

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096256.D
 Acq On : 1 May 2018 13:50
 Operator : SJ/JU
 Sample : J2464-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 02 01:52:51 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	824	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3140	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1702	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3902	0.40	ng	0.00
27) Chrysene-d12	21.75	240	3749	0.40	ng	0.01
34) Perylene-d12	24.35	264	3512	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	486	0.19	ng	0.01
5) Phenol-d6	7.52	99	401	0.11	ng	0.01
8) Nitrobenzene-d5	9.54	82	1441	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	1825	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	313	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2798	0.38	ng	0.00
25) Fluoranthene-d10	19.64	212	18460	0.35	ng	0.00
29) Terphenyl-d14	20.19	244	2969	0.36	ng	0.00

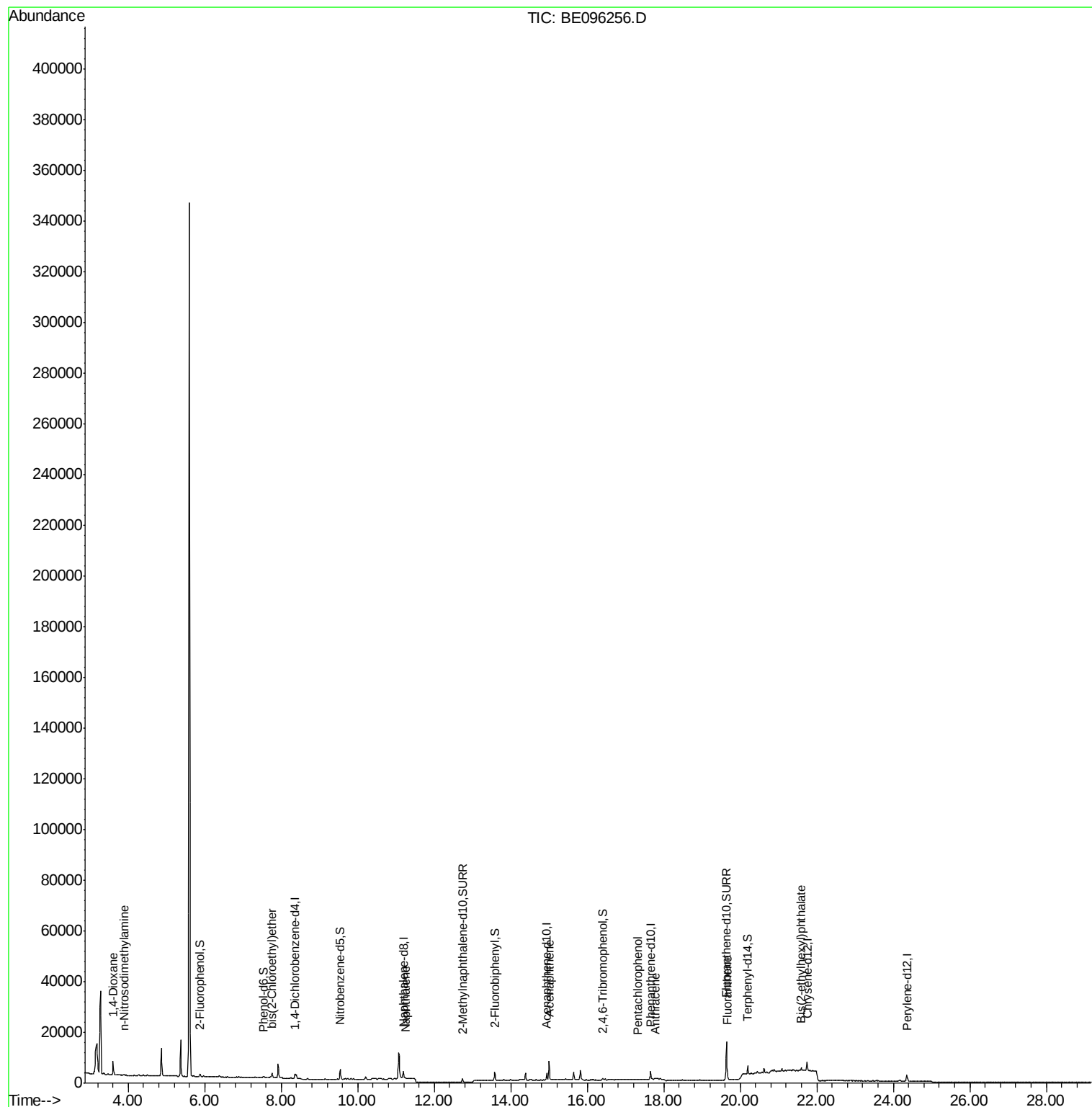
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	3982	3.128	ng	91
3) n-Nitrosodimethylamine	3.90	42	36	0.023	ng	# 24
6) bis(2-Chloroethyl)ether	7.76	93	556	0.180	ng	86
9) Naphthalene	11.24	128	1124	0.034	ng	# 80
17) Acenaphthene	15.00	154	3562	0.652	ng	90
22) Pentachlorophenol	17.31	266	23	0.157	ng	97
24) Anthracene	17.78	178	413	0.039	ng	# 71
26) Fluoranthene	19.67	202	677	0.047	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.60	149	1378	0.044	ng	# 95

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
Data File : BE096256.D
Acq On : 1 May 2018 13:50
Operator : SJ/JU
Sample : J2464-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 02 01:52:51 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration



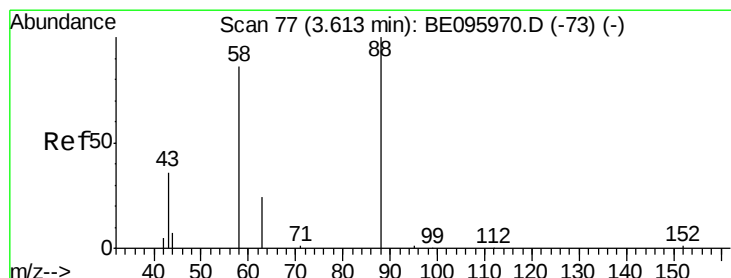
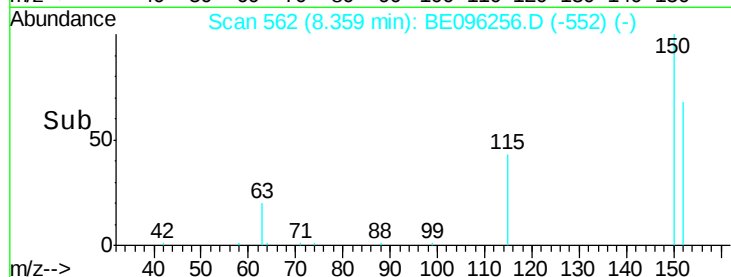
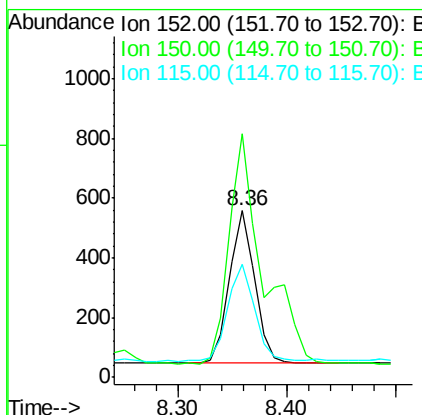
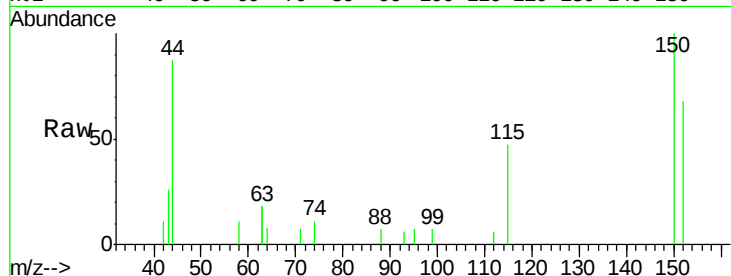


