

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
 Data File : BE097945.D
 Acq On : 17 Oct 2018 13:22
 Operator : SJ/JU
 Sample : J5317-07DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-122D2-IMP-20181004DL

Quant Time: Oct 17 17:20:16 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

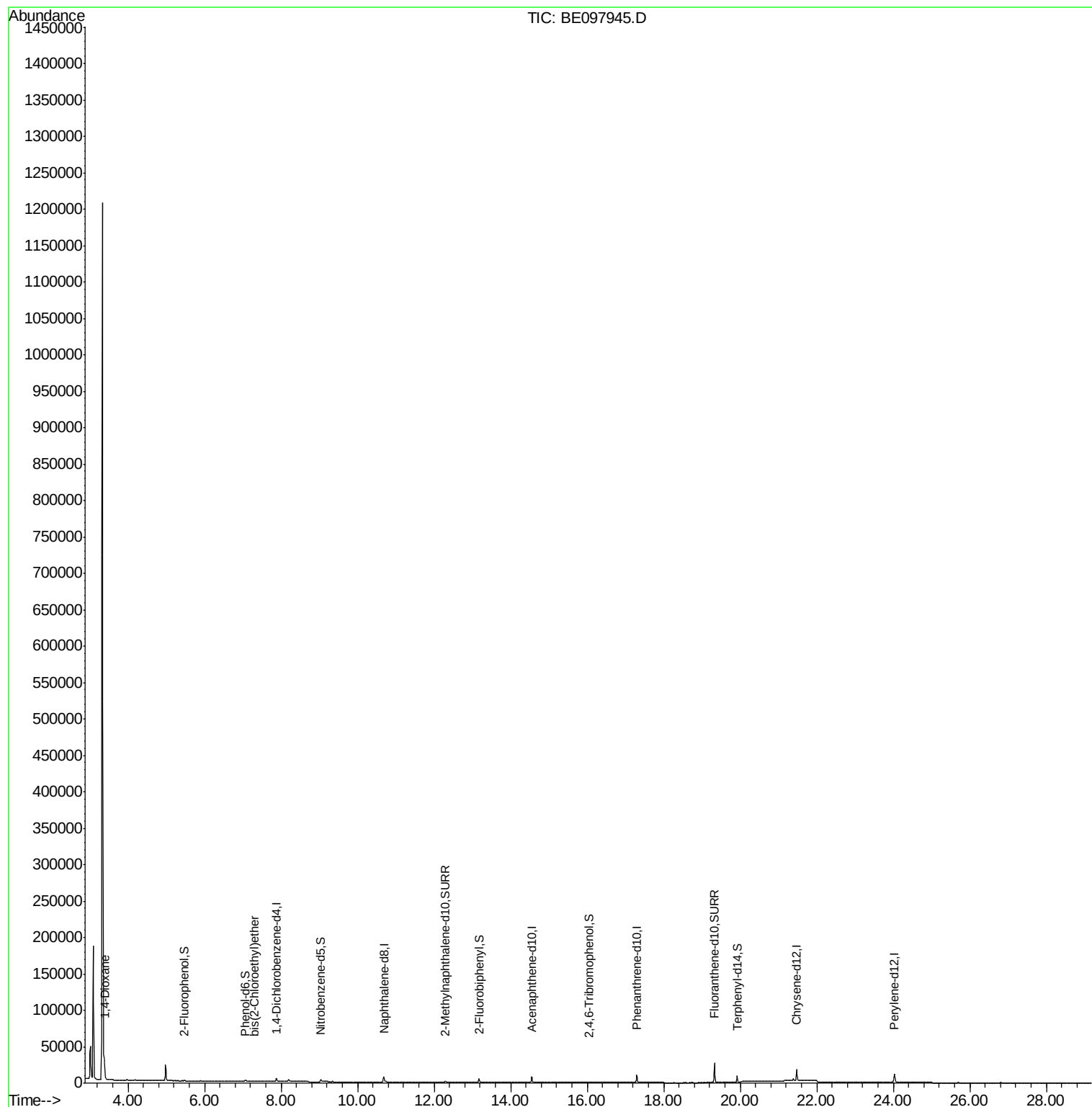
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1923	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8337	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	5375	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	15062	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	16084	0.40	ng	-0.01
34) Perylene-d12	24.03	264	16785	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	565	0.09	ng	0.00
5) Phenol-d6	7.06	99	510	0.06	ng	0.00
8) Nitrobenzene-d5	9.04	82	1419	0.18	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	2543	0.18	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	342	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	5088	0.23	ng	0.00
25) Fluoranthene-d10	19.33	212	35672	0.17	ng	0.00
29) Terphenyl-d14	19.92	244	9076	0.25	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.38	88	8377	2.498	ng	Qvalue 96
6) bis(2-Chloroethyl)ether	7.30	93	153	0.020	ng	# 84

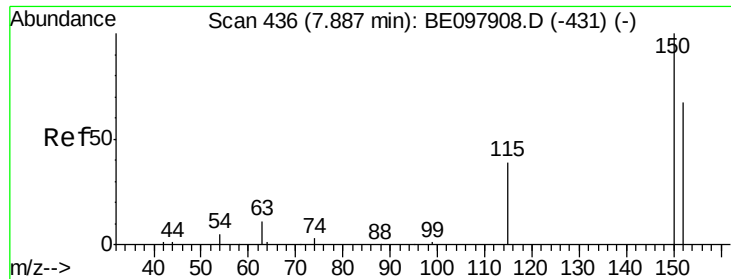
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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BNA_E

ClientSampleId :

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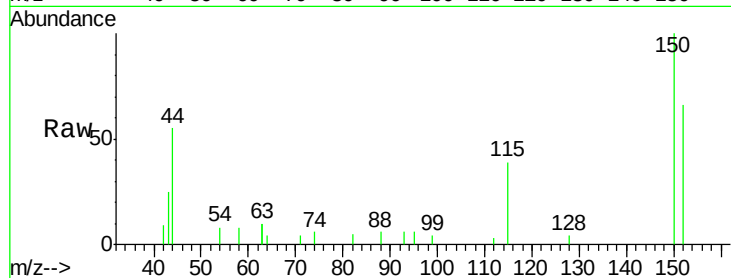
Tgt Ion:152 Resp: 1923

