

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097055.D
 Acq On : 24 Jul 2018 3:14
 Operator : SJ/JU
 Sample : J4073-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE117D2-071618

Quant Time: Jul 24 05:29:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

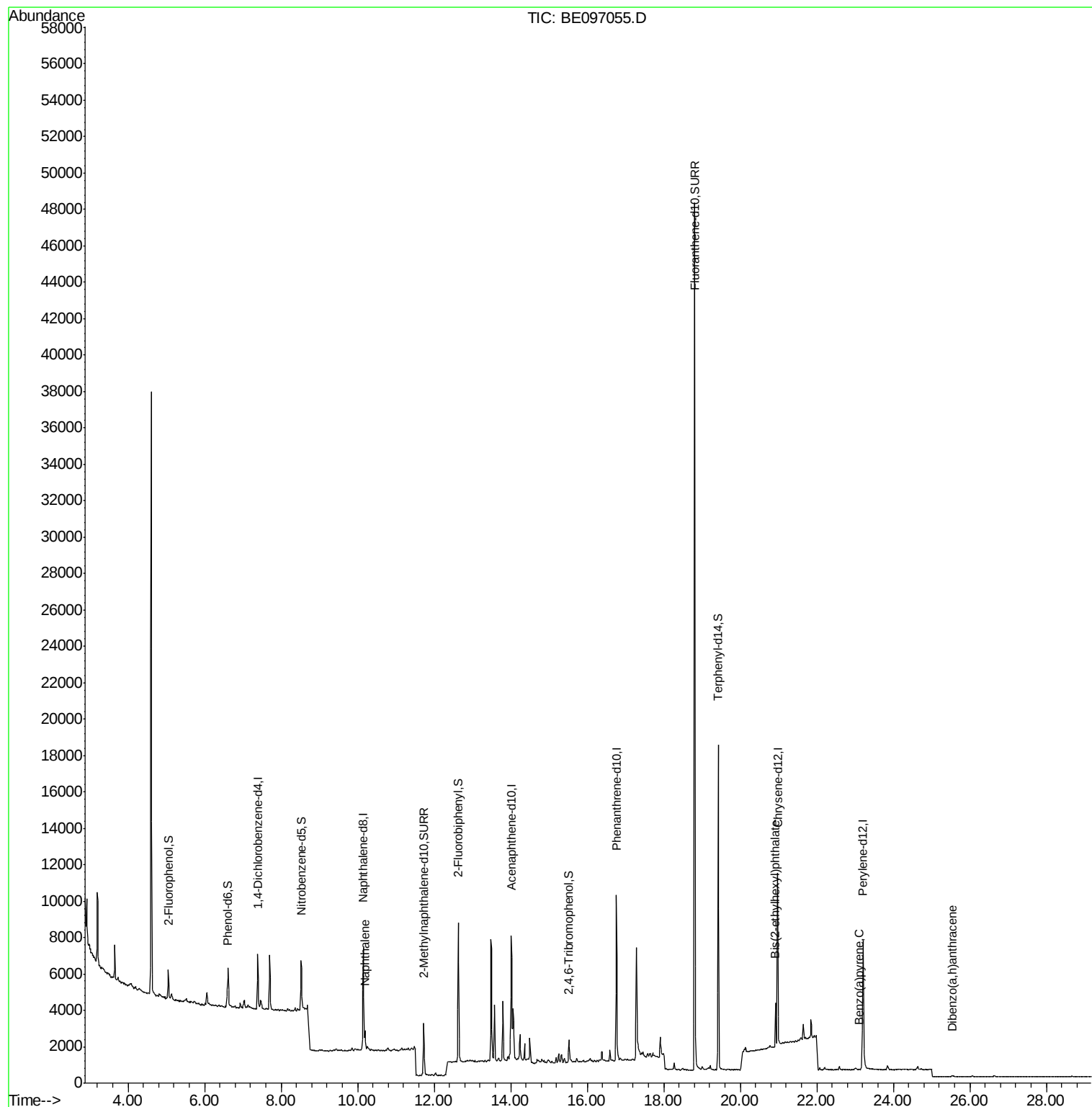
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1351	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6159	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4035	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11575	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11487	0.40	ng	0.00
34) Perylene-d12	23.21	264	10619	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	766	0.24	ng	0.00
5) Phenol-d6	6.60	99	642	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	2573	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4159	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	759	0.76	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7186	0.48	ng	0.00
25) Fluoranthene-d10	18.81	212	63539	0.63	ng	0.00
29) Terphenyl-d14	19.42	244	15187	0.69	ng	0.00
Target Compounds						
9) Naphthalene	10.20	128	1687	0.031	ng	Qvalue # 87
22) Pentachlorophenol	16.43	266	8	Below Cal		94
32) Bis(2-ethylhexyl)phthalate	20.92	149	3339	0.122	ng	# 100
37) Benzo(a)pyrene	23.11	252	12	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	3	0.118	ng	# 1

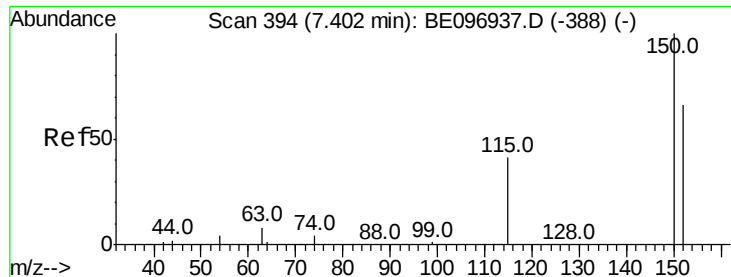
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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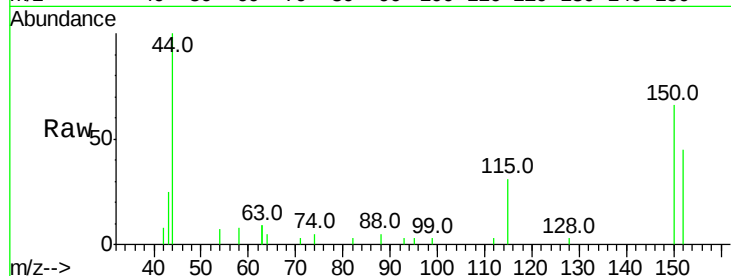


