

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121318\
 Data File : BE098422.D
 Acq On : 14 Dec 2018 6:39
 Operator : SJ/JU
 Sample : J6335-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW10-20181208

Quant Time: Dec 14 07:16:05 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	904	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	4163	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	3104	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	7592	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	8406	0.40	ng	-0.01
34) Perylene-d12	23.99	264	8200	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	491	0.23	ng	0.00
5) Phenol-d6	7.03	99	392	0.13	ng	-0.01
8) Nitrobenzene-d5	9.12	82	137	0.04	ng	0.10
11) 2-Methylnaphthalene-d10	12.25	152	2854	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	950	0.83	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	4786	0.37	ng	-0.01
25) Fluoranthene-d10	19.30	212	44257	0.45	ng	-0.01
29) Terphenyl-d14	19.89	244	8064	0.39	ng	-0.01

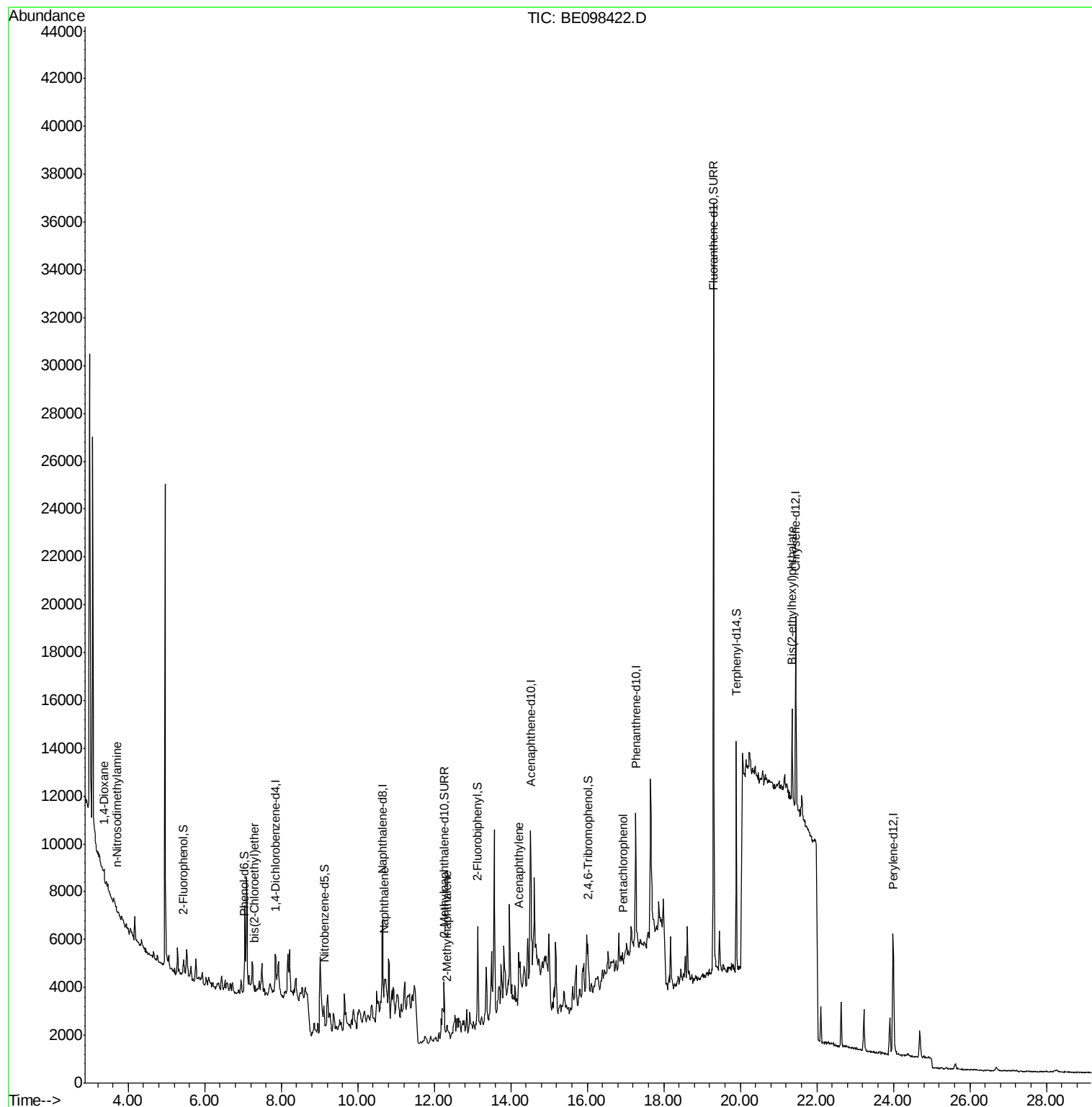
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	215	0.138	ng	# 9
3) n-Nitrosodimethylamine	3.72	42	66	0.047	ng	# 100
6) bis(2-Chloroethyl)ether	7.31	93	66	0.023	ng	# 1
9) Naphthalene	10.71	128	1863	0.044	ng	# 68
12) 2-Methylnaphthalene	12.32	142	201	0.030	ng	# 16
16) Acenaphthylene	14.21	152	297	0.020	ng	# 1
22) Pentachlorophenol	16.93	266	90	0.148	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.35	149	5155	0.106	ng	# 95

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

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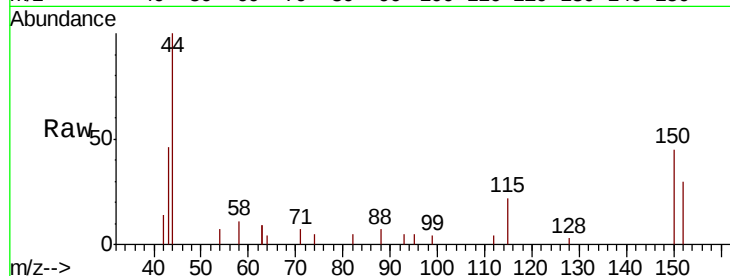


#1

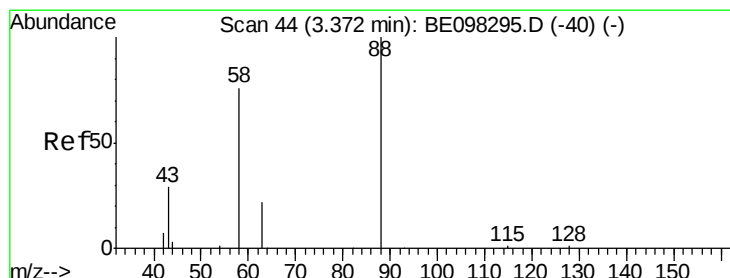
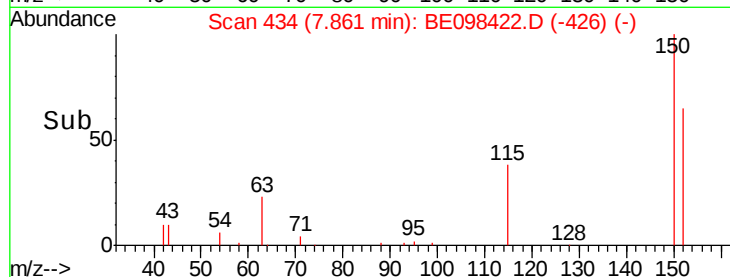
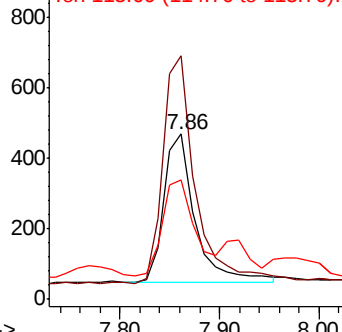
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098422.D
Acq: 14 Dec 2018 6:39

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW10-20181208

Tgt Ion: 152 Resp: 904
Ion Ratio Lower Upper
152 100
150 147.2 124.2 186.4
115 72.1 53.9 80.9



