

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
 Data File : BE098374.D
 Acq On : 12 Dec 2018 23:06
 Operator : SJ/JU
 Sample : J6324-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-109D2-20181206

Quant Time: Dec 13 07:11:59 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

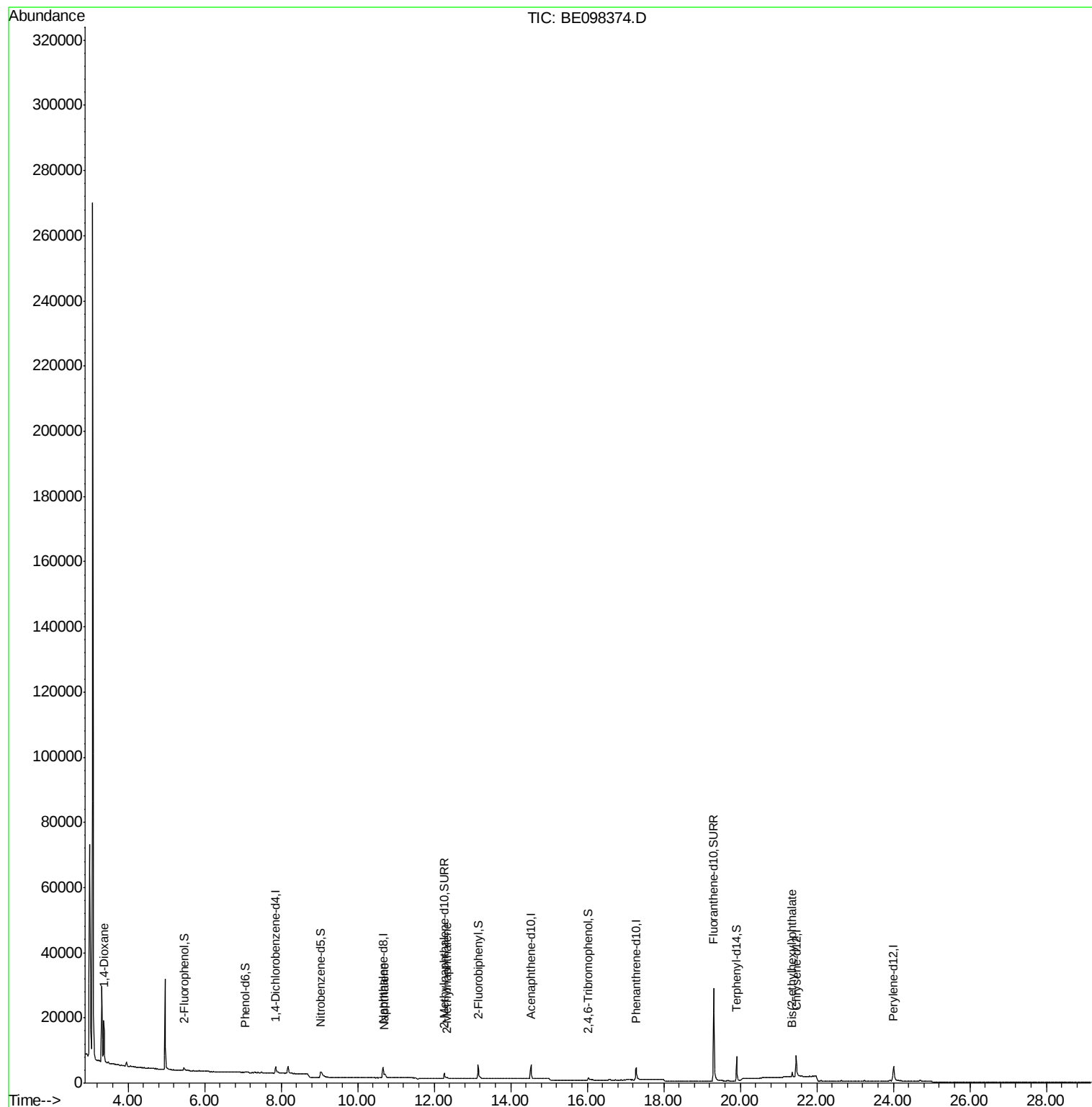
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1340	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5492	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3207	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	8060	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9145	0.40	ng	0.00
34) Perylene-d12	24.01	264	8584	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	661	0.21	ng	0.00
5) Phenol-d6	7.07	99	500	0.11	ng	0.02
8) Nitrobenzene-d5	9.04	82	1910	0.38	ng	0.03
11) 2-Methylnaphthalene-d10	12.27	152	3733	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	592	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6254	0.46	ng	0.00
25) Fluoranthene-d10	19.31	212	46161	0.45	ng	0.00
29) Terphenyl-d14	19.90	244	8165	0.37	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.37	88	7039	3.037	ng	98
9) Naphthalene	10.71	128	1613	0.029	ng	# 82
12) 2-Methylnaphthalene	12.34	142	322	0.036	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.35	149	1944	0.037	ng	# 99

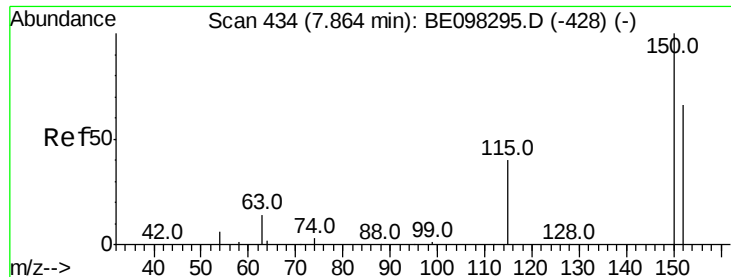
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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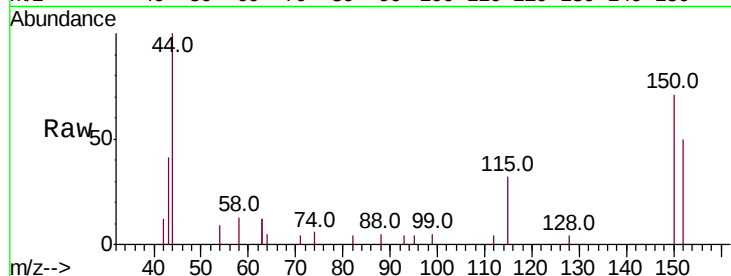