Ion Ratio Lower Upper

152 100

150 152.3 118.2 177.4

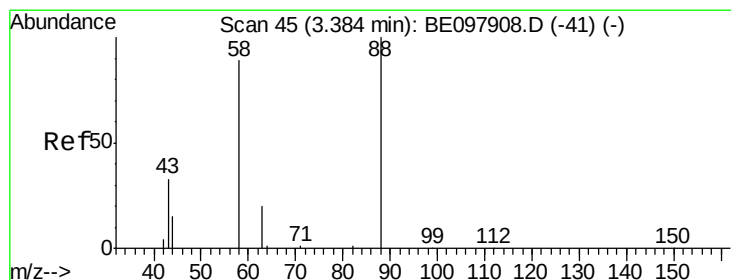
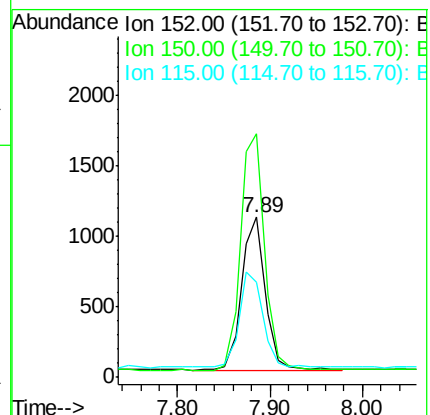
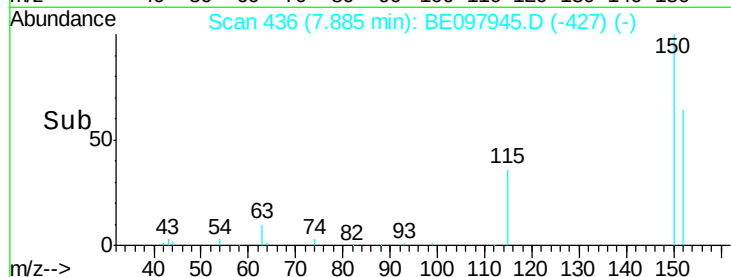
115 59.8 50.9 76.3



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: 2.498 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

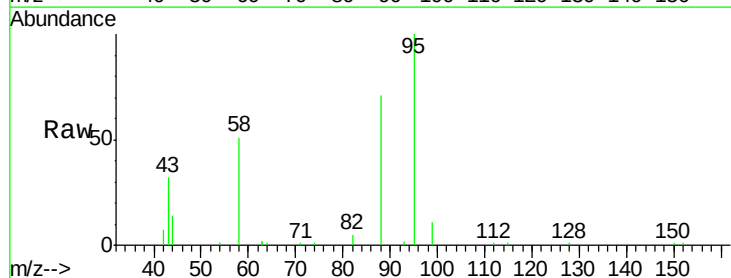
Tgt Ion: 88 Resp: 8377

Ion Ratio Lower Upper

88 100

58 86.6 73.2 109.8

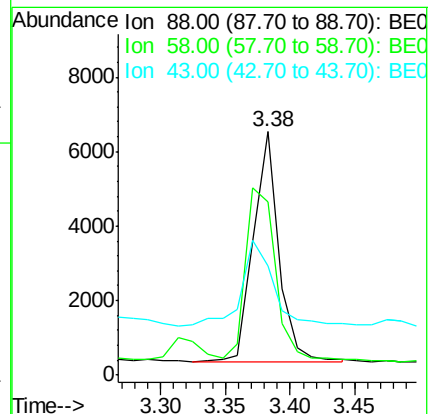
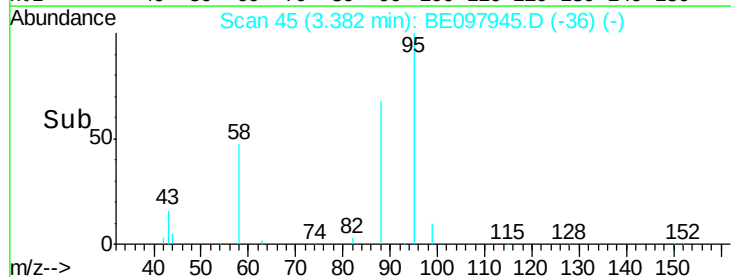
43 46.6 36.9 55.3

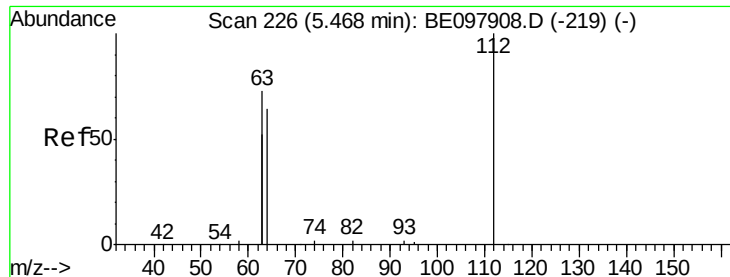


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.093 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

Instrument :

BNA_E

ClientSampleId :