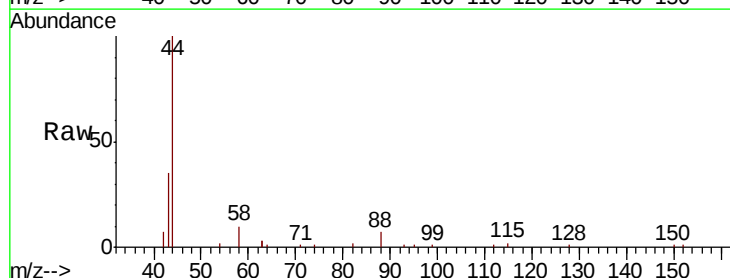
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



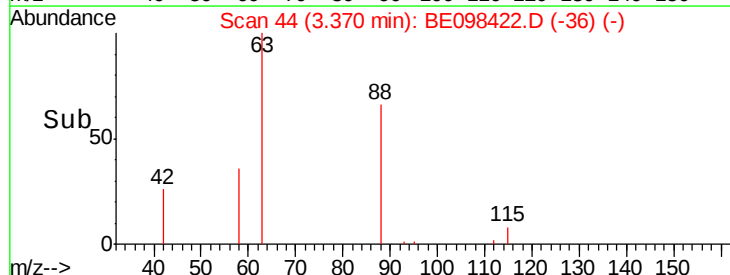
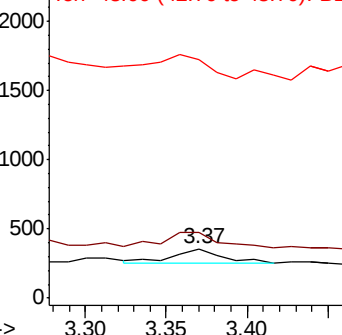
#2

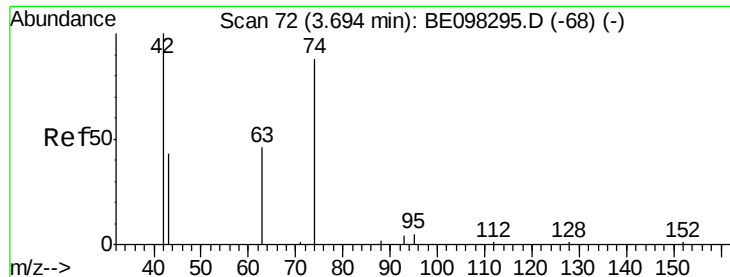
1,4-Dioxane
Concen: 0.138 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098422.D
Acq: 14 Dec 2018 6:39

Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
58 125.1 75.0 112.6#
43 186.5 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: 0.047 ng

RT: 3.72 min Scan# 74

Delta R.T. 0.02 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

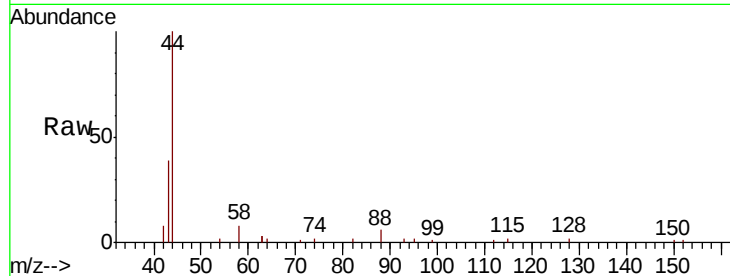
Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20181208

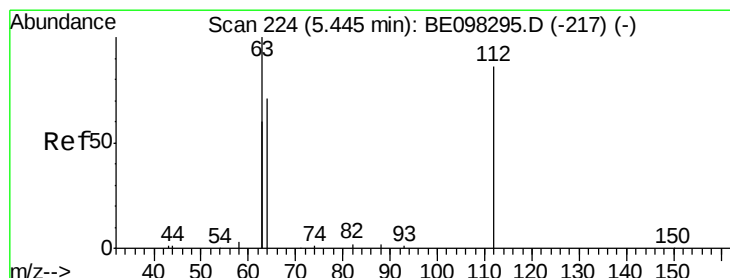
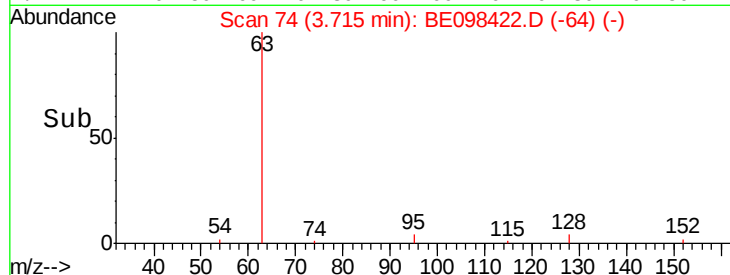
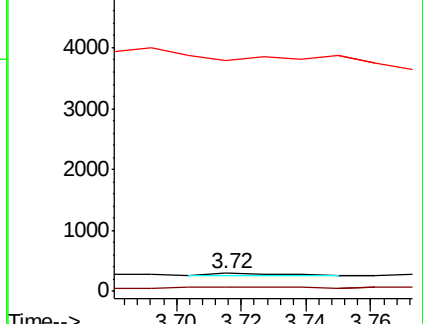
Tgt Ion:	42	Resp:	66
Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	0.0	0.0	0.0



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: 0.232 ng

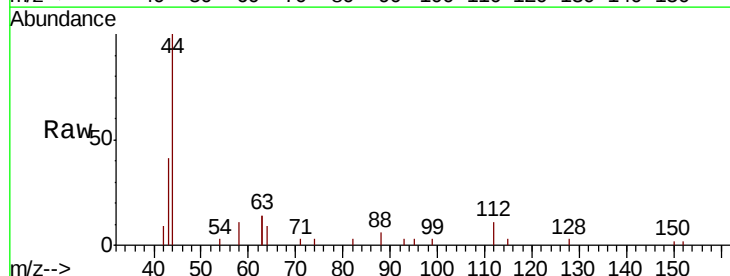
RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

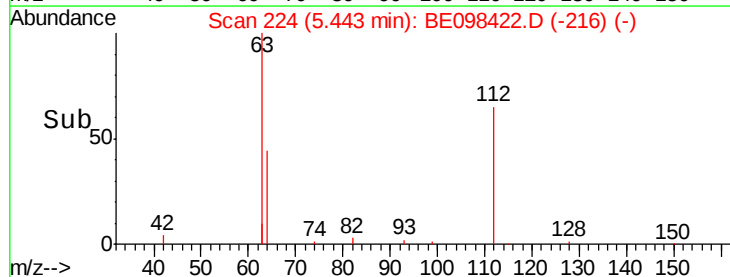
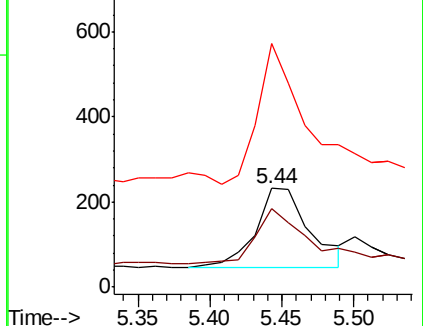
Tgt Ion:	112	Resp:	491
Ion	Ratio	Lower	Upper
112	100		
64	73.5	59.8	89.8
63	191.0	133.7	200.5

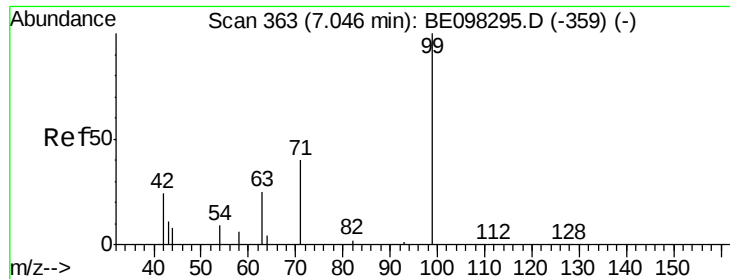


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.131 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

