

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
 Data File : BE096222.D
 Acq On : 30 Apr 2018 15:21
 Operator : SJ/JU
 Sample : J2463-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 30 16:22:43 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	822	0.40	ng	0.00
7) Naphthalene-d8	11.20	136	2894	0.40	ng	0.01
13) Acenaphthene-d10	14.93	164	9337	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	3782	0.40	ng	0.00
27) Chrysene-d12	21.75	240	3798	0.40	ng	0.01
34) Perylene-d12	24.35	264	3743	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.87	112	554	0.22	ng	0.00
5) Phenol-d6	7.52	99	601	0.17	ng	0.00
8) Nitrobenzene-d5	9.54	82	2311	0.68	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1778	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	338	0.07	ng	0.00
15) 2-Fluorobiphenyl	13.59	172	2535	0.06	ng	0.01
25) Fluoranthene-d10	19.64	212	17476	0.34	ng	0.00
29) Terphenyl-d14	20.19	244	2452	0.29	ng	0.00

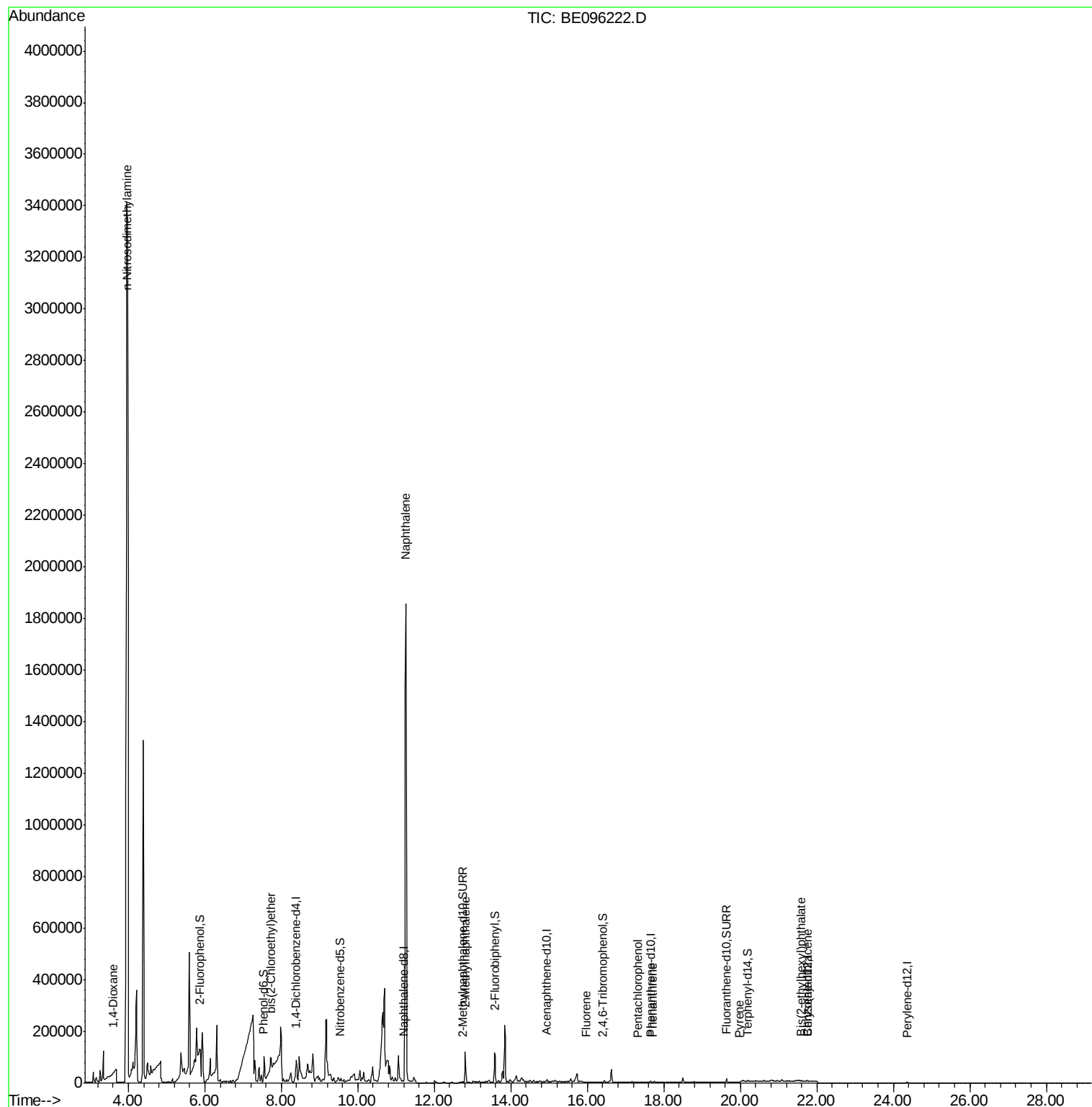
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.60	88	278	0.219	ng	# 1
3) n-Nitrosodimethylamine	3.98	42	657359	422.565	ng	# 1
6) bis(2-Chloroethyl)ether	7.73	93	1225	0.397	ng	# 1
9) Naphthalene	11.26	128	3187679	104.482	ng	99
12) 2-Methylnaphthalene	12.81	142	78660	15.577	ng	95
18) Fluorene	15.97	166	1780	0.048	ng	# 74
22) Pentachlorophenol	17.31	266	28	0.163	ng	89
23) Phenanthrene	17.70	178	792	0.075	ng	# 61
28) Pyrene	19.98	202	473	0.063	ng	# 79
30) Benzo(a)anthracene	21.77	228	301	0.025	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.60	149	1854	0.059	ng	# 97

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

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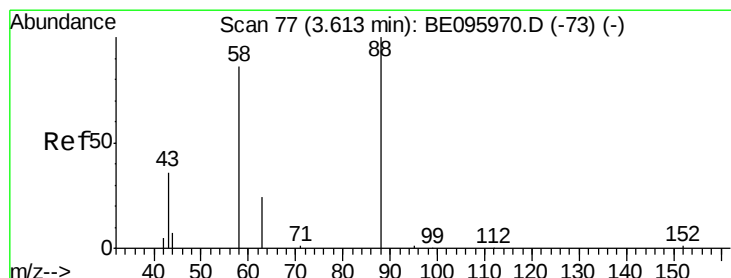
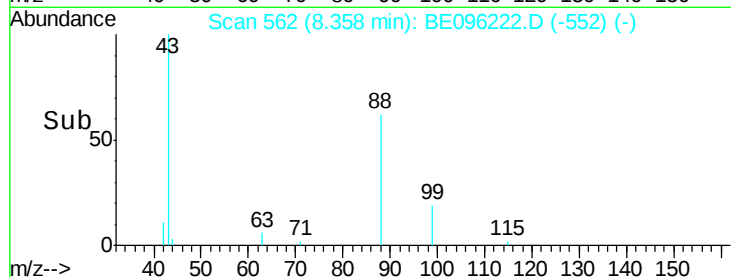
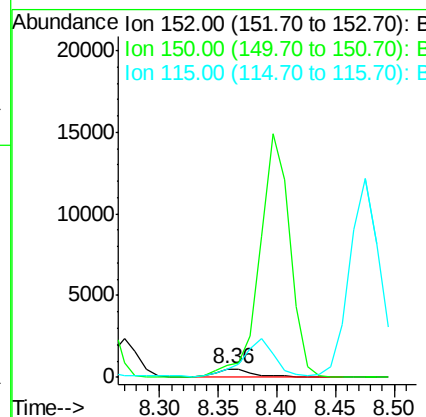
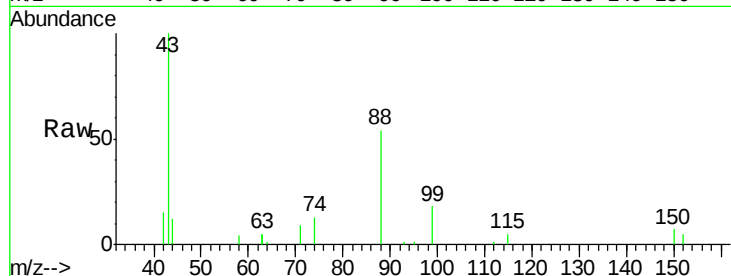


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. -0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Instrument :
BNA_E
ClientSampleId :

