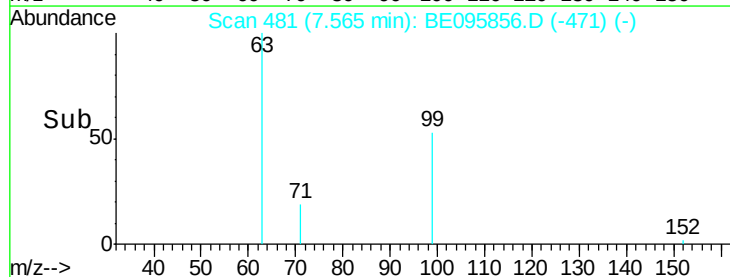
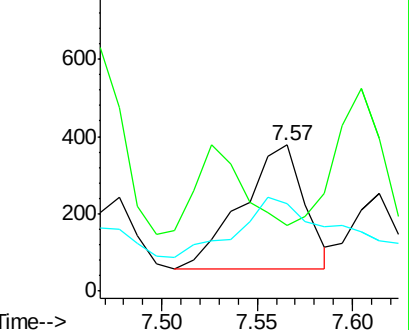
71 69.8 28.4 42.6#

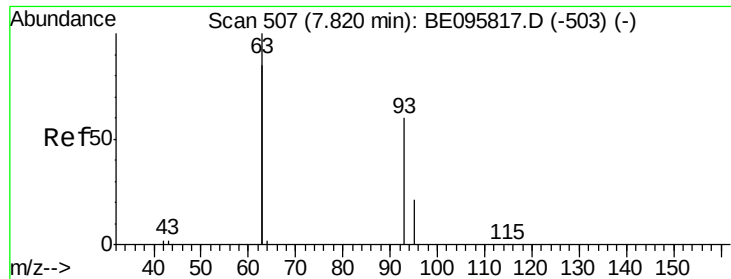


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.066 ng

RT: 7.78 min Scan# 503

Delta R.T. -0.04 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

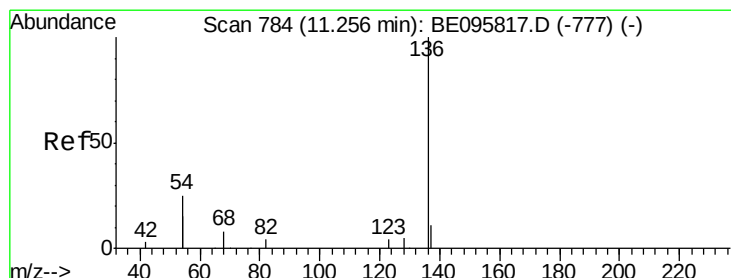
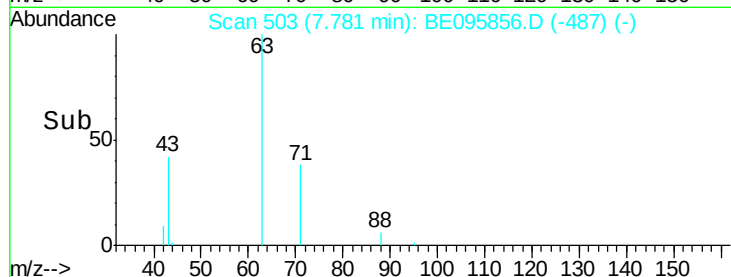
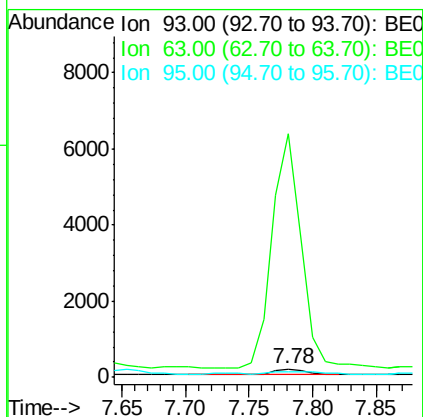
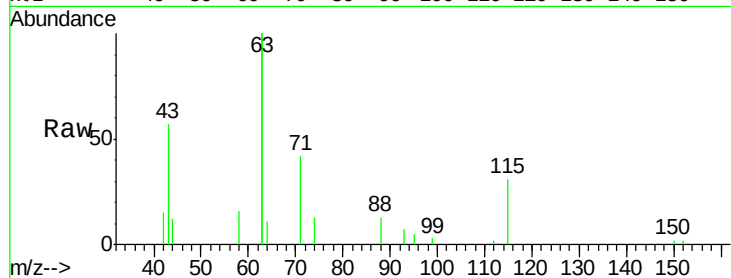
BNA_E

ClientSampleId :

Tot Ion: 93 Resp: 288

Ion Ratio Lower Upper

93	100		
63	3413.9	275.3	412.9#
95	64.2	25.2	37.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.00 min

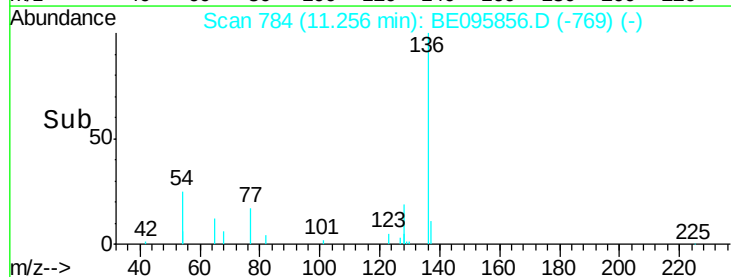
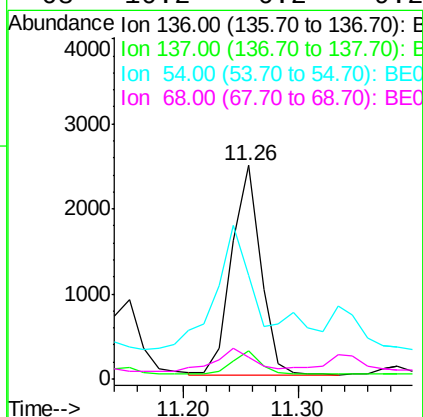
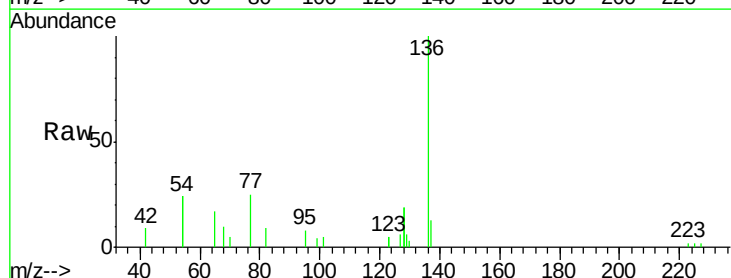
Lab File: BE095856.D

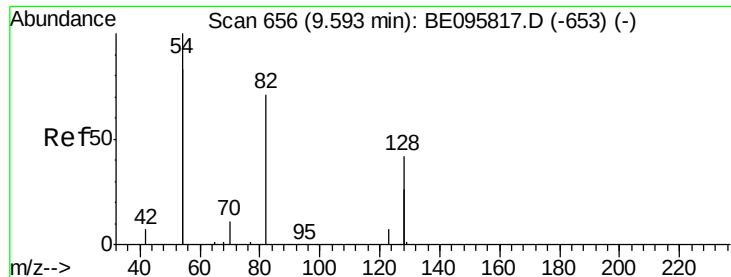
Acq: 27 Mar 2018 1:44

Tgt Ion: 136 Resp: 4302

Ion Ratio Lower Upper

136	100		
137	13.1	9.5	14.3
54	48.4	29.1	43.7#
68	10.2	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.528 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampleId :

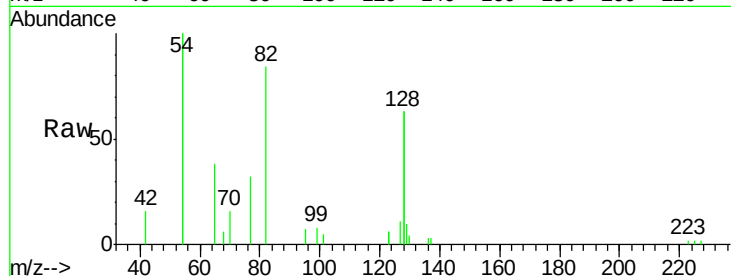
Tot Ion: 82 Resp: 2686

Ion Ratio Lower Upper

82 100

128 150.1 150.0 225.0

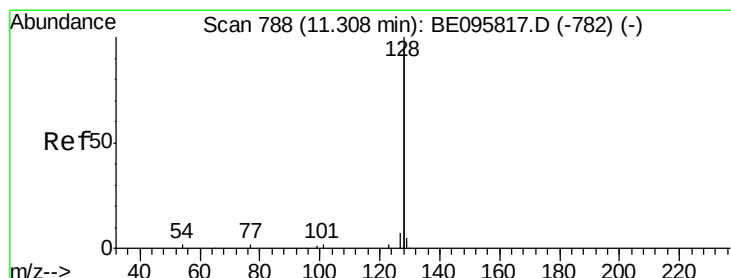
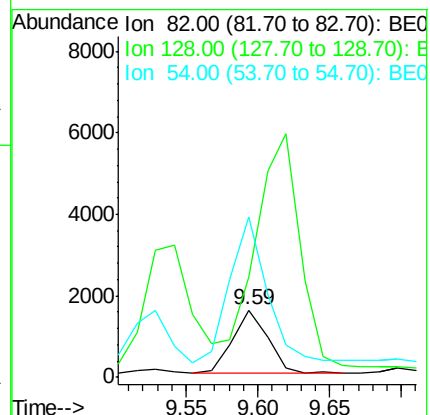
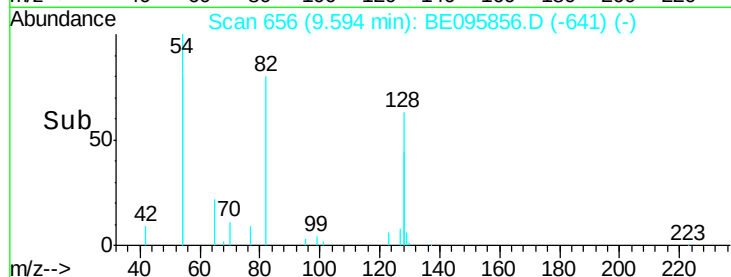
54 238.1 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095817.D (-653) (-)

Ion 128.00 (127.70 to 128.70): BE095817.D (-653) (-)

Ion 54.00 (53.70 to 54.70): BE095817.D (-653) (-)



#9

Naphthalene

Concen: 65.535 ng

RT: 11.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

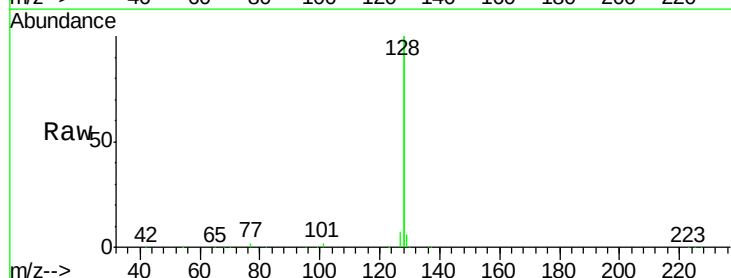
Tgt Ion: 128 Resp: 3220133

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

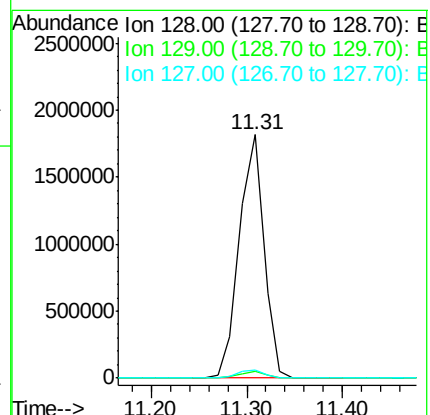
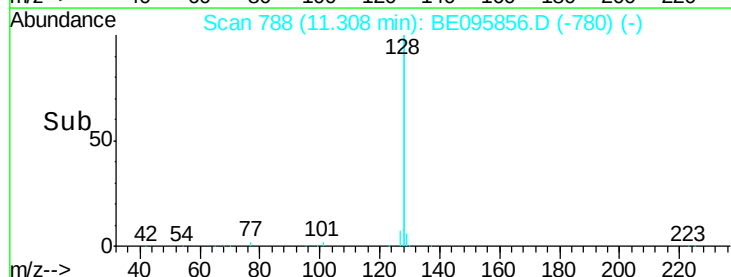
127 3.4 2.8 4.2

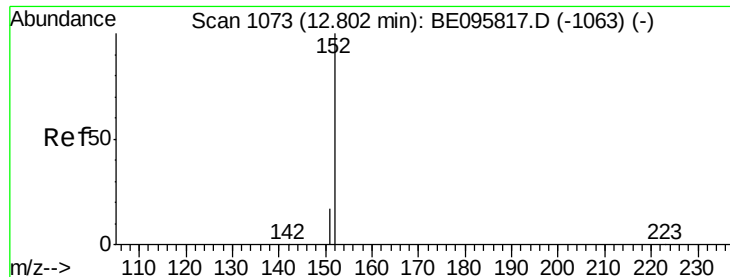


Abundance Ion 128.00 (127.70 to 128.70): BE095817.D (-782) (-)

Ion 129.00 (128.70 to 129.70): BE095817.D (-782) (-)

Ion 127.00 (126.70 to 127.70): BE095817.D (-782) (-)