#1

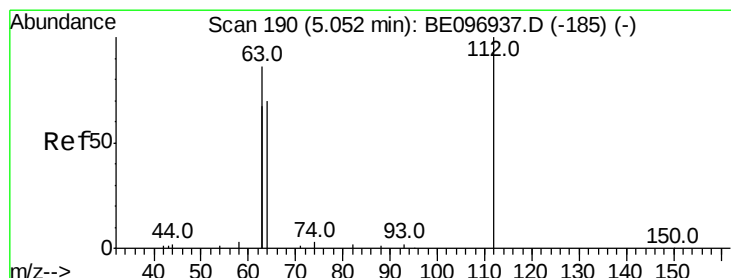
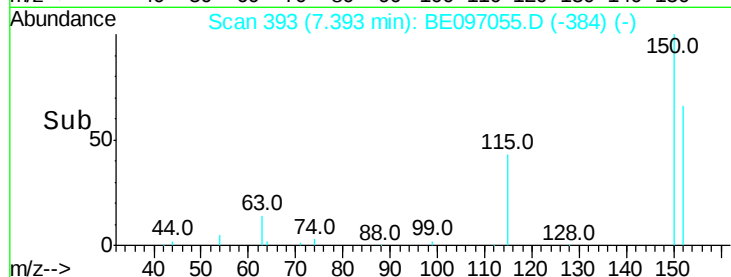
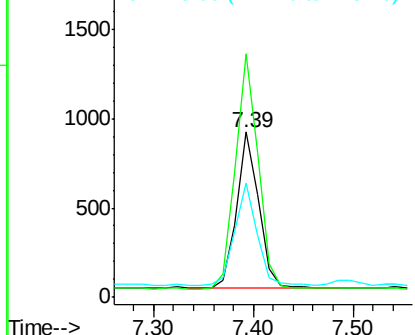
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097055.D
Acq: 24 Jul 2018 3:14

Instrument :
BNA_E
ClientSampleId :
RE117D2-071618

Tot Ion:152 Resp: 1351
Ion Ratio Lower Upper
152 100
150 147.2 117.2 175.8
115 69.1 57.0 85.6



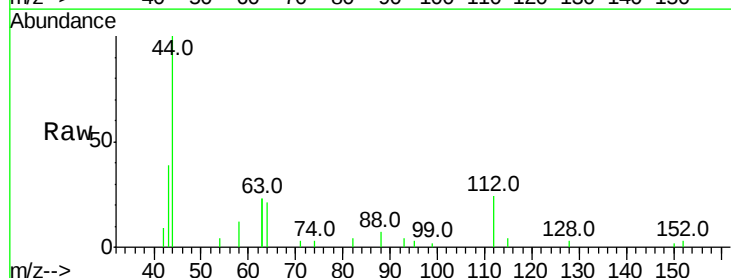
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



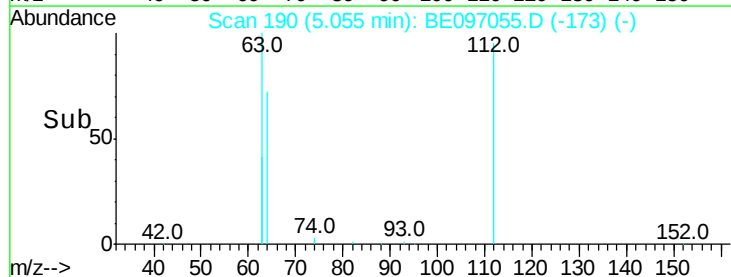
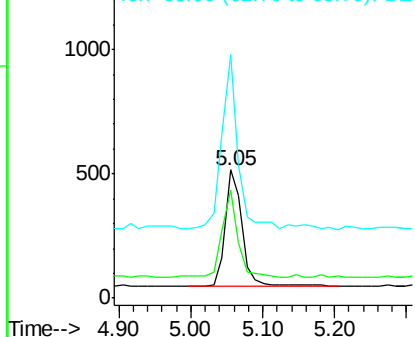
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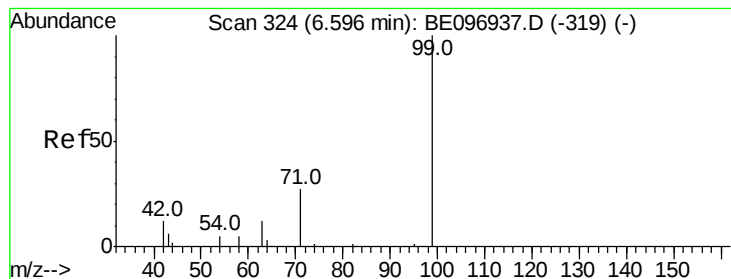
2-Fluorophenol
Concen: 0.237 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097055.D
Acq: 24 Jul 2018 3:14

Tgt Ion:112 Resp: 766
Ion Ratio Lower Upper
112 100
64 71.0 60.1 90.1
63 141.6 116.8 175.2



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: 0.130 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

Instrument :

BNA_E

ClientSampleId :

RE117D2-071618

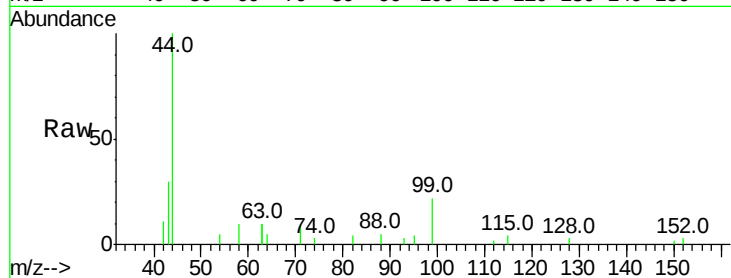
Tot Ion: 99 Resp: 642

Ion Ratio Lower Upper

99 100

42 41.3 20.2 30.2#

71 38.2 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

6.60

400

300

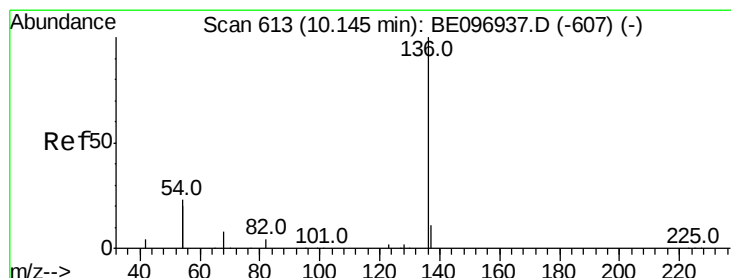
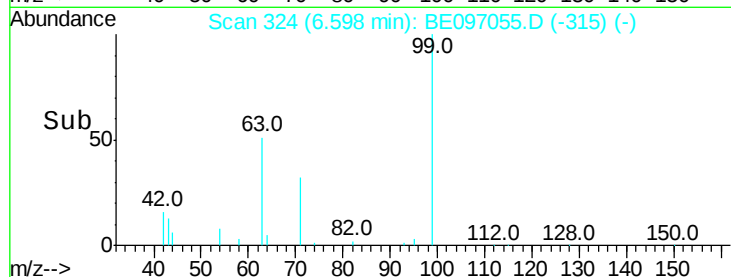
200

