

Data File : BE098501.D
Acq On : 16 Dec 2018 10:29
Operator : SJ/JU
Sample : J6405-02DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
TT101D1-20181212DL

Quant Time: Dec 17 02:04:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	732	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3035	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1967	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	5186	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	6022	0.40	ng	0.00
34) Perylene-d12	24.00	264	5872	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	223	0.13	ng	0.01
5) Phenol-d6	7.05	99	196	0.08	ng	0.00
8) Nitrobenzene-d5	9.03	82	828	0.30	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	936	0.19	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	175	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	2544	0.31	ng	0.00
25) Fluoranthene-d10	19.30	212	13799	0.21	ng	0.00
29) Terphenyl-d14	19.90	244	3843	0.26	ng	0.00

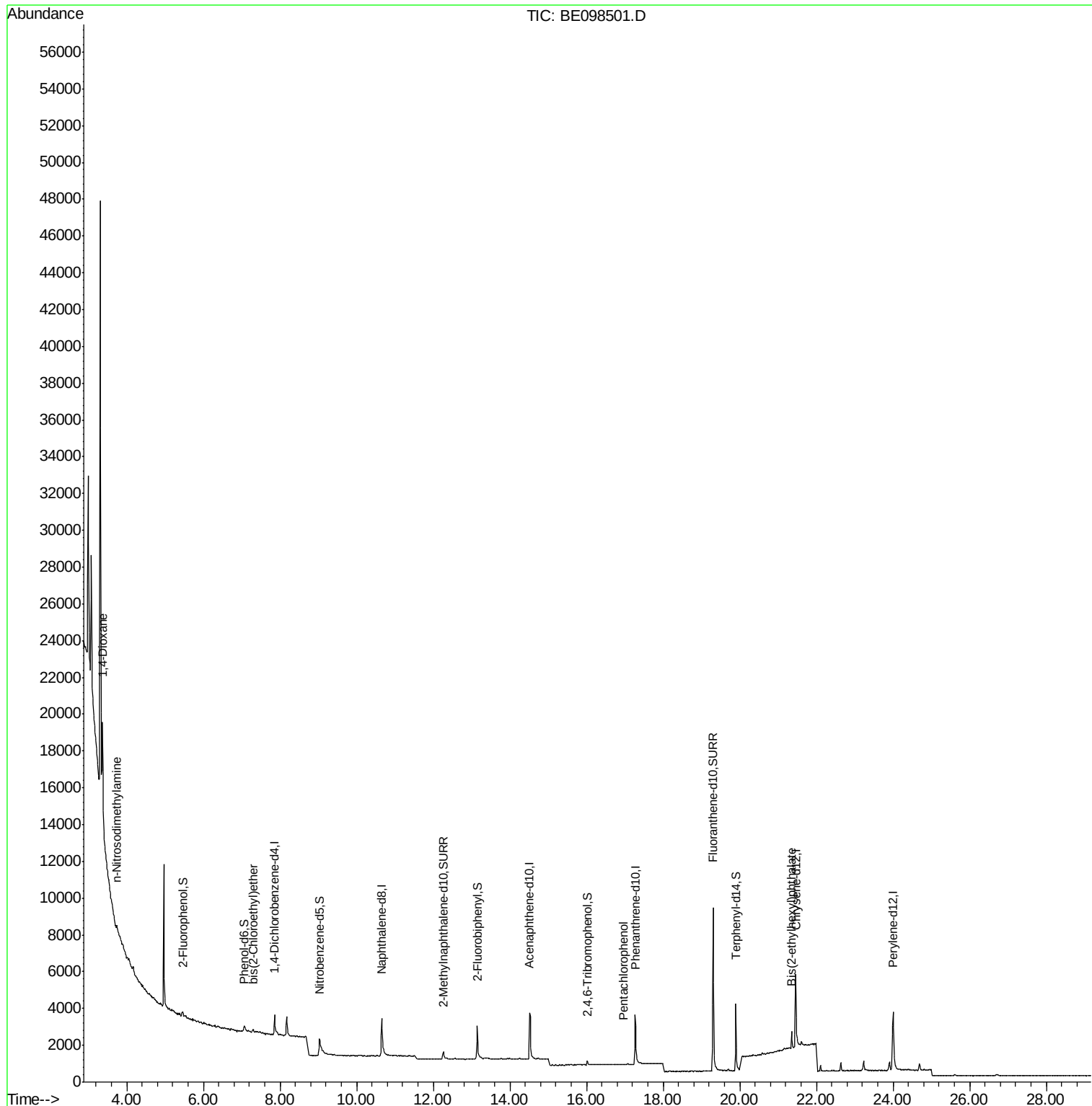
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	2535	2.002	ng	# 87
3) n-Nitrosodimethylamine	3.73	42	25	0.022	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	96	0.042	ng	# 87
22) Pentachlorophenol	16.95	266	12	0.042	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.35	149	1144	0.033	ng	# 99

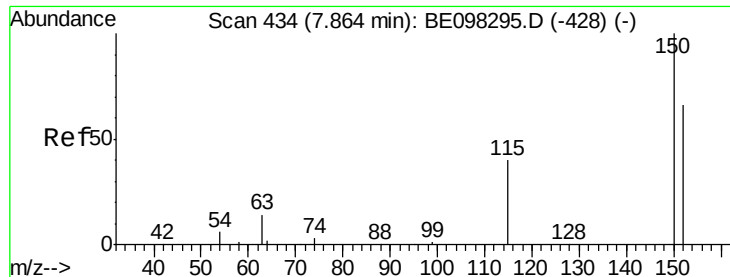
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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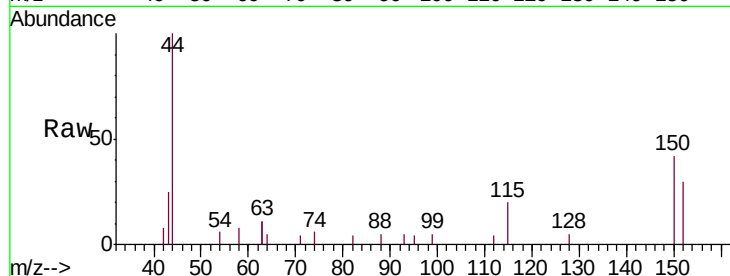