#1

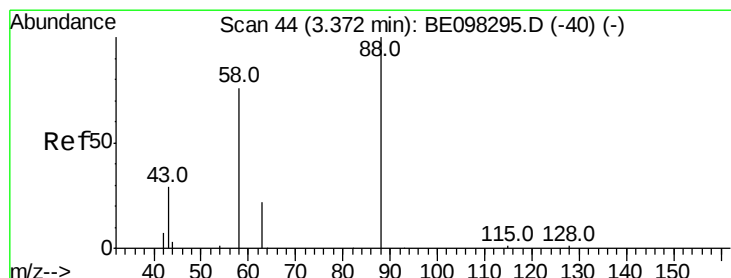
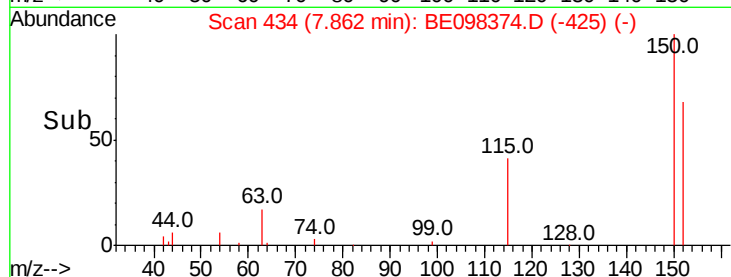
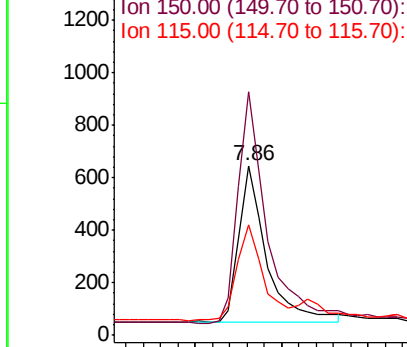
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098374.D
Acq: 12 Dec 2018 23:06

Instrument :
BNA_E
ClientSampleId :
RE-109D2-20181206

Tot Ion:152 Resp: 1340
Ion Ratio Lower Upper
152 100
150 143.5 124.2 186.4
115 65.0 53.9 80.9



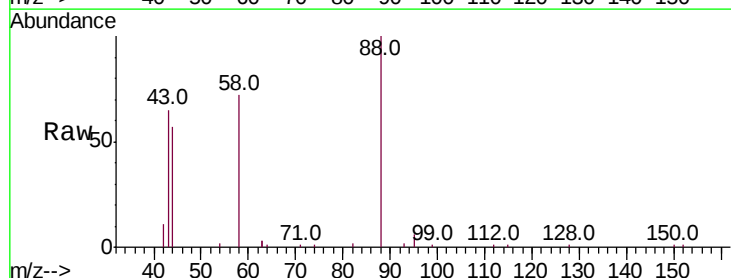
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



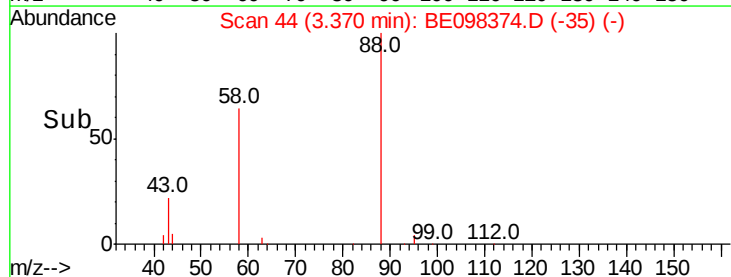
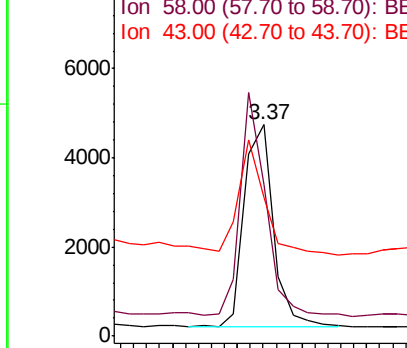
#2

1,4-Dioxane
Concen: 3.037 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098374.D
Acq: 12 Dec 2018 23:06

Tgt Ion: 88 Resp: 7039
Ion Ratio Lower Upper
88 100
58 94.4 75.0 112.6
43 51.3 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





#4

2-Fluorophenol

Concen: 0.211 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

Instrument :

BNA_E

ClientSampleId :

RE-109D2-20181206

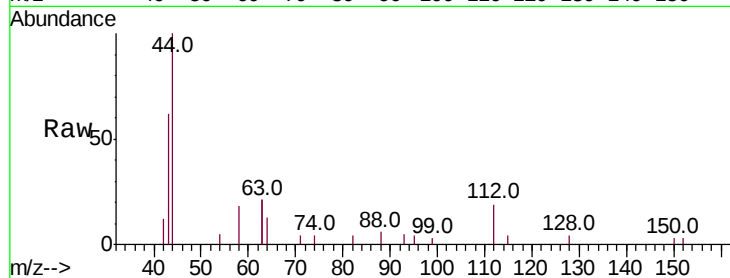
Tot Ion:112 Resp: 661

Ion Ratio Lower Upper

112 100

64 73.2 59.8 89.8

63 172.5 133.7 200.5



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

800

600

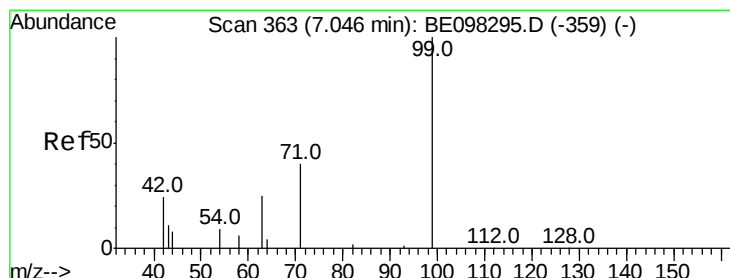
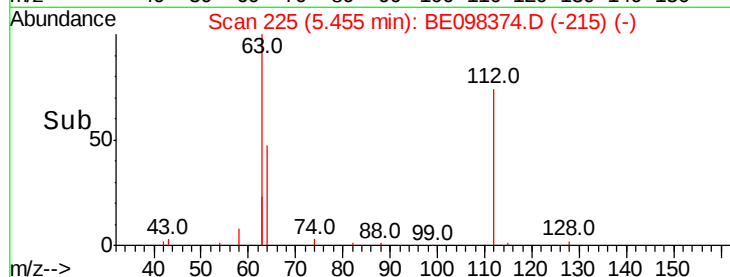
400

