

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
 Data File : BE097922.D
 Acq On : 16 Oct 2018 22:33
 Operator : SJ/JU
 Sample : J5393-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-137-745FT-2018109

Quant Time: Oct 17 08:09:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

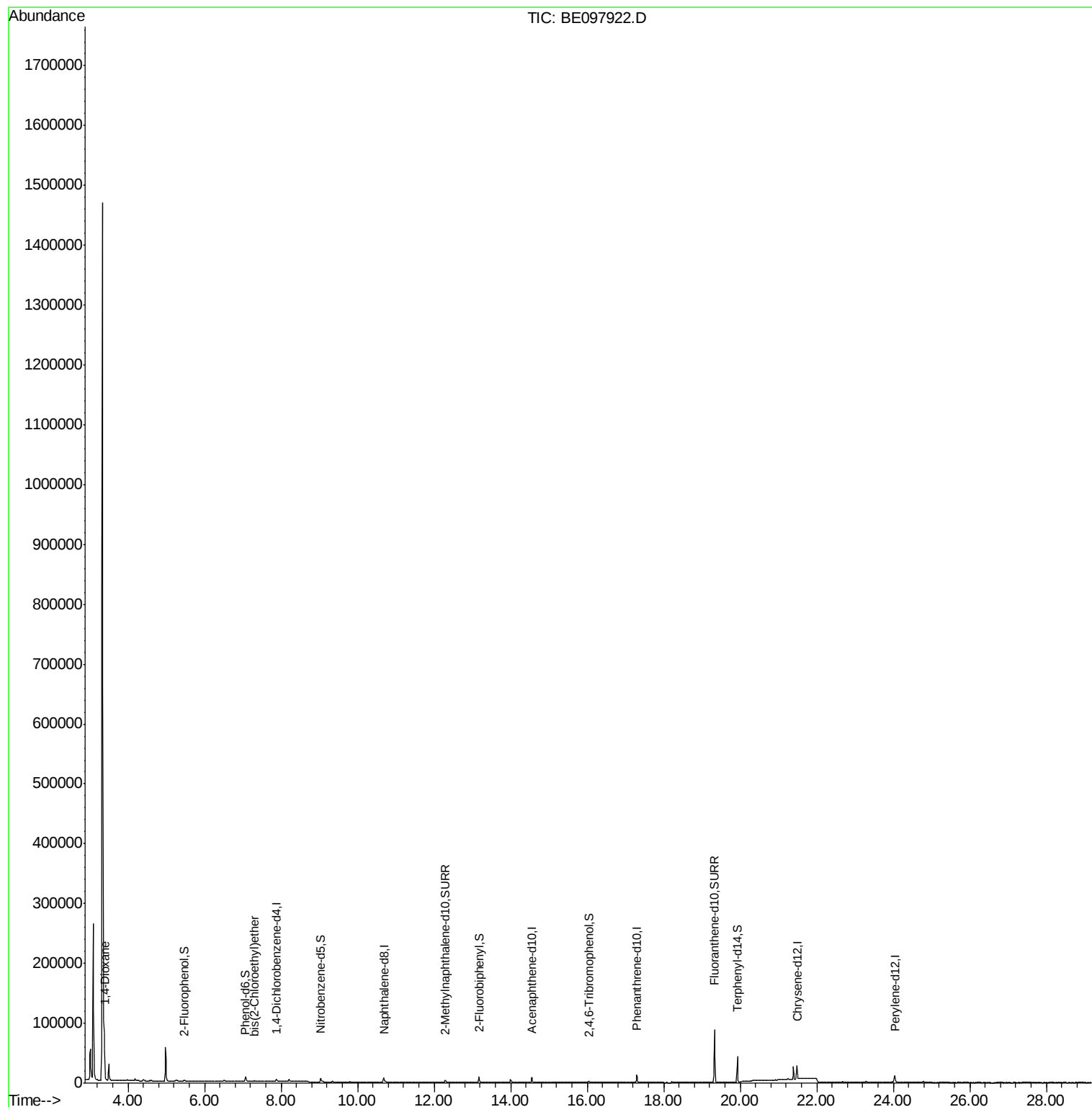
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1773	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7776	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	5582	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	18128	0.40	ng	-0.01
27) Chrysene-d12	21.49	240	27570	0.40	ng	0.00
34) Perylene-d12	24.04	264	15658	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	955	0.17	ng	0.00
5) Phenol-d6	7.06	99	929	0.11	ng	0.00
8) Nitrobenzene-d5	9.04	82	2892	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5372	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	1187	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	9165	0.40	ng	0.00
25) Fluoranthene-d10	19.33	212	115740	0.47	ng	0.00
29) Terphenyl-d14	19.92	244	36936	0.58	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	16981	5.493	ng	95
6) bis(2-Chloroethyl)ether	7.30	93	404	0.058	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.89 min Scan# 436

Delta R.T. -0.00 min

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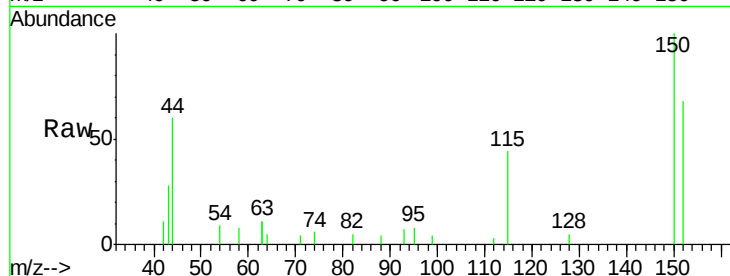
Tgt Ion:152 Resp: 1773