#1

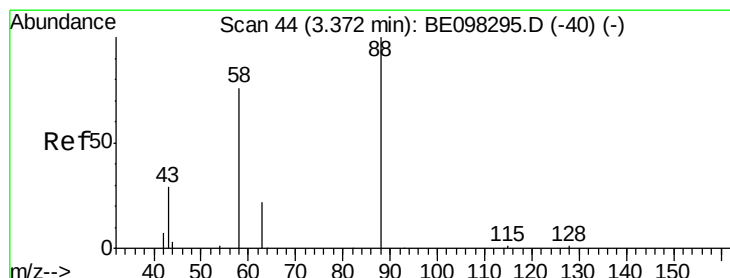
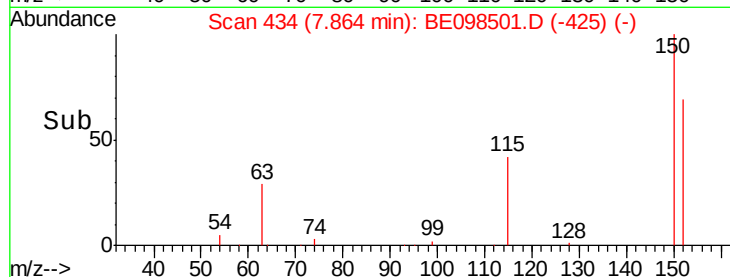
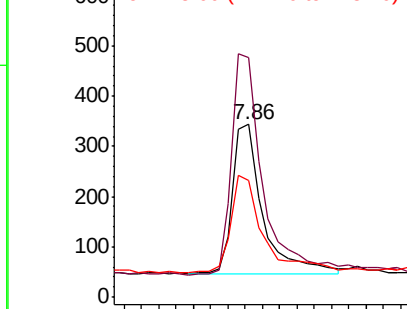
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098501.D
Acq: 16 Dec 2018 10:29

Instrument :
BNA_E
ClientSampleId :
TT101D1-20181212DL

Tgt Ion:152 Resp: 732
Ion Ratio Lower Upper
152 100
150 139.0 124.2 186.4
115 67.2 53.9 80.9



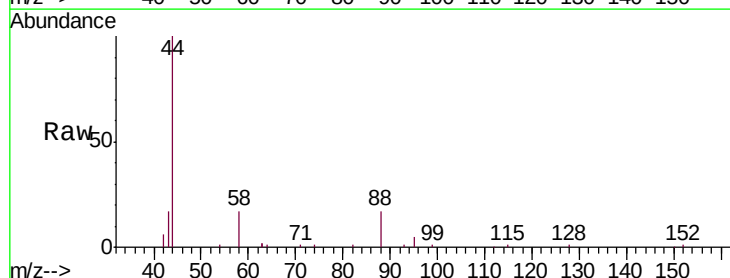
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



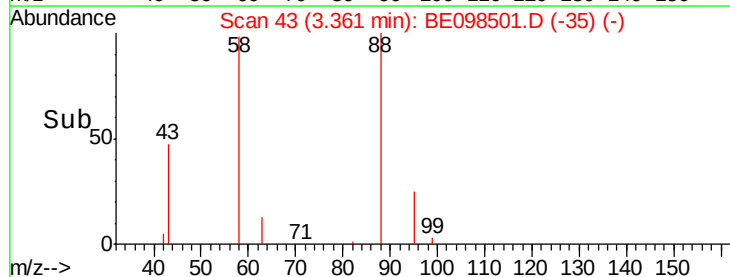
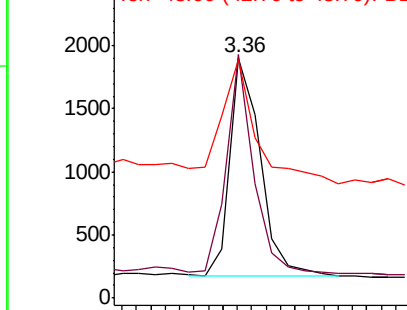
#2

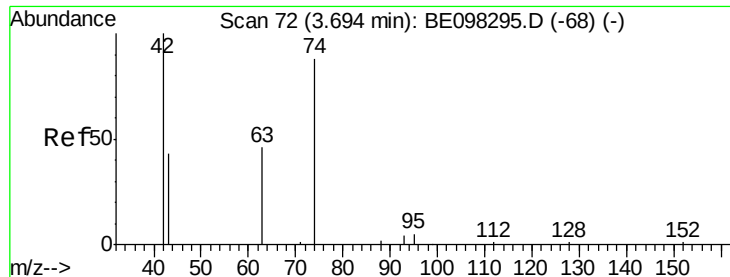
1,4-Dioxane
Concen: 2.002 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098501.D
Acq: 16 Dec 2018 10:29

Tgt Ion: 88 Resp: 2535
Ion Ratio Lower Upper
88 100
58 88.2 75.0 112.6
43 66.0 38.3 57.5#



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





#3

n-Nitrosodimethylamine

Concen: 0.022 ng

RT: 3.73 min Scan# 75

Delta R.T. 0.03 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

Instrument :

BNA_E

ClientSampleId :

TT101D1-20181212DL

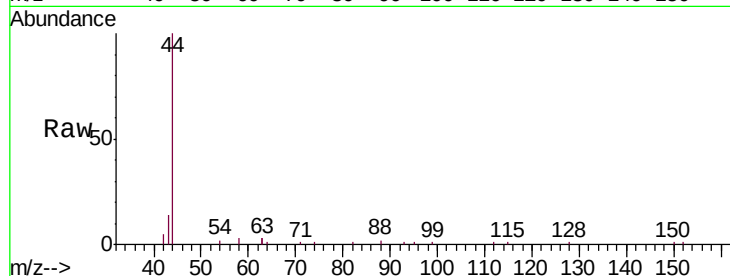
Tgt Ion: 42 Resp: 25

Ion Ratio Lower Upper

42 100

74 36.0 0.0 0.0#

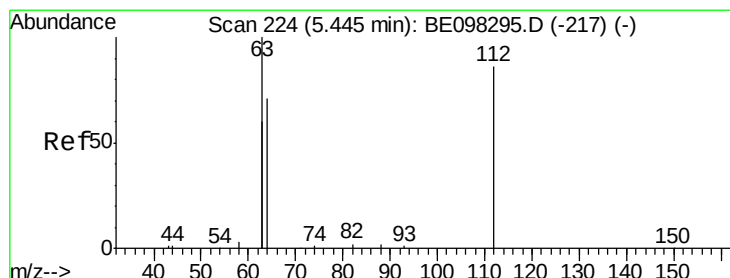
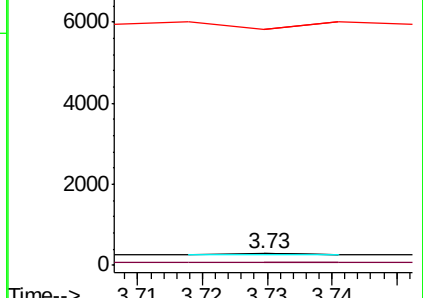
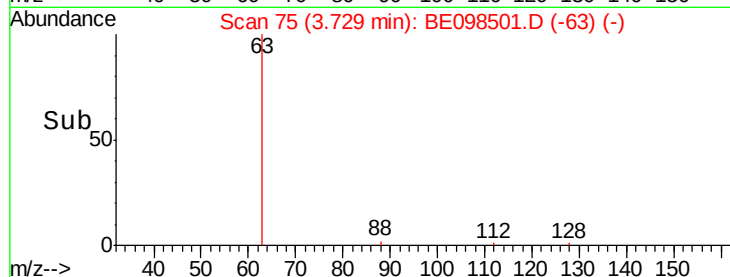
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.130 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

