

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE071918\
 Data File : BE097008.D
 Acq On : 19 Jul 2018 17:05
 Operator : SJ/JU
 Sample : J4014-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE103D2-071218

Quant Time: Jul 20 04:32:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1474	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6906	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	4285	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	12903	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	12167	0.40	ng	0.00
34) Perylene-d12	23.21	264	11088	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	687	0.19	ng	0.01
5) Phenol-d6	6.59	99	594	0.11	ng	0.00
8) Nitrobenzene-d5	8.53	82	2314	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3918	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	520	0.53	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8005	0.50	ng	-0.01
25) Fluoranthene-d10	18.81	212	57666	0.51	ng	0.00
29) Terphenyl-d14	19.43	244	12378	0.53	ng	0.00

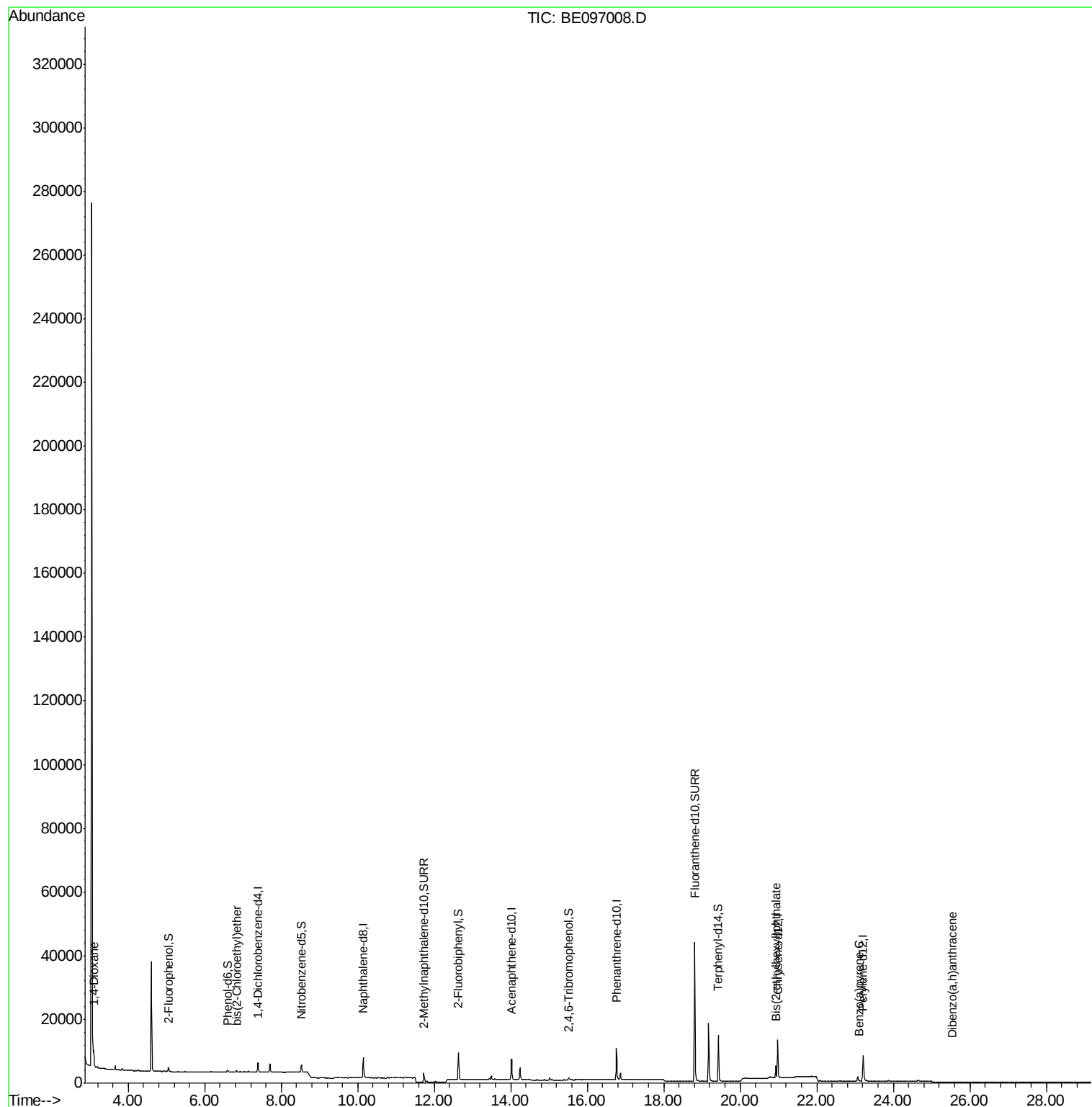
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1819	0.862	ng	95
6) bis(2-Chloroethyl)ether	6.84	93	178	0.034	ng	# 94
22) Pentachlorophenol	16.43	266	4	Below Cal		92
32) Bis(2-ethylhexyl)phthalate	20.93	149	4682	0.162	ng	# 100
37) Benzo(a)pyrene	23.12	252	6	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	8	0.118	ng	# 1

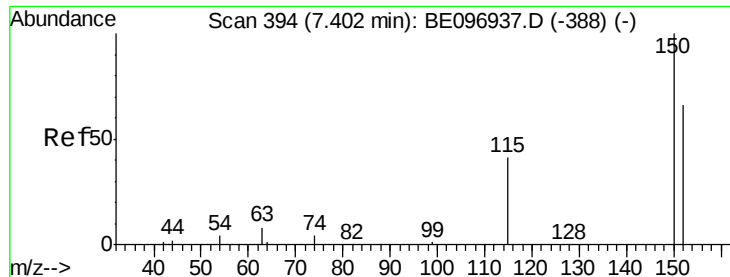
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE097008.D

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Instrument :

BNA_E

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RE103D2-071218

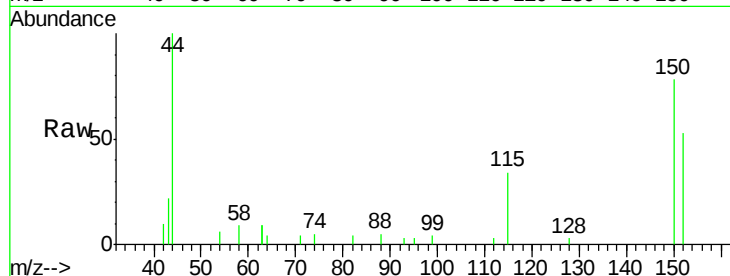
Tgt Ion:152 Resp: 1474

Ion Ratio Lower Upper

152 100

150 147.1 117.2 175.8

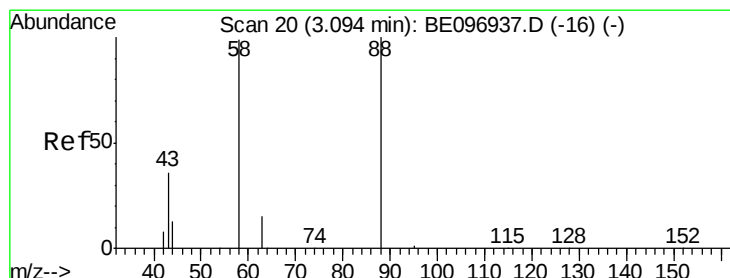
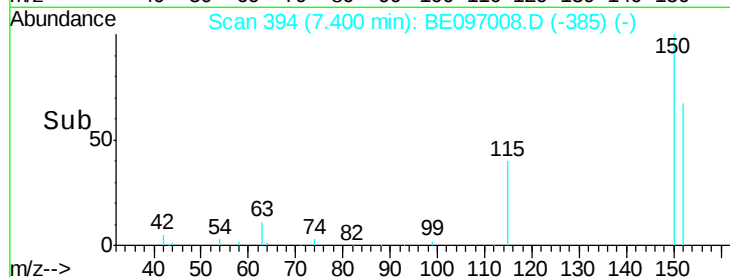
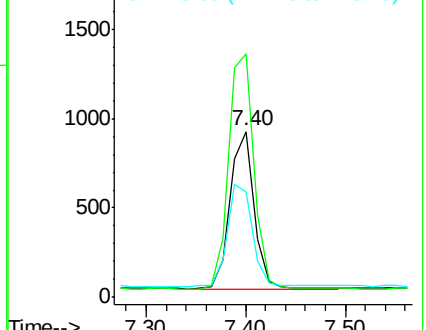
115 63.5 57.0 85.6