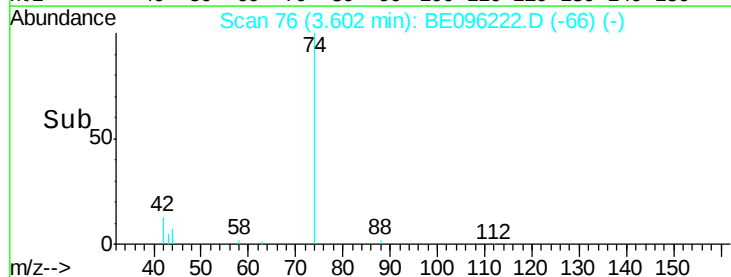
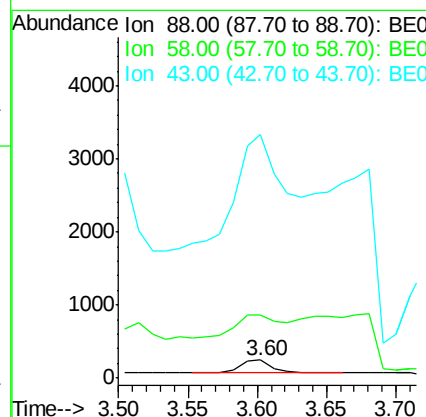
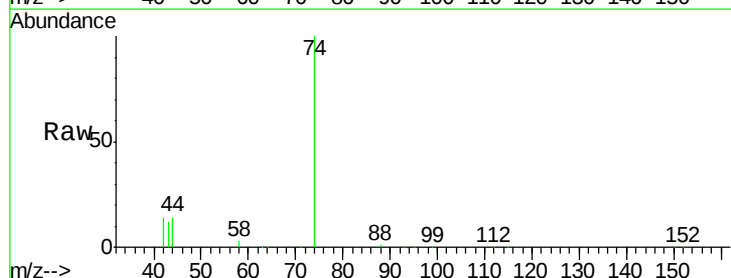
Tot Ion:152 Resp: 822
Ion Ratio Lower Upper
152 100
150 139.1 117.2 175.8
115 94.7 57.0 85.6#

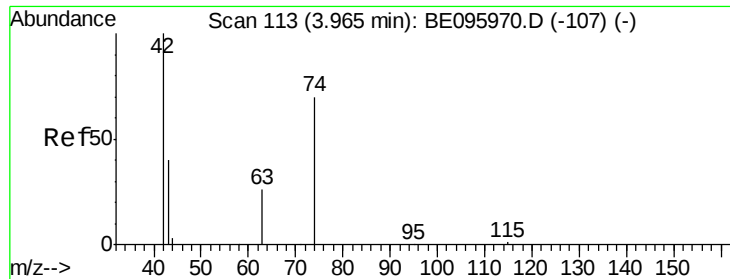


#2

1,4-Dioxane
Concen: 0.219 ng
RT: 3.60 min Scan# 76
Delta R.T. -0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion: 88 Resp: 278
Ion Ratio Lower Upper
88 100
58 244.2 63.2 94.8#
43 1174.5 41.2 61.8#



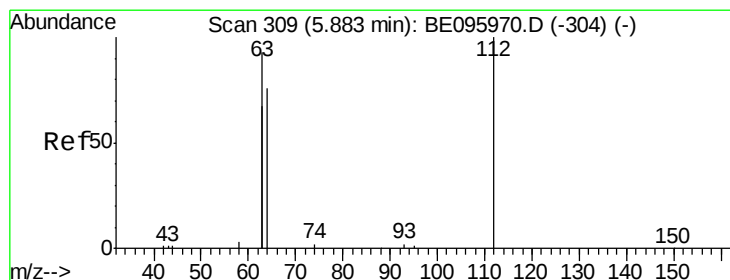
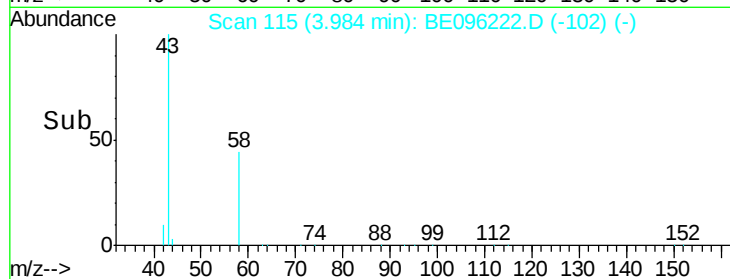
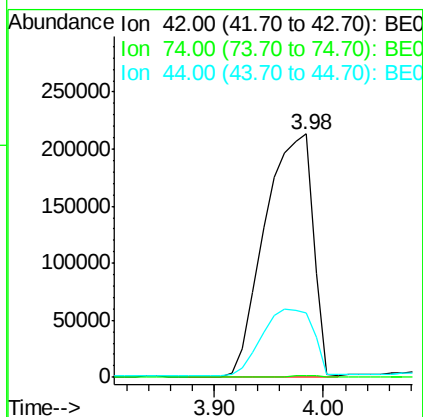
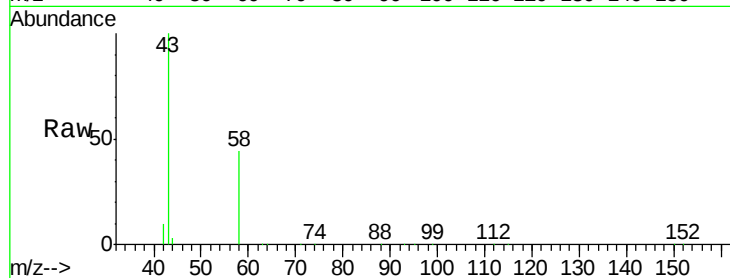


#3

n-Nitrosodimethylamine
 Concen: 422.565 ng
 RT: 3.98 min Scan# 115
 Delta R.T. 0.03 min
 Lab File: BE096222.D
 Acq: 30 Apr 2018 15:21

Instrument :
 BNA_E
 ClientSampleId :

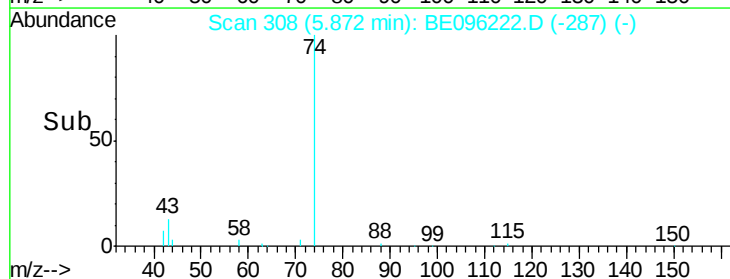
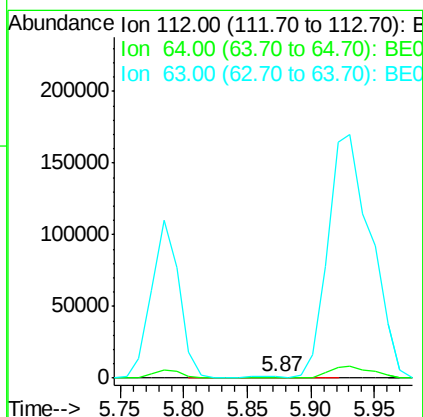
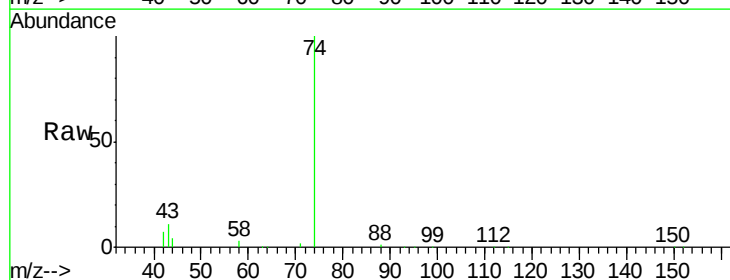
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.4	96.0	144.0#
44	0.0	12.0	18.0#

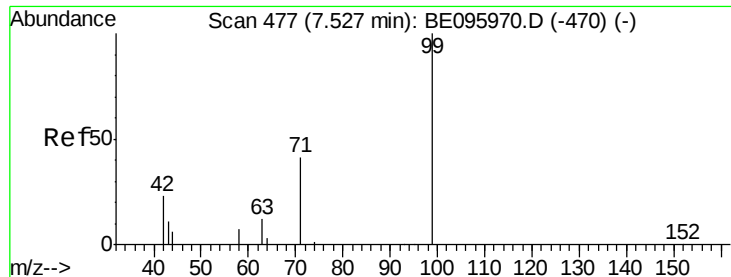


#4

2-Fluorophenol
 Concen: 0.218 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096222.D
 Acq: 30 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	60.1	90.1#
63	0.0	116.8	175.2#