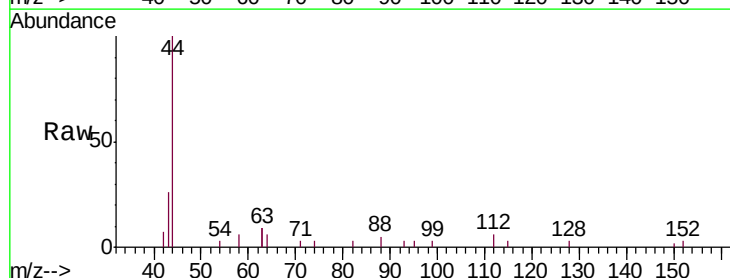
Tgt Ion: 112 Resp: 223

Ion Ratio Lower Upper

112 100

64 80.7 59.8 89.8

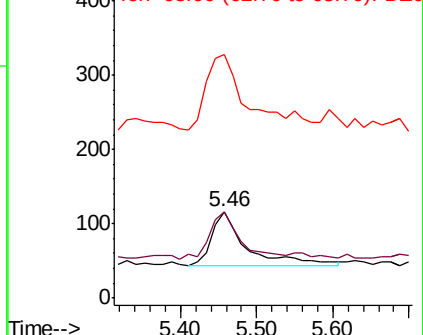
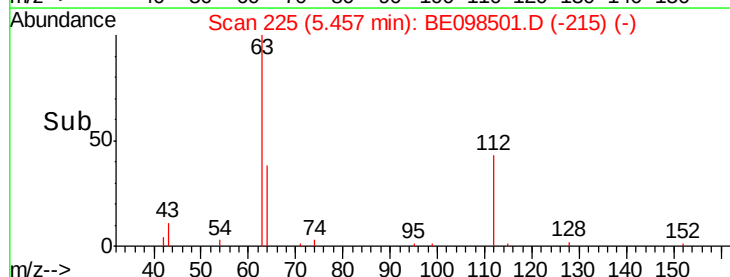
63 174.9 133.7 200.5

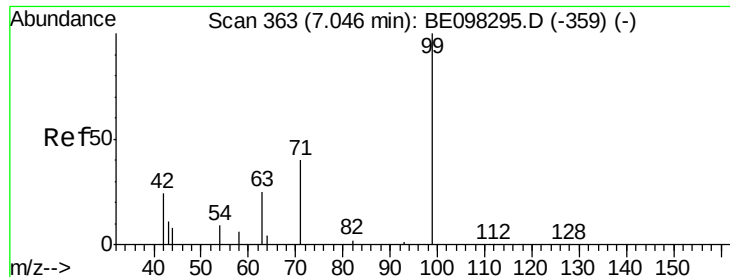


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.081 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

Instrument :

BNA_E

ClientSampleId :

TT101D1-20181212DL

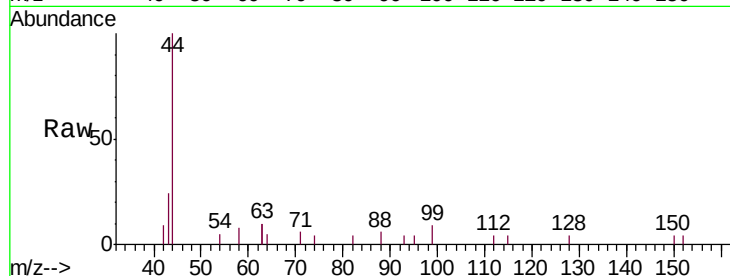
Tgt Ion: 99 Resp: 196

Ion Ratio Lower Upper

99 100

42 78.1 26.3 39.5#

71 43.4 33.6 50.4



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

7.05

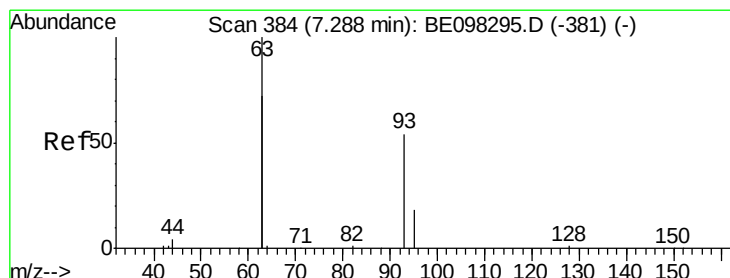
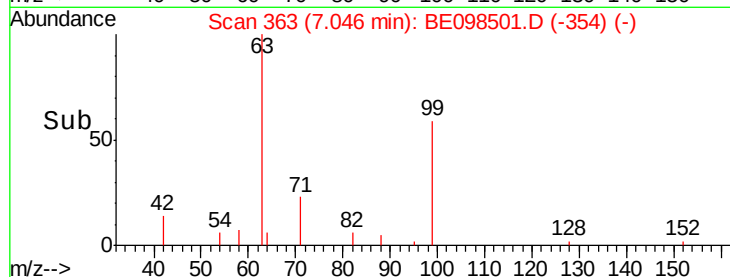
100

50

0

7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.042 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

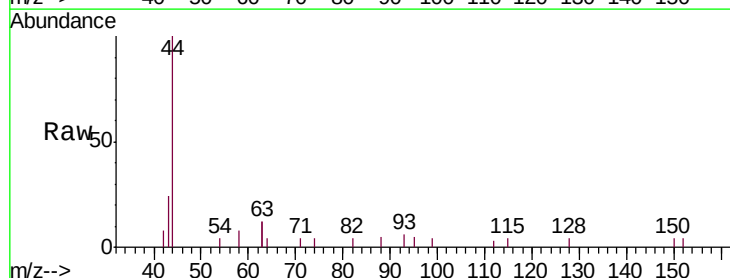
Tgt Ion: 93 Resp: 96

Ion Ratio Lower Upper

93 100

63 302.1 264.4 396.6

95 29.2 26.6 40.0



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

400

300

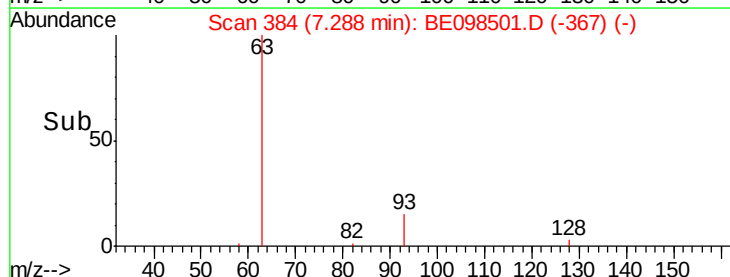
200

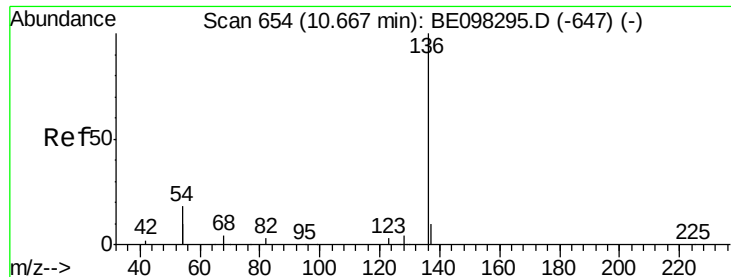
100

0

7.20 7.25 7.30 7.35 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

Instrument :