100

0

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: BE097055.D

Acq: 24 Jul 2018 3:14

Tgt Ion: 136 Resp: 6159

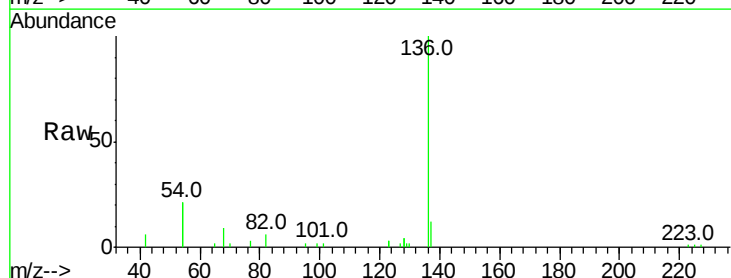
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 42.1 29.1 43.7

68 8.5 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

5000

4000

3000

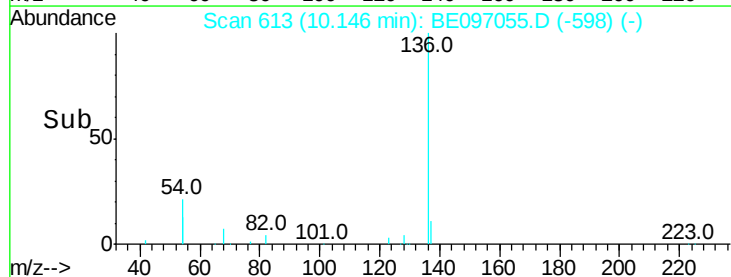
2000

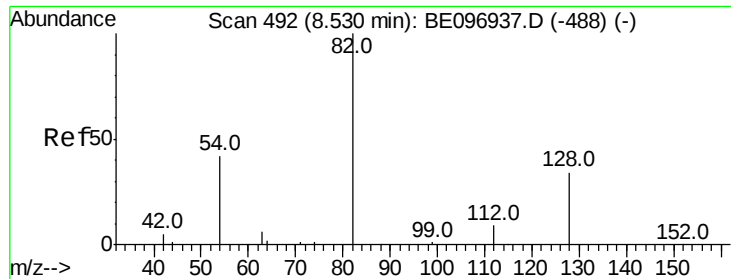
1000

0

10.00 10.20

Time-->

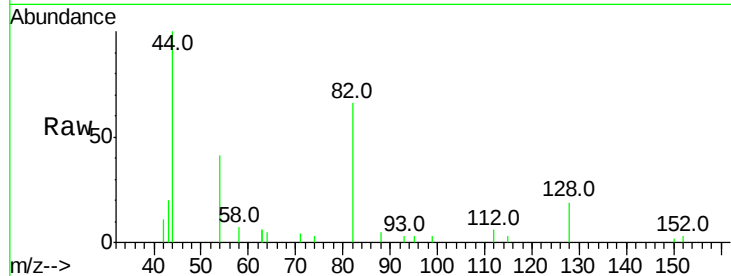




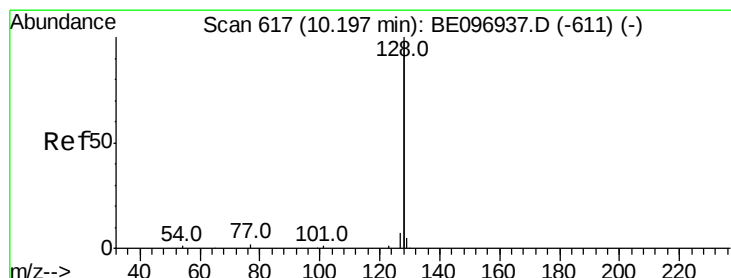
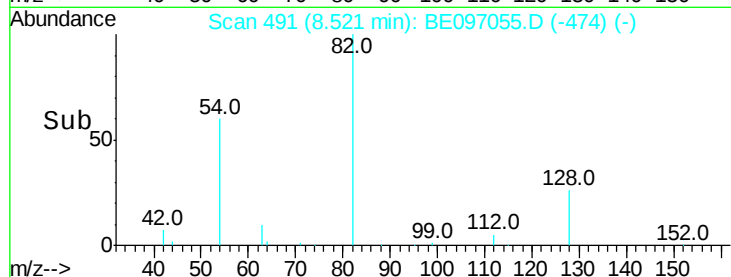
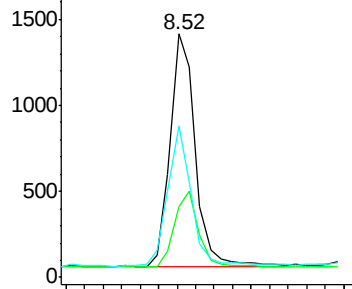
#8
 Nitrobenzene-d5
 Concen: 0.573 ng
 RT: 8.52 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BE097055.D
 Acq: 24 Jul 2018 3:14

Instrument :
 BNA_E
 ClientSampleId :
 RE117D2-071618

Tot Ion	82	Resp	2573
Ion Ratio	Lower	Upper	
82	100		
128	29.3	24.0	36.0
54	62.2	40.0	60.0#

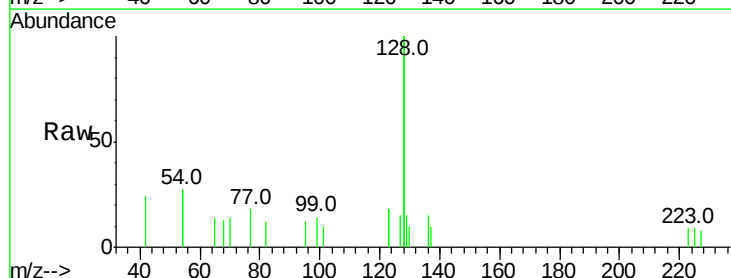


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

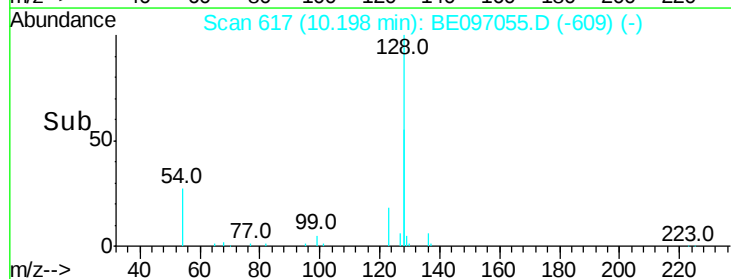
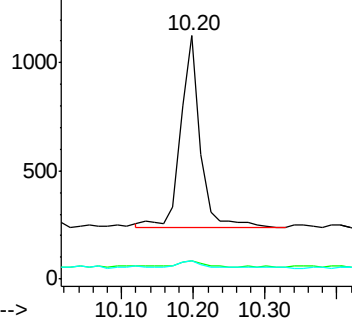