Ion Ratio Lower Upper

152 100

150 146.7 118.2 177.4

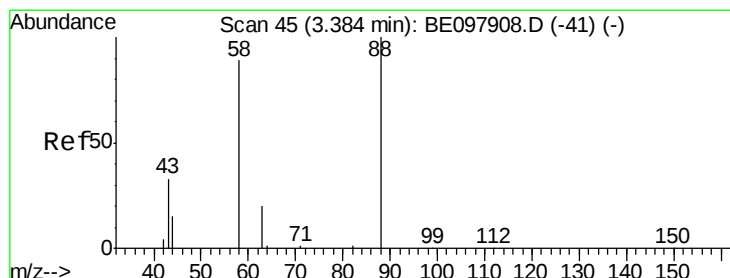
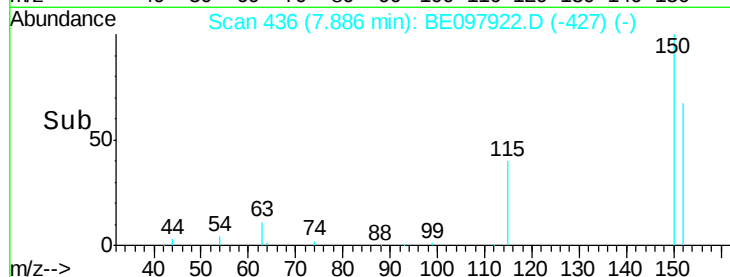
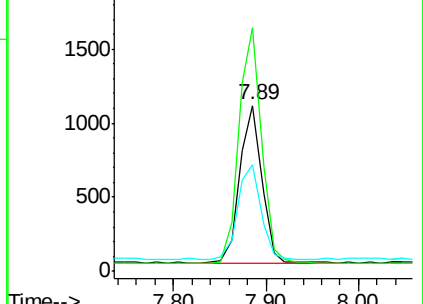
115 64.5 50.9 76.3



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: 5.493 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

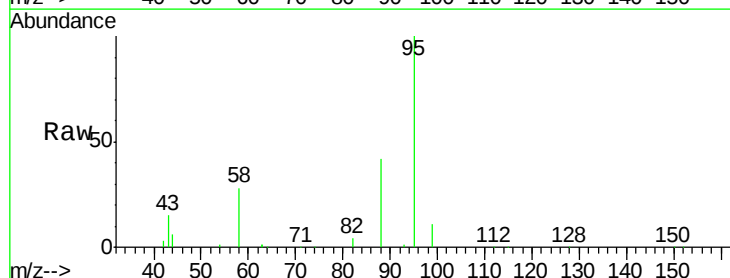
Tgt Ion: 88 Resp: 16981

Ion Ratio Lower Upper

88 100

58 85.6 73.2 109.8

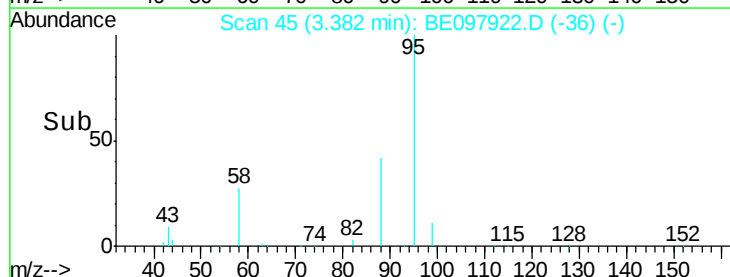
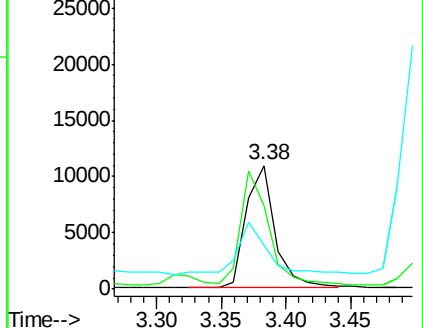
43 44.0 36.9 55.3

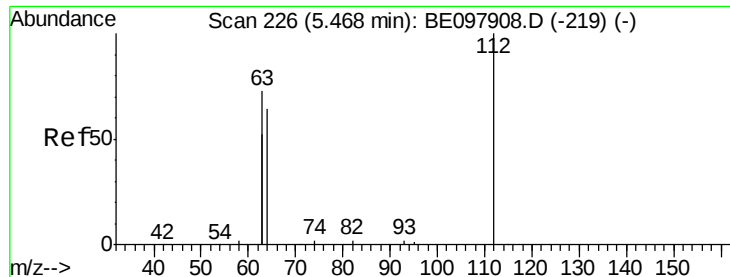


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.171 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

Instrument :

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ClientSampleId :