BNA_E

ClientSampleId :

TT101D1-20181212DL

Tgt Ion: 136 Resp: 3035

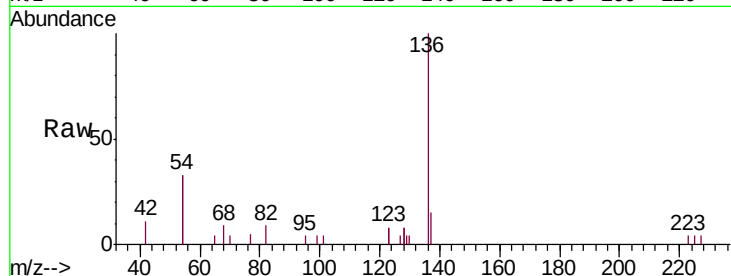
Ion Ratio Lower Upper

136 100

137 15.5 9.2 13.8#

54 66.8 28.4 42.6#

68 9.1 5.4 8.0#

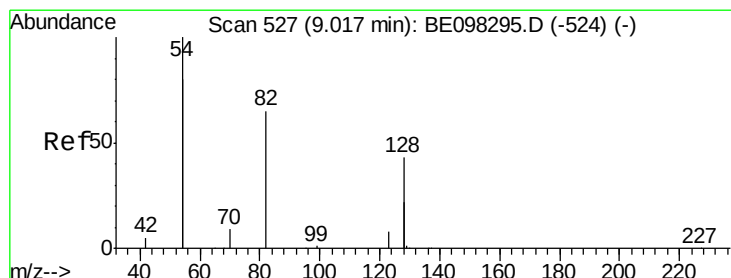
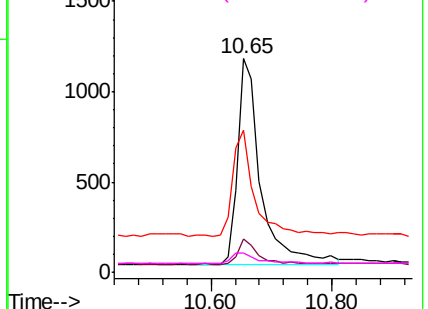
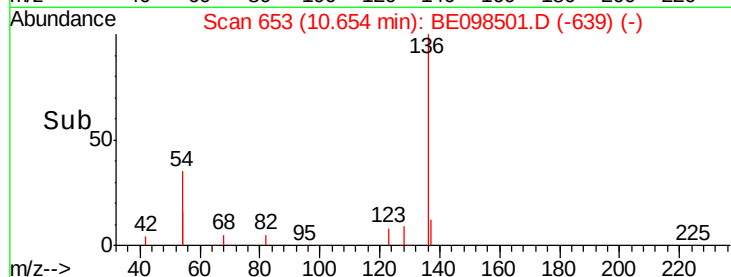


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.300 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

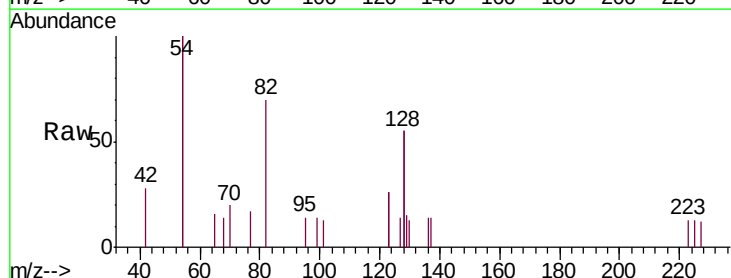
Tgt Ion: 82 Resp: 828

Ion Ratio Lower Upper

82 100

128 158.7 102.4 153.6#

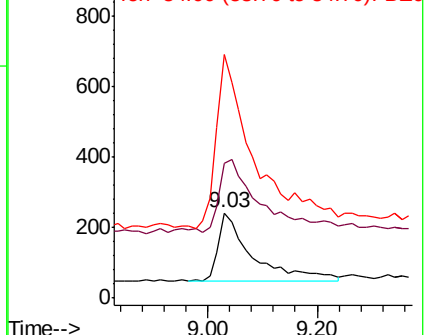
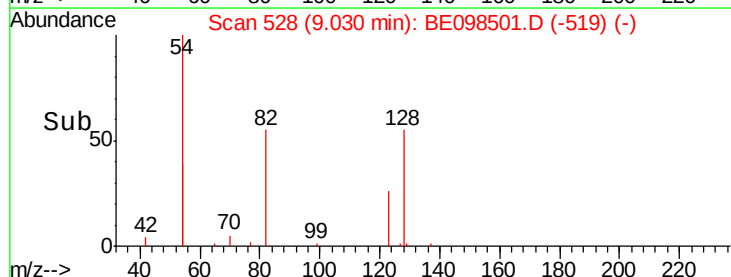
54 286.0 221.8 332.8

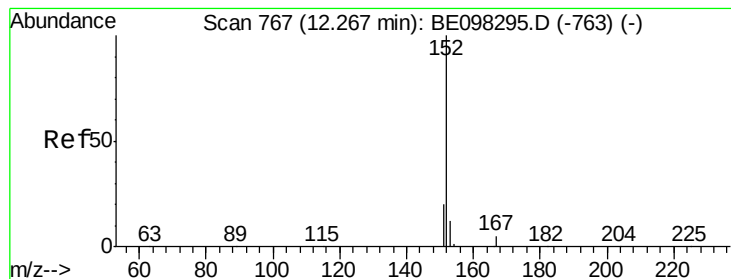


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.190 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

Instrument :

BNA_E

ClientSampleId :

