

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121318\
 Data File : BE098400.D
 Acq On : 13 Dec 2018 17:08
 Operator : SJ/JU
 Sample : J6321-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EB01-20181207

Quant Time: Dec 13 20:47:26 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	964	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	3887	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2568	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	7009	0.40	ng	-0.01
27) Chrysene-d12	21.46	240	8290	0.40	ng	0.00
34) Perylene-d12	24.00	264	7898	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	393	0.17	ng	0.01
5) Phenol-d6	7.04	99	365	0.11	ng	-0.01
8) Nitrobenzene-d5	9.04	82	1381	0.39	ng	0.02
11) 2-Methylnaphthalene-d10	12.27	152	2474	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	441	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4359	0.40	ng	0.00
25) Fluoranthene-d10	19.30	212	37621	0.42	ng	0.00
29) Terphenyl-d14	19.90	244	7680	0.38	ng	0.00

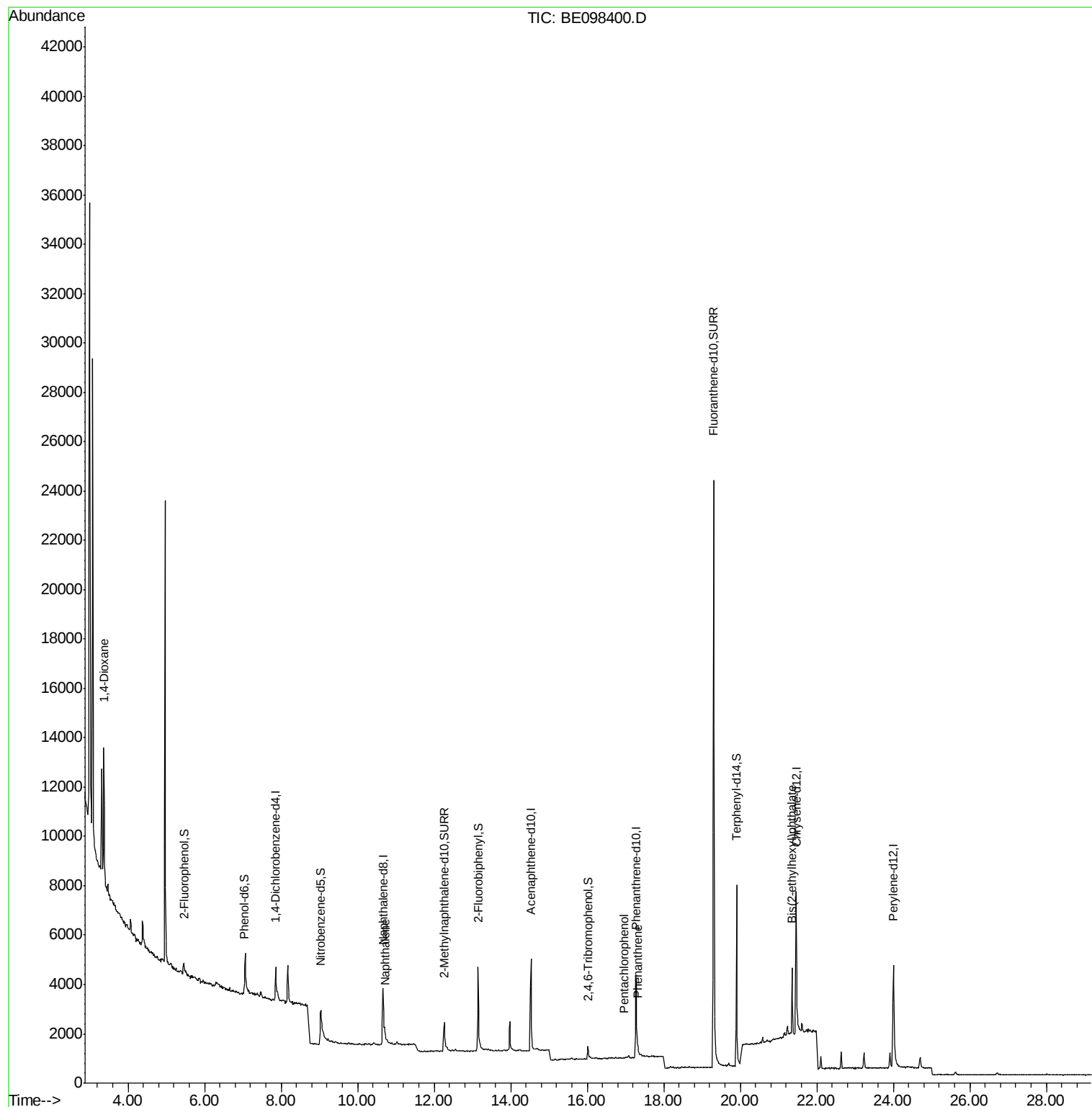
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	2764	1.658	ng	# 89
9) Naphthalene	10.72	128	854	0.022	ng	# 77
22) Pentachlorophenol	16.95	266	13	0.037	ng	# 62
23) Phenanthrene	17.31	178	401	0.024	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.35	149	3249	0.068	ng	# 99

(#) = 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

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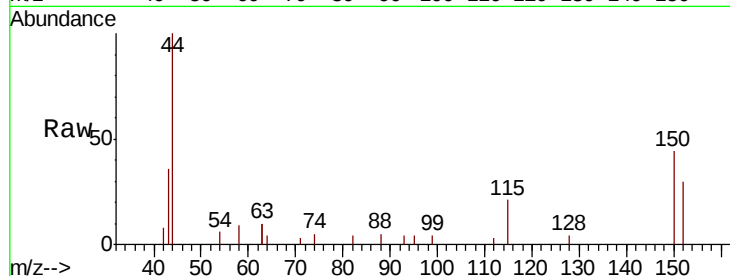
Tgt Ion:152 Resp: 964

Ion Ratio Lower Upper

152 100

150 147.8 124.2 186.4

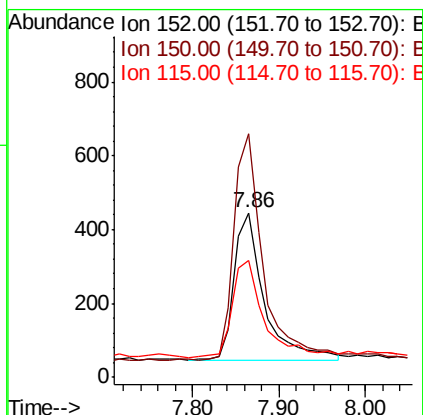
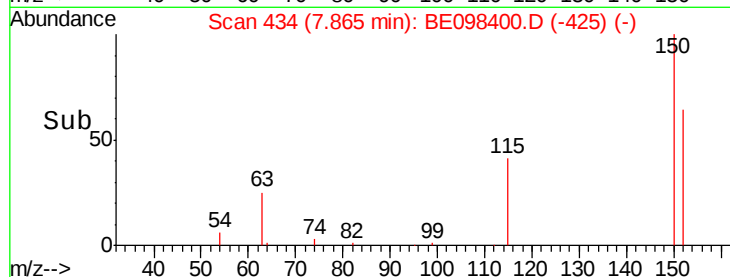
115 70.6 53.9 80.9



