

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097095.D
 Acq On : 25 Jul 2018 6:20
 Operator : SJ/JU
 Sample : J4073-05DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 25 07:40:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

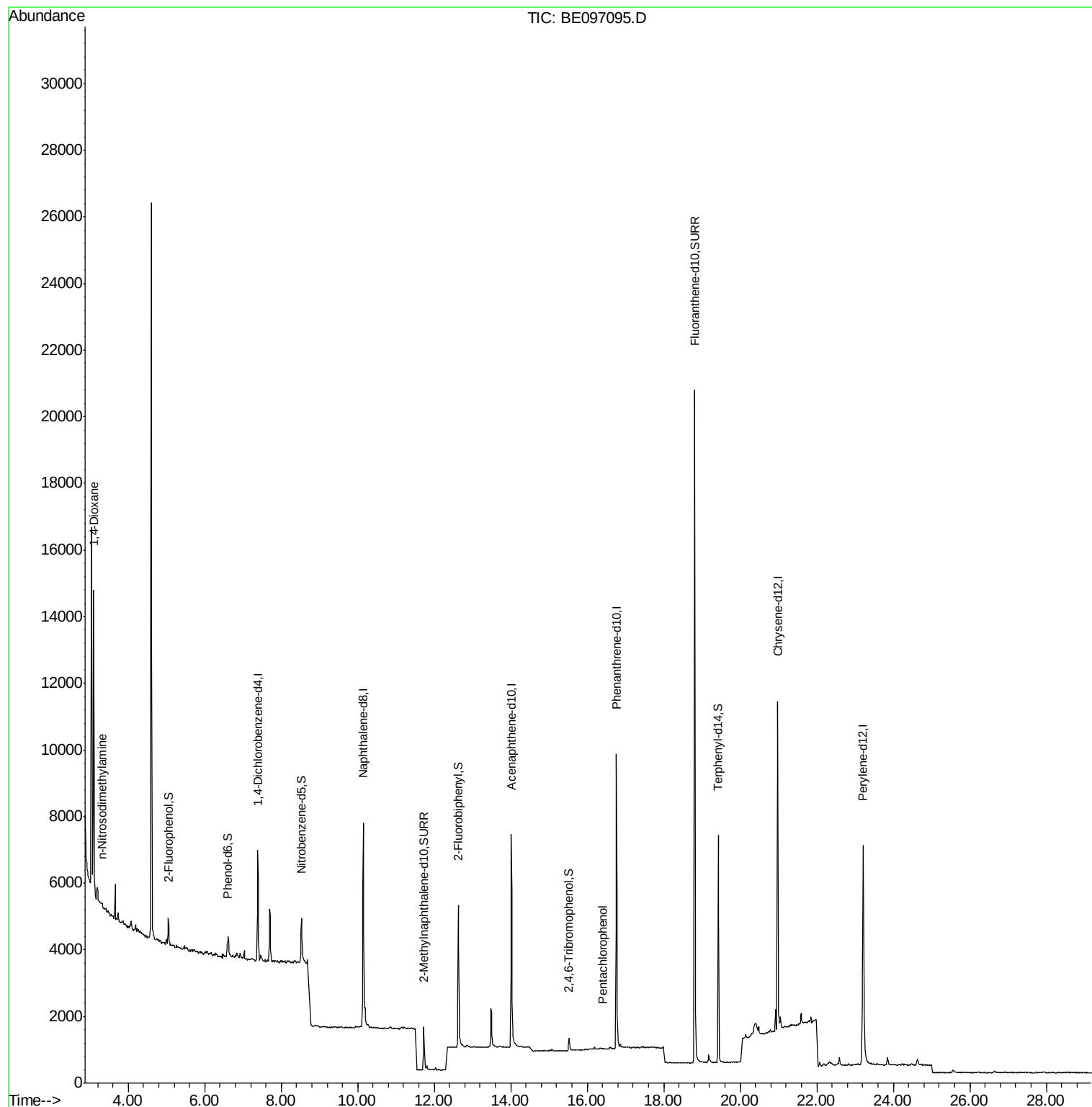
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1490	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6915	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4059	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11829	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11045	0.40	ng	0.00
34) Perylene-d12	23.21	264	10698	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	425	0.10	ng	0.00
5) Phenol-d6	6.59	99	334	0.05	ng	0.00
8) Nitrobenzene-d5	8.53	82	1323	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	2071	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	269	0.20	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4394	0.31	ng	0.00
25) Fluoranthene-d10	18.81	212	27338	0.23	ng	0.00
29) Terphenyl-d14	19.43	244	5973	0.28	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.09	88	4751	2.007	ng	# 88
3) n-Nitrosodimethylamine	3.32	42	70	0.026	ng	# 1
22) Pentachlorophenol	16.40	266	4	0.037	ng	90

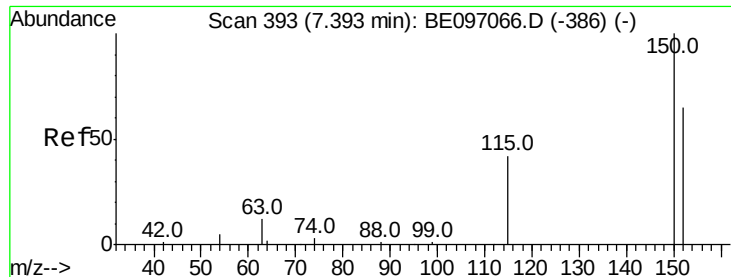
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

Instrument :

BNA_E

ClientSampleId :