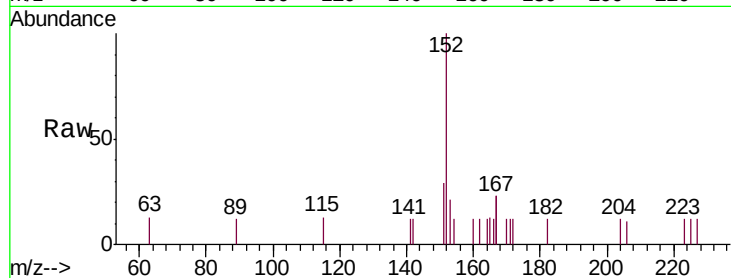
TT101D1-20181212DL

Tgt Ion:152 Resp: 936

Ion Ratio Lower Upper

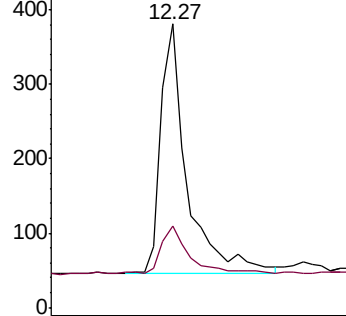
152 100

151 21.3 16.2 24.4

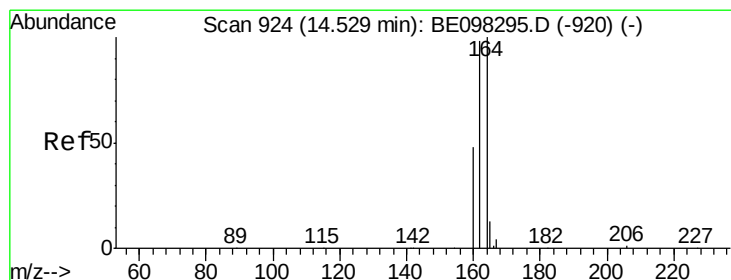
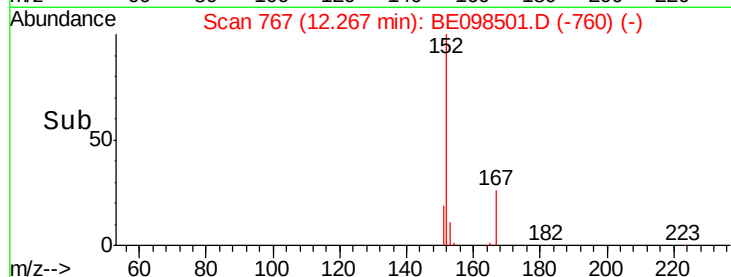


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

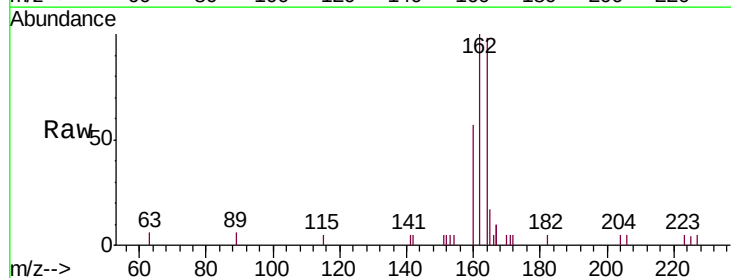
Tgt Ion:164 Resp: 1967

Ion Ratio Lower Upper

164 100

162 102.4 77.6 116.4

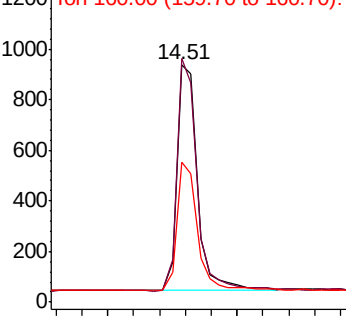
160 58.7 36.0 54.0#



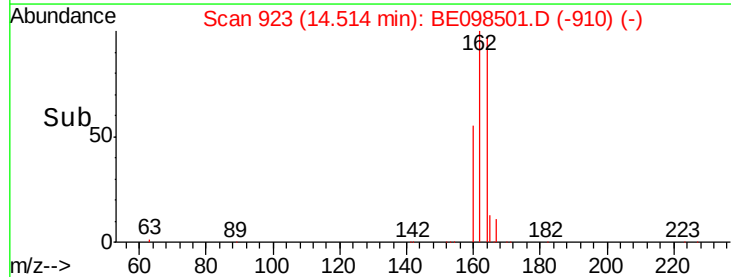
Abundance Ion 164.00 (163.70 to 164.70): E

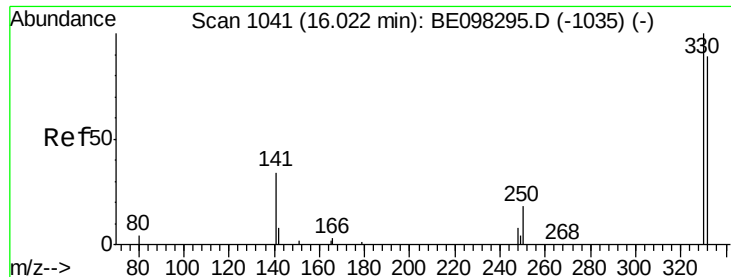
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

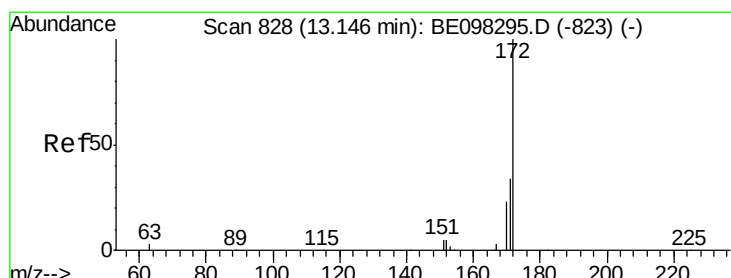
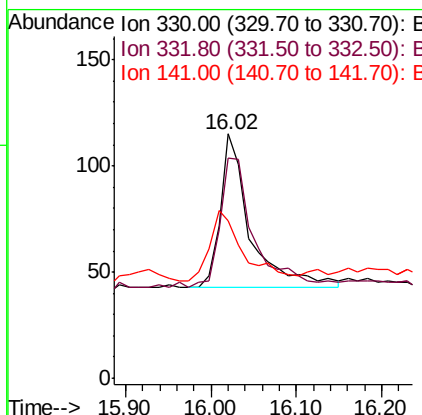
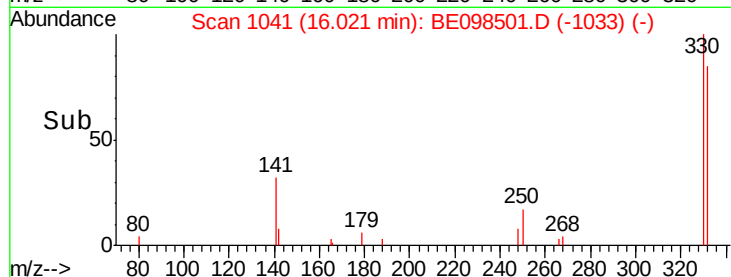
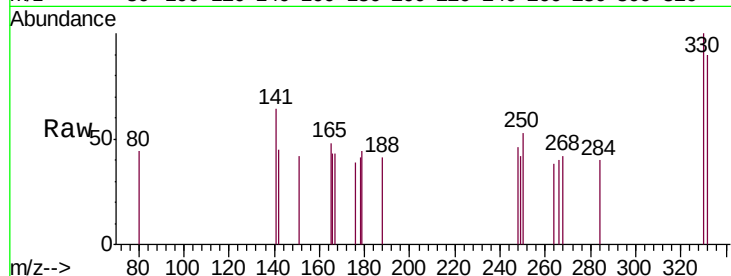




#14
 2,4,6-Tribromophenol
 Concen: 0.242 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098501.D
 Acq: 16 Dec 2018 10:29