#5

Phenol-d6

Concen: 0.171 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

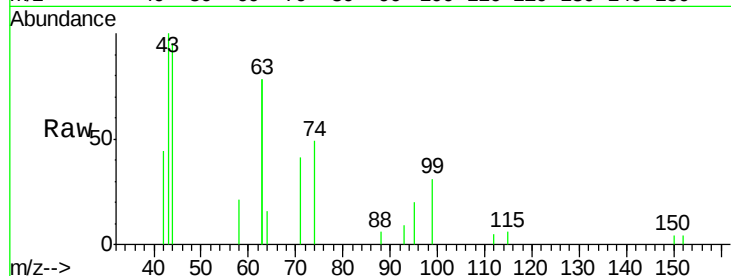
Tot Ion: 99 Resp: 601

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

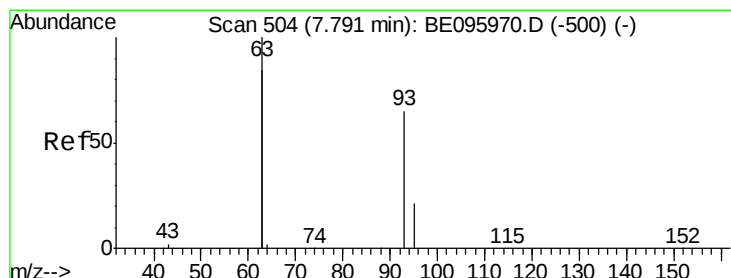
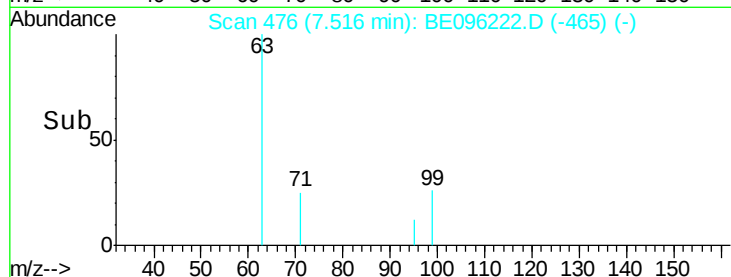
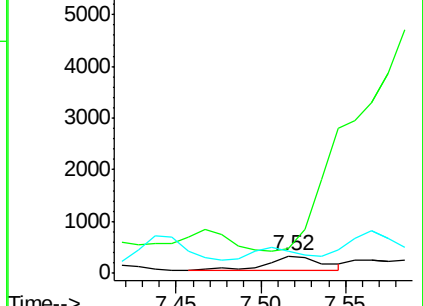
71 81.7 28.4 42.6#



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: 0.397 ng

RT: 7.73 min Scan# 498

Delta R.T. -0.03 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

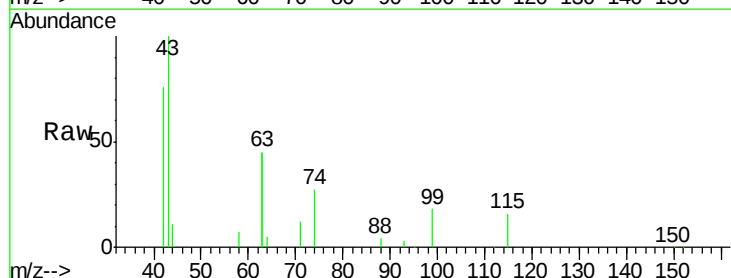
Tgt Ion: 93 Resp: 1225

Ion Ratio Lower Upper

93 100

63 3919.9 275.3 412.9#

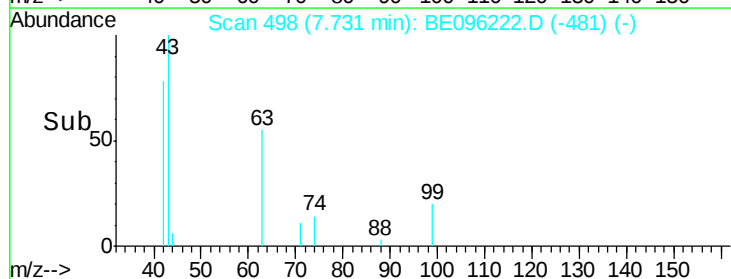
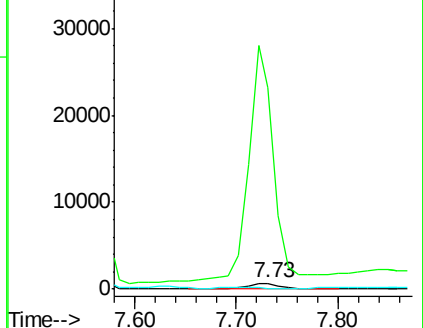
95 12.7 25.2 37.8#

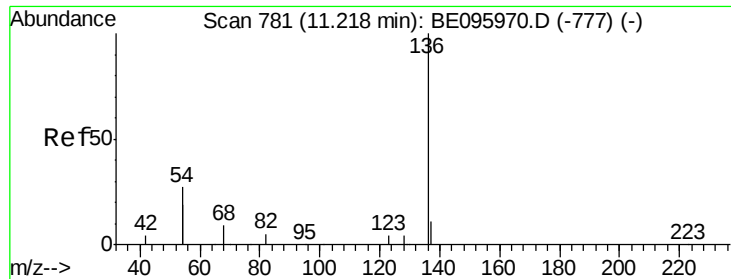


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.20 min Scan# 780

Delta R.T. 0.01 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 2894

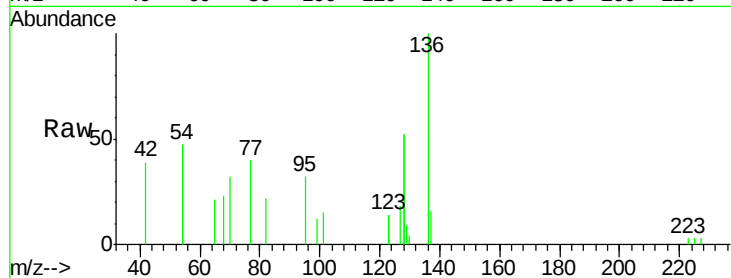
Ion Ratio Lower Upper

136 100

137 15.6 9.5 14.3#

54 93.5 29.1 43.7#

68 22.8 6.2 9.2#

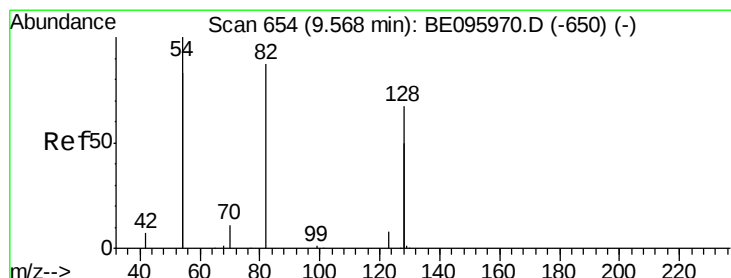
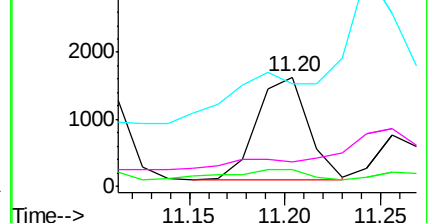
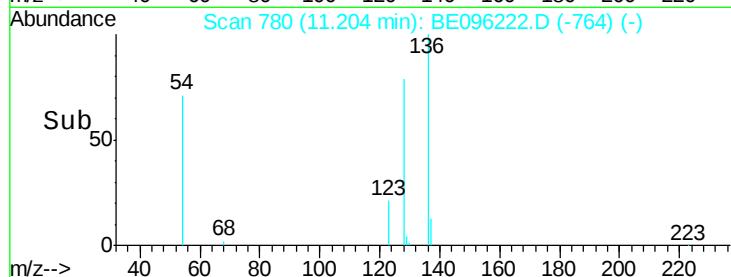


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.681 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

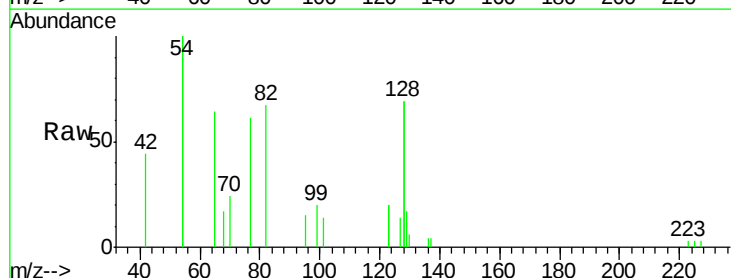
Tgt Ion: 82 Resp: 2311

Ion Ratio Lower Upper

82 100

128 204.9 150.0 225.0

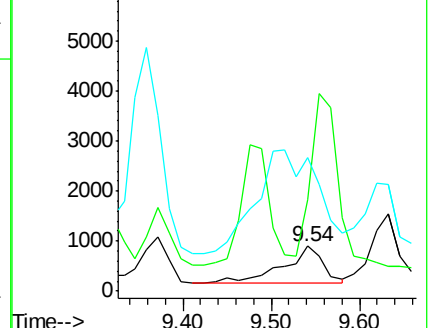
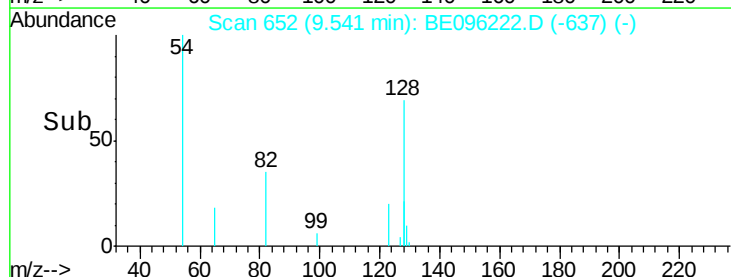
54 299.0 154.2 231.4#

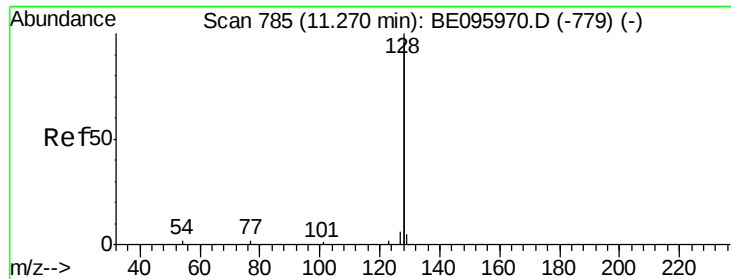


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 104.482 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.01 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