200

0

5.30 5.40 5.50 5.60 5.70

Time-->



#5

Phenol-d6

Concen: 0.113 ng

RT: 7.07 min Scan# 365

Delta R.T. 0.02 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

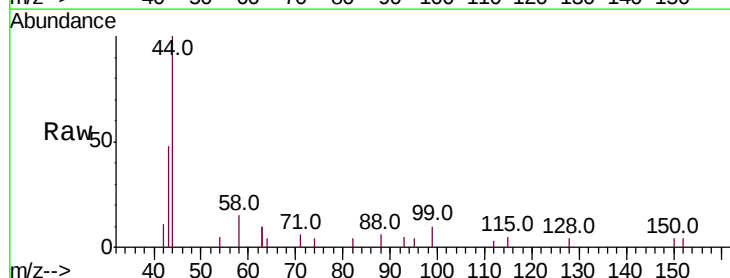
Tgt Ion: 99 Resp: 500

Ion Ratio Lower Upper

99 100

42 0.0 26.3 39.5#

71 26.2 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

200

150

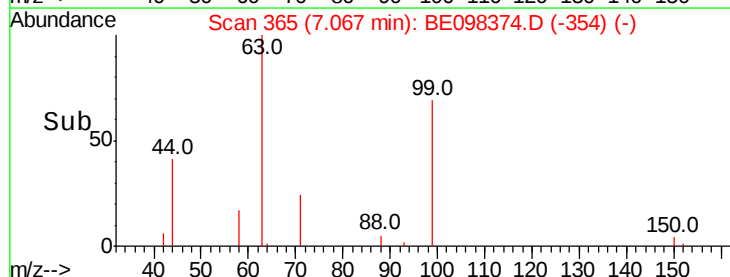
100

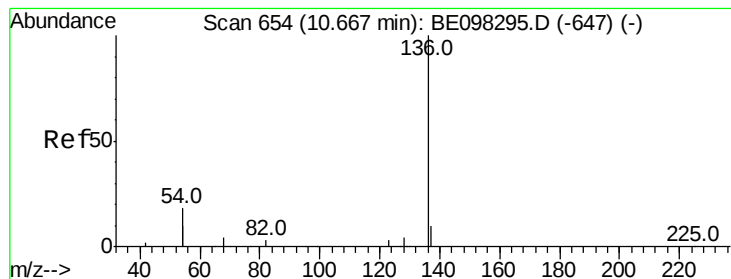
50

0

6.90 7.00 7.10 7.20 7.30

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

Instrument :

BNA_E

ClientSampleId :

RE-109D2-20181206

Tot Ion:136 Resp: 5492

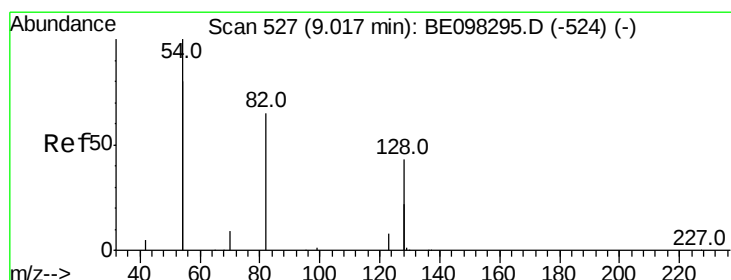
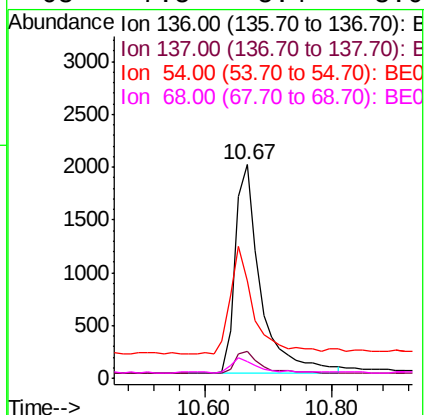
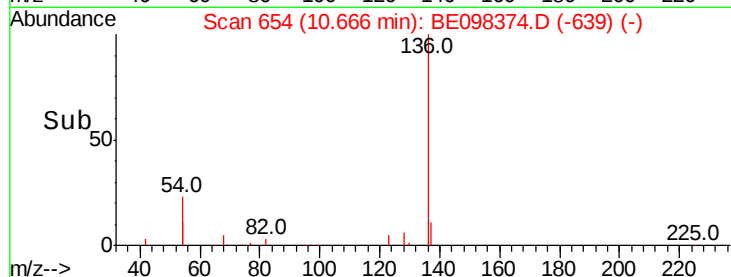
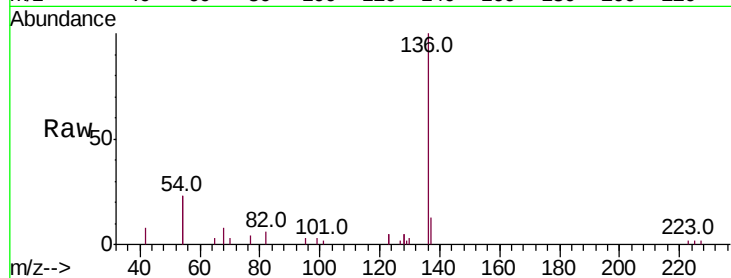
Ion Ratio Lower Upper

136 100

137 12.8 9.2 13.8

54 45.6 28.4 42.6#

68 7.5 5.4 8.0



#8

Nitrobenzene-d5

Concen: 0.382 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

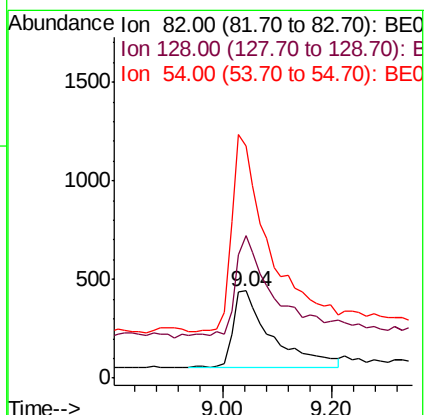
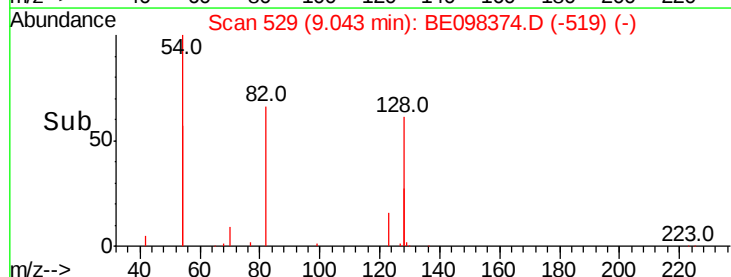
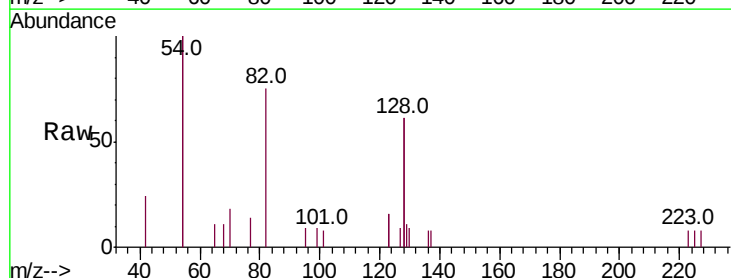
Tgt Ion: 82 Resp: 1910

