

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101718\
 Data File : BE097954.D
 Acq On : 17 Oct 2018 19:32
 Operator : SJ/JU
 Sample : J5317-12DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TT-DUP04-20181004DL

Quant Time: Oct 18 10:46:13 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

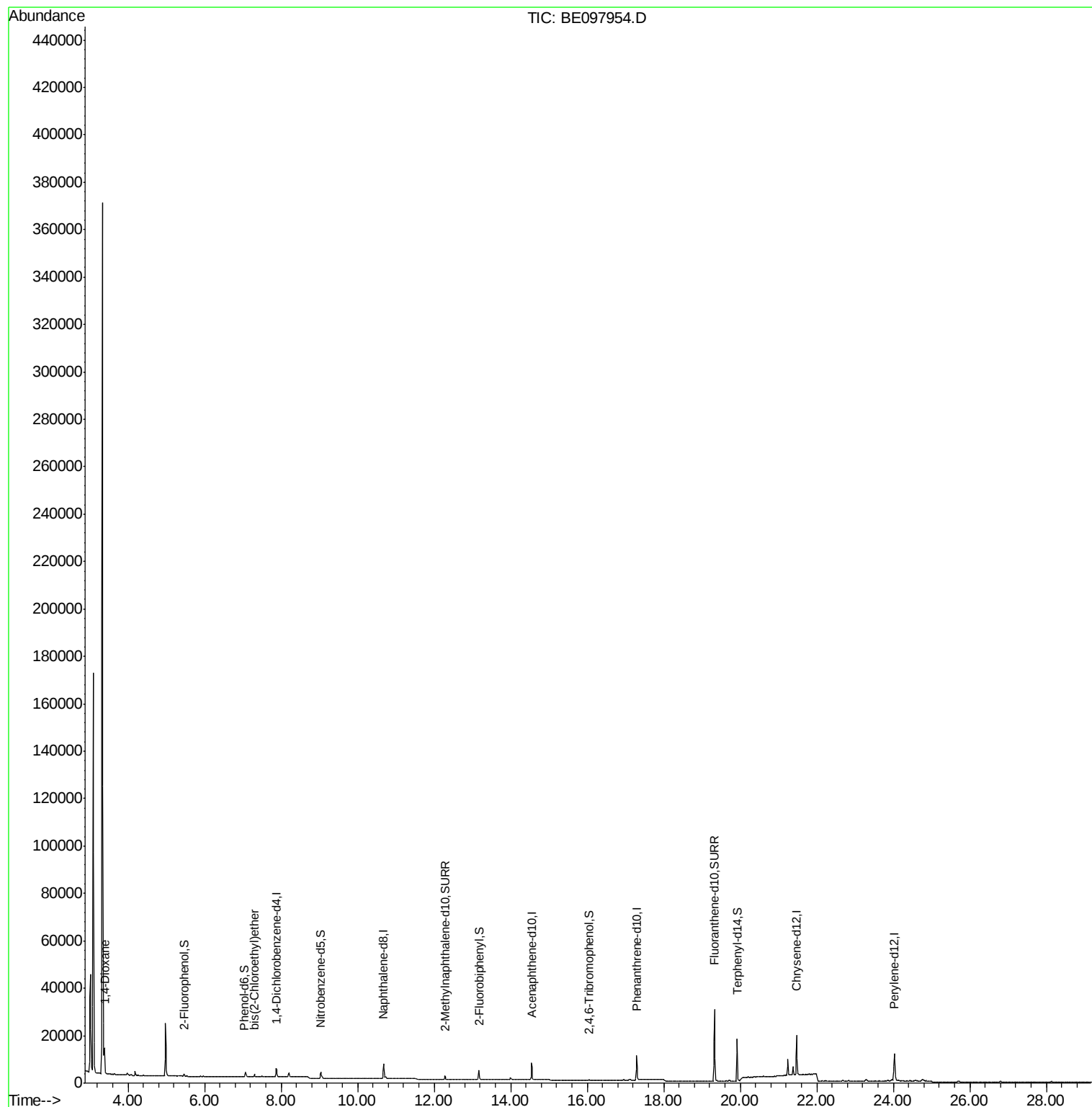
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1826	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	7501	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	4711	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	13668	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	17122	0.40	ng	-0.01
34) Perylene-d12	24.03	264	17406	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	511	0.09	ng	0.00
5) Phenol-d6	7.04	99	461	0.05	ng	-0.01
8) Nitrobenzene-d5	9.04	82	1510	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	2565	0.21	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	441	0.17	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	4753	0.25	ng	0.00
25) Fluoranthene-d10	19.33	212	39966	0.22	ng	0.00
29) Terphenyl-d14	19.92	244	15159	0.39	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	5949	1.869	ng	93
6) bis(2-Chloroethyl)ether	7.30	93	446	0.062	ng	92

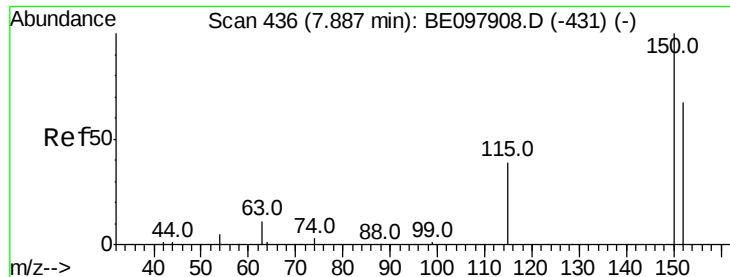
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101718\
Data File : BE097954.D
Acq On : 17 Oct 2018 19:32
Operator : SJ/JU
Sample : J5317-12DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
TT-DUP04-20181004DL

Quant Time: Oct 18 10:46:13 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