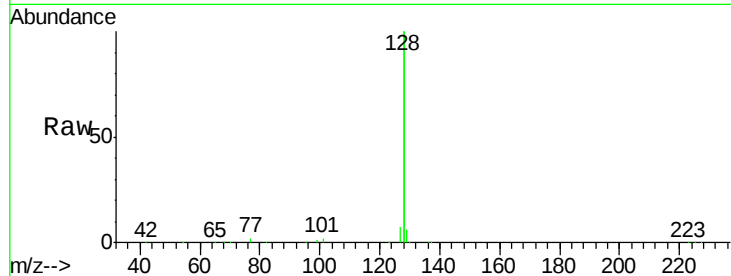
Tot Ion:128 Resp: 3187679

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

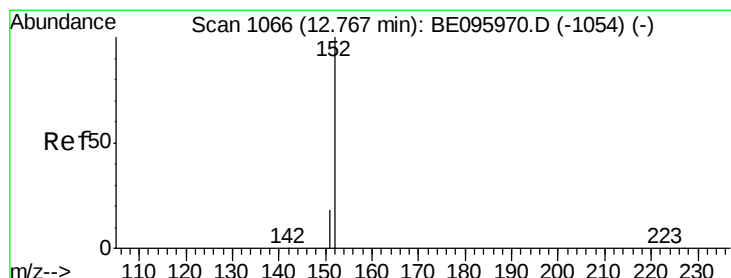
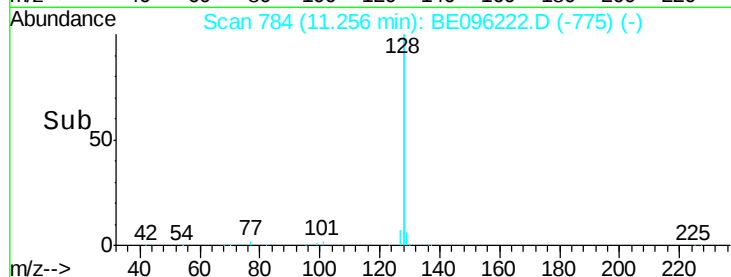
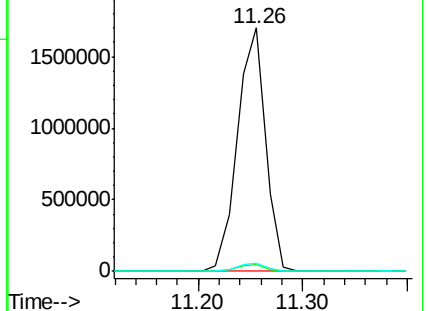
127 3.4 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.74 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE096222.D

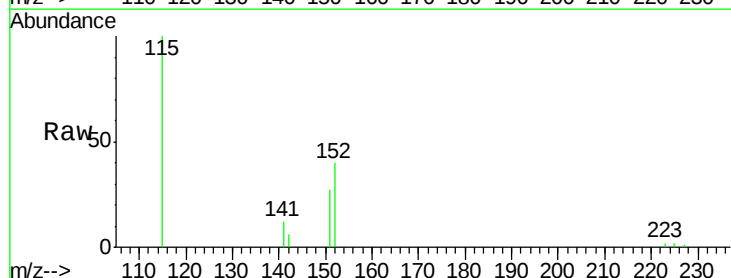
Acq: 30 Apr 2018 15:21

Tgt Ion:152 Resp: 1778

Ion Ratio Lower Upper

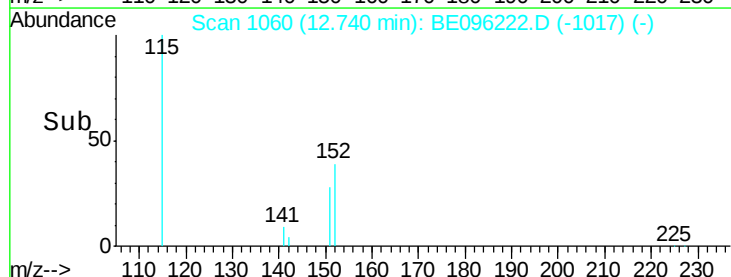
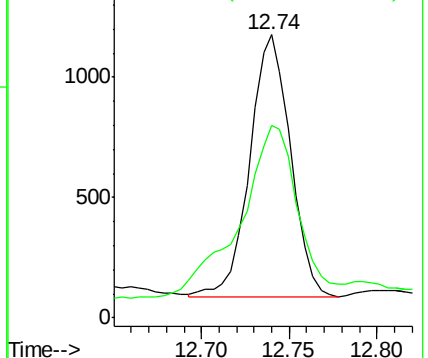
152 100

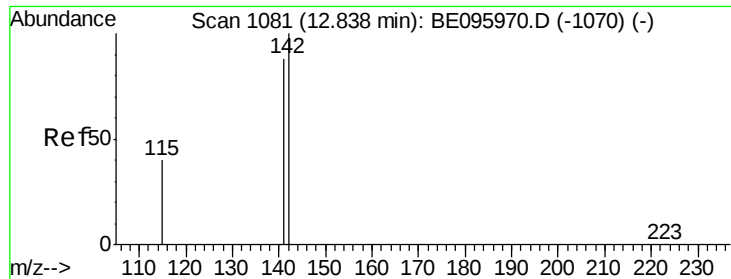
151 94.1 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

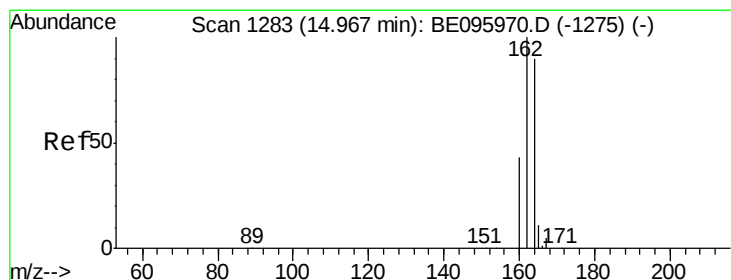
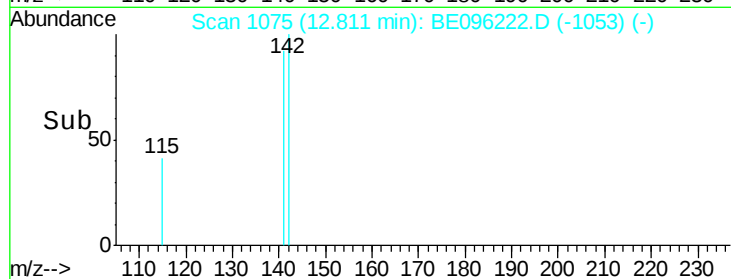
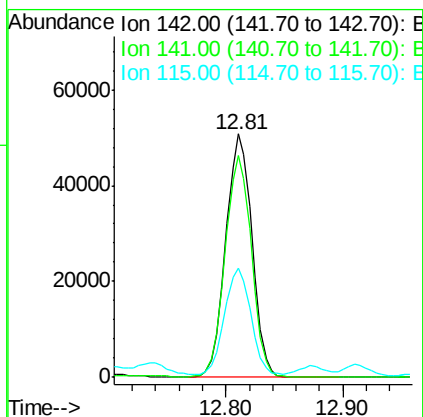
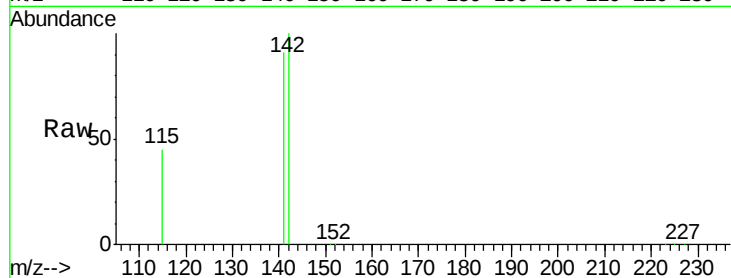




#12
2-Methylnaphthalene
Concen: 15.577 ng
RT: 12.81 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