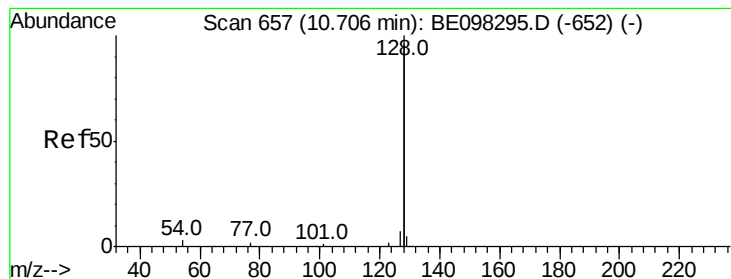
Ion Ratio Lower Upper

82 100

128 163.3 102.4 153.6#

54 265.6 221.8 332.8





#9

Naphthalene

Concen: 0.029 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

Instrument :

BNA_E

ClientSampleId :

RE-109D2-20181206

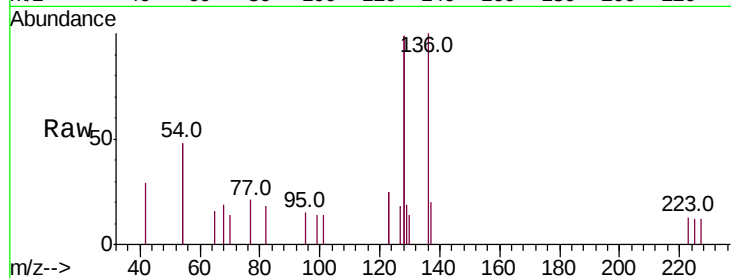
Tot Ion:128 Resp: 1613

Ion Ratio Lower Upper

128 100

129 9.7 2.5 3.7#

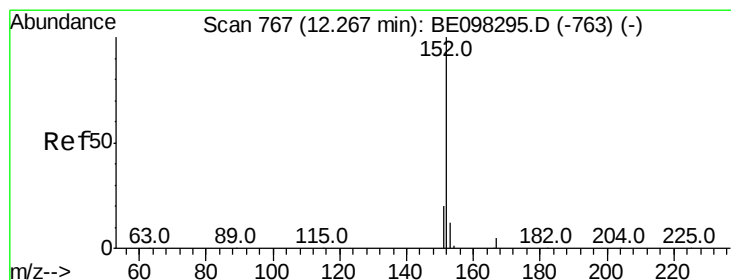
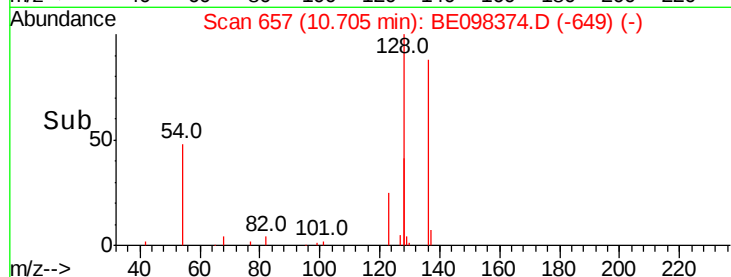
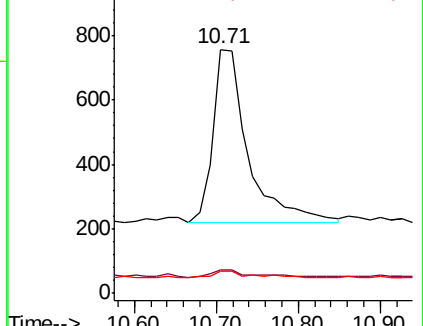
127 9.0 2.7 4.1#



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: 0.418 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098374.D

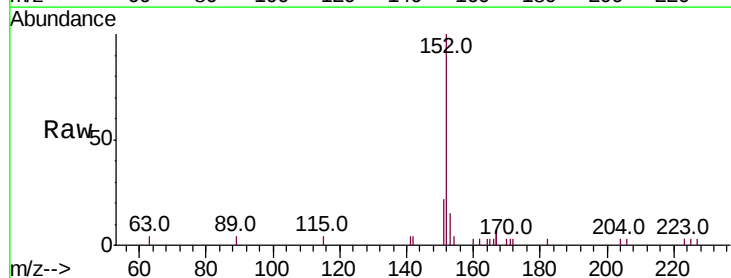
Acq: 12 Dec 2018 23:06

Tgt Ion:152 Resp: 3733

Ion Ratio Lower Upper

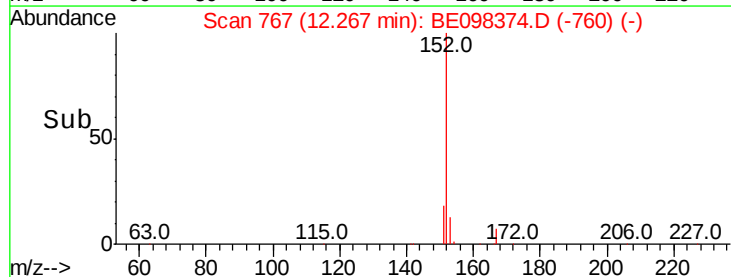
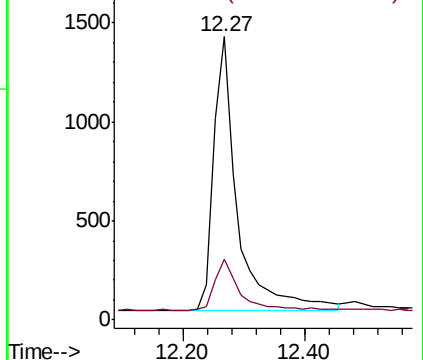
152 100