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: 1.658 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

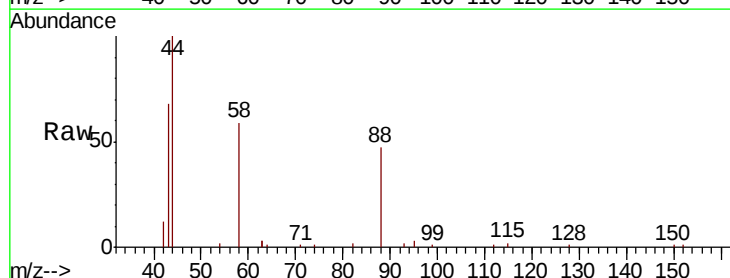
Tgt Ion: 88 Resp: 2764

Ion Ratio Lower Upper

88 100

58 101.6 75.0 112.6

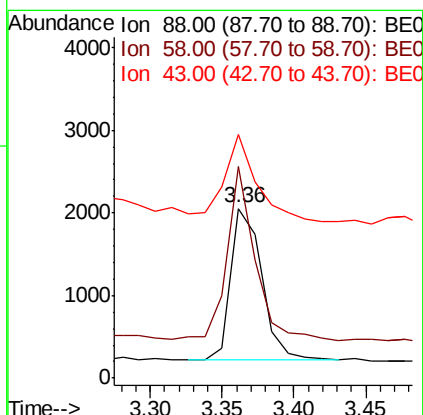
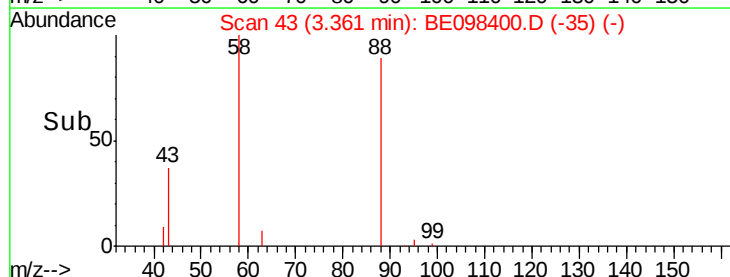
43 60.2 38.3 57.5#



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: 0.174 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

Instrument :

BNA_E

ClientSampleId :

EB01-20181207

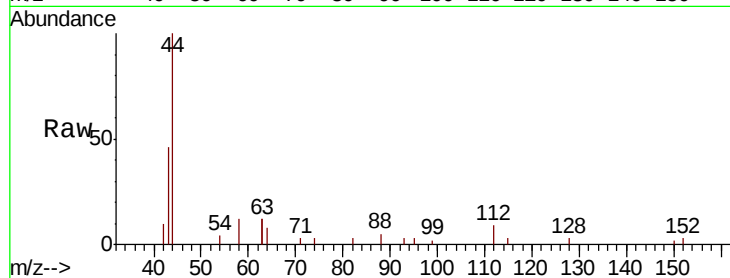
Tgt Ion: 112 Resp: 393

Ion Ratio Lower Upper

112 100

64 99.2 59.8 89.8#

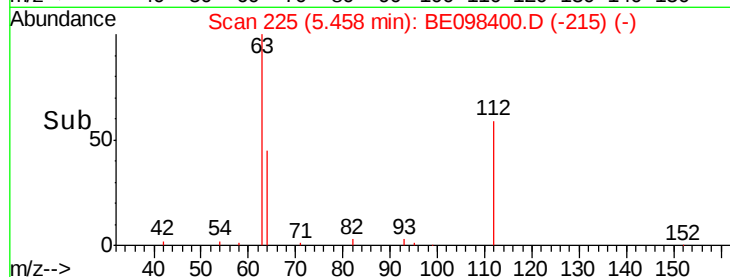
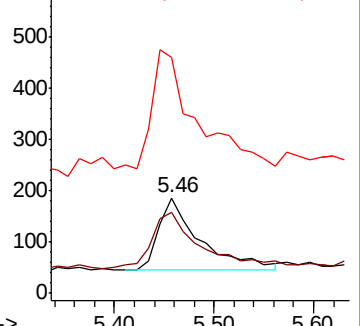
63 178.4 133.7 200.5



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



#5

Phenol-d6

Concen: 0.114 ng

RT: 7.04 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

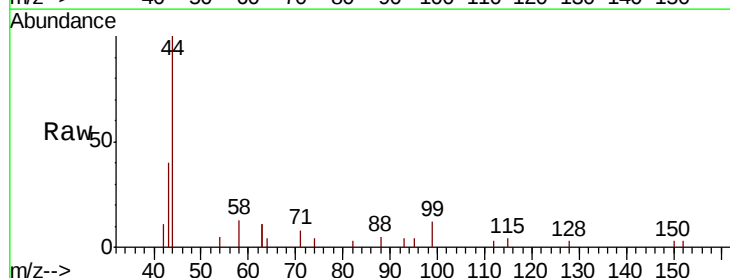
Tgt Ion: 99 Resp: 365

Ion Ratio Lower Upper

99 100

42 63.6 26.3 39.5#

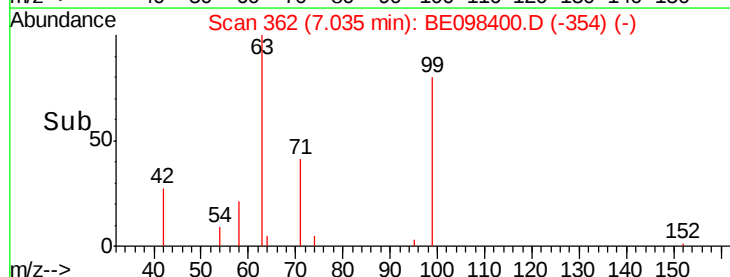
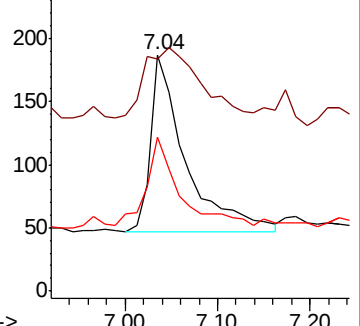
71 45.5 33.6 50.4



