

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032718\
 Data File : BE095868.D
 Acq On : 27 Mar 2018 14:40
 Operator : SJ/JU
 Sample : J1994-15RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 17:39:33 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	1445	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	5672	0.40	ng	0.00
13) Acenaphthene-d10	15.05	164	17095	0.40	ng	0.05
19) Phenanthrene-d10	17.75	188	3819	0.40	ng	0.05
27) Chrysene-d12	21.79	240	7729	0.40	ng	-0.01
34) Perylene-d12	24.42	264	7465	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	1312	0.28	ng	0.00
5) Phenol-d6	7.57	99	773	0.12	ng	0.00
8) Nitrobenzene-d5	9.53	82	2101	0.31	ng	-0.07
11) 2-Methylnaphthalene-d10	12.79	152	6825	0.72	ng	-0.01
14) 2,4,6-Tribromophenol	16.47	330	669	0.07	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	6057	0.08	ng	0.00
25) Fluoranthene-d10	19.69	212	29187	0.51	ng	0.00
29) Terphenyl-d14	20.24	244	8820	0.54	ng	0.00

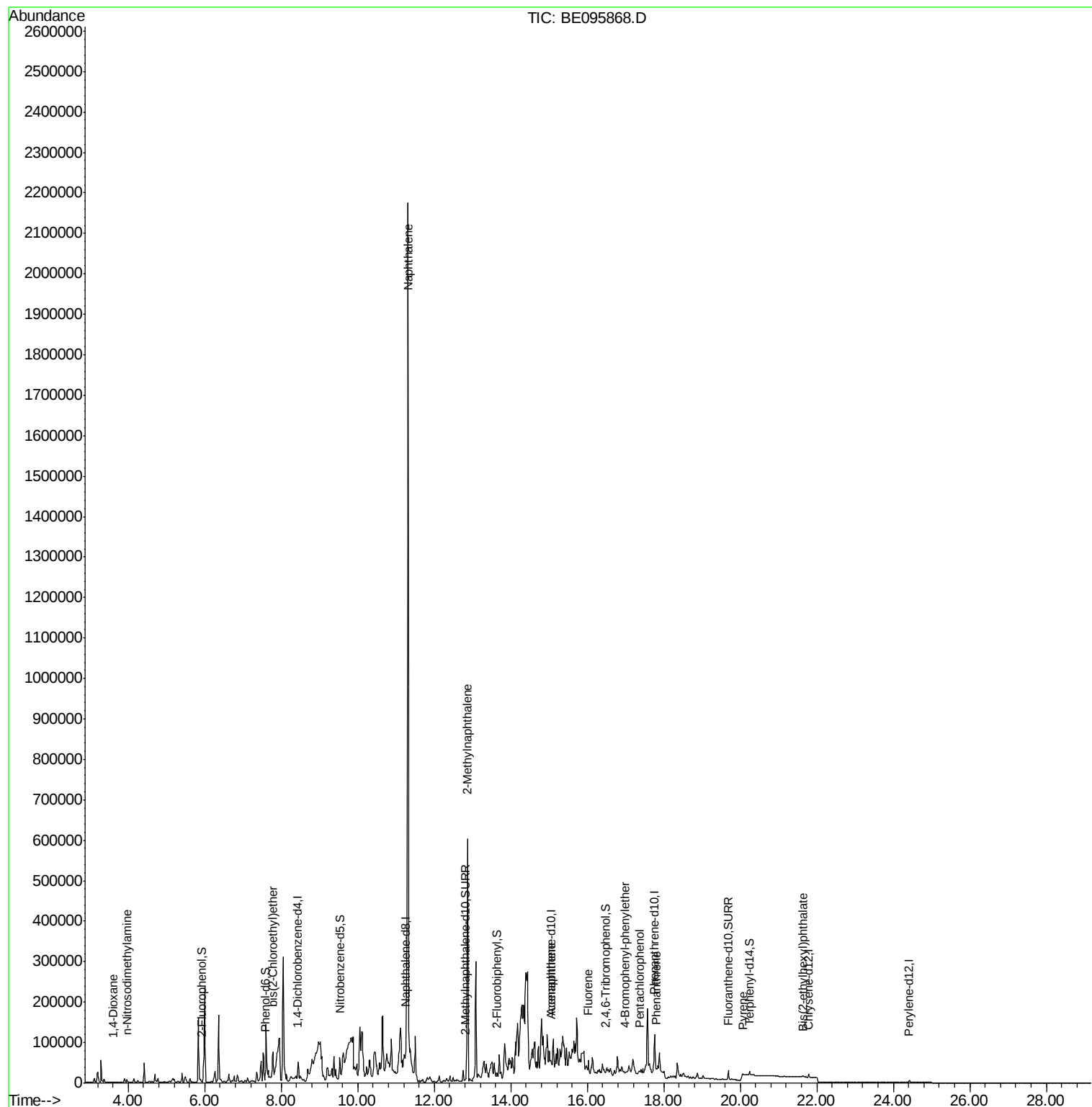
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.60	88	60	0.025	ng	# 16
3) n-Nitrosodimethylamine	3.97	42	743	0.214	ng	# 1
6) bis(2-Chloroethyl)ether	7.78	93	2008	0.355	ng	# 1
9) Naphthalene	11.31	128	3383159	52.222	ng	100
12) 2-Methylnaphthalene	12.87	142	411090	37.156	ng	95
17) Acenaphthene	15.06	154	4167	0.070	ng	# 53
18) Fluorene	16.03	166	11382	0.145	ng	# 76
20) 4-Bromophenyl-phenylether	16.97	248	70	0.030	ng	# 1
22) Pentachlorophenol	17.37	266	511	0.721	ng	89
23) Phenanthrene	17.80	178	997	0.087	ng	# 61
28) Pyrene	20.07	202	676	0.021	ng	# 61
32) Bis(2-ethylhexyl)phthalate	21.64	149	4938	0.060	ng	# 92

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032718\
Data File : BE095868.D
Acq On : 27 Mar 2018 14:40
Operator : SJ/JU
Sample : J1994-15RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Mar 27 17:39:33 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



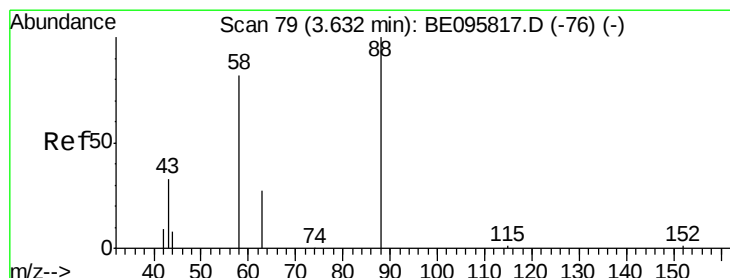
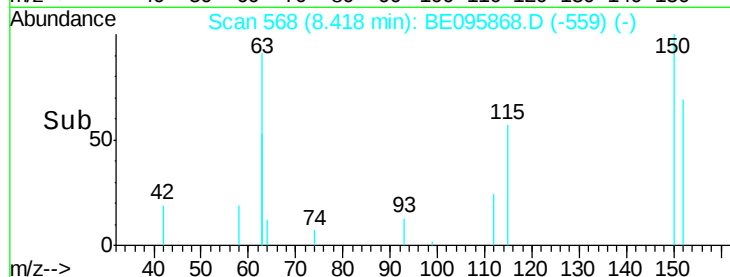
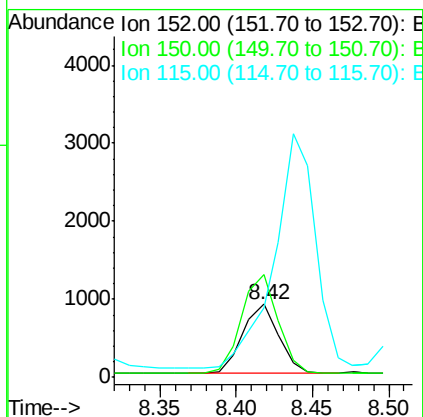
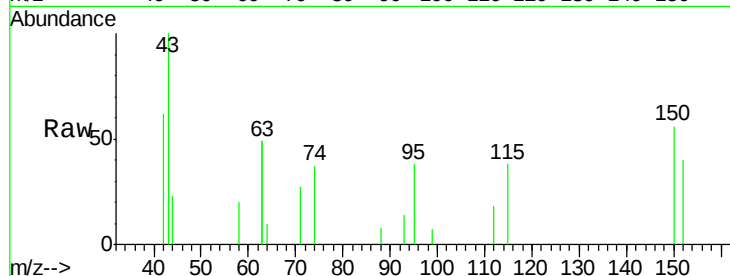


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095868.D
Acq: 27 Mar 2018 14:40

Instrument :
BNA_E
ClientSampleId :