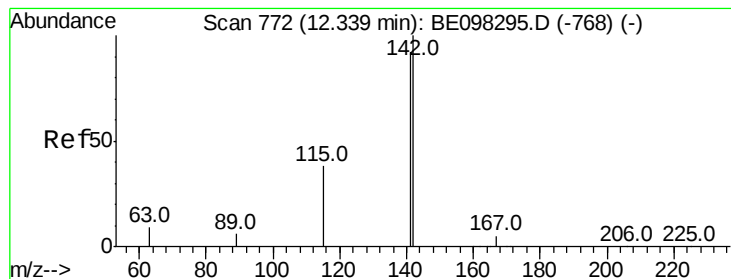
151 19.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.036 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

Instrument :

BNA_E

ClientSampleId :

RE-109D2-20181206

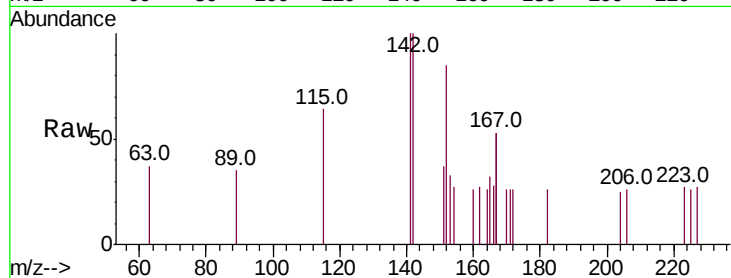
Tot Ion:142 Resp: 322

Ion Ratio Lower Upper

142 100

141 100.0 71.0 106.6

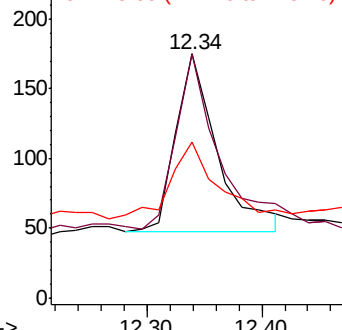
115 64.0 32.2 48.2#



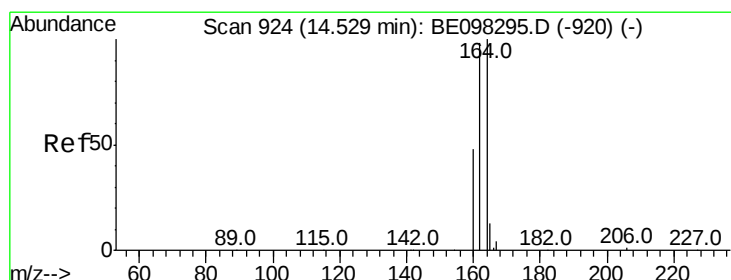
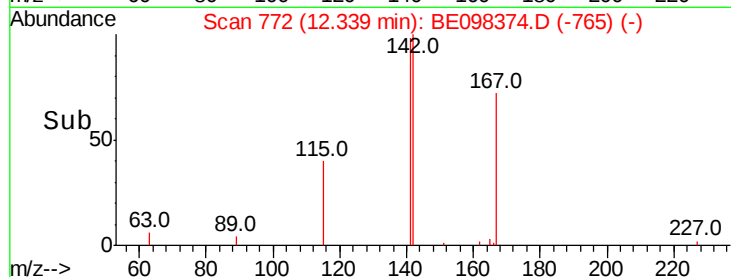
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

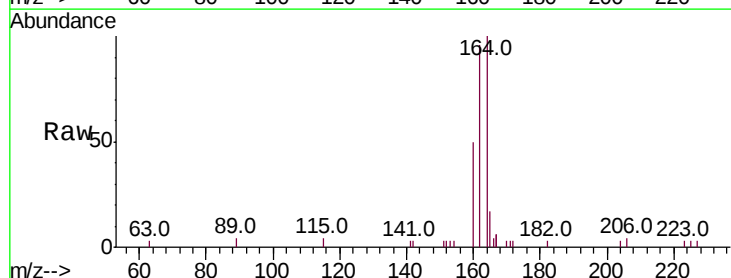
Tgt Ion:164 Resp: 3207

Ion Ratio Lower Upper

164 100

162 95.9 77.6 116.4

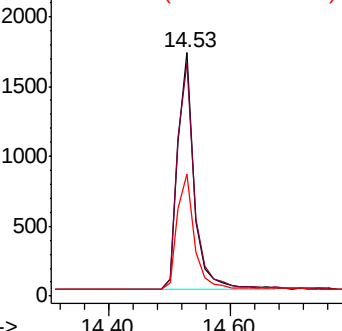
160 50.2 36.0 54.0



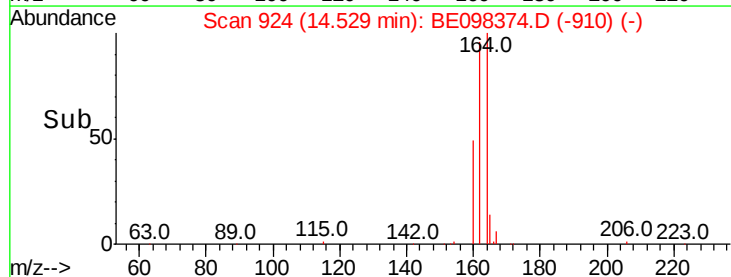
Abundance Ion 164.00 (163.70 to 164.70): E

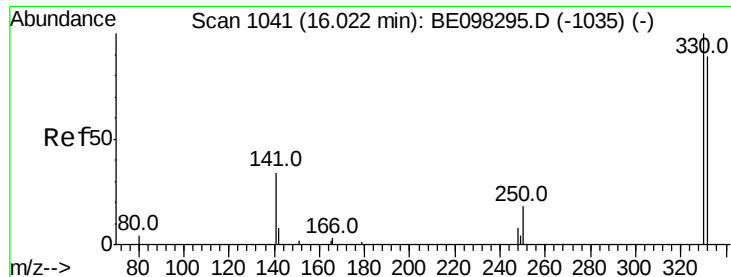
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