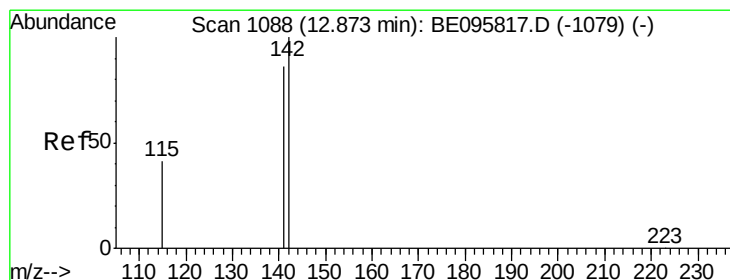
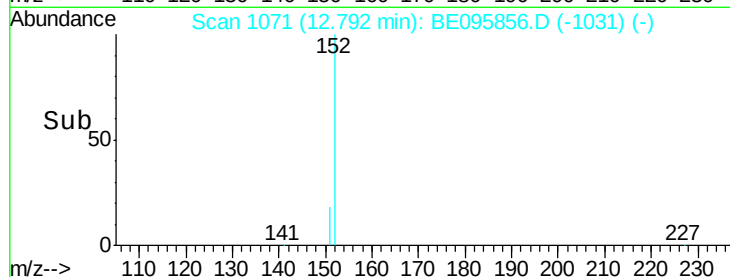
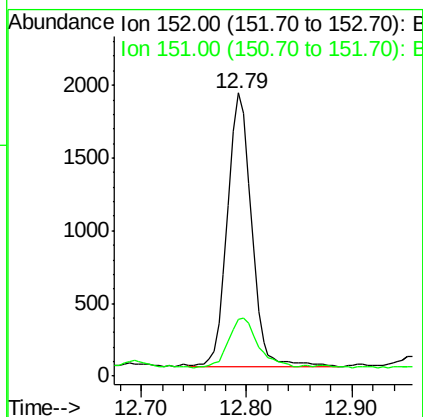
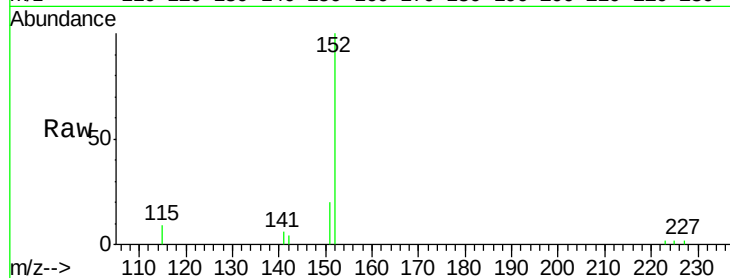




#11
 2-Methylnaphthalene-d10
 Concen: 0.413 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095856.D
 Acq: 27 Mar 2018 1:44

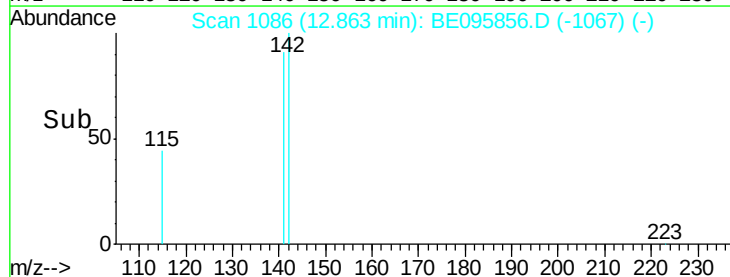
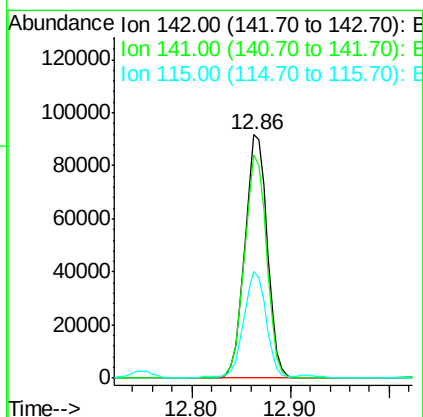
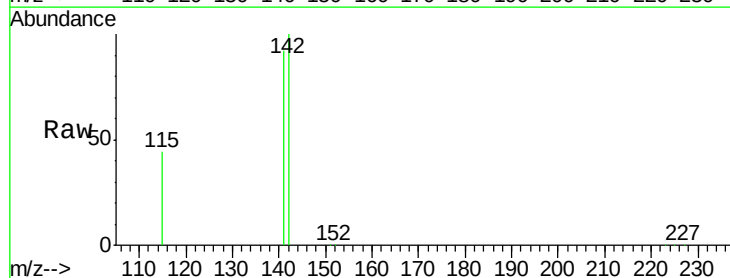
Instrument :
 BNA_E
 ClientSampleId :

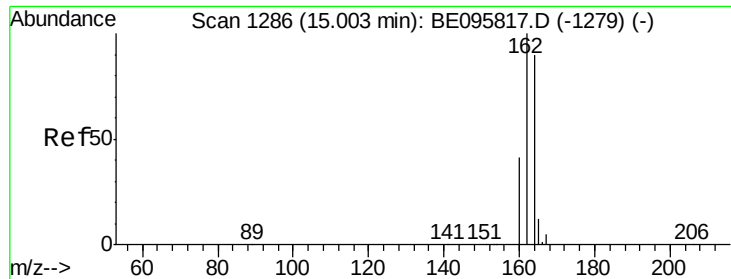
Tot Ion:152 Resp: 2966
 Ion Ratio Lower Upper
 152 100
 151 22.3 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 17.143 ng
 RT: 12.86 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE095856.D
 Acq: 27 Mar 2018 1:44

Tgt Ion:142 Resp: 143861
 Ion Ratio Lower Upper
 142 100
 141 91.6 70.4 105.6
 115 44.0 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: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampled :

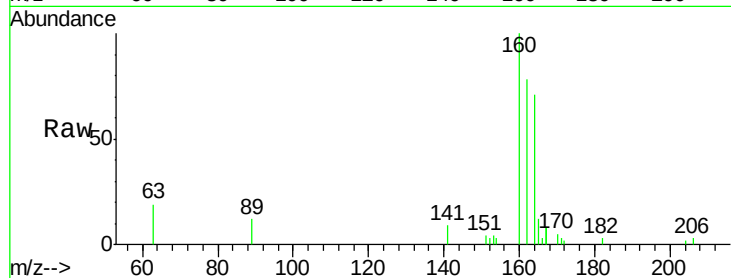
Tot Ion:164 Resp: 3287

Ion Ratio Lower Upper

164 100

162 110.0 83.1 124.7

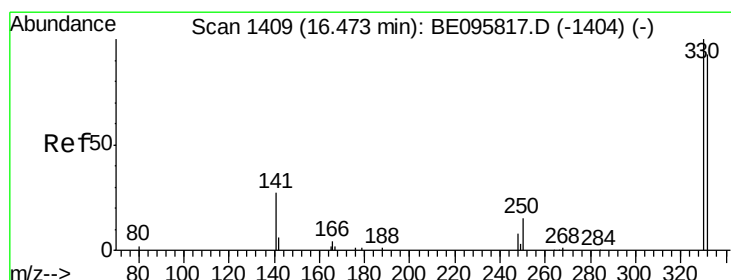
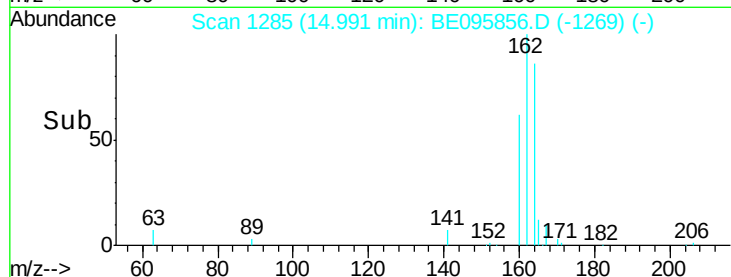
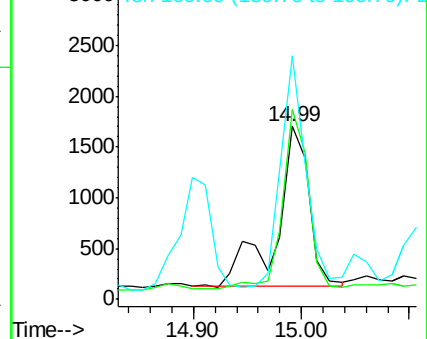
160 140.7 37.1 55.7#



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: 0.342 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