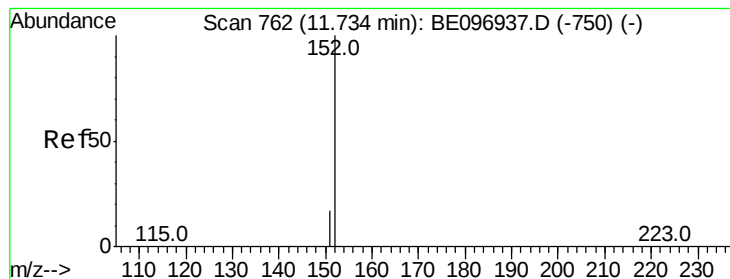
#9
 Naphthalene
 Concen: 0.031 ng
 RT: 10.20 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BE097055.D
 Acq: 24 Jul 2018 3:14

Tgt Ion	128	Resp	1687
Ion Ratio	Lower	Upper	
128	100		
129	7.6	2.6	3.8#
127	7.5	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: 0.463 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

Instrument :

BNA_E

ClientSampleId :

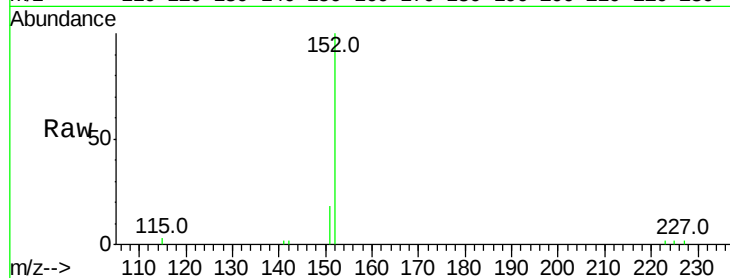
RE117D2-071618

Tot Ion:152 Resp: 4159

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

2500

2000

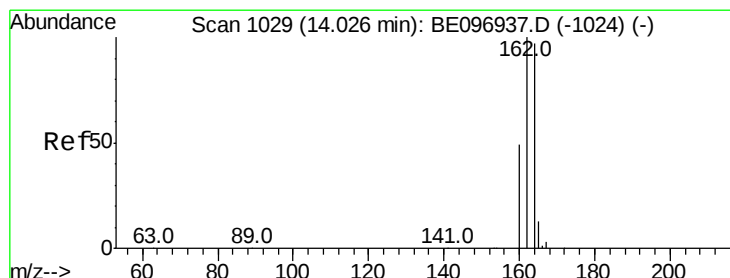
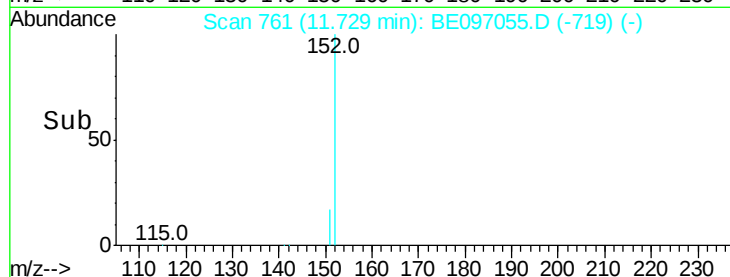
1500

1000

500

0

Time--> 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

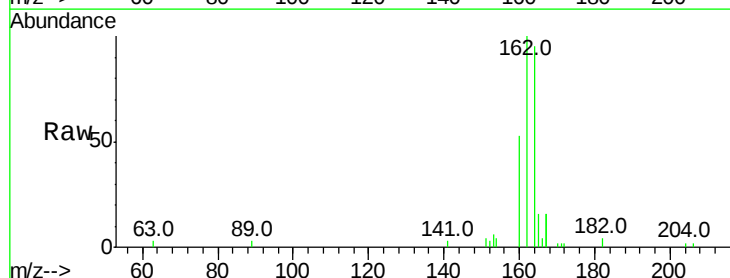
Tgt Ion:164 Resp: 4035

Ion Ratio Lower Upper

164 100

162 104.8 83.1 124.7

160 55.1 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

14.01

3000

2500

2000

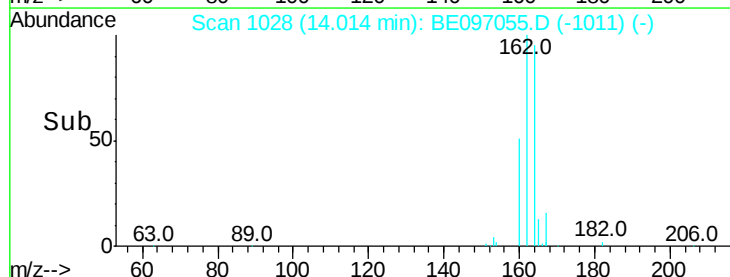
1500

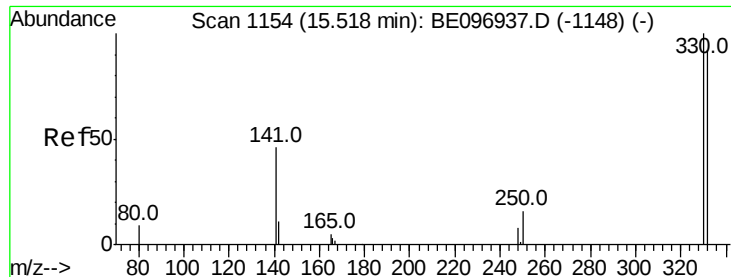
1000

500

0

Time--> 14.00 14.20

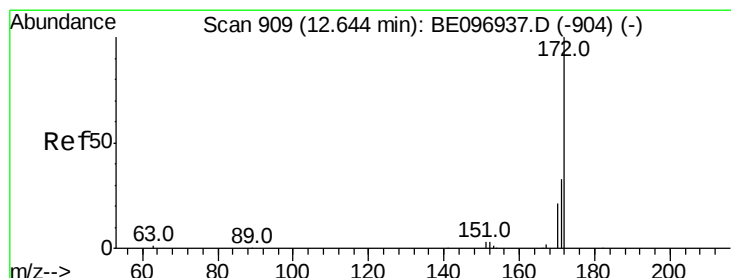
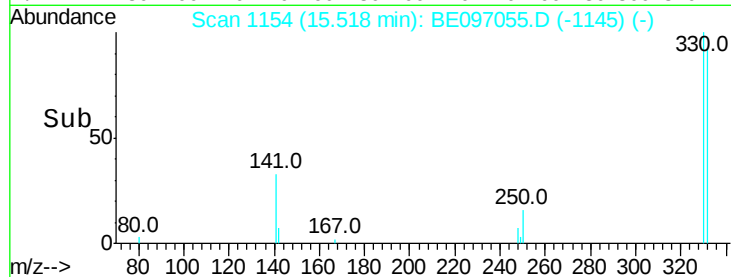
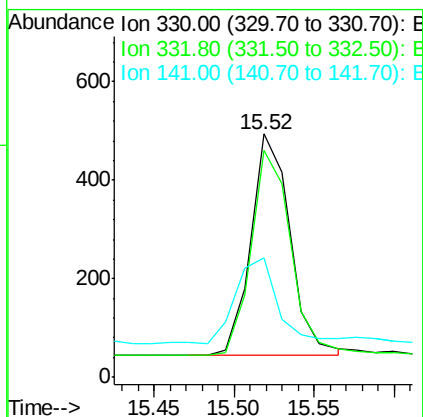
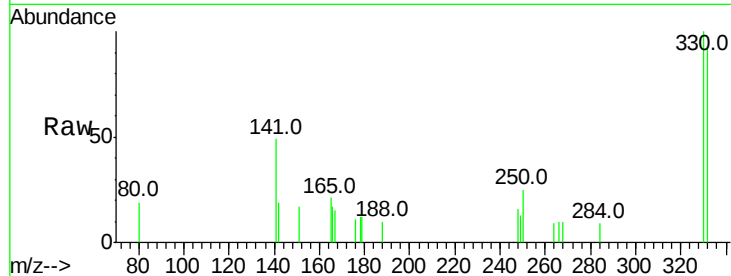