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: 0.862 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

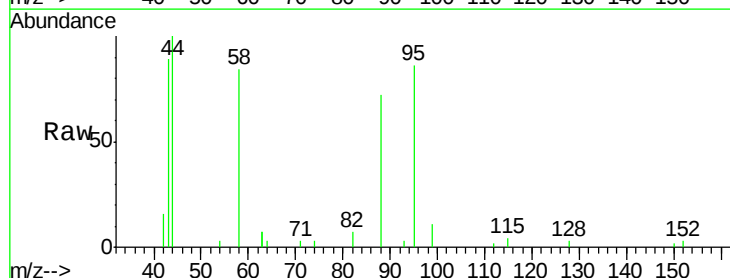
Tgt Ion: 88 Resp: 1819

Ion Ratio Lower Upper

88 100

58 85.2 63.2 94.8

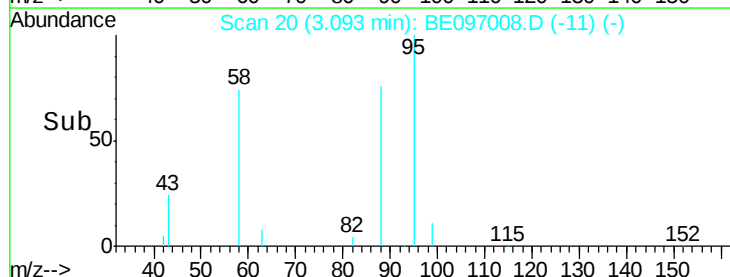
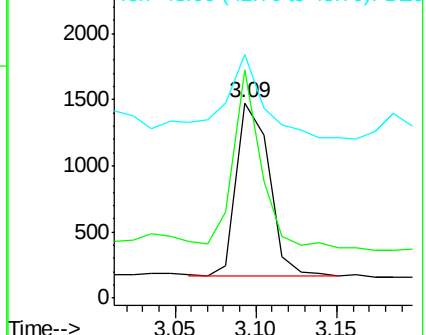
43 53.5 41.2 61.8

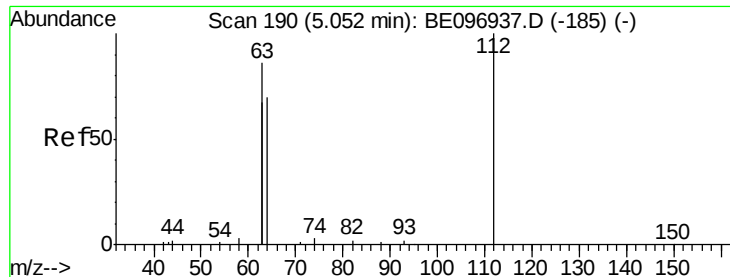


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.195 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA_E

ClientSampleId :

RE103D2-071218

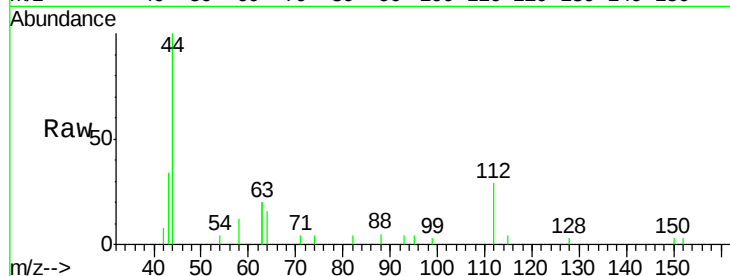
Tgt Ion: 112 Resp: 687

Ion Ratio Lower Upper

112 100

64 69.7 60.1 90.1

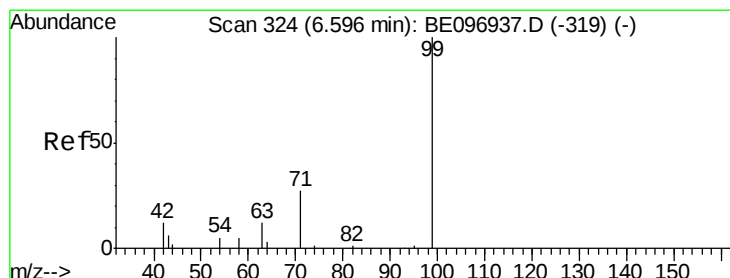
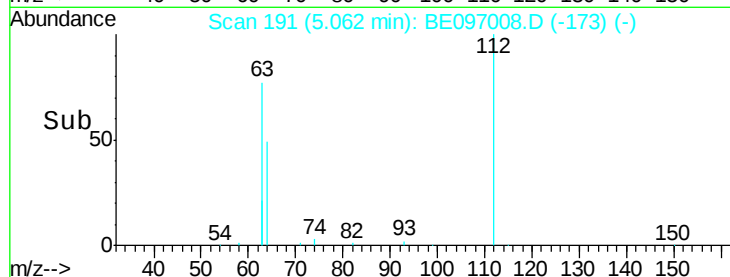
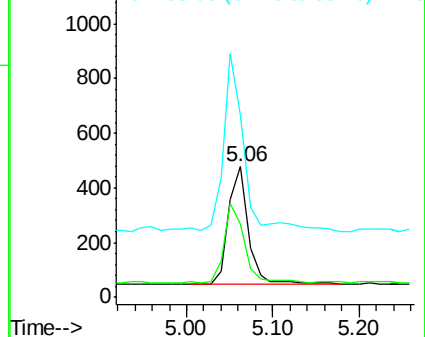
63 139.0 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.110 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