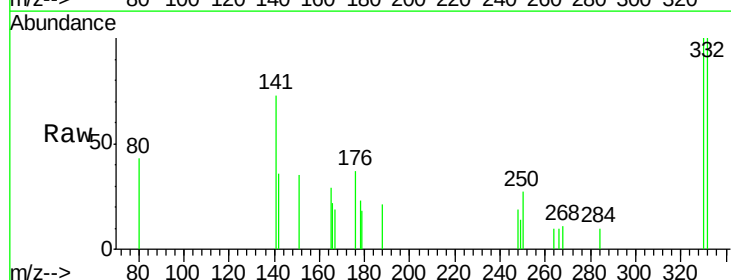
Tgt Ion:330 Resp: 648

Ion Ratio Lower Upper

330 100

332 99.2 152.7 229.1#

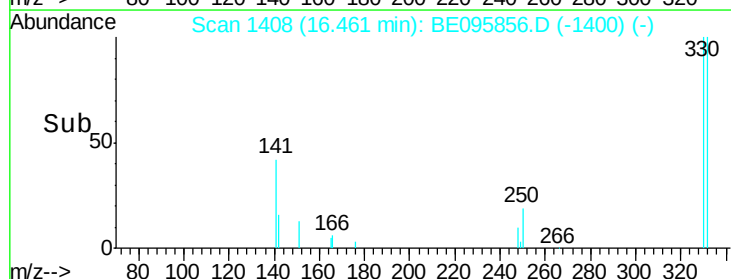
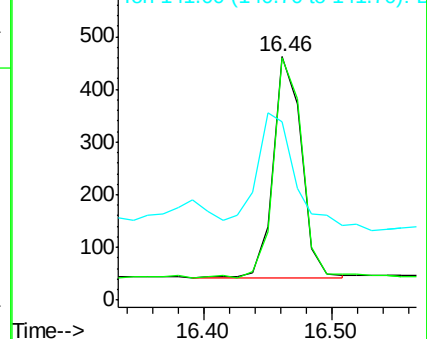
141 65.6 33.7 50.5#

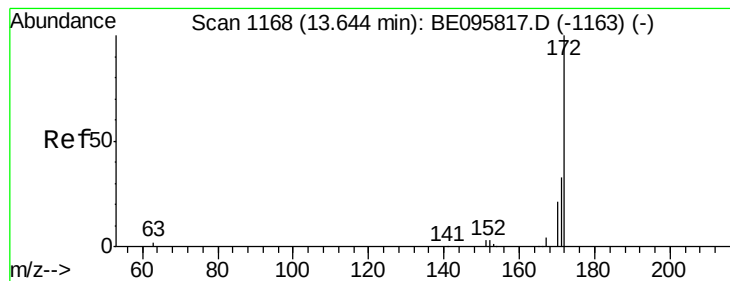


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.428 ng

RT: 13.63 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampled :

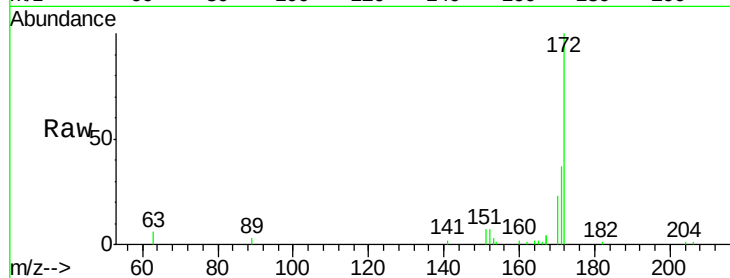
Tot Ion:172 Resp: 5936

Ion Ratio Lower Upper

172 100

171 37.0 29.9 44.9

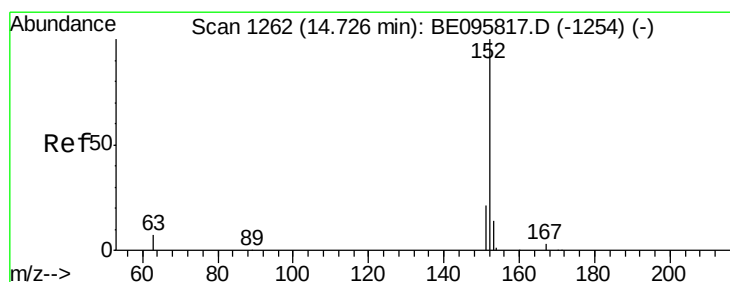
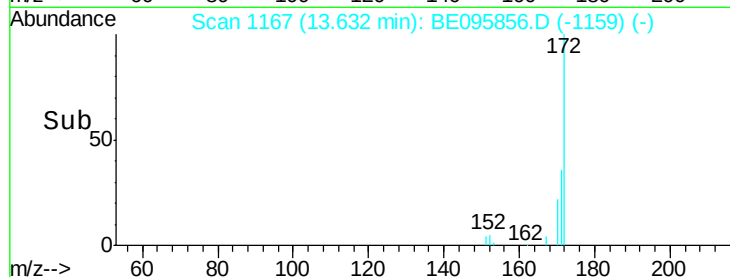
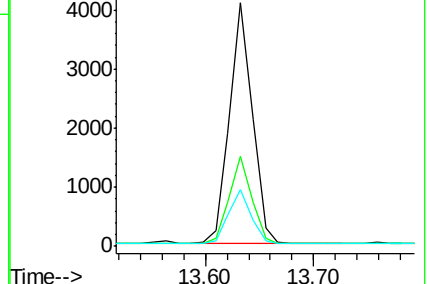
170 23.4 21.8 32.8



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



#16

Acenaphthylene

Concen: 0.031 ng

RT: 14.72 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

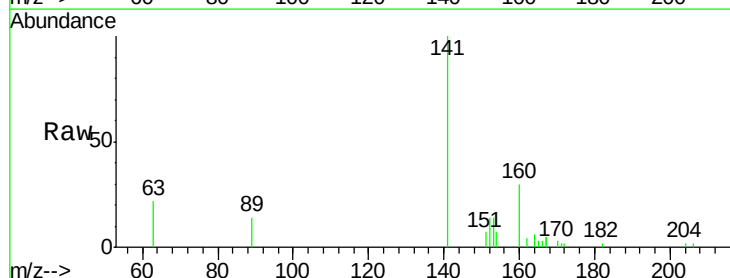
Tgt Ion:152 Resp: 579

Ion Ratio Lower Upper

152 100

151 55.3 15.7 23.5#

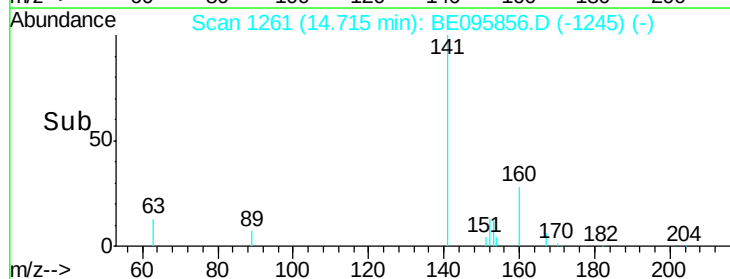
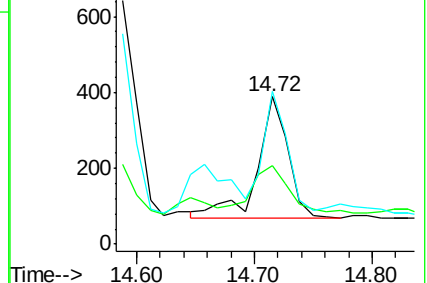
153 83.6 10.5 15.7#

