

Data File : BE098491.D
Acq On : 16 Dec 2018 4:16
Operator : SJ/JU
Sample : J6398-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-01_121218

Quant Time: Dec 17 02:02:28 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	744	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	3101	0.40	ng	-0.01
13) Acenaphthene-d10	14.52	164	1994	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	5235	0.40	ng	-0.01
27) Chrysene-d12	21.45	240	6673	0.40	ng	-0.01
34) Perylene-d12	23.99	264	6342	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	468	0.27	ng	0.00
5) Phenol-d6	7.04	99	402	0.16	ng	0.00
8) Nitrobenzene-d5	9.02	82	1200	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2286	0.45	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	462	0.63	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	4136	0.49	ng	-0.01
25) Fluoranthene-d10	19.30	212	35240	0.52	ng	-0.01
29) Terphenyl-d14	19.89	244	7647	0.47	ng	-0.01

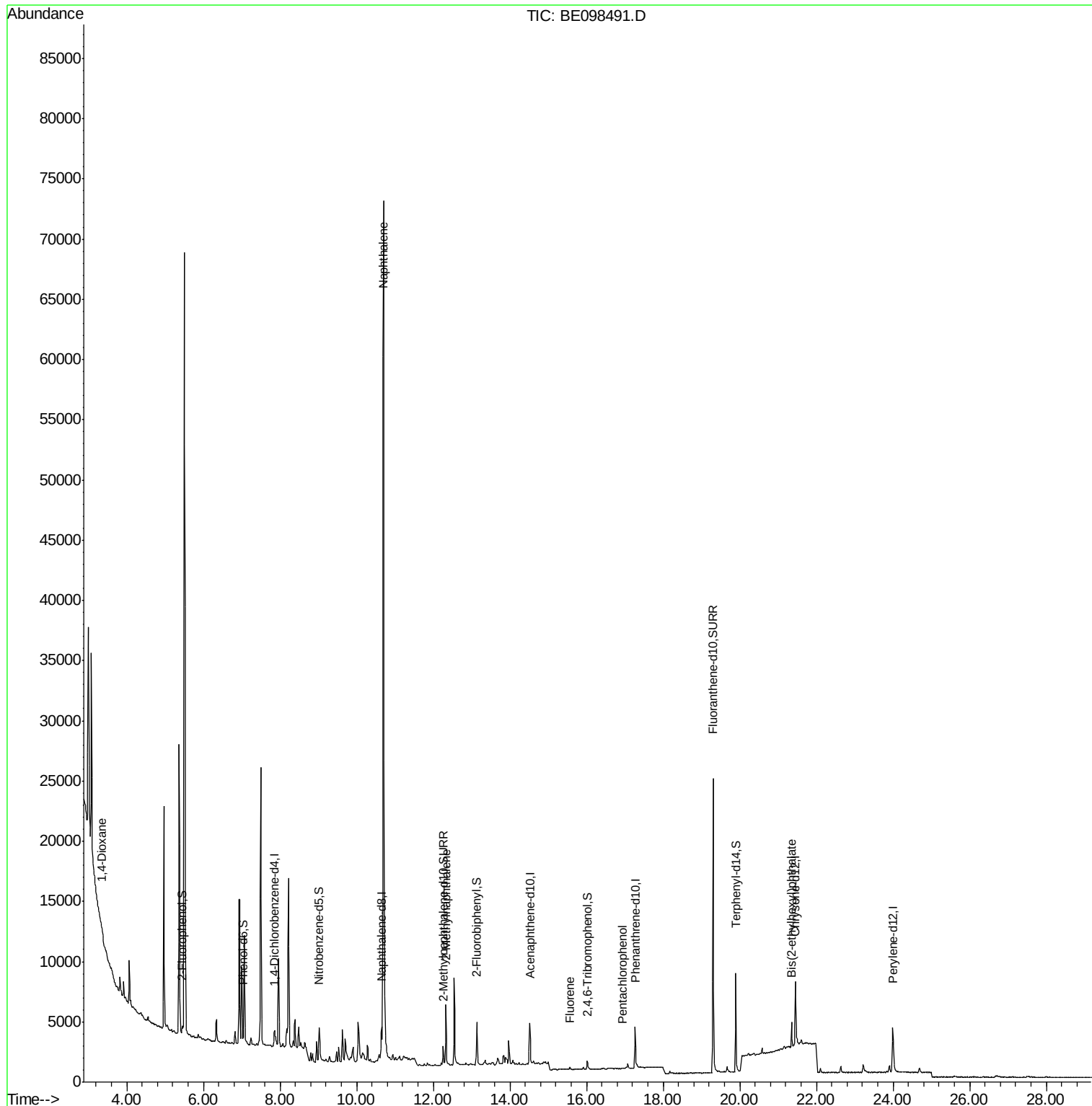
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	95	0.074	ng	# 12
9) Naphthalene	10.70	128	128528	4.119	ng	100
12) 2-Methylnaphthalene	12.33	142	3539	0.698	ng	94
18) Fluorene	15.57	166	171	0.023	ng	# 78
22) Pentachlorophenol	16.94	266	17	0.053	ng	# 73
32) Bis(2-ethylhexyl)phthalate	21.35	149	2634	0.068	ng	# 98

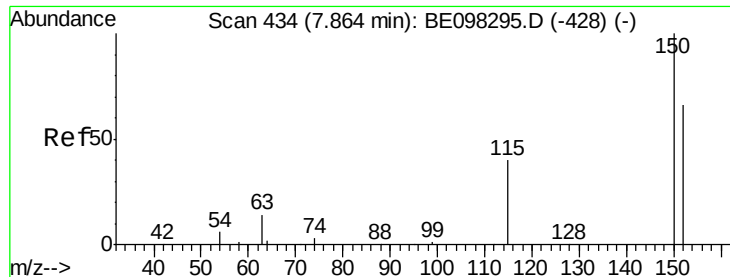
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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BNA_E