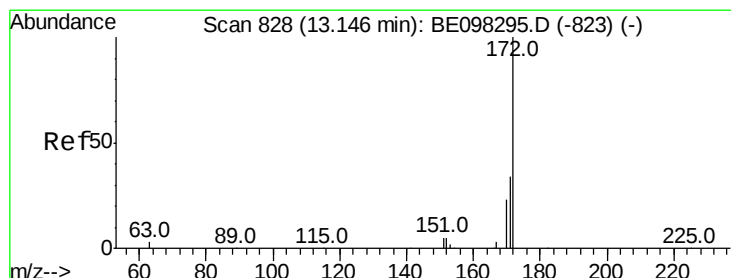
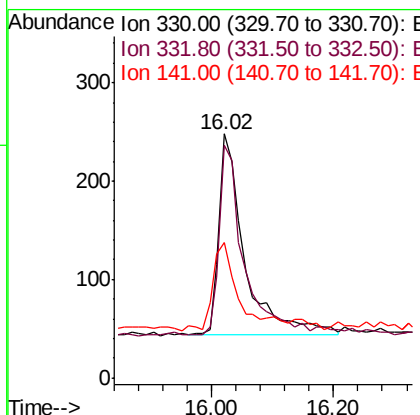
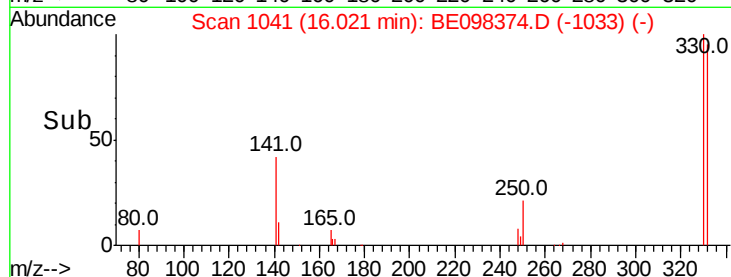
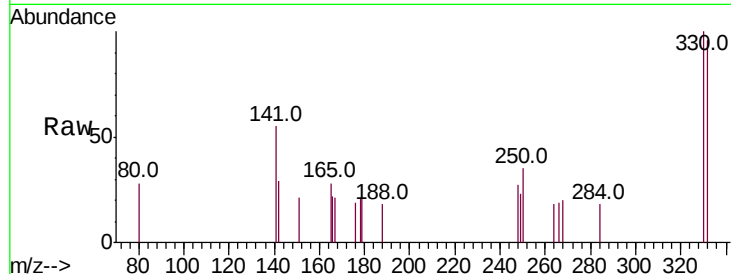




#14
 2,4,6-Tribromophenol
 Concen: 0.503 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098374.D
 Acq: 12 Dec 2018 23:06

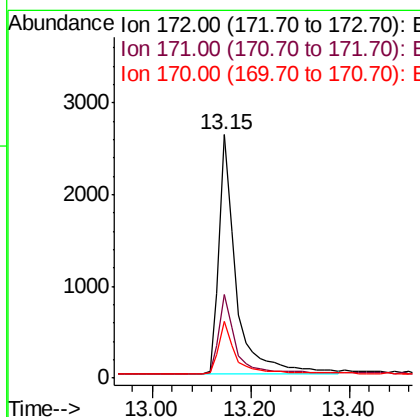
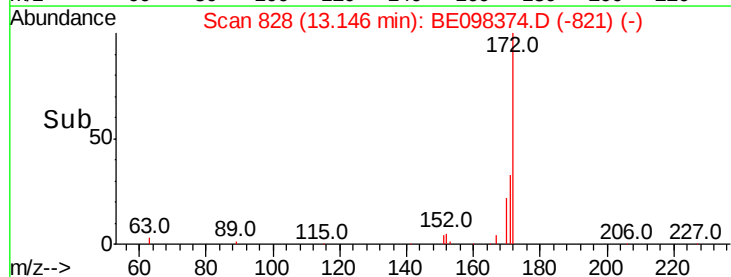
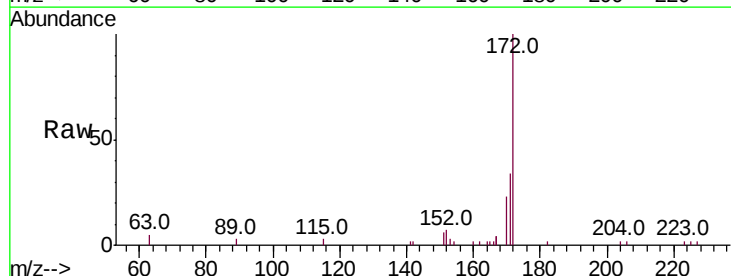
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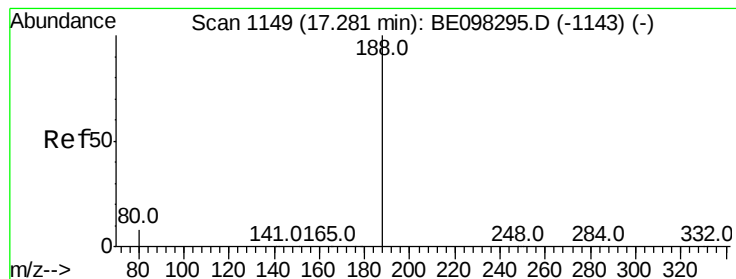
Tot Ion:330 Resp: 592
 Ion Ratio Lower Upper
 330 100
 332 90.0 76.2 114.4
 141 44.8 39.0 58.4



#15
 2-Fluorobiphenyl
 Concen: 0.462 ng
 RT: 13.15 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BE098374.D
 Acq: 12 Dec 2018 23:06

Tgt Ion:172 Resp: 6254
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.5 41.3
 170 23.4 19.6 29.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

Instrument :

BNA_E

ClientSampleId :