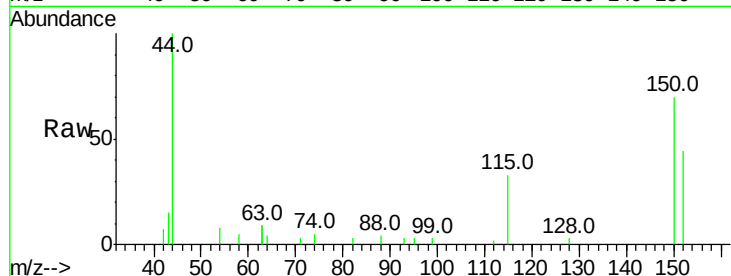
Tot Ion:152 Resp: 1490

Ion Ratio Lower Upper

152 100

150 157.9 117.2 175.8

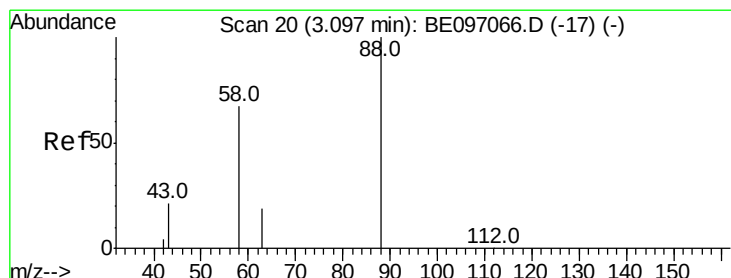
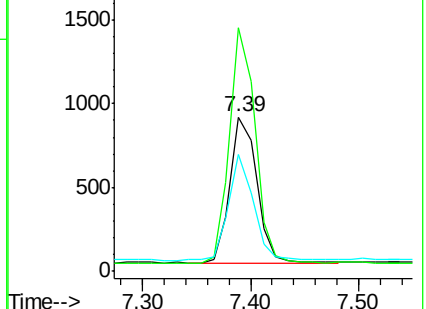
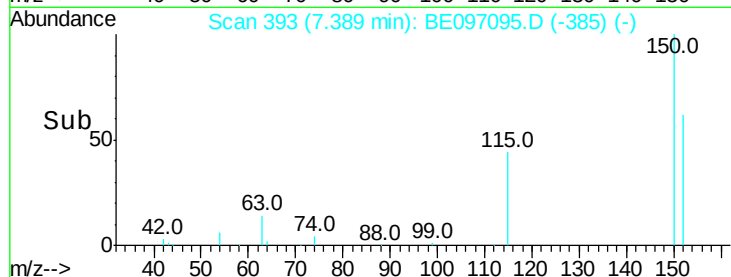
115 75.4 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.007 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

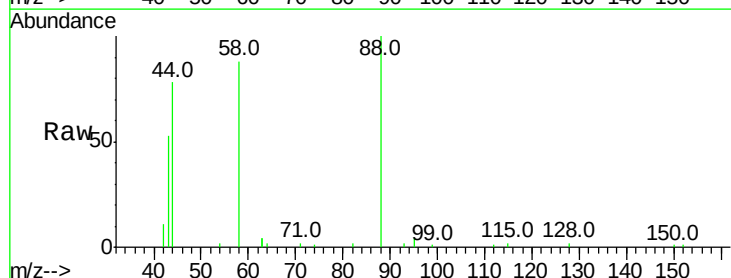
Tgt Ion: 88 Resp: 4751

Ion Ratio Lower Upper

88 100

58 83.9 63.2 94.8

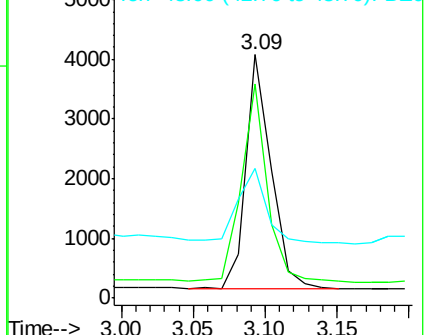
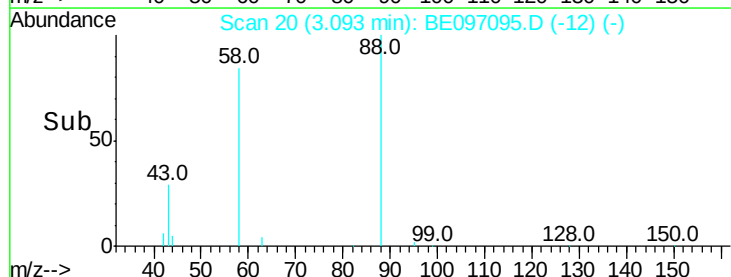
43 35.9 41.2 61.8#

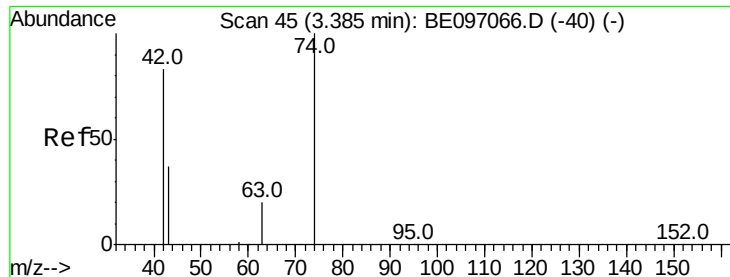


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.026 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.06 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

Instrument :

BNA_E

ClientSampleId :