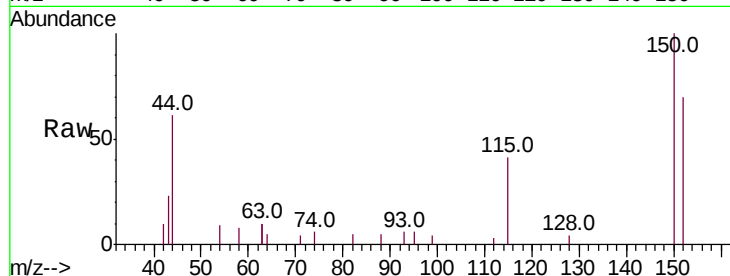


#1

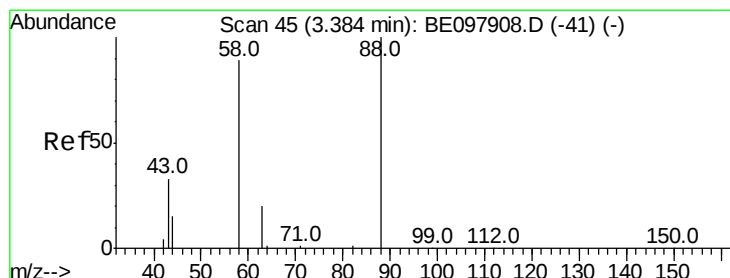
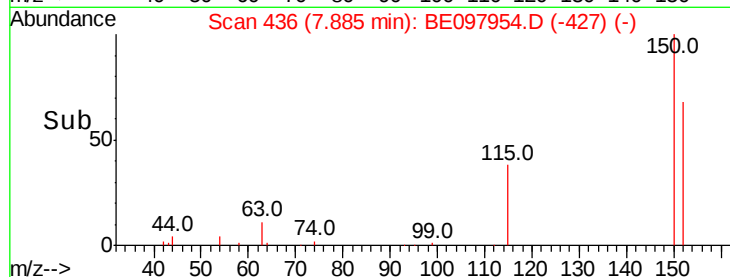
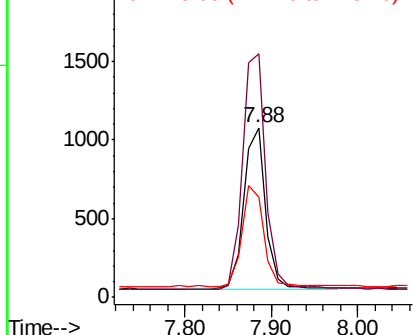
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 436
Delta R.T. -0.00 min
Lab File: BE097954.D
Acq: 17 Oct 2018 19:32

Instrument :
BNA_E
ClientSampleId :
TT-DUP04-20181004DL

Tot Ion:152 Resp: 1826
Ion Ratio Lower Upper
152 100
150 143.5 118.2 177.4
115 59.0 50.9 76.3



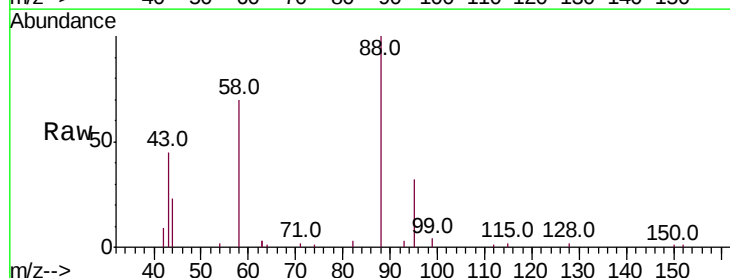
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



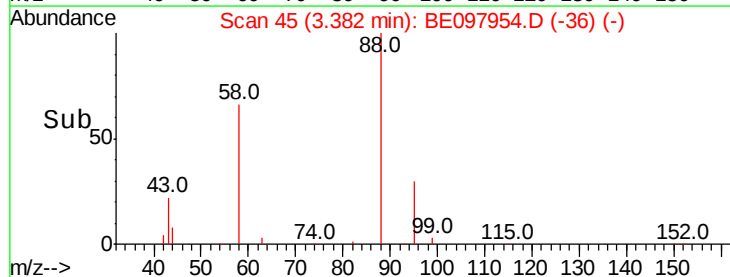
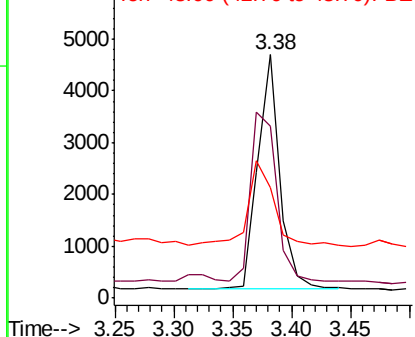
#2

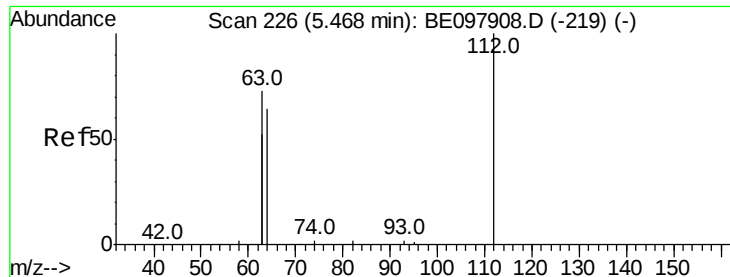
1,4-Dioxane
Concen: 1.869 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097954.D
Acq: 17 Oct 2018 19:32

Tgt Ion: 88 Resp: 5949
Ion Ratio Lower Upper
88 100
58 84.2 73.2 109.8
43 41.8 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: 0.089 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004DL