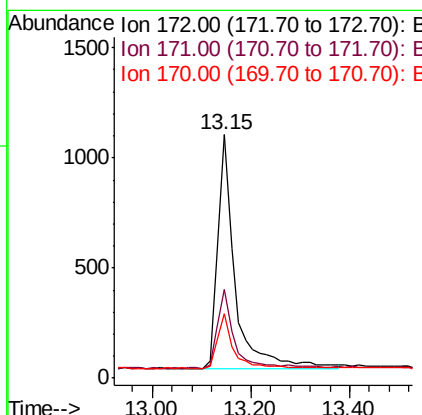
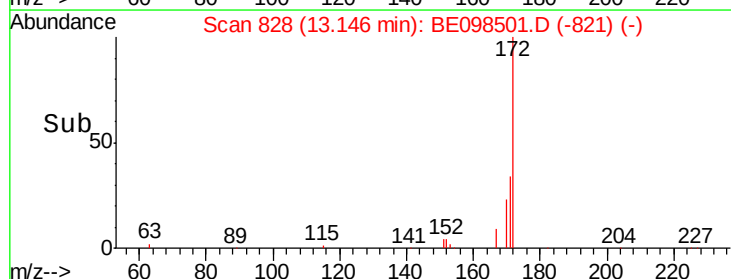
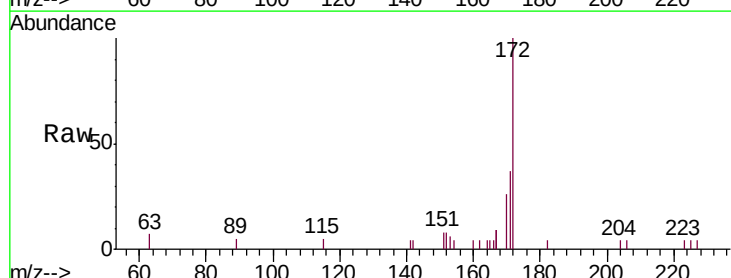
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 TT101D1-20181212DL

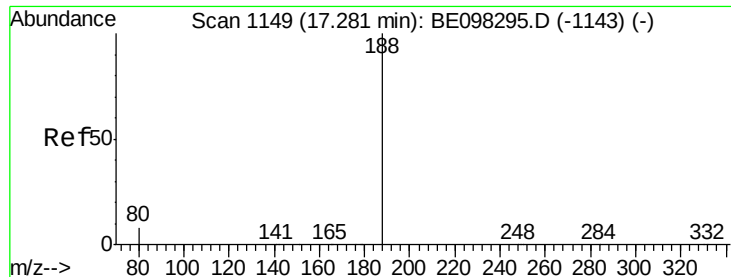
Tgt Ion: 330 Resp: 175
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.2 114.4
 141 51.4 39.0 58.4



#15
 2-Fluorobiphenyl
 Concen: 0.307 ng
 RT: 13.15 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BE098501.D
 Acq: 16 Dec 2018 10:29

Tgt Ion: 172 Resp: 2544
 Ion Ratio Lower Upper
 172 100
 171 36.6 27.5 41.3
 170 26.2 19.6 29.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

Instrument :

BNA_E

ClientSampleId :

TT101D1-20181212DL

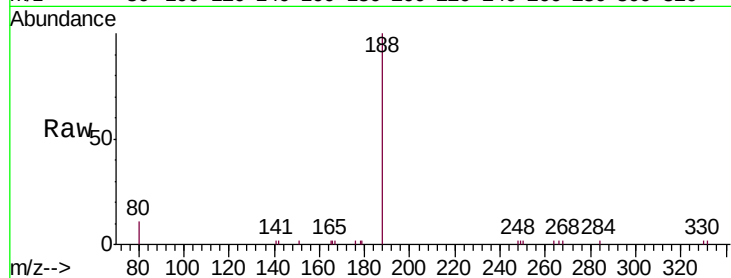
Tgt Ion:188 Resp: 5186

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

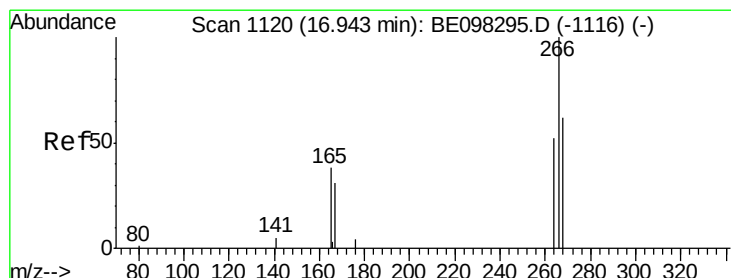
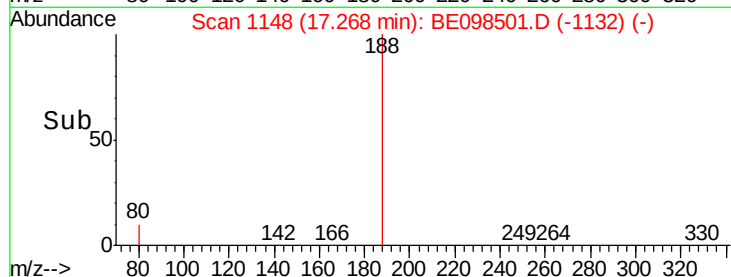
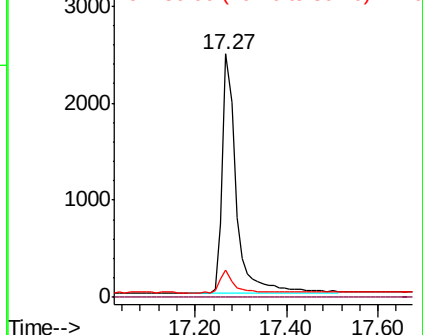
80 11.4 7.2 10.8#



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: 0.042 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

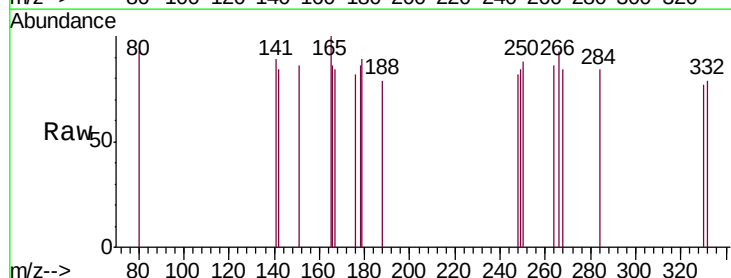
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 92.3 59.0 88.4#