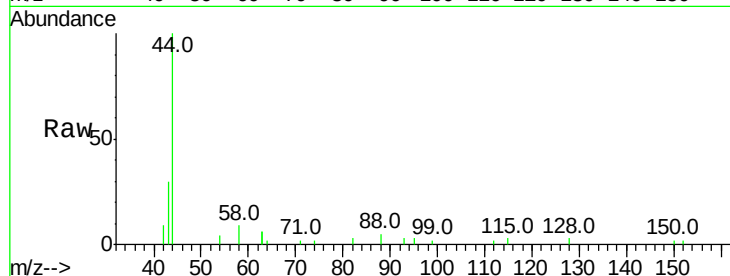
Tot Ion: 42 Resp: 70

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

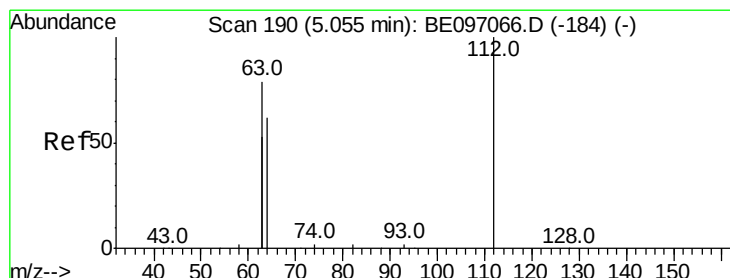
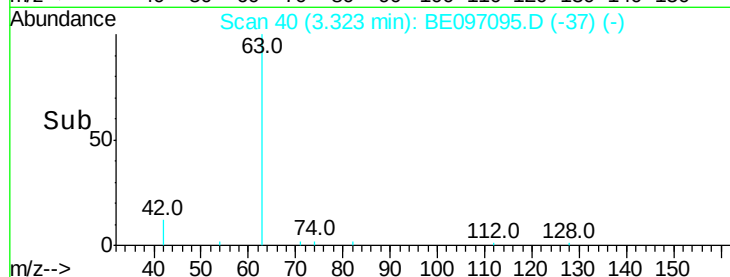
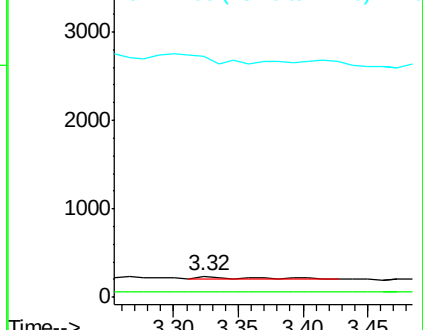
44 0.0 12.0 18.0#



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: 0.101 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

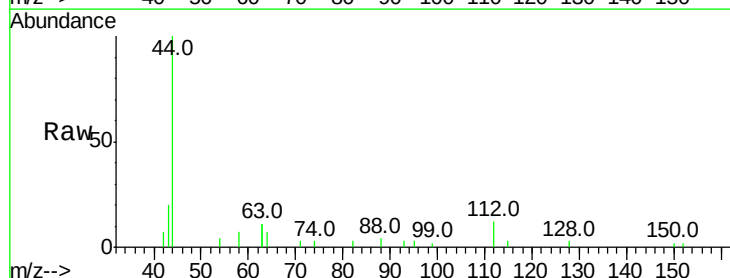
Tgt Ion: 112 Resp: 425

Ion Ratio Lower Upper

112 100

64 71.8 60.1 90.1

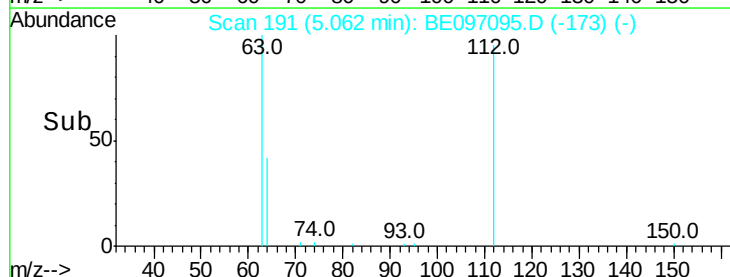
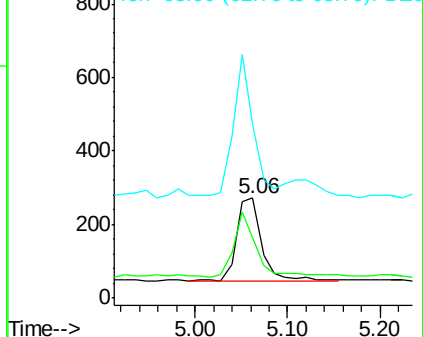
63 139.1 116.8 175.2

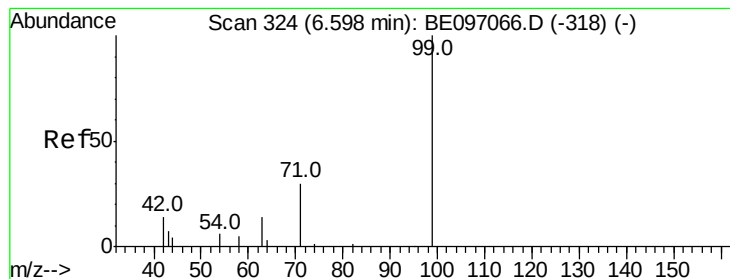


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.054 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

Instrument :

BNA_E

ClientSampled :

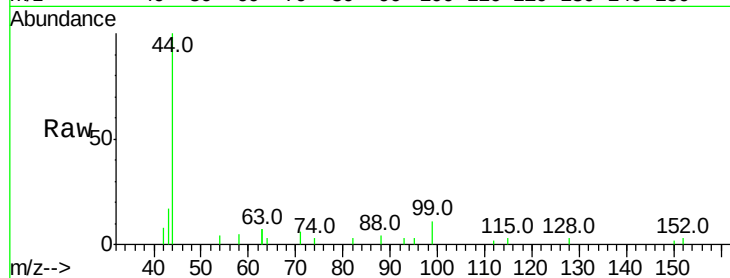
Tot Ion: 99 Resp: 334

Ion Ratio Lower Upper

99 100

42 37.4 20.2 30.2#

71 41.3 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

6.59

250

200

150

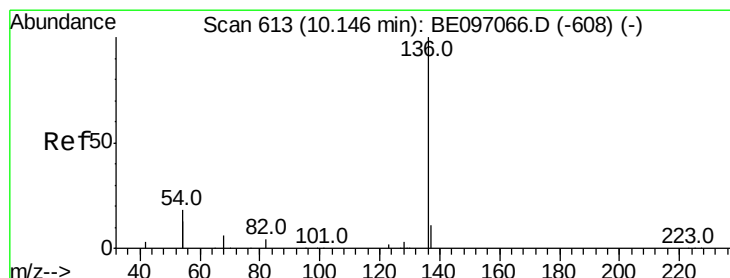
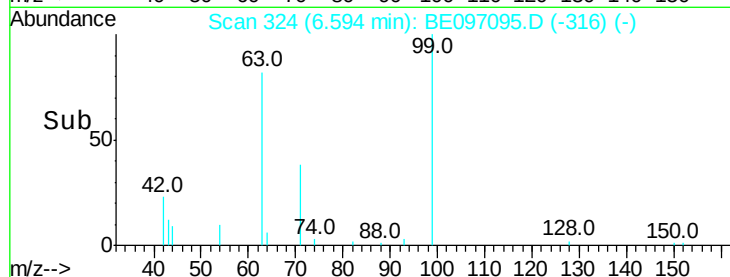
100

