

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110518\
 Data File : BE098161.D
 Acq On : 5 Nov 2018 14:42
 Operator : SJ/JU
 Sample : J5780-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 05 16:10:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	945	0.40	ng	-0.01
7) Naphthalene-d8	10.67	136	4467	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3230	0.40	ng	-0.01
19) Phenanthrene-d10	17.28	188	7228	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8219	0.40	ng	0.00
34) Perylene-d12	24.01	264	7882	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	520	0.19	ng	0.00
5) Phenol-d6	7.05	99	507	0.11	ng	0.00
8) Nitrobenzene-d5	9.02	82	1713	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.27	152	3053	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	615	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	5958	0.45	ng	-0.01
25) Fluoranthene-d10	19.31	212	35841	0.38	ng	0.00
29) Terphenyl-d14	19.91	244	8544	0.45	ng	0.00

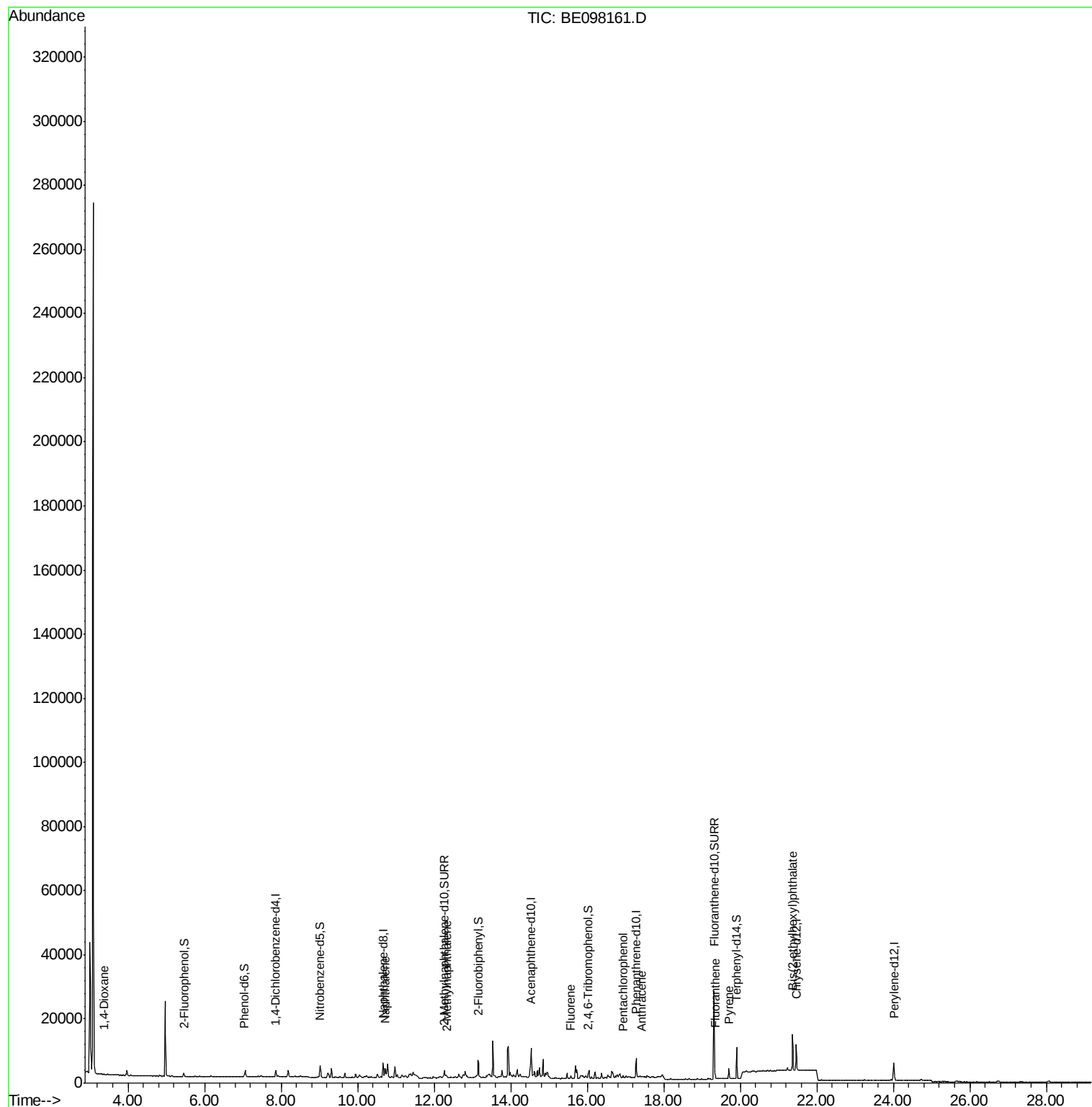
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	46	0.033	ng	# 1
9) Naphthalene	10.72	128	3702	0.083	ng	# 62
12) 2-Methylnaphthalene	12.34	142	214	0.027	ng	# 14
18) Fluorene	15.57	166	334	0.028	ng	# 1
22) Pentachlorophenol	16.94	266	59	0.177	ng	# 71
24) Anthracene	17.41	178	520	0.031	ng	# 80
26) Fluoranthene	19.34	202	1368	0.061	ng	# 97
28) Pyrene	19.70	202	2872	0.128	ng	# 98
32) Bis(2-ethylhexyl)phthalate	21.37	149	13685	0.106	ng	# 100