#14
 2,4,6-Tribromophenol
 Concen: 0.759 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097055.D
 Acq: 24 Jul 2018 3:14

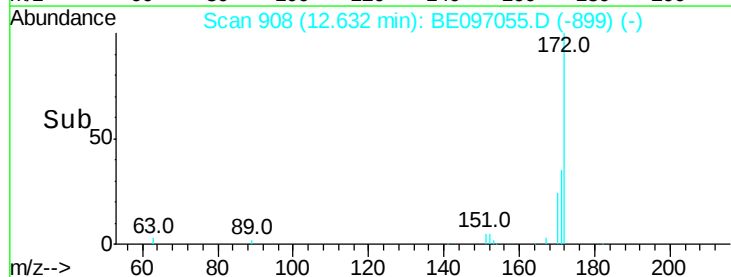
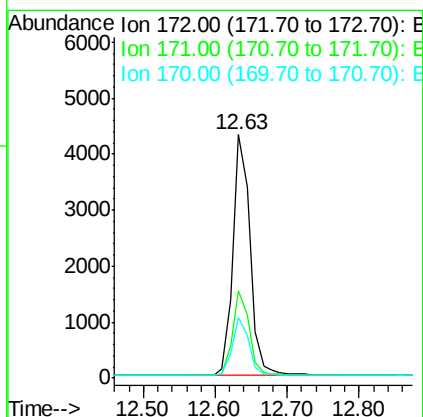
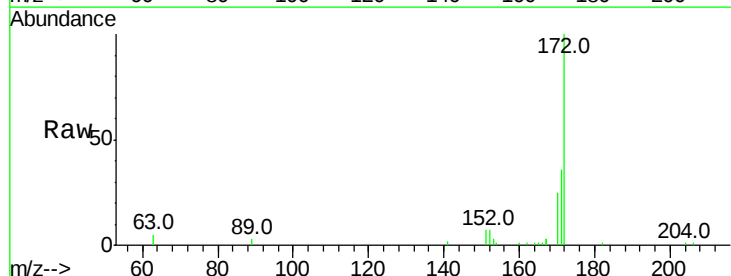
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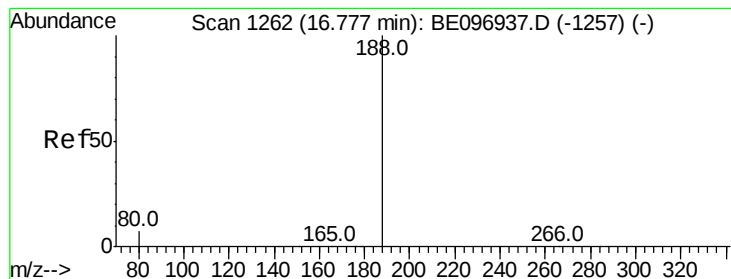
Tot Ion:330 Resp: 759
 Ion Ratio Lower Upper
 330 100
 332 94.7 152.7 229.1#
 141 43.0 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.479 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097055.D
 Acq: 24 Jul 2018 3:14

Tgt Ion:172 Resp: 7186
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.9 44.9
 170 24.9 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

Instrument :

BNA_E

ClientSampleId :

RE117D2-071618

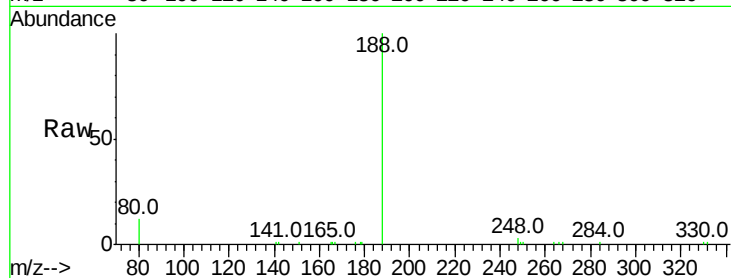
Tot Ion:188 Resp: 11575

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

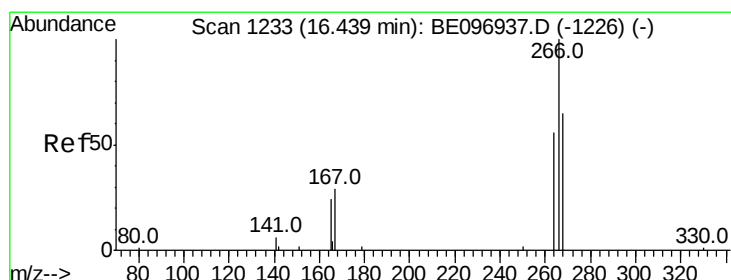
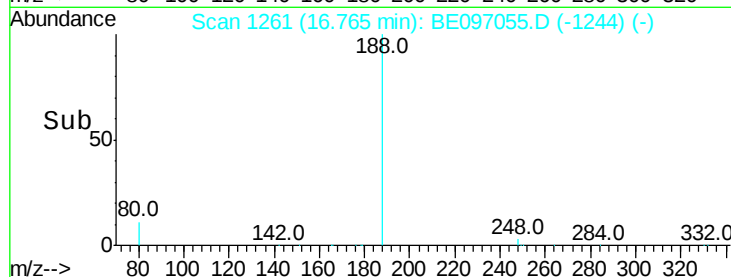
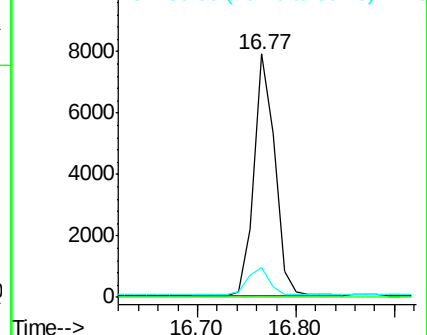
80 12.5 3.6 5.4#