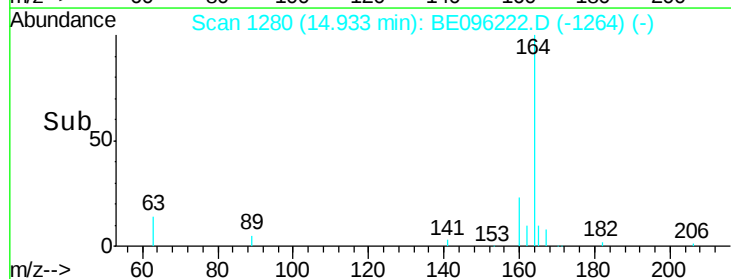
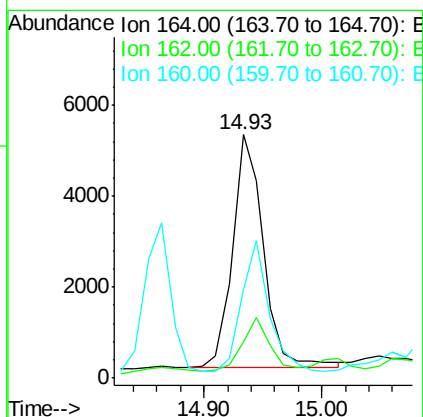
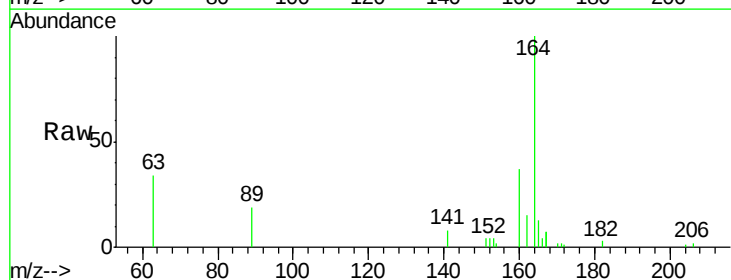
Instrument :
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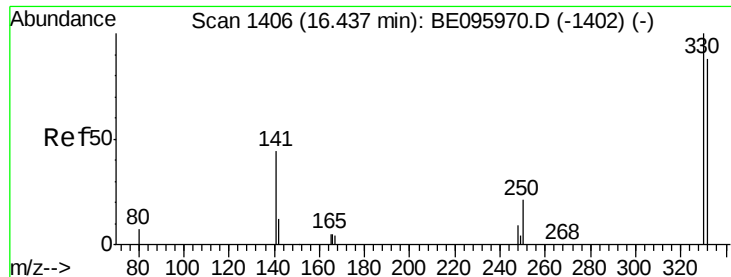
Tot Ion:142 Resp: 78660
Ion Ratio Lower Upper
142 100
141 91.4 70.4 105.6
115 44.8 31.7 47.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.93 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion:164 Resp: 9337
Ion Ratio Lower Upper
164 100
162 15.1 83.1 124.7#
160 36.7 37.1 55.7#

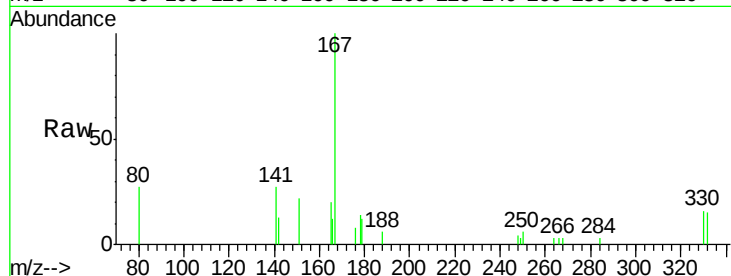




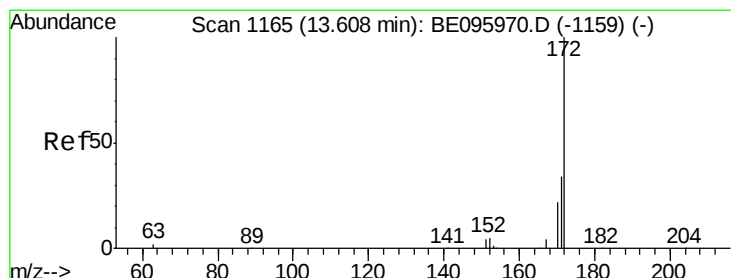
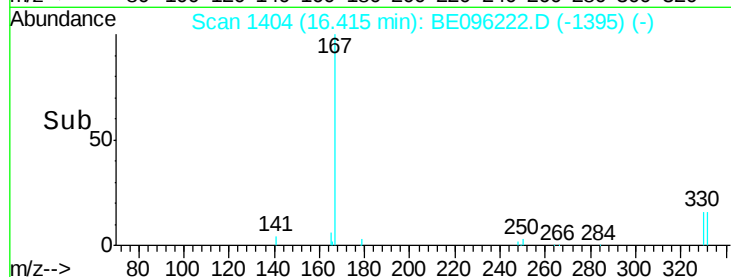
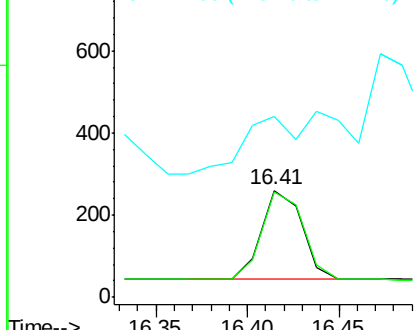
#14
2,4,6-Tribromophenol
Concen: 0.075 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Instrument :
BNA_E
ClientSampled :

Tot Ion:330 Resp: 338
Ion Ratio Lower Upper
330 100
332 100.0 152.7 229.1#
141 80.8 33.7 50.5#

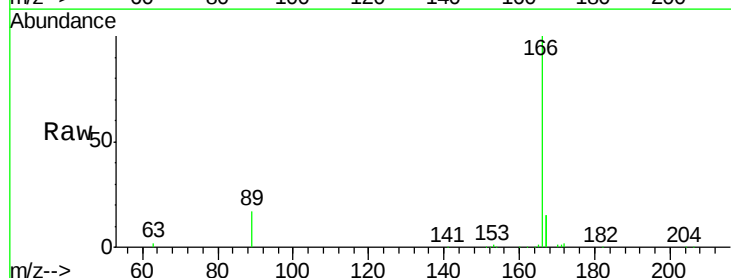


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

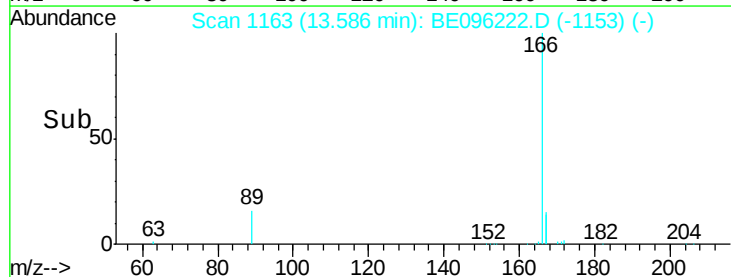
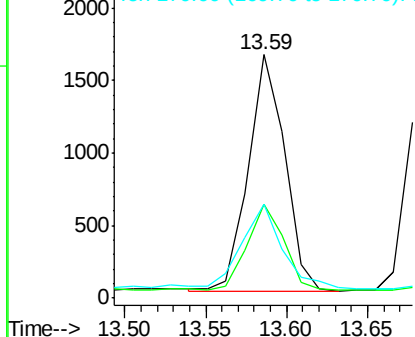


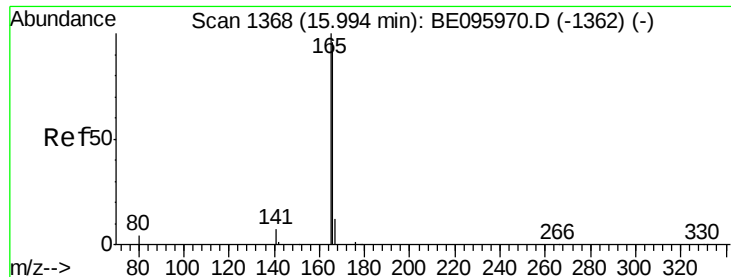
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 13.59 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion:172 Resp: 2535
Ion Ratio Lower Upper
172 100
171 38.7 29.9 44.9
170 38.5 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





#18

Fluorene

Concen: 0.048 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

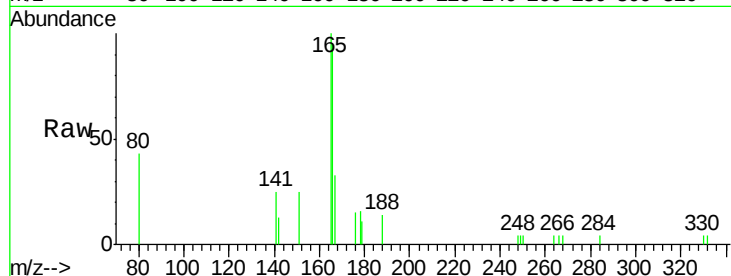
Tot Ion:166 Resp: 1780

Ion Ratio Lower Upper

166 100

165 86.5 77.8 116.6

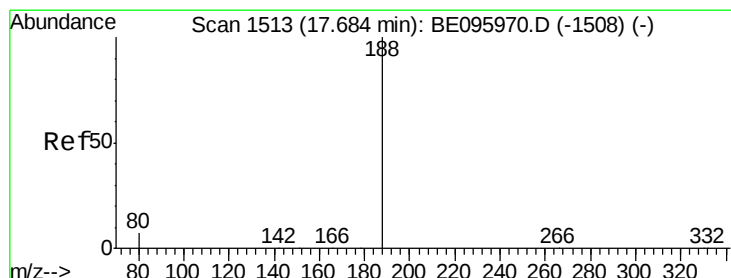
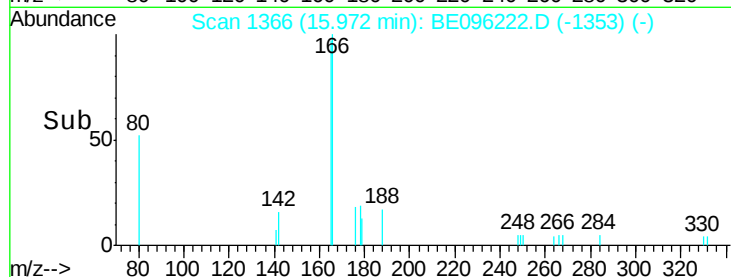
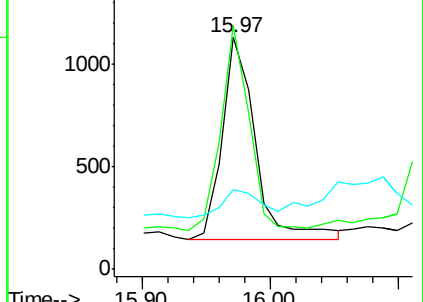
167 15.7 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