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

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

Instrument :

BNA_E

ClientSampleId :

EB01-20181207

Tgt Ion:136 Resp: 3887

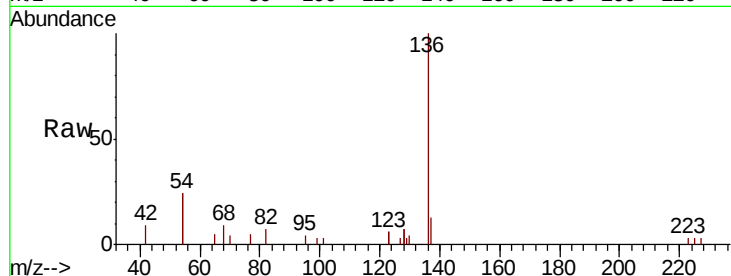
Ion Ratio Lower Upper

136 100

137 13.3 9.2 13.8

54 47.7 28.4 42.6#

68 8.8 5.4 8.0#

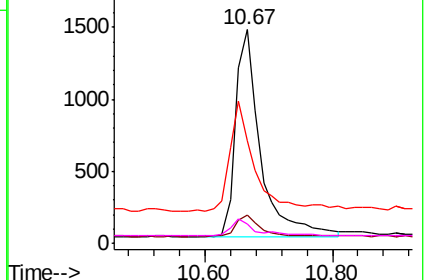
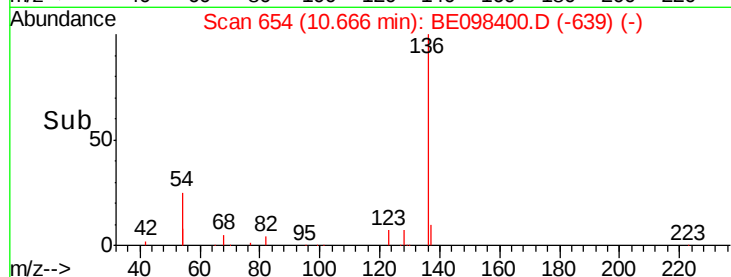


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.390 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.02 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

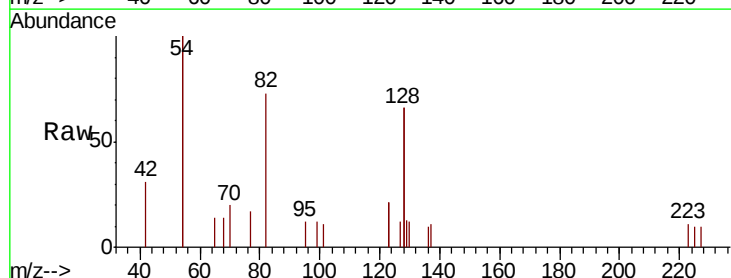
Tgt Ion: 82 Resp: 1381

Ion Ratio Lower Upper

82 100

128 183.1 102.4 153.6#

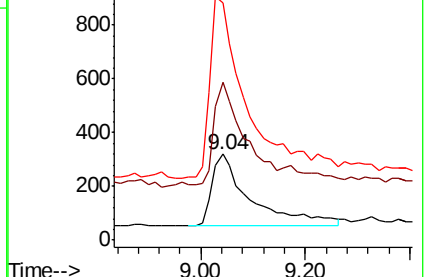
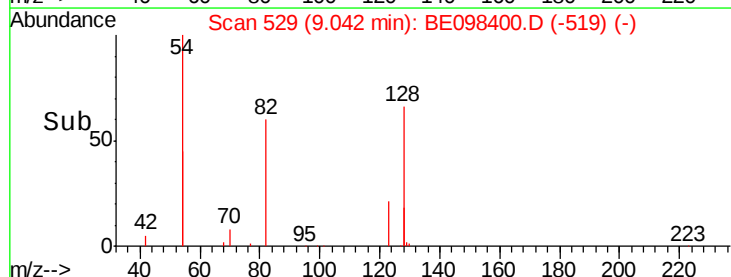
54 275.6 221.8 332.8

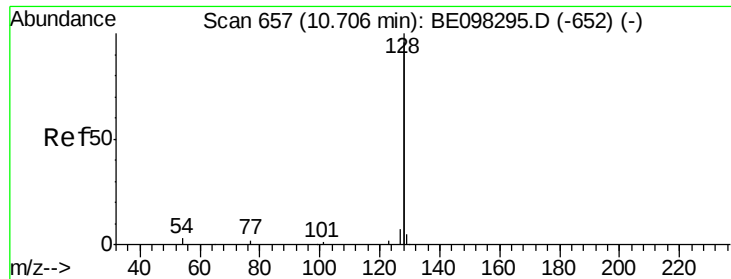


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.022 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

Instrument :

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ClientSampleId :