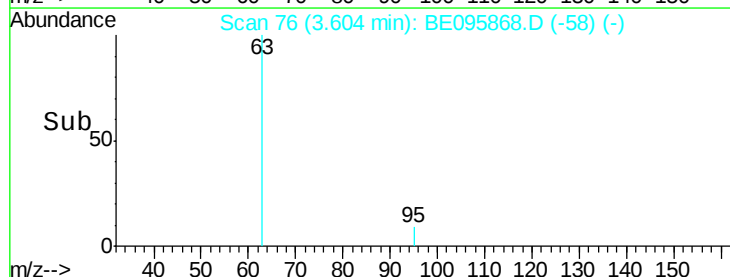
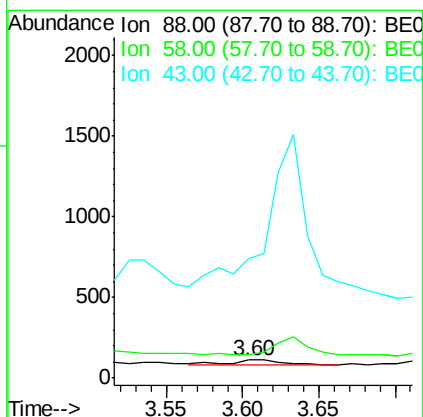
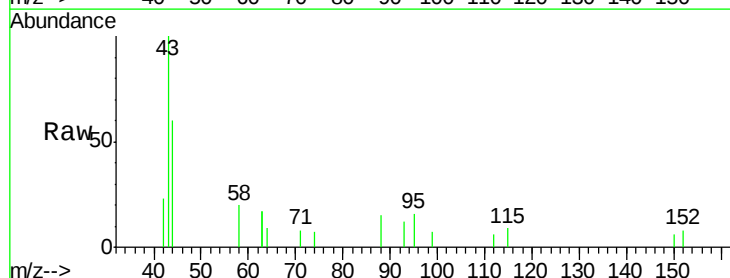
Tot Ion:152 Resp: 1445
Ion Ratio Lower Upper
152 100
150 140.7 117.2 175.8
115 94.2 57.0 85.6#



#2

1,4-Dioxane
Concen: 0.025 ng
RT: 3.60 min Scan# 76
Delta R.T. -0.03 min
Lab File: BE095868.D
Acq: 27 Mar 2018 14:40

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 0.0 41.2 61.8#



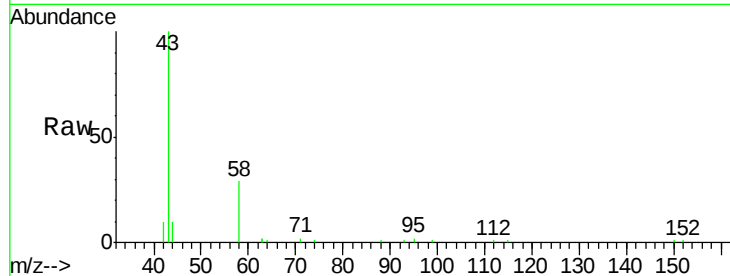


#3

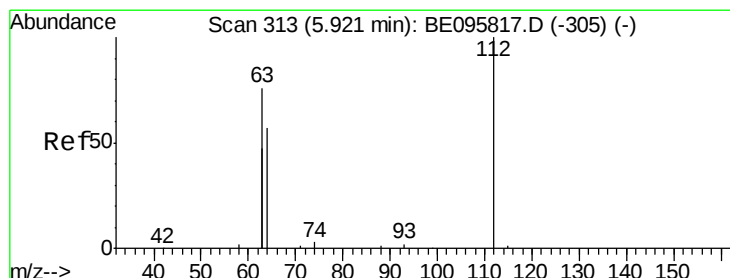
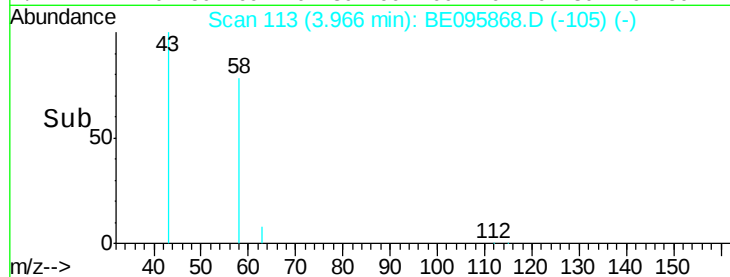
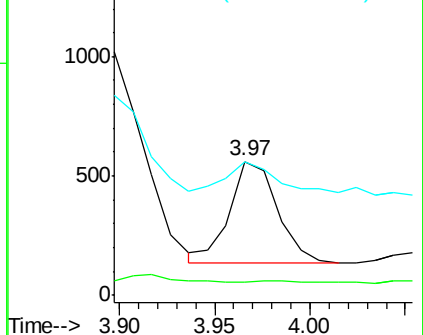
n-Nitrosodimethylamine
 Concen: 0.214 ng
 RT: 3.97 min Scan# 113
 Delta R.T. -0.02 min
 Lab File: BE095868.D
 Acq: 27 Mar 2018 14:40

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 743
 Ion Ratio Lower Upper
 42 100
 74 0.7 96.0 144.0#
 44 38.0 12.0 18.0#



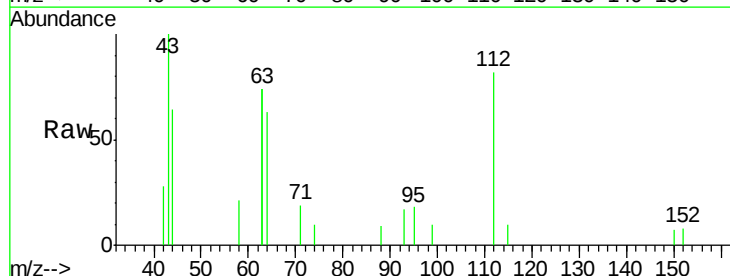
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



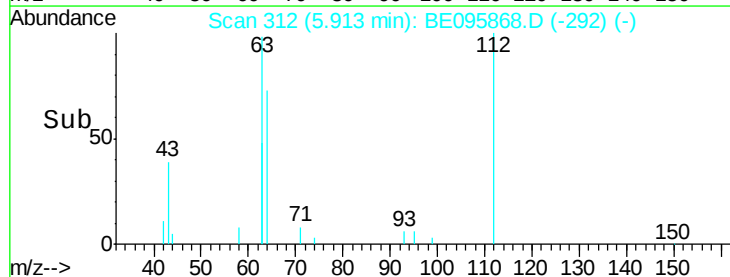
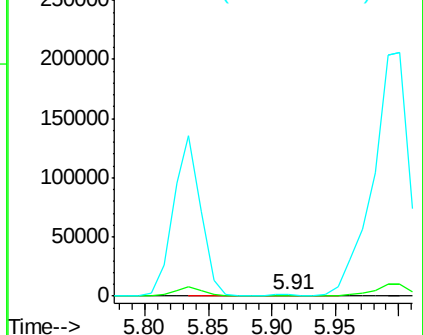
#4

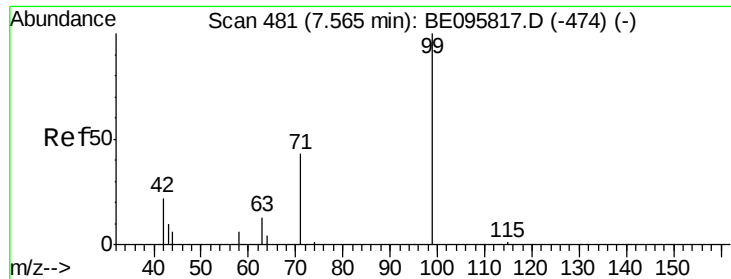
2-Fluorophenol
 Concen: 0.275 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095868.D
 Acq: 27 Mar 2018 14:40

Tgt Ion: 112 Resp: 1312
 Ion Ratio Lower Upper
 112 100
 64 53.6 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: 0.118 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.00 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampled :

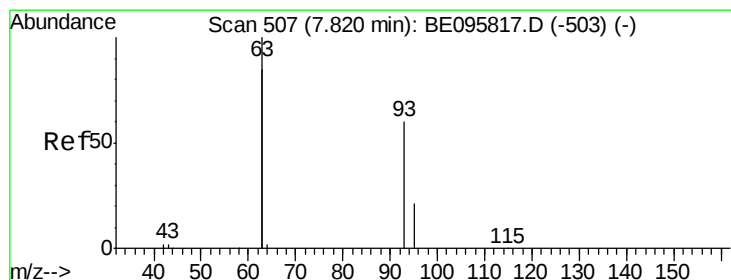
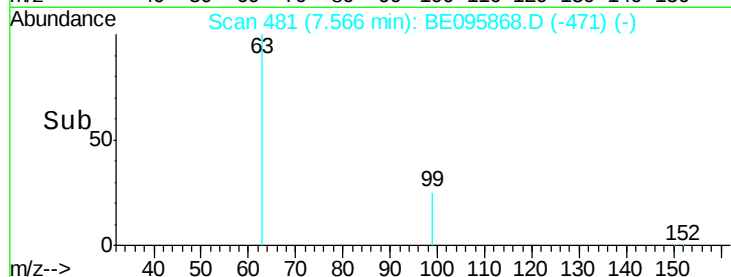
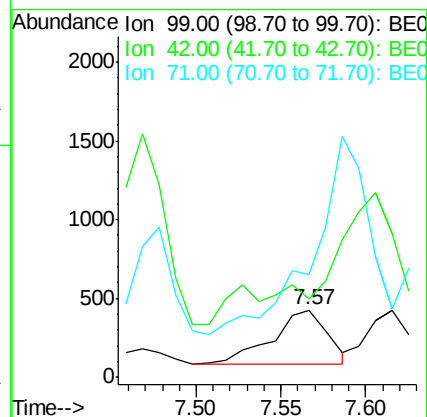
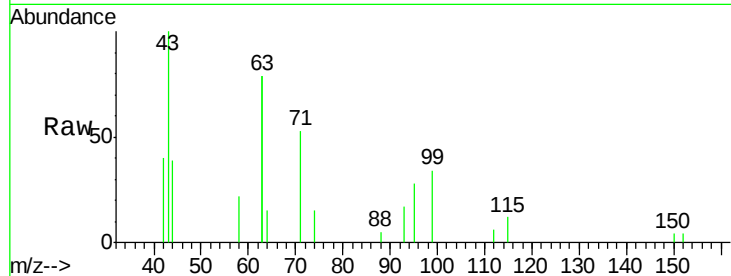
Tot Ion: 99 Resp: 773