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BE096256.D
 Acq: 1 May 2018 13:50

Instrument :
 BNA_E
 ClientSampled :

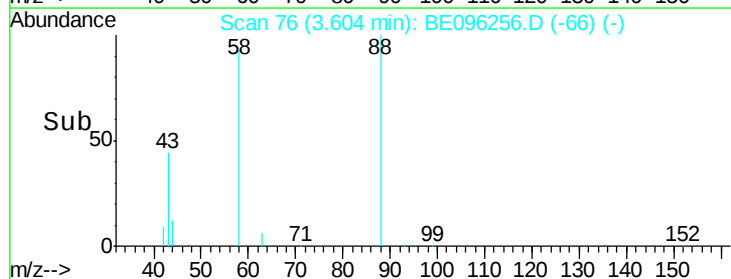
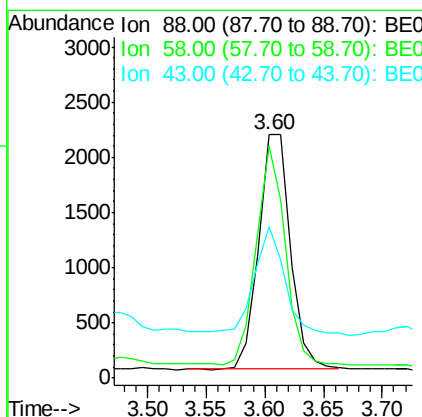
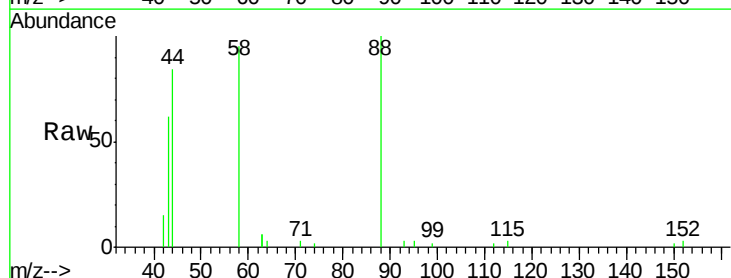
Tot Ion:152 Resp: 824
 Ion Ratio Lower Upper
 152 100
 150 146.5 117.2 175.8
 115 68.2 57.0 85.6



#2

1,4-Dioxane
 Concen: 3.128 ng
 RT: 3.60 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: BE096256.D
 Acq: 1 May 2018 13:50

Tgt Ion: 88 Resp: 3982
 Ion Ratio Lower Upper
 88 100
 58 84.4 63.2 94.8
 43 42.5 41.2 61.8



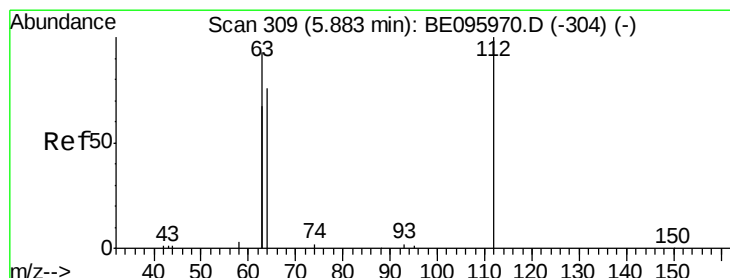
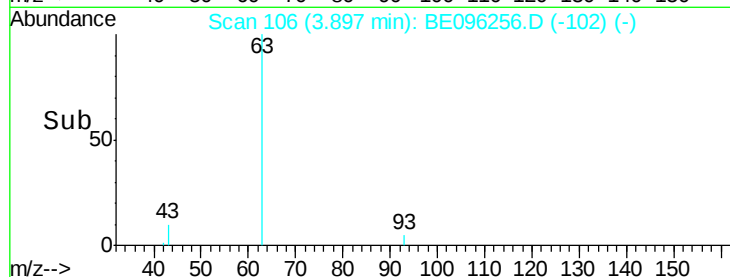
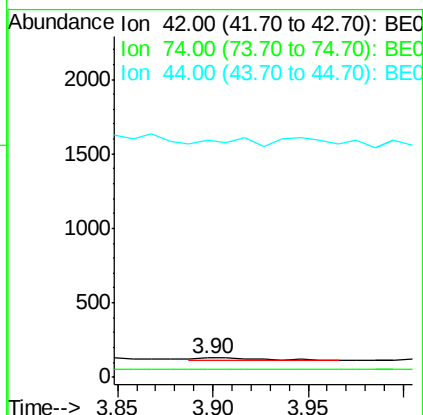
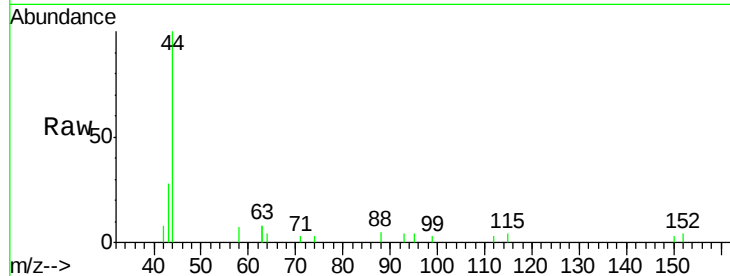


#3

n-Nitrosodimethylamine
 Concen: 0.023 ng
 RT: 3.90 min Scan# 106
 Delta R.T. -0.06 min
 Lab File: BE096256.D
 Acq: 1 May 2018 13:50

Instrument :
 BNA_E
 ClientSampleId :

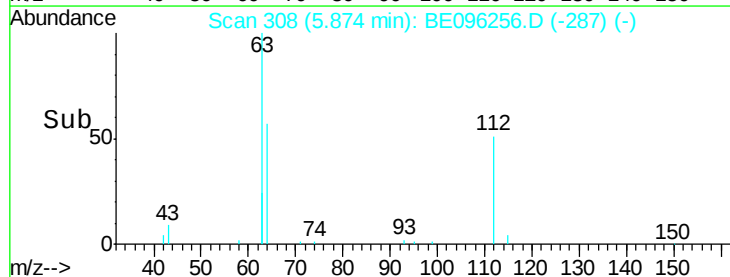
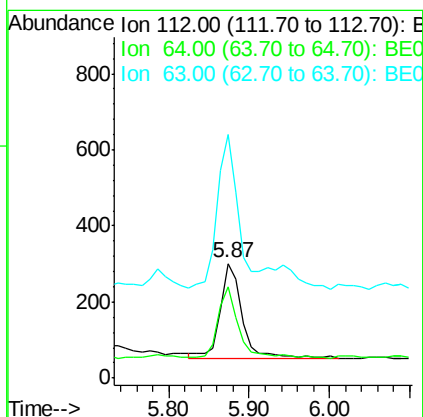
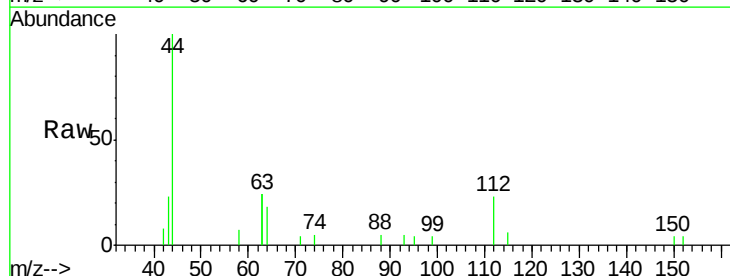
Tot Ion	Ratio	Lower	Upper
42	100		
74	38.9	96.0	144.0#
44	58.3	12.0	18.0#

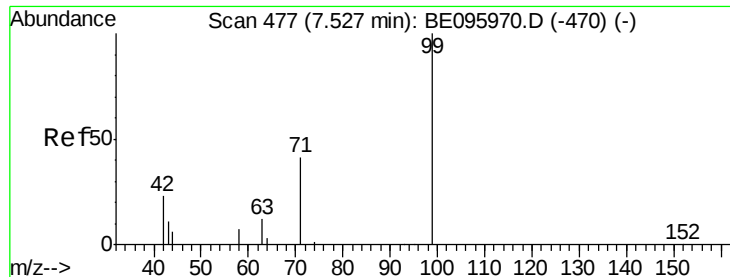


#4

2-Fluorophenol
 Concen: 0.191 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096256.D
 Acq: 1 May 2018 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	60.1	90.1
63	153.1	116.8	175.2