EB01-20181207

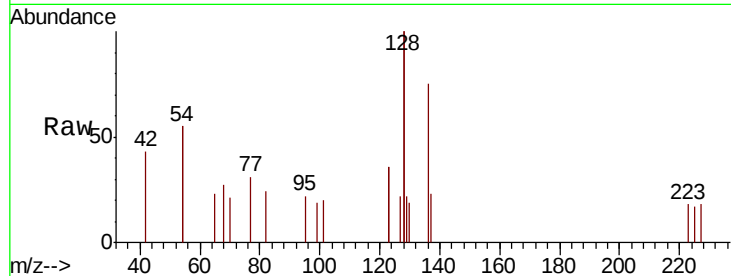
Tgt Ion:128 Resp: 854

Ion Ratio Lower Upper

128 100

129 11.0 2.5 3.7#

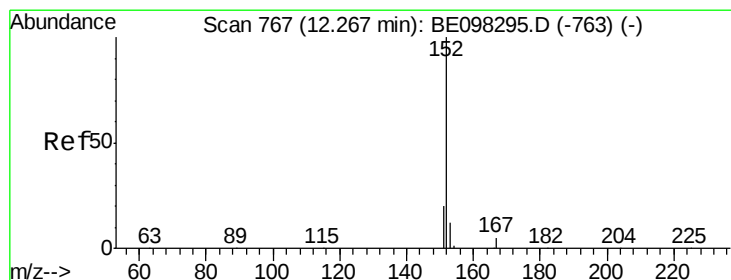
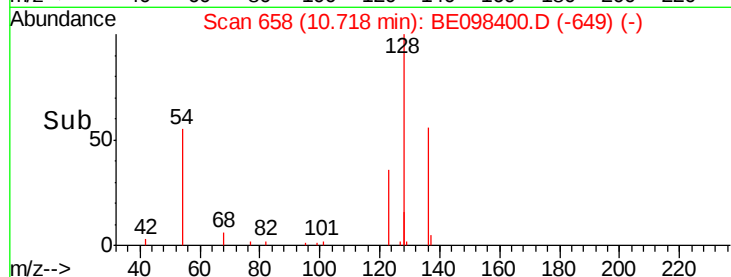
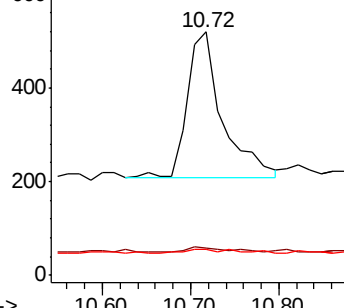
127 10.8 2.7 4.1#



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: 0.391 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098400.D

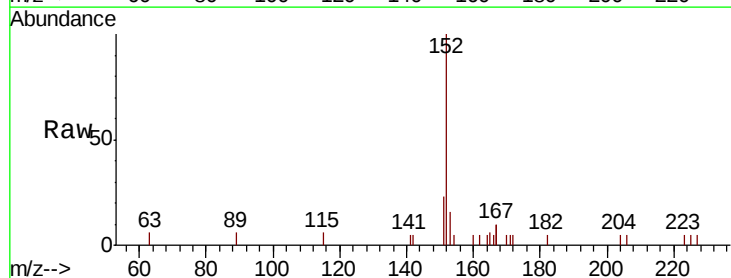
Acq: 13 Dec 2018 17:08

Tgt Ion:152 Resp: 2474

Ion Ratio Lower Upper

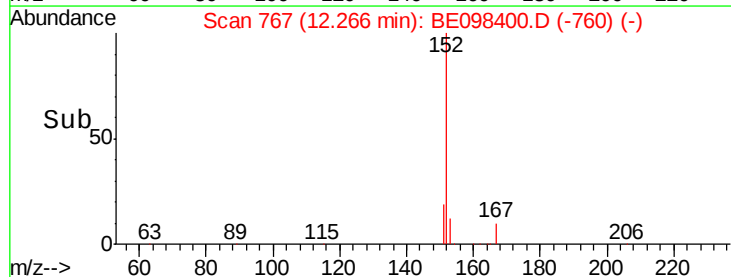
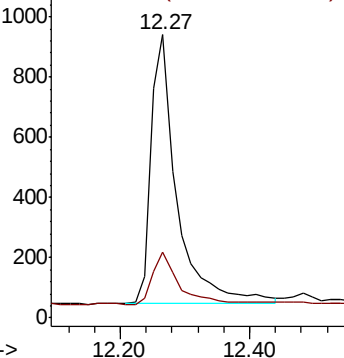
152 100

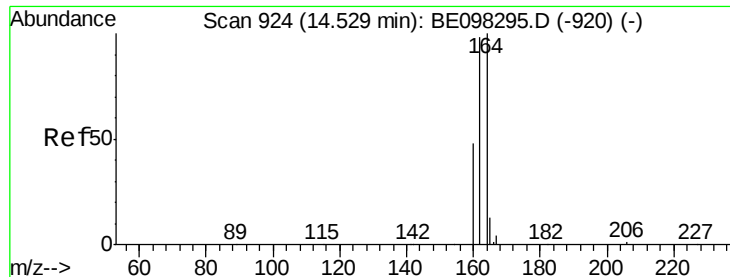
151 20.1 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

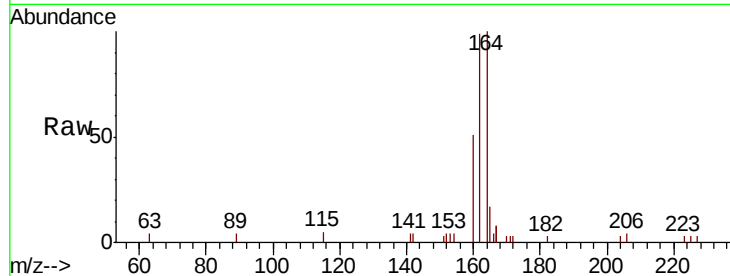




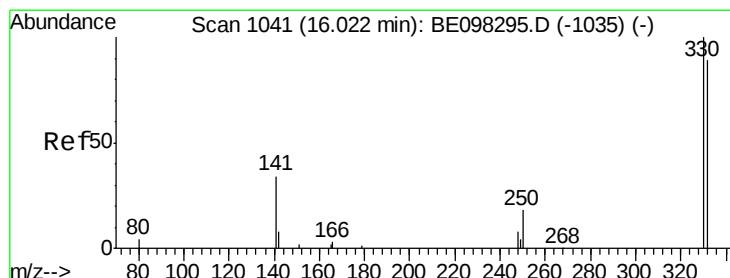
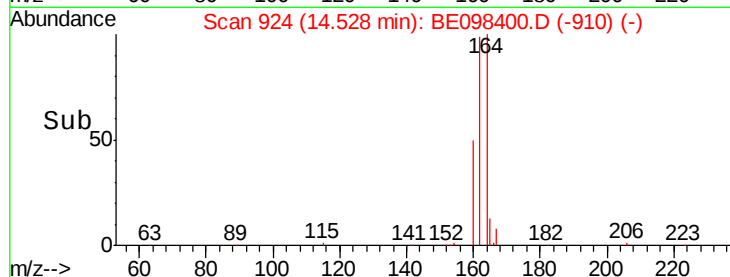
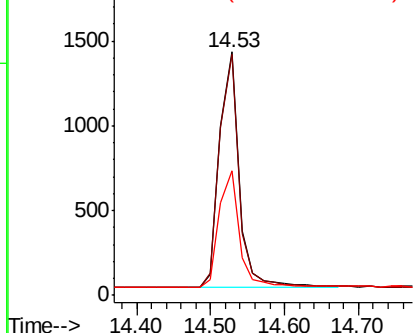
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098400.D
Acq: 13 Dec 2018 17:08

Instrument :
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Tgt Ion:164 Resp: 2568
Ion Ratio Lower Upper
164 100
162 99.0 77.6 116.4
160 51.4 36.0 54.0