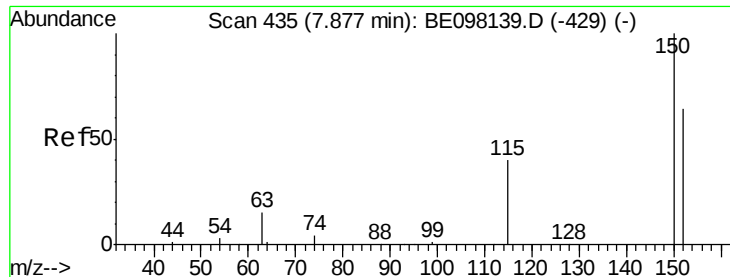
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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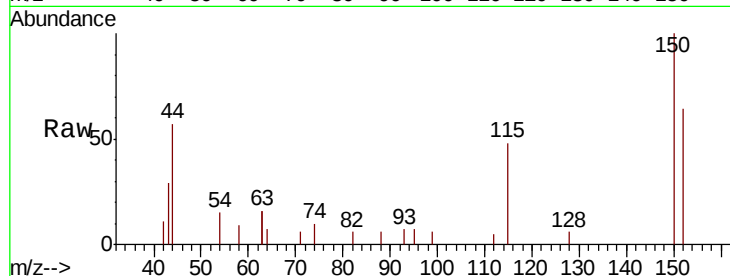


#1

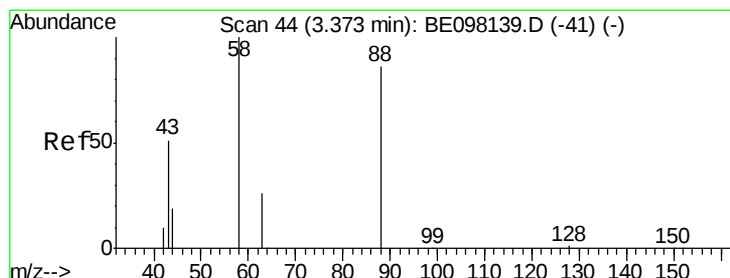
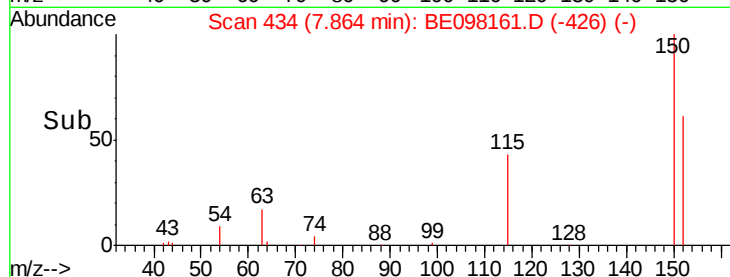
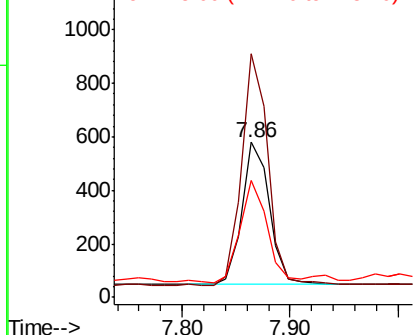
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.01 min
Lab File: BE098161.D
Acq: 5 Nov 2018 14:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 945
Ion Ratio Lower Upper
152 100
150 157.2 118.2 177.4
115 75.8 50.9 76.3