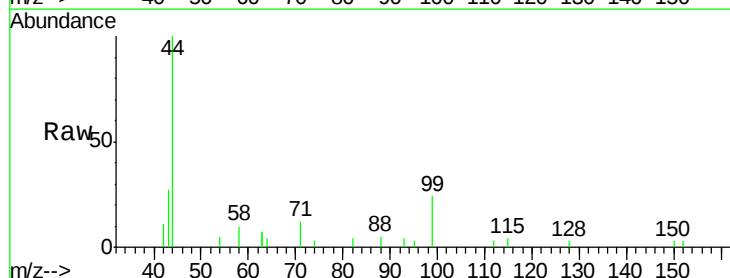
Tgt Ion: 99 Resp: 594

Ion Ratio Lower Upper

99 100

42 25.8 20.2 30.2

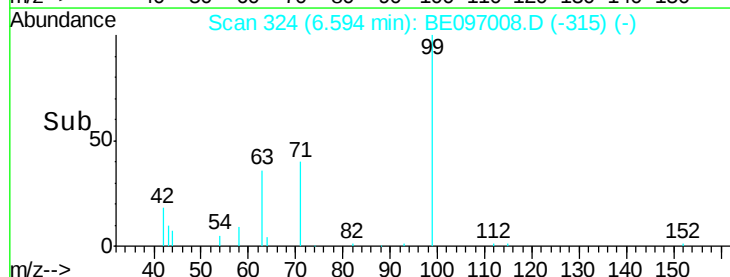
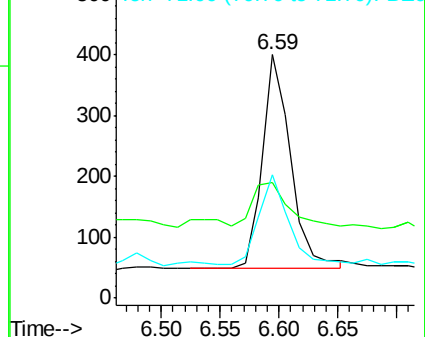
71 43.3 28.4 42.6#

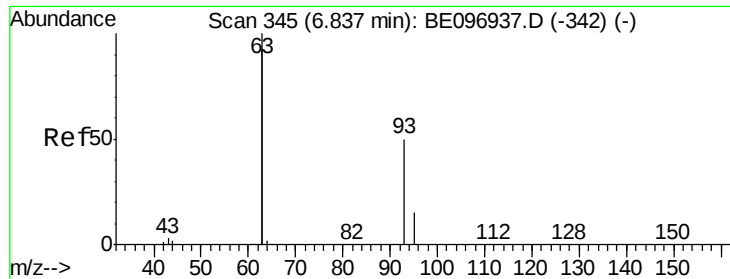


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.034 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA_E

ClientSampleId :

RE103D2-071218

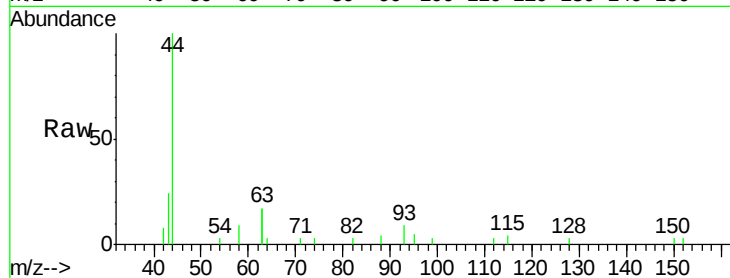
Tgt Ion: 93 Resp: 178

Ion Ratio Lower Upper

93 100

63 356.2 275.3 412.9

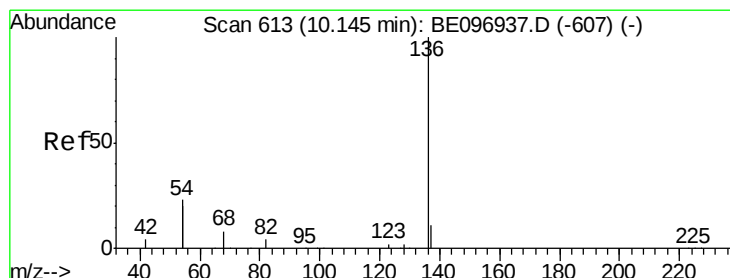
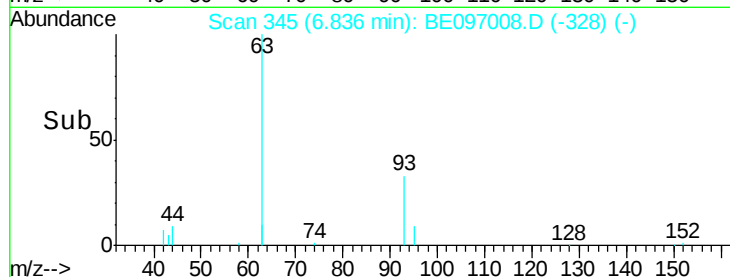
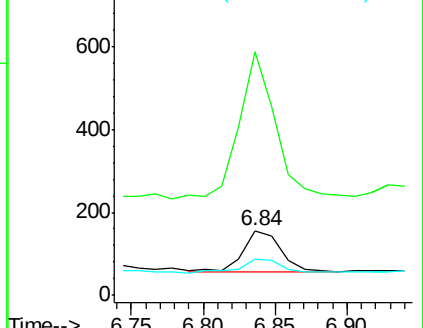
95 39.3 25.2 37.8#



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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Tgt Ion: 136 Resp: 6906

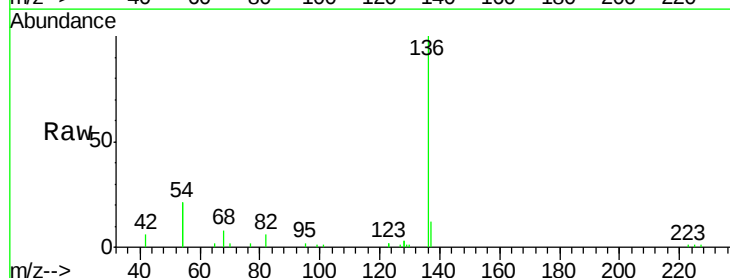
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 42.9 29.1 43.7

68 7.9 6.2 9.2

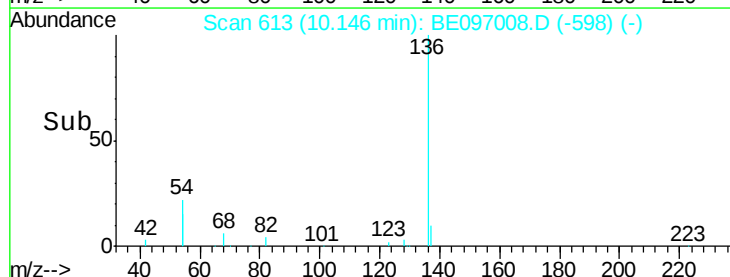
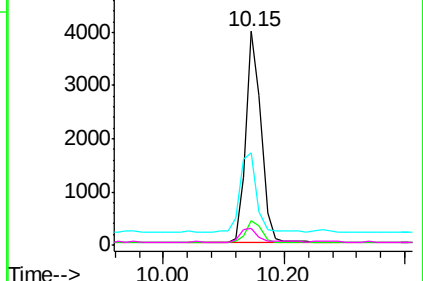


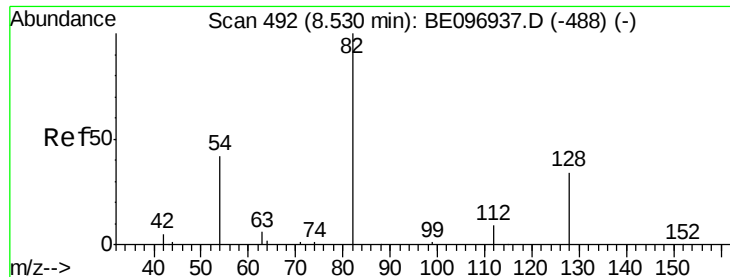
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.459 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