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ClientSampleId :

BP-TT-AOC22-MW10-20181208

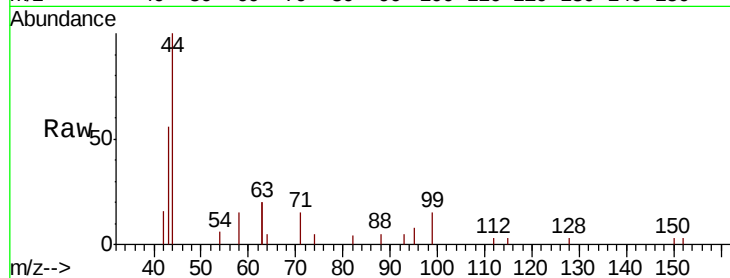
Tgt Ion: 99 Resp: 392

Ion Ratio Lower Upper

99 100

42 92.1 26.3 39.5#

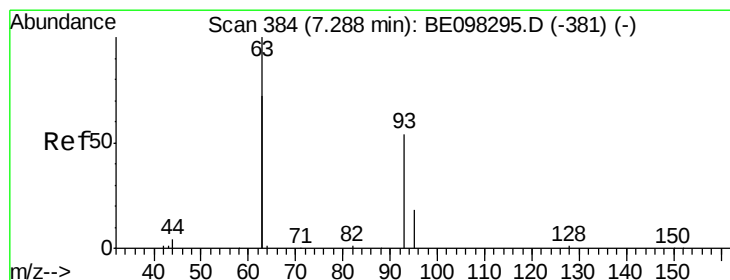
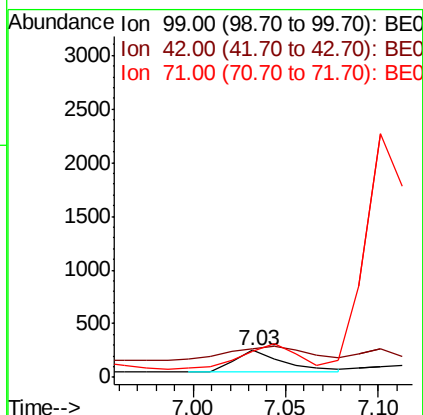
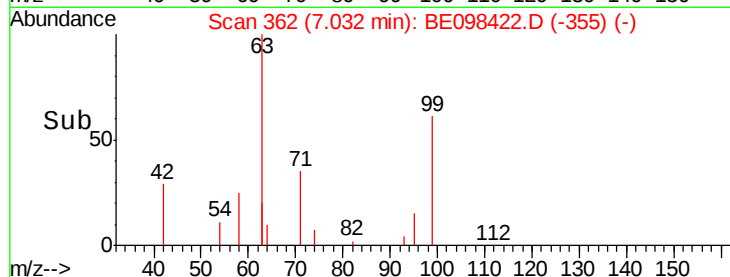
71 125.3 33.6 50.4#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.023 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.02 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

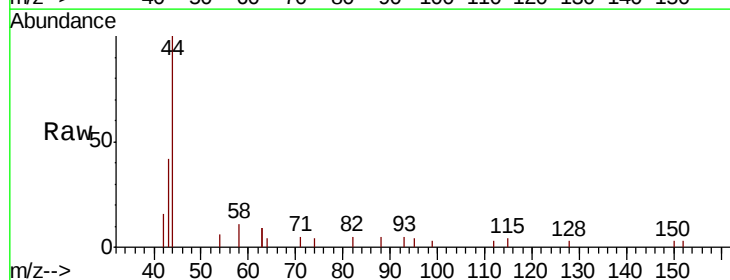
Tgt Ion: 93 Resp: 66

Ion Ratio Lower Upper

93 100

63 75.8 264.4 396.6#

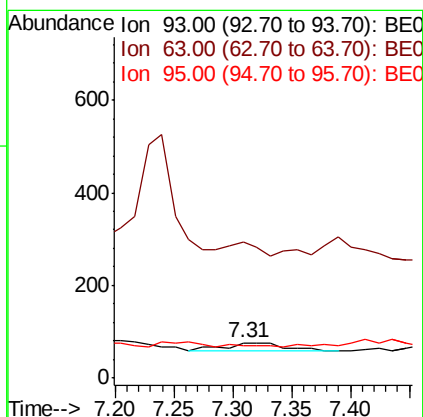
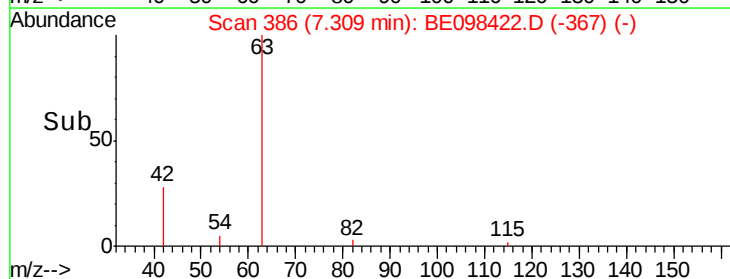
95 21.2 26.6 40.0#

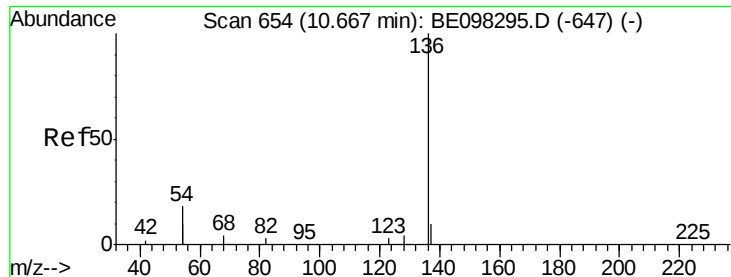


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

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Tgt Ion: 136 Resp: 4163

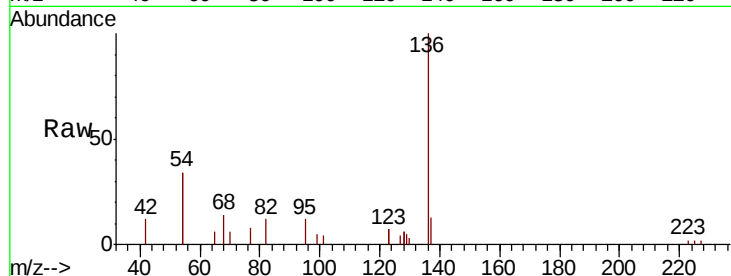
Ion Ratio Lower Upper

136 100

137 13.5 9.2 13.8

54 68.5 28.4 42.6#

68 14.2 5.4 8.0#

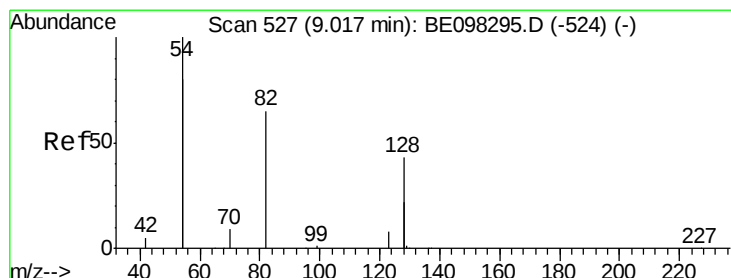
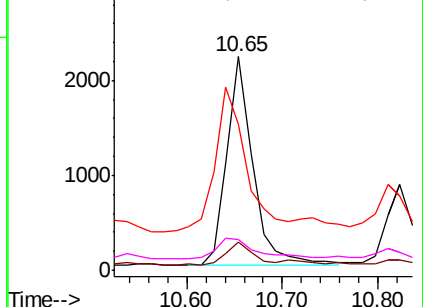
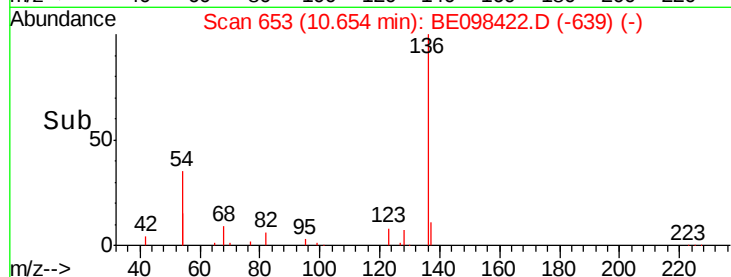