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DUP-01_121218

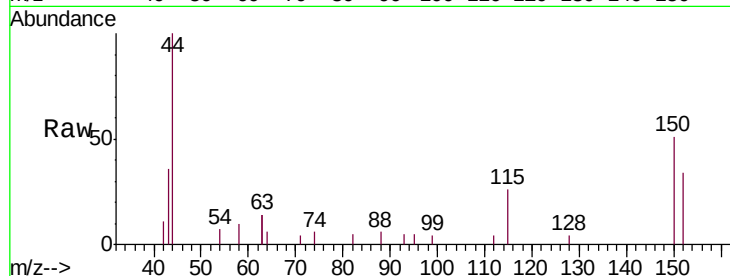
Tgt Ion:152 Resp: 744

Ion Ratio Lower Upper

152 100

150 150.2 124.2 186.4

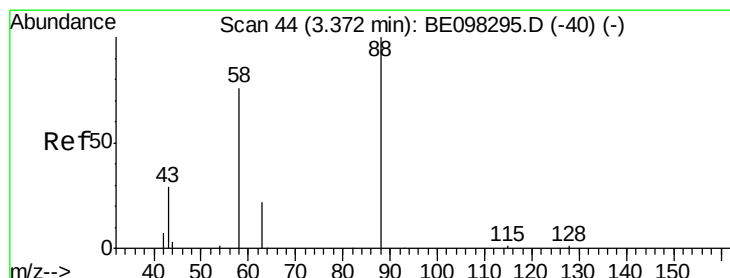
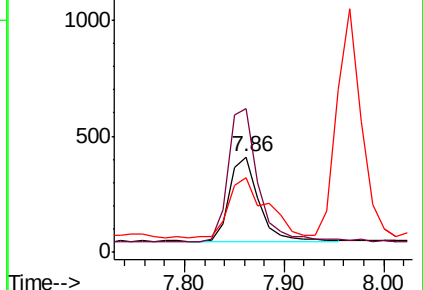
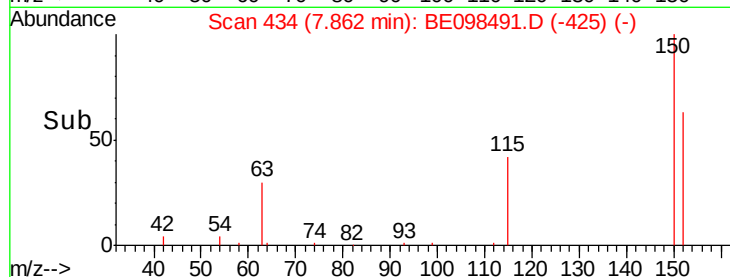
115 77.4 53.9 80.9



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: 0.074 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.04 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

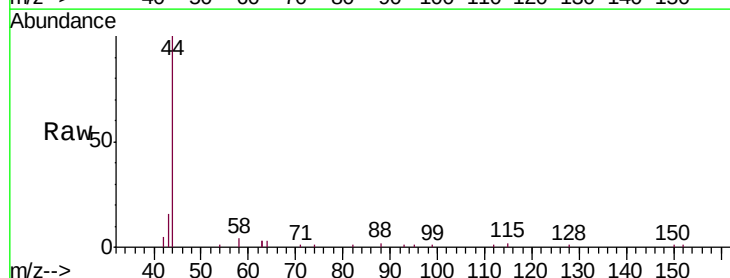
Tgt Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

58 0.0 75.0 112.6#

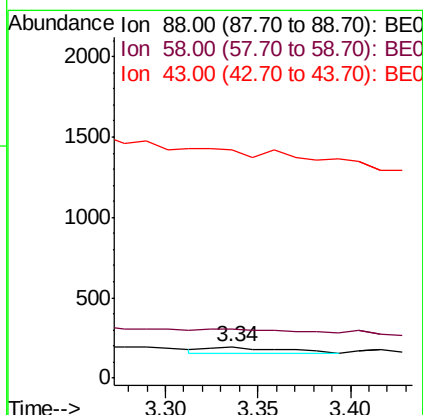
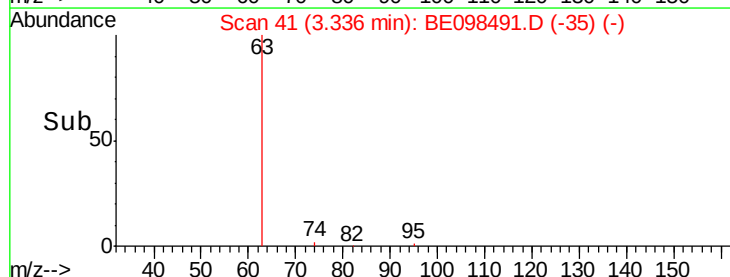
43 0.0 38.3 57.5#

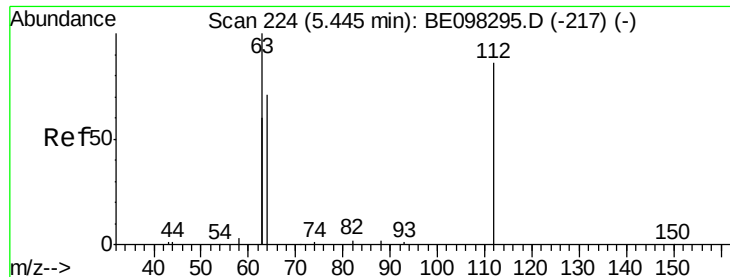


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.269 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

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ClientSampleId :

DUP-01_121218

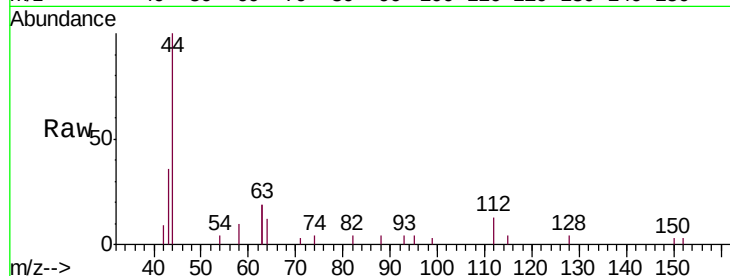
Tgt Ion: 112 Resp: 468

Ion Ratio Lower Upper

112 100

64 0.0 59.8 89.8#

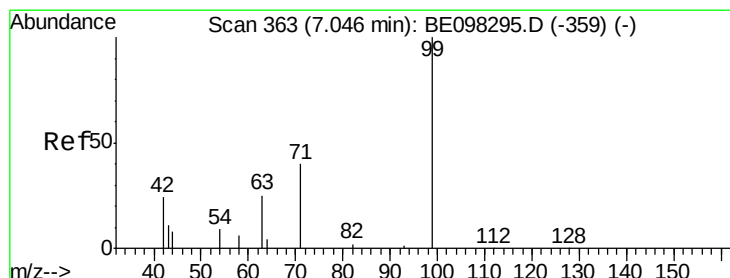
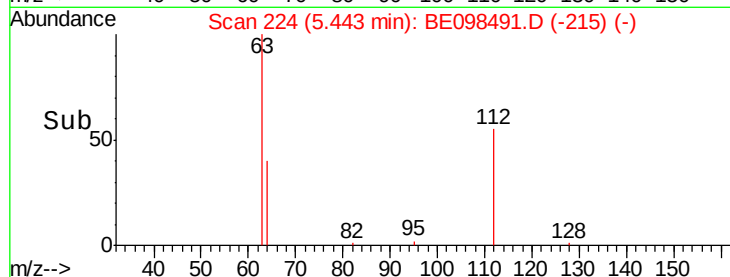
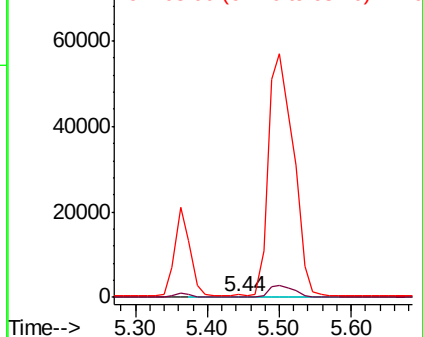
63 0.0 133.7 200.5#



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: 0.163 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