50

0

6.50 6.55 6.60 6.65

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

Tgt Ion: 136 Resp: 6915

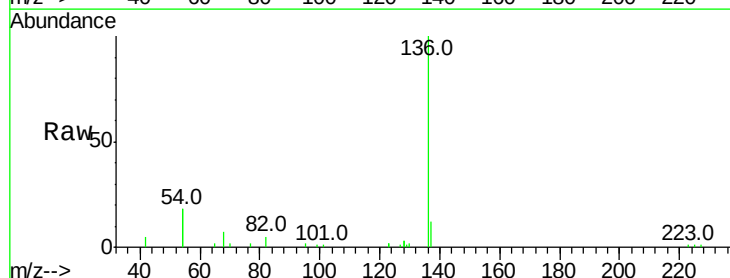
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 35.6 29.1 43.7

68 7.3 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

10.15

6000

5000

4000

3000

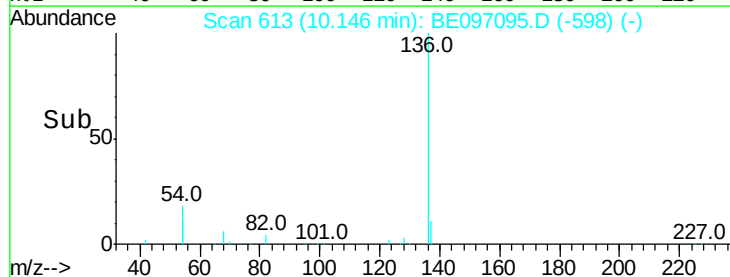
2000

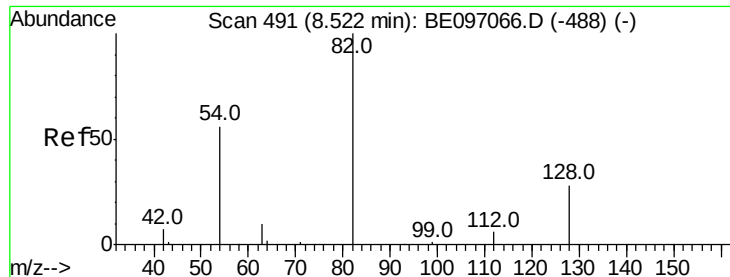
1000

0

10.00 10.10 10.20 10.30

Time-->

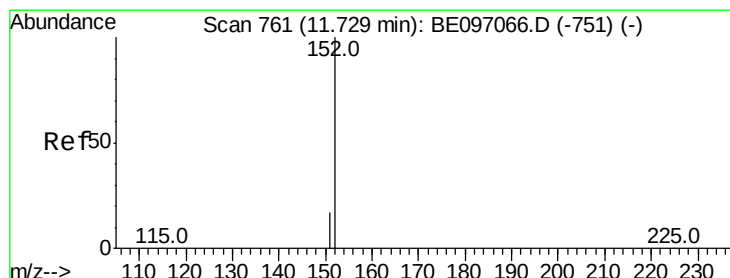
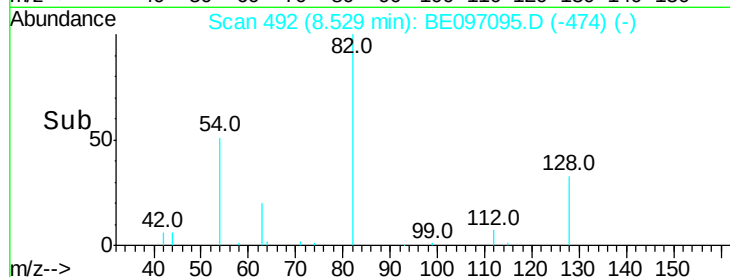
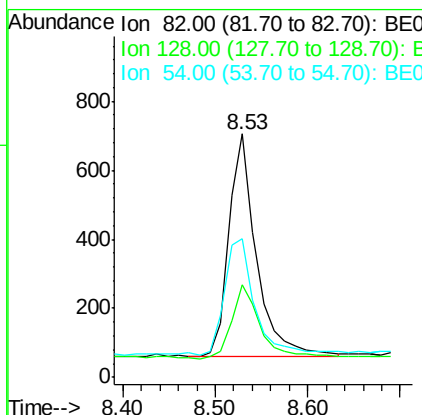
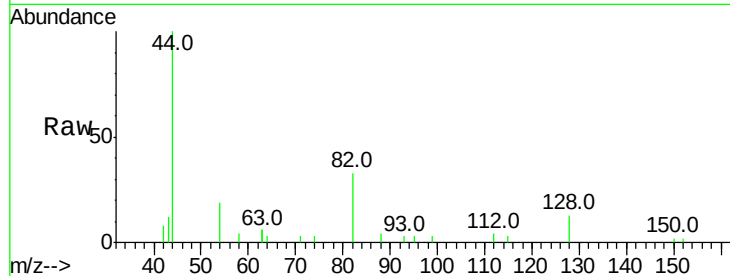




#8
 Nitrobenzene-d5
 Concen: 0.220 ng
 RT: 8.53 min Scan# 492
 Delta R.T. 0.01 min
 Lab File: BE097095.D
 Acq: 25 Jul 2018 6:20

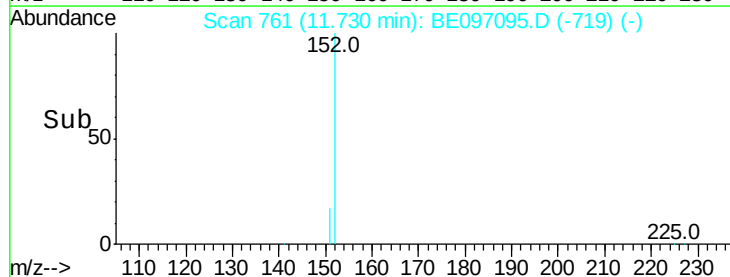
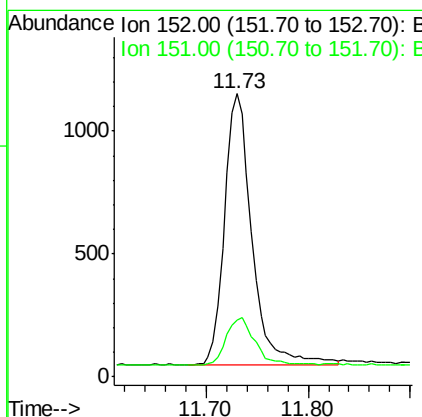
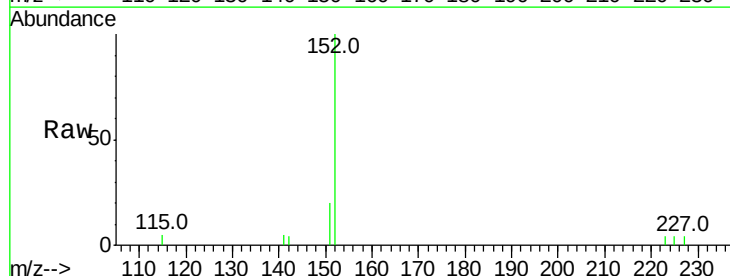
Instrument :
 BNA_E
 ClientSampled :