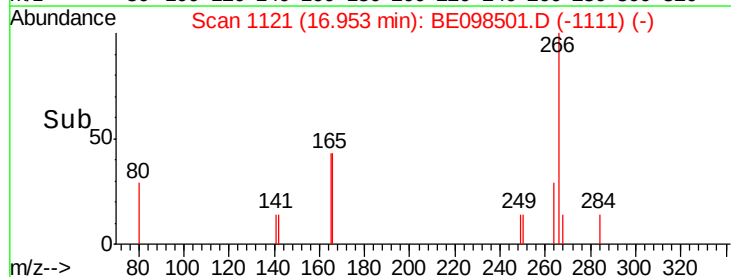
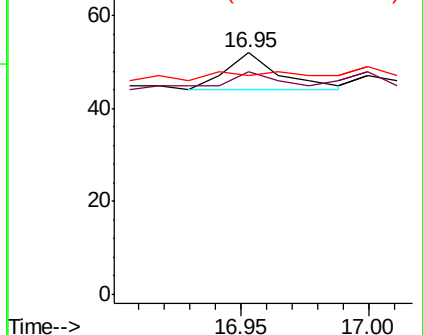
268 90.4 55.1 82.7#

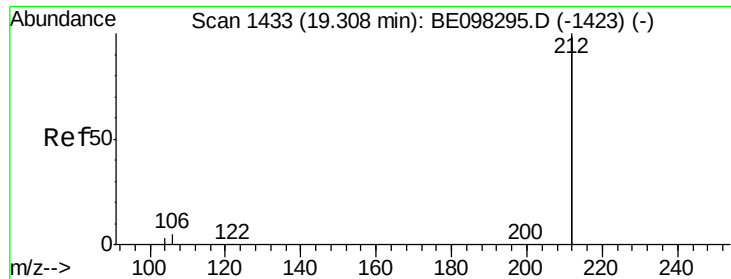


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.207 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

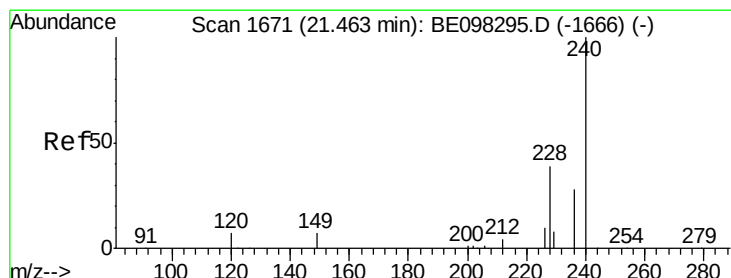
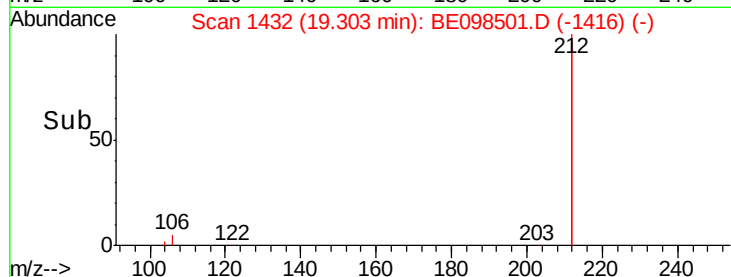
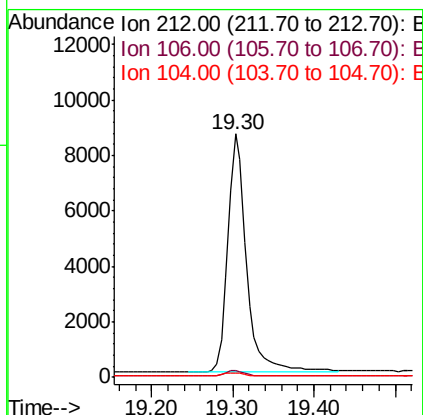
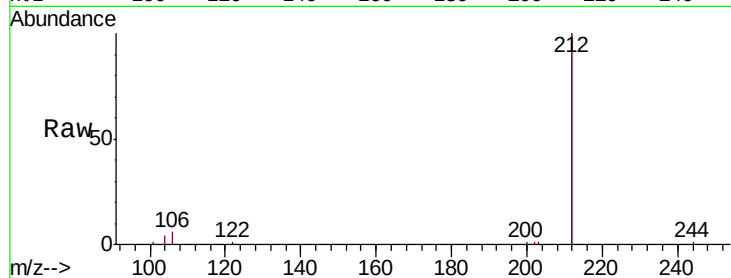
Instrument :

BNA_E

ClientSampleId :

TT101D1-20181212DL

Tgt Ion:	212	Resp:	13799
Ion	Ratio	Lower	Upper
212	100		
106	2.4	2.2	3.2
104	1.5	1.3	1.9



#27

Chrysene-d12

Concen: 0.400 ng

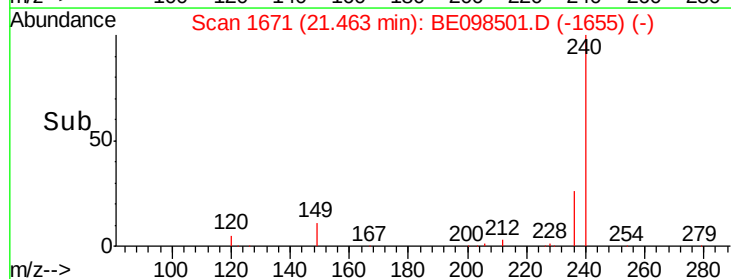
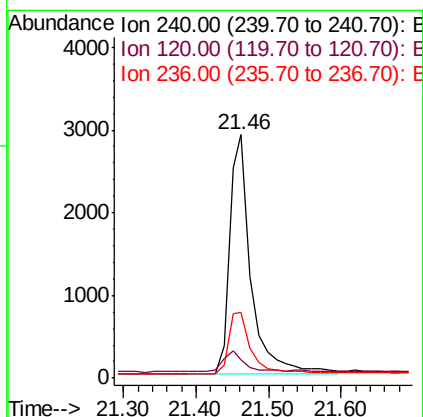
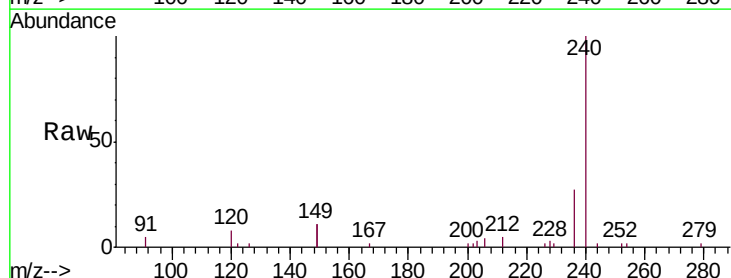
RT: 21.46 min Scan# 1671

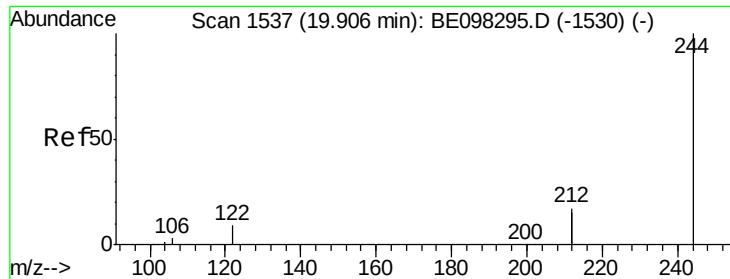
Delta R.T. -0.00 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