RE-109D2-20181206

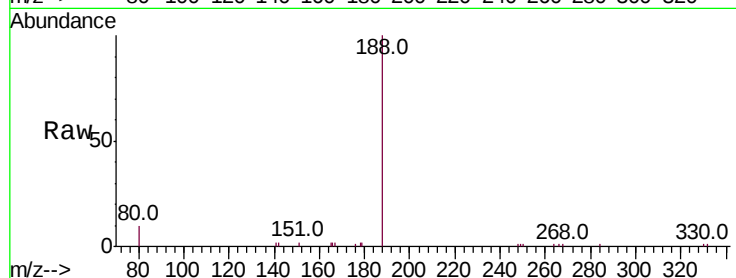
Tot Ion:188 Resp: 8060

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

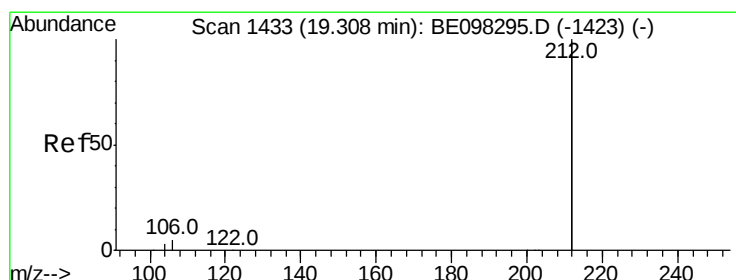
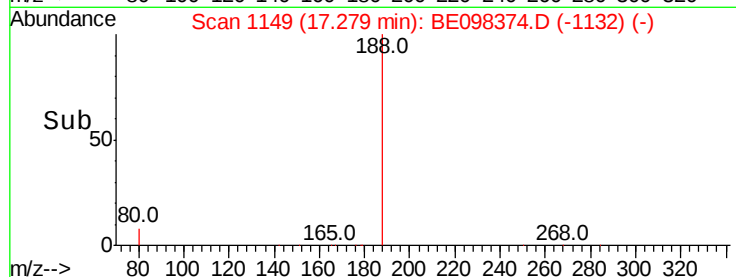
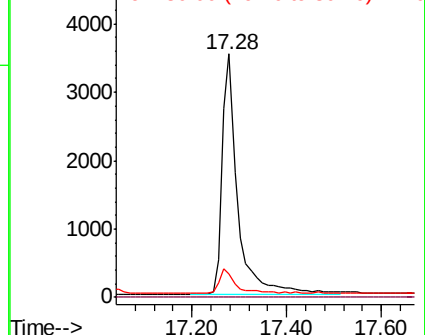
80 9.6 7.2 10.8



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



#25

Fluoranthene-d10

Concen: 0.446 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

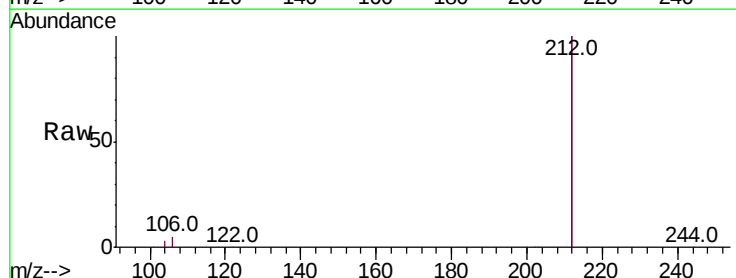
Tgt Ion:212 Resp: 46161

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

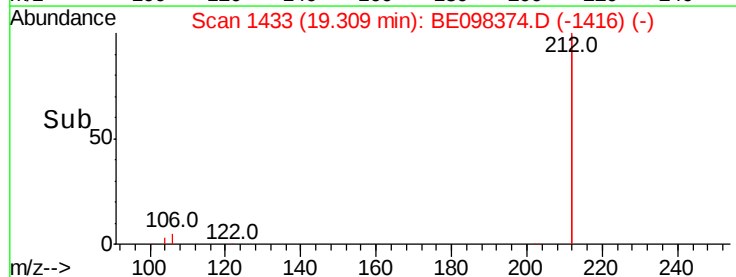
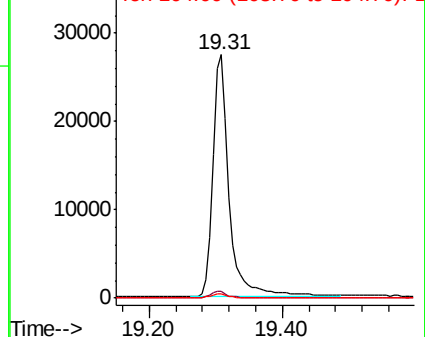
104 1.5 1.3 1.9

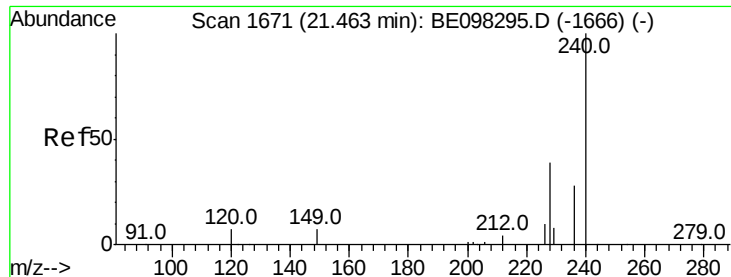


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

Instrument :

BNA_E

ClientSampleId :

RE-109D2-20181206

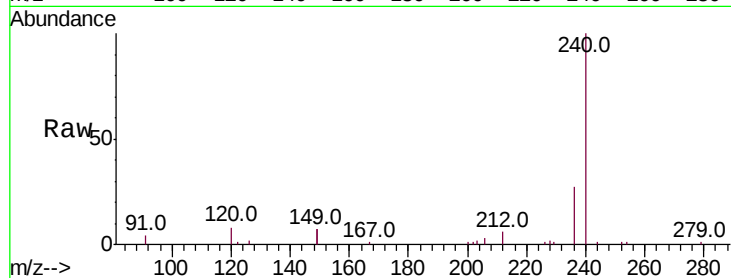
Tot Ion:240 Resp: 9145

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

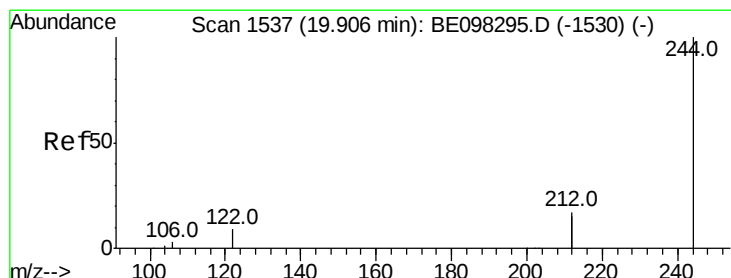
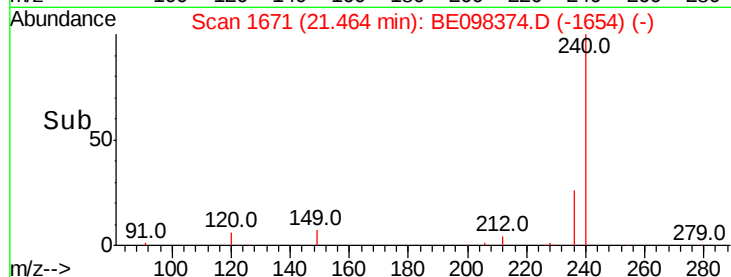
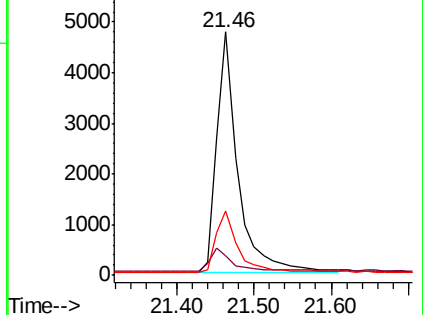
236 26.5 22.7 34.1