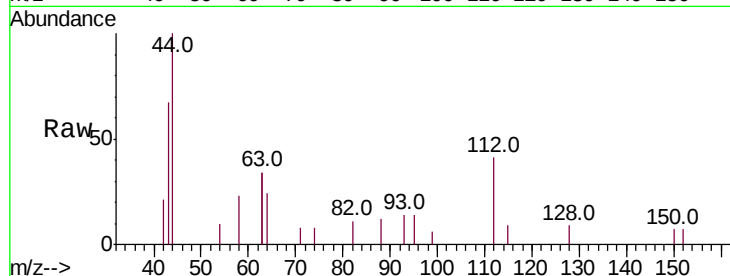
Tot Ion:112 Resp: 511

Ion Ratio Lower Upper

112 100

64 71.2 58.9 88.3

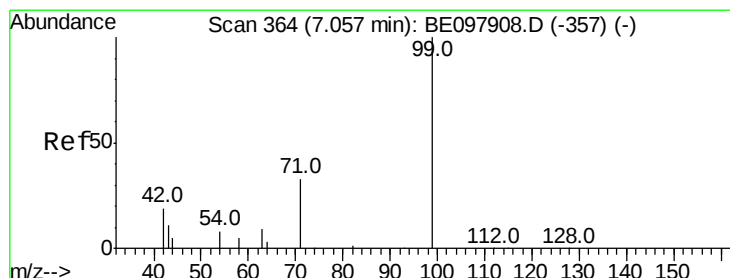
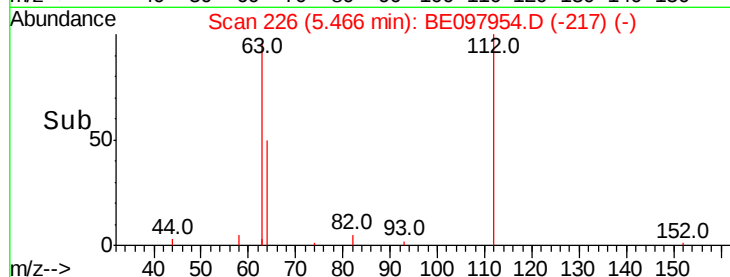
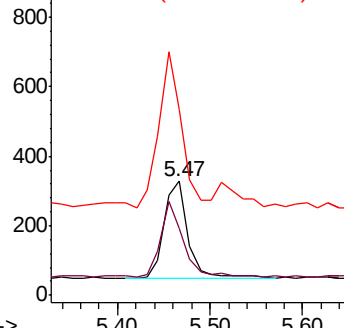
63 152.1 120.3 180.5



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: 0.054 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

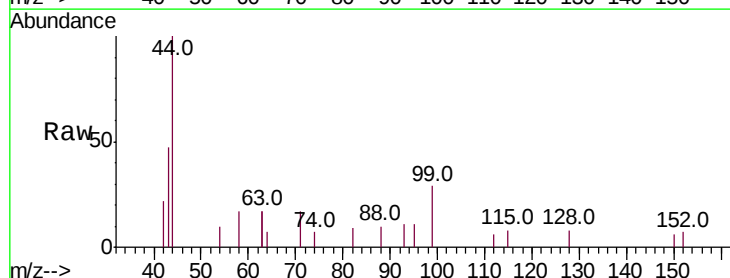
Tgt Ion: 99 Resp: 461

Ion Ratio Lower Upper

99 100

42 0.0 19.9 29.9#

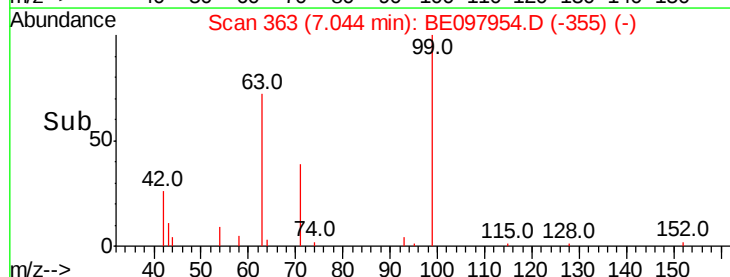
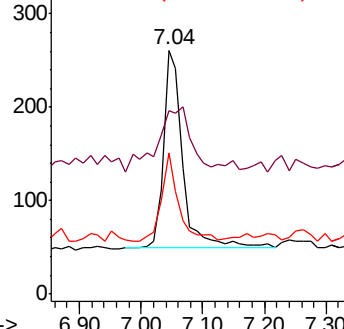
71 40.6 27.8 41.8

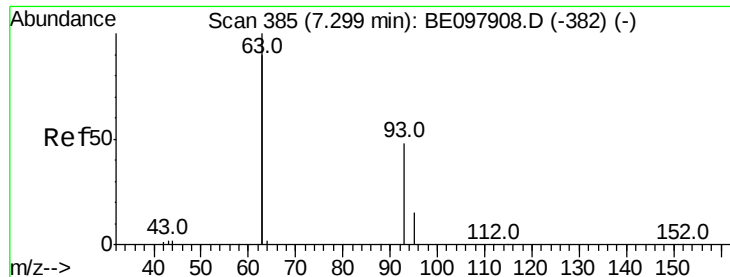


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.062 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004DL