RE-122D2-IMP-20181004DL

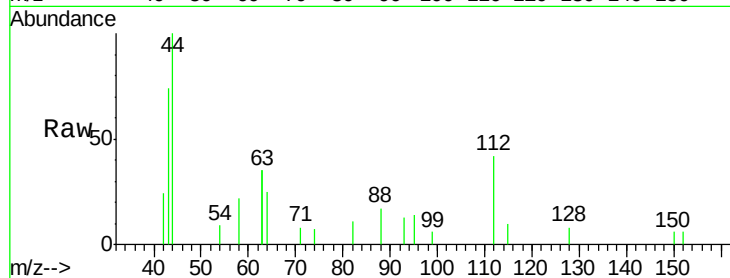
Tgt Ion: 112 Resp: 565

Ion Ratio Lower Upper

112 100

64 70.3 58.9 88.3

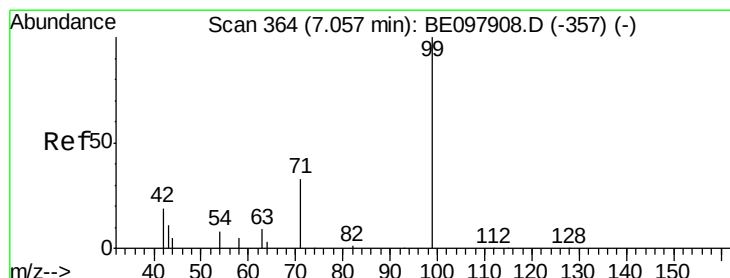
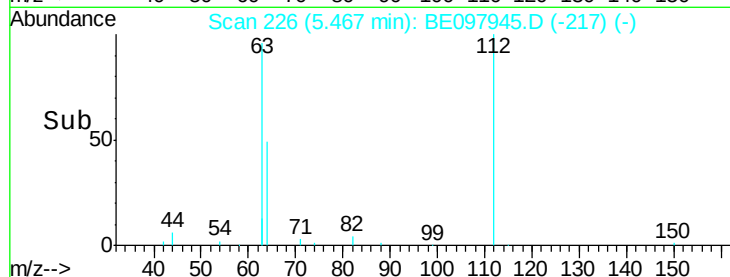
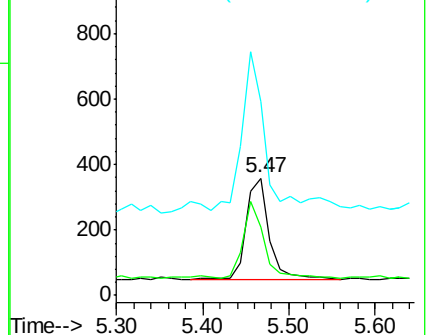
63 151.0 120.3 180.5



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: 0.057 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

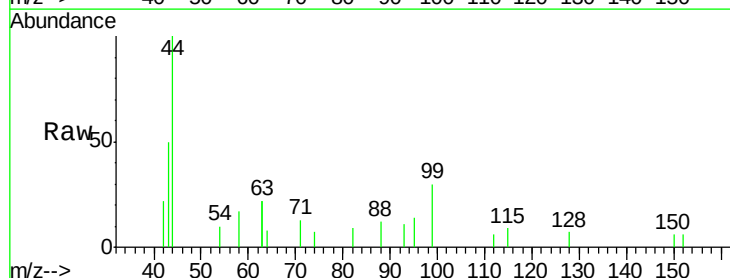
Tgt Ion: 99 Resp: 510

Ion Ratio Lower Upper

99 100

42 44.9 19.9 29.9#

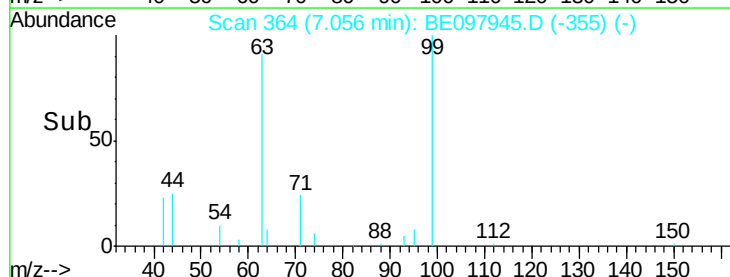
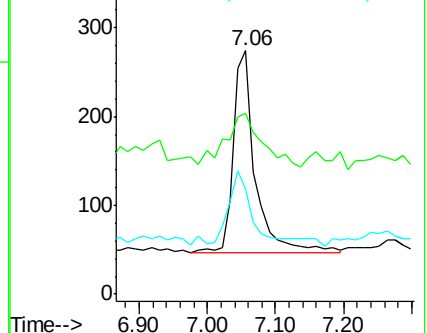
71 44.9 27.8 41.8#

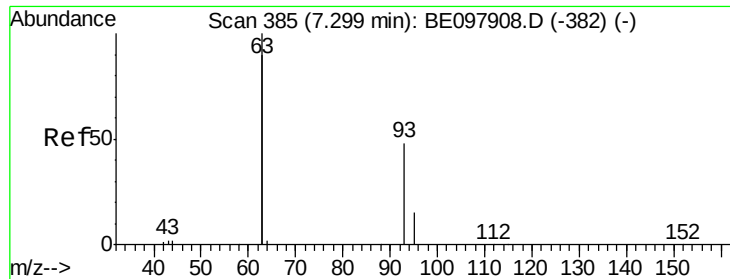


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.020 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

Instrument :

BNA_E

ClientSampleId :