Tgt Ion:	240	Resp:	6022
Ion	Ratio	Lower	Upper
240	100		
120	7.6	9.5	14.3#
236	27.0	22.7	34.1





#29

Terphenyl-d14

Concen: 0.263 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

Instrument :

BNA_E

ClientSampleId :

TT101D1-20181212DL

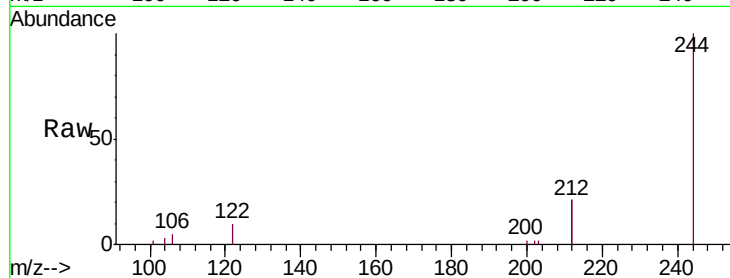
Tgt Ion:244 Resp: 3843

Ion Ratio Lower Upper

244 100

212 42.8 27.4 41.0#

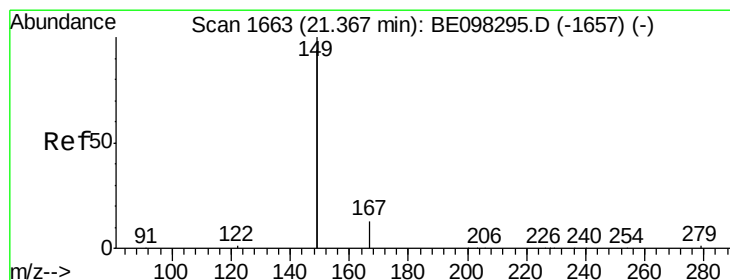
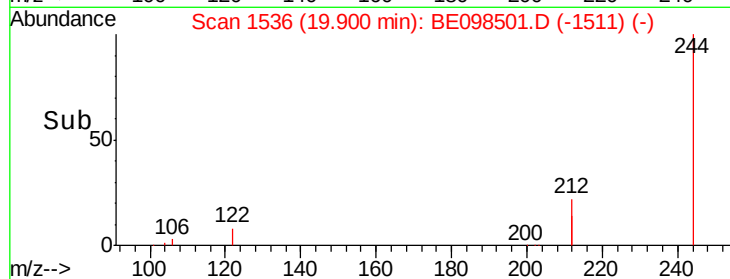
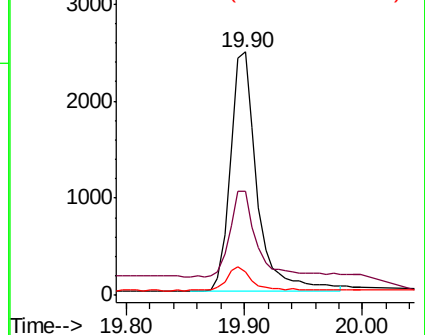
122 9.9 8.3 12.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.033 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098501.D

Acq: 16 Dec 2018 10:29

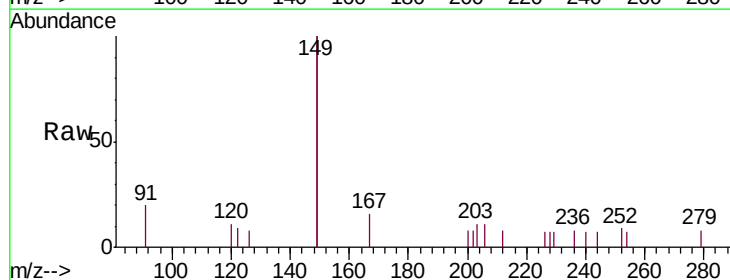
Tgt Ion:149 Resp: 1144

Ion Ratio Lower Upper

149 100

167 7.1 5.7 8.5

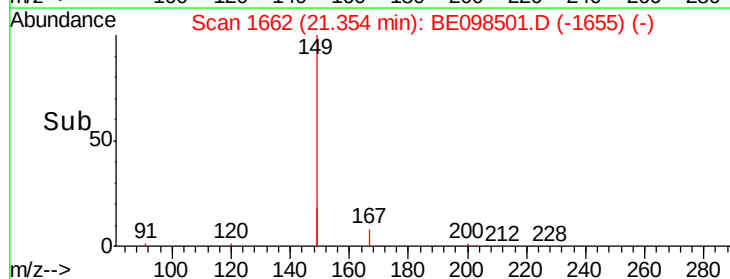
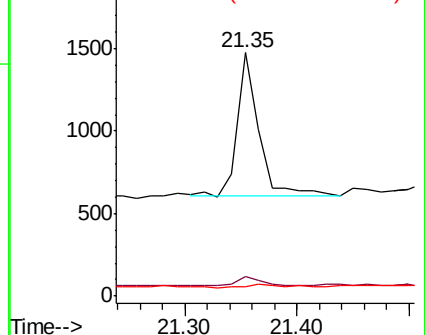
279 3.1 1.0 1.4#

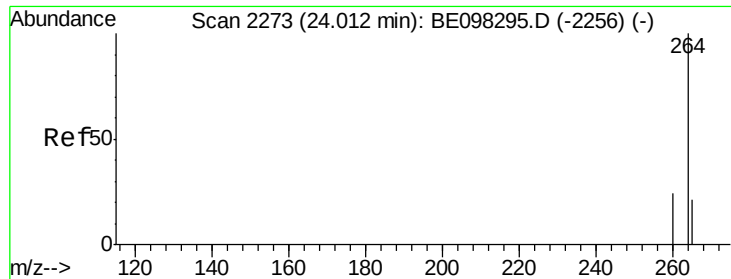


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BE098501.D

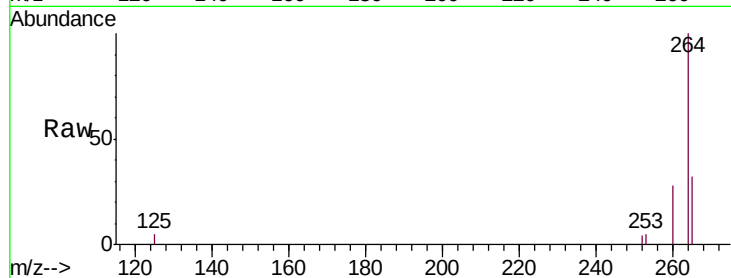
Acq: 16 Dec 2018 10:29

Instrument :

BNA_E

ClientSampleId :

TT101D1-20181212DL



Tgt Ion: 264 Resp: 5872

Ion Ratio Lower Upper

264 100

260 27.7 20.2 30.2

265 32.2 25.2 37.8