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: Below Cal

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

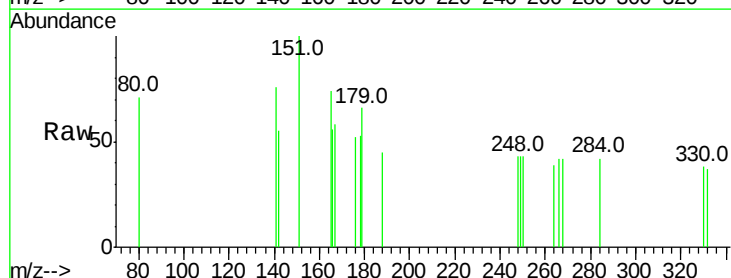
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 94.0 72.5 108.7

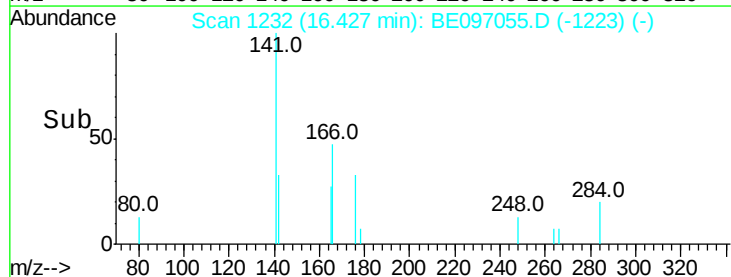
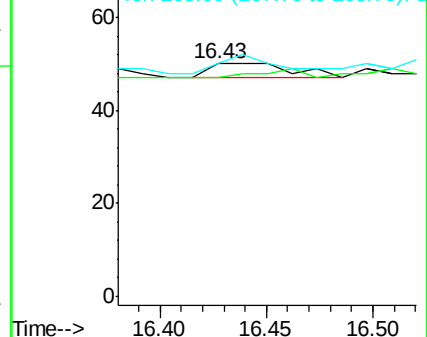
268 100.0 73.8 110.6

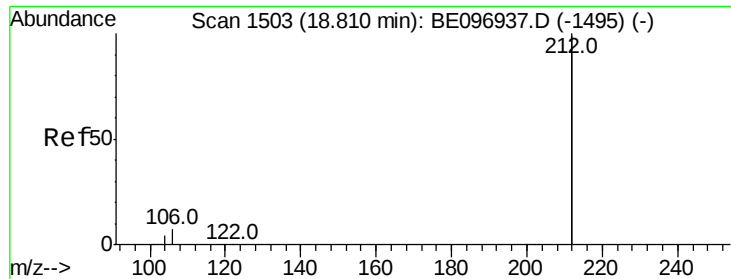


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.631 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

Instrument :

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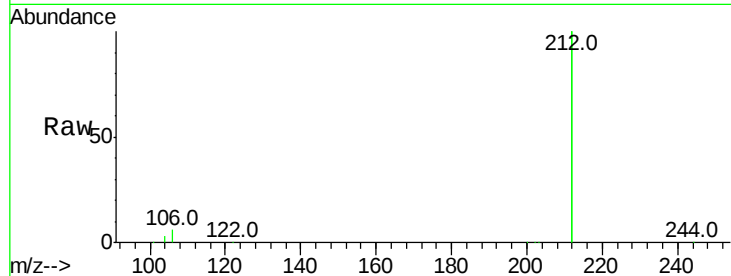
Tot Ion:212 Resp: 63539

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

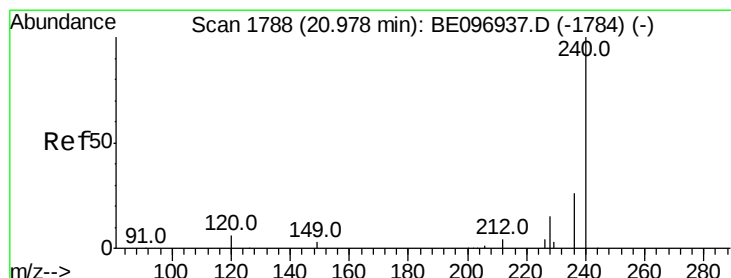
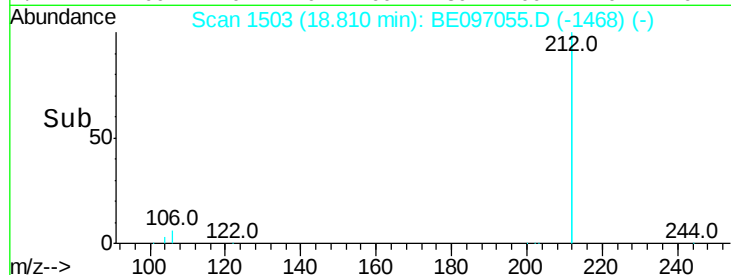
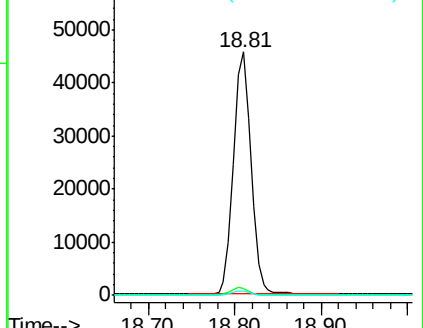
104 1.7 1.6 2.4



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# 1788

Delta R.T. -0.00 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

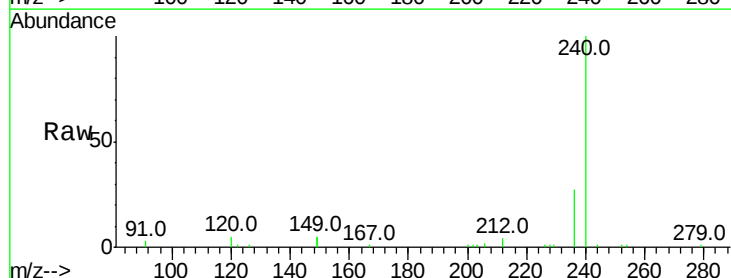
Tgt Ion:240 Resp: 11487

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

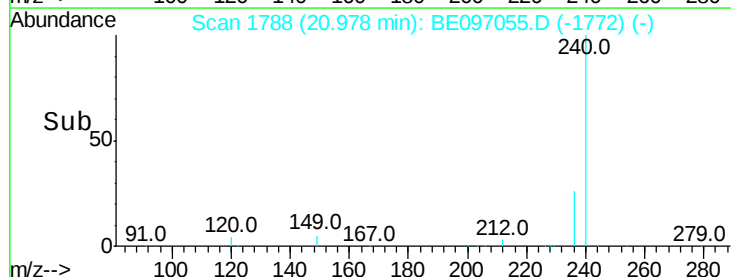
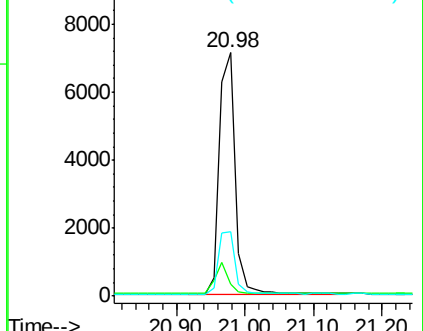
236 26.5 20.7 31.1