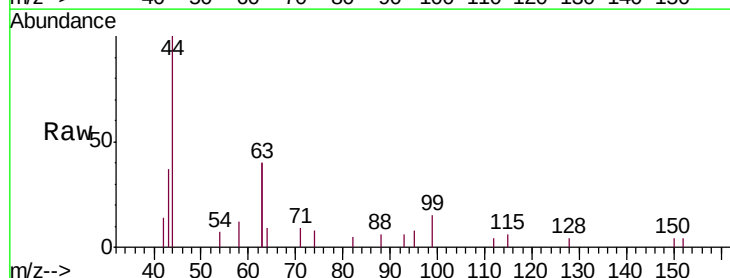
Tgt Ion: 99 Resp: 402

Ion Ratio Lower Upper

99 100

42 0.0 26.3 39.5#

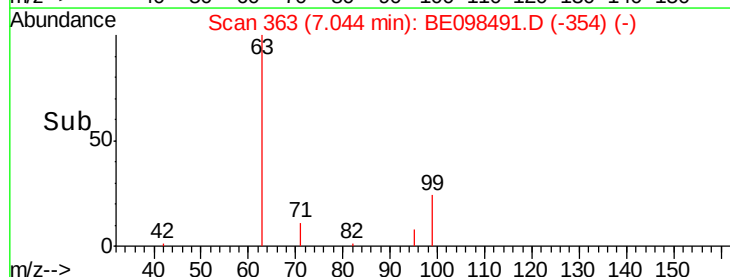
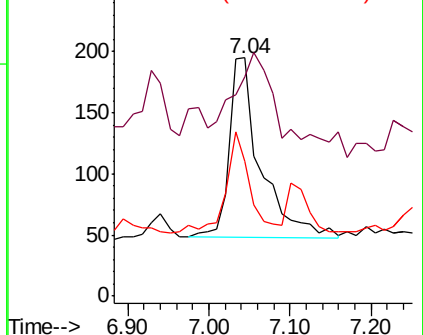
71 39.6 33.6 50.4

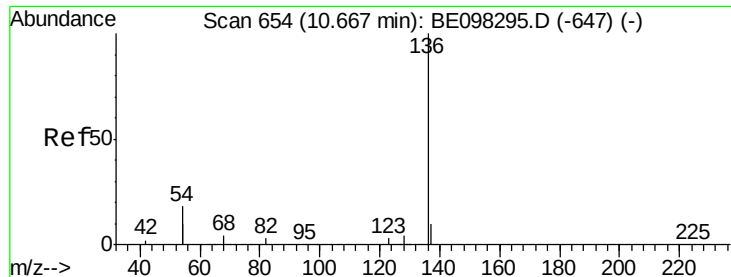


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA_E

ClientSampleId :

DUP-01_121218

Tgt Ion:136 Resp: 3101

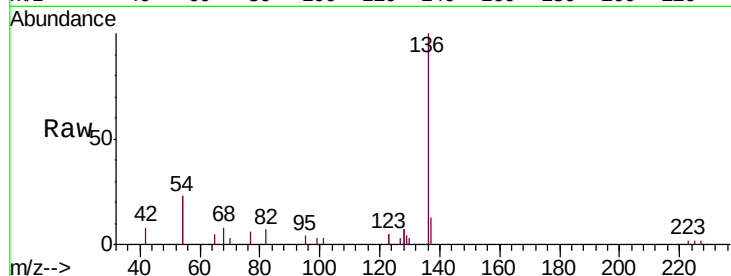
Ion Ratio Lower Upper

136 100

137 13.0 9.2 13.8

54 45.6 28.4 42.6#

68 8.0 5.4 8.0

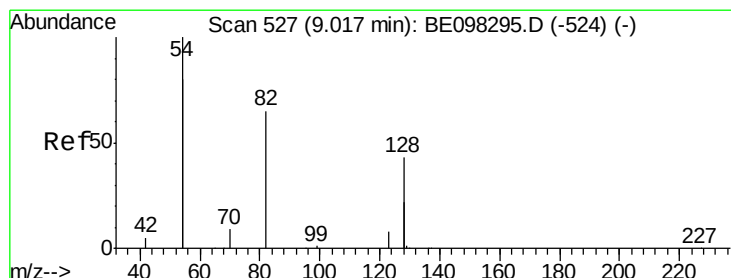
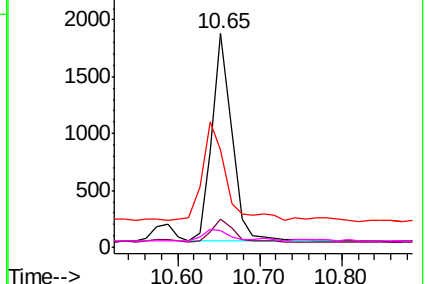
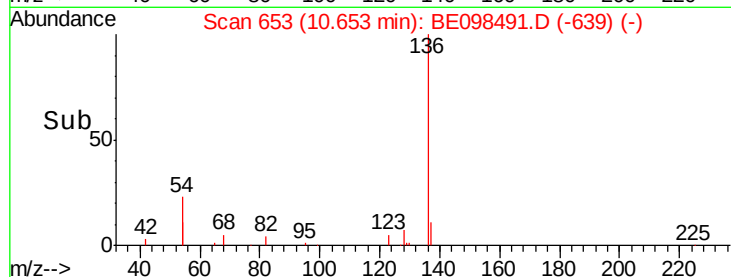


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.425 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

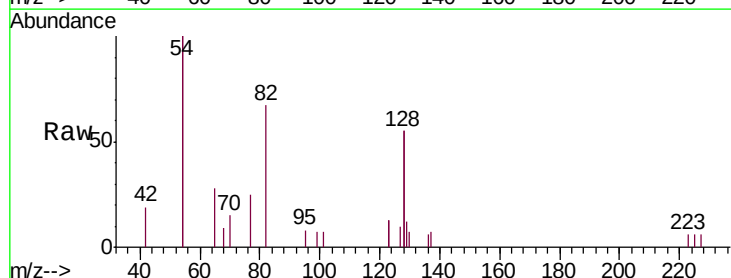
Tgt Ion: 82 Resp: 1200

Ion Ratio Lower Upper

82 100

128 164.8 102.4 153.6#

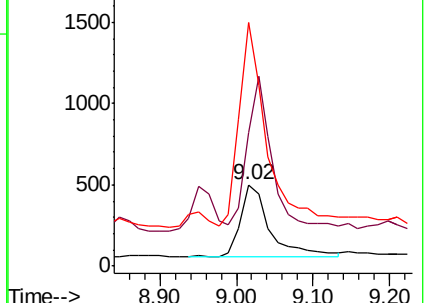
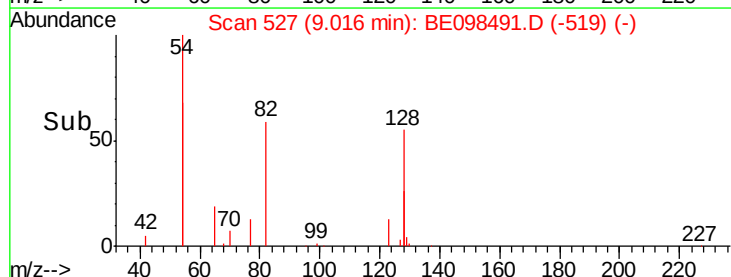
54 299.6 221.8 332.8

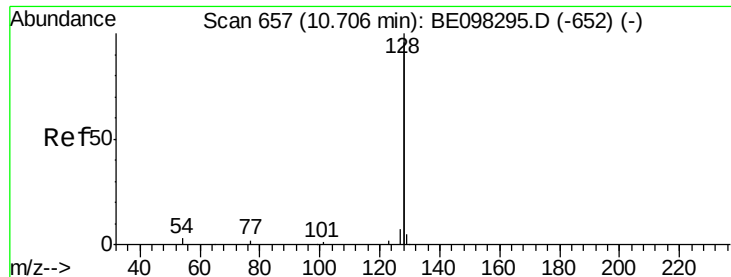


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.119 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA_E