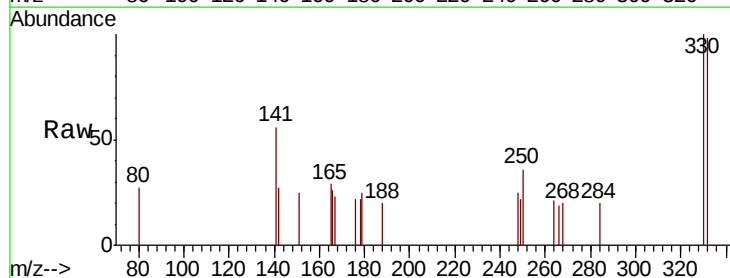


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

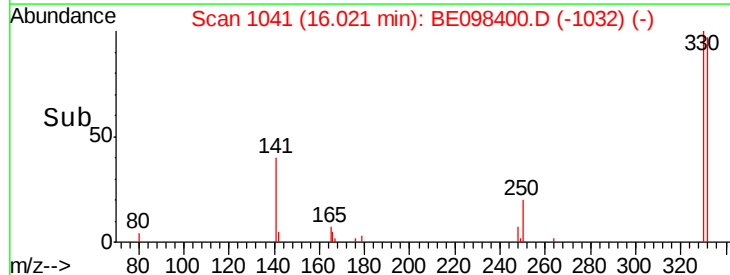
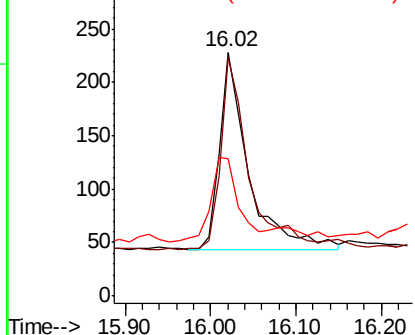


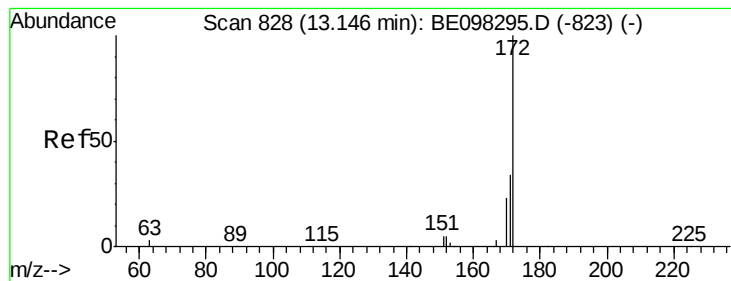
#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098400.D
Acq: 13 Dec 2018 17:08

Tgt Ion:330 Resp: 441
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 41.5 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: 0.402 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

Instrument :

BNA_E

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EB01-20181207

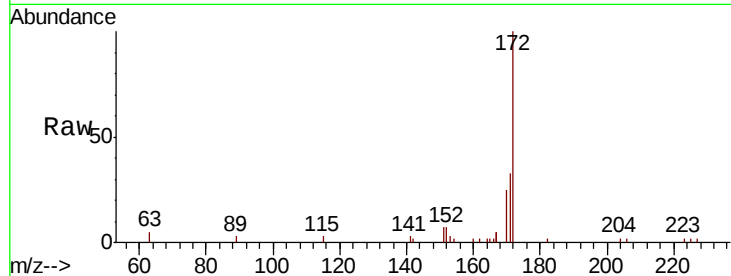
Tgt Ion:172 Resp: 4359

Ion Ratio Lower Upper

172 100

171 32.9 27.5 41.3

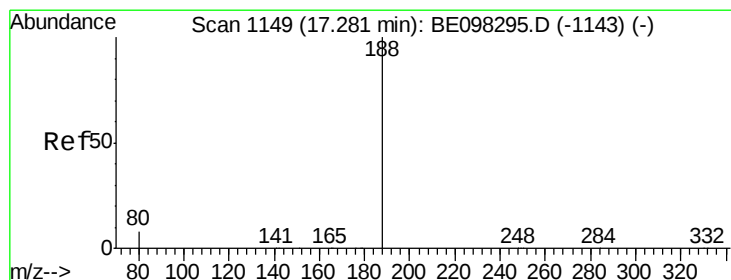
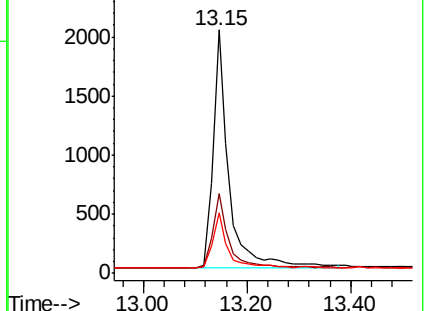
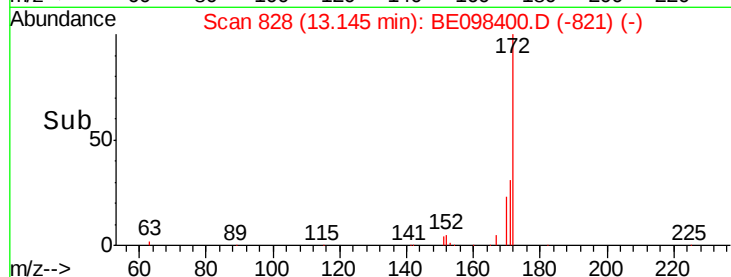
170 24.8 19.6 29.4



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

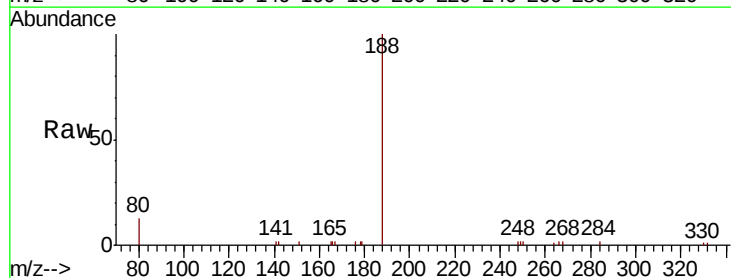
Tgt Ion:188 Resp: 7009

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

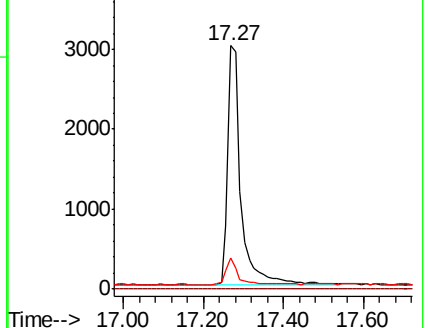
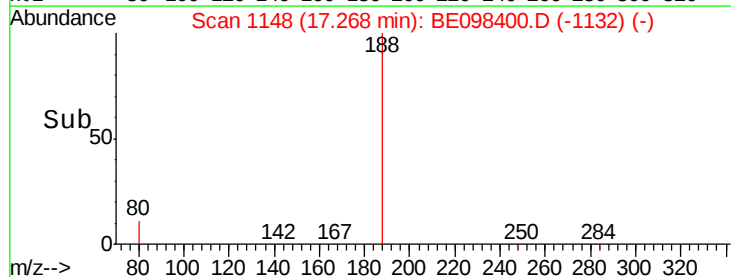
80 12.6 7.2 10.8#