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RE103D2-071218

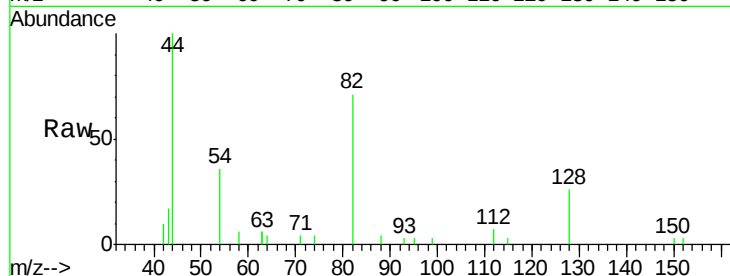
Tgt Ion: 82 Resp: 2314

Ion Ratio Lower Upper

82 100

128 36.1 24.0 36.0#

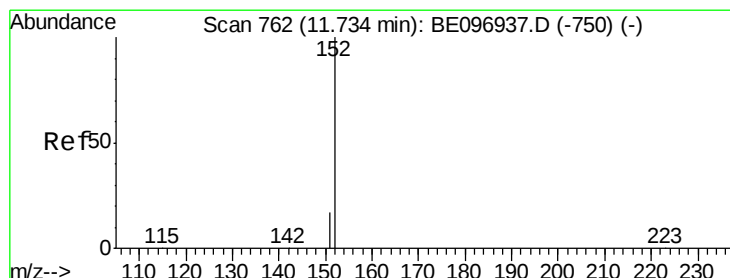
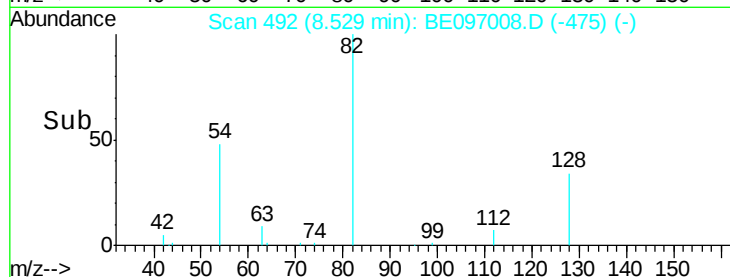
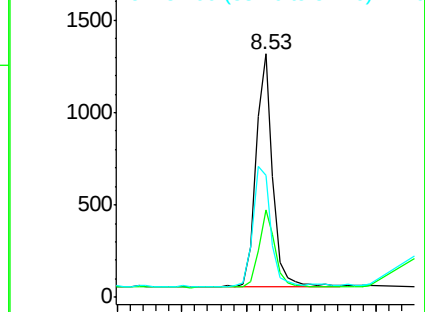
54 50.3 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE096937.D (-488) (-)

Ion 128.00 (127.70 to 128.70): BE096937.D (-488) (-)

Ion 54.00 (53.70 to 54.70): BE096937.D (-488) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.389 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097008.D

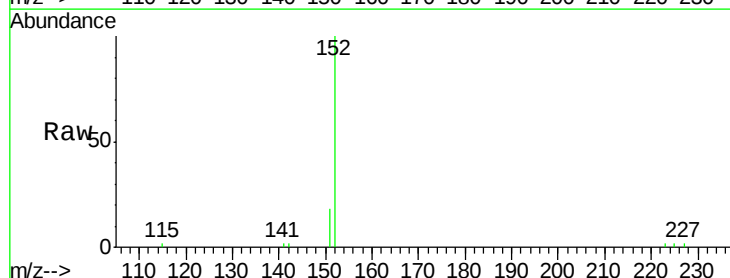
Acq: 19 Jul 2018 17:05

Tgt Ion: 152 Resp: 3918

Ion Ratio Lower Upper

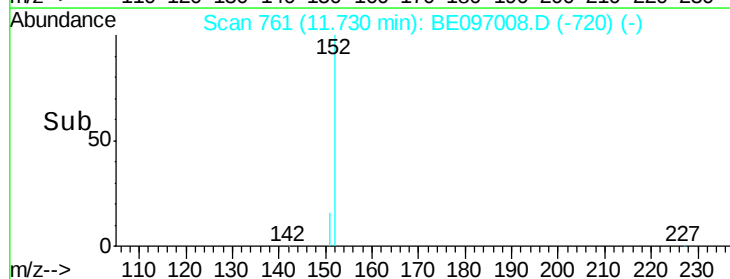
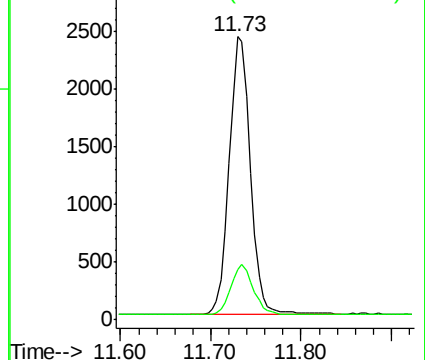
152 100

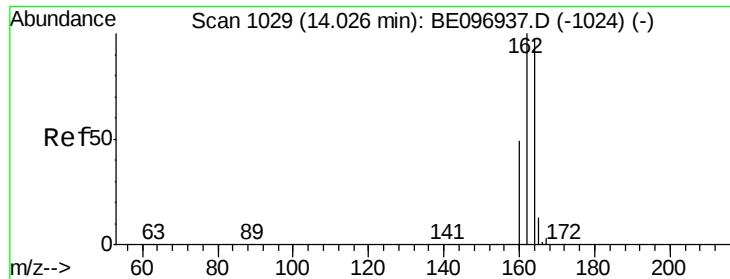
151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE096937.D (-750) (-)

Ion 151.00 (150.70 to 151.70): BE096937.D (-750) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA_E

ClientSampleId :

RE103D2-071218

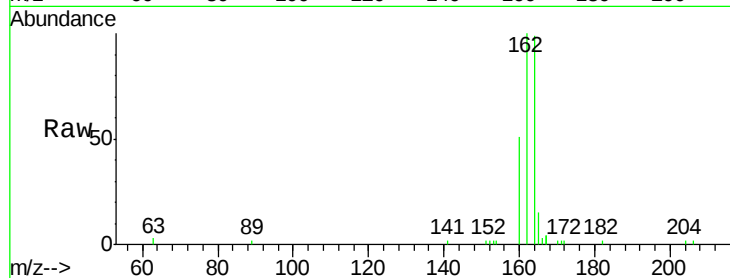
Tgt Ion:164 Resp: 4285

Ion Ratio Lower Upper

164 100

162 101.1 83.1 124.7

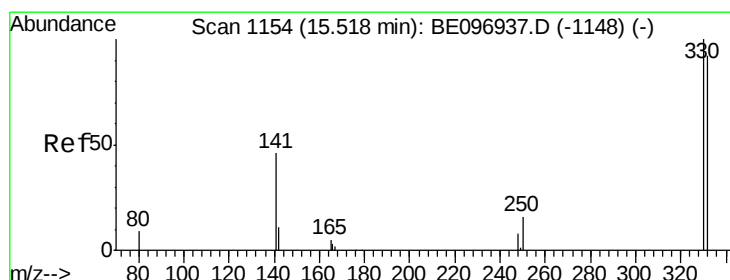
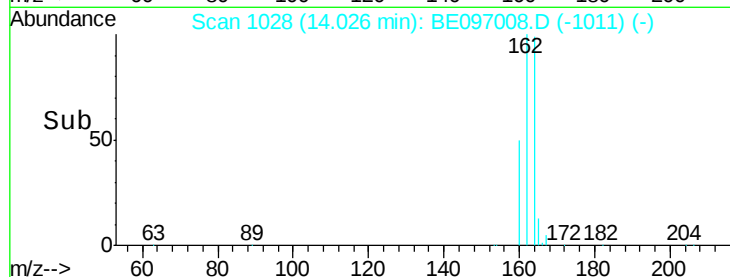
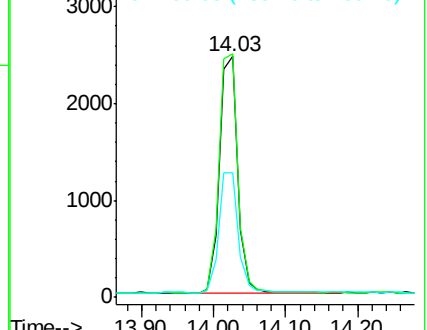
160 51.9 37.1 55.7