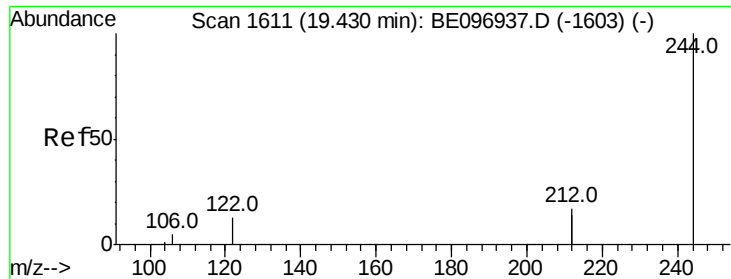


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.685 ng

RT: 19.42 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

Instrument :

BNA_E

ClientSampleId :

RE117D2-071618

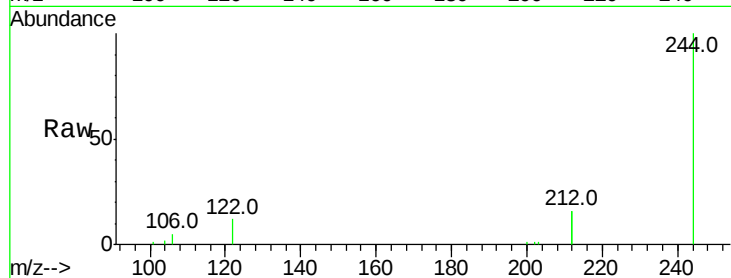
Tot Ion:244 Resp: 15187

Ion Ratio Lower Upper

244 100

212 32.8 25.4 38.0

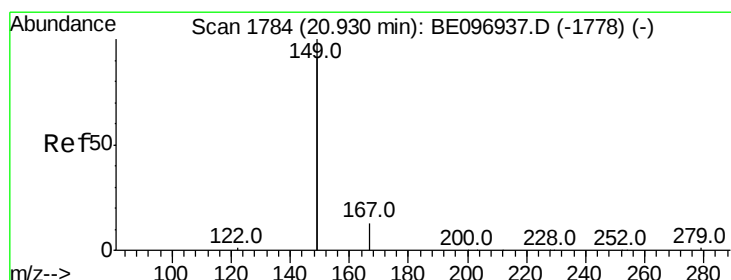
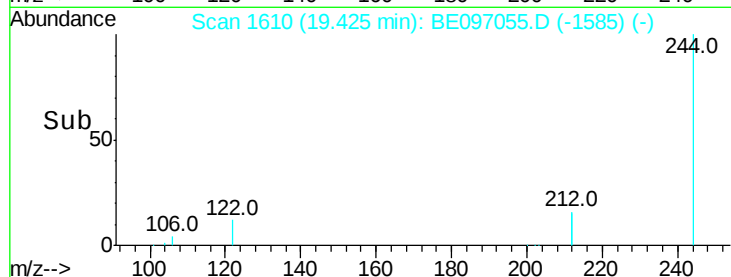
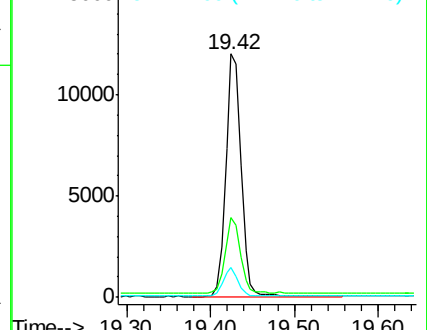
122 12.4 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.122 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE097055.D

Acq: 24 Jul 2018 3:14

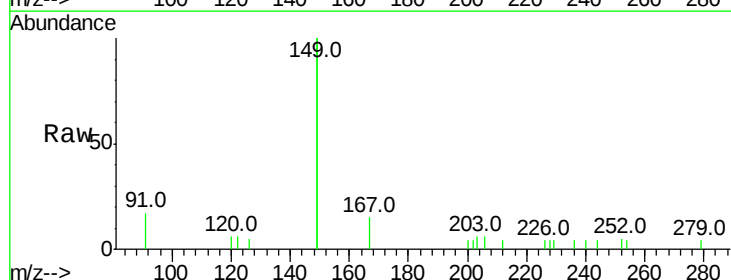
Tgt Ion:149 Resp: 3339

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

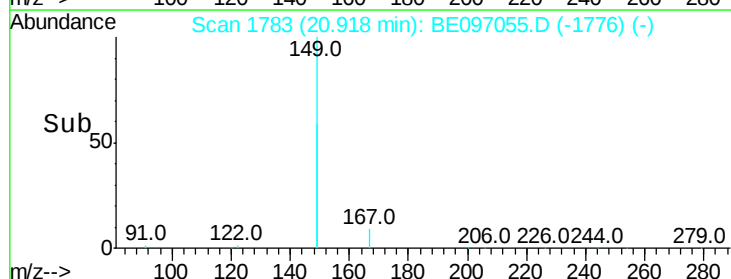
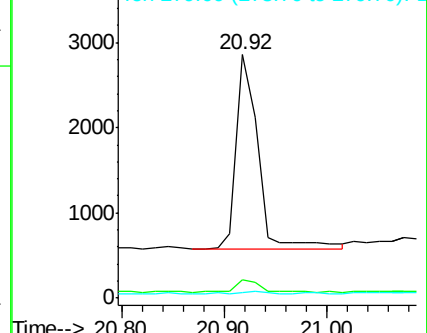
279 1.1 0.7 1.1#