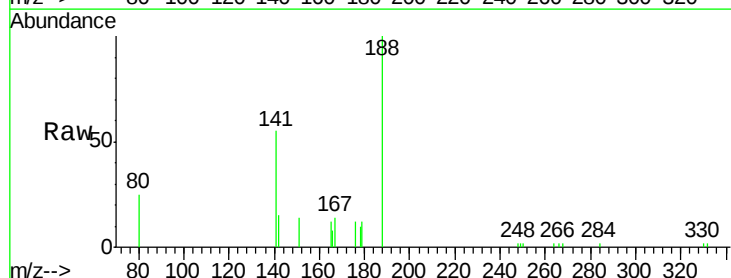
Tgt Ion:188 Resp: 3782

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

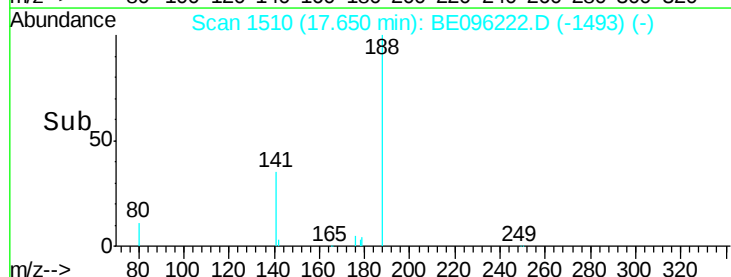
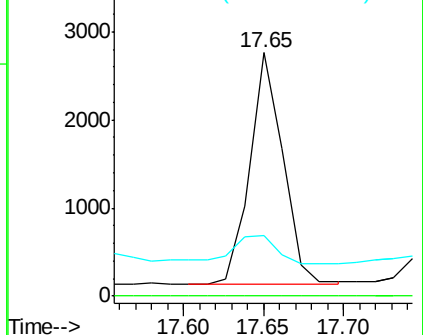
80 25.0 3.6 5.4#

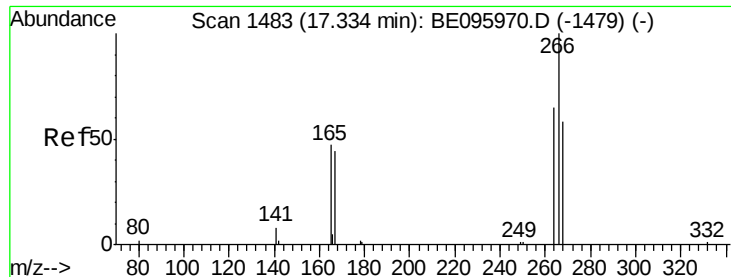


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

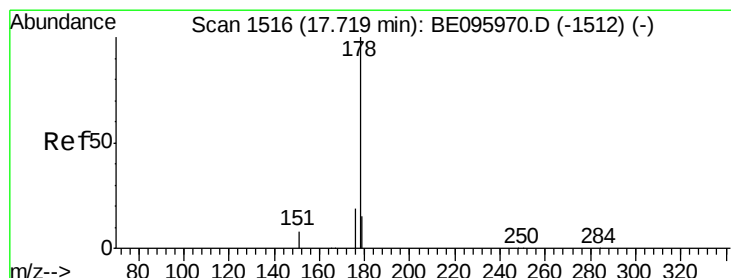
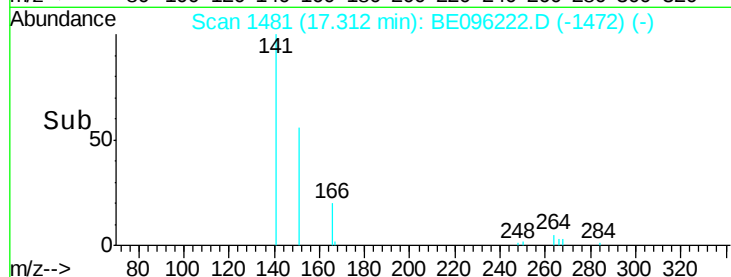
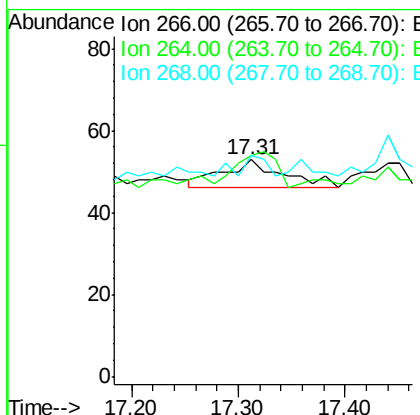
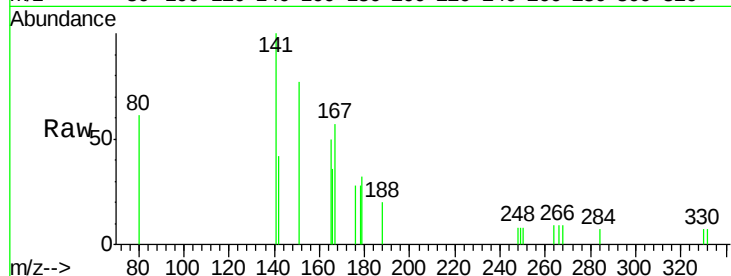




#22
 Pentachlorophenol
 Concen: 0.163 ng
 RT: 17.31 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: BE096222.D
 Acq: 30 Apr 2018 15:21

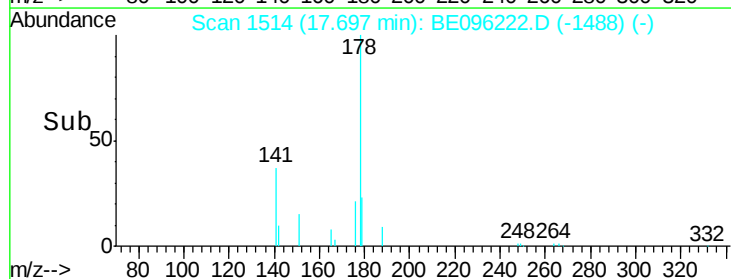
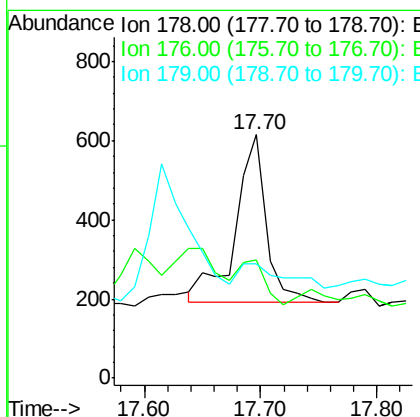
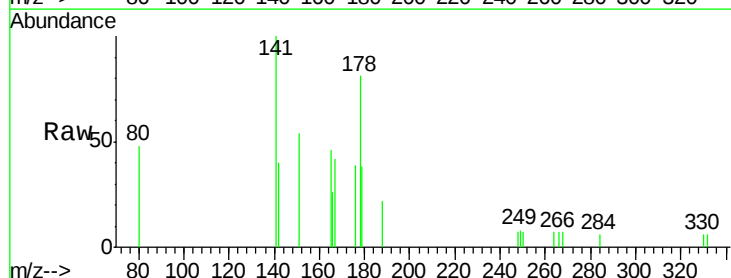
Instrument :
 BNA_E
 ClientSampleId :

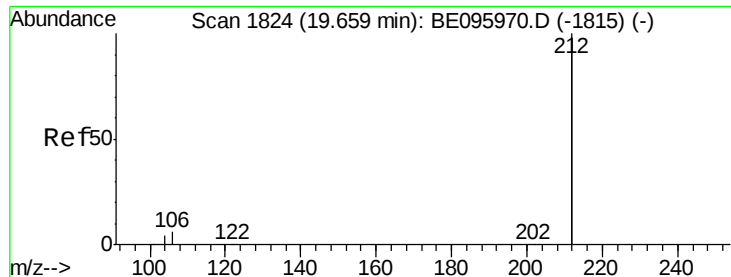
Tot Ion:266 Resp: 28
 Ion Ratio Lower Upper
 266 100
 264 101.9 72.5 108.7
 268 101.9 73.8 110.6