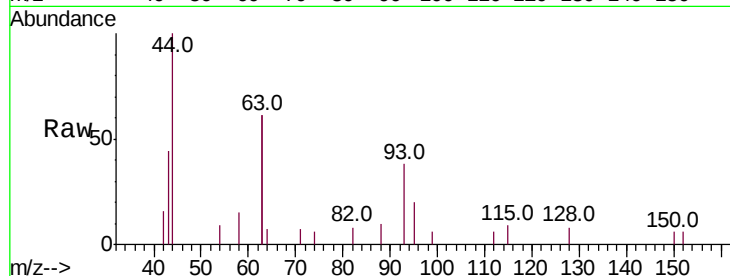
Tot Ion: 93 Resp: 446

Ion Ratio Lower Upper

93 100

63 306.5 259.0 388.4

95 35.9 27.8 41.8

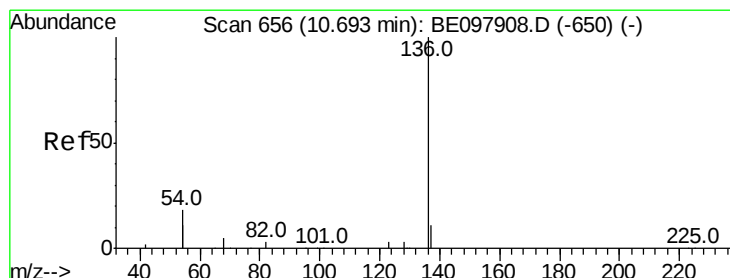
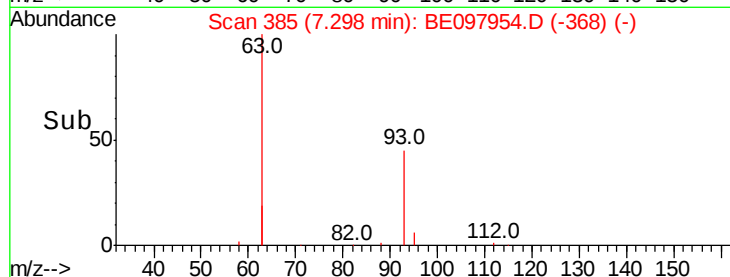
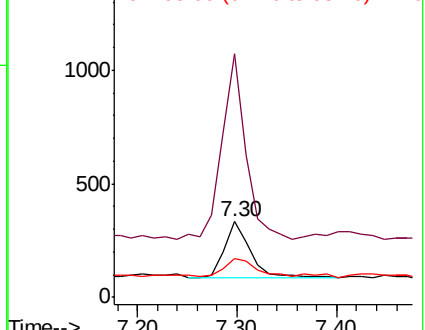


Abundance

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: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

Tgt Ion: 136 Resp: 7501

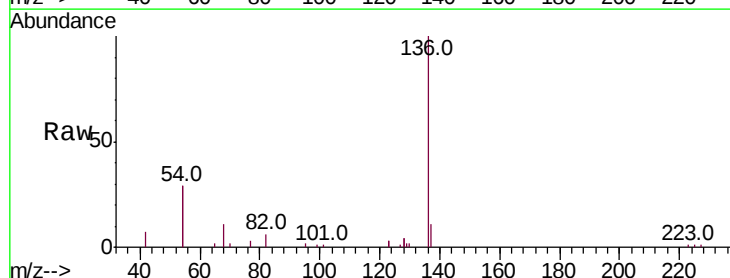
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 57.5 27.7 41.5#

68 10.9 5.3 7.9#



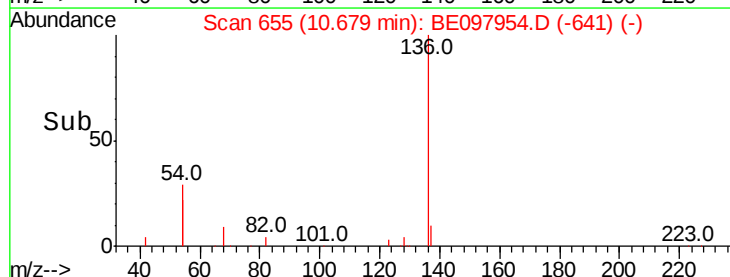
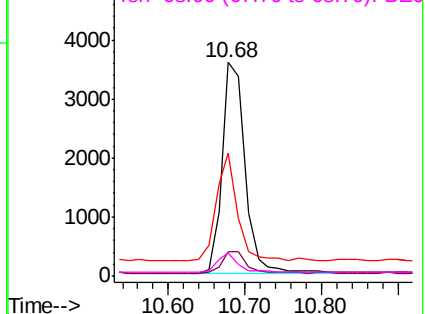
Abundance