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: 0.528 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

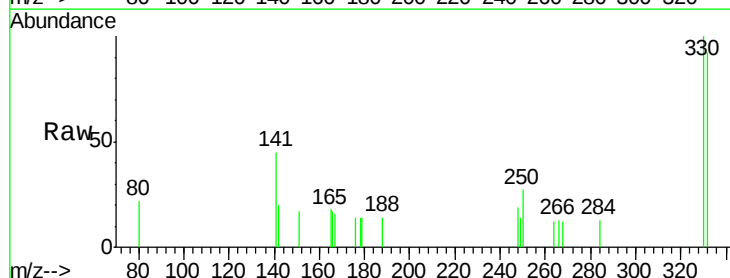
Tgt Ion:330 Resp: 520

Ion Ratio Lower Upper

330 100

332 94.6 152.7 229.1#

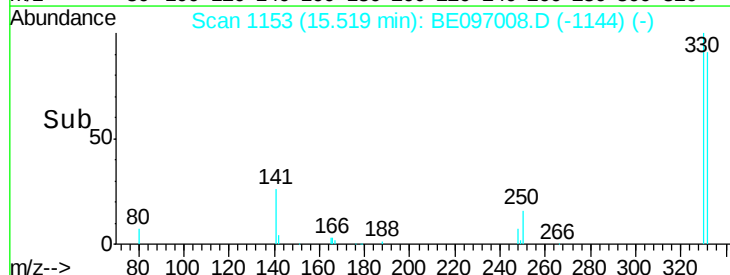
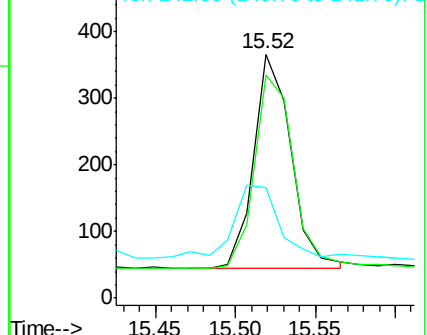
141 39.6 33.7 50.5

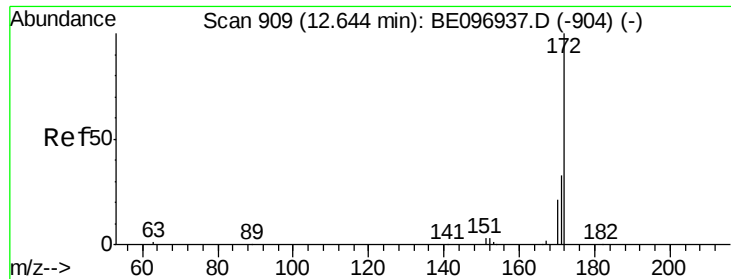


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

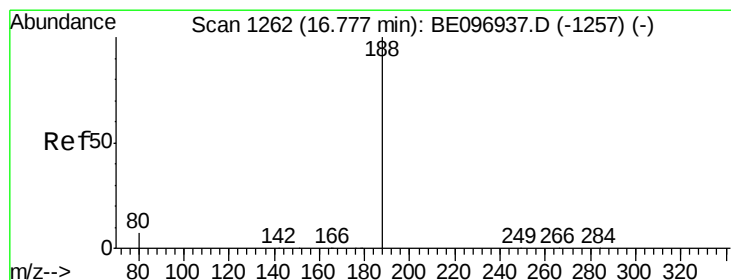
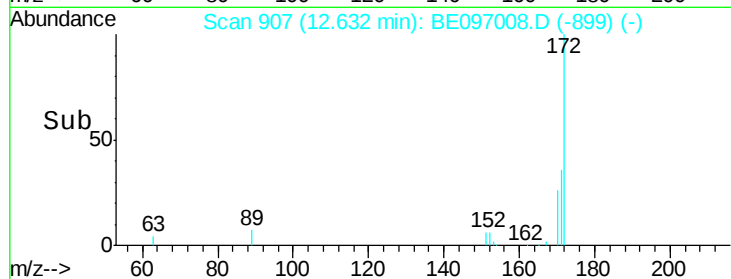
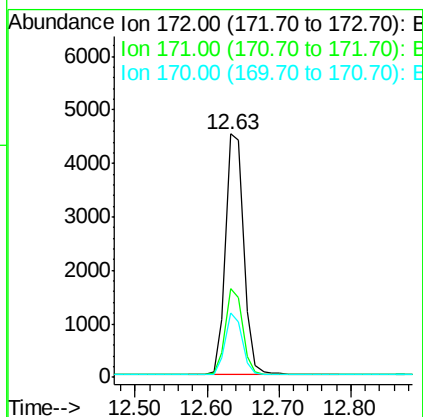
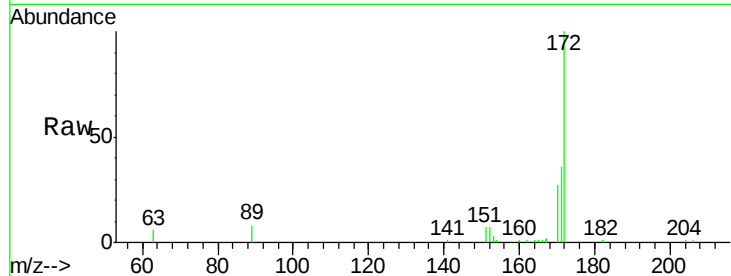




#15
2-Fluorobiphenyl
Concen: 0.502 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.01 min
Lab File: BE097008.D
Acq: 19 Jul 2018 17:05