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 376.2 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.355 ng

RT: 7.78 min Scan# 503

Delta R.T. -0.04 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

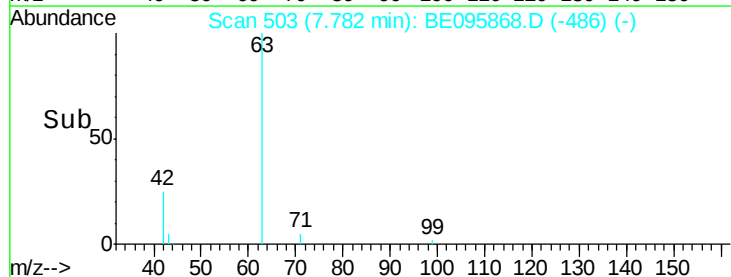
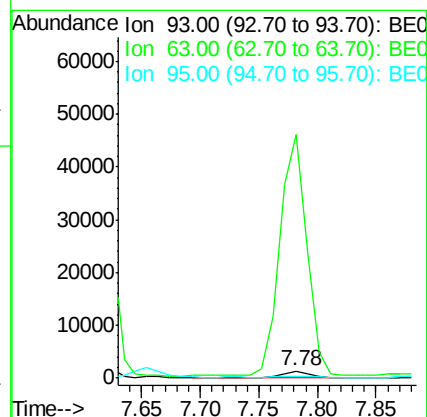
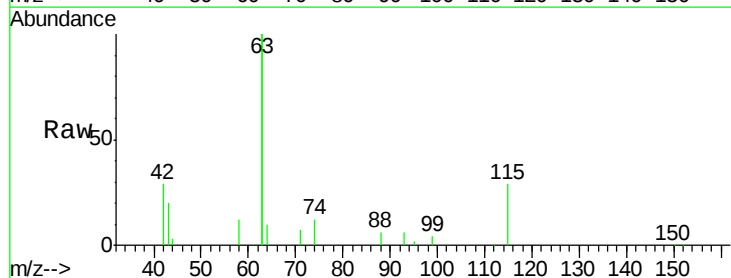
Tgt Ion: 93 Resp: 2008

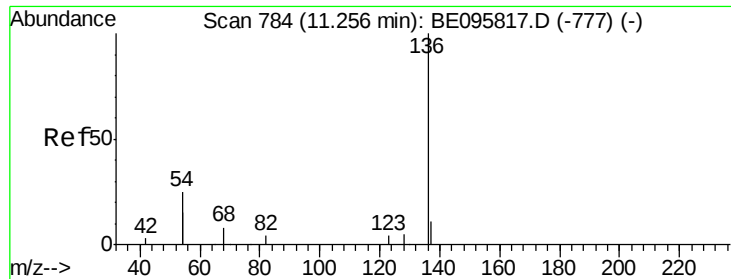
Ion Ratio Lower Upper

93 100

63 3631.3 275.3 412.9#

95 23.6 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: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5672

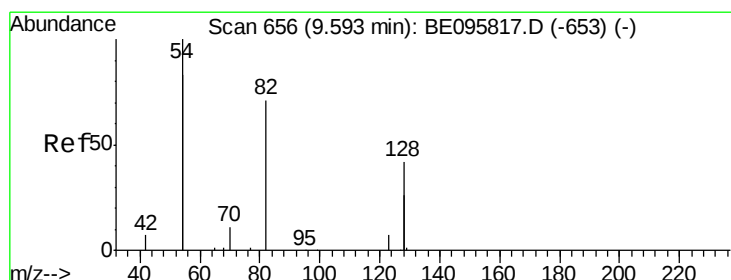
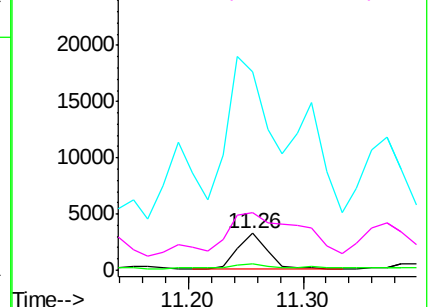
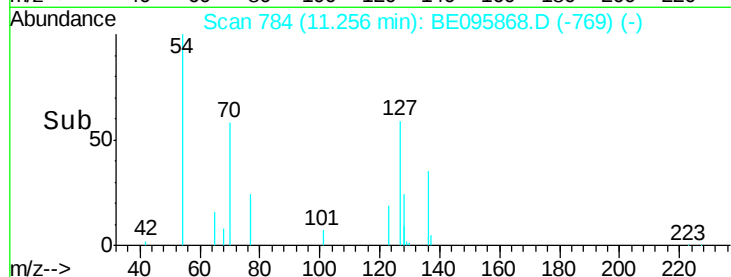
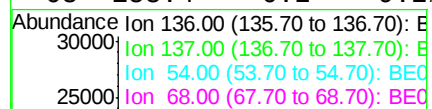
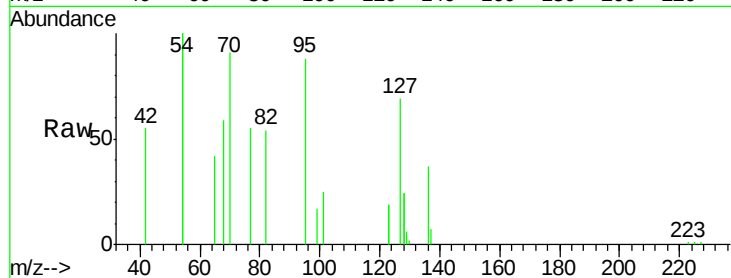
Ion Ratio Lower Upper

136 100

137 18.4 9.5 14.3#

54 541.6 29.1 43.7#

68 158.4 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.314 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.07 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

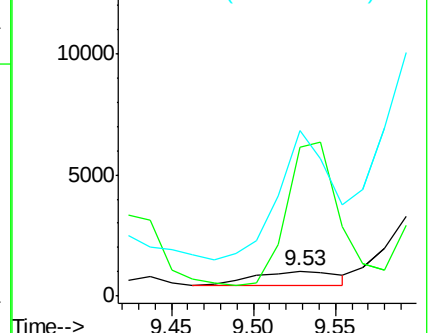
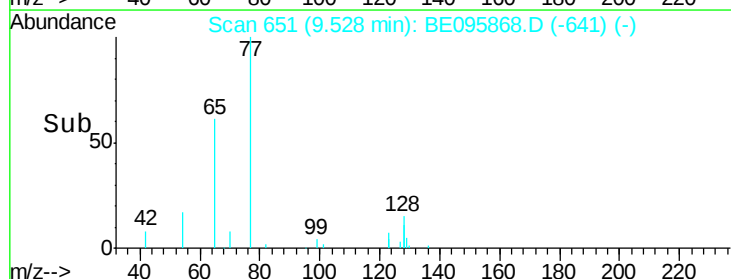
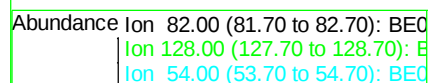
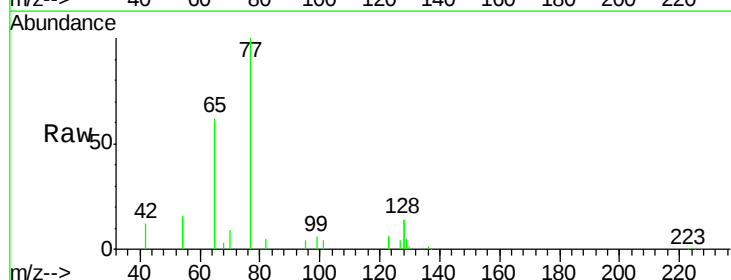
Tgt Ion: 82 Resp: 2101

Ion Ratio Lower Upper

82 100

128 599.4 150.0 225.0#

54 664.5 154.2 231.4#





#9

Naphthalene

Concen: 52.222 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampleId :

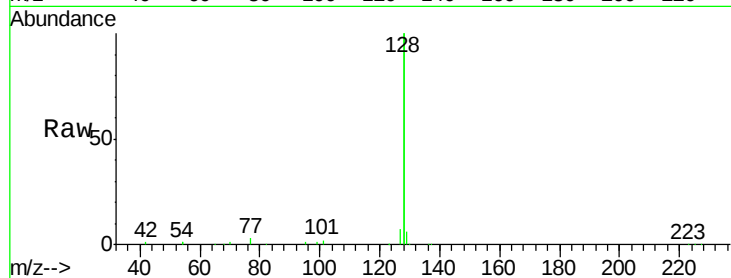
Tot Ion:128 Resp: 3383159

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

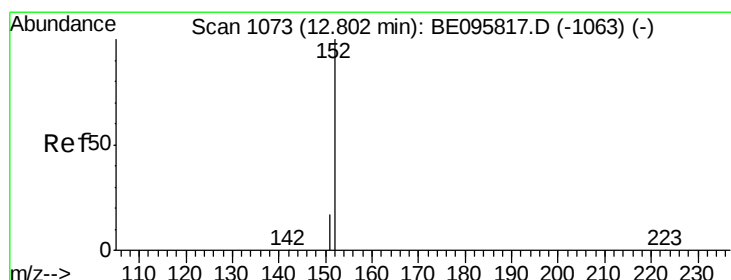
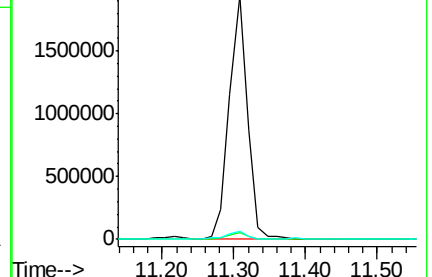
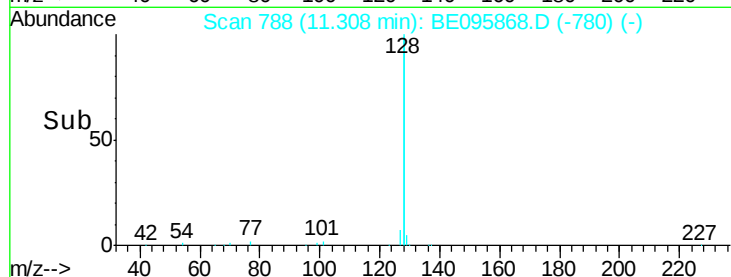
127 3.5 2.8 4.2



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: 0.721 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095868.D

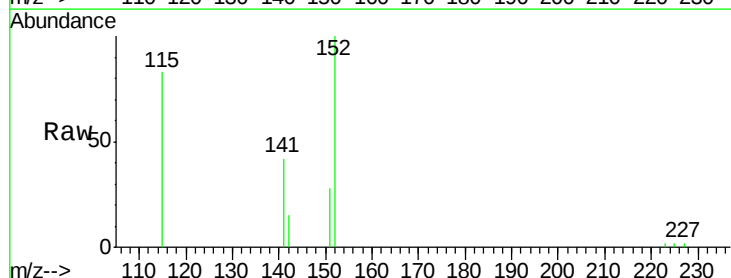
Acq: 27 Mar 2018 14:40

Tgt Ion:152 Resp: 6825

Ion Ratio Lower Upper

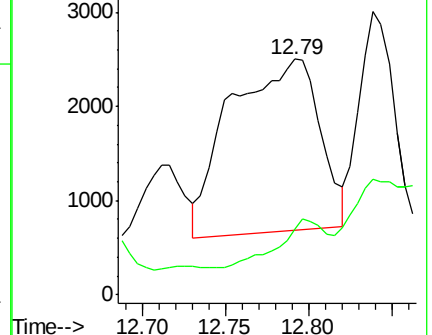
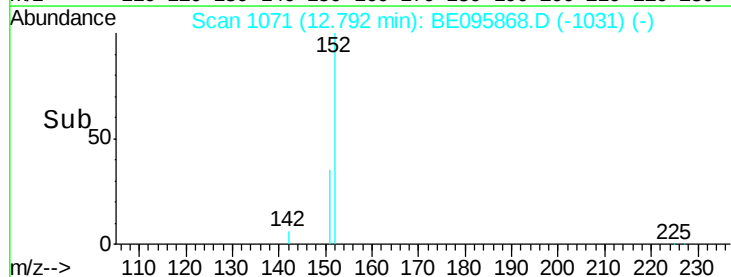
152 100

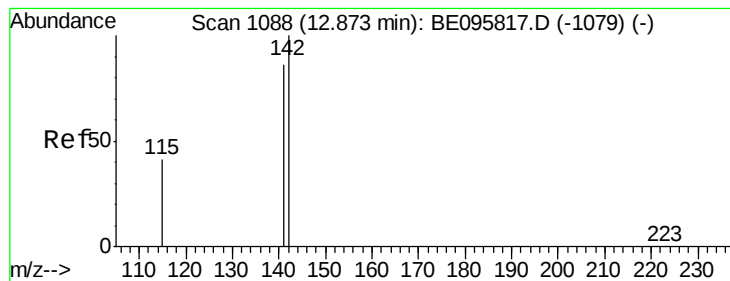
151 15.3 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 37.156 ng

RT: 12.87 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampleId :

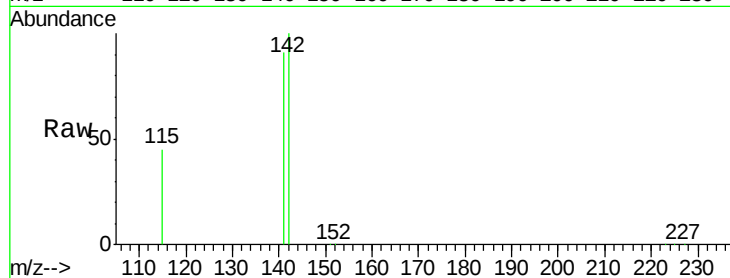
Tot Ion:142 Resp: 411090

Ion Ratio Lower Upper

142 100

141 91.2 70.4 105.6

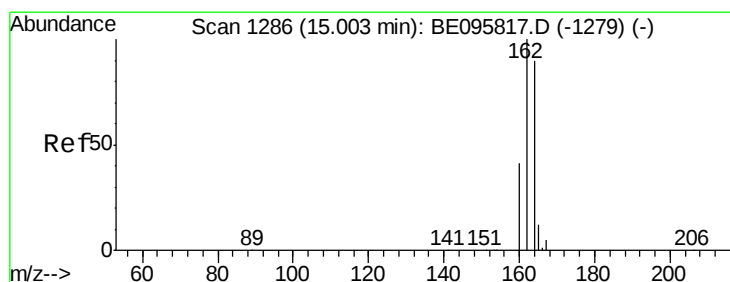
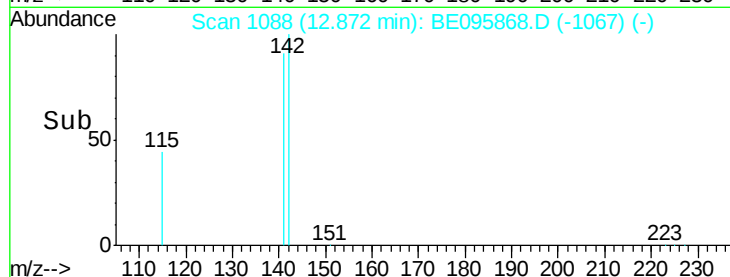
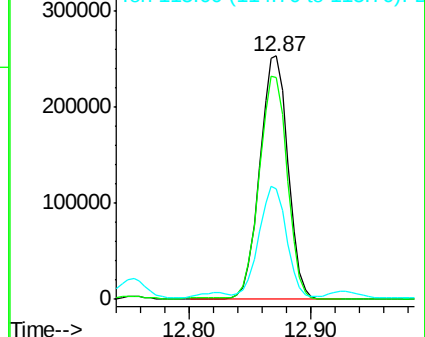
115 45.4 31.7 47.5



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: 15.05 min Scan# 1290

Delta R.T. 0.05 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

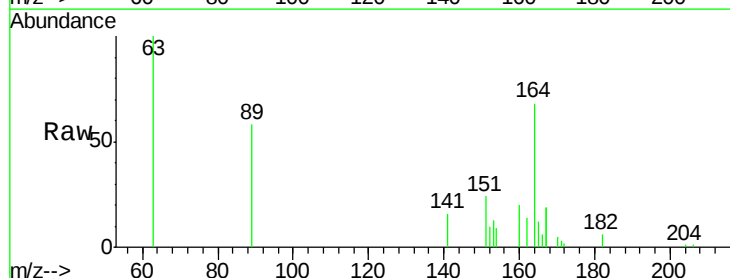
Tgt Ion:164 Resp: 17095

Ion Ratio Lower Upper

164 100

162 20.7 83.1 124.7#

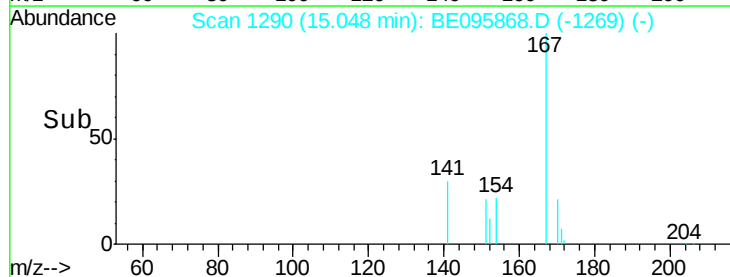
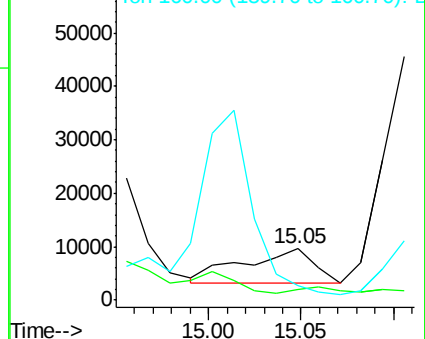
160 29.2 37.1 55.7#