#23
 Phenanthrene
 Concen: 0.075 ng
 RT: 17.70 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: BE096222.D
 Acq: 30 Apr 2018 15:21

Tgt Ion:178 Resp: 792
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.1 22.7#
 179 0.0 11.8 17.6#





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

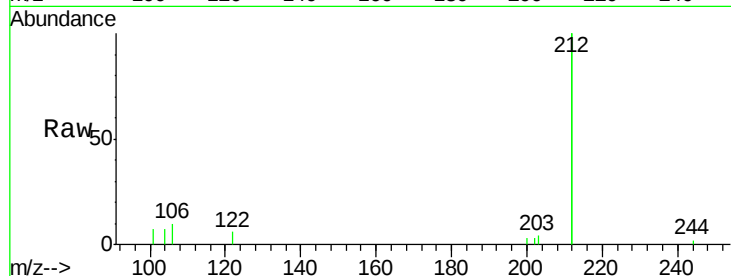
Tot Ion:212 Resp: 17476

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

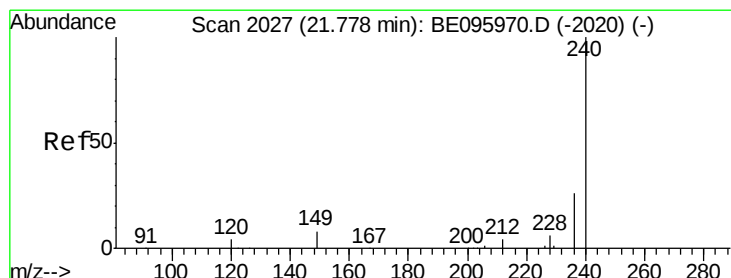
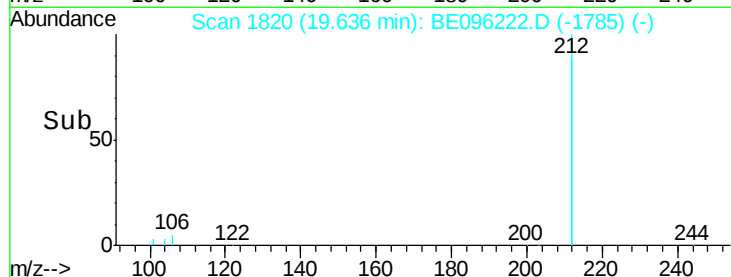
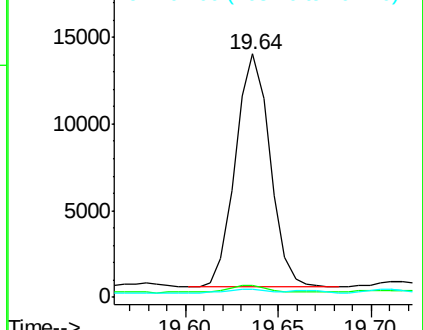
104 1.9 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

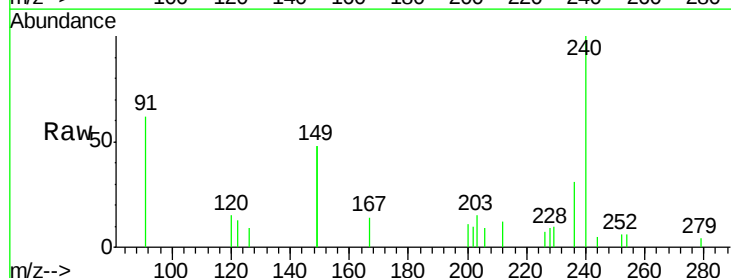
Tgt Ion:240 Resp: 3798

Ion Ratio Lower Upper

240 100

120 14.8 5.5 8.3#

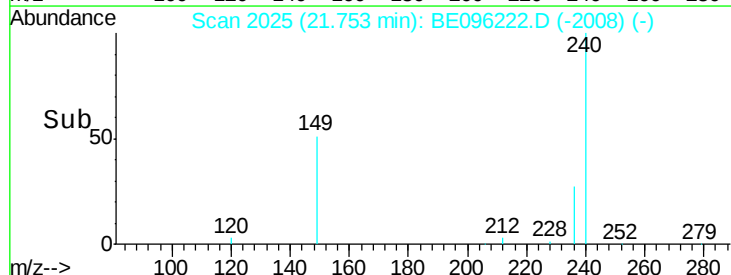
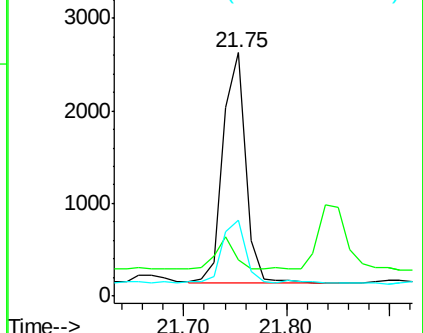
236 31.2 20.7 31.1#

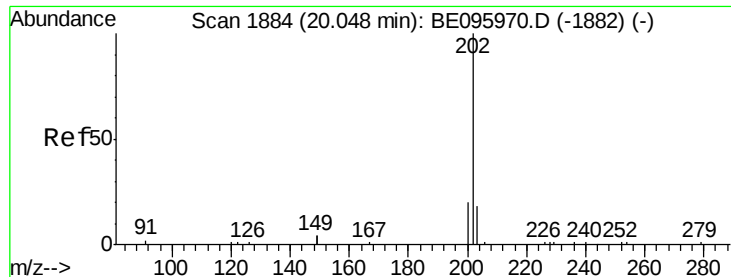


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

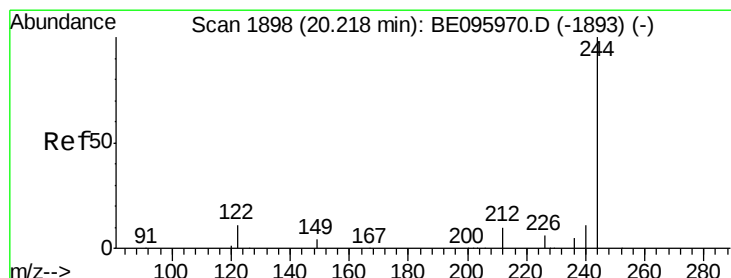
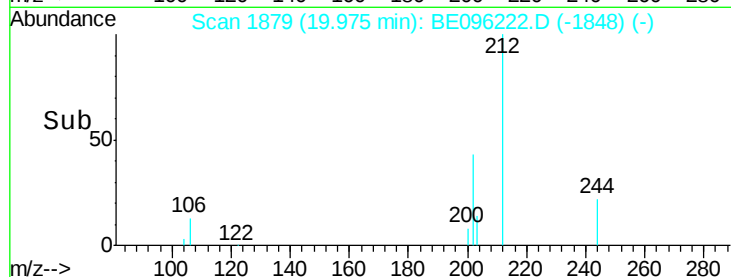
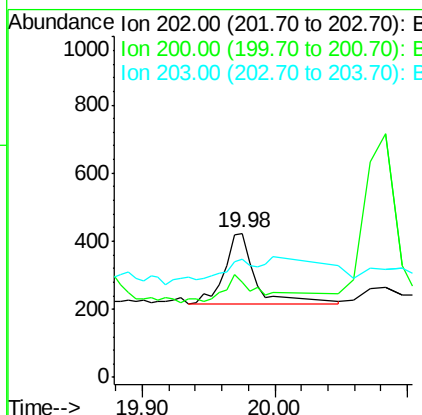
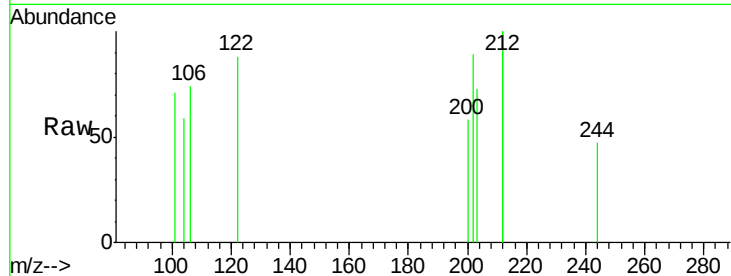




#28
Pvrene
Concen: 0.063 ng
RT: 19.98 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