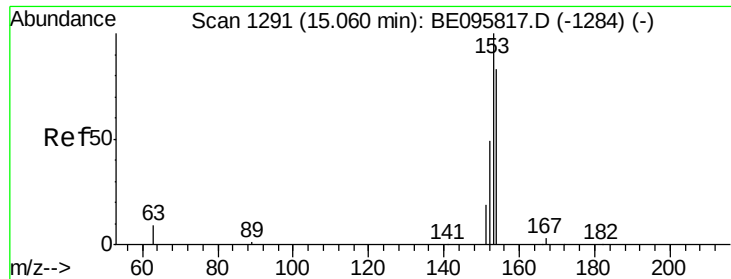


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

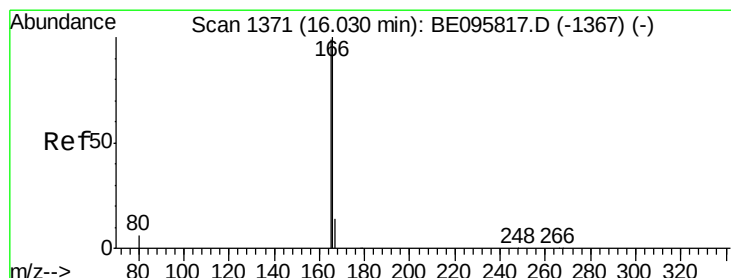
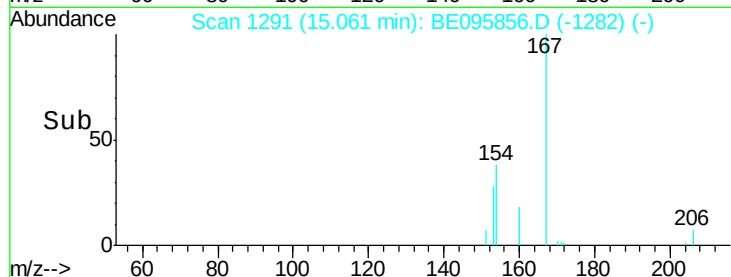
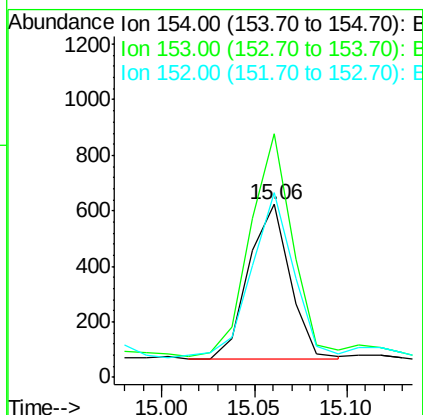
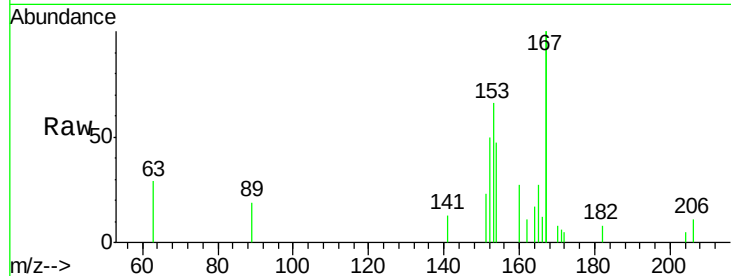




#17
Acenaphthene
Concen: 0.075 ng
RT: 15.06 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BE095856.D
Acq: 27 Mar 2018 1:44

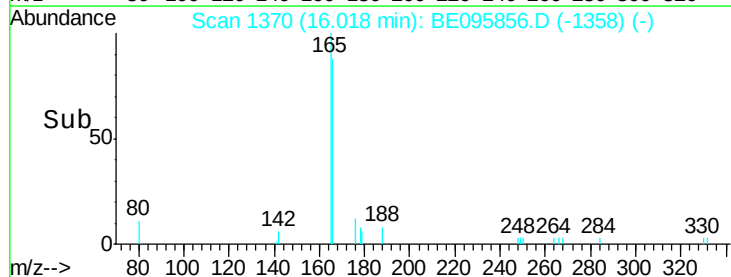
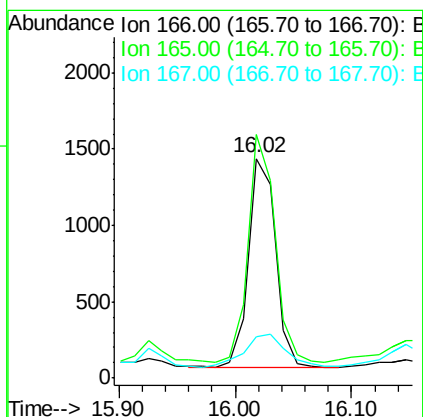
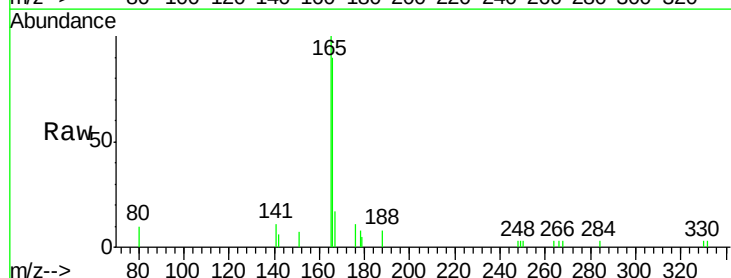
Instrument :
BNA_E
ClientSampleId :

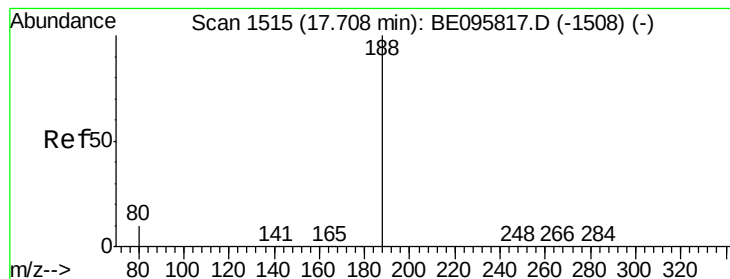
Tot Ion:154 Resp: 857
Ion Ratio Lower Upper
154 100
153 148.4 89.2 133.8#
152 111.1 42.0 63.0#



#18
Fluorene
Concen: 0.149 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095856.D
Acq: 27 Mar 2018 1:44

Tgt Ion:166 Resp: 2245
Ion Ratio Lower Upper
166 100
165 106.9 77.8 116.6
167 23.6 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: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampled :

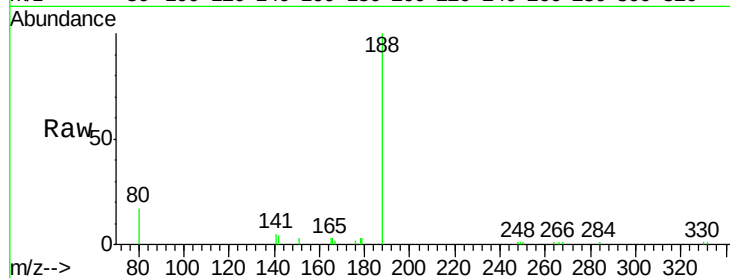
Tot Ion:188 Resp: 5843

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

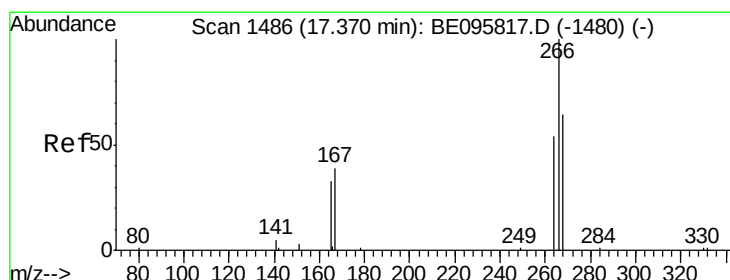
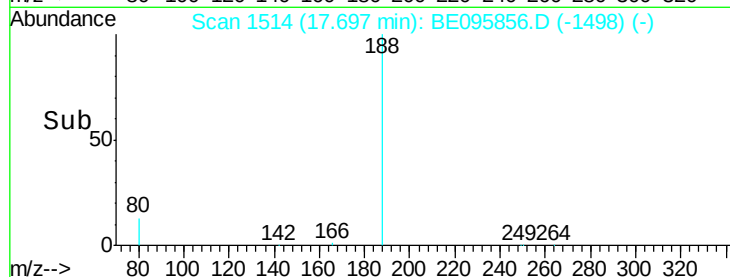
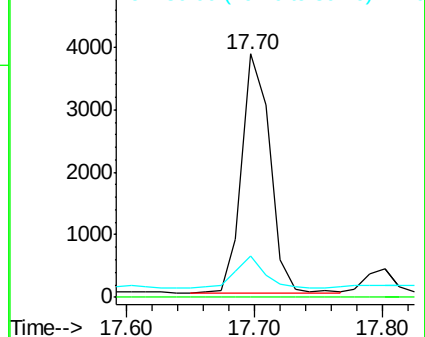
80 17.2 3.6 5.4#



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: 0.183 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

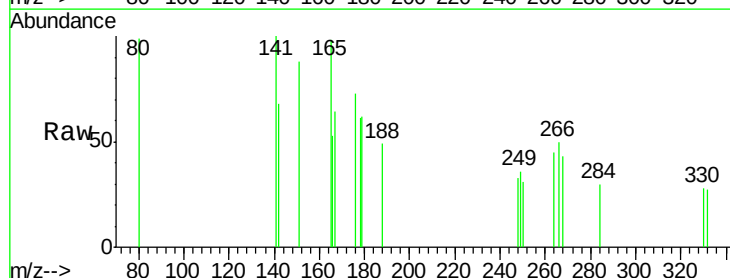
Tgt Ion:266 Resp: 69

Ion Ratio Lower Upper

266 100

264 90.1 72.5 108.7

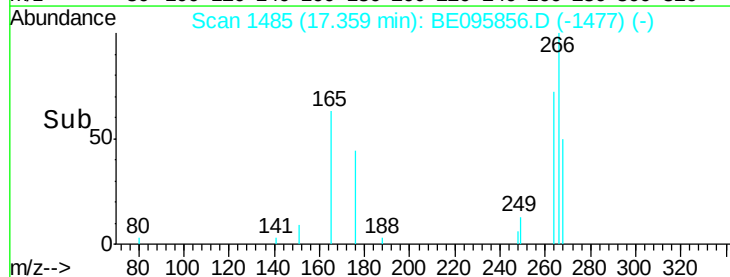
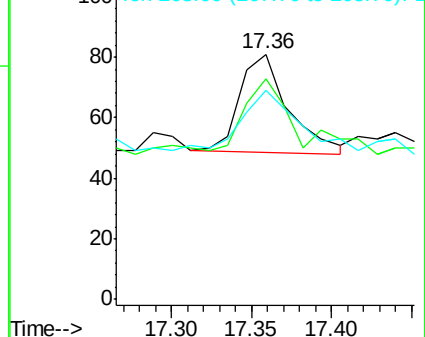
268 85.2 73.8 110.6

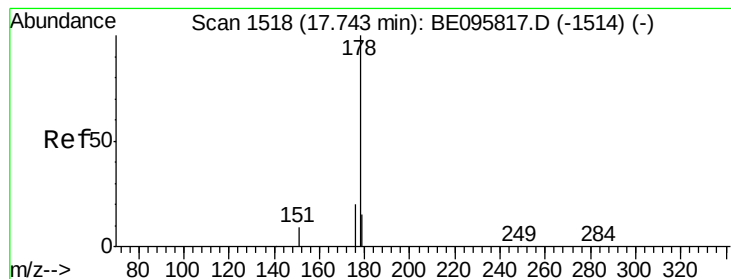


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.064 ng

RT: 17.74 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampleId :

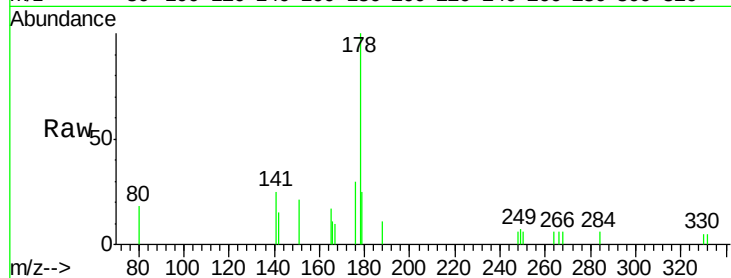
Tot Ion:178 Resp: 1115

Ion Ratio Lower Upper

178 100

176 27.1 15.1 22.7#

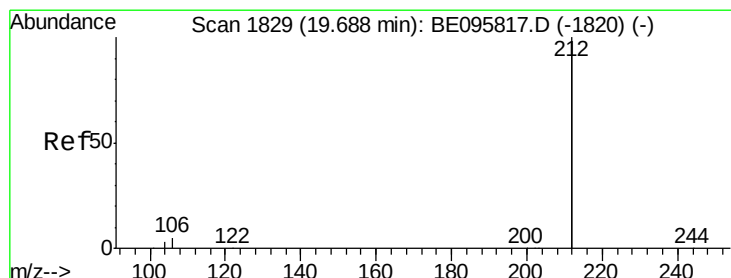
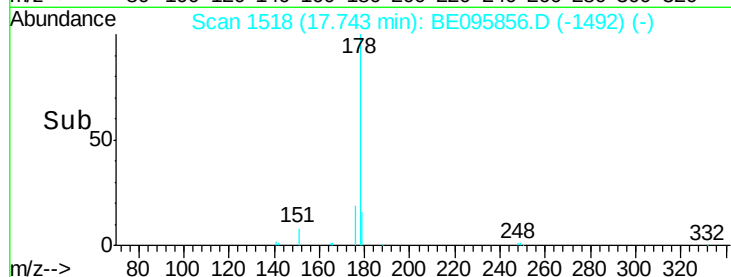
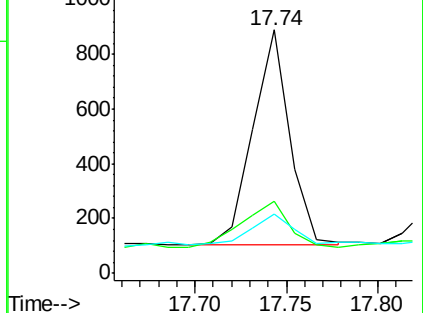
179 18.6 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.414 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