RE-137-745FT-2018109

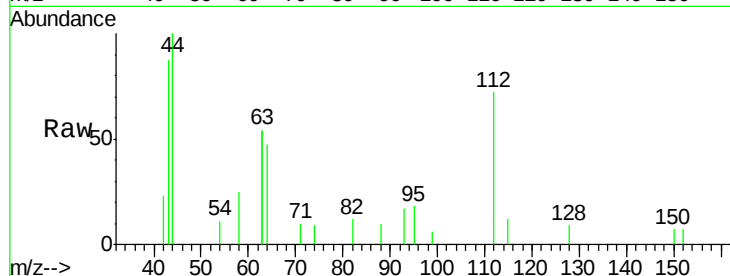
Tgt Ion: 112 Resp: 955

Ion Ratio Lower Upper

112 100

64 76.5 58.9 88.3

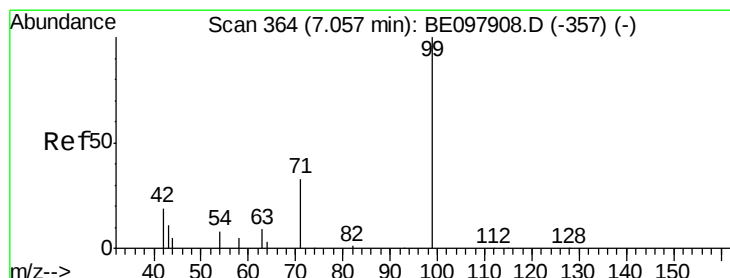
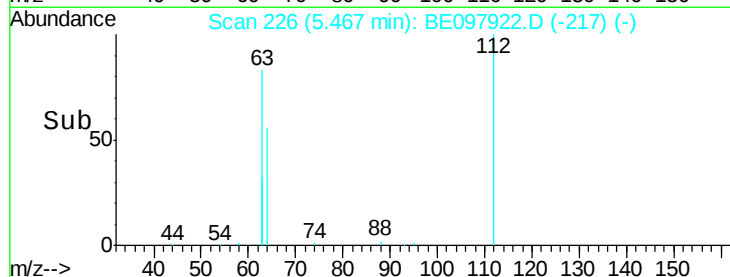
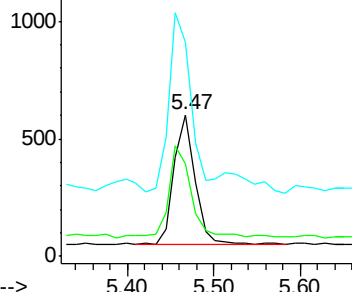
63 140.5 120.3 180.5



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: 0.112 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

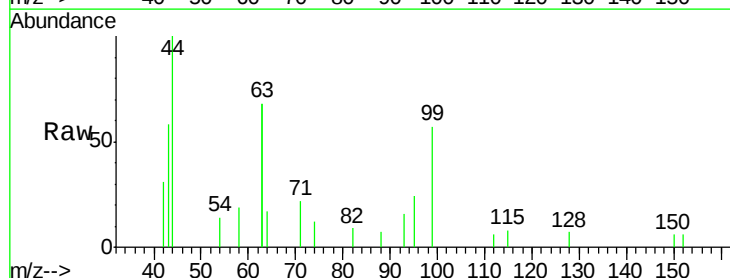
Tgt Ion: 99 Resp: 929

Ion Ratio Lower Upper

99 100

42 59.4 19.9 29.9#

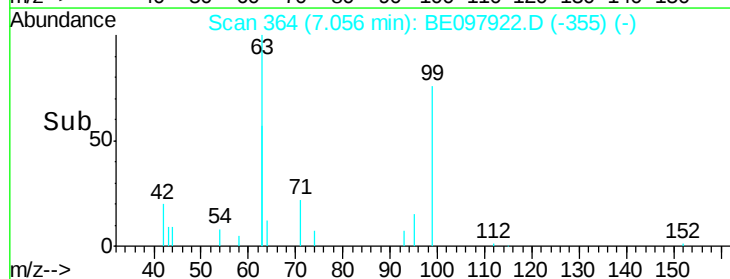
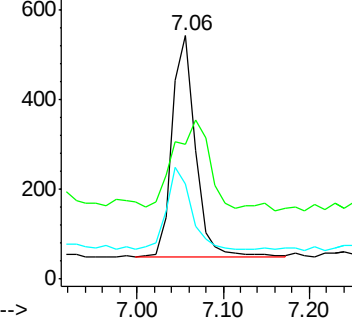
71 0.0 27.8 41.8#

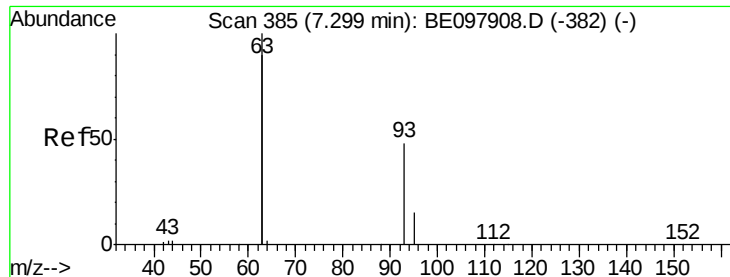


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.058 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

Instrument :

BNA_E

ClientSampleId :

RE-137-745FT-2018109

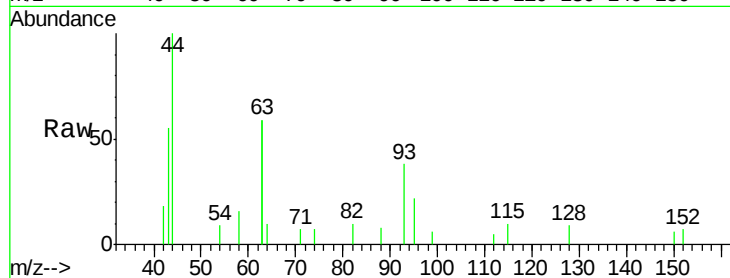
Tgt Ion: 93 Resp: 404

Ion Ratio Lower Upper

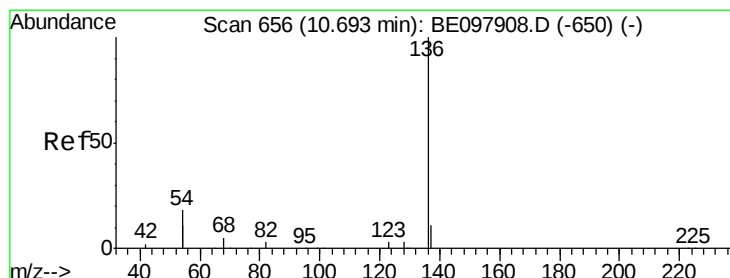
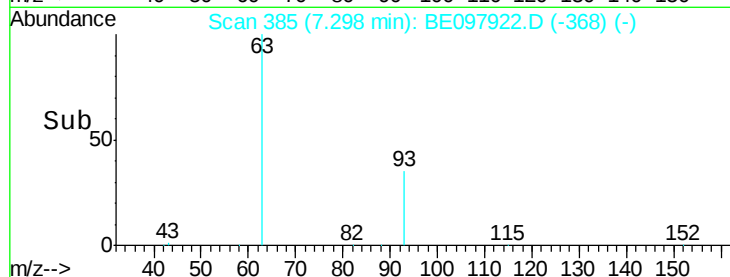
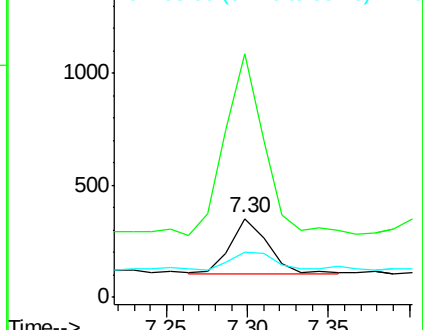
93 100