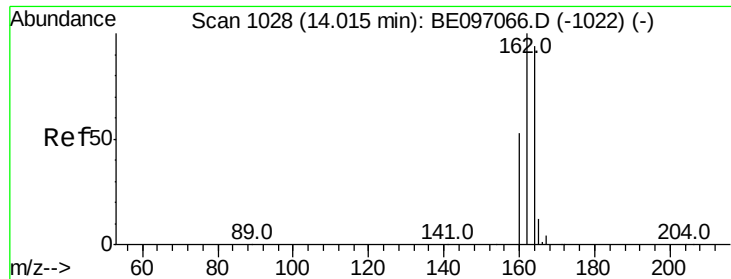
Tot Ion	82	Resp	1323
Ion	Ratio	Lower	Upper
82	100		
128	38.2	24.0	36.0#
54	56.8	40.0	60.0



#11
 2-Methylnaphthalene-d10
 Concen: 0.200 ng
 RT: 11.73 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BE097095.D
 Acq: 25 Jul 2018 6:20

Tgt Ion	152	Resp	2071
Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.4	23.0

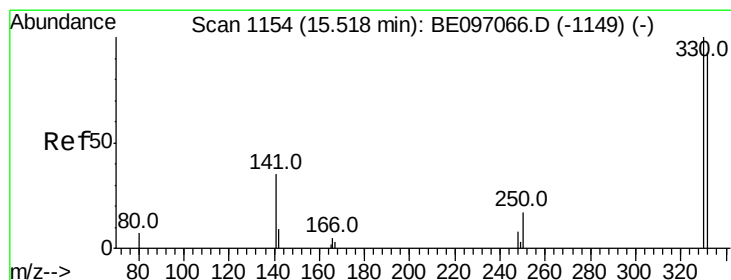
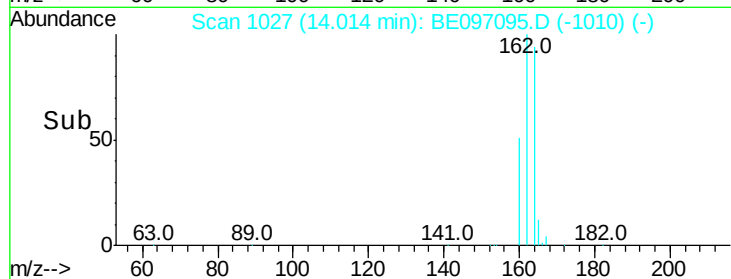
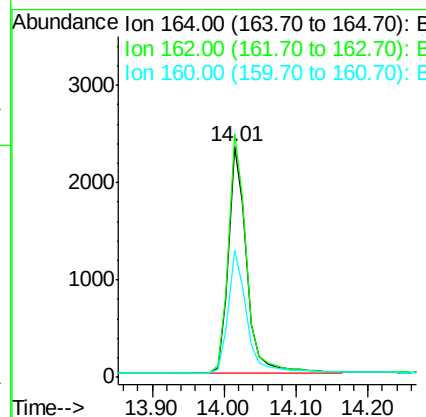
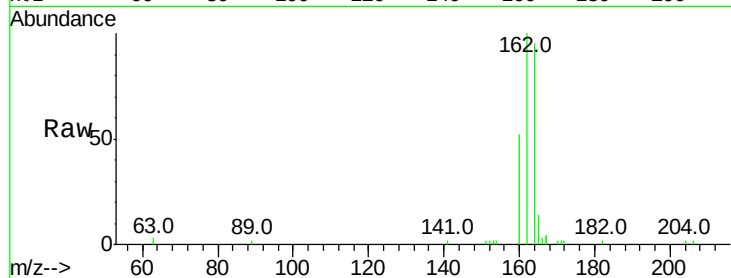




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE097095.D
 Acq: 25 Jul 2018 6:20

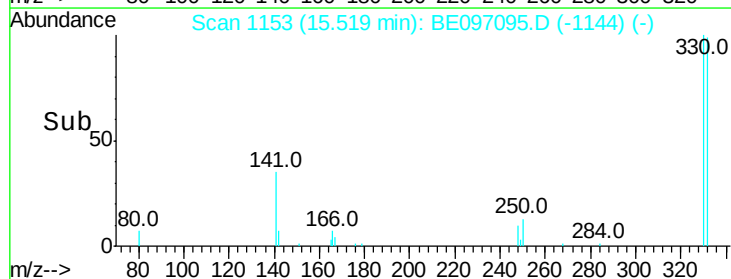
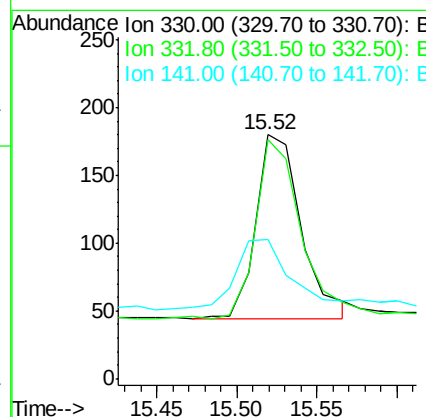
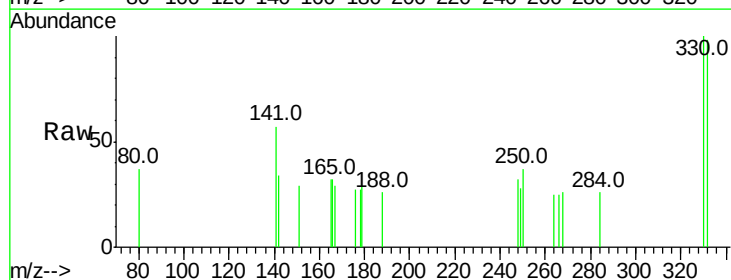
Instrument :
 BNA_E
 ClientSampleId :