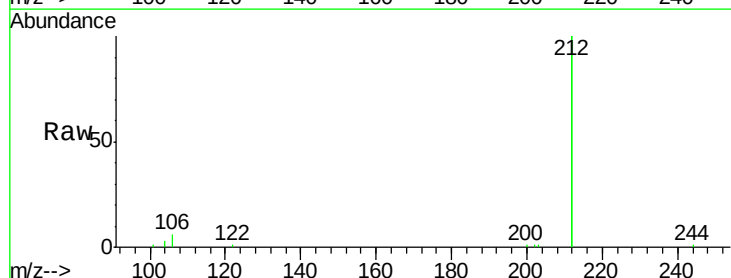
Tgt Ion:212 Resp: 35900

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

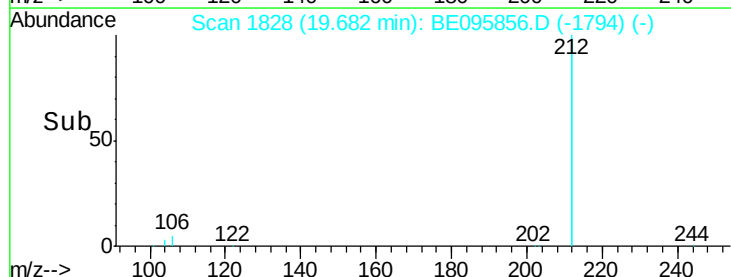
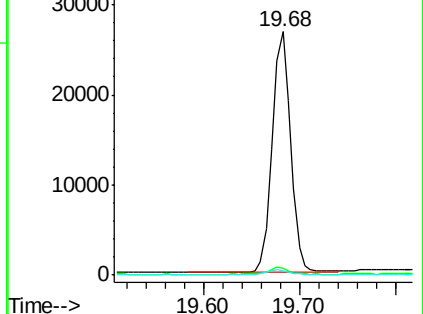
104 1.7 1.6 2.4

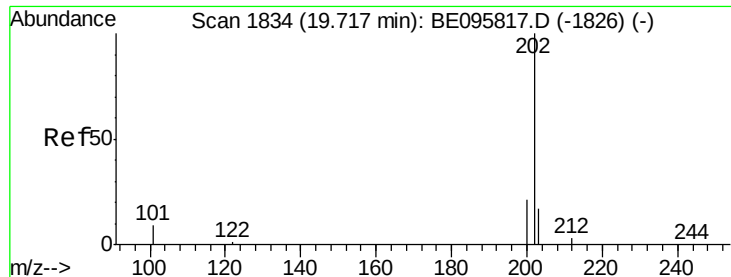


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

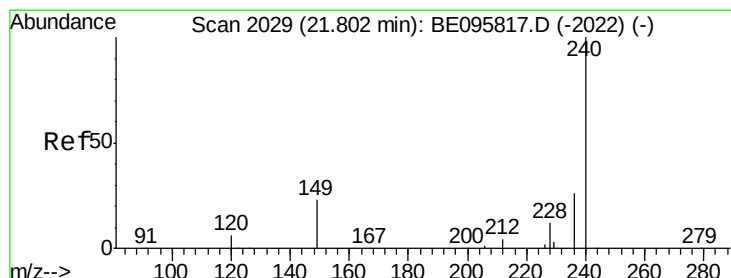
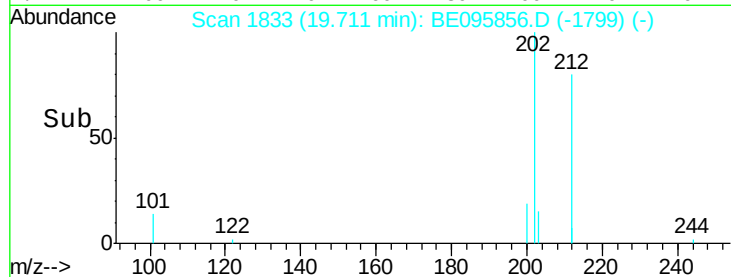
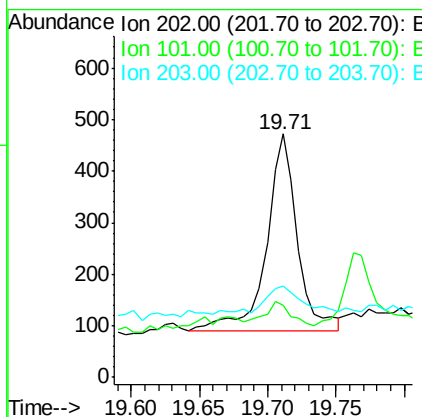
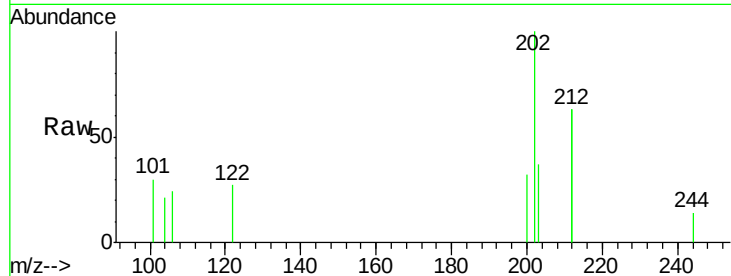




#26
Fluoranthene
Concen: 0.024 ng
RT: 19.71 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BE095856.D
Acq: 27 Mar 2018 1:44

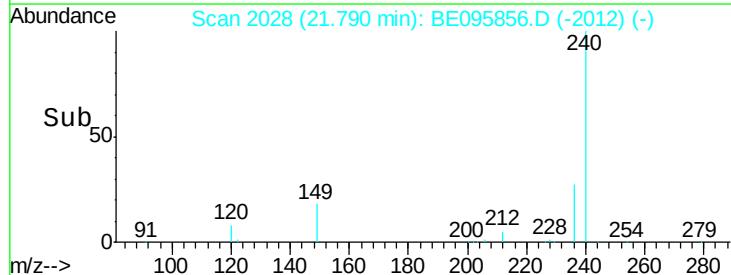
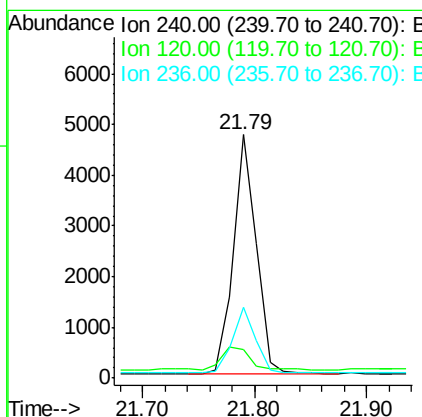
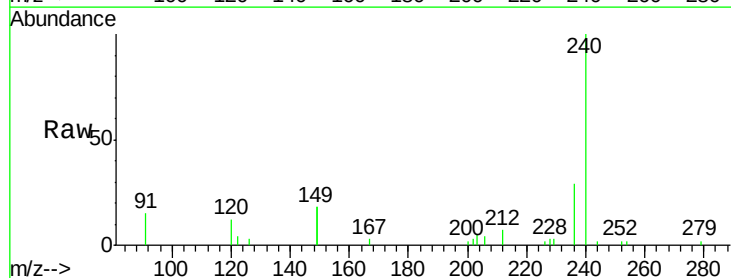
Instrument :
BNA_E
ClientSampleId :

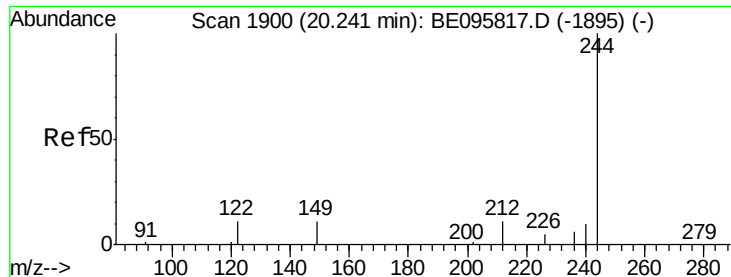
Tot Ion:202 Resp: 594
Ion Ratio Lower Upper
202 100
101 10.3 9.8 14.8
203 15.3 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095856.D
Acq: 27 Mar 2018 1:44