#5

Phenol-d6

Concen: 0.114 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampled :

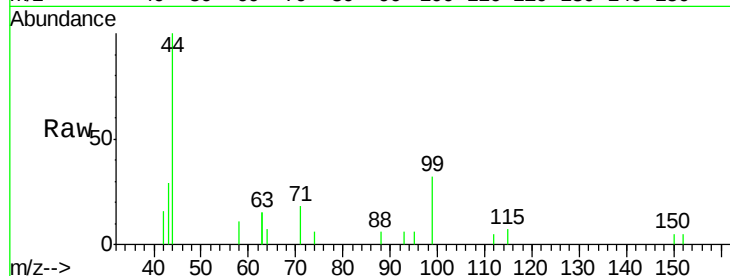
Tot Ion: 99 Resp: 401

Ion Ratio Lower Upper

99 100

42 31.4 20.2 30.2#

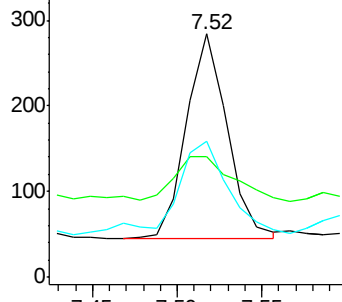
71 57.4 28.4 42.6#



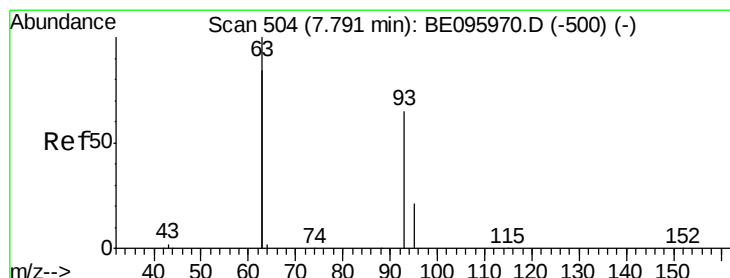
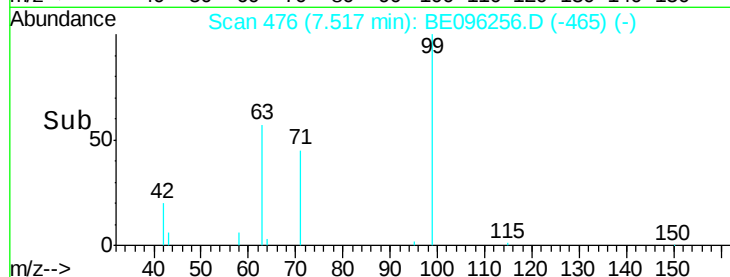
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.180 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

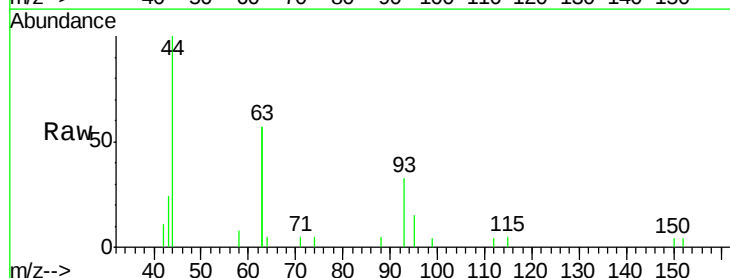
Tgt Ion: 93 Resp: 556

Ion Ratio Lower Upper

93 100

63 377.3 275.3 412.9

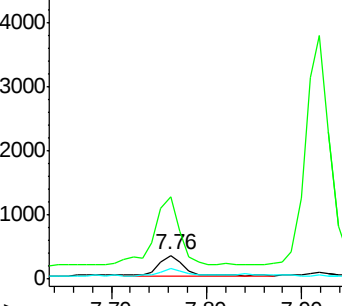
95 33.5 25.2 37.8



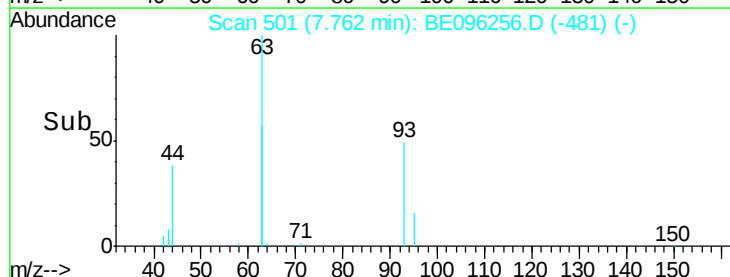
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3140

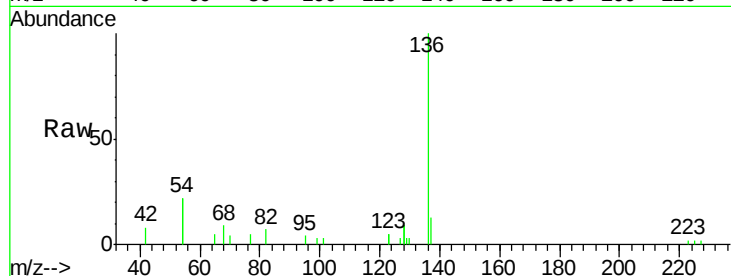
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 43.2 29.1 43.7

68 8.7 6.2 9.2

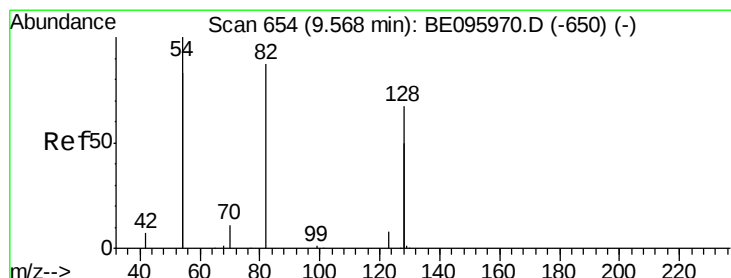
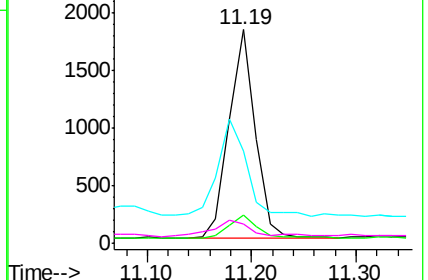
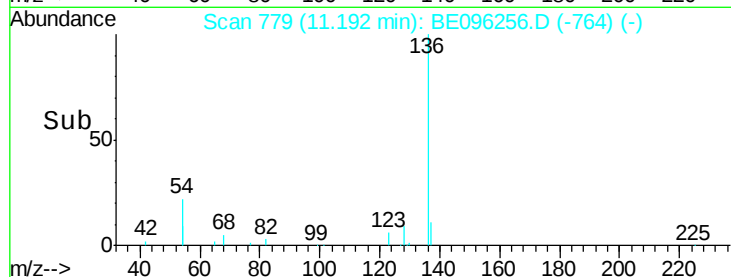


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.391 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