63 335.9 259.0 388.4

95 35.9 27.8 41.8



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: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

Tgt Ion: 136 Resp: 7776

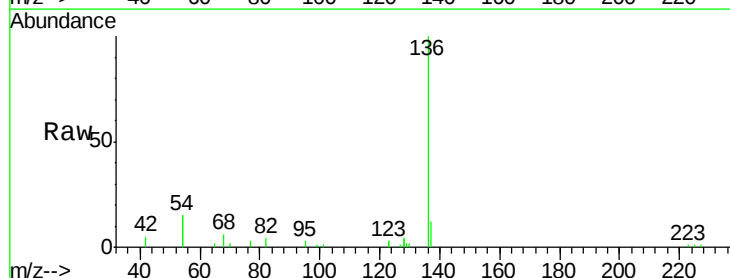
Ion Ratio Lower Upper

136 100

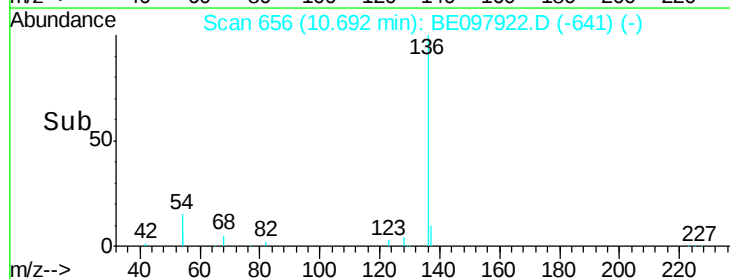
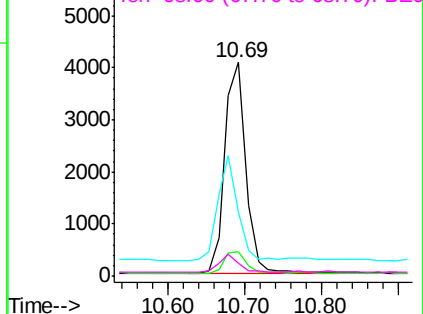
137 11.6 9.6 14.4

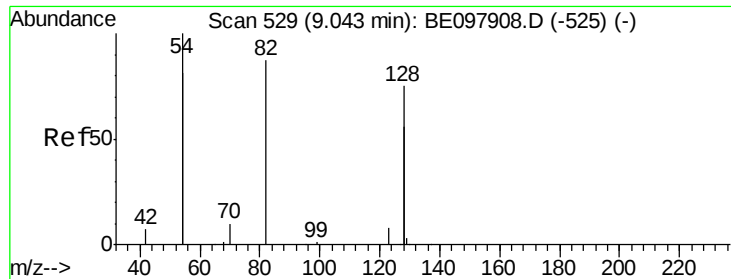
54 30.3 27.7 41.5

68 6.2 5.3 7.9



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

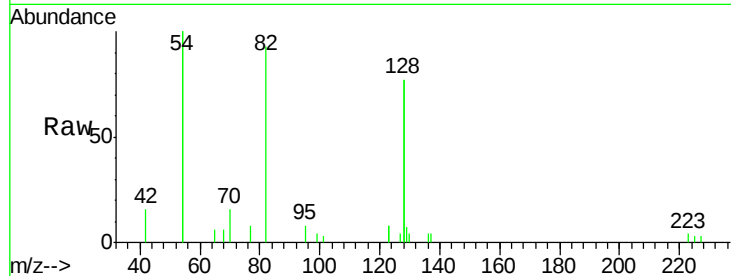




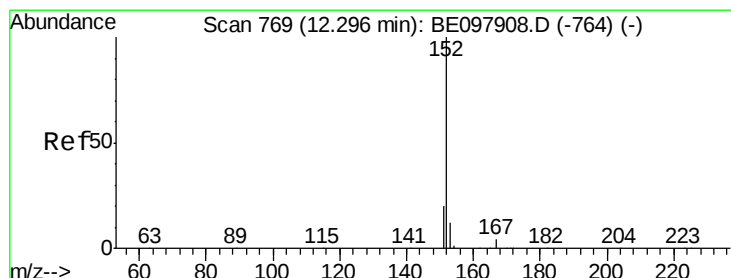
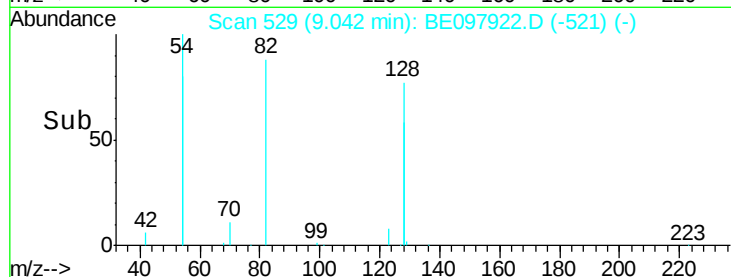
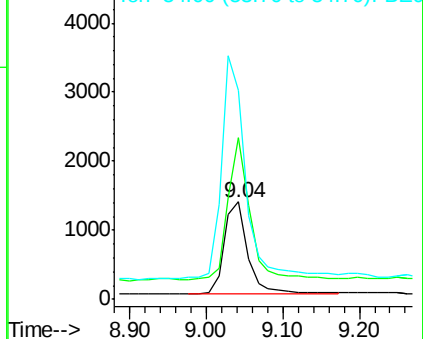
#8
 Nitrobenzene-d5
 Concen: 0.393 ng
 RT: 9.04 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: BE097922.D
 Acq: 16 Oct 2018 22:33