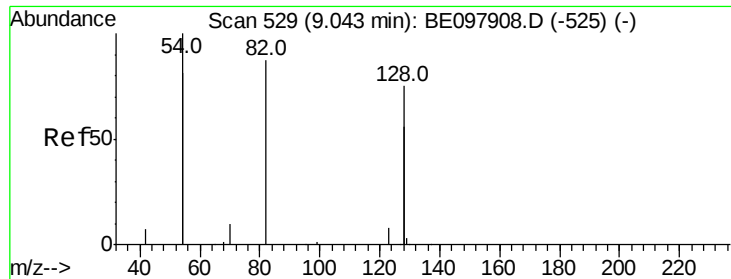
Ion 136.00 (135.70 to 136.70): E

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: 0.213 ng

RT: 9.04 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004DL

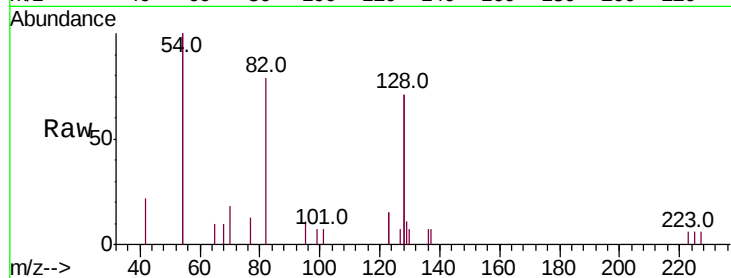
Tot Ion: 82 Resp: 1510

Ion Ratio Lower Upper

82 100

128 179.4 129.9 194.9

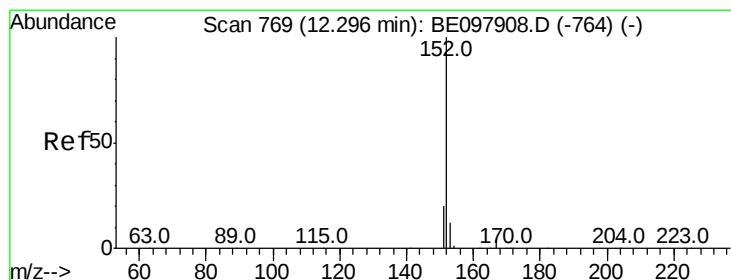
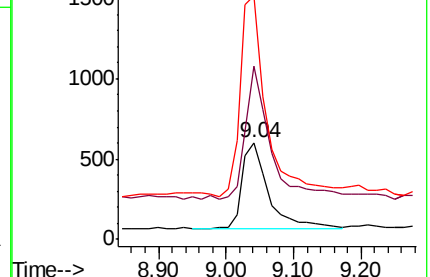
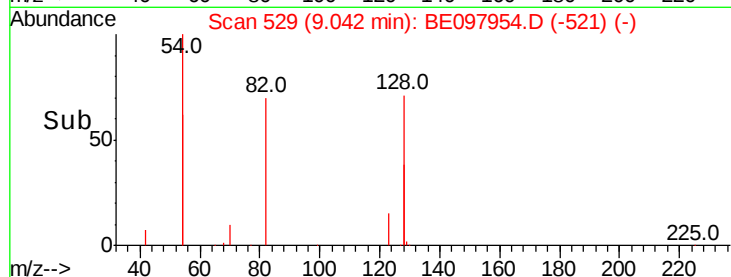
54 251.8 174.0 261.0



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: 0.206 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097954.D

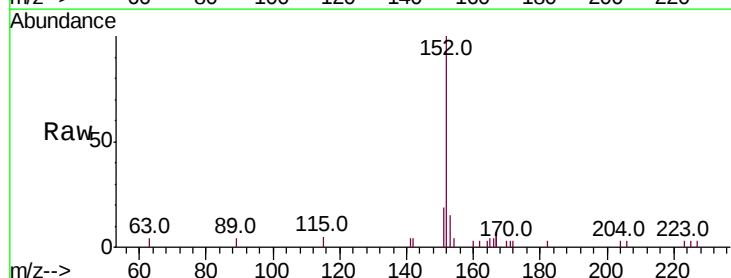
Acq: 17 Oct 2018 19:32

Tgt Ion: 152 Resp: 2565

Ion Ratio Lower Upper

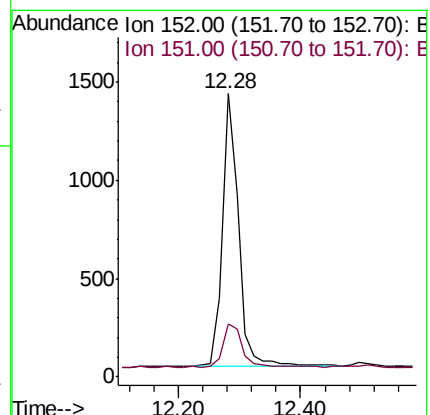
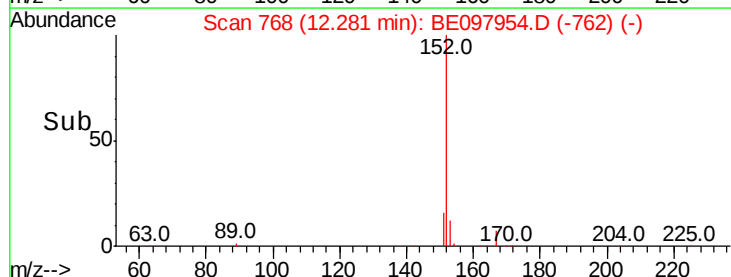
152 100

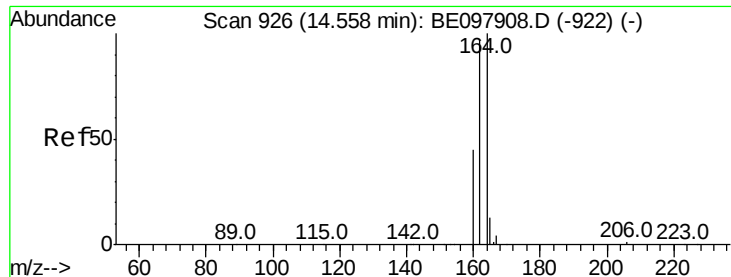
151 19.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

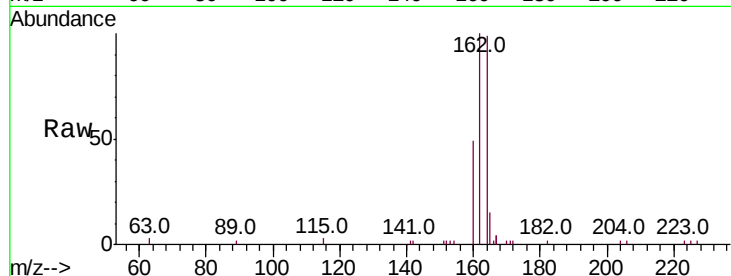




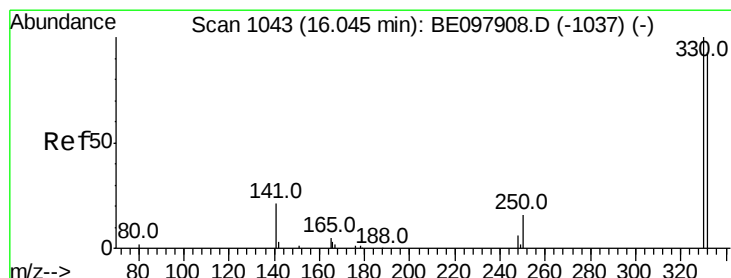
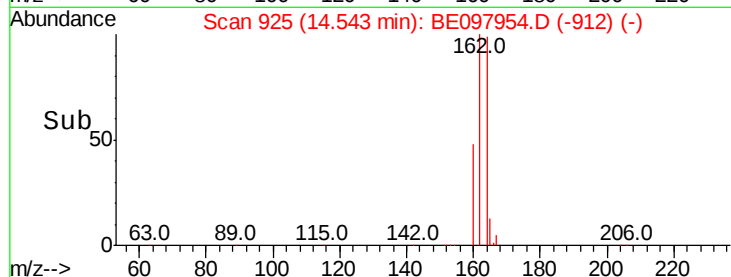
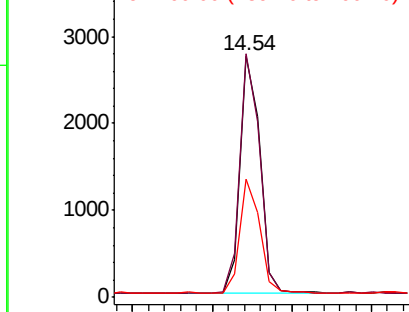
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BE097954.D
 Acq: 17 Oct 2018 19:32