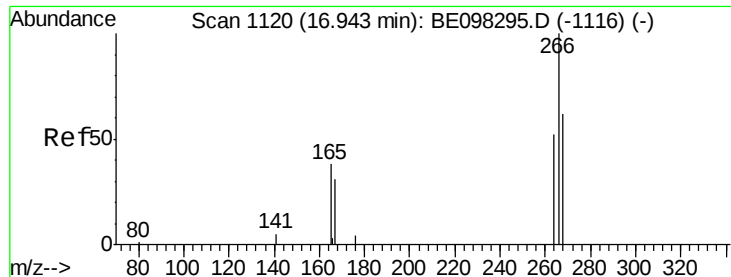


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.037 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

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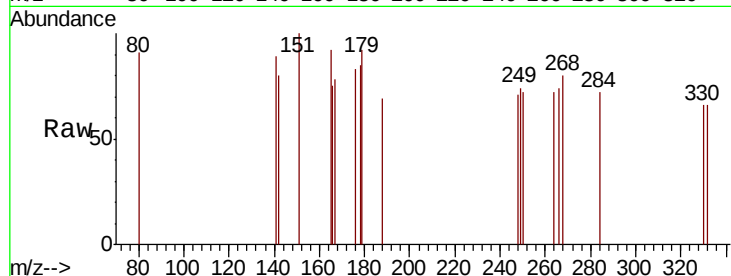
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 97.9 59.0 88.4#

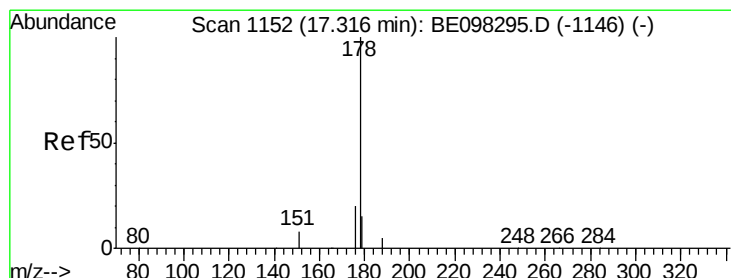
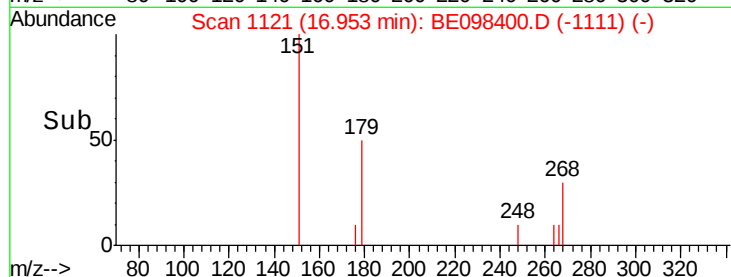
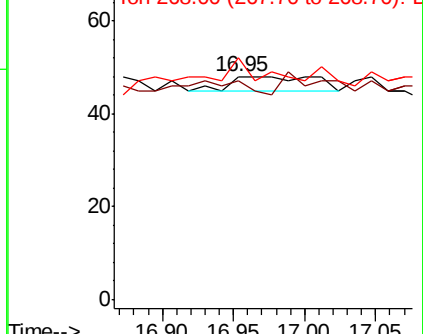
268 108.3 55.1 82.7#



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



#23

Phenanthrene

Concen: 0.024 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

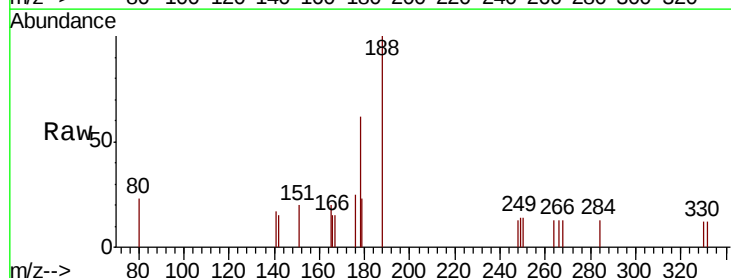
Tgt Ion:178 Resp: 401

Ion Ratio Lower Upper

178 100

176 21.2 15.9 23.9

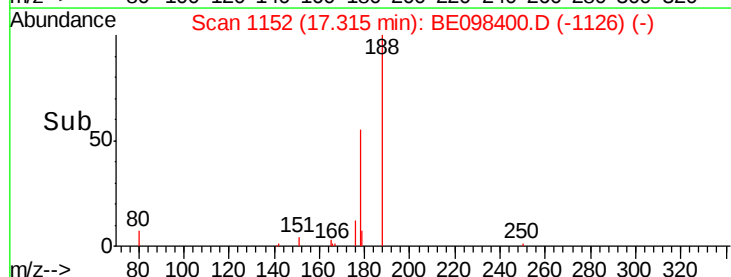
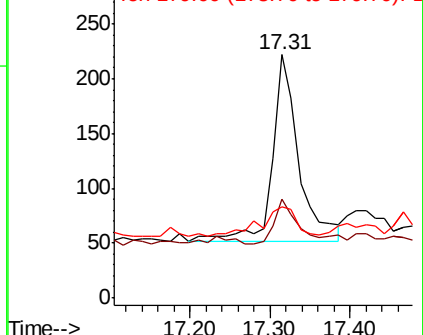
179 21.2 12.3 18.5#