Instrument :
 BNA_E
 ClientSampleId :
 RE-137-745FT-2018109

Tgt Ion: 82 Resp: 2892
 Ion Ratio Lower Upper
 82 100
 128 166.4 129.9 194.9
 54 215.4 174.0 261.0

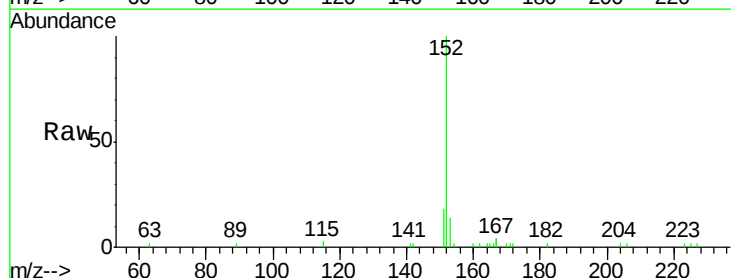


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

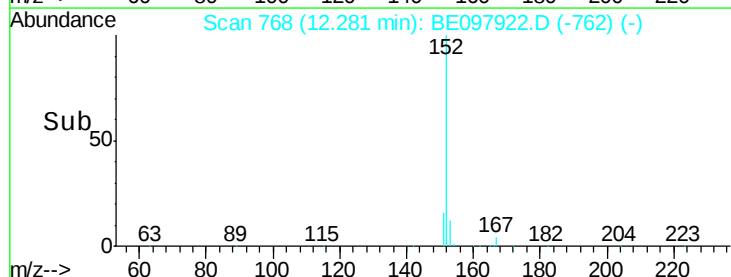
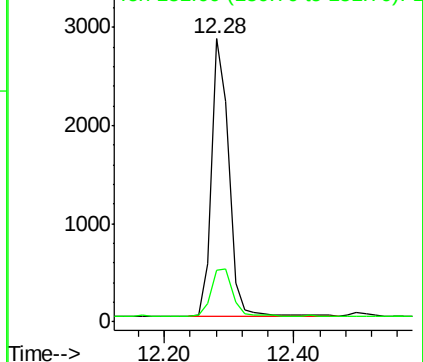


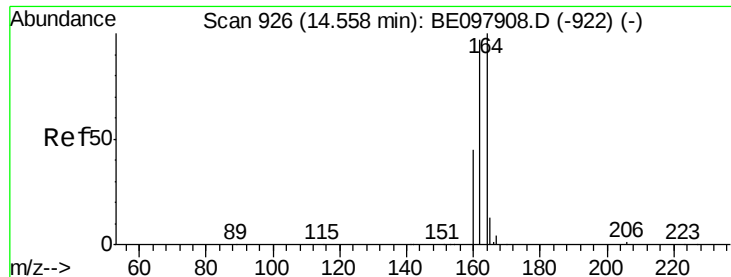
#11
 2-Methylnaphthalene-d10
 Concen: 0.415 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BE097922.D
 Acq: 16 Oct 2018 22:33

Tgt Ion: 152 Resp: 5372
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

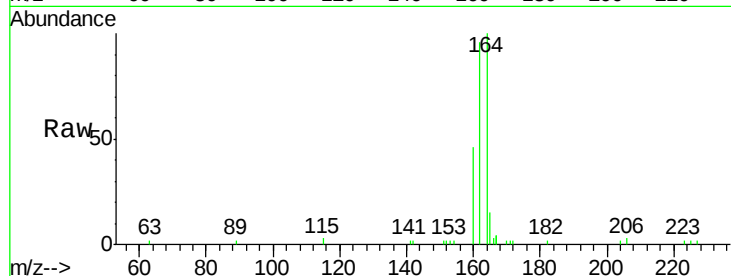




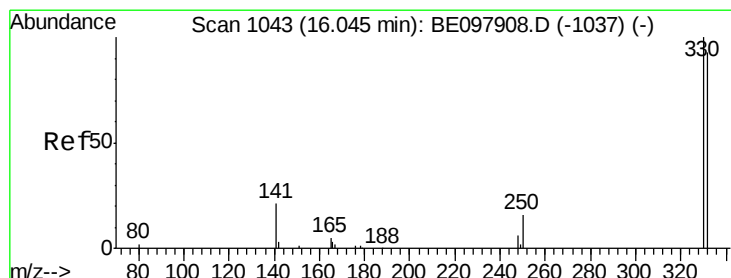
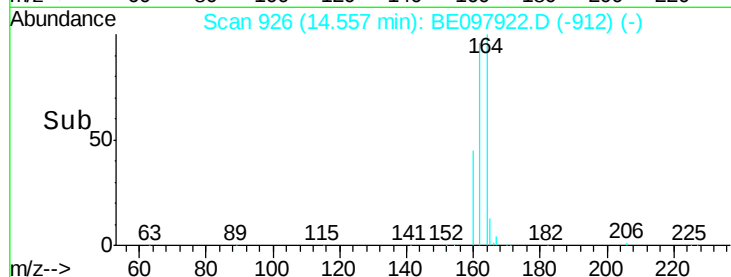
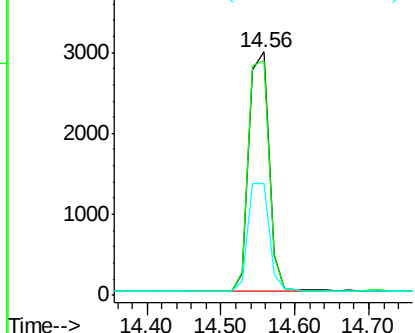
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097922.D
Acq: 16 Oct 2018 22:33

Instrument :
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ClientSampleId :
RE-137-745FT-2018109

Tgt Ion:164 Resp: 5582
Ion Ratio Lower Upper
164 100
162 96.4 77.4 116.2
160 46.2 36.5 54.7