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.036 ng

RT: 9.12 min Scan# 535

Delta R.T. 0.10 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

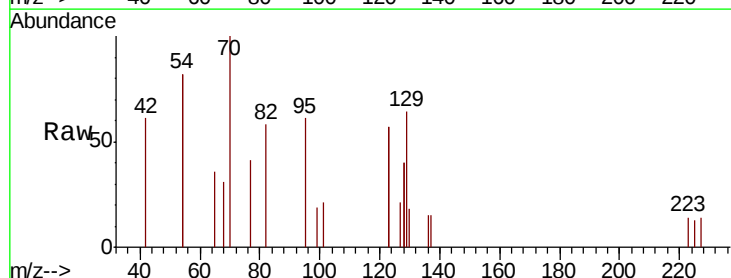
Tgt Ion: 82 Resp: 137

Ion Ratio Lower Upper

82 100

128 140.3 102.4 153.6

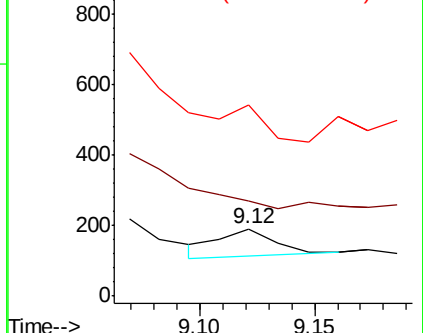
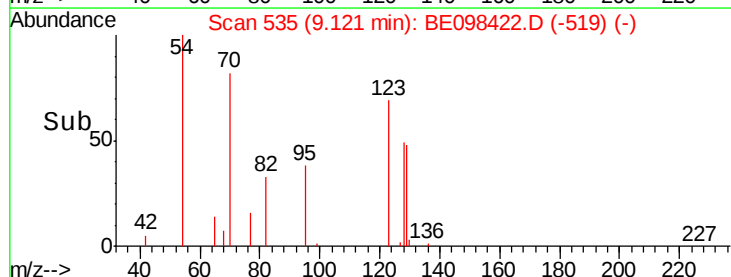
54 283.8 221.8 332.8

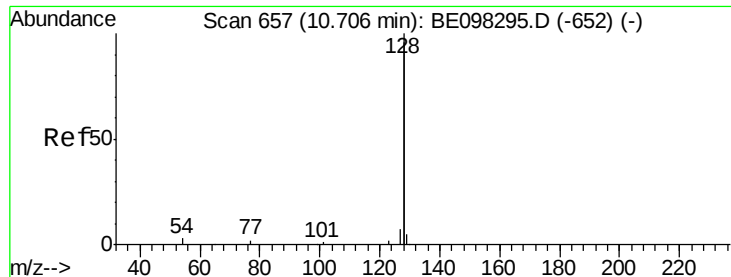


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.044 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

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ClientSampleId :

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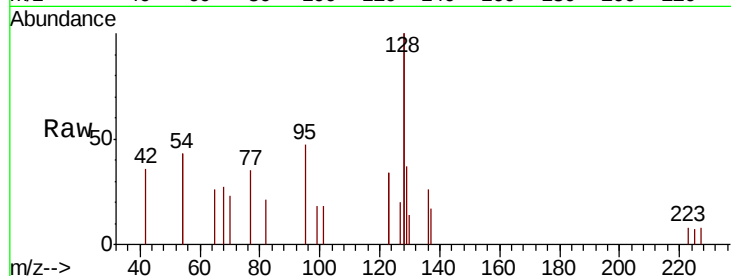
Tgt Ion:128 Resp: 1863

Ion Ratio Lower Upper

128 100

129 18.3 2.5 3.7#

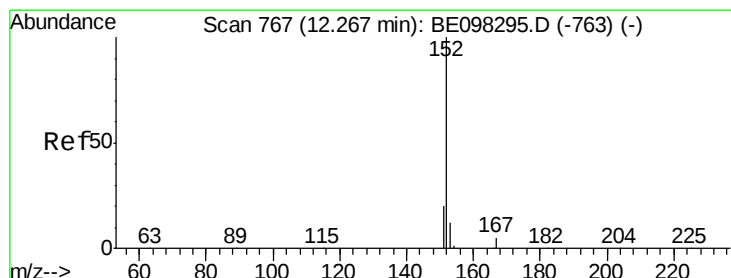
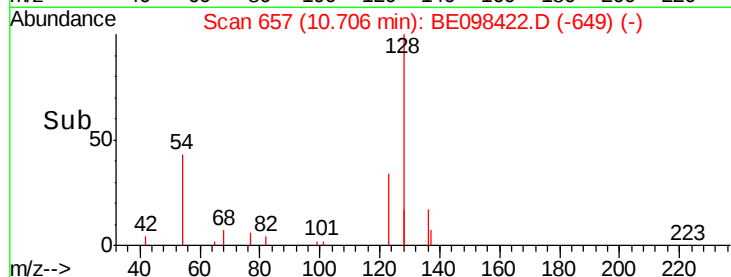
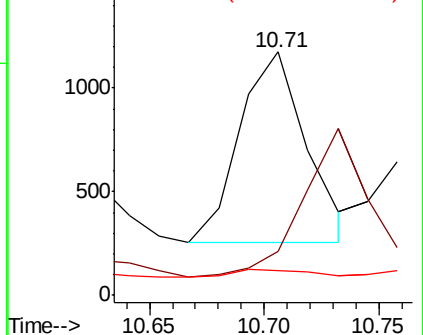
127 10.0 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.422 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098422.D

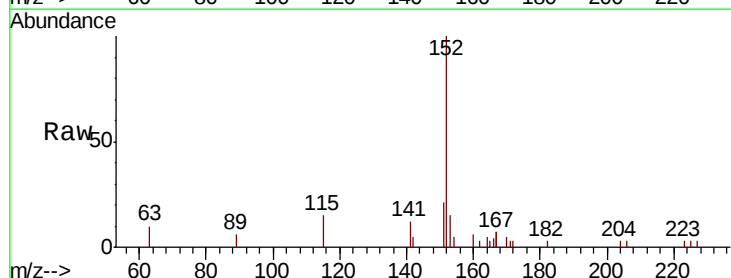
Acq: 14 Dec 2018 6:39

Tgt Ion:152 Resp: 2854

Ion Ratio Lower Upper

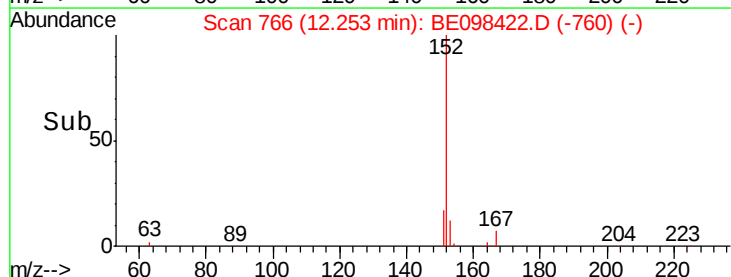
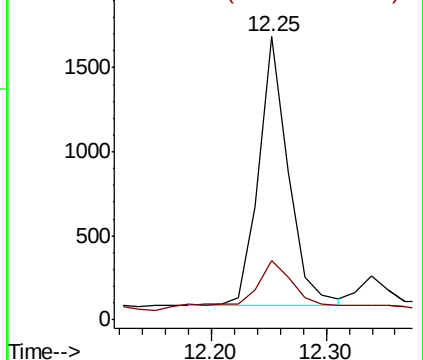
152 100