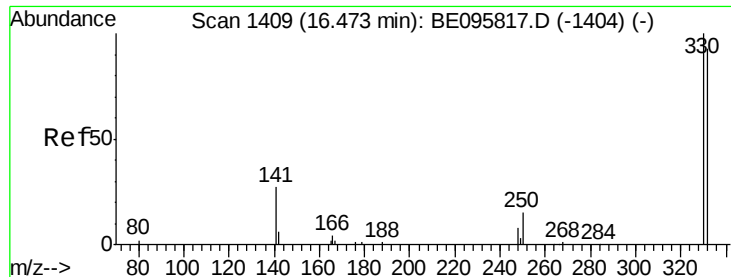


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

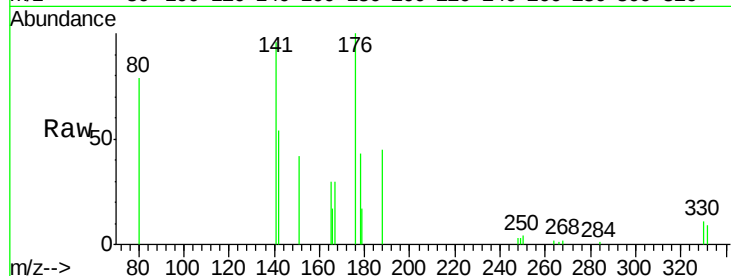




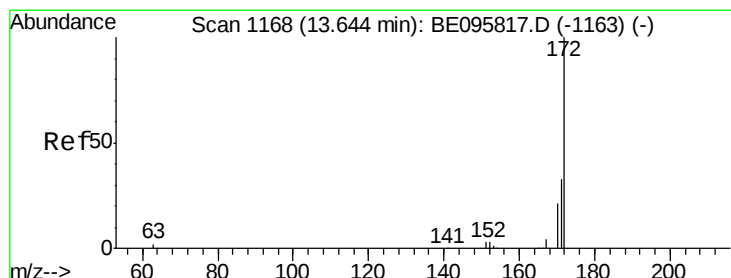
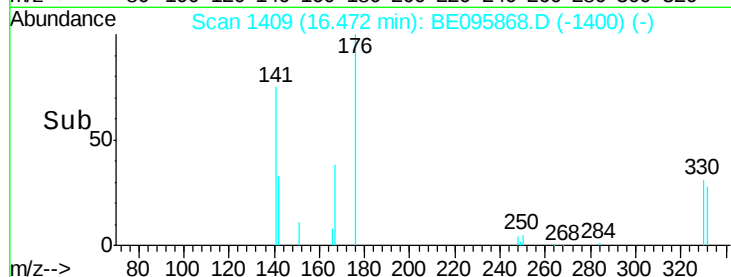
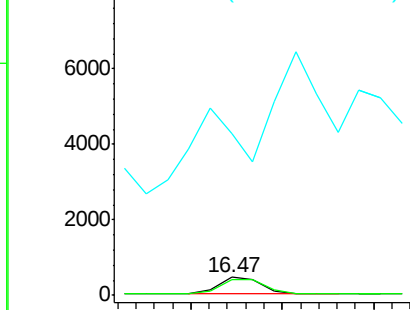
#14
2,4,6-Tribromophenol
Concen: 0.068 ng
RT: 16.47 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BE095868.D
Acq: 27 Mar 2018 14:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:330 Resp: 669
Ion Ratio Lower Upper
330 100
332 96.4 152.7 229.1#
141 225.6 33.7 50.5#

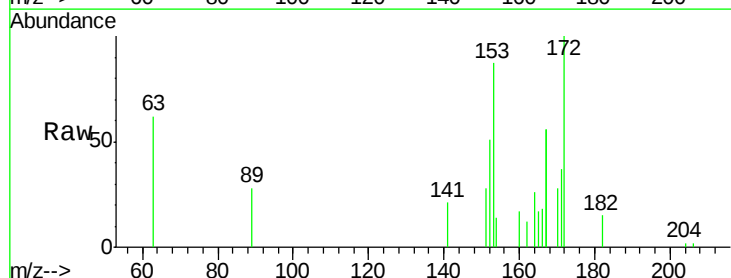


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

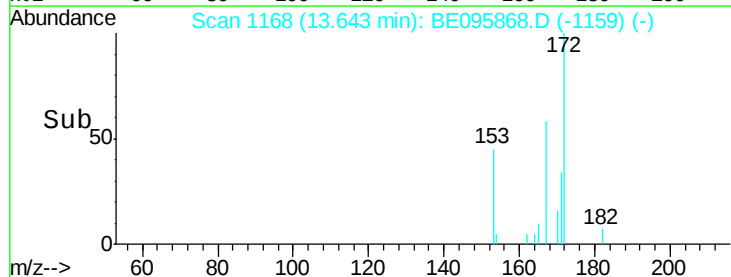
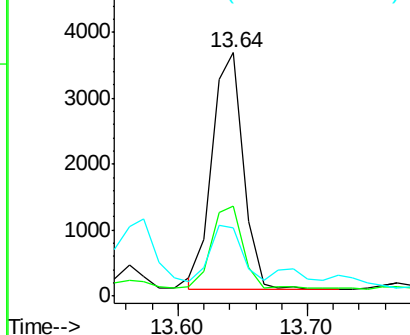


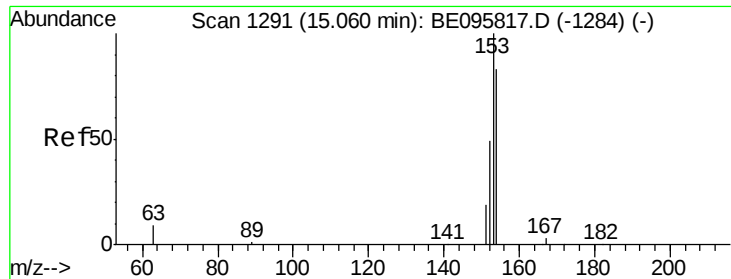
#15
2-Fluorobiphenyl
Concen: 0.084 ng
RT: 13.64 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE095868.D
Acq: 27 Mar 2018 14:40

Tgt Ion:172 Resp: 6057
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 28.0 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

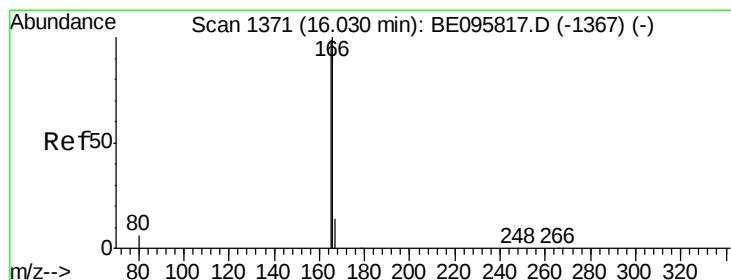
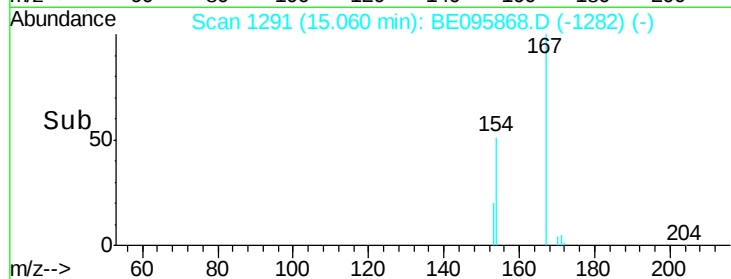
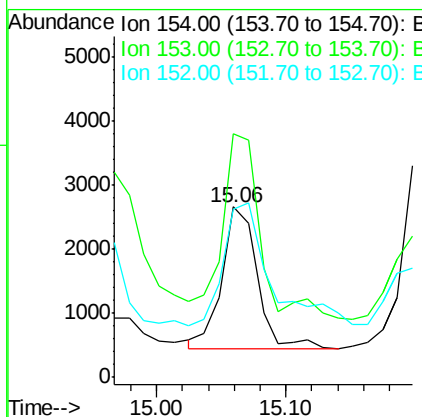
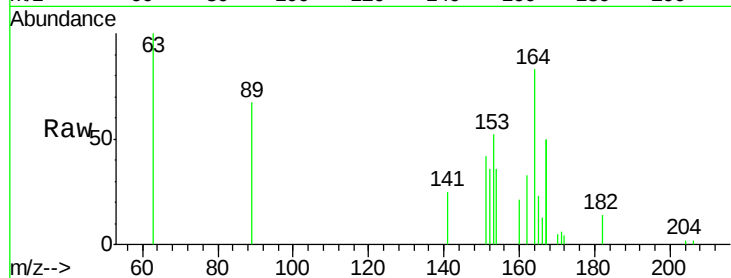




#17
Acenaphthene
Concen: 0.070 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095868.D
Acq: 27 Mar 2018 14:40