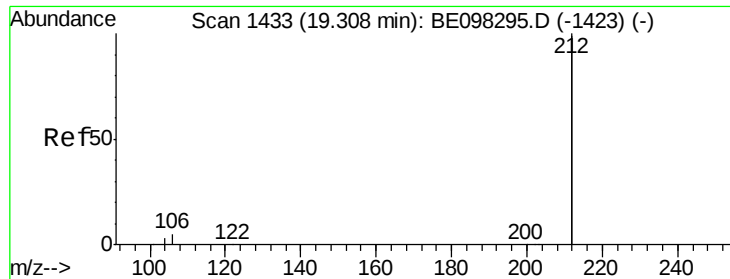


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.418 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

Instrument :

BNA_E

ClientSampleId :

EB01-20181207

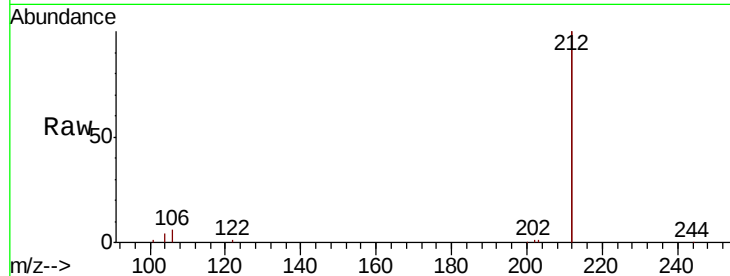
Tgt Ion:212 Resp: 37621

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

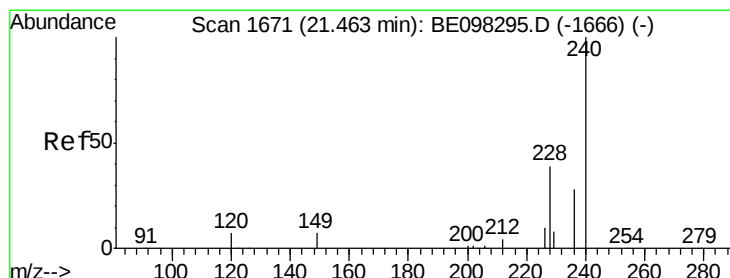
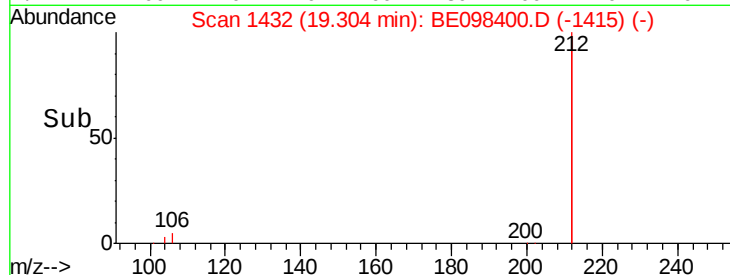
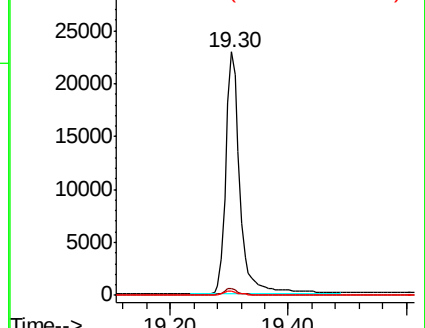
104 1.5 1.3 1.9



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: BE098400.D

Acq: 13 Dec 2018 17:08

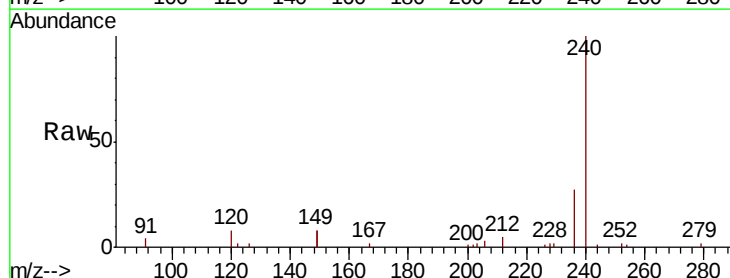
Tgt Ion:240 Resp: 8290

Ion Ratio Lower Upper

240 100

120 7.6 9.5 14.3#

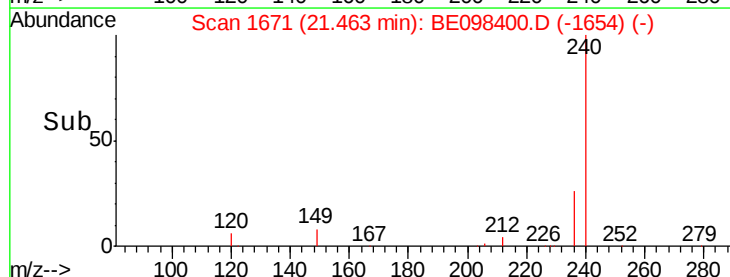
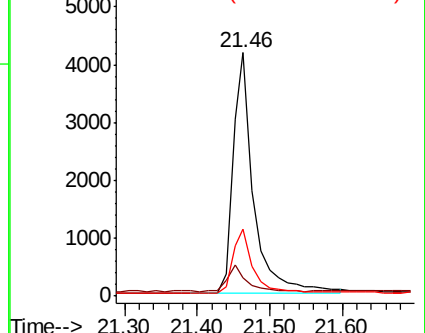
236 27.3 22.7 34.1

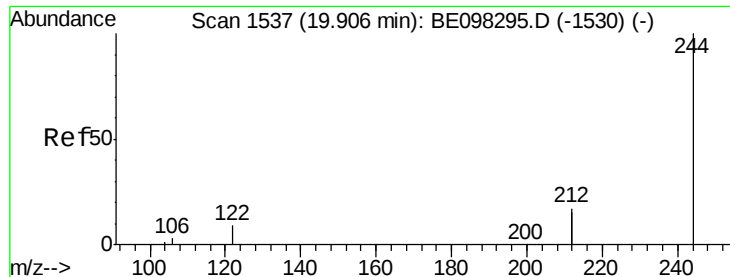


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.381 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

Instrument :

BNA_E

ClientSampleId :