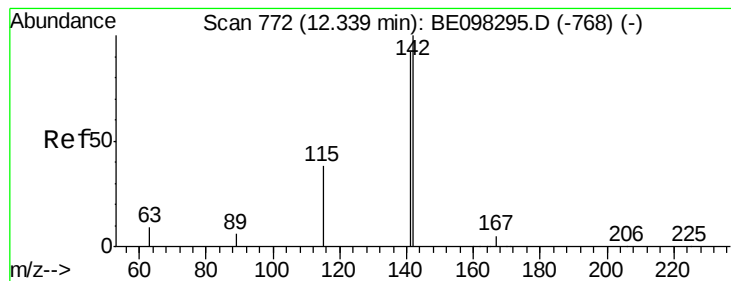
151 25.1 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.030 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20181208

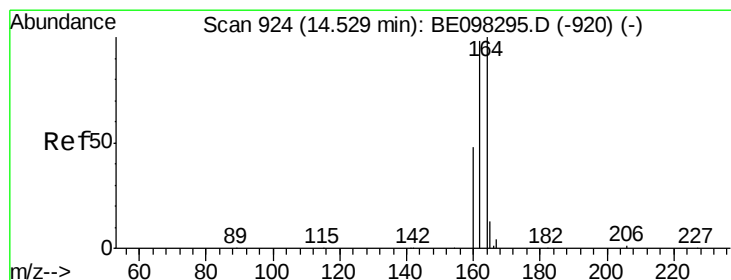
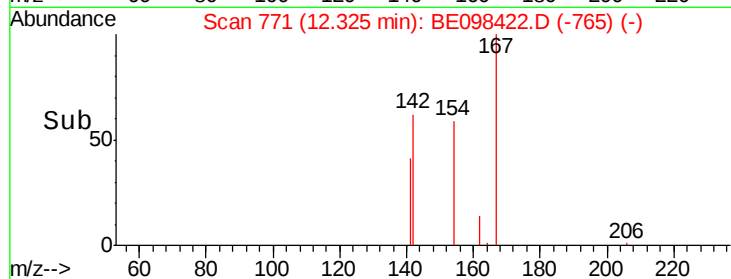
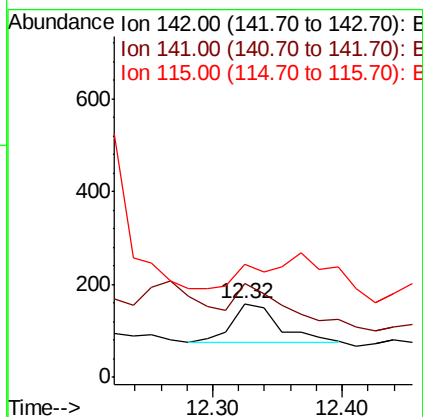
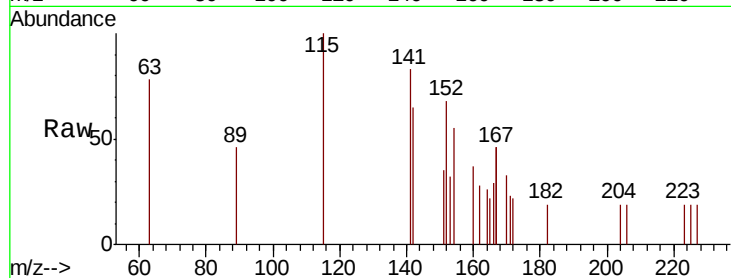
Tgt Ion:142 Resp: 201

Ion Ratio Lower Upper

142 100

141 126.4 71.0 106.6#

115 152.8 32.2 48.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

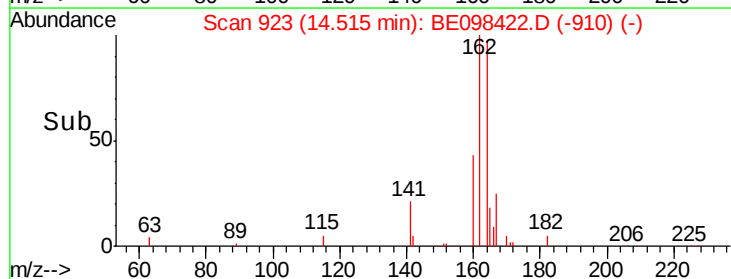
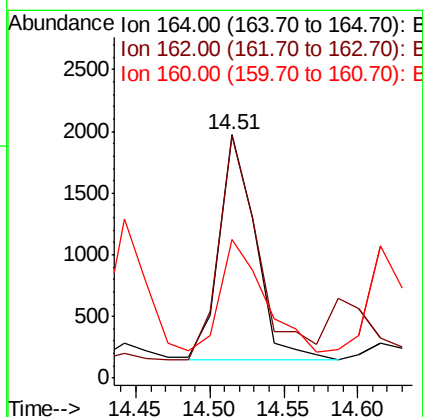
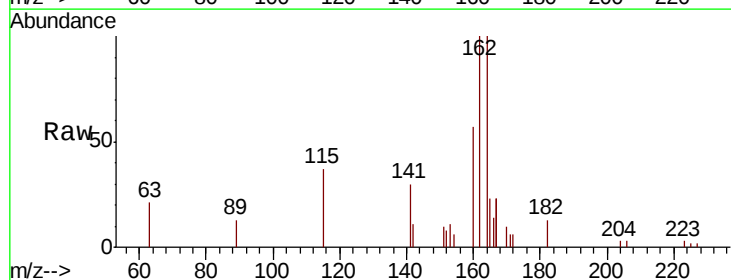
Tgt Ion:164 Resp: 3104

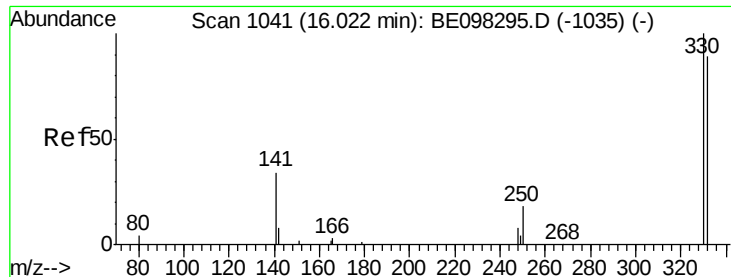
Ion Ratio Lower Upper

164 100

162 99.5 77.6 116.4

160 56.8 36.0 54.0#





#14

2,4,6-Tribromophenol

Concen: 0.834 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

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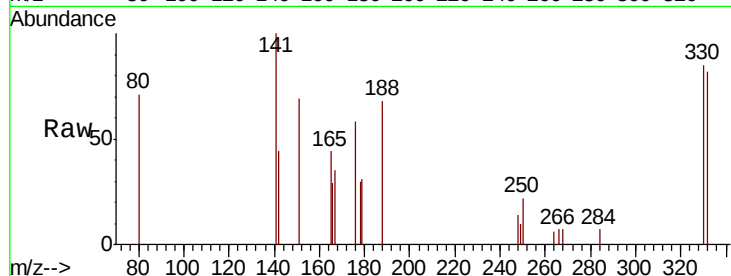
Tgt Ion:330 Resp: 950

Ion Ratio Lower Upper

330 100

332 93.1 76.2 114.4

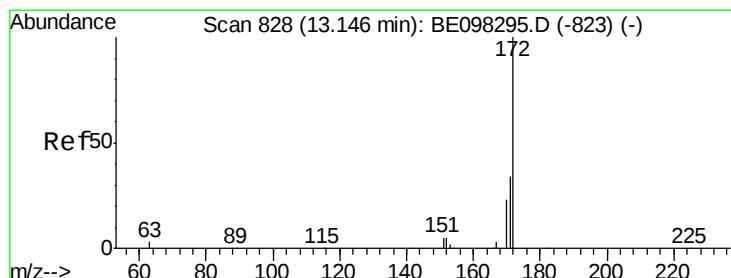
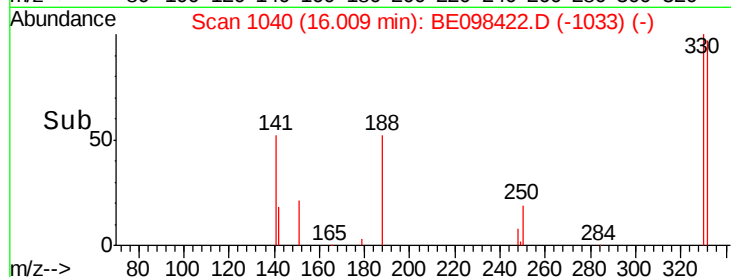
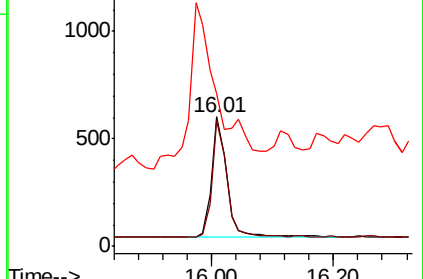
141 0.0 39.0 58.4#