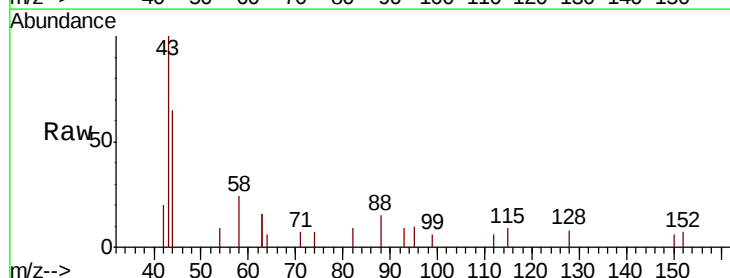
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



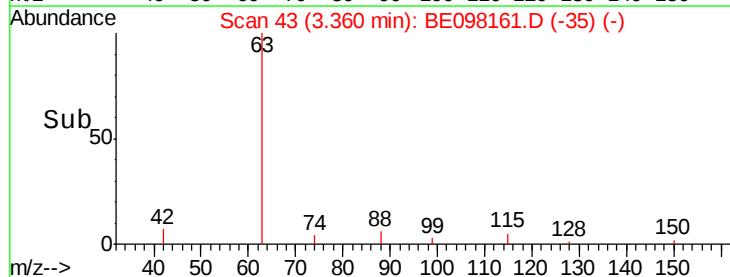
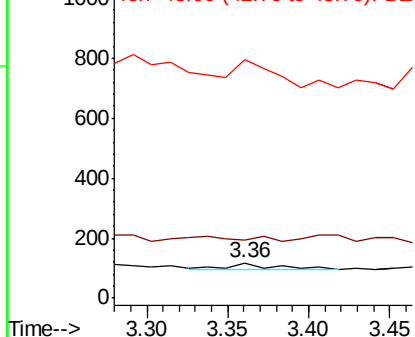
#2

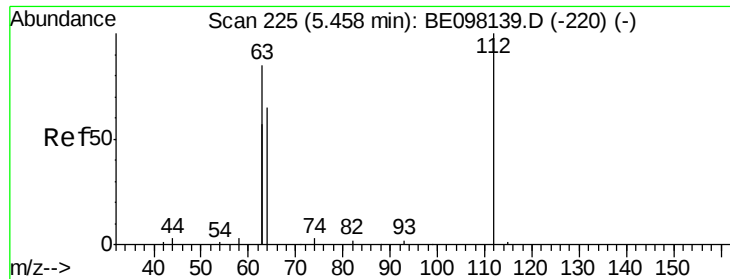
1,4-Dioxane
Concen: 0.033 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098161.D
Acq: 5 Nov 2018 14:42

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
58 0.0 73.2 109.8#
43 337.0 36.9 55.3#



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: 0.185 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampled :

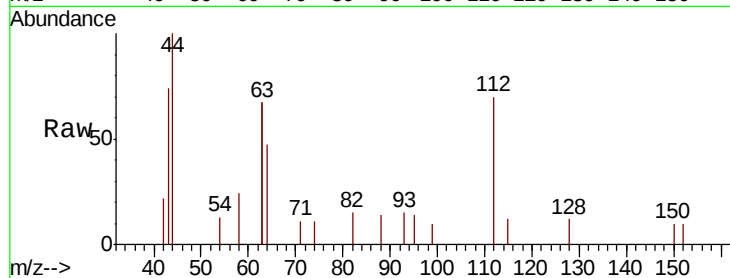
Tot Ion: 112 Resp: 520

Ion Ratio Lower Upper

112 100

64 82.1 58.9 88.3

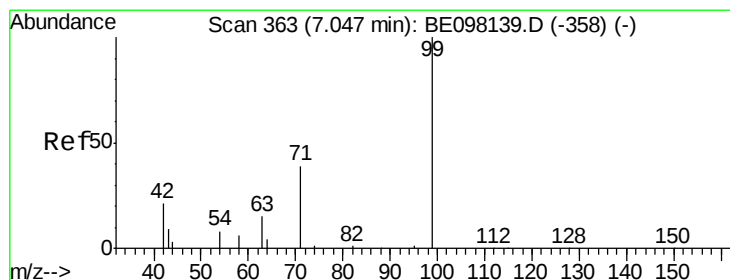
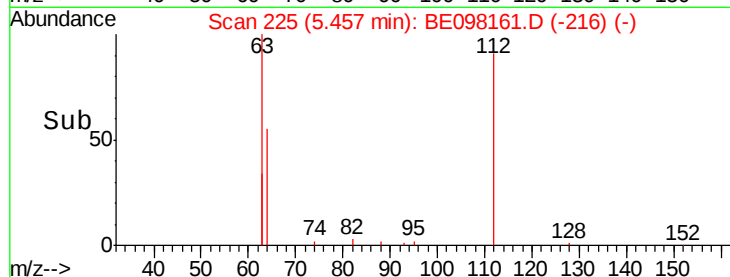
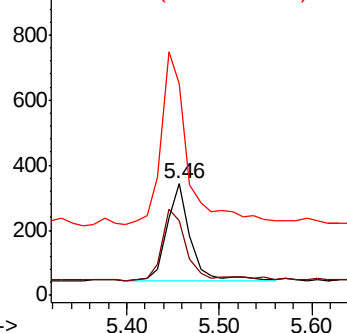
63 210.0 120.3 180.5#



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: 0.110 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

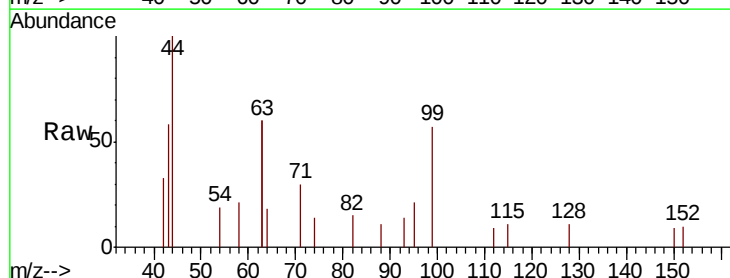
Tgt Ion: 99 Resp: 507

Ion Ratio Lower Upper

99 100

42 50.5 19.9 29.9#

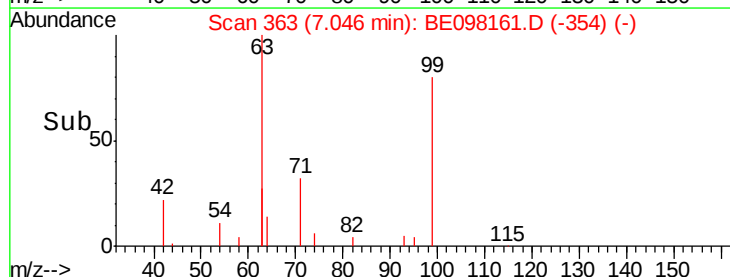
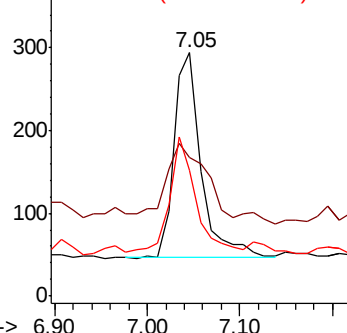
71 53.3 27.8 41.8#