RE-122D2-IMP-20181004DL

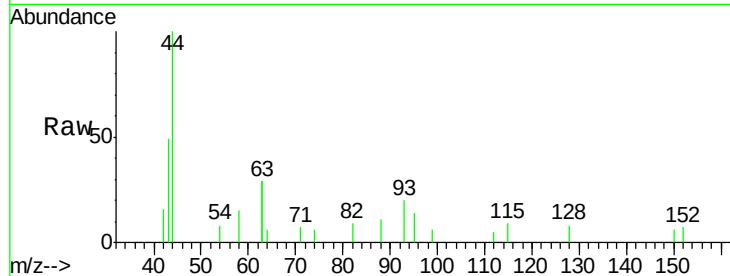
Tgt Ion: 93 Resp: 153

Ion Ratio Lower Upper

93 100

63 351.6 259.0 388.4

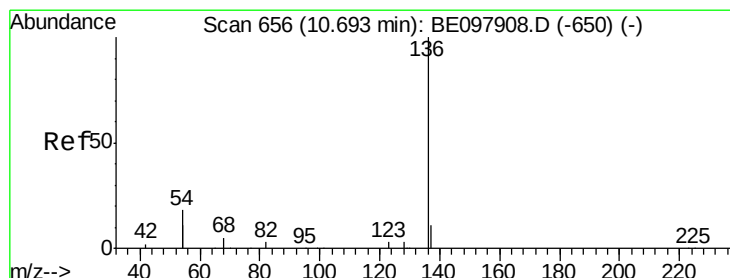
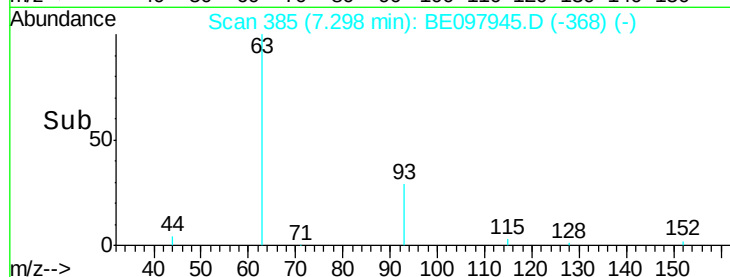
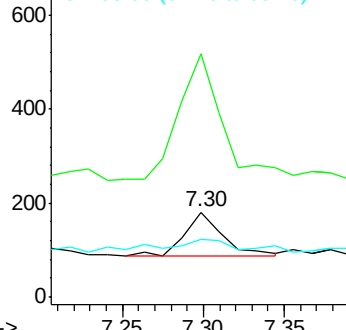
95 59.5 27.8 41.8#



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: BE097945.D

Acq: 17 Oct 2018 13:22

Tgt Ion: 136 Resp: 8337

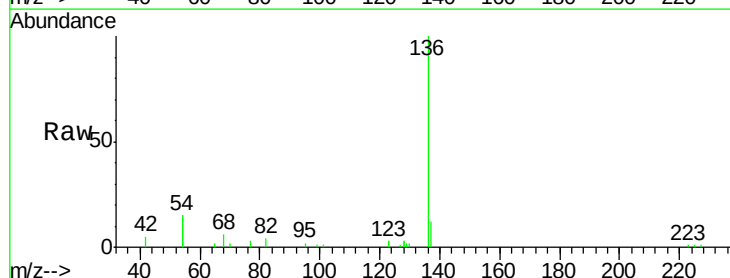
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 30.4 27.7 41.5

68 5.9 5.3 7.9

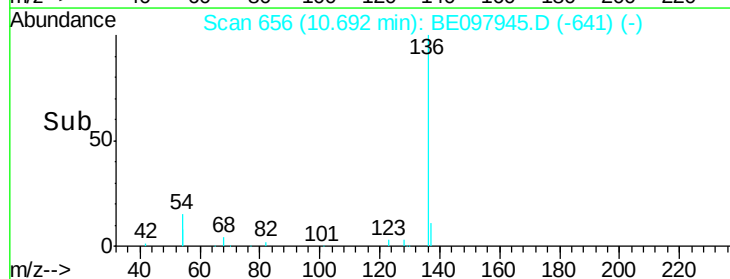
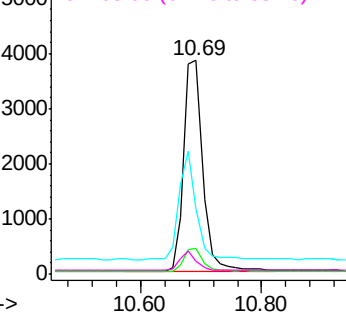


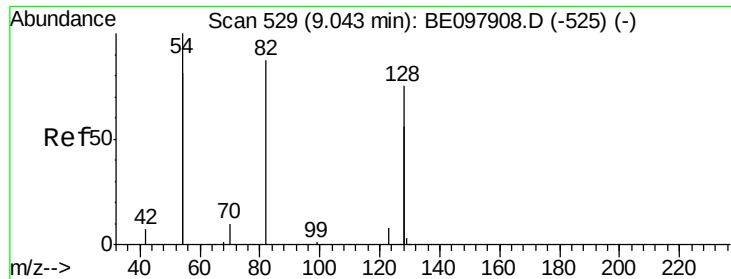
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.180 ng

RT: 9.04 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

Instrument :

BNA_E

ClientSampleId :

RE-122D2-IMP-20181004DL

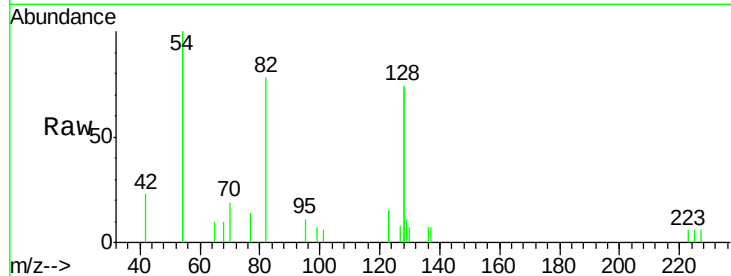
Tgt Ion: 82 Resp: 1419

Ion Ratio Lower Upper

82 100

128 187.6 129.9 194.9

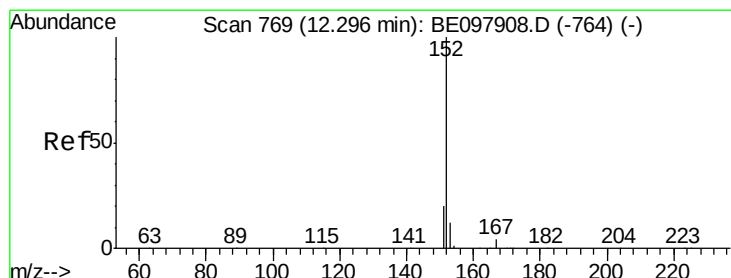
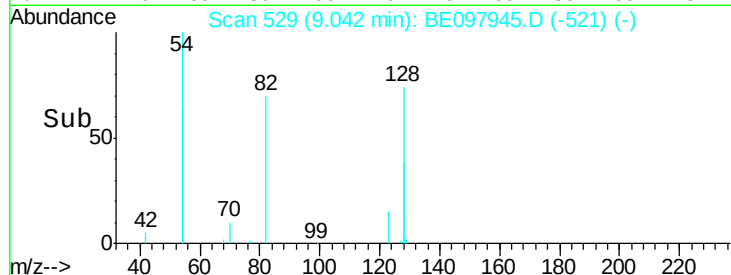
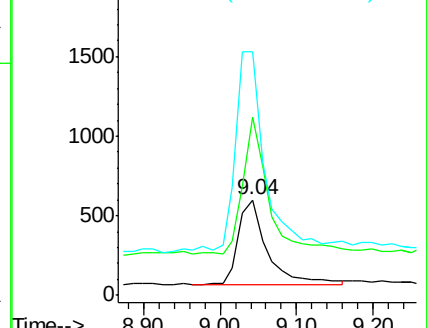
54 255.1 174.0 261.0