Tgt Ion:240 Resp: 6714
Ion Ratio Lower Upper
240 100
120 11.9 5.5 8.3#
236 29.1 20.7 31.1





#29

Terphenyl-d14

Concen: 0.593 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampleId :

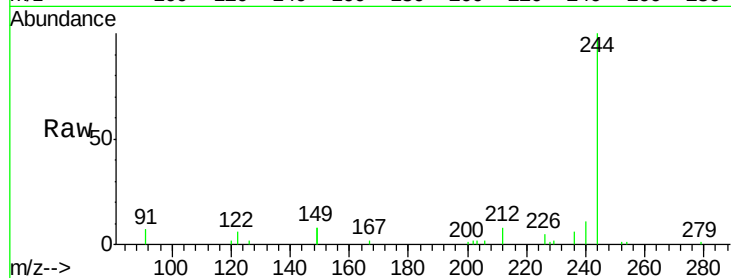
Tot Ion:244 Resp: 8449

Ion Ratio Lower Upper

244 100

212 8.2 25.4 38.0#

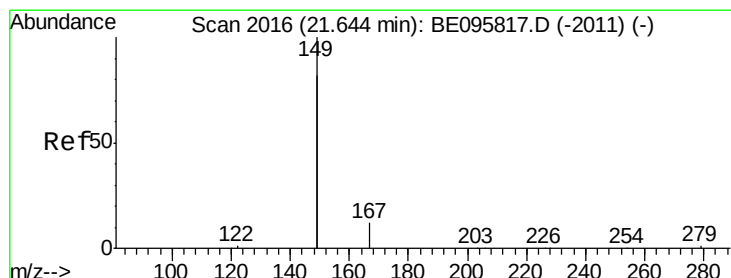
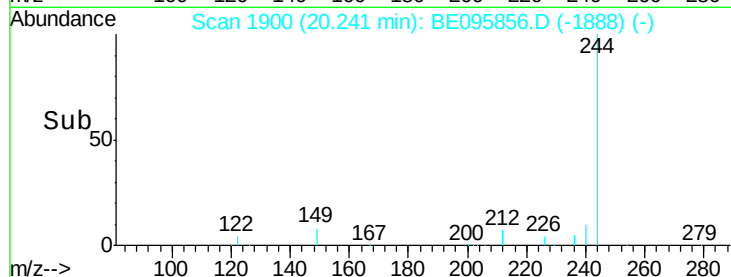
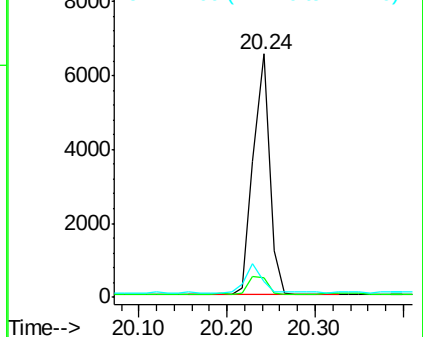
122 6.4 8.1 12.1#



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: 0.073 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

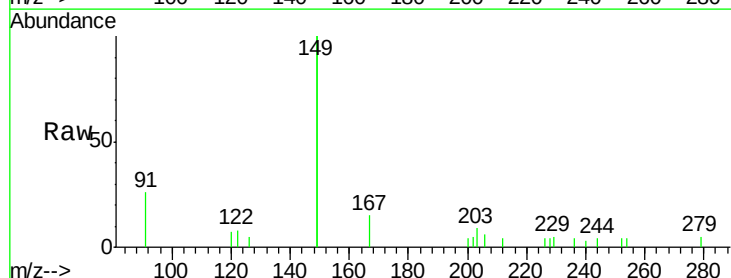
Tgt Ion:149 Resp: 5195

Ion Ratio Lower Upper

149 100

167 6.0 5.4 8.0

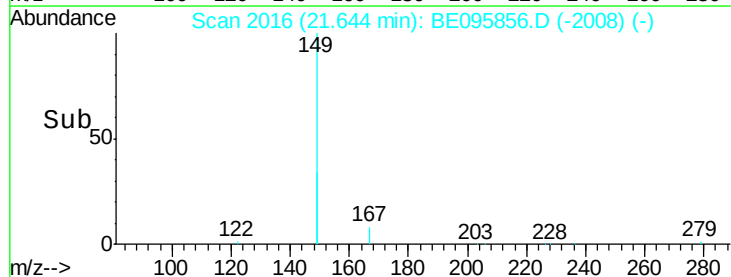
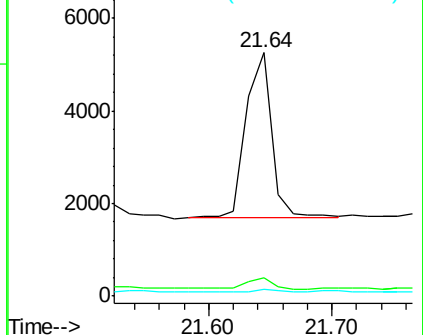
279 1.5 0.7 1.1#

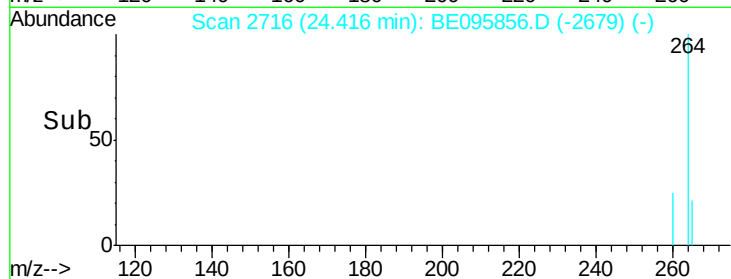
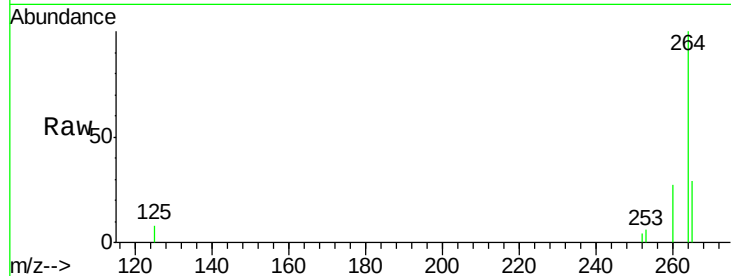
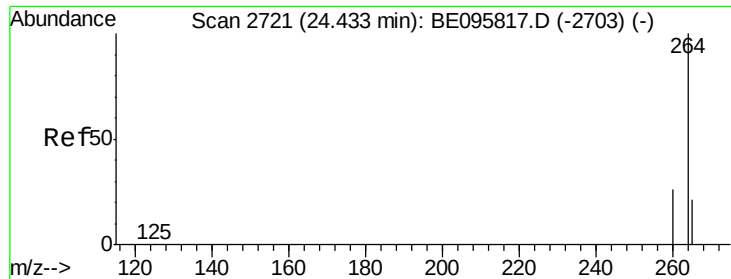


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.42 min Scan# 2716

Delta R.T. -0.02 min

Lab File: BE095856.D

Acq: 27 Mar 2018 1:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 6828

Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 29.2 22.8 34.2