ClientSampleId :

DUP-01_121218

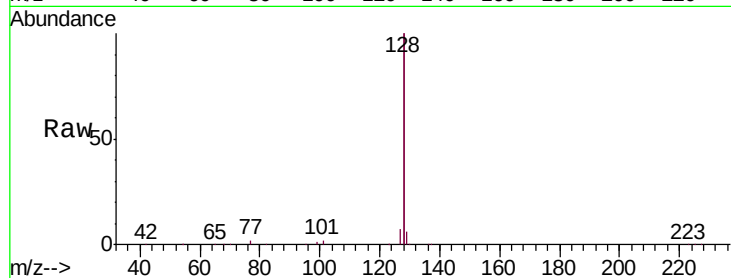
Tgt Ion:128 Resp: 128528

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

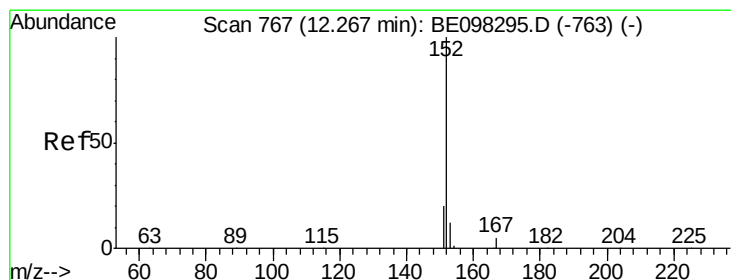
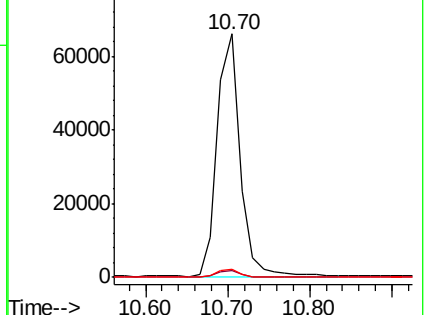
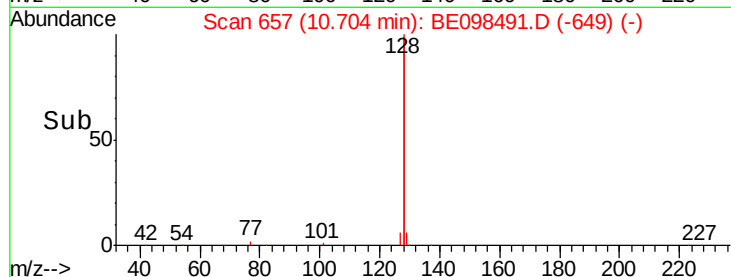
127 3.3 2.7 4.1



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: 0.453 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098491.D

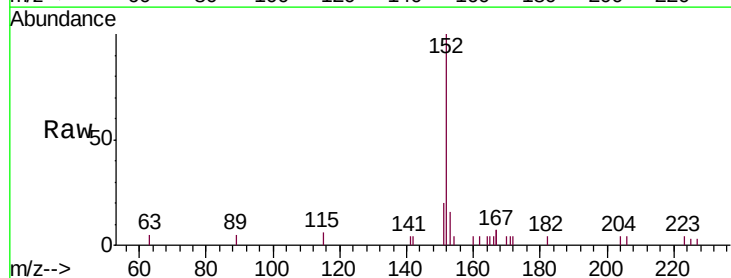
Acq: 16 Dec 2018 4:16

Tgt Ion:152 Resp: 2286

Ion Ratio Lower Upper

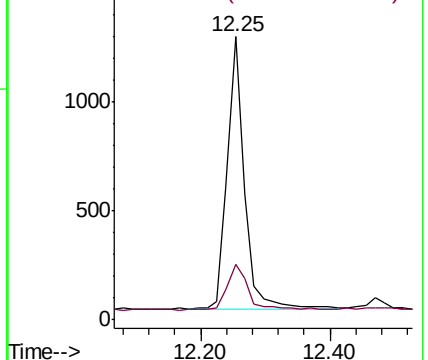
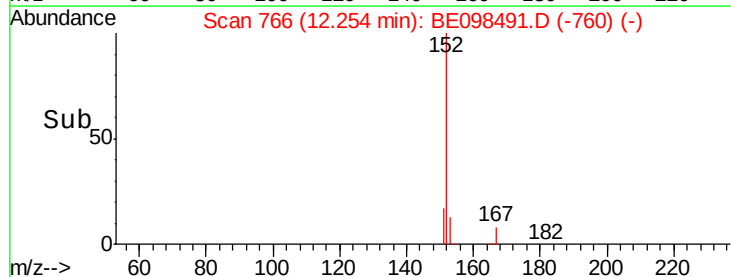
152 100

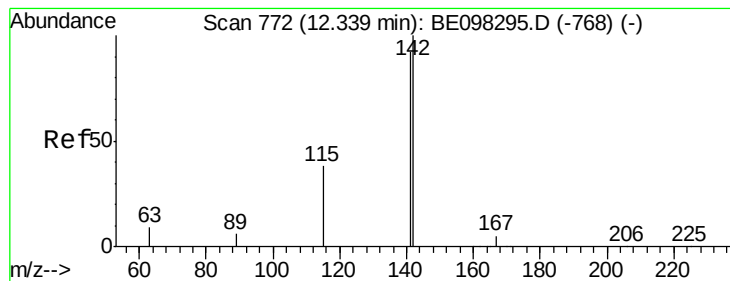
151 20.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.698 ng

RT: 12.33 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA_E

ClientSampleId :