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: 0.183 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097945.D

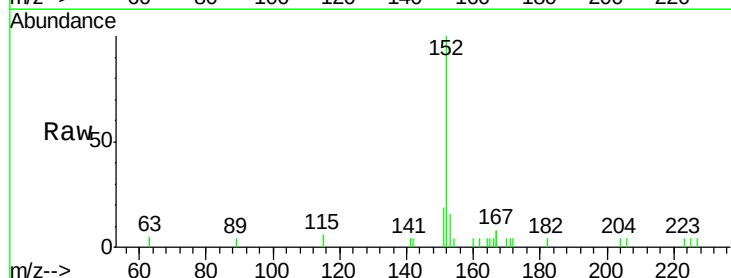
Acq: 17 Oct 2018 13:22

Tgt Ion: 152 Resp: 2543

Ion Ratio Lower Upper

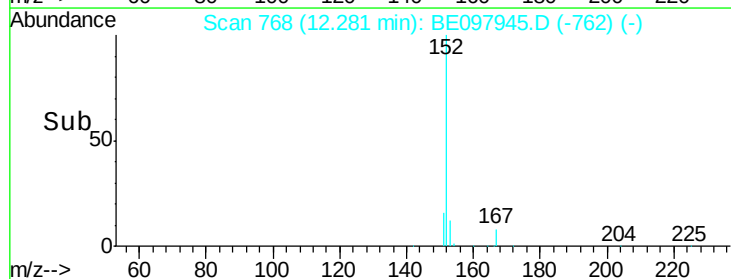
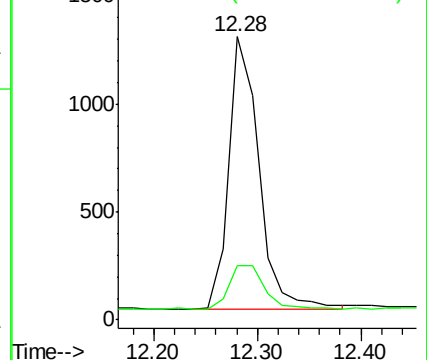
152 100

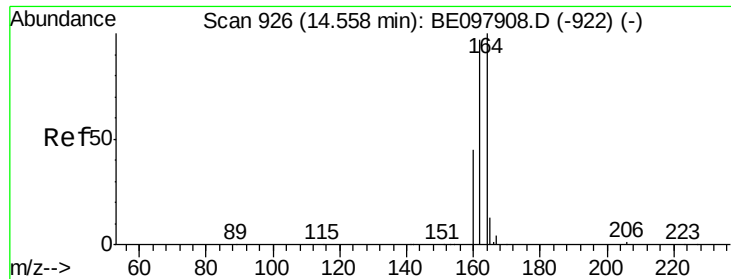
151 19.2 16.2 24.4



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: 14.54 min Scan# 925

Delta R.T. -0.02 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

Instrument :

BNA_E

ClientSampleId :

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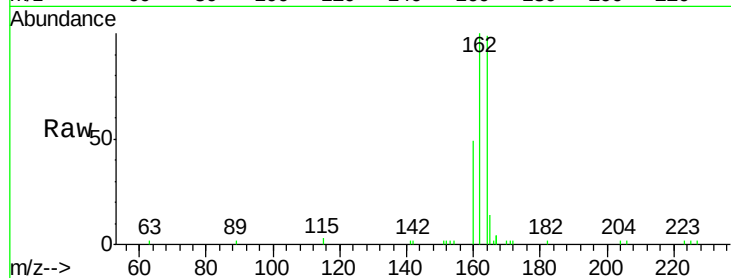
Tgt Ion:164 Resp: 5375

Ion Ratio Lower Upper

164 100

162 100.6 77.4 116.2

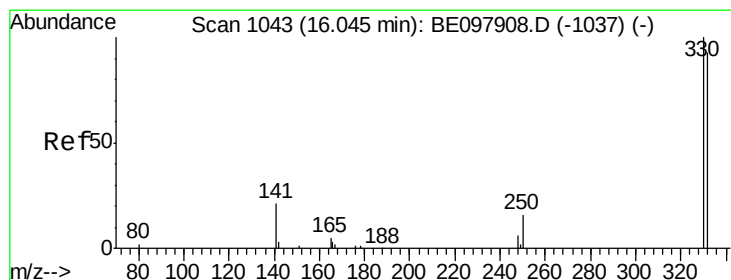
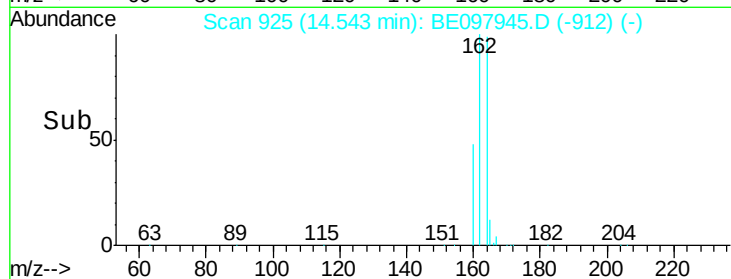
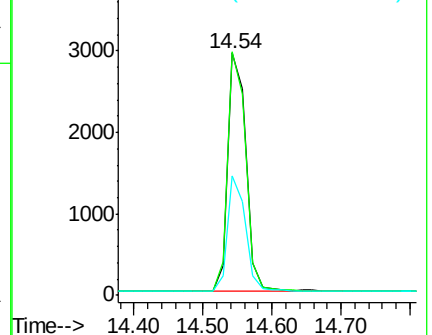
160 49.5 36.5 54.7