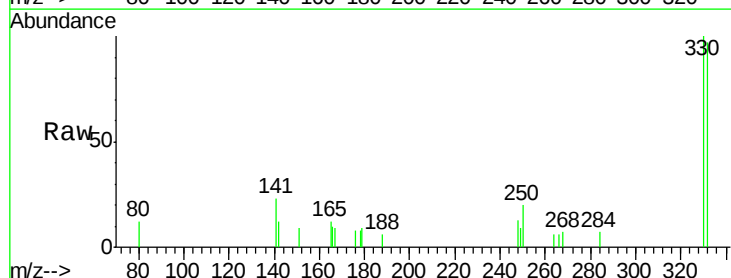


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

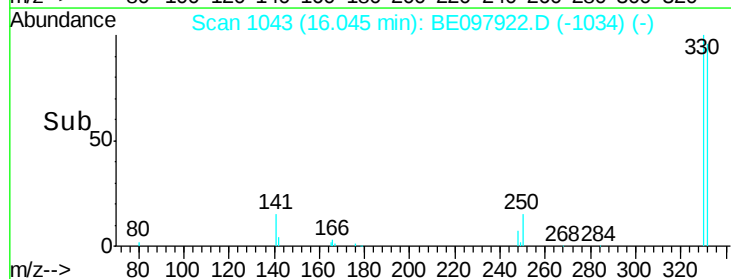
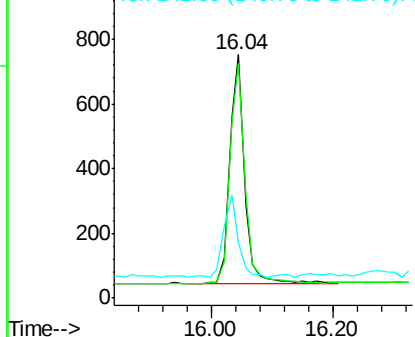


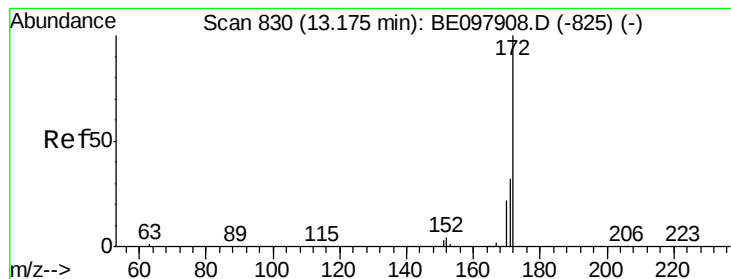
#14
2,4,6-Tribromophenol
Concen: 0.395 ng
RT: 16.04 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE097922.D
Acq: 16 Oct 2018 22:33

Tgt Ion:330 Resp: 1187
Ion Ratio Lower Upper
330 100
332 99.2 76.5 114.7
141 34.2 31.8 47.6



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

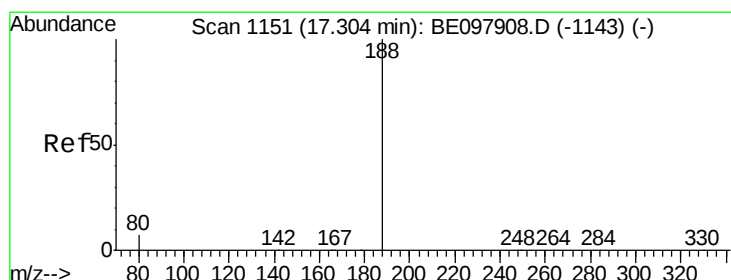
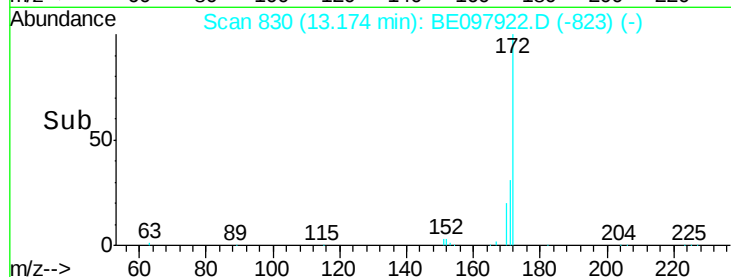
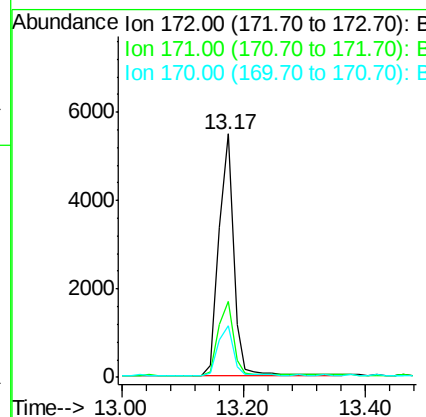
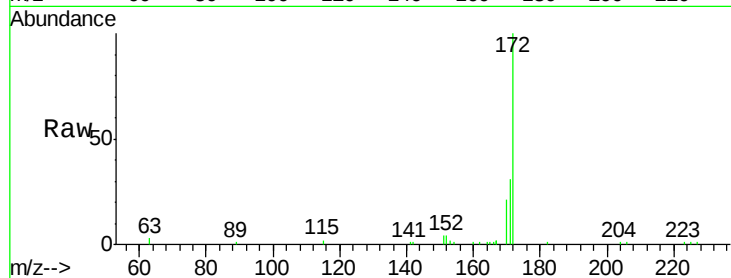




#15
 2-Fluorobiphenyl
 Concen: 0.402 ng
 RT: 13.17 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BE097922.D
 Acq: 16 Oct 2018 22:33