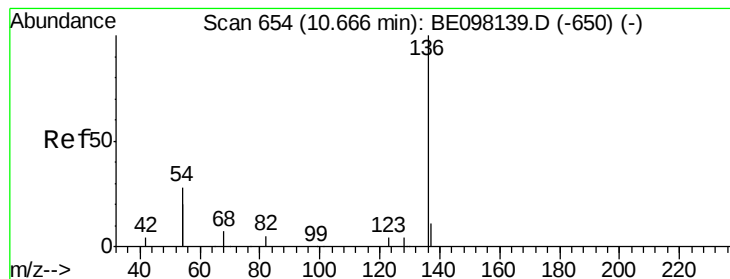


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4467

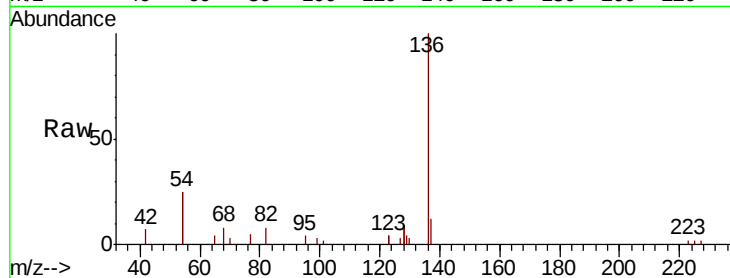
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 49.5 27.7 41.5#

68 7.9 5.3 7.9#

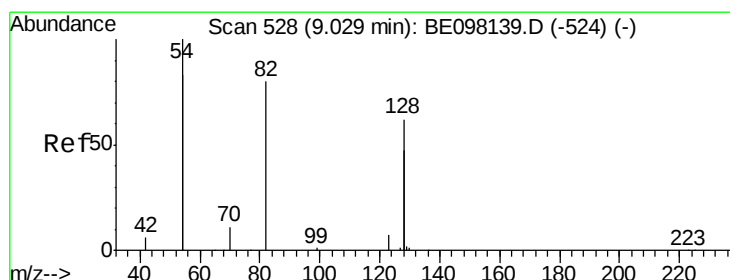
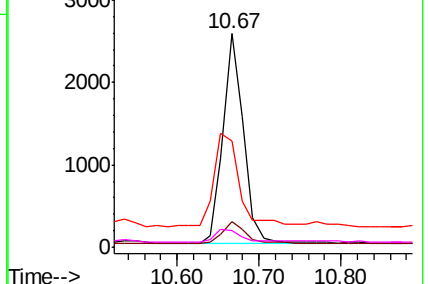
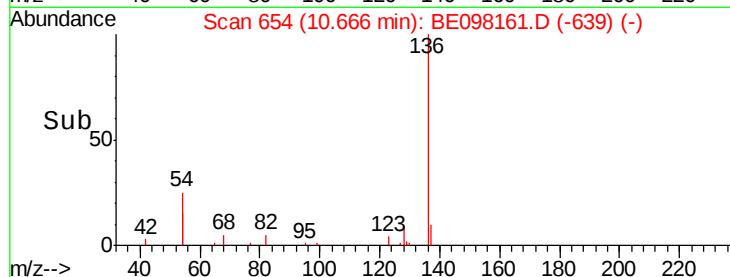


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.358 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.01 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