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: 0.118 ng

RT: 16.04 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

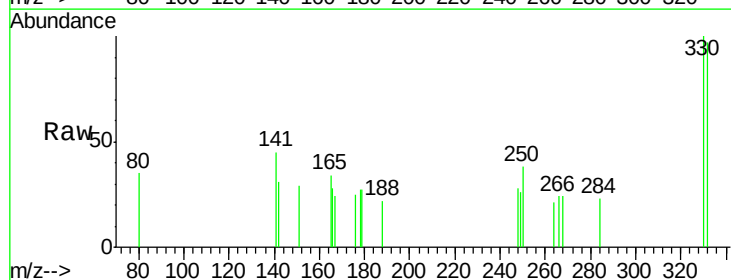
Tgt Ion:330 Resp: 342

Ion Ratio Lower Upper

330 100

332 103.8 76.5 114.7

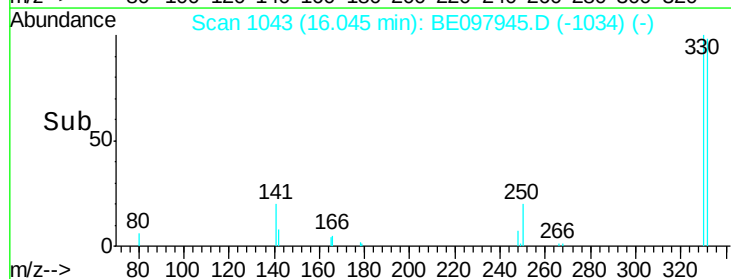
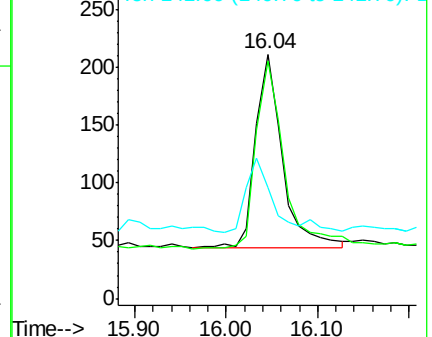
141 39.8 31.8 47.6

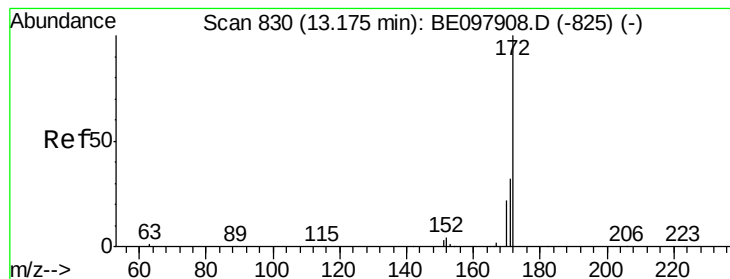


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

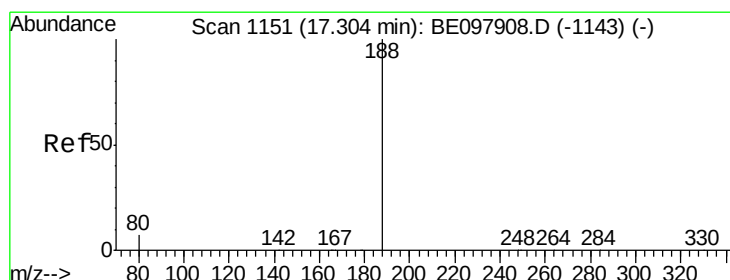
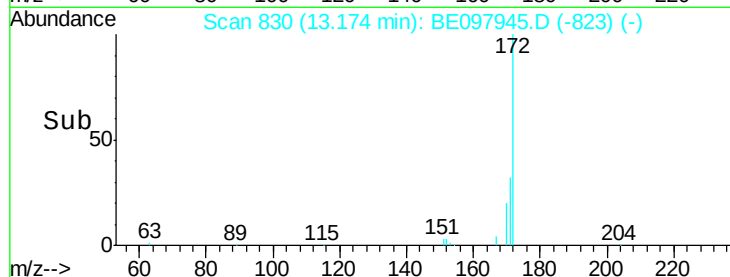
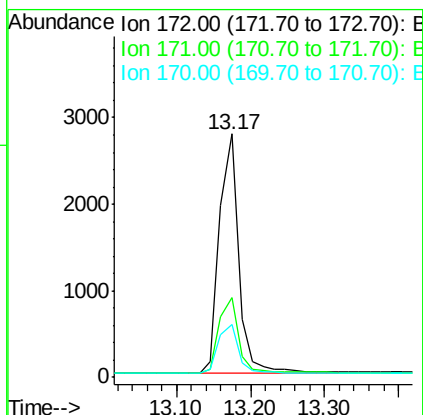
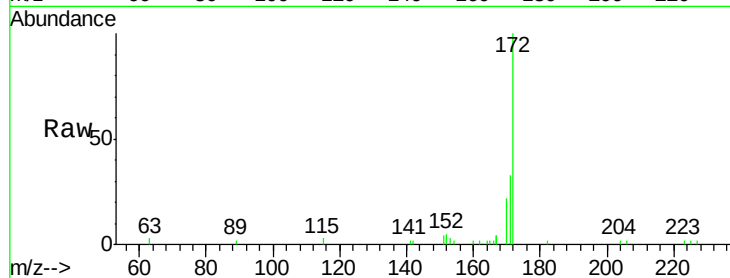




#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097945.D
Acq: 17 Oct 2018 13:22