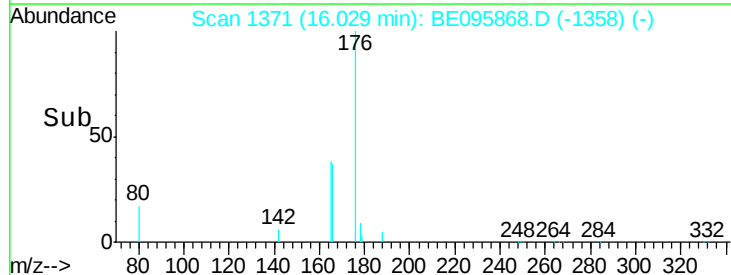
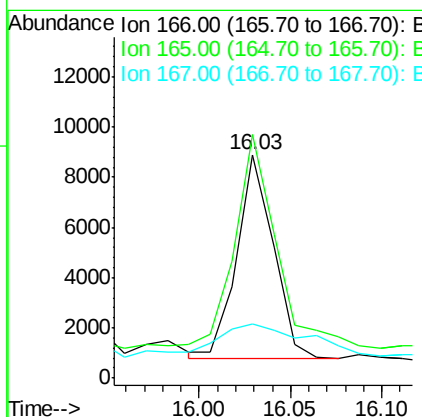
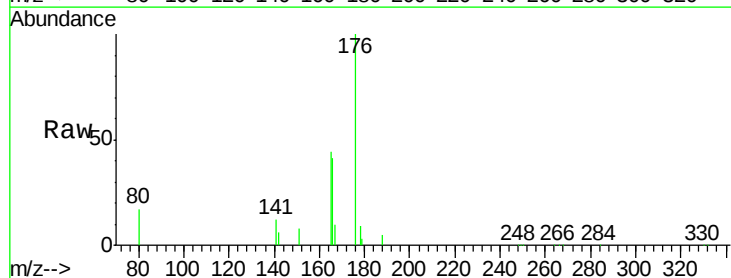
Instrument :
BNA_E
ClientSampleId :

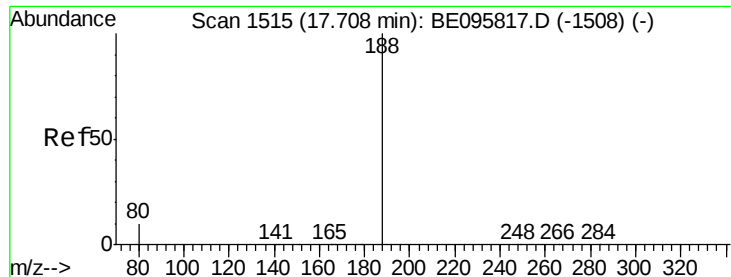
Tot Ion:154 Resp: 4167
Ion Ratio Lower Upper
154 100
153 140.7 89.2 133.8#
152 115.5 42.0 63.0#



#18
Fluorene
Concen: 0.145 ng
RT: 16.03 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BE095868.D
Acq: 27 Mar 2018 14:40

Tgt Ion:166 Resp: 11382
Ion Ratio Lower Upper
166 100
165 122.5 77.8 116.6#
167 38.1 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.05 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampleId :

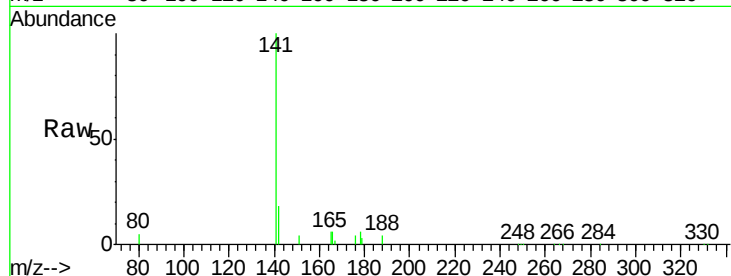
Tot Ion:188 Resp: 3819

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

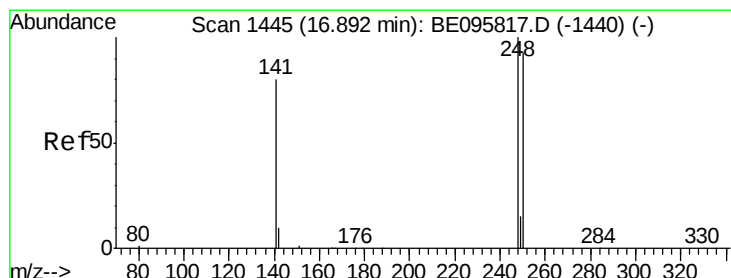
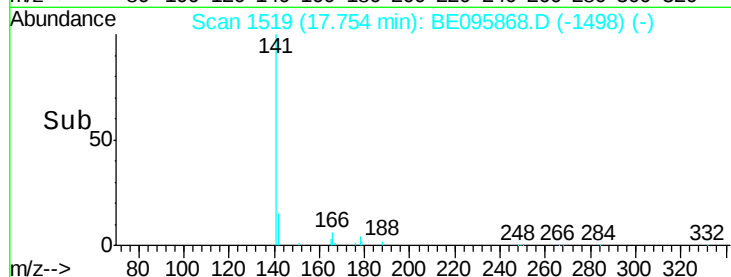
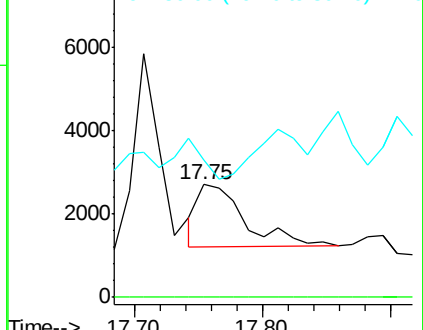
80 122.0 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.030 ng

RT: 16.97 min Scan# 1452

Delta R.T. 0.08 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

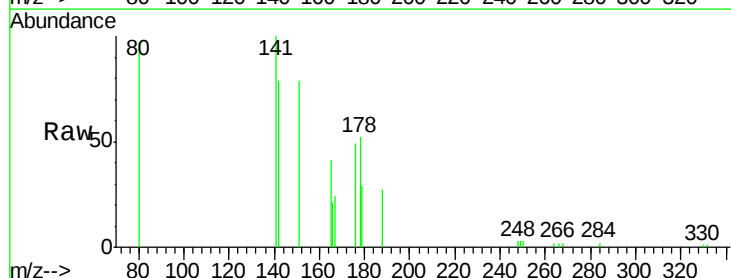
Tgt Ion:248 Resp: 70

Ion Ratio Lower Upper

248 100

250 110.6 62.7 94.1#

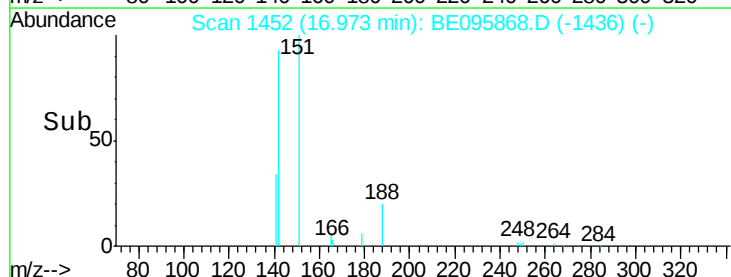
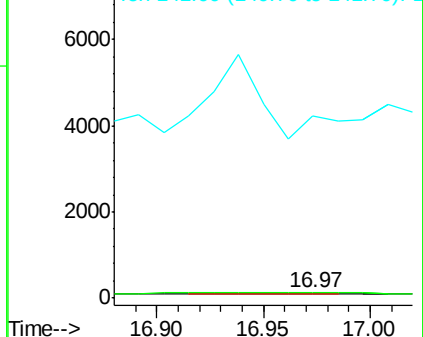
141 3744.2 48.2 72.2#

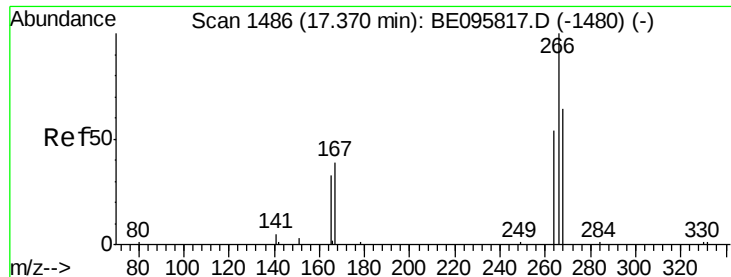


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.721 ng

RT: 17.37 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampleId :