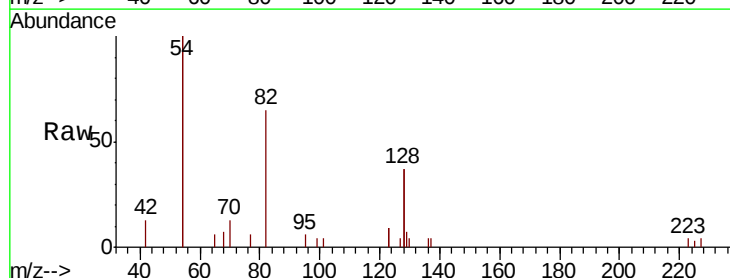
Tgt Ion: 82 Resp: 1713

Ion Ratio Lower Upper

82 100

128 112.9 129.9 194.9#

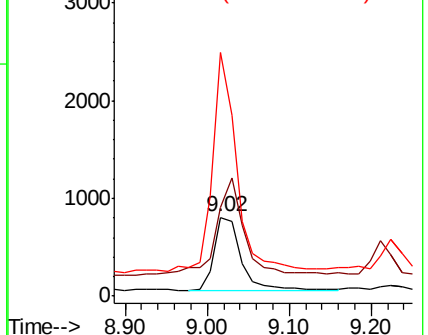
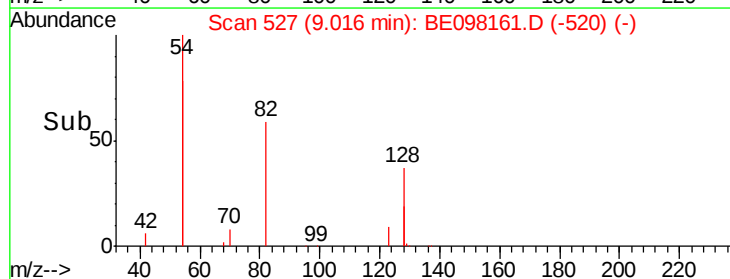
54 309.2 174.0 261.0#

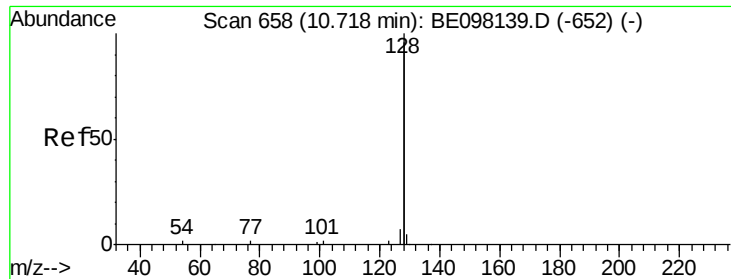


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

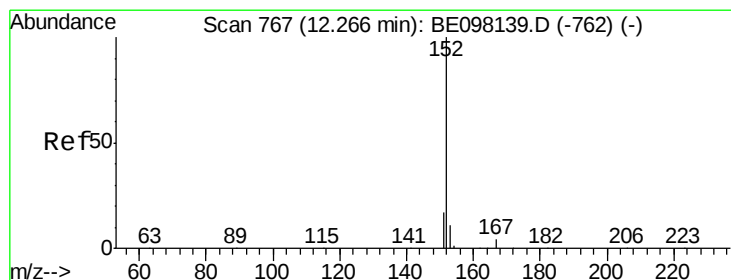
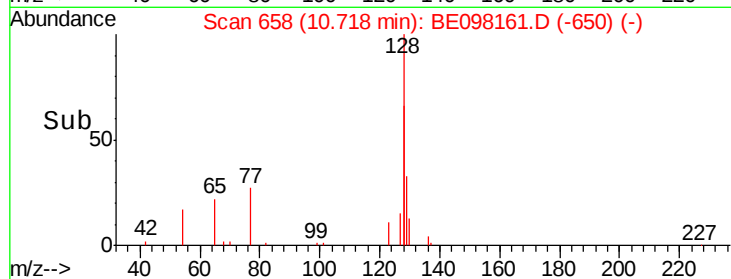
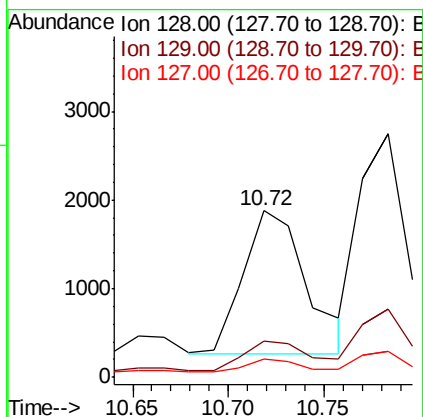
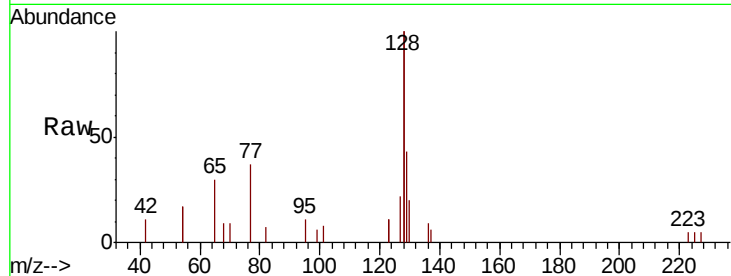