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: 0.366 ng

RT: 13.13 min Scan# 827

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

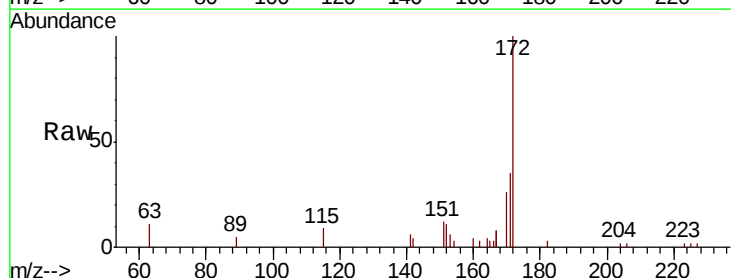
Tgt Ion:172 Resp: 4786

Ion Ratio Lower Upper

172 100

171 35.1 27.5 41.3

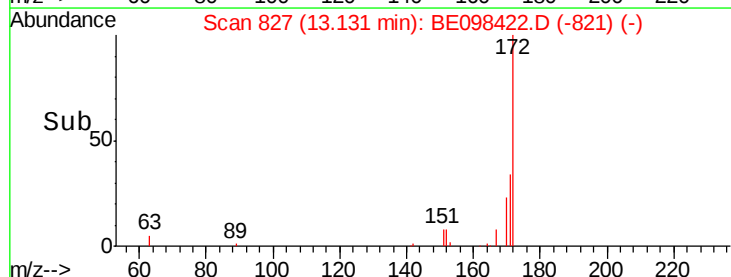
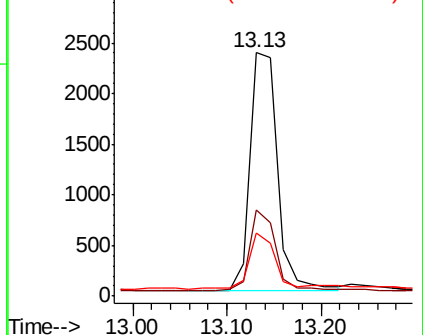
170 26.0 19.6 29.4

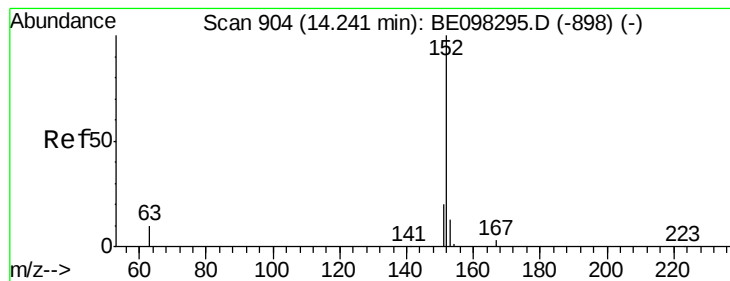


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.020 ng

RT: 14.21 min Scan# 902

Delta R.T. -0.03 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20181208

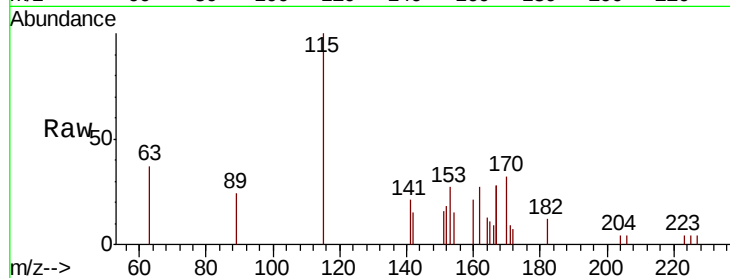
Tgt Ion:152 Resp: 297

Ion Ratio Lower Upper

152 100

151 20.2 15.5 23.3

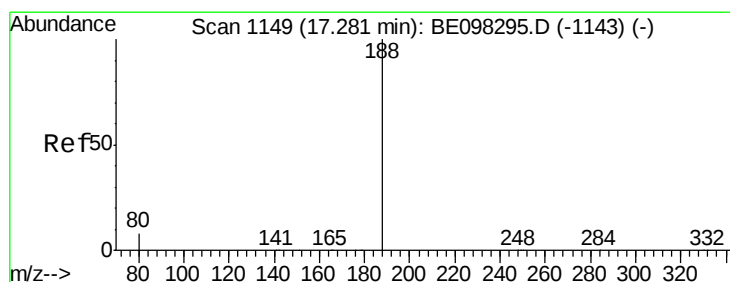
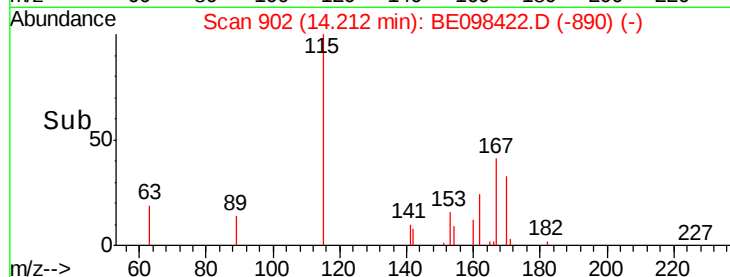
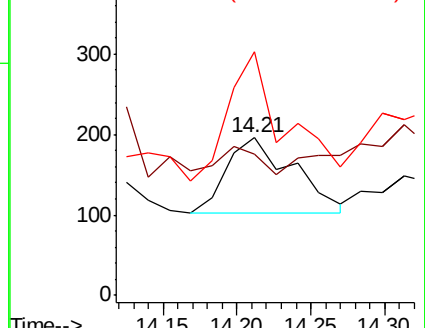
153 142.1 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

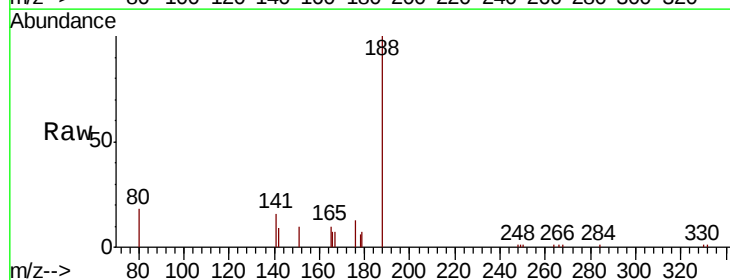
Tgt Ion:188 Resp: 7592

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

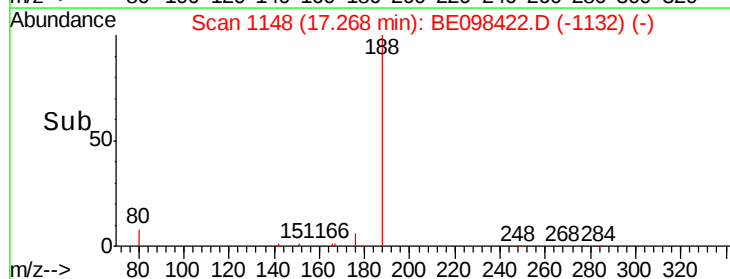
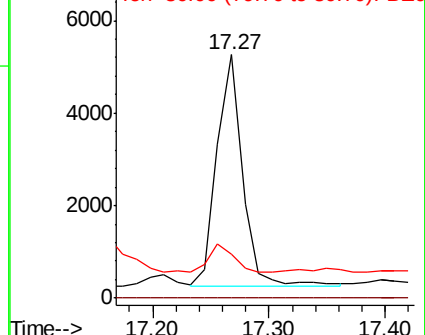
80 18.0 7.2 10.8#