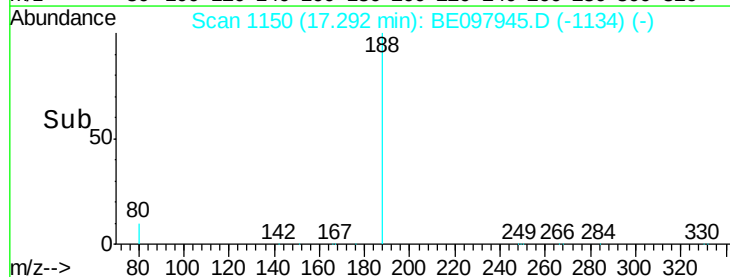
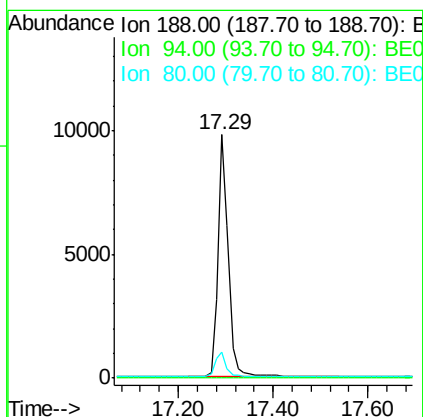
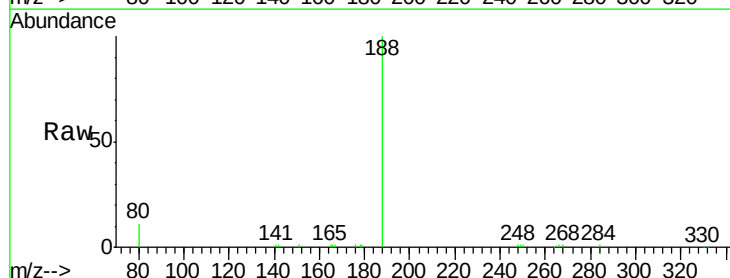
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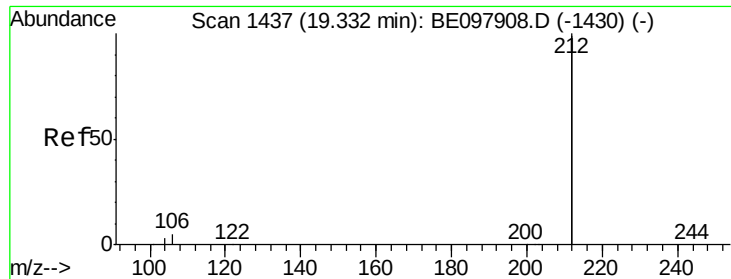
Tgt Ion:172 Resp: 5088
Ion Ratio Lower Upper
172 100
171 33.0 26.0 39.0
170 21.6 18.0 27.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BE097945.D
Acq: 17 Oct 2018 13:22

Tgt Ion:188 Resp: 15062
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 6.3 9.5#





#25

Fluoranthene-d10

Concen: 0.175 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

Instrument :

BNA_E

ClientSampleId :

RE-122D2-IMP-20181004DL

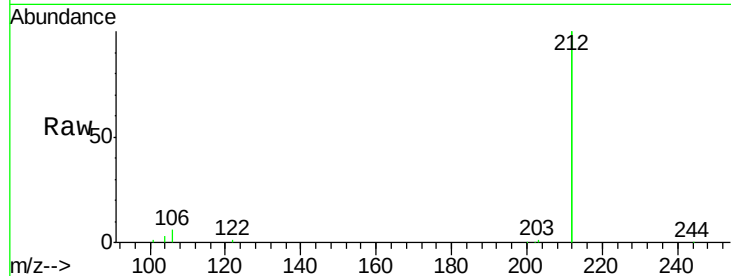
Tgt Ion:212 Resp: 35672

Ion Ratio Lower Upper

212 100

106 3.0 2.3 3.5

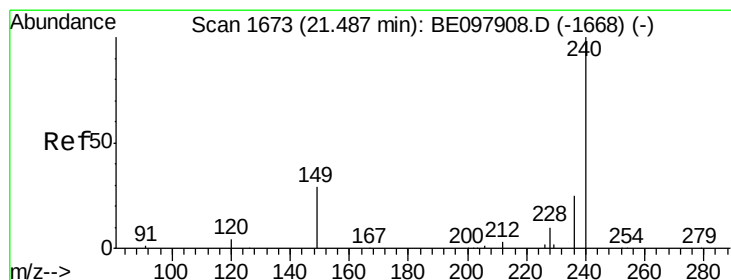
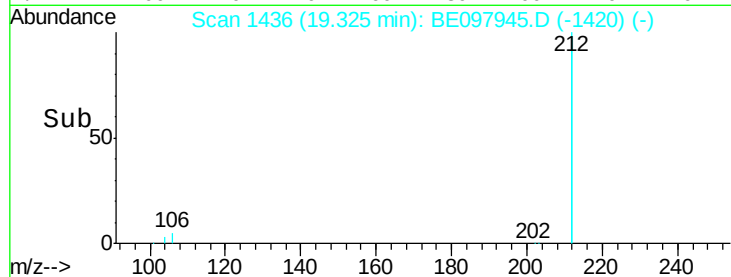
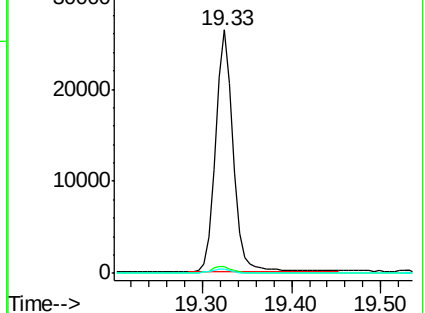
104 1.7 1.3 1.9



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: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