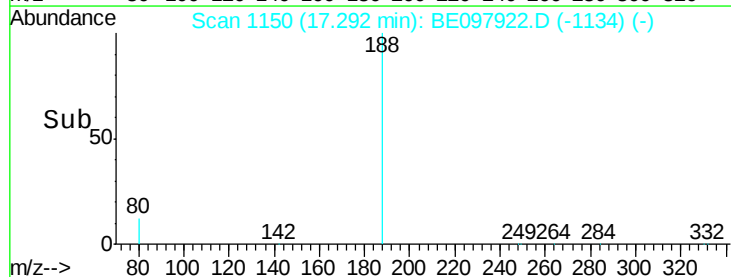
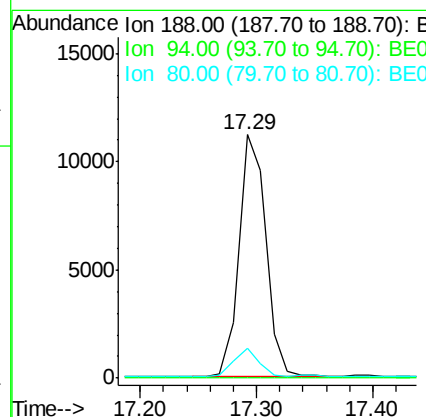
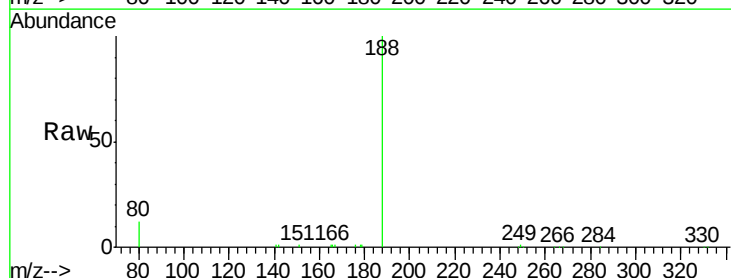
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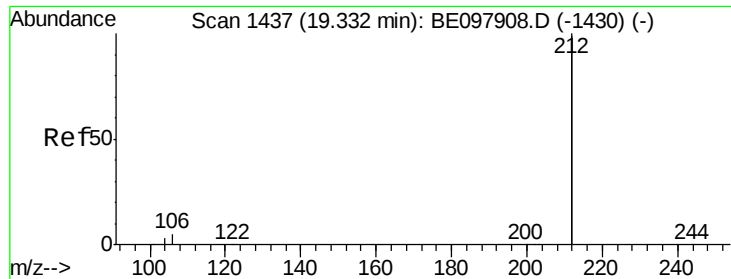
Tgt Ion:172 Resp: 9165
 Ion Ratio Lower Upper
 172 100
 171 31.3 26.0 39.0
 170 21.1 18.0 27.0



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.29 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BE097922.D
 Acq: 16 Oct 2018 22:33

Tgt Ion:188 Resp: 18128
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 12.4 6.3 9.5#





#25

Fluoranthene-d10

Concen: 0.471 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

Instrument :

BNA_E

ClientSampleId :

RE-137-745FT-2018109

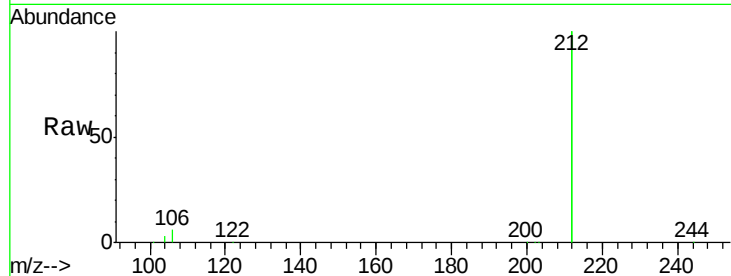
Tgt Ion:212 Resp: 115740

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

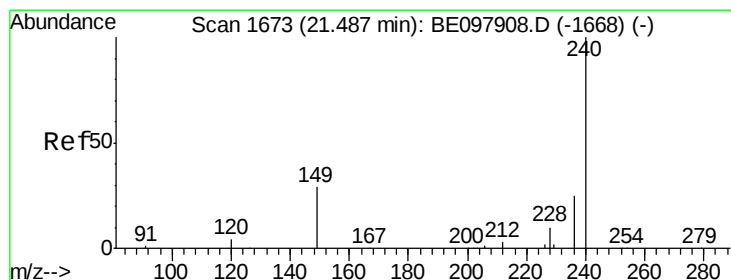
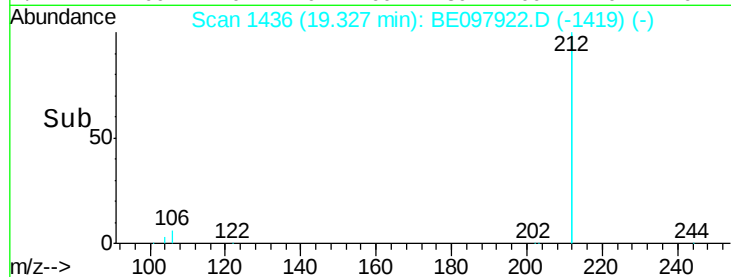
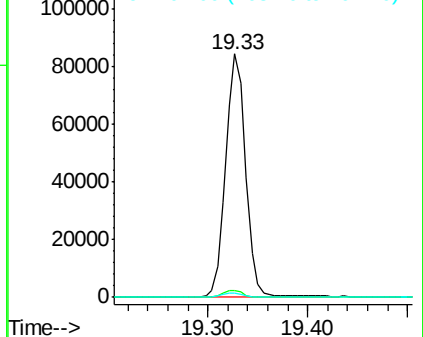
104 1.6 1.3 1.9



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: 21.49 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