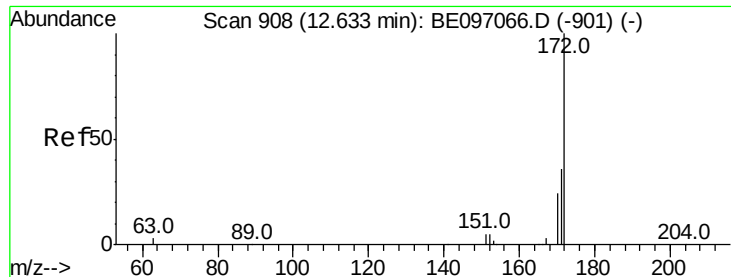
Tot Ion:164 Resp: 4059
 Ion Ratio Lower Upper
 164 100
 162 105.7 83.1 124.7
 160 55.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.201 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE097095.D
 Acq: 25 Jul 2018 6:20

Tgt Ion:330 Resp: 269
 Ion Ratio Lower Upper
 330 100
 332 97.0 152.7 229.1#
 141 46.8 33.7 50.5

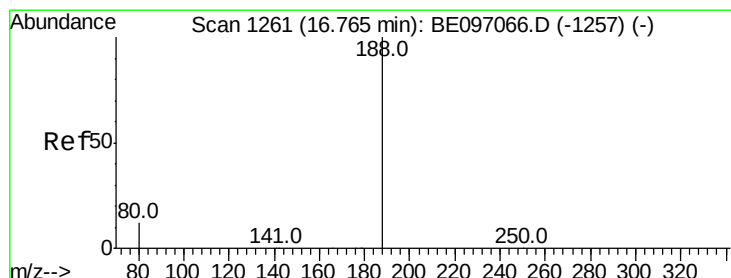
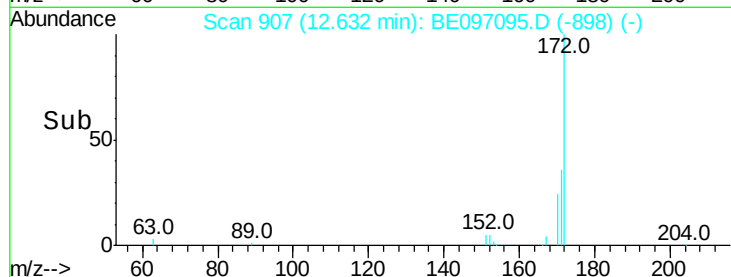
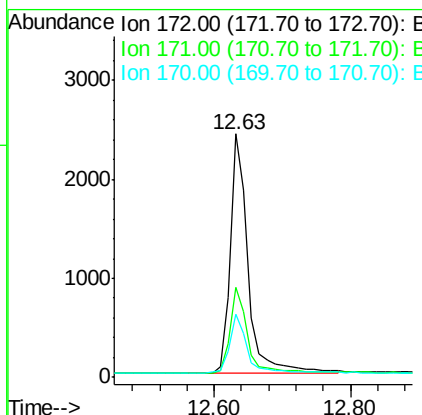
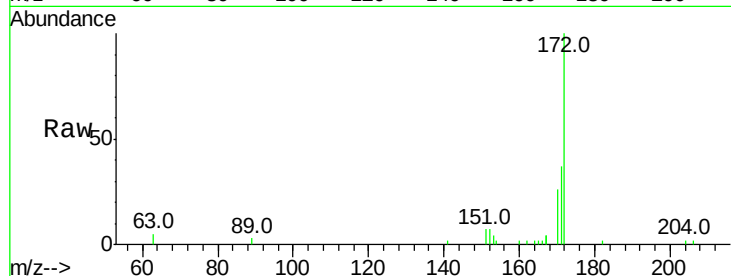




#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097095.D
Acq: 25 Jul 2018 6:20

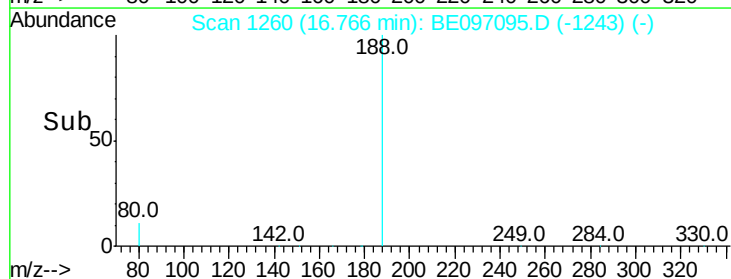
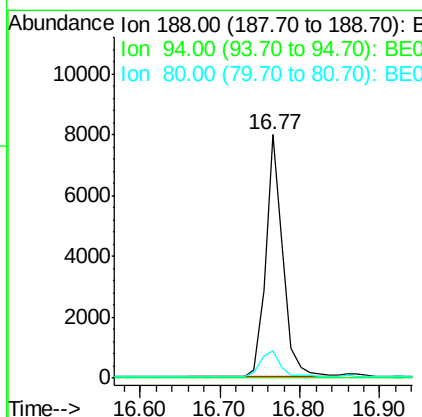
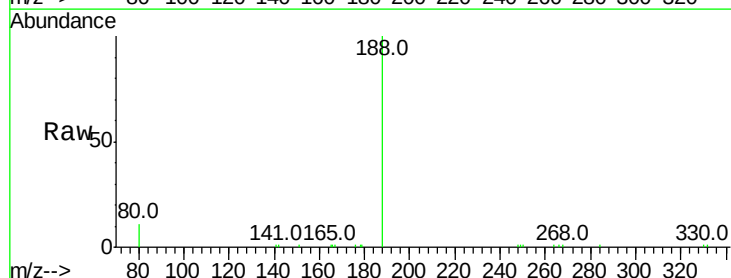
Instrument :
BNA_E
ClientSampleId :