DUP-01_121218

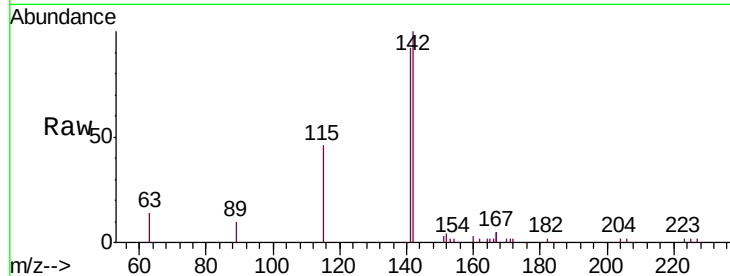
Tgt Ion:142 Resp: 3539

Ion Ratio Lower Upper

142 100

141 92.1 71.0 106.6

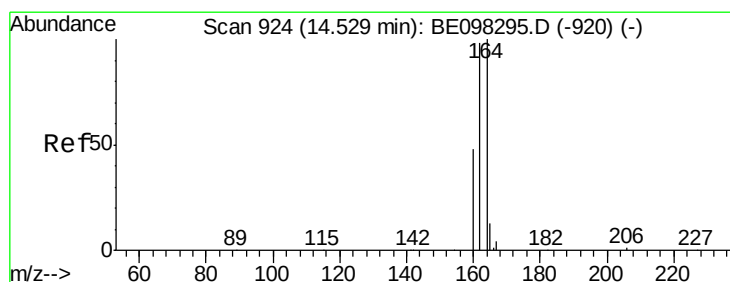
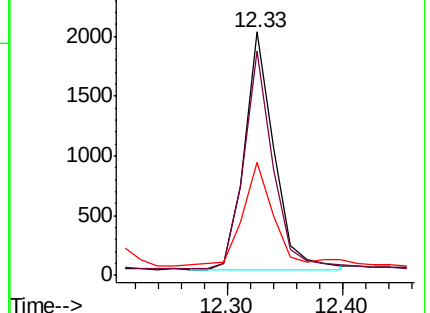
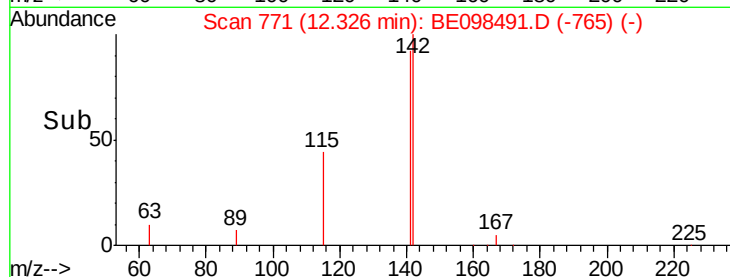
115 46.5 32.2 48.2



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

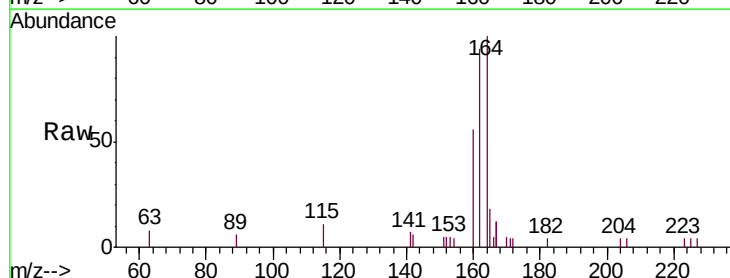
Tgt Ion:164 Resp: 1994

Ion Ratio Lower Upper

164 100

162 94.1 77.6 116.4

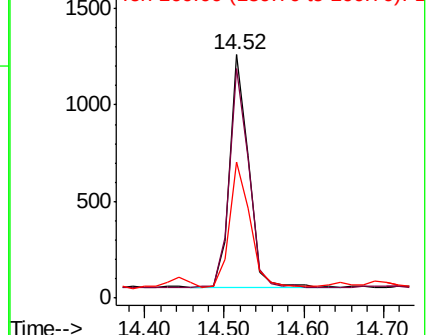
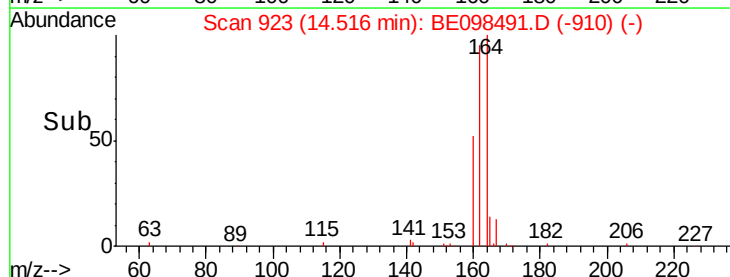
160 55.9 36.0 54.0#

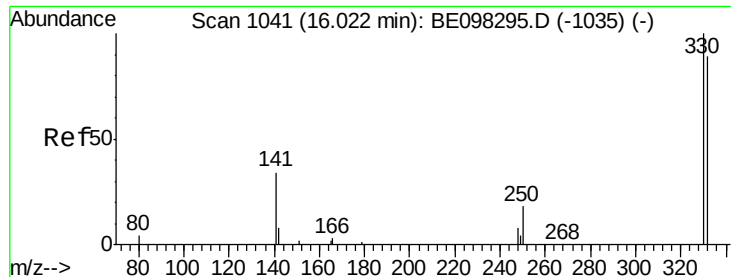


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

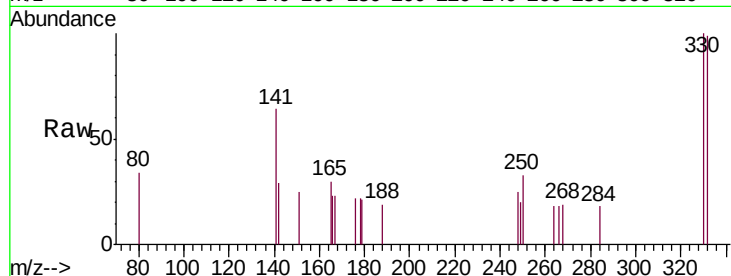




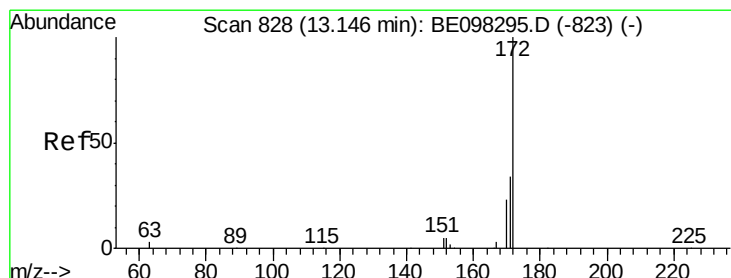
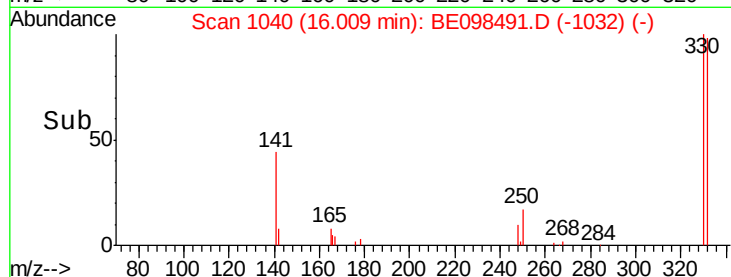
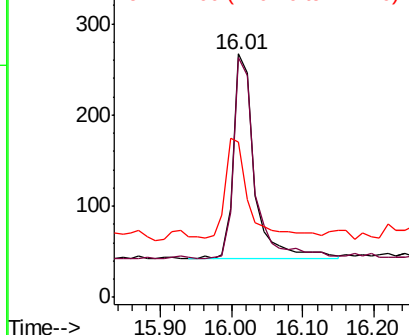
#14
 2,4,6-Tribromophenol
 Concen: 0.631 ng
 RT: 16.01 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BE098491.D
 Acq: 16 Dec 2018 4:16

Instrument :
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Tgt Ion: 330 Resp: 462
 Ion Ratio Lower Upper
 330 100
 332 99.1 76.2 114.4
 141 53.7 39.0 58.4