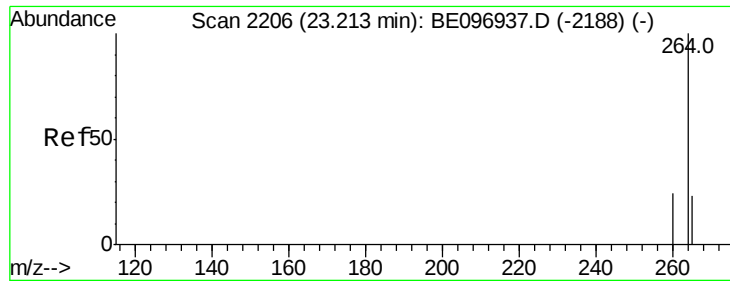


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

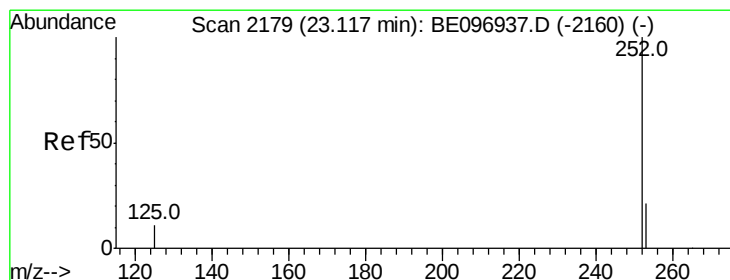
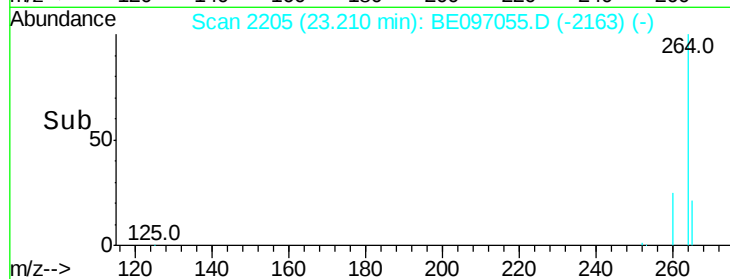
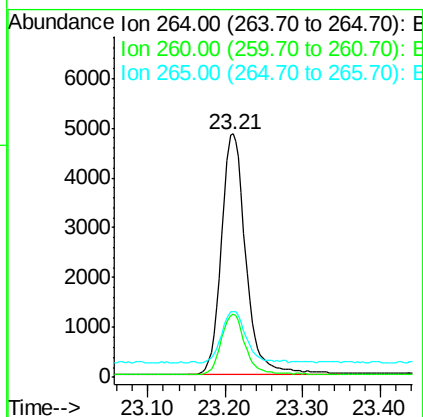
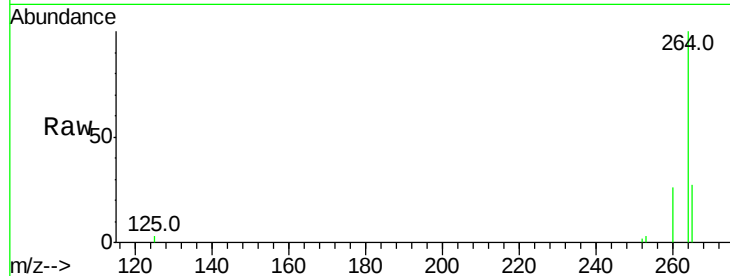




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097055.D
Acq: 24 Jul 2018 3:14

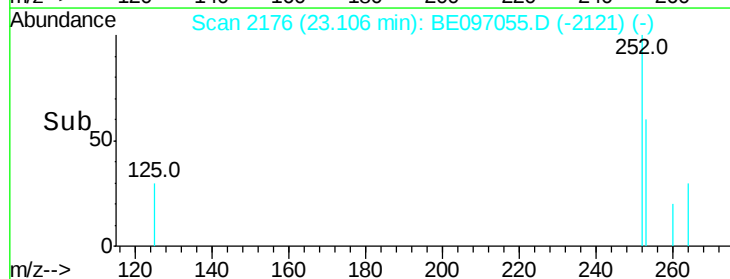
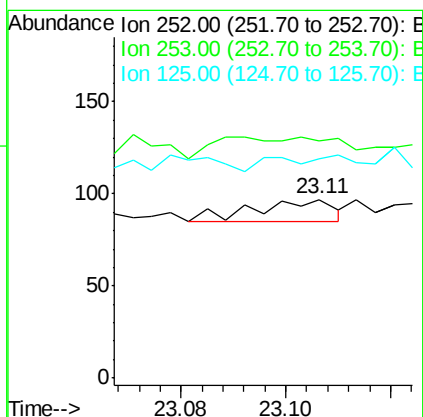
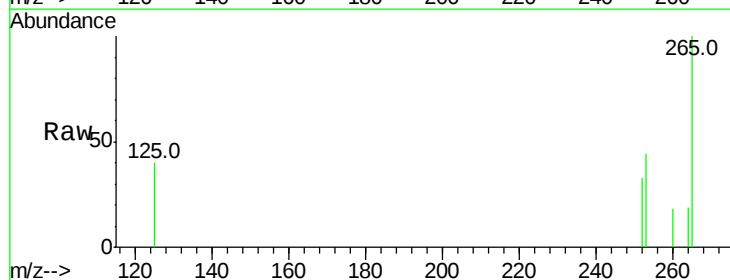
Instrument :
BNA_E
ClientSampleId :
RE117D2-071618

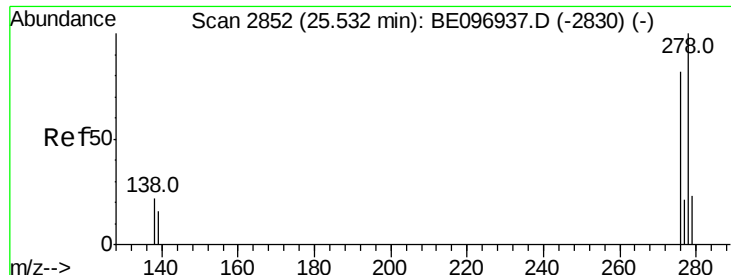
Tot Ion:264 Resp: 10619
Ion Ratio Lower Upper
264 100
260 26.0 20.5 30.7
265 26.8 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.102 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE097055.D
Acq: 24 Jul 2018 3:14

Tgt Ion:252 Resp: 12
Ion Ratio Lower Upper
252 100
253 133.0 16.0 24.0#
125 122.7 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097055.D

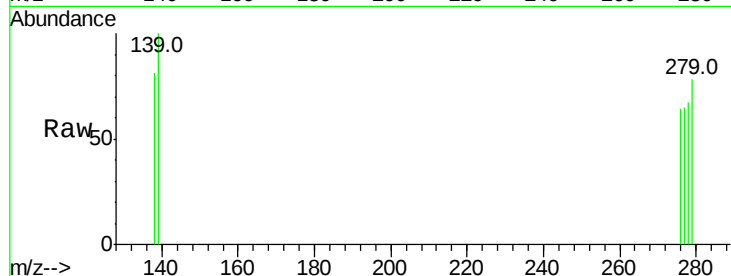
Acq: 24 Jul 2018 3:14

Instrument :

BNA_E

ClientSampleId :

RE117D2-071618



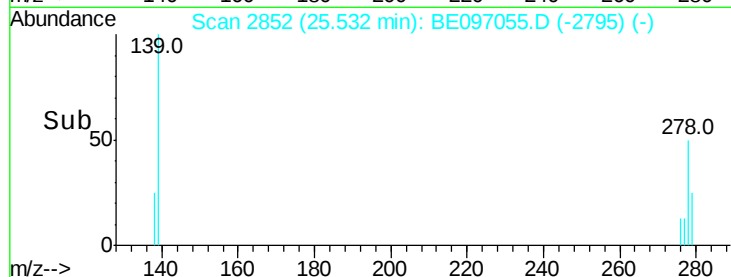
Tot Ion: 278 Resp: 3

Ion Ratio Lower Upper

278 100

139 149.2 16.0 24.0#

279 116.9 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