Instrument :
 BNA_E
 ClientSampleId :
 TT-DUP04-20181004DL

Tot Ion:164 Resp: 4711
 Ion Ratio Lower Upper
 164 100
 162 100.8 77.4 116.2
 160 49.1 36.5 54.7

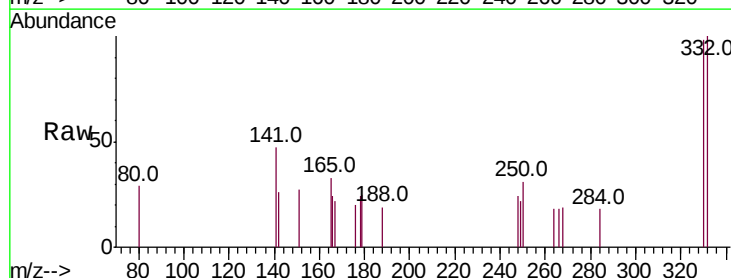


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

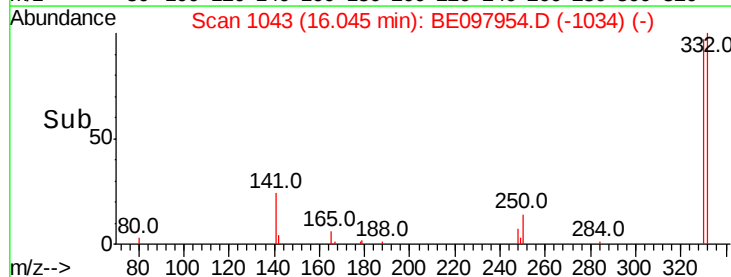
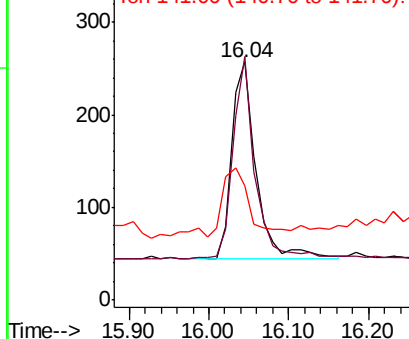


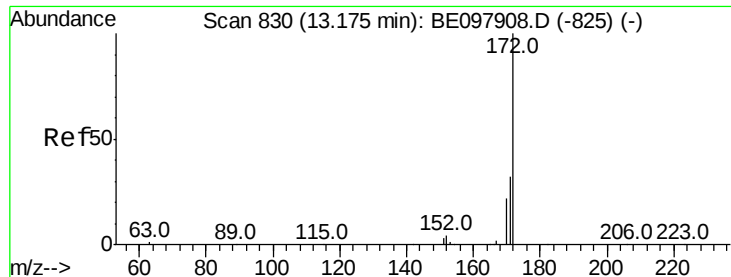
#14
 2,4,6-Tribromophenol
 Concen: 0.174 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097954.D
 Acq: 17 Oct 2018 19:32

Tgt Ion:330 Resp: 441
 Ion Ratio Lower Upper
 330 100
 332 94.6 76.5 114.7
 141 39.5 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: 0.247 ng

RT: 13.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004DL

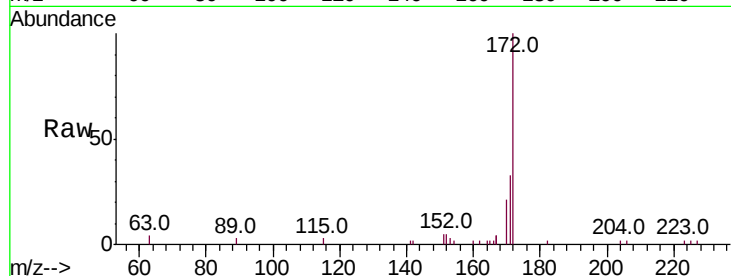
Tot Ion:172 Resp: 4753

Ion Ratio Lower Upper

172 100

171 32.9 26.0 39.0

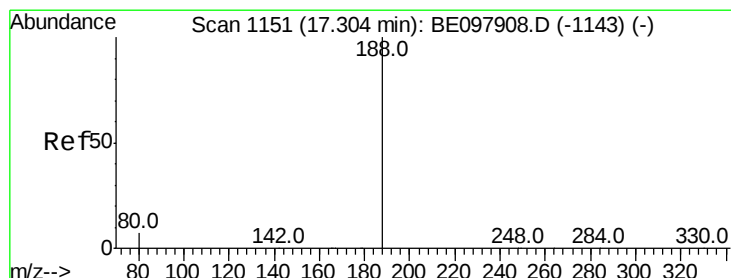
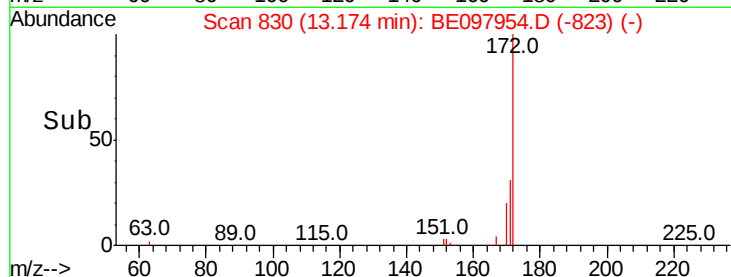
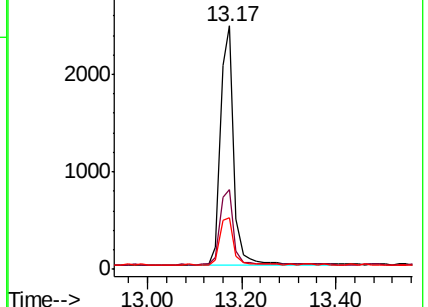
170 21.3 18.0 27.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