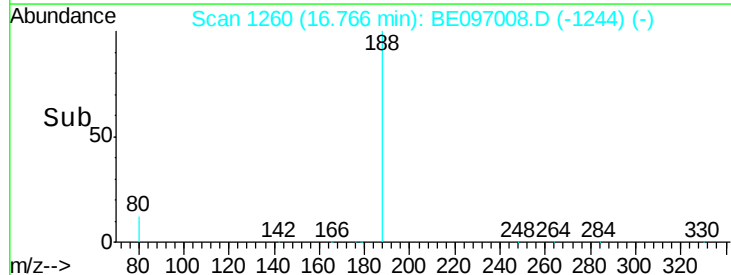
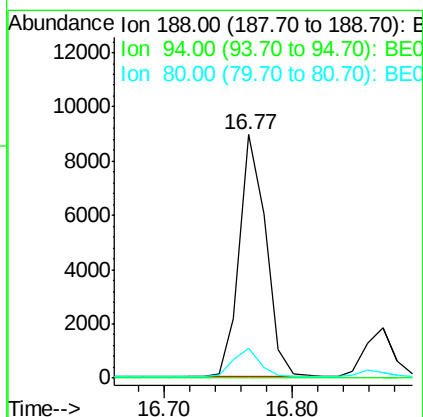
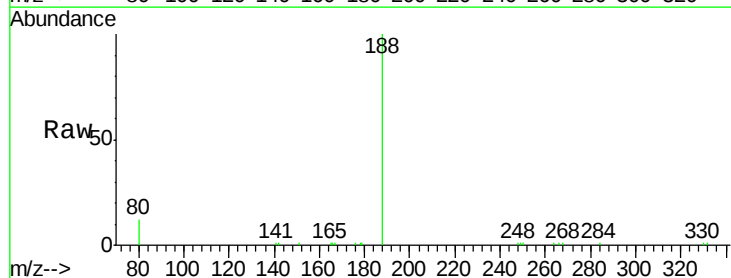
Instrument :
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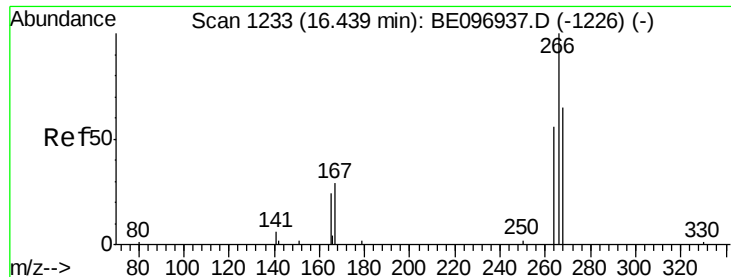
Tgt Ion:172 Resp: 8005
Ion Ratio Lower Upper
172 100
171 36.4 29.9 44.9
170 26.5 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BE097008.D
Acq: 19 Jul 2018 17:05

Tgt Ion:188 Resp: 12903
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.5 3.6 5.4#

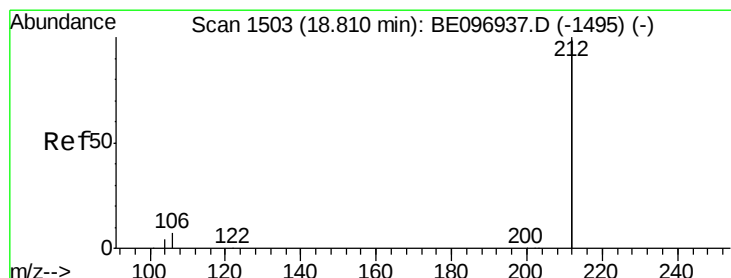
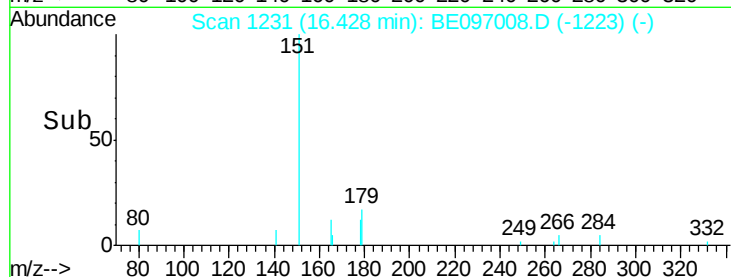
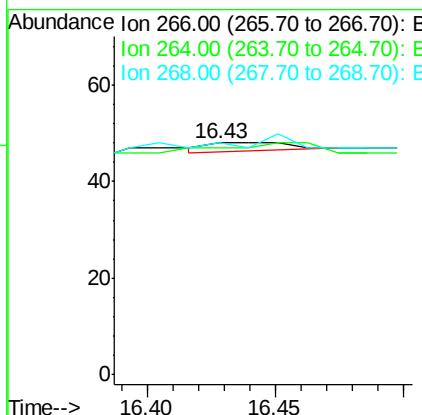
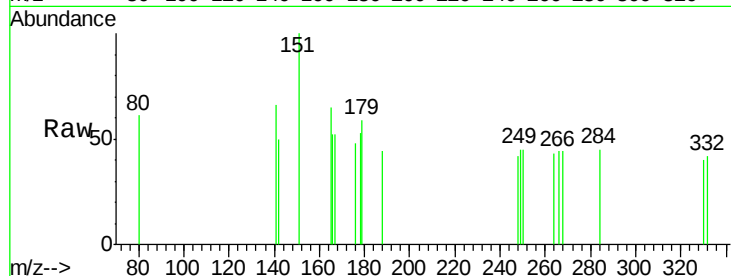




#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.43 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BE097008.D
 Acq: 19 Jul 2018 17:05

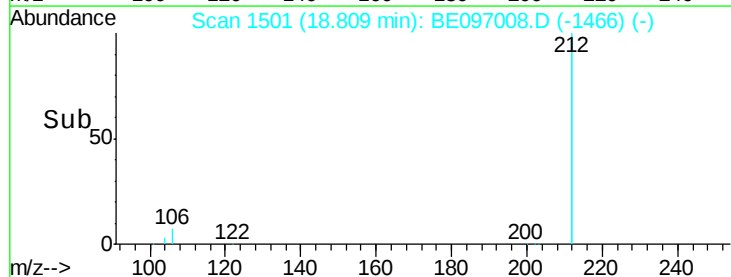
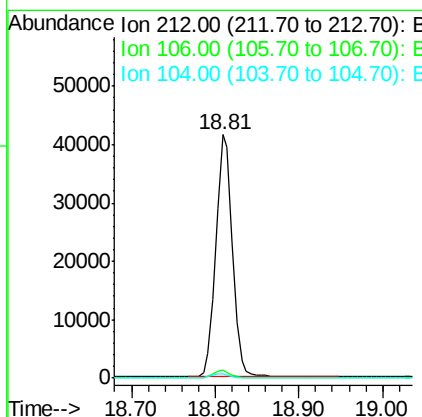
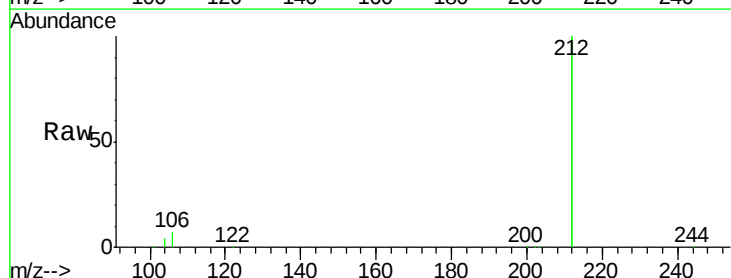
Instrument :
 BNA_E
 ClientSampleId :
 RE103D2-071218

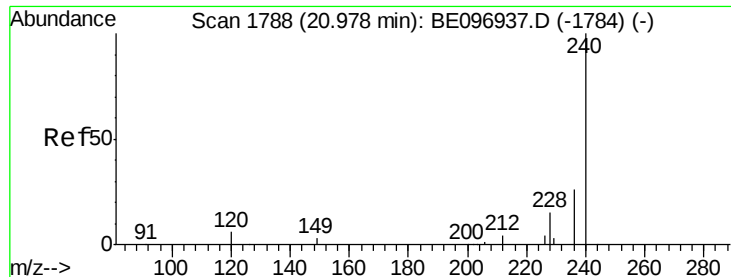
Tgt Ion: 266 Resp: 4
 Ion Ratio Lower Upper
 266 100
 264 97.9 72.5 108.7
 268 100.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.514 ng
 RT: 18.81 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: BE097008.D
 Acq: 19 Jul 2018 17:05