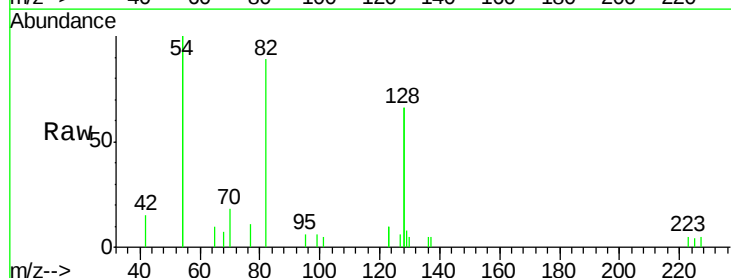
Tgt Ion: 82 Resp: 1441

Ion Ratio Lower Upper

82 100

128 147.3 150.0 225.0#

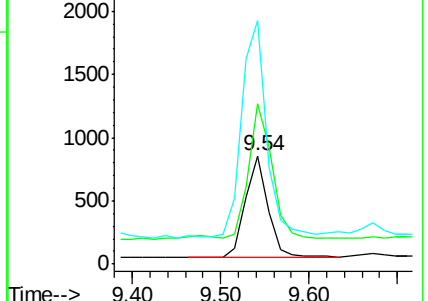
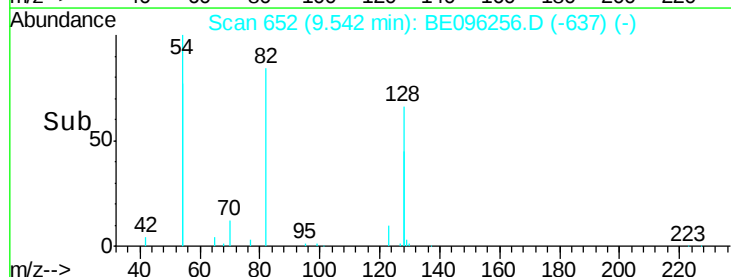
54 224.5 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.034 ng

RT: 11.24 min Scan# 783

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

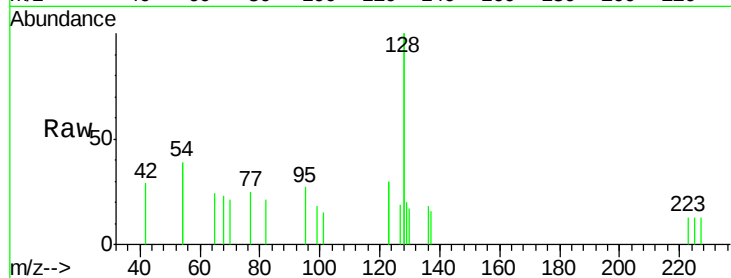
Tot Ion:128 Resp: 1124

Ion Ratio Lower Upper

128 100

129 10.1 2.6 3.8#

127 9.6 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

800

600

400

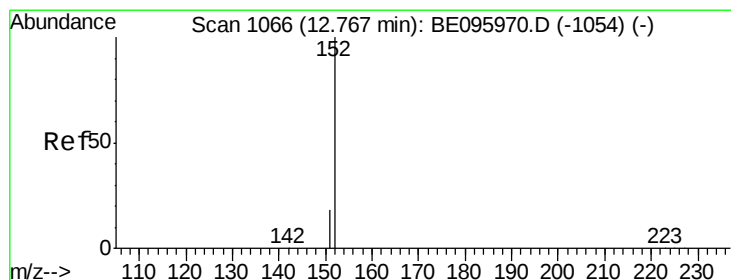
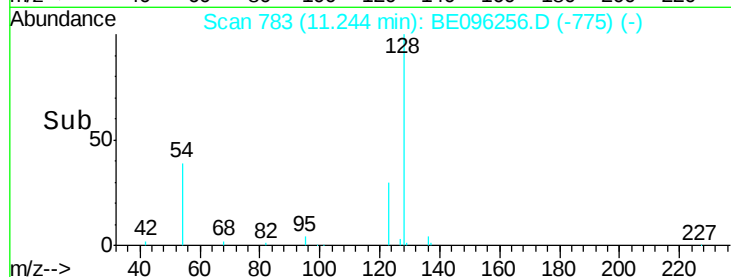
200

0

11.20 11.30

11.24

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.367 ng

RT: 12.73 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096256.D

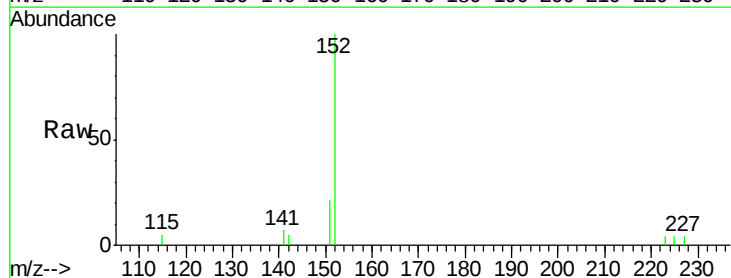
Acq: 1 May 2018 13:50

Tgt Ion:152 Resp: 1825

Ion Ratio Lower Upper

152 100

151 20.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1000

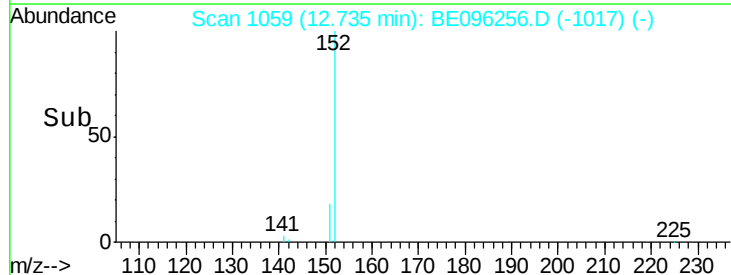
500

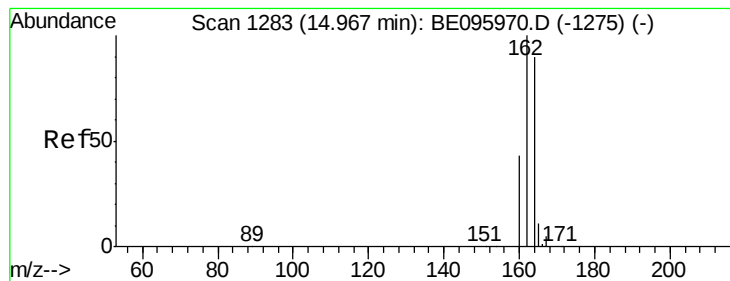
0

12.70 12.80

12.73

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

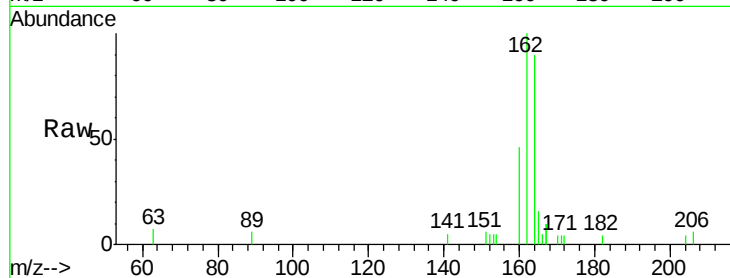
Tot Ion:164 Resp: 1702

Ion Ratio Lower Upper

164 100

162 111.2 83.1 124.7

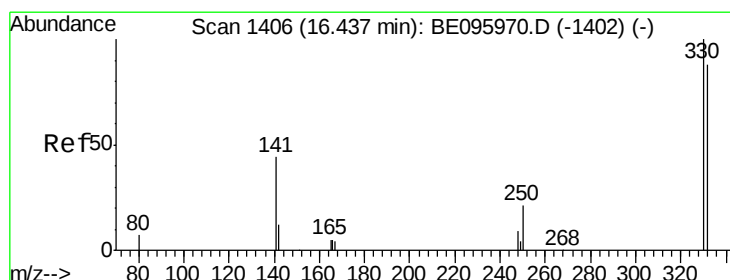
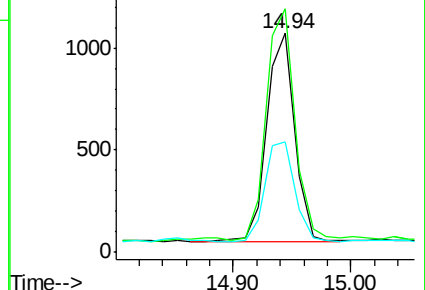
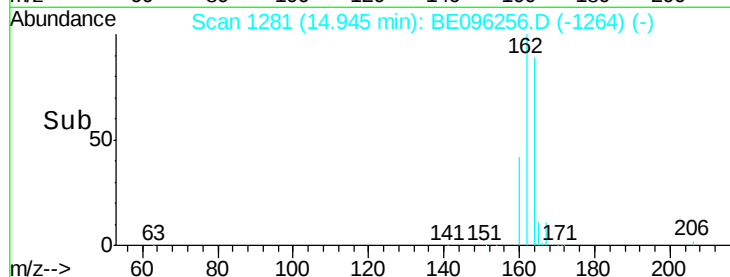
160 50.6 37.1 55.7