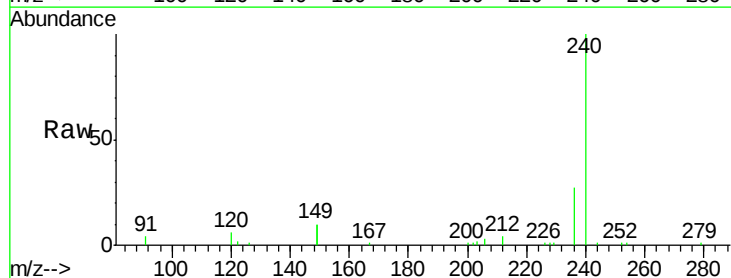
Tgt Ion:240 Resp: 27570

Ion Ratio Lower Upper

240 100

120 6.0 7.1 10.7#

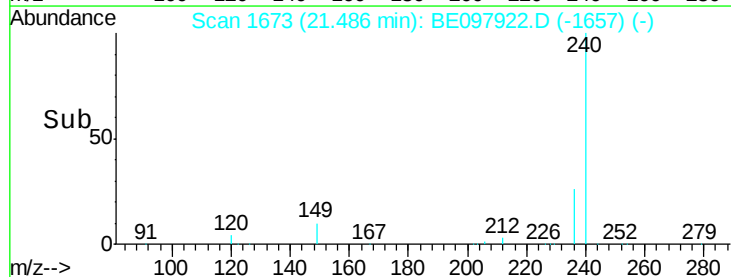
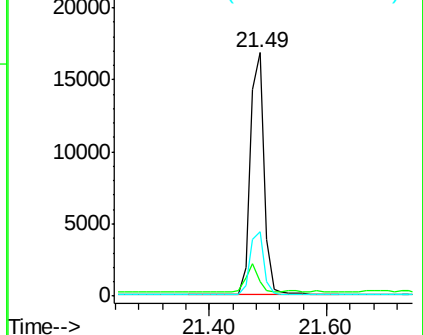
236 26.5 21.3 31.9

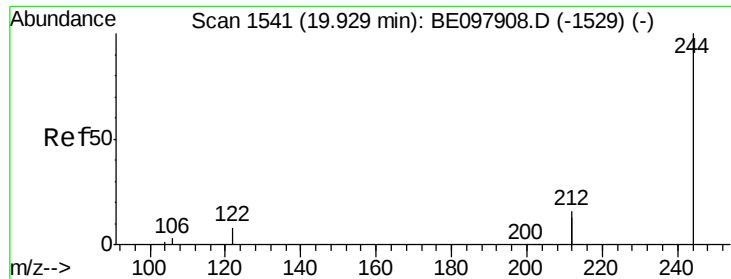


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.585 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

Instrument :

BNA_E

ClientSampleId :

RE-137-745FT-2018109

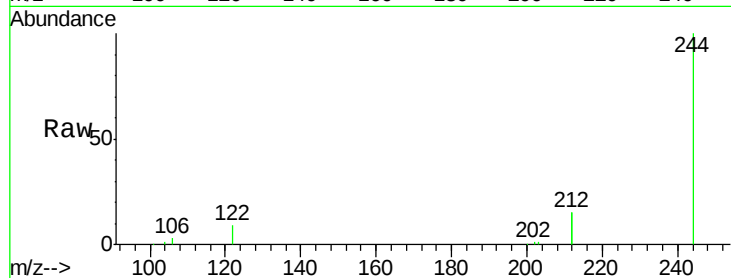
Tgt Ion:244 Resp: 36936

Ion Ratio Lower Upper

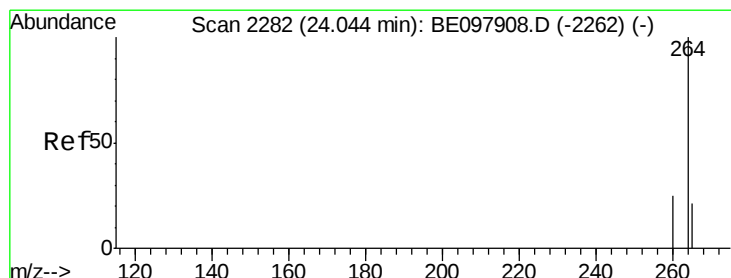
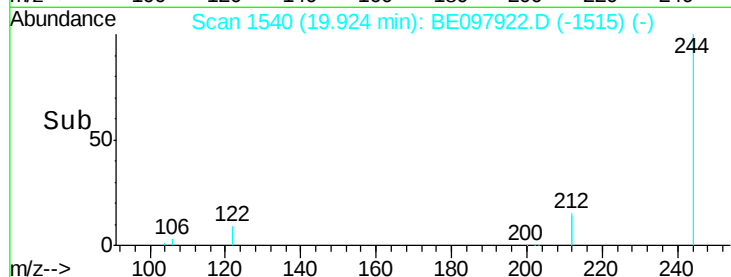
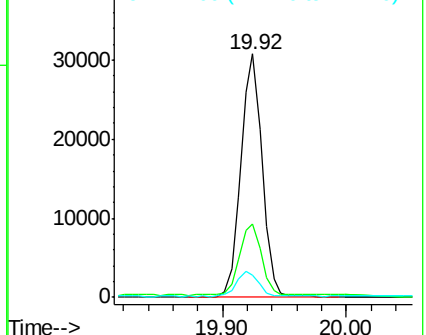
244 100

212 30.0 26.2 39.2

122 8.9 7.7 11.5



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

Perylene-d12

Concen: 0.400 ng

RT: 24.04 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE097922.D

Acq: 16 Oct 2018 22:33

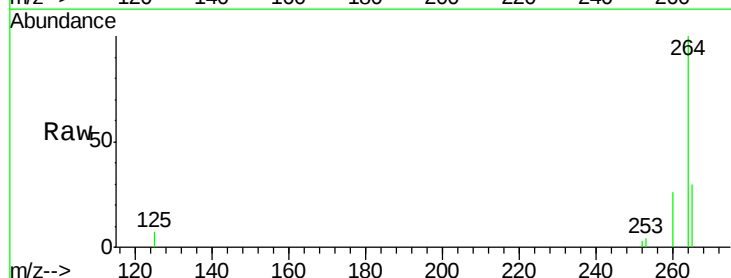
Tgt Ion:264 Resp: 15658

Ion Ratio Lower Upper

264 100

260 26.2 21.1 31.7

265 30.4 29.2 43.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