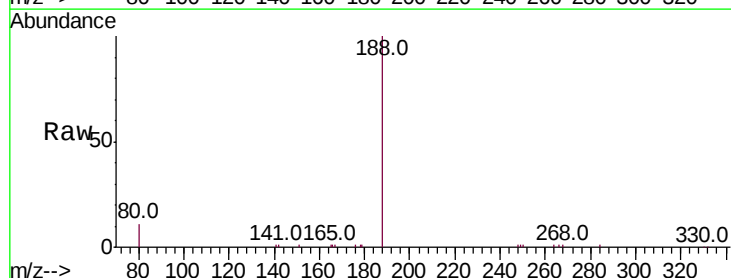
Tgt Ion:188 Resp: 13668

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

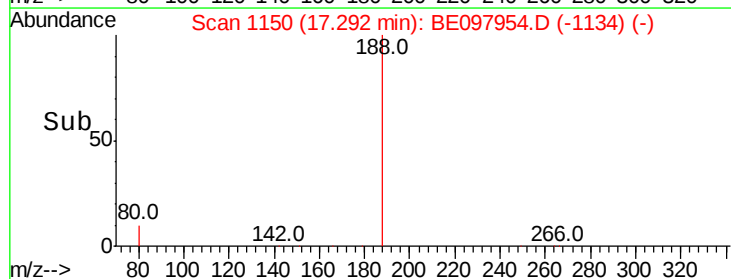
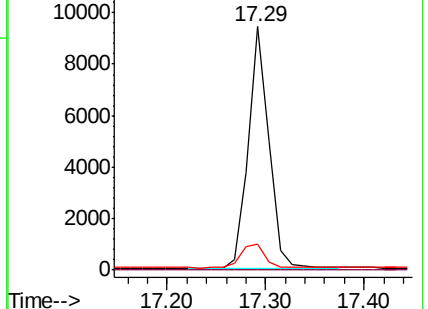
80 10.9 6.3 9.5#

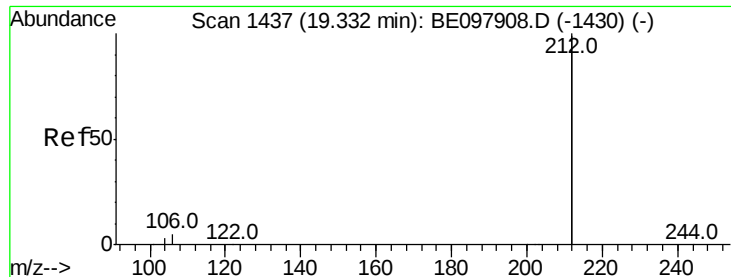


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

Fluoranthene-d10

Concen: 0.216 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004DL

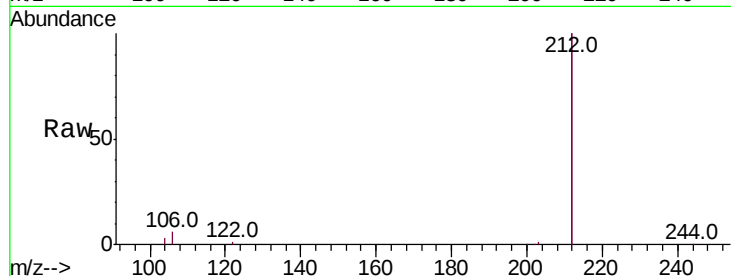
Tot Ion:212 Resp: 39966

Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

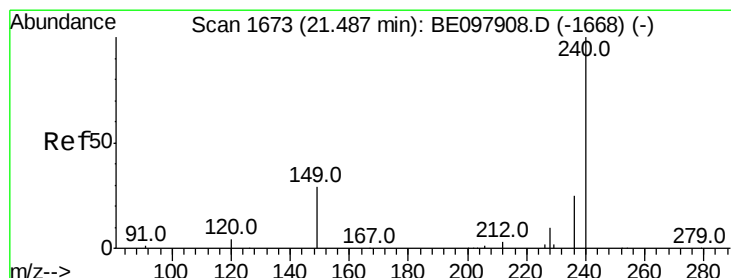
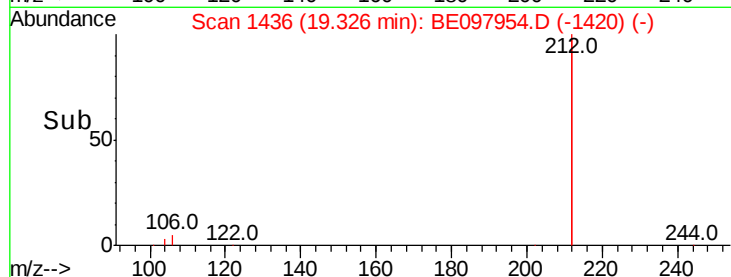
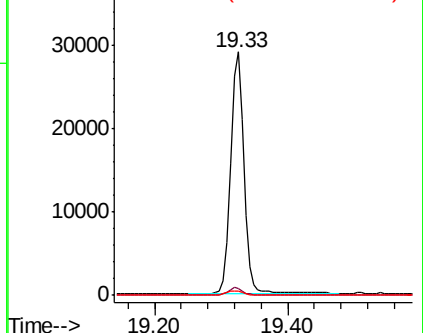
104 1.7 1.3 1.9



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: 21.48 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