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: 0.381 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

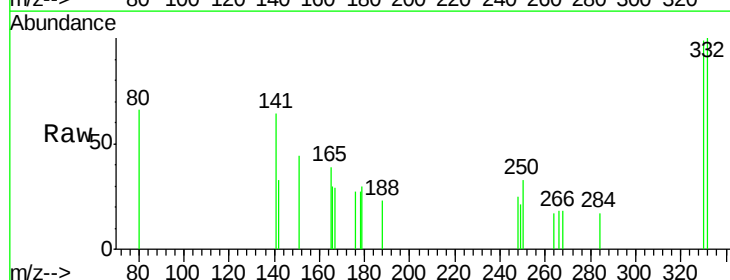
Tgt Ion:330 Resp: 313

Ion Ratio Lower Upper

330 100

332 99.0 152.7 229.1#

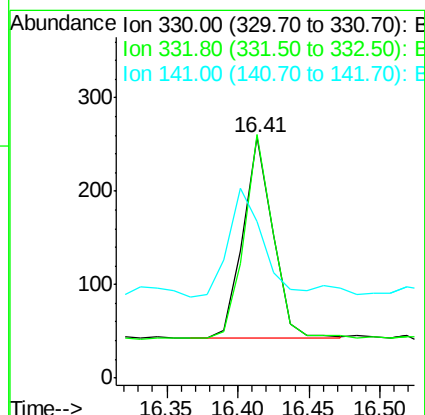
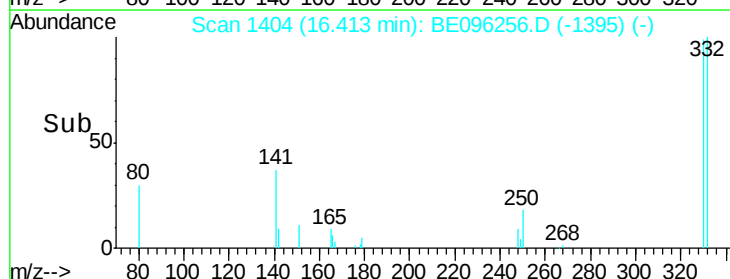
141 62.3 33.7 50.5#

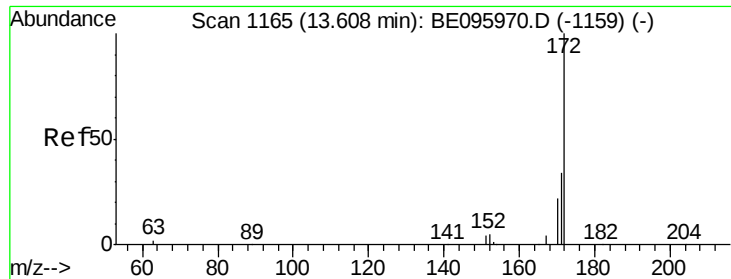


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

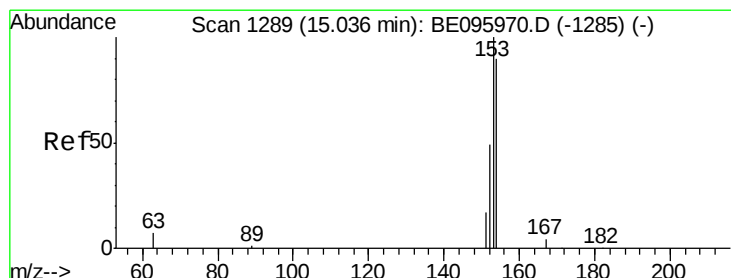
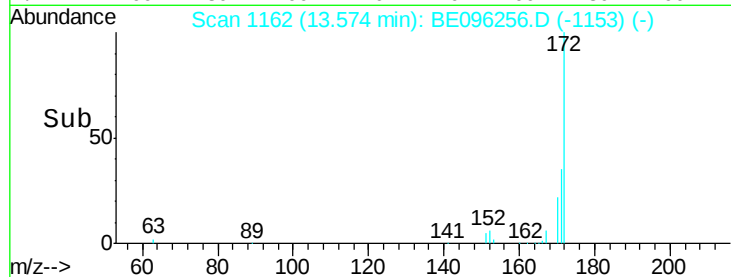
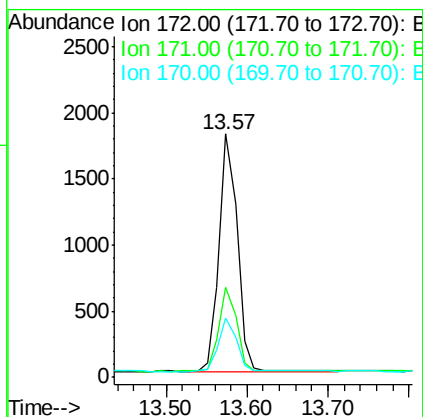
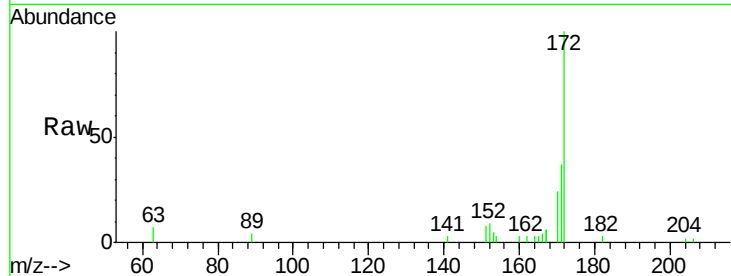




#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096256.D
Acq: 1 May 2018 13:50

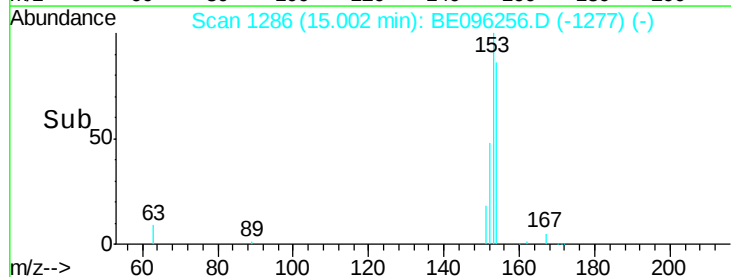
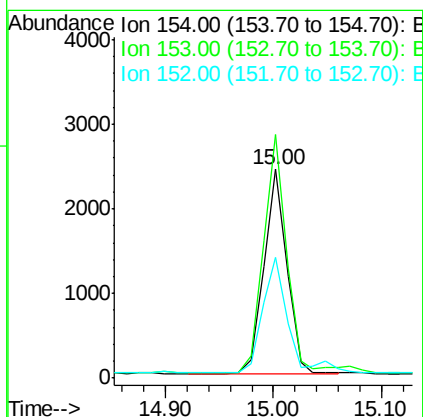
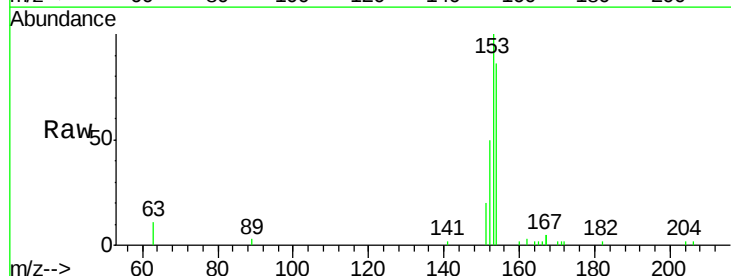
Instrument :
BNA_E
ClientSampleId :