Tgt Ion: 212 Resp: 57666
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.8 4.2
 104 1.7 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Instrument :

BNA_E

ClientSampleId :

RE103D2-071218

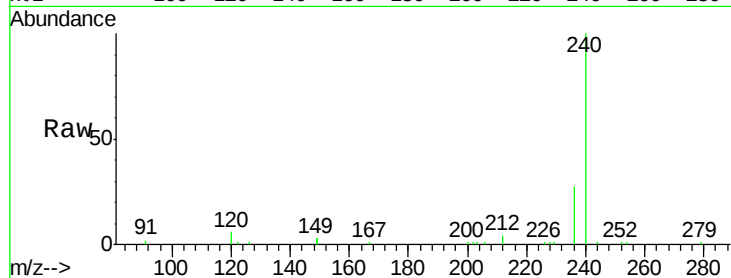
Tgt Ion:240 Resp: 12167

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

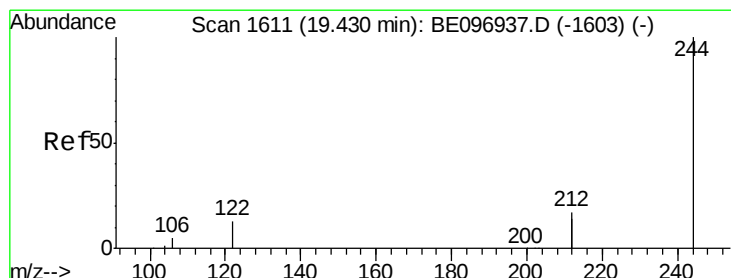
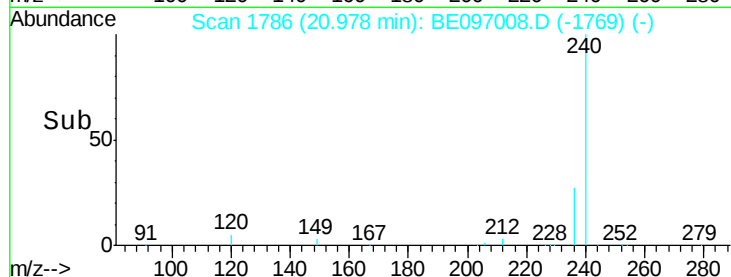
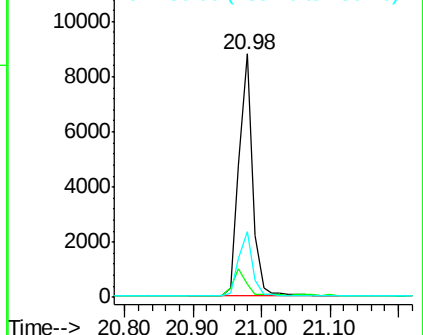
236 27.1 20.7 31.1



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: 0.527 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

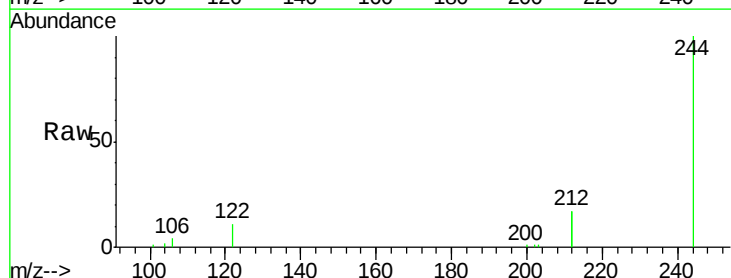
Tgt Ion:244 Resp: 12378

Ion Ratio Lower Upper

244 100

212 33.7 25.4 38.0

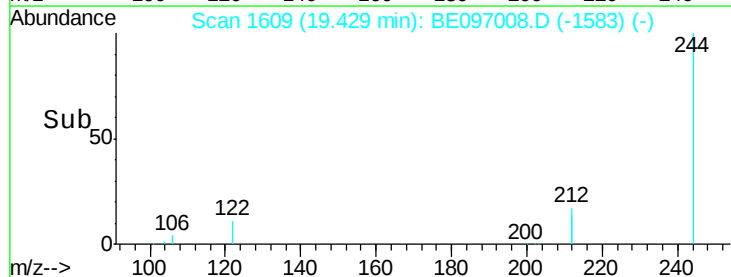
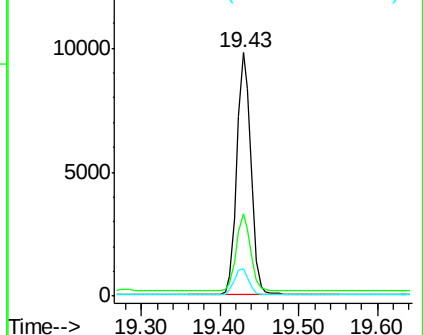
122 11.1 8.1 12.1

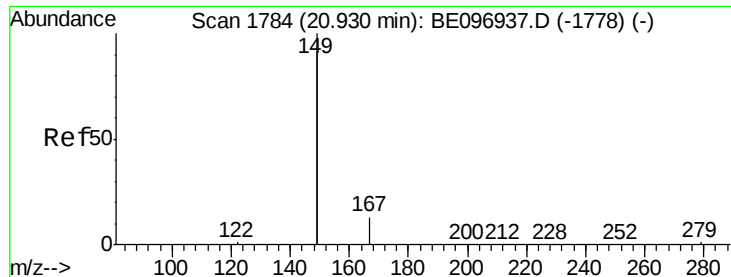


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

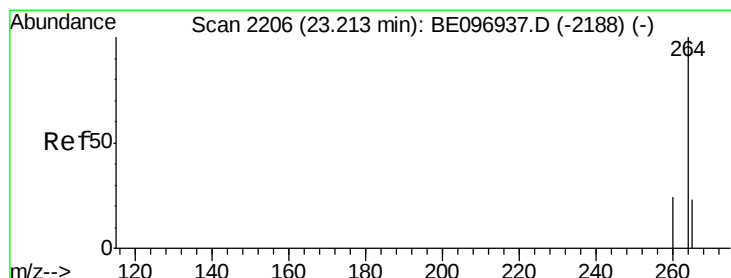
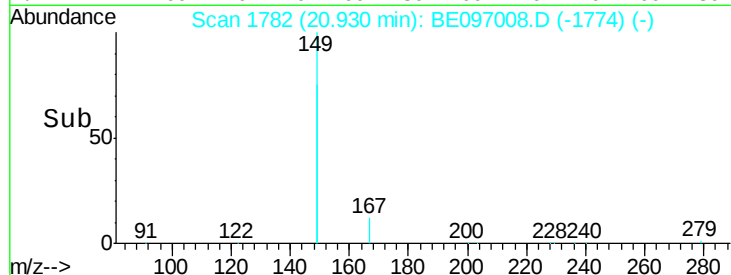
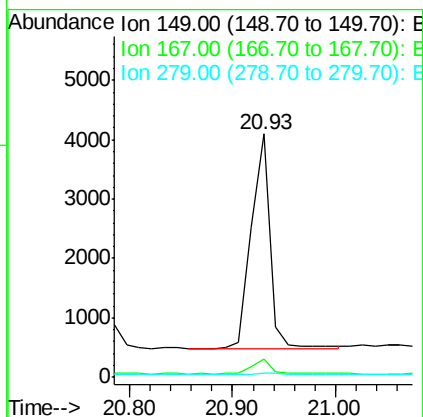
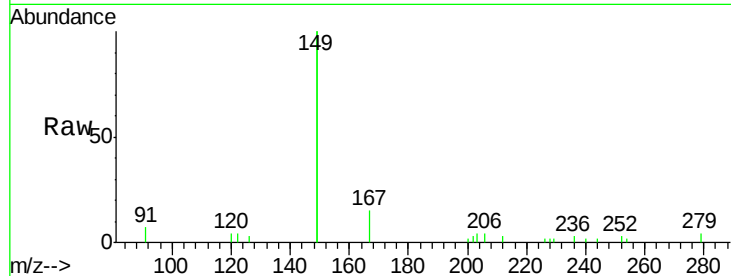