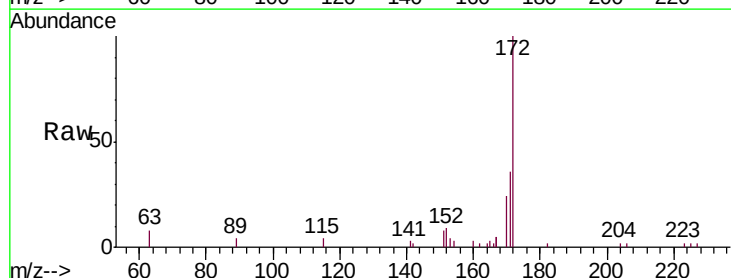


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

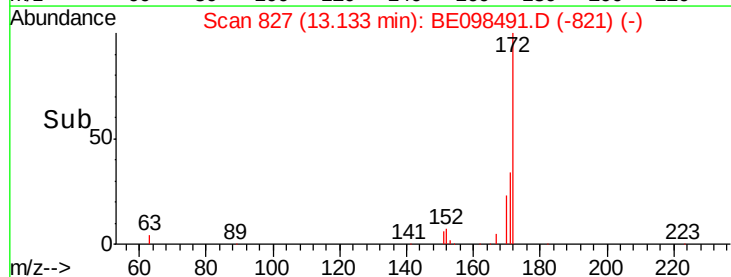
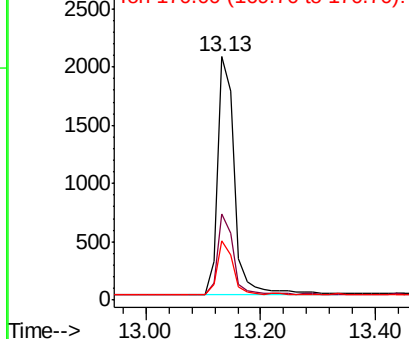


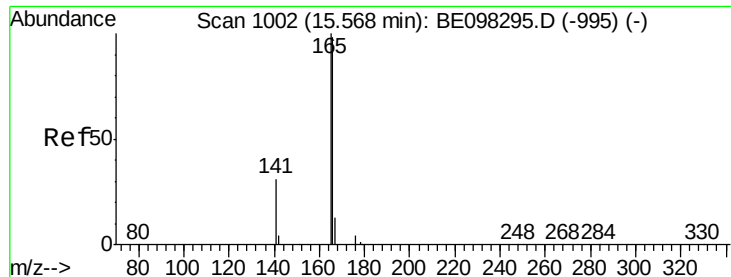
#15
 2-Fluorobiphenyl
 Concen: 0.492 ng
 RT: 13.13 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BE098491.D
 Acq: 16 Dec 2018 4:16

Tgt Ion: 172 Resp: 4136
 Ion Ratio Lower Upper
 172 100
 171 35.6 27.5 41.3
 170 24.4 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





#18

Fluorene

Concen: 0.023 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA_E

ClientSampleId :

DUP-01_121218

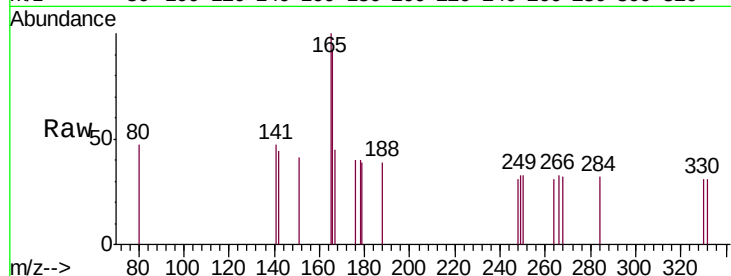
Tgt Ion:166 Resp: 171

Ion Ratio Lower Upper

166 100

165 121.6 79.3 118.9#

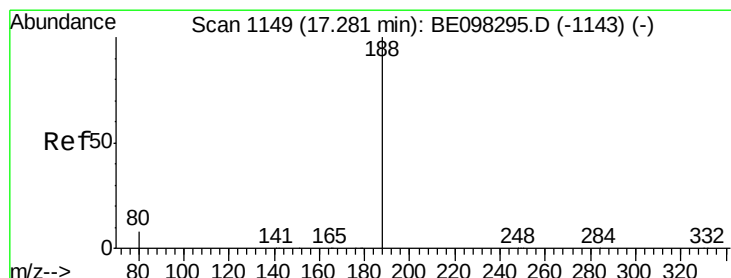
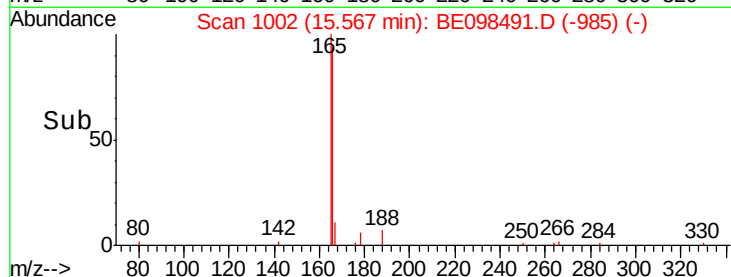
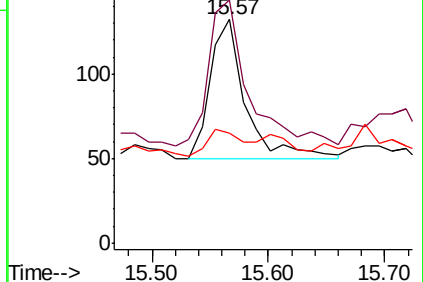
167 21.6 11.3 16.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

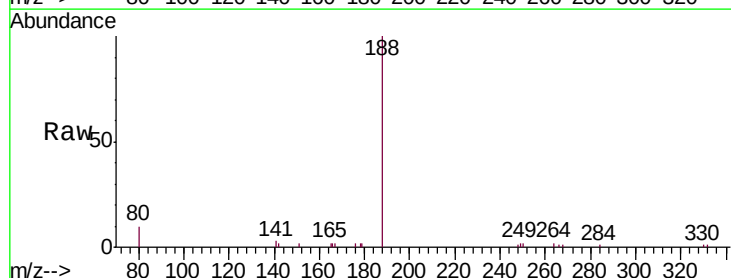
Tgt Ion:188 Resp: 5235

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

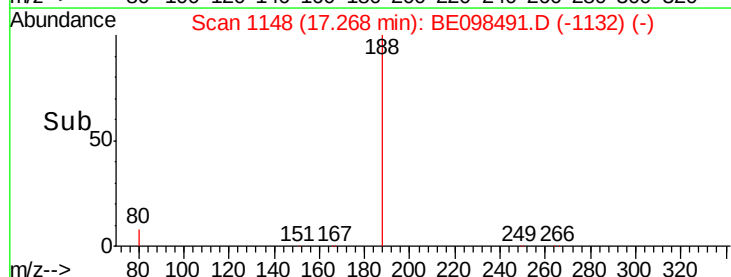
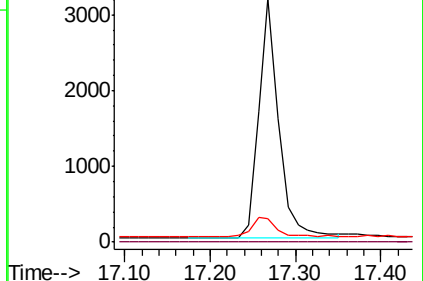
80 9.9 7.2 10.8