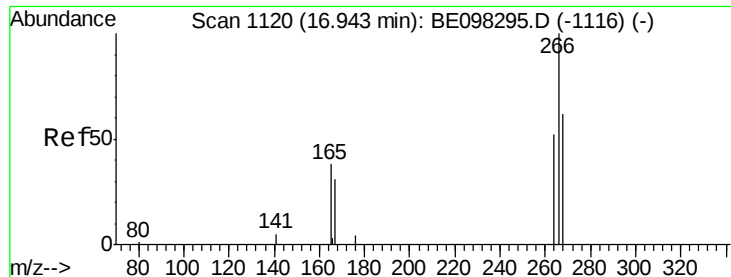


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

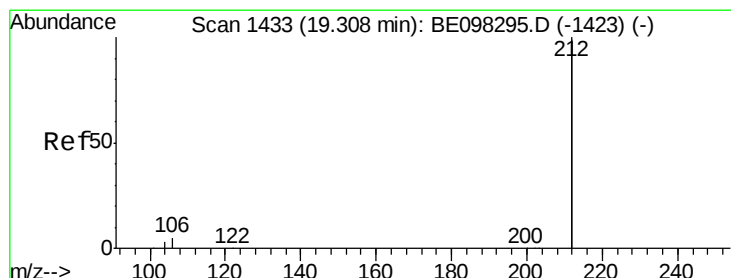
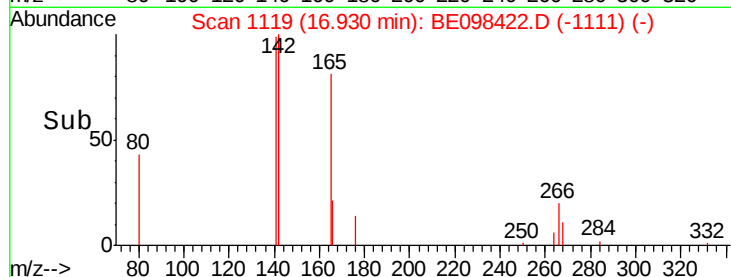
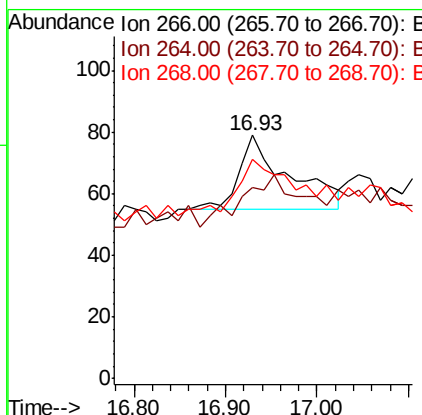
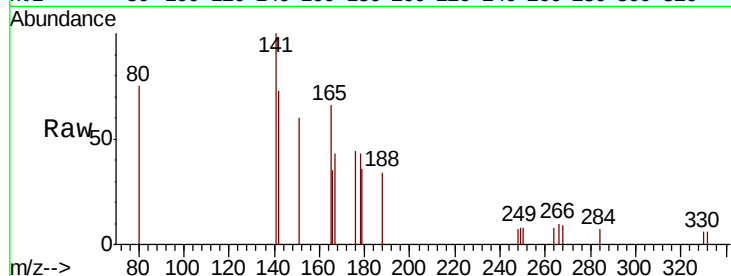




#22
 Pentachlorophenol
 Concen: 0.148 ng
 RT: 16.93 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BE098422.D
 Acq: 14 Dec 2018 6:39

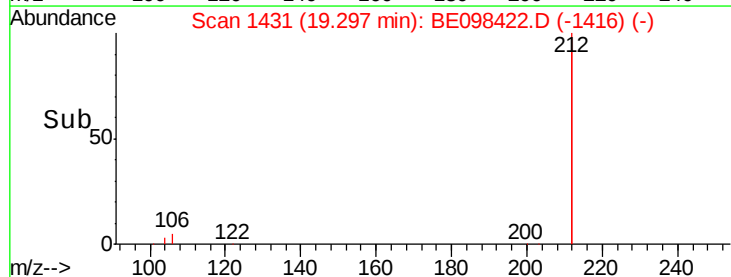
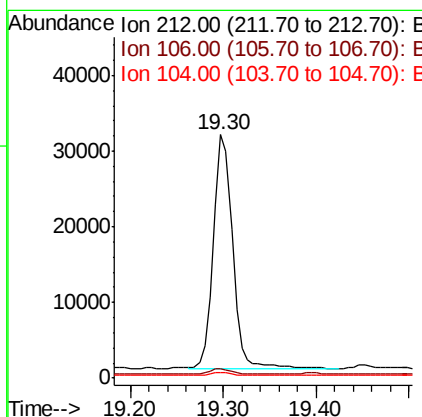
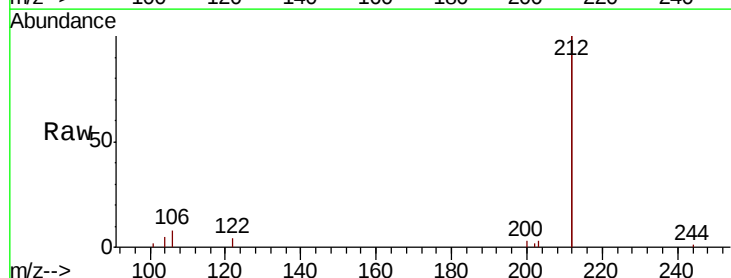
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW10-20181208

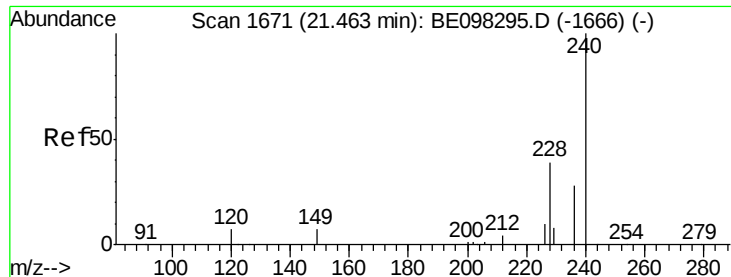
Tgt Ion: 266 Resp: 90
 Ion Ratio Lower Upper
 266 100
 264 78.5 59.0 88.4
 268 89.9 55.1 82.7#



#25
 Fluoranthene-d10
 Concen: 0.454 ng
 RT: 19.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BE098422.D
 Acq: 14 Dec 2018 6:39

Tgt Ion: 212 Resp: 44257
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.7 1.3 1.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20181208