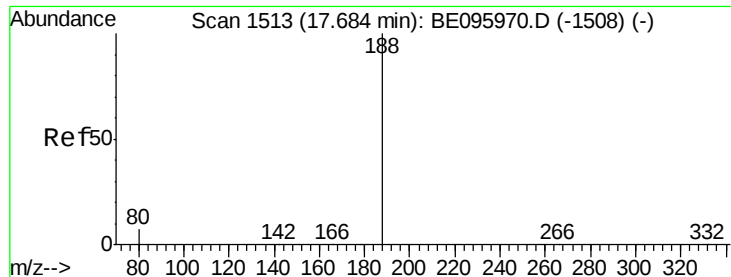
Tot Ion:172 Resp: 2798
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 24.5 21.8 32.8



#17
Acenaphthene
Concen: 0.652 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE096256.D
Acq: 1 May 2018 13:50

Tgt Ion:154 Resp: 3562
Ion Ratio Lower Upper
154 100
153 119.5 89.2 133.8
152 63.0 42.0 63.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

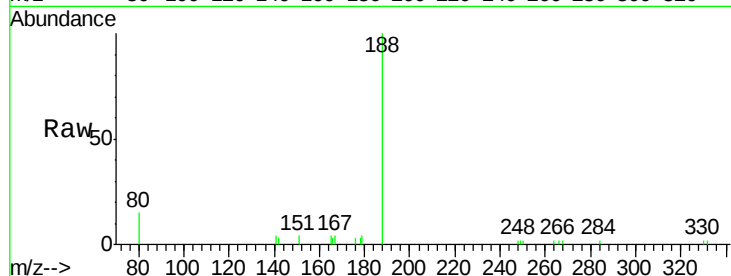
Tot Ion:188 Resp: 3902

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

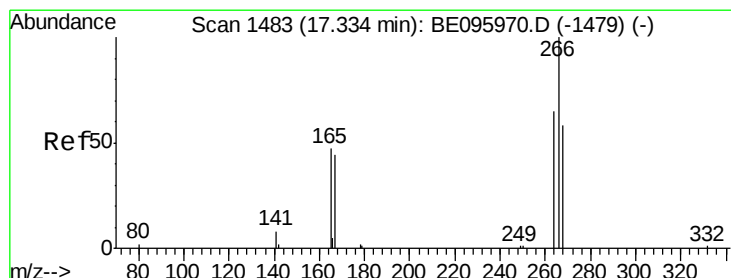
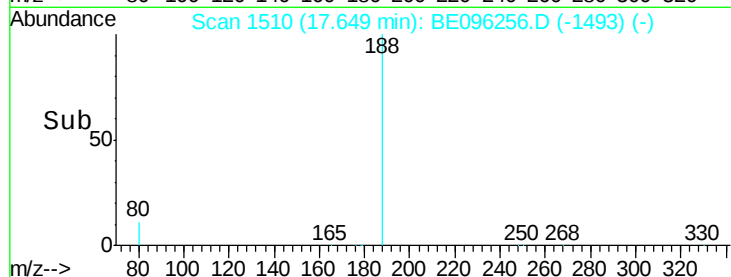
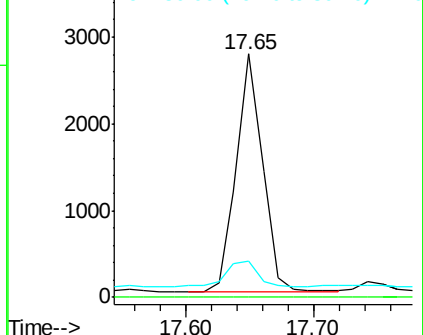
80 14.7 3.6 5.4#



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: 0.157 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

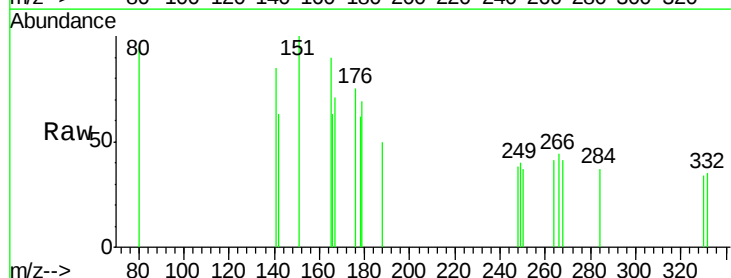
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

264 94.5 72.5 108.7

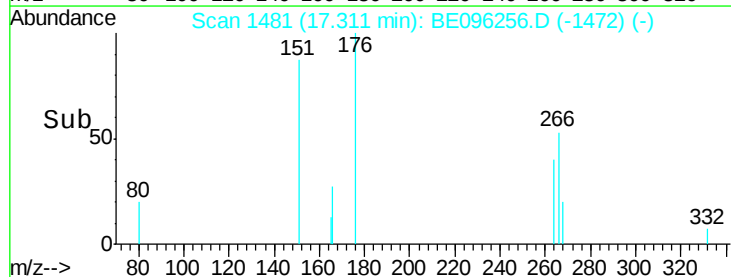
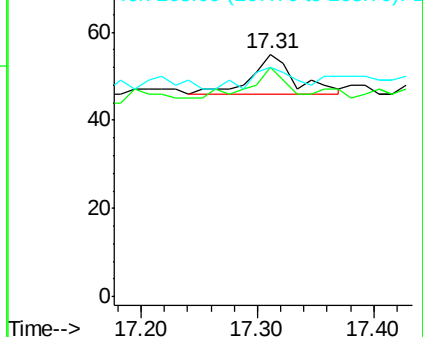
268 94.5 73.8 110.6

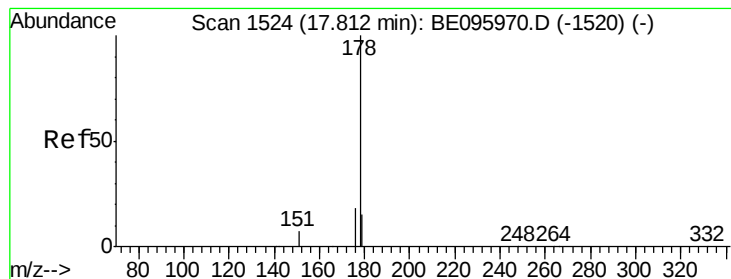


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#24

Anthracene

Concen: 0.039 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

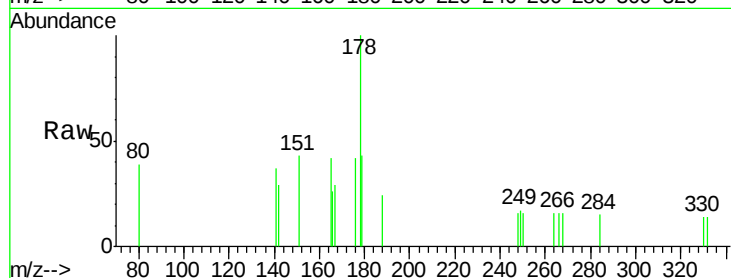
Tot Ion:178 Resp: 413

Ion Ratio Lower Upper

178 100

176 23.5 12.8 19.2#

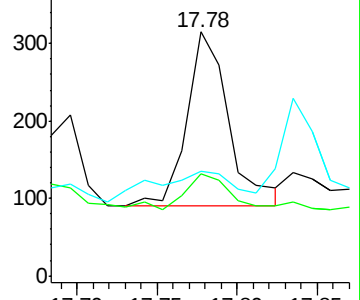
179 33.7 13.0 19.6#



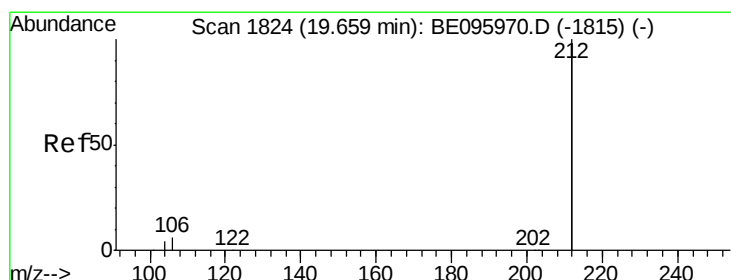
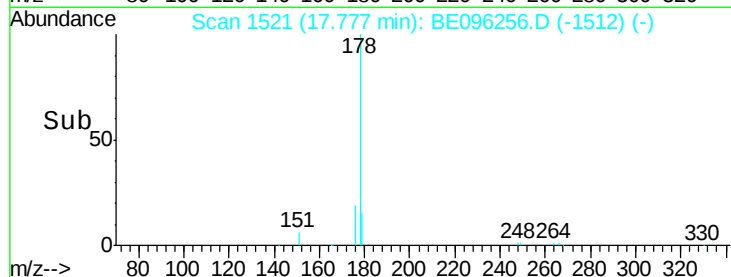
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.348 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