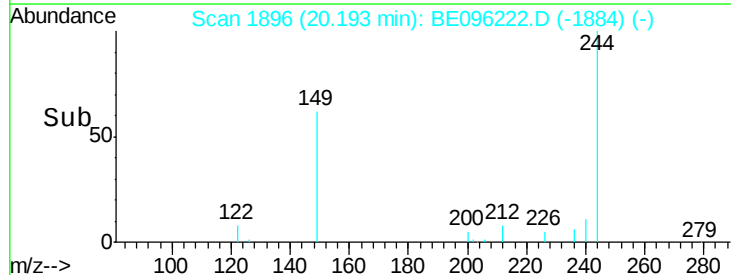
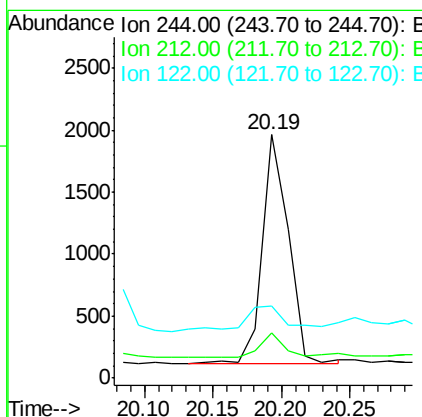
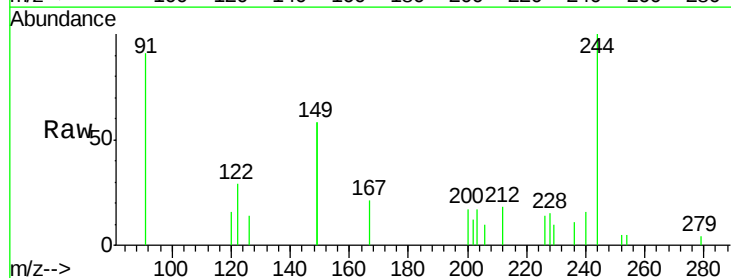
Instrument :
BNA_E
ClientSampled :

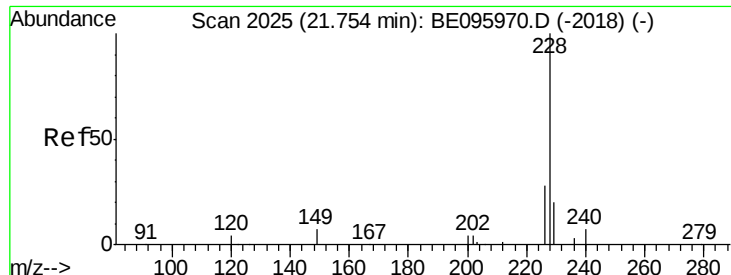
Tot Ion:202 Resp: 473
Ion Ratio Lower Upper
202 100
200 25.4 16.6 25.0#
203 32.3 13.8 20.8#



#29
Terphenyl-d14
Concen: 0.292 ng
RT: 20.19 min Scan# 1896
Delta R.T. -0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion:244 Resp: 2452
Ion Ratio Lower Upper
244 100
212 18.3 25.4 38.0#
122 29.4 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.025 ng

RT: 21.77 min Scan# 2026

Delta R.T. 0.04 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

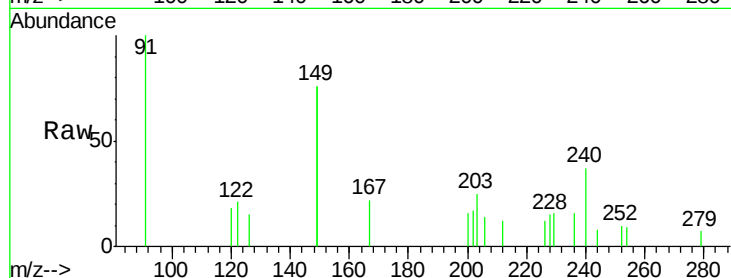
Tot Ion:228 Resp: 301

Ion Ratio Lower Upper

228 100

226 81.4 24.0 36.0#

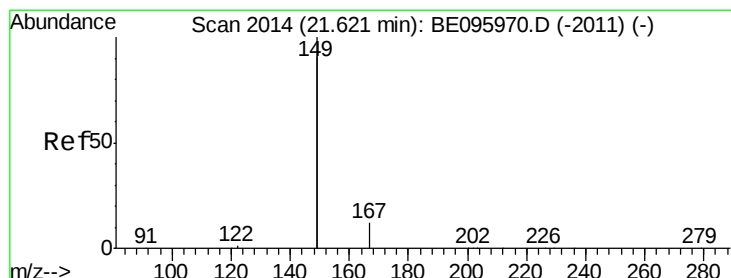
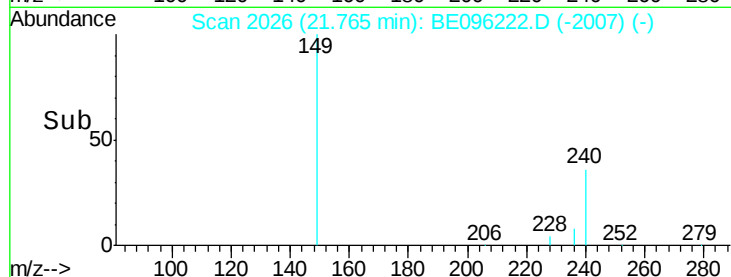
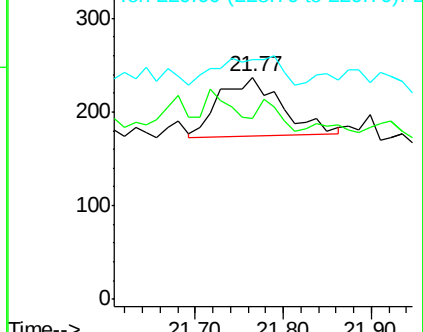
229 108.0 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.059 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

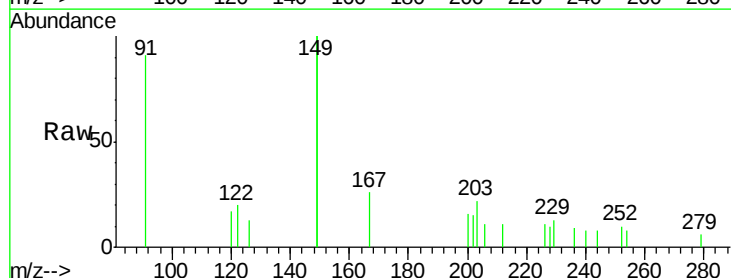
Tgt Ion:149 Resp: 1854

Ion Ratio Lower Upper

149 100

167 7.7 5.4 8.0

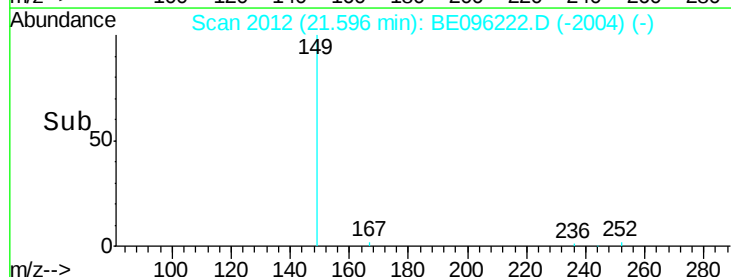
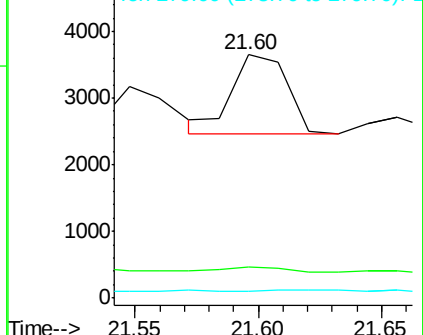
279 2.5 0.7 1.1#

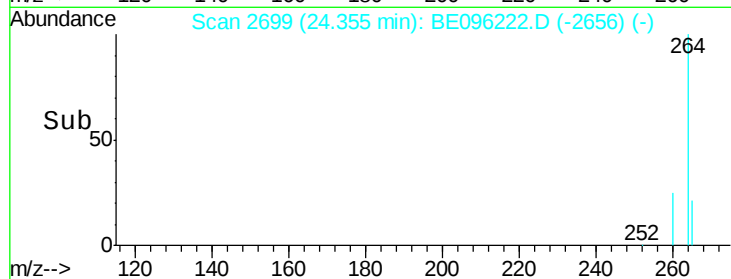
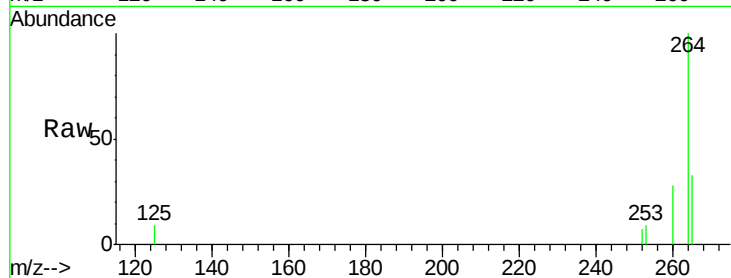
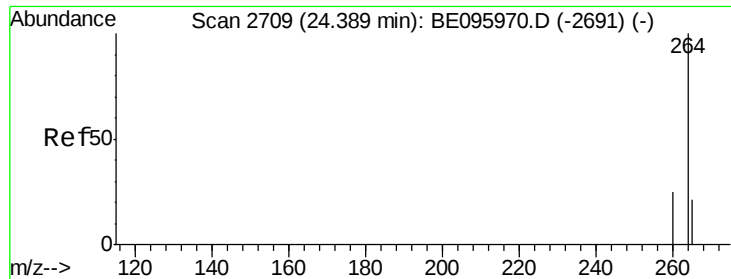


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.35 min Scan# 2699

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 3743

Ion Ratio Lower Upper

264 100

260 28.0 20.5 30.7

265 33.1 22.8 34.2