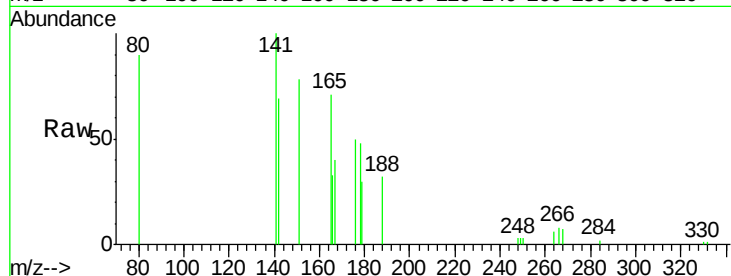
Tot Ion:266 Resp: 511

Ion Ratio Lower Upper

266 100

264 76.0 72.5 108.7

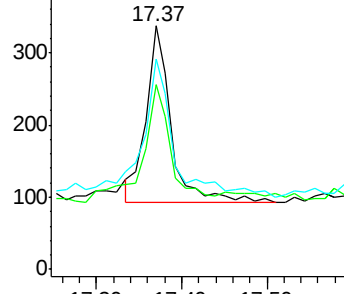
268 86.6 73.8 110.6



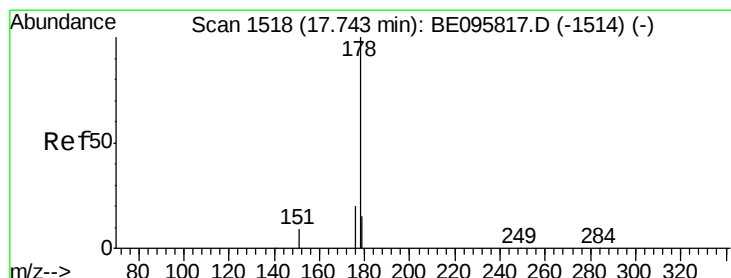
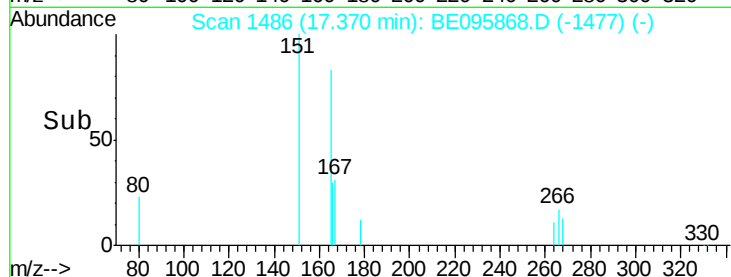
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->



#23

Phenanthrene

Concen: 0.087 ng

RT: 17.80 min Scan# 1523

Delta R.T. 0.06 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

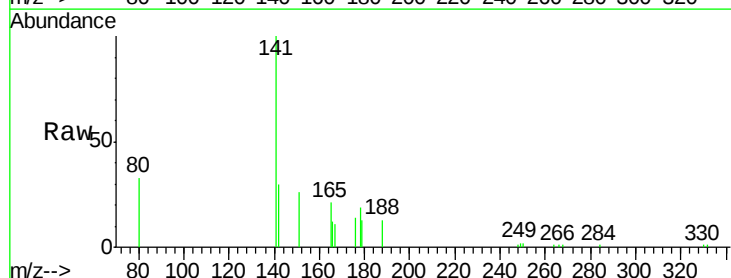
Tgt Ion:178 Resp: 997

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

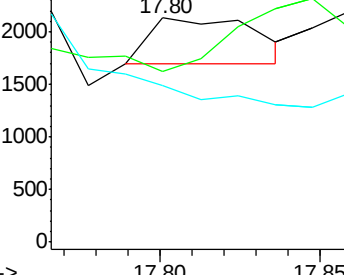
179 0.0 11.8 17.6#



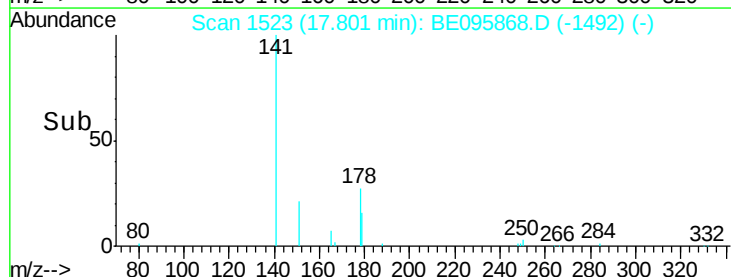
Abundance Ion 178.00 (177.70 to 178.70): E

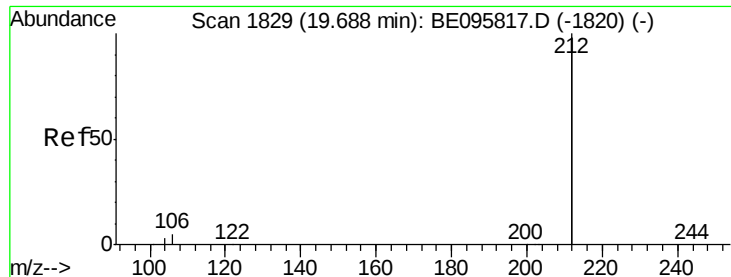
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.515 ng

RT: 19.69 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampleId :

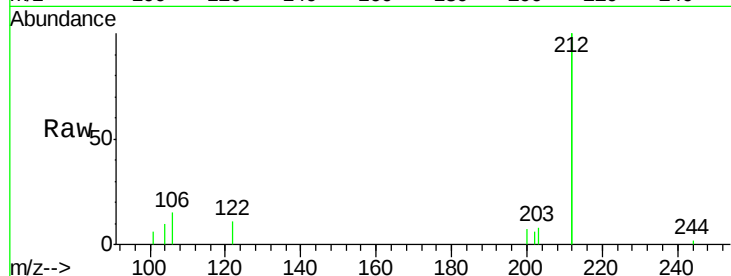
Tot Ion:212 Resp: 29187

Ion Ratio Lower Upper

212 100

106 3.7 2.8 4.2

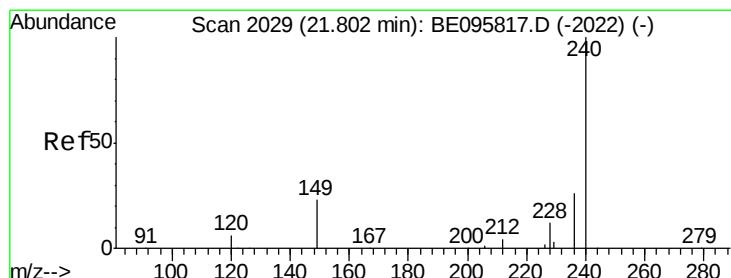
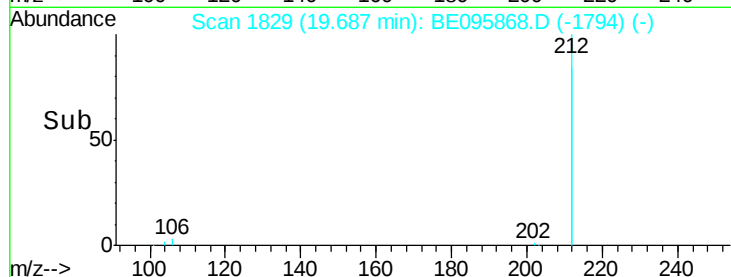
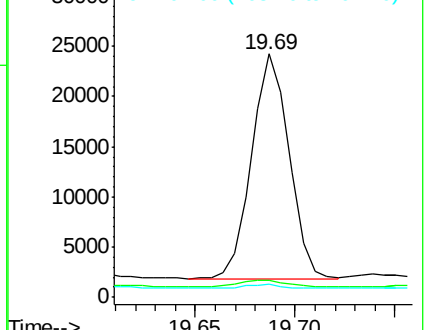
104 2.0 1.6 2.4



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: BE095868.D

Acq: 27 Mar 2018 14:40

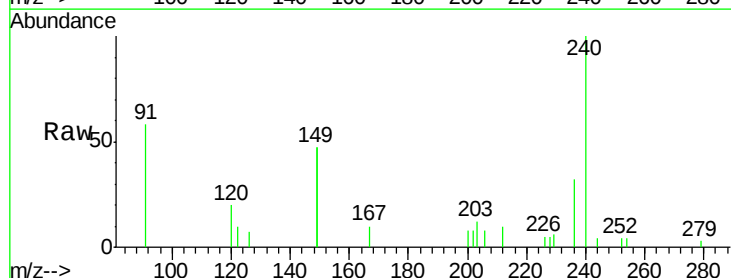
Tgt Ion:240 Resp: 7729

Ion Ratio Lower Upper

240 100

120 19.5 5.5 8.3#

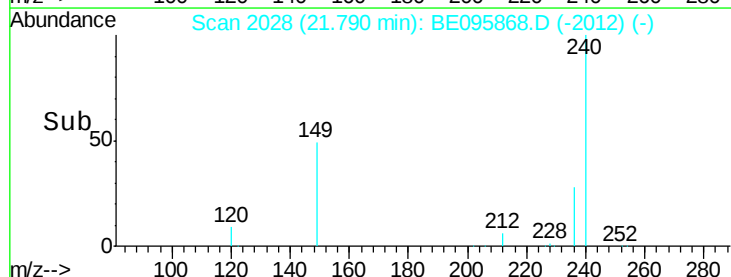
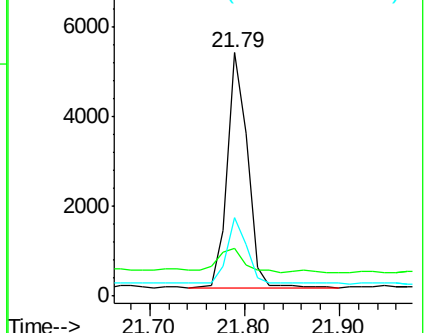
236 32.2 20.7 31.1#