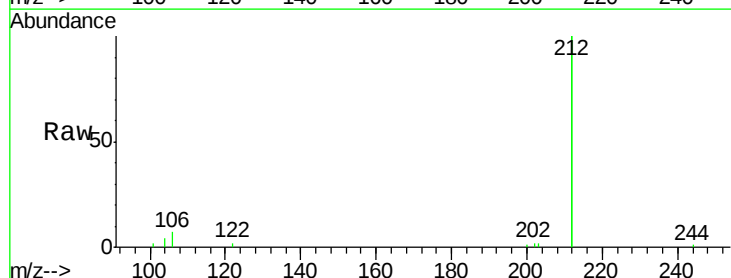
Tgt Ion:212 Resp: 18460

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

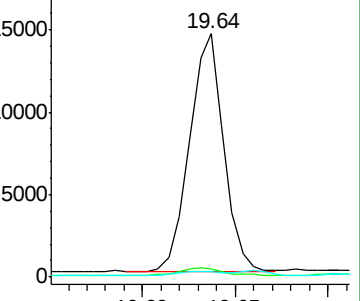
104 1.9 1.6 2.4



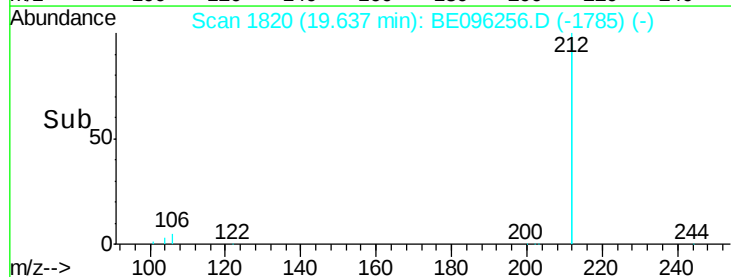
Abundance Ion 212.00 (211.70 to 212.70): E

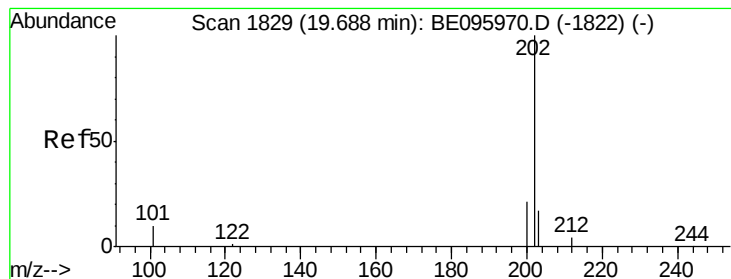
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#26

Fluoranthene

Concen: 0.047 ng

RT: 19.67 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampleId :

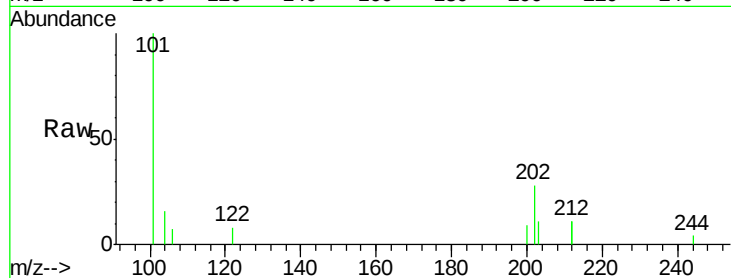
Tot Ion:202 Resp: 677

Ion Ratio Lower Upper

202 100

101 474.0 9.8 14.8#

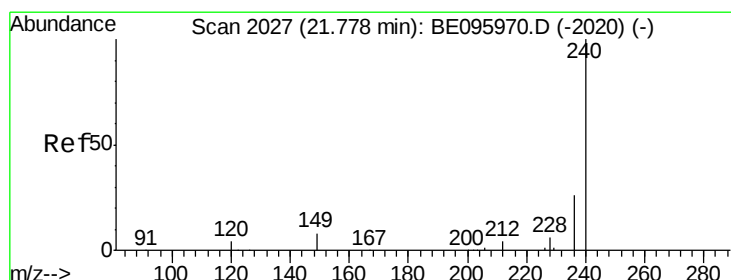
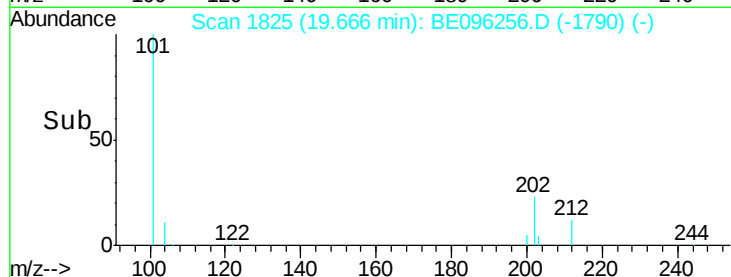
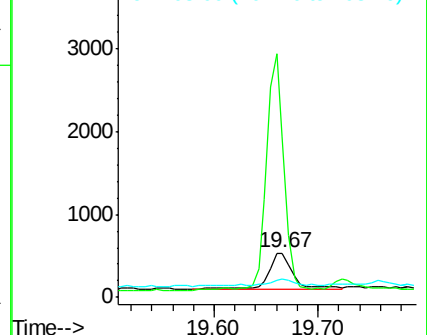
203 18.0 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

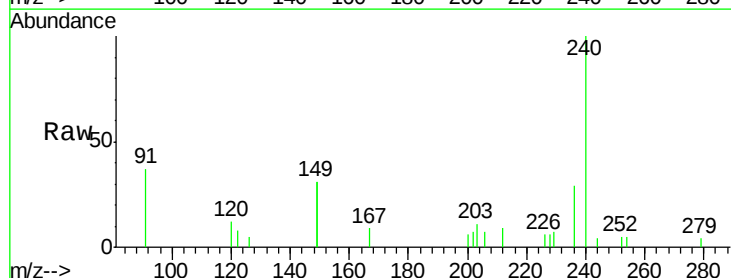
Tgt Ion:240 Resp: 3749

Ion Ratio Lower Upper

240 100

120 11.9 5.5 8.3#

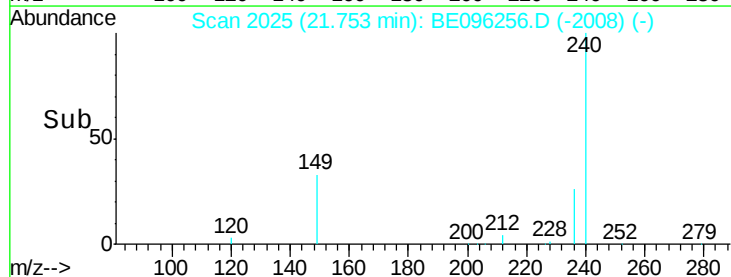
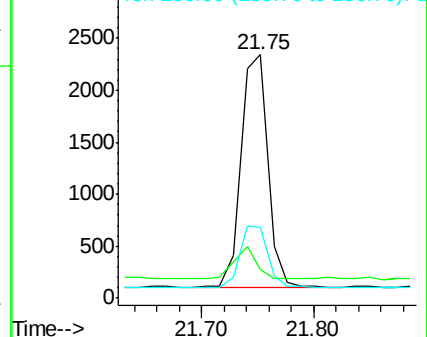
236 29.2 20.7 31.1