EB01-20181207

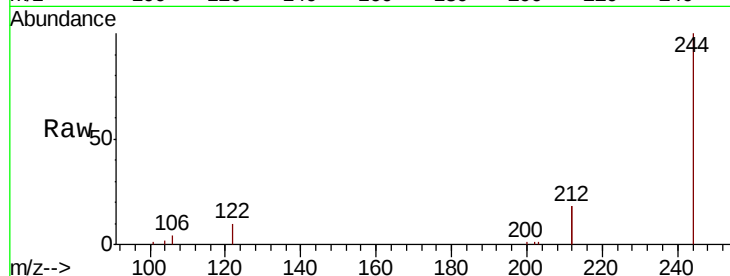
Tgt Ion:244 Resp: 7680

Ion Ratio Lower Upper

244 100

212 35.2 27.4 41.0

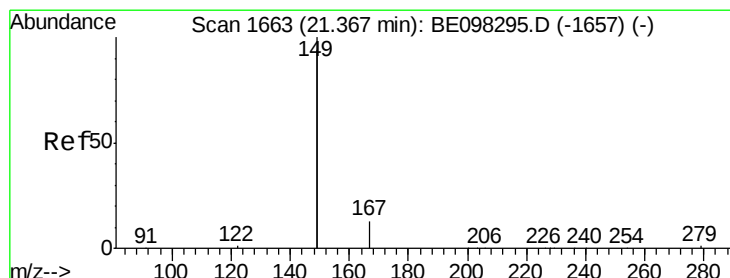
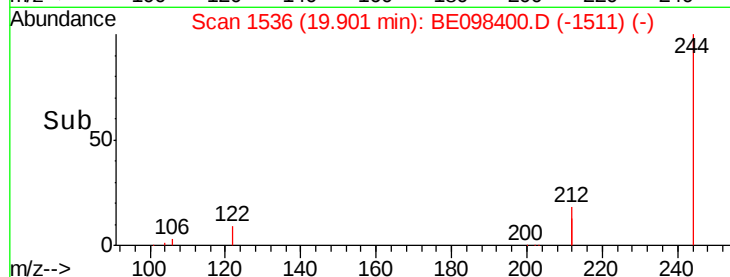
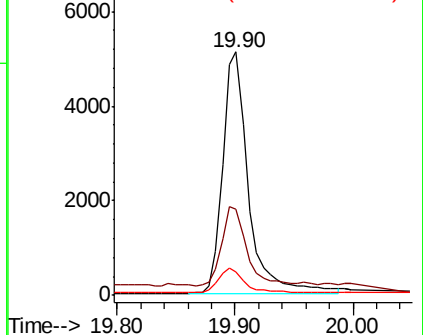
122 9.6 8.3 12.5



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: 0.068 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

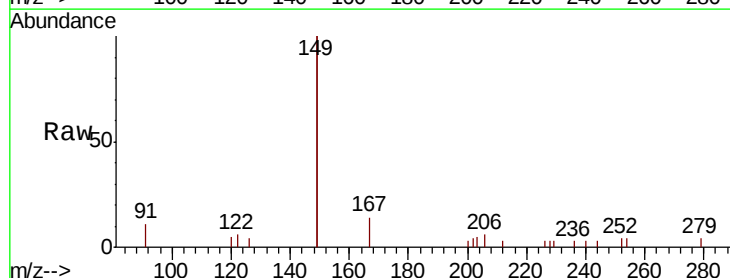
Tgt Ion:149 Resp: 3249

Ion Ratio Lower Upper

149 100

167 7.3 5.7 8.5

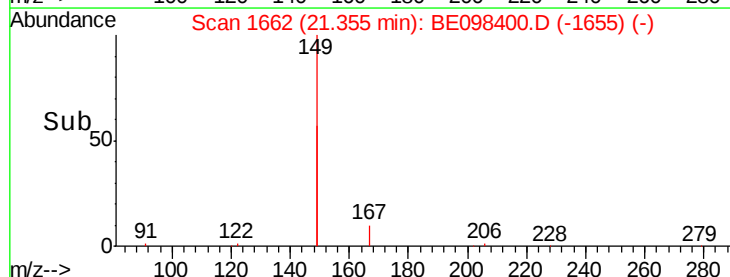
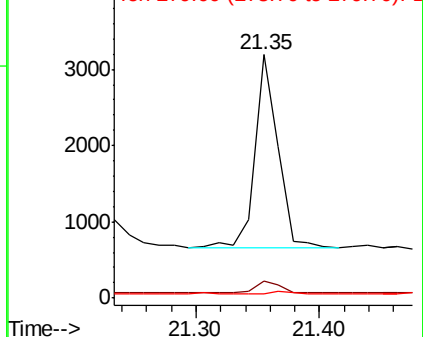
279 1.5 1.0 1.4#

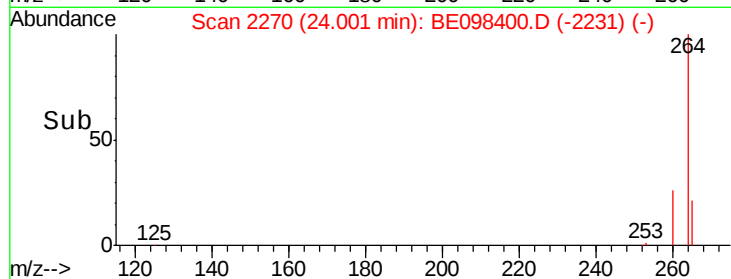
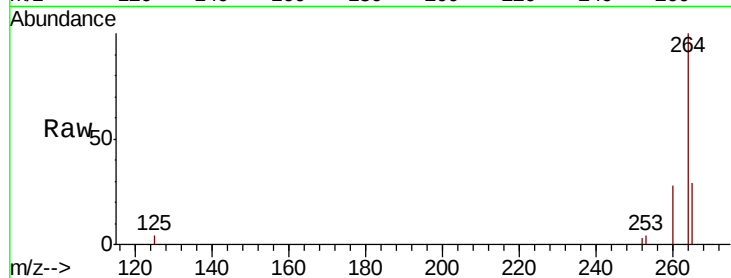
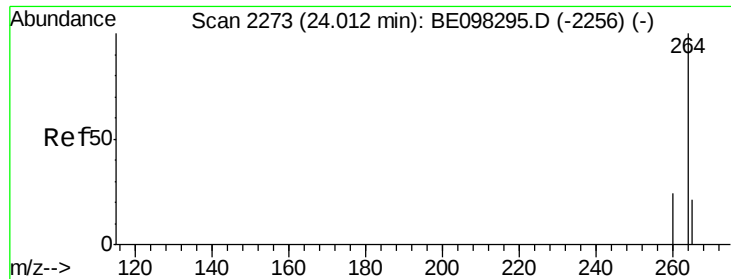


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2270

Delta R.T. -0.01 min

Lab File: BE098400.D

Acq: 13 Dec 2018 17:08

Instrument :

BNA_E

ClientSampleId :

EB01-20181207

Tgt Ion: 264 Resp: 7898

Ion Ratio Lower Upper

264 100

260 27.5 20.2 30.2

265 28.6 25.2 37.8