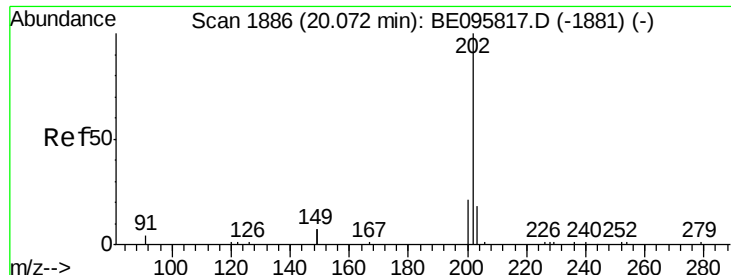


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.021 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

Instrument :

BNA_E

ClientSampled :

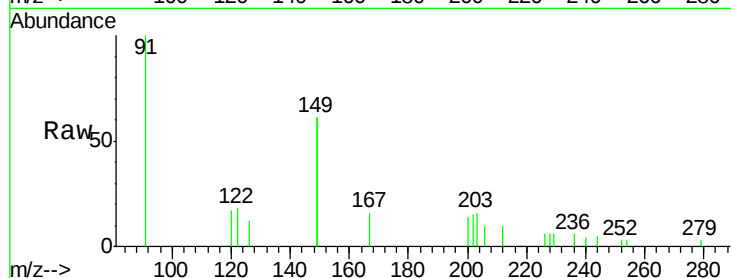
Tot Ion:202 Resp: 676

Ion Ratio Lower Upper

202 100

200 0.0 16.6 25.0#

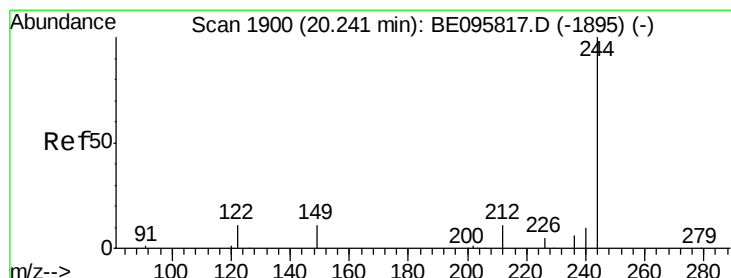
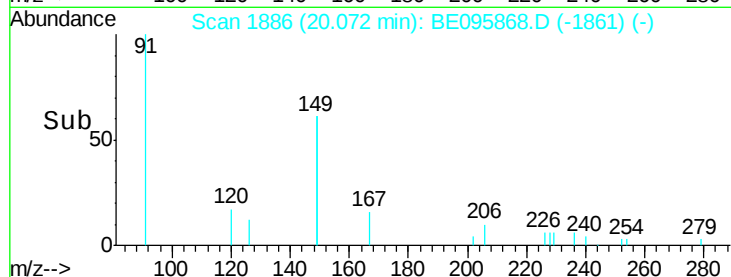
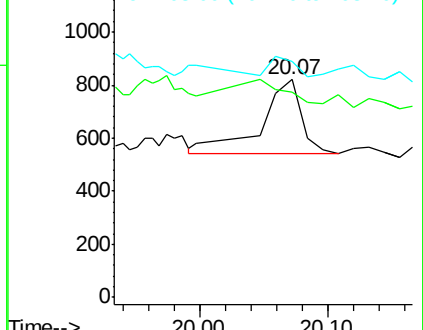
203 31.8 13.8 20.8#



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: 0.537 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095868.D

Acq: 27 Mar 2018 14:40

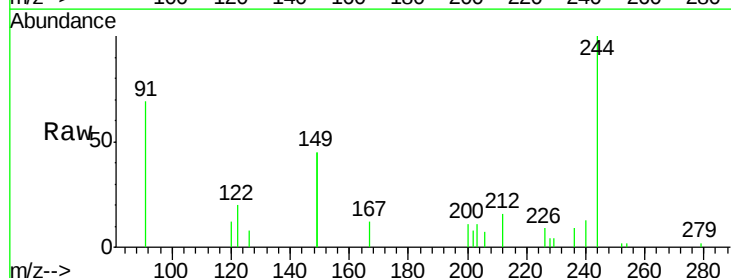
Tgt Ion:244 Resp: 8820

Ion Ratio Lower Upper

244 100

212 16.3 25.4 38.0#

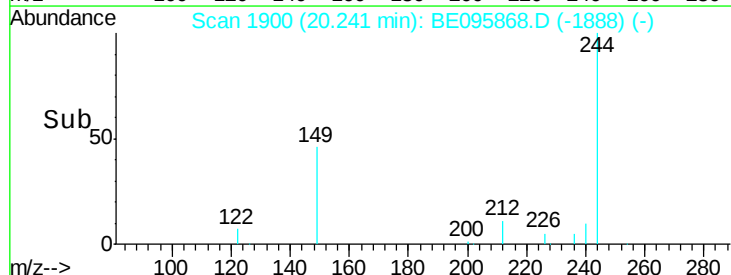
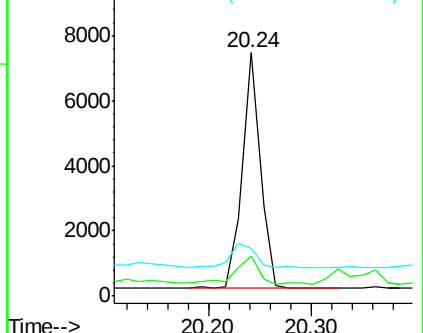
122 19.9 8.1 12.1#

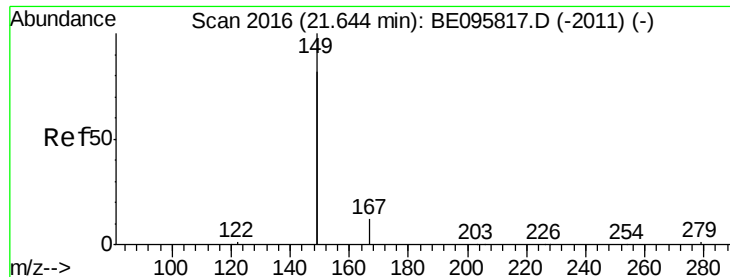


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

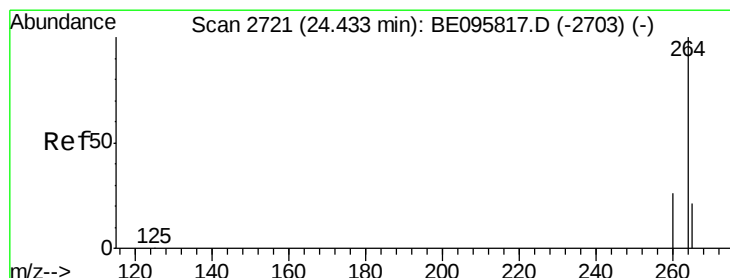
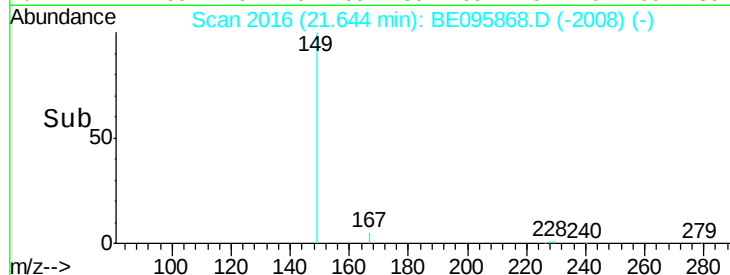
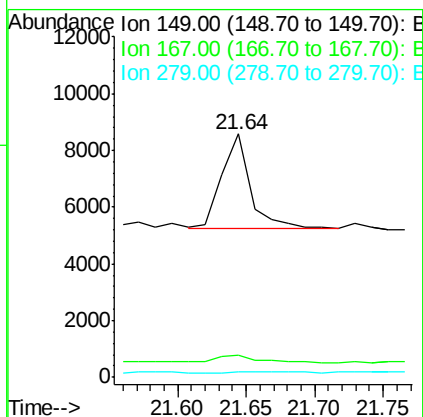
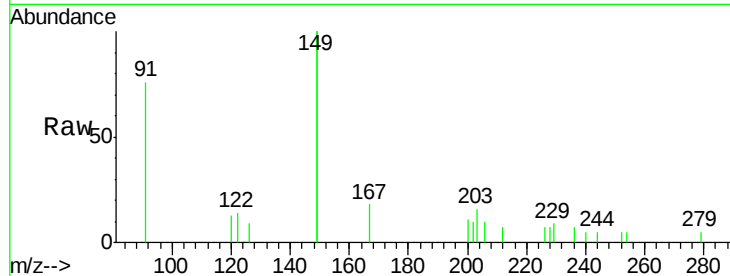




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.060 ng
 RT: 21.64 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BE095868.D
 Acq: 27 Mar 2018 14:40

Instrument :
 BNA_E
 ClientSampleID :

Tot Ion:149 Resp: 4938
 Ion Ratio Lower Upper
 149 100
 167 9.9 5.4 8.0#
 279 1.4 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2717
 Delta R.T. -0.01 min
 Lab File: BE095868.D
 Acq: 27 Mar 2018 14:40

Tgt Ion:264 Resp: 7465
 Ion Ratio Lower Upper
 264 100
 260 27.2 20.5 30.7
 265 34.0 22.8 34.2