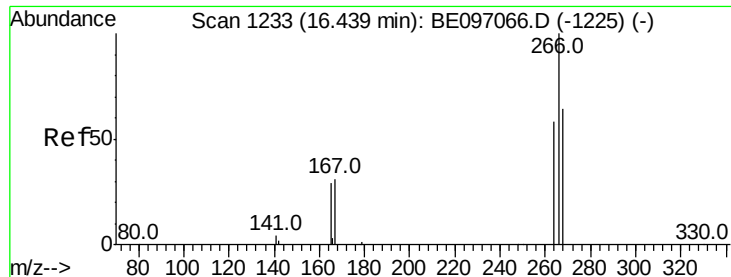
Tot Ion:172 Resp: 4394
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 25.9 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE097095.D
Acq: 25 Jul 2018 6:20

Tgt Ion:188 Resp: 11829
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 11.2 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.037 ng

RT: 16.40 min Scan# 1229

Delta R.T. -0.03 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

Instrument :

BNA_E

ClientSampleId :

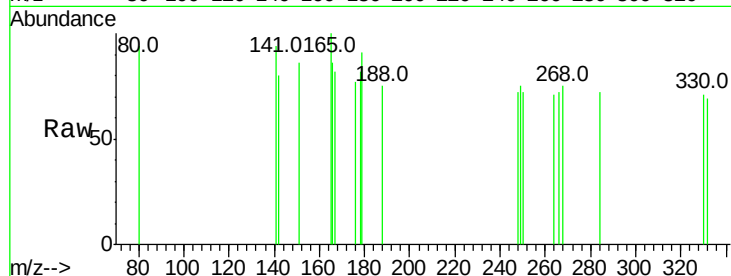
Tot Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 97.9 72.5 108.7

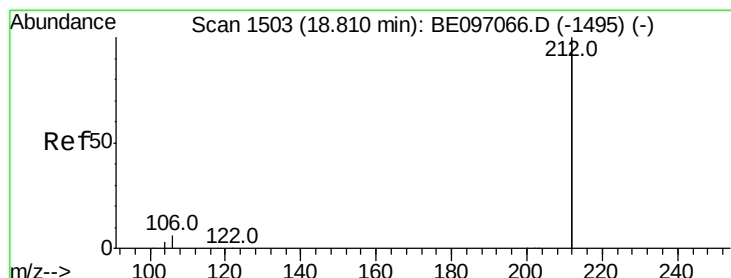
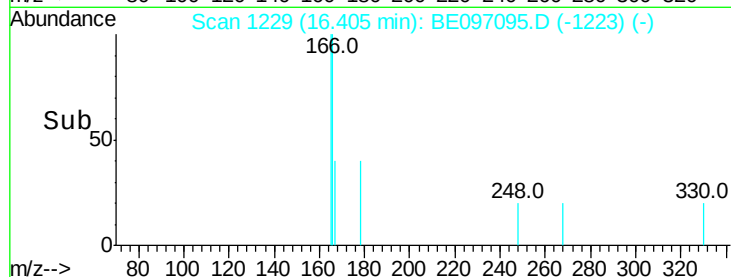
268 104.3 73.8 110.6



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



#25

Fluoranthene-d10

Concen: 0.231 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

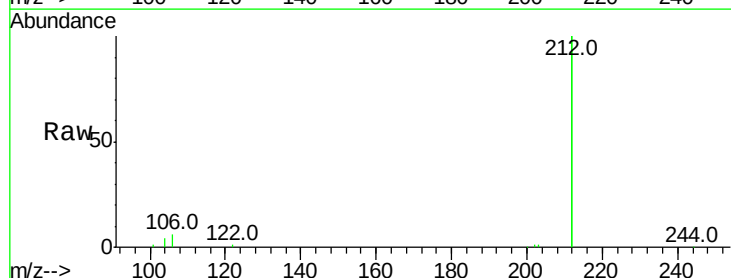
Tgt Ion:212 Resp: 27338

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

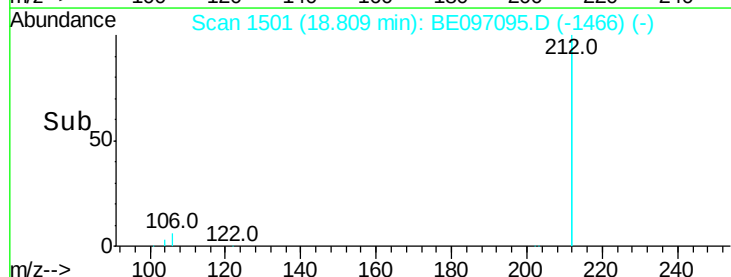
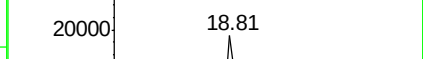
104 1.7 1.6 2.4

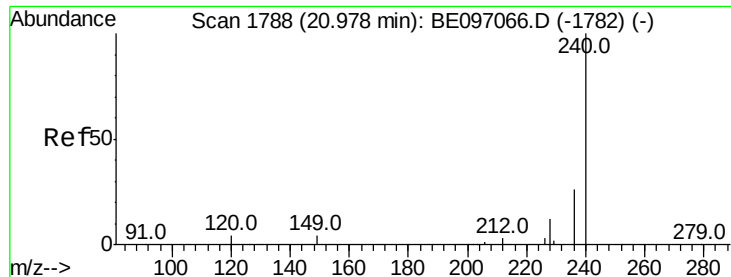


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

Instrument :

BNA_E

ClientSampleId :