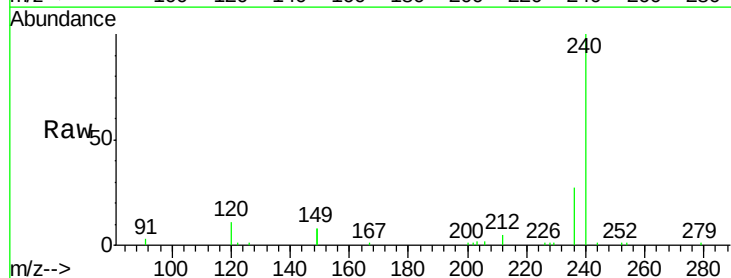
Tgt Ion:240 Resp: 16084

Ion Ratio Lower Upper

240 100

120 10.9 7.1 10.7#

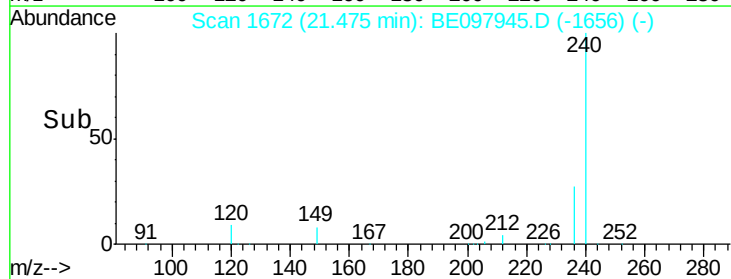
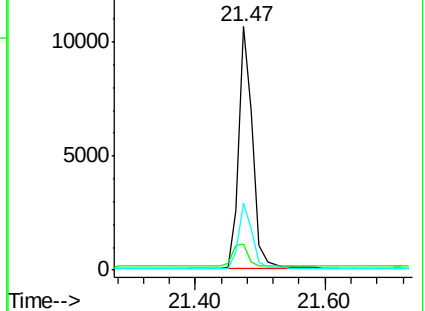
236 27.4 21.3 31.9

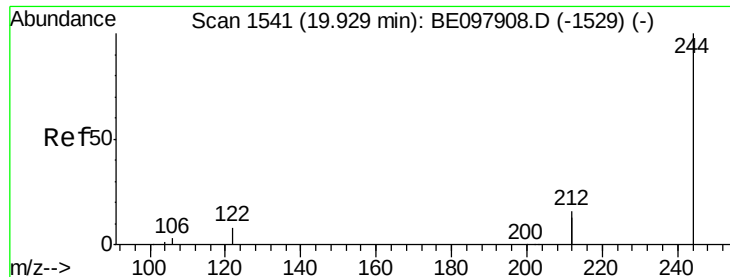


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.246 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

Instrument :

BNA_E

ClientSampleId :

RE-122D2-IMP-20181004DL

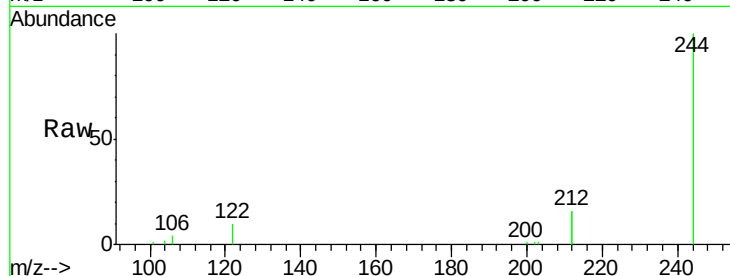
Tgt Ion:244 Resp: 9076

Ion Ratio Lower Upper

244 100

212 31.2 26.2 39.2

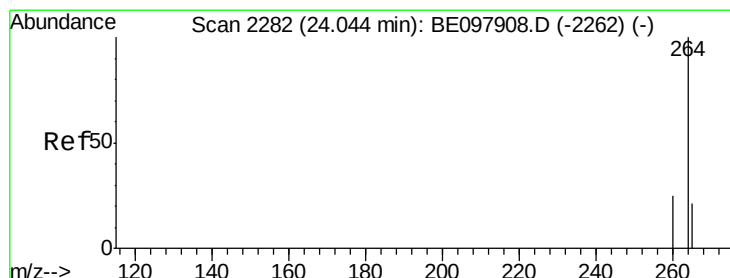
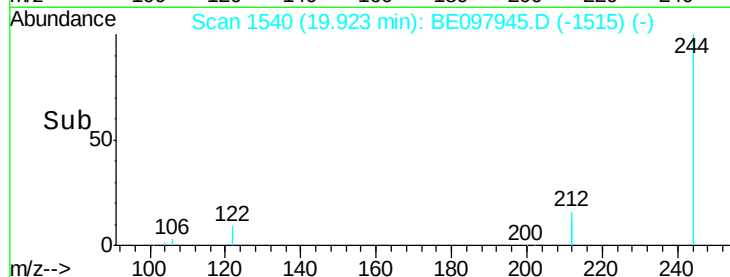
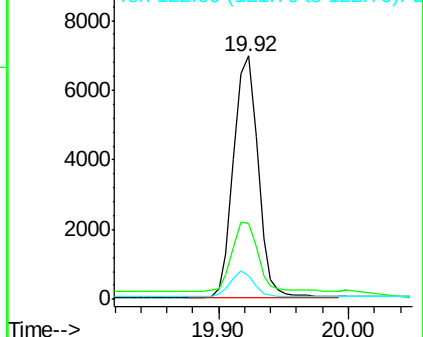
122 9.8 7.7 11.5



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: 24.03 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BE097945.D

Acq: 17 Oct 2018 13:22

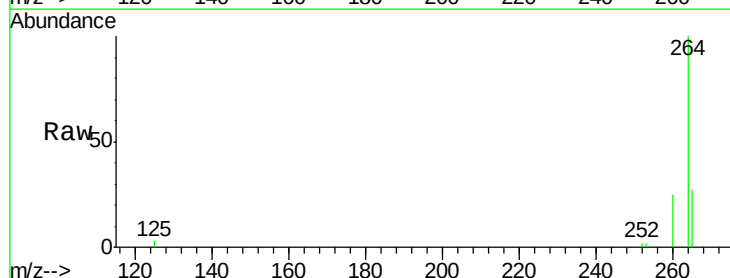
Tgt Ion:264 Resp: 16785

Ion Ratio Lower Upper

264 100

260 25.3 21.1 31.7

265 26.6 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