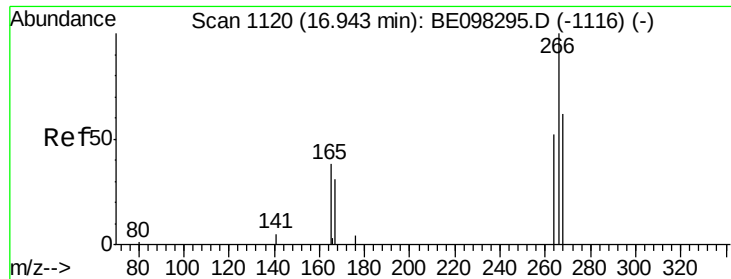


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

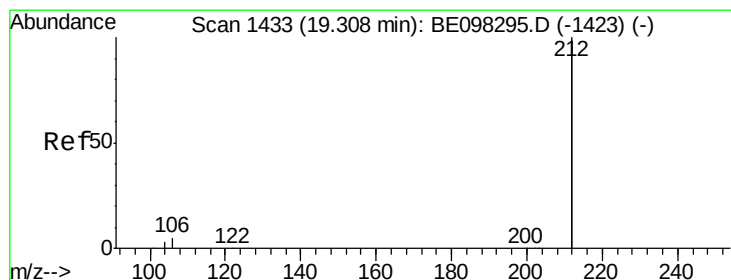
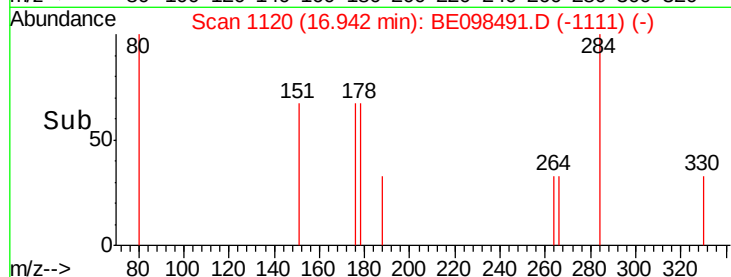
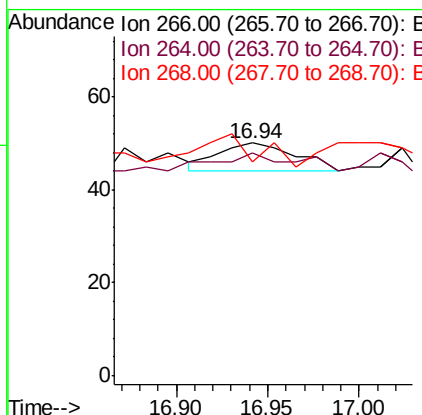
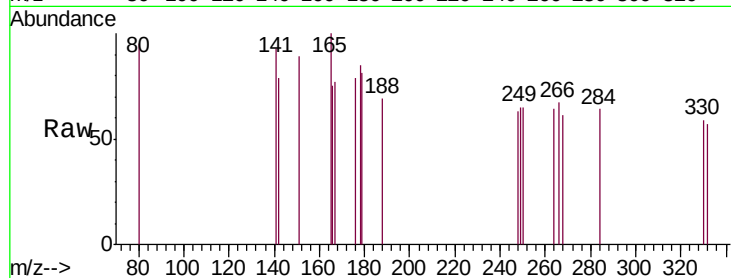




#22
 Pentachlorophenol
 Concen: 0.053 ng
 RT: 16.94 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: BE098491.D
 Acq: 16 Dec 2018 4:16

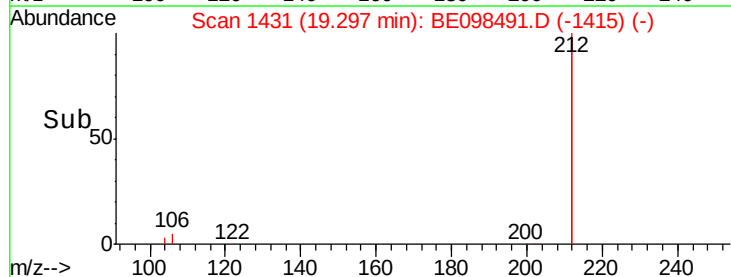
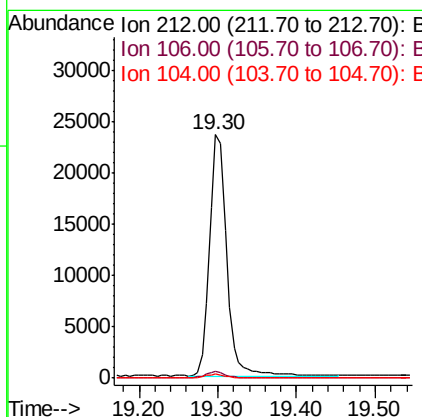
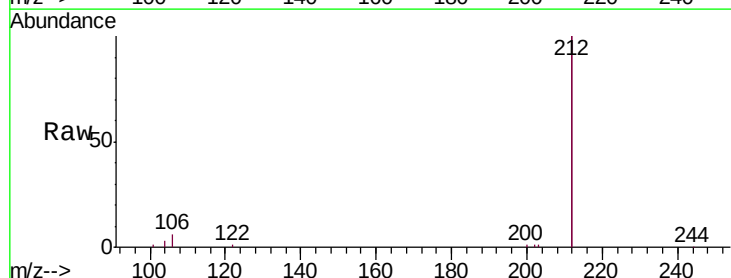
Instrument :
 BNA_E
 ClientSampleId :
 DUP-01_121218

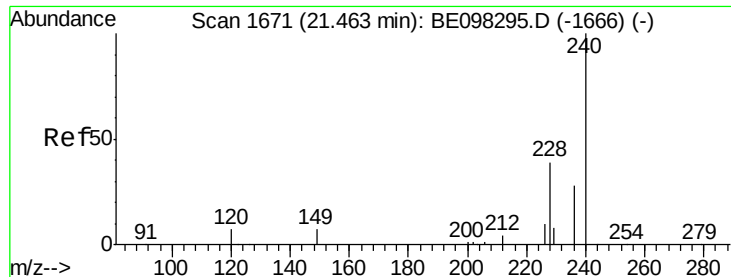
Tgt Ion: 266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 96.0 59.0 88.4#
 268 92.0 55.1 82.7#



#25
 Fluoranthene-d10
 Concen: 0.525 ng
 RT: 19.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BE098491.D
 Acq: 16 Dec 2018 4:16

Tgt Ion: 212 Resp: 35240
 Ion Ratio Lower Upper
 212 100
 106 2.4 2.2 3.2
 104 1.4 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: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA_E

ClientSampleId :