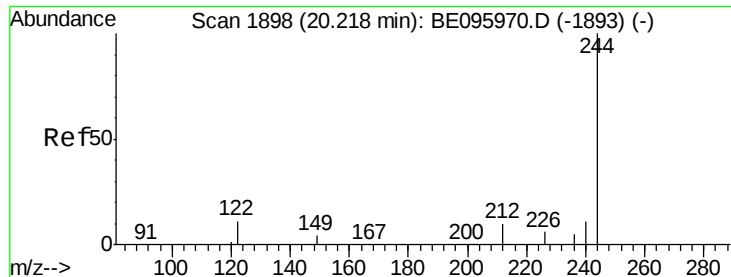


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.358 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

Instrument :

BNA_E

ClientSampled :

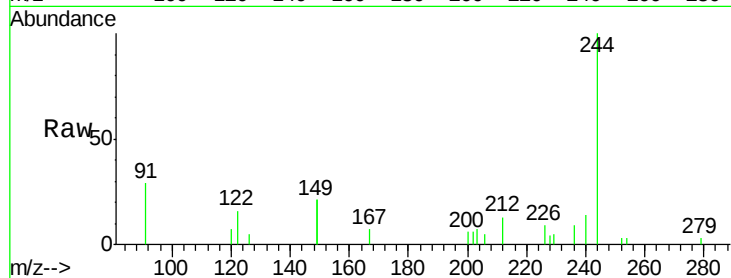
Tot Ion:244 Resp: 2969

Ion Ratio Lower Upper

244 100

212 13.2 25.4 38.0#

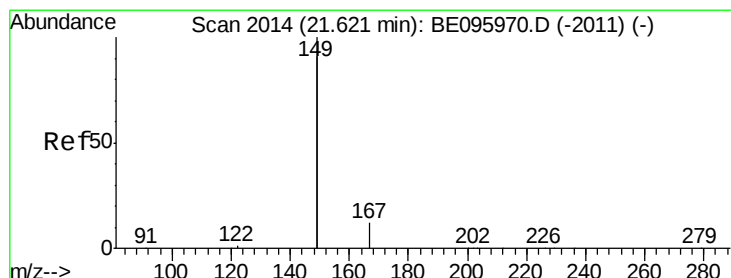
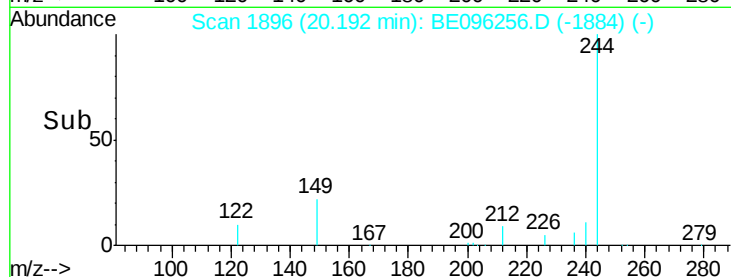
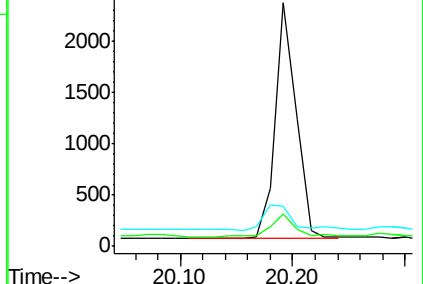
122 16.3 8.1 12.1#



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: 0.044 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096256.D

Acq: 1 May 2018 13:50

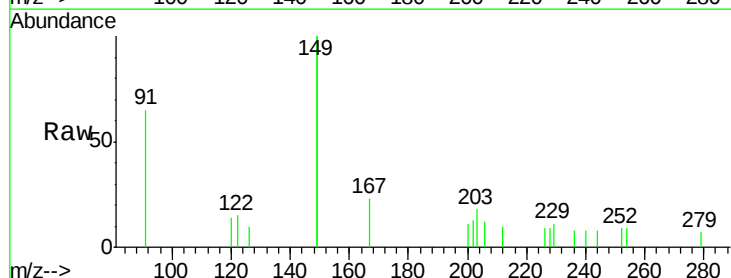
Tgt Ion:149 Resp: 1378

Ion Ratio Lower Upper

149 100

167 8.4 5.4 8.0#

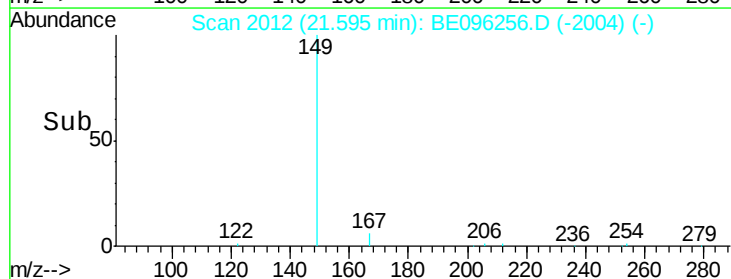
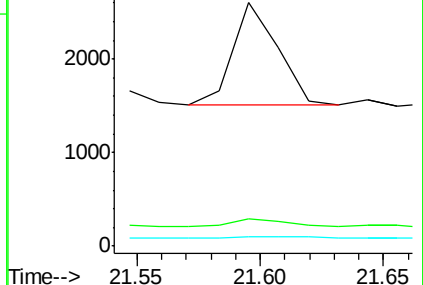
279 3.3 0.7 1.1#

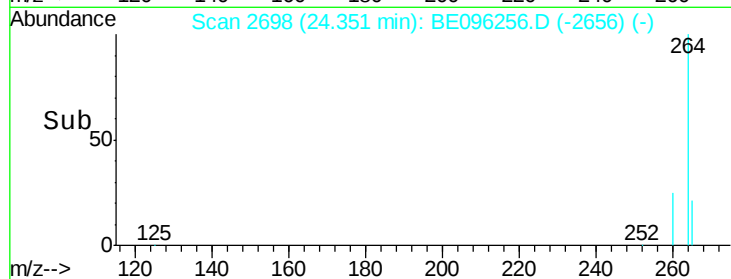
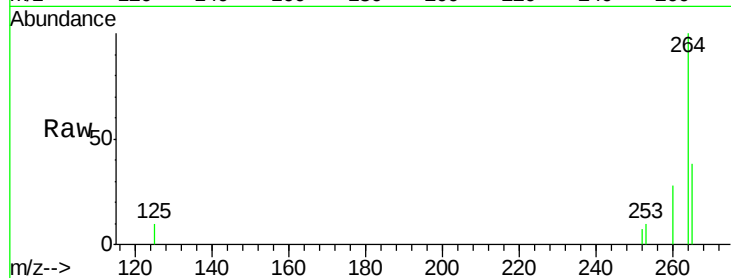
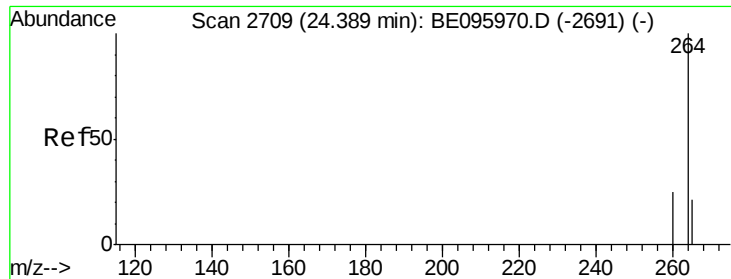


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.35 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE096256.D
 Acq: 1 May 2018 13:50

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:264 Resp: 3512
 Ion Ratio Lower Upper
 264 100
 260 28.4 20.5 30.7
 265 37.8 22.8 34.2#