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: 0.367 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098374.D

Acq: 12 Dec 2018 23:06

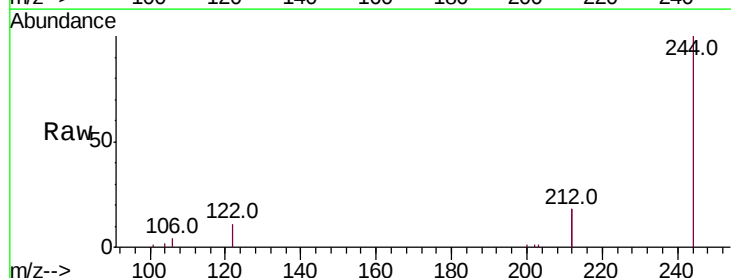
Tgt Ion:244 Resp: 8165

Ion Ratio Lower Upper

244 100

212 35.9 27.4 41.0

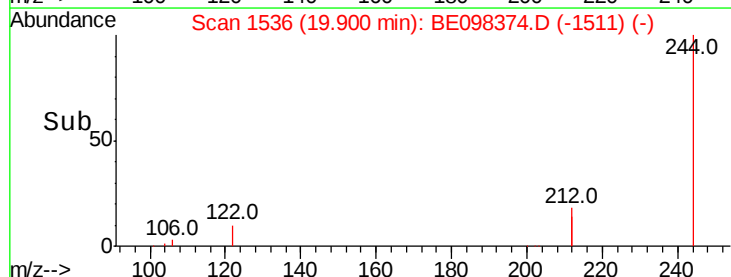
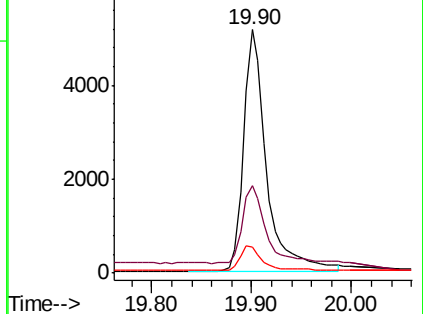
122 10.8 8.3 12.5

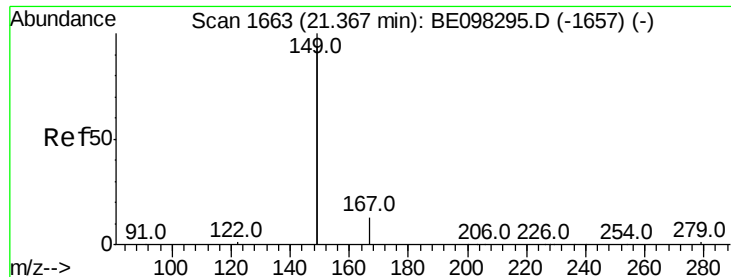


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

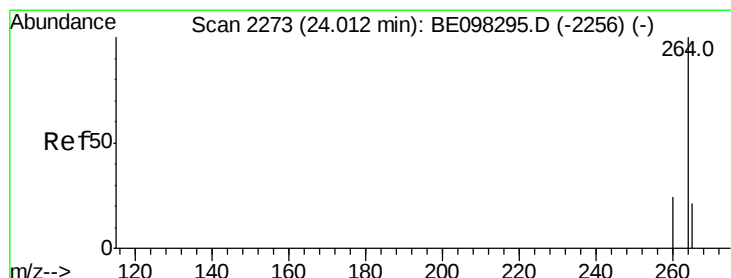
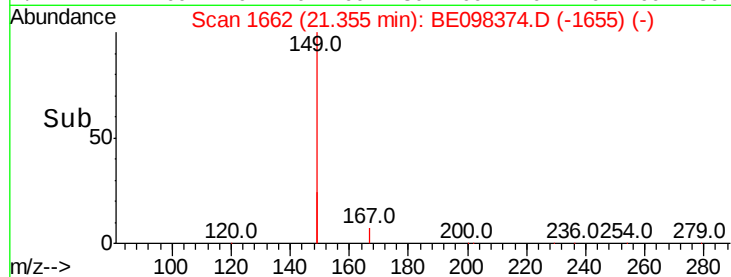
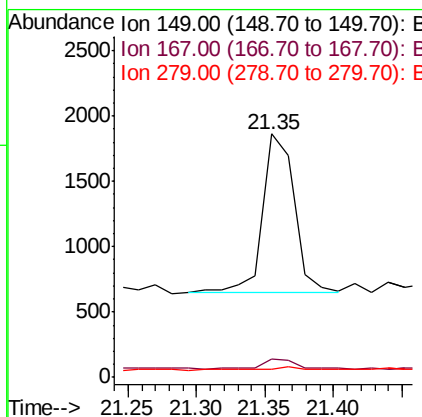
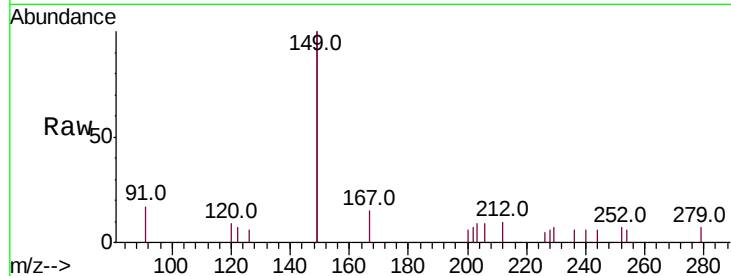




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.037 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098374.D
Acq: 12 Dec 2018 23:06

Instrument :
BNA_E
ClientSampleId :
RE-109D2-20181206

Tot Ion:149 Resp: 1944
Ion Ratio Lower Upper
149 100
167 7.6 5.7 8.5
279 1.4 1.0 1.4#



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BE098374.D
Acq: 12 Dec 2018 23:06

Tgt Ion:264 Resp: 8584
Ion Ratio Lower Upper
264 100
260 25.2 20.2 30.2
265 28.8 25.2 37.8