DUP-01_121218

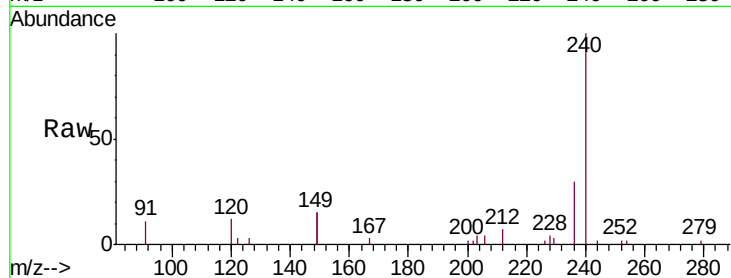
Tgt Ion:240 Resp: 6673

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

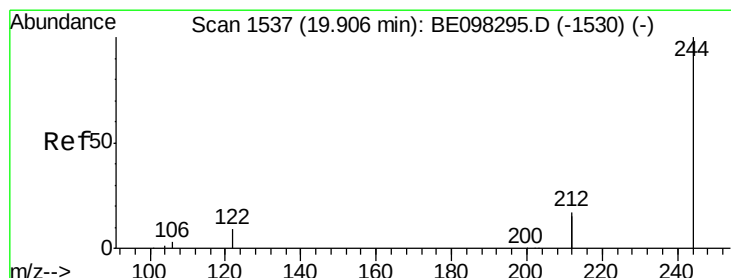
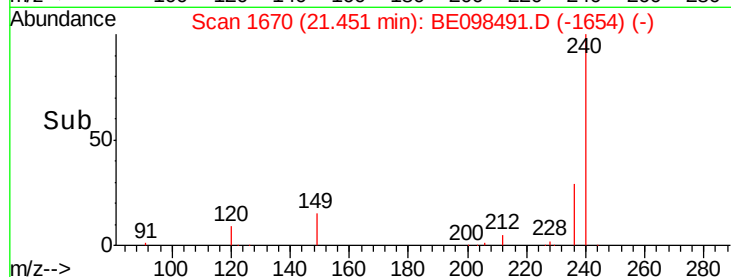
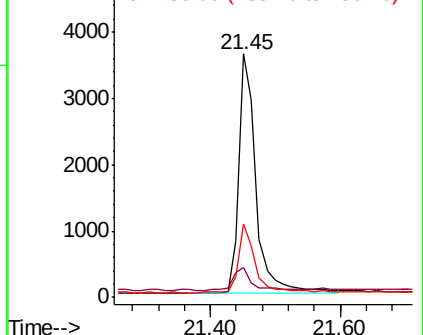
236 30.4 22.7 34.1



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: 0.472 ng

RT: 19.89 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

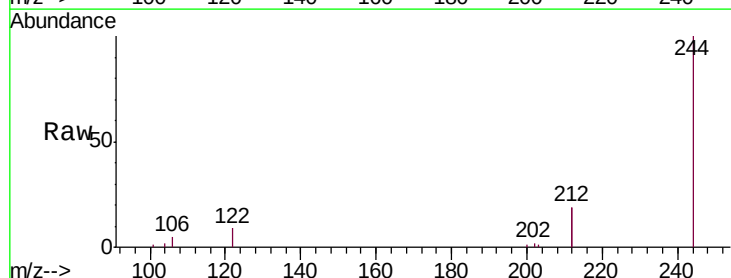
Tgt Ion:244 Resp: 7647

Ion Ratio Lower Upper

244 100

212 37.6 27.4 41.0

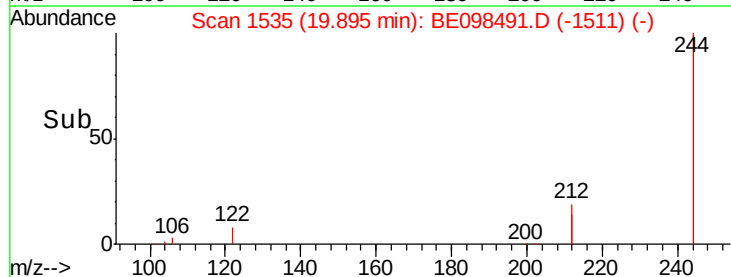
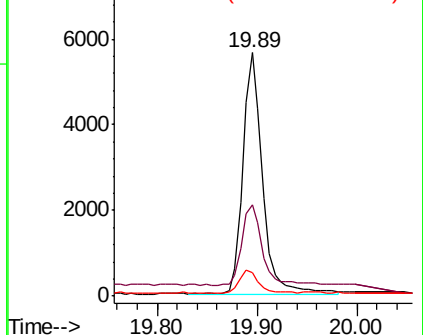
122 9.5 8.3 12.5

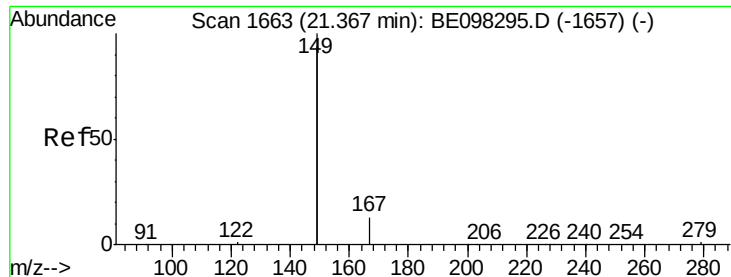


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

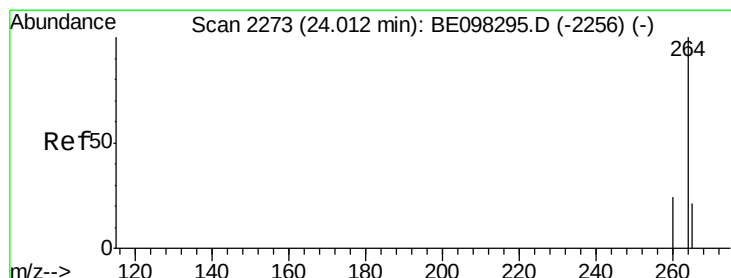
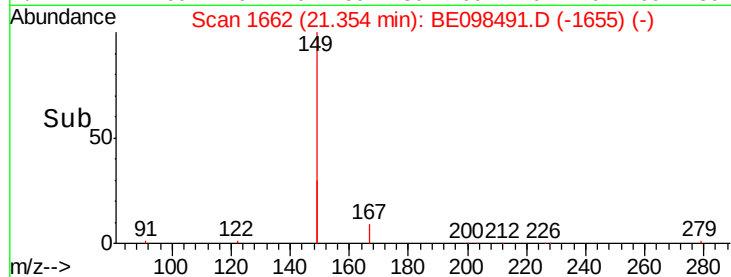
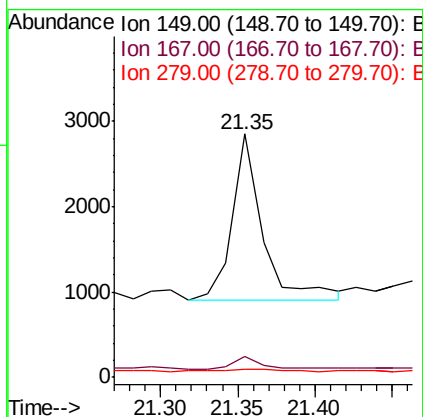
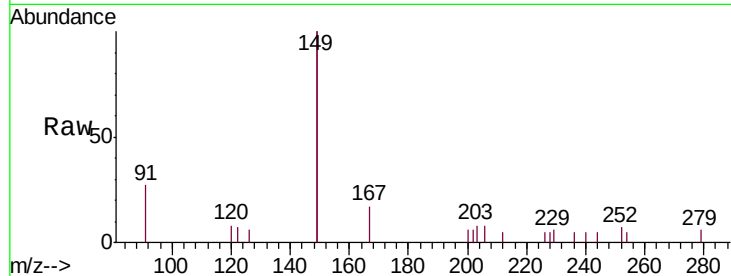




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.068 ng
 RT: 21.35 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BE098491.D
 Acq: 16 Dec 2018 4:16

Instrument :
 BNA_E
 ClientSampleId :
 DUP-01_121218

Tgt Ion:149 Resp: 2634
 Ion Ratio Lower Upper
 149 100
 167 6.6 5.7 8.5
 279 2.2 1.0 1.4#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.99 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BE098491.D
 Acq: 16 Dec 2018 4:16

Tgt Ion:264 Resp: 6342
 Ion Ratio Lower Upper
 264 100
 260 26.9 20.2 30.2
 265 31.6 25.2 37.8