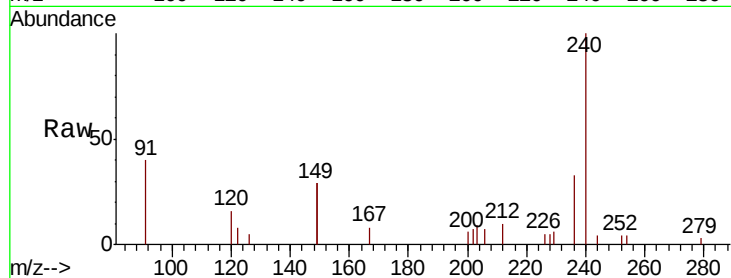
Tgt Ion:240 Resp: 8406

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

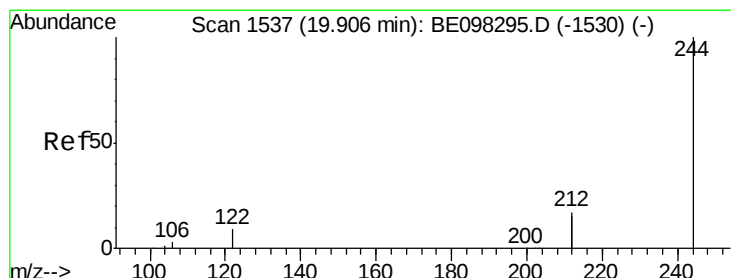
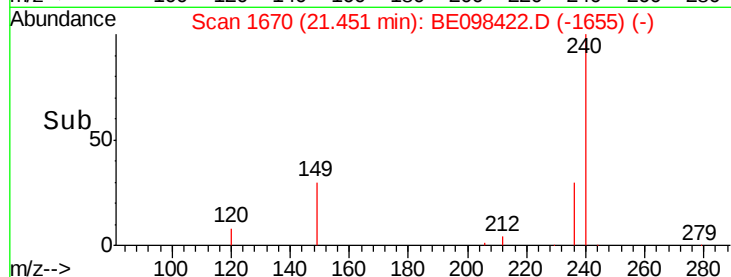
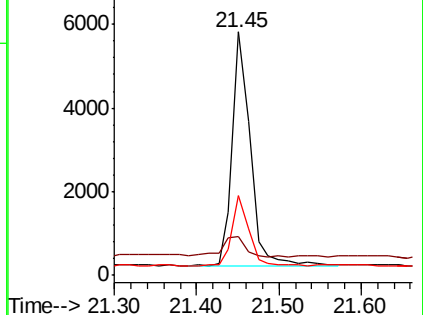
236 32.6 22.7 34.1



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: 0.395 ng

RT: 19.89 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

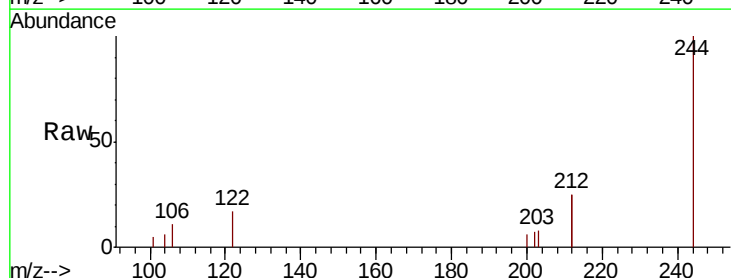
Tgt Ion:244 Resp: 8064

Ion Ratio Lower Upper

244 100

212 50.4 27.4 41.0#

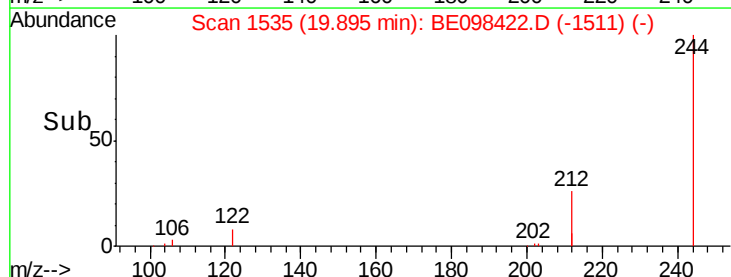
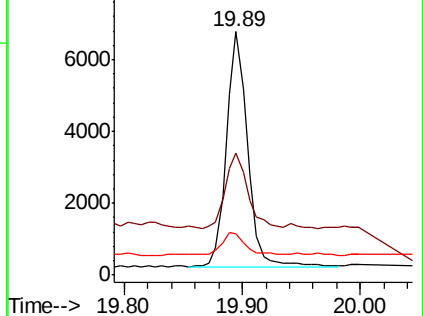
122 17.0 8.3 12.5#

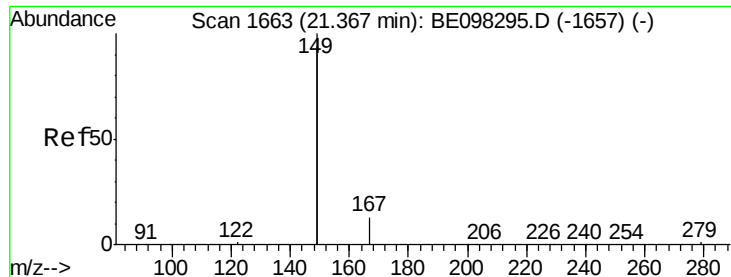


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.106 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20181208

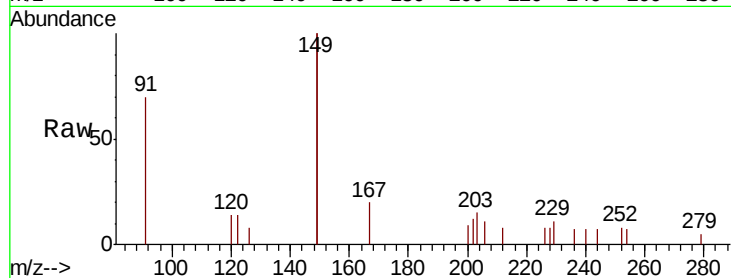
Tgt Ion:149 Resp: 5155

Ion Ratio Lower Upper

149 100

167 8.9 5.7 8.5#

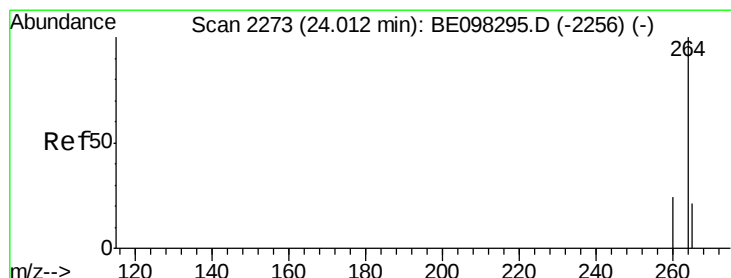
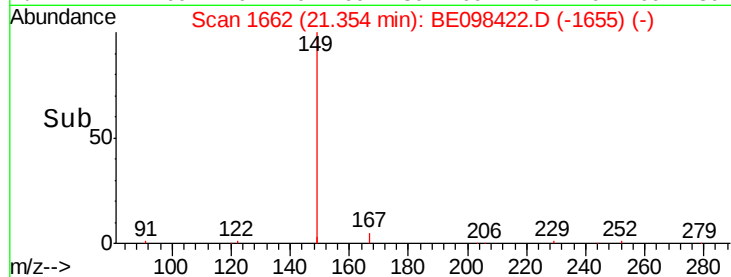
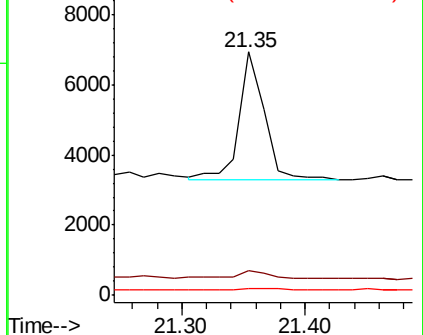
279 1.8 1.0 1.4#



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: 23.99 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BE098422.D

Acq: 14 Dec 2018 6:39

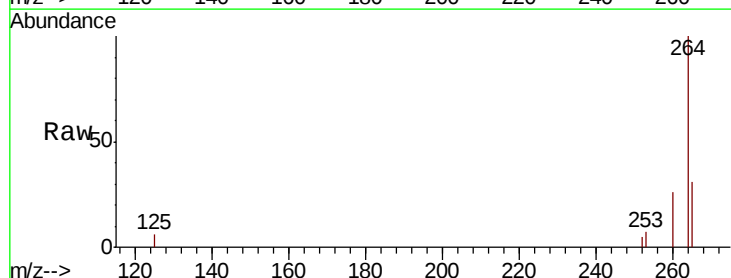
Tgt Ion:264 Resp: 8200

Ion Ratio Lower Upper

264 100

260 26.3 20.2 30.2

265 31.0 25.2 37.8



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