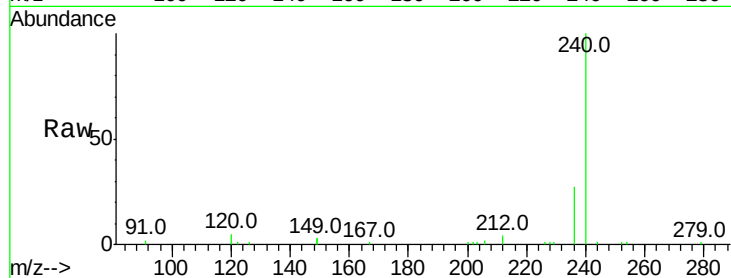
Tot Ion:240 Resp: 11045

Ion Ratio Lower Upper

240 100

120 5.2 5.5 8.3#

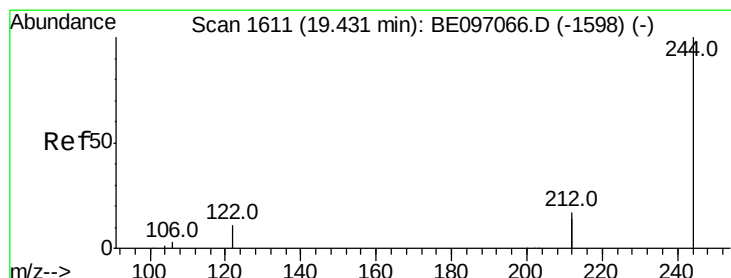
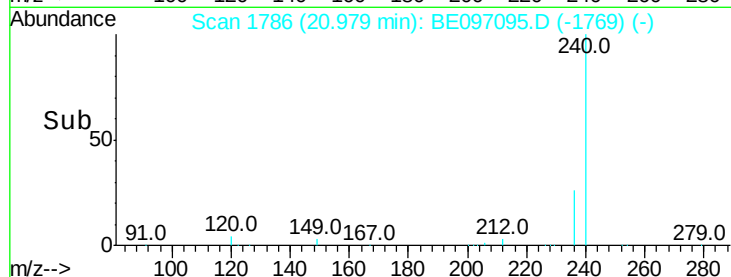
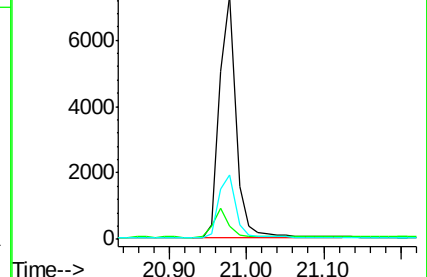
236 26.7 20.7 31.1



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: 0.281 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

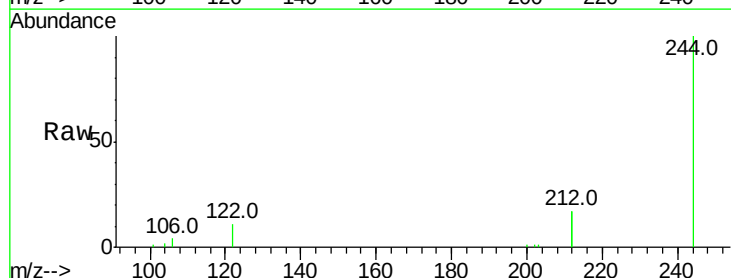
Tgt Ion:244 Resp: 5973

Ion Ratio Lower Upper

244 100

212 34.1 25.4 38.0

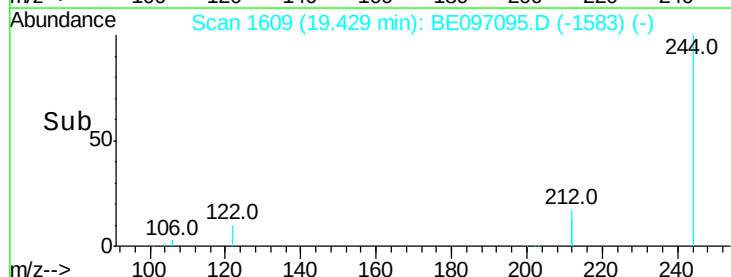
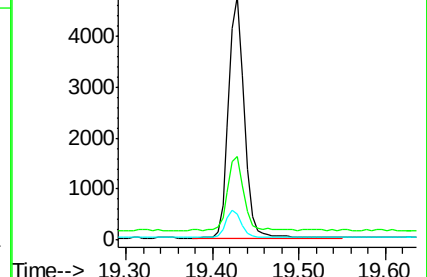
122 10.6 8.1 12.1

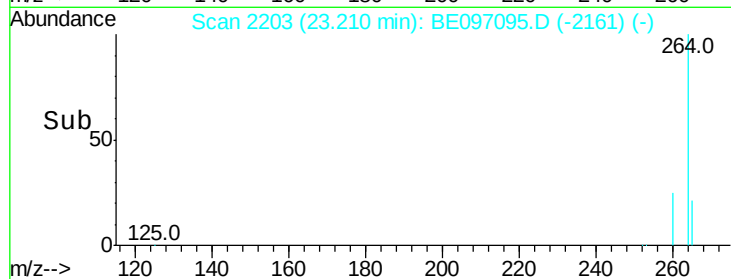
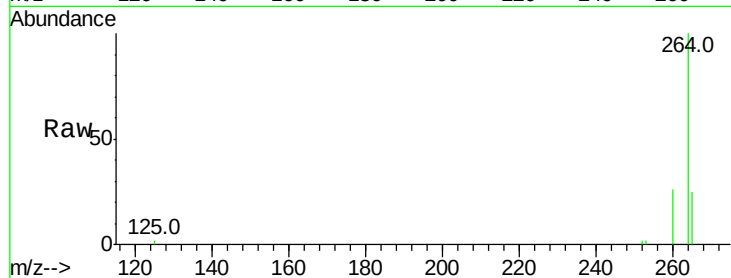
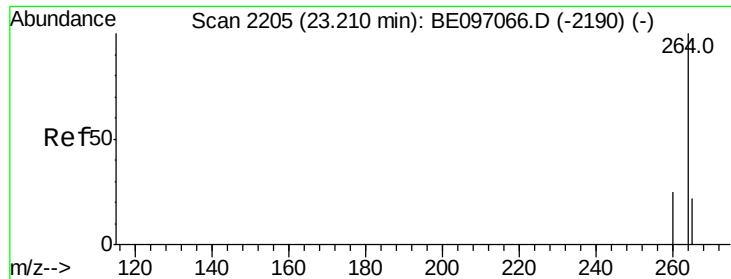


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BE097095.D

Acq: 25 Jul 2018 6:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 10698

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 25.0 22.8 34.2