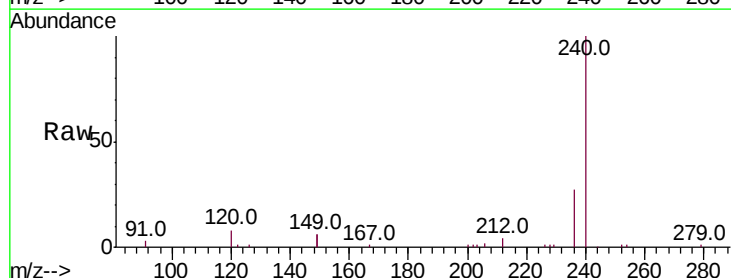
Tgt Ion:240 Resp: 17122

Ion Ratio Lower Upper

240 100

120 8.0 7.1 10.7

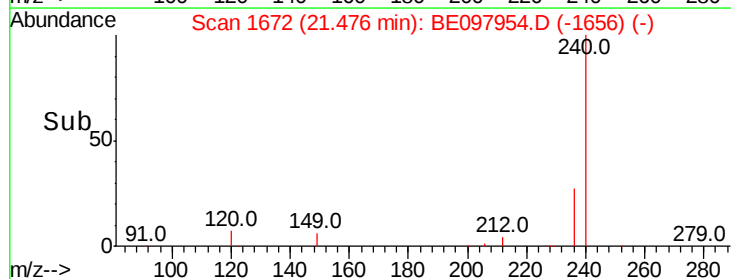
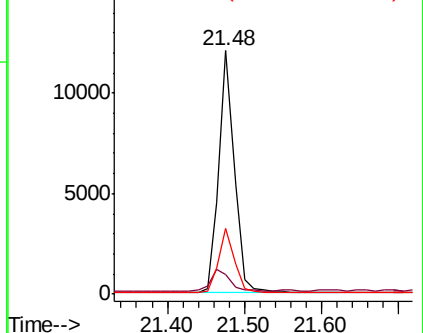
236 27.1 21.3 31.9

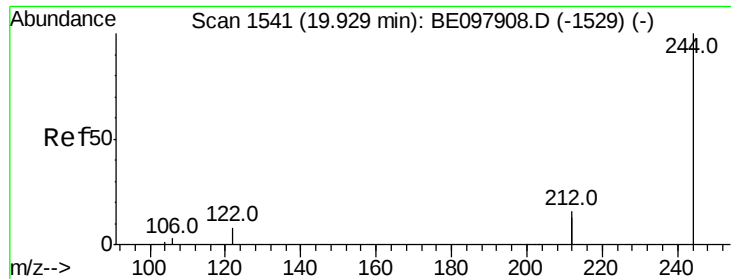


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.386 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BE097954.D

Acq: 17 Oct 2018 19:32

Instrument :

BNA_E

ClientSampleId :

TT-DUP04-20181004DL

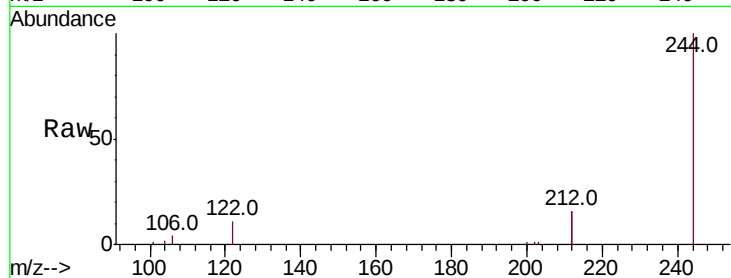
Tot Ion:244 Resp: 15159

Ion Ratio Lower Upper

244 100

212 31.2 26.2 39.2

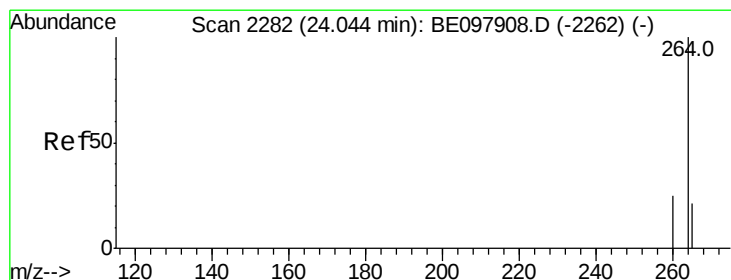
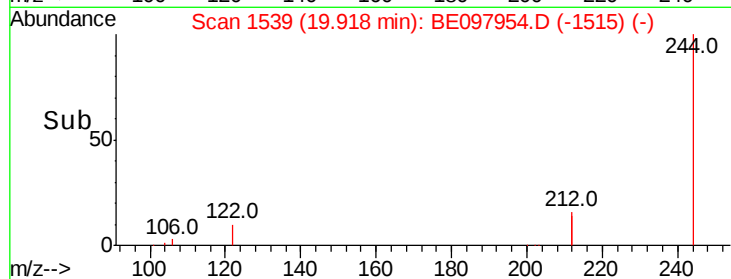
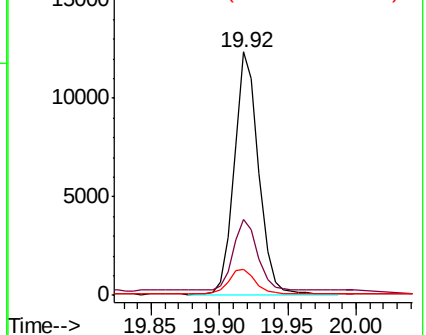
122 10.6 7.7 11.5



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: BE097954.D

Acq: 17 Oct 2018 19:32

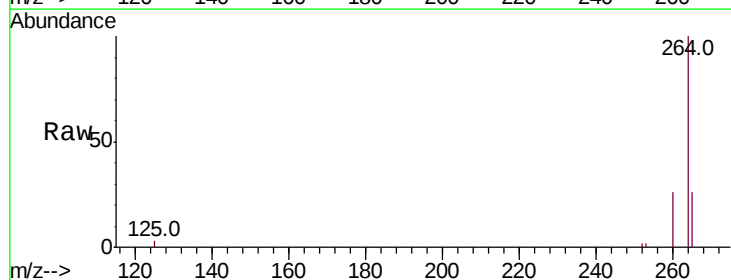
Tgt Ion:264 Resp: 17406

Ion Ratio Lower Upper

264 100

260 25.6 21.1 31.7

265 26.1 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