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.162 ng
 RT: 20.93 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: BE097008.D
 Acq: 19 Jul 2018 17:05

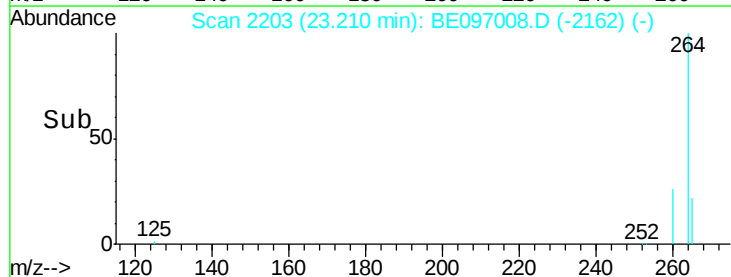
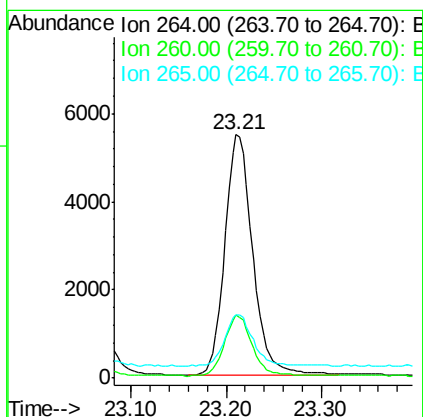
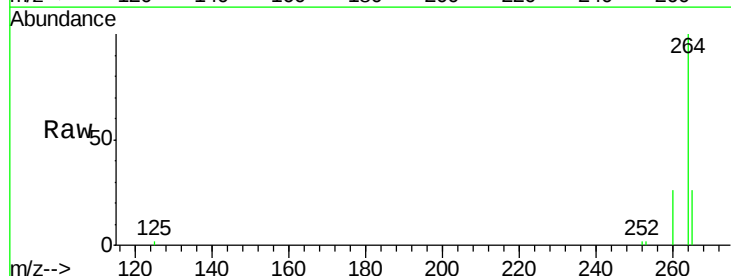
Instrument :
 BNA_E
 ClientSampleId :
 RE103D2-071218

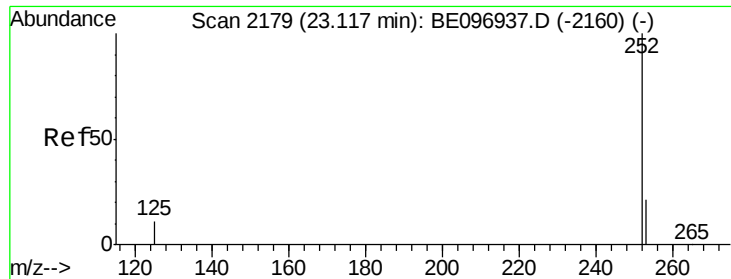
Tgt Ion:149 Resp: 4682
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.4 8.0
 279 1.2 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: BE097008.D
 Acq: 19 Jul 2018 17:05

Tgt Ion:264 Resp: 11088
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.5 30.7
 265 26.0 22.8 34.2





#37

Benzo(a)pyrene

Concen: 0.102 ng

RT: 23.12 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

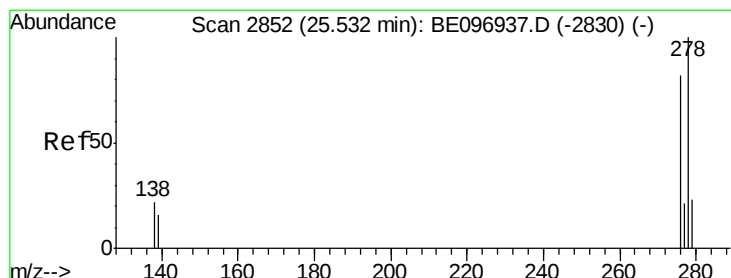
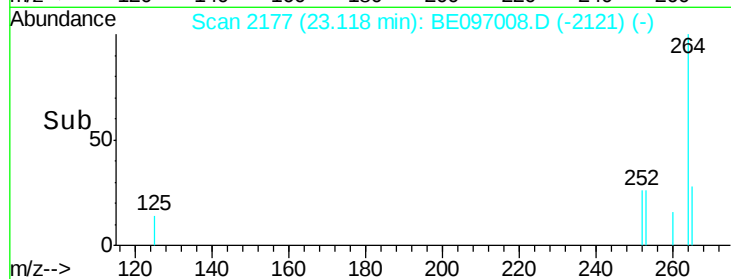
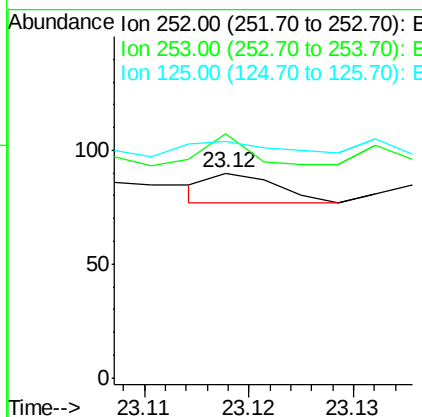
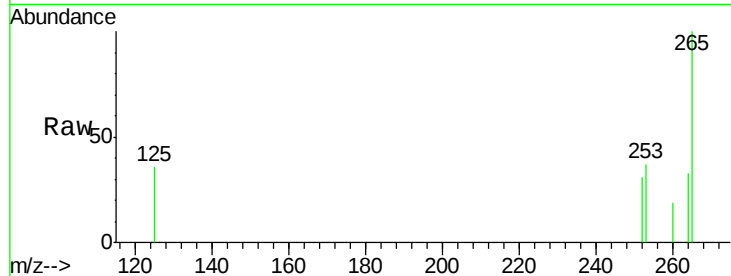
Instrument :

BNA_E

ClientSampleId :

RE103D2-071218

Tgt Ion:	252	Resp:	6
Ion	Ratio	Lower	Upper
252	100		
253	118.9	16.0	24.0#
125	115.6	12.0	18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.52 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BE097008.D

Acq: 19 Jul 2018 17:05

Tgt Ion:	278	Resp:	8
Ion	Ratio	Lower	Upper
278	100		
139	118.2	16.0	24.0#
279	107.3	20.0	30.0#