#9
Naphthalene
Concen: 0.083 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE098161.D
Acq: 5 Nov 2018 14:42

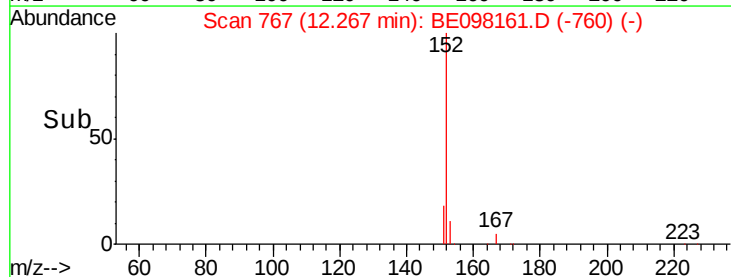
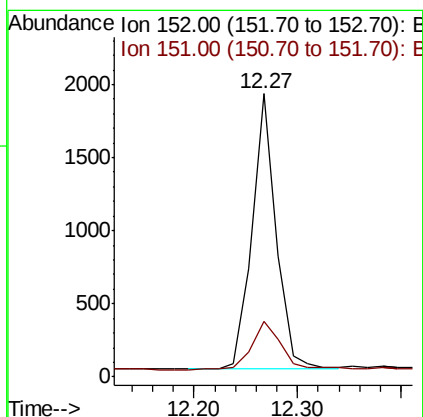
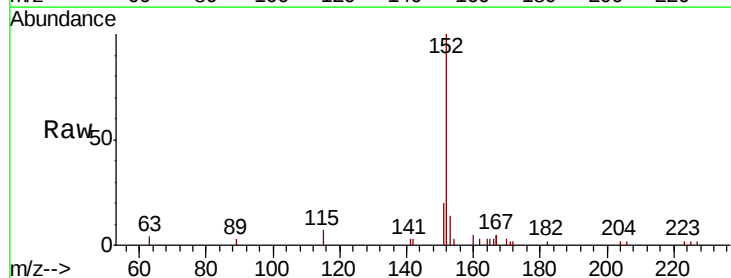
Instrument :
BNA_E
ClientSampleId :

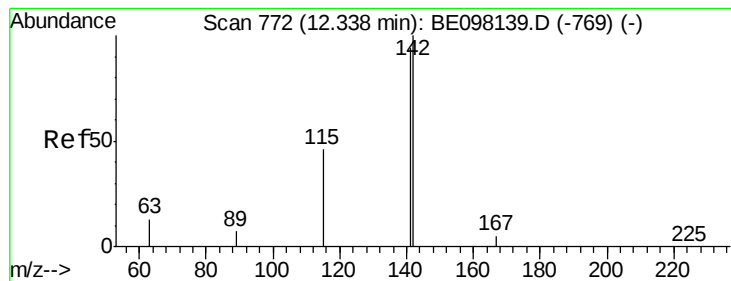
Tot Ion:128 Resp: 3702
Ion Ratio Lower Upper
128 100
129 21.6 2.5 3.7#
127 10.9 2.8 4.2#



#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098161.D
Acq: 5 Nov 2018 14:42

Tgt Ion:152 Resp: 3053
Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.027 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampleId :

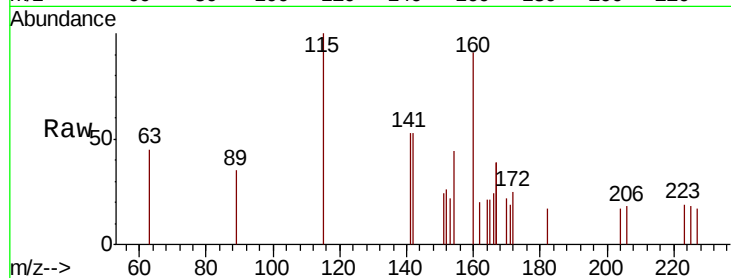
Tot Ion:142 Resp: 214

Ion Ratio Lower Upper

142 100

141 100.7 69.8 104.6

115 188.3 30.5 45.7#



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

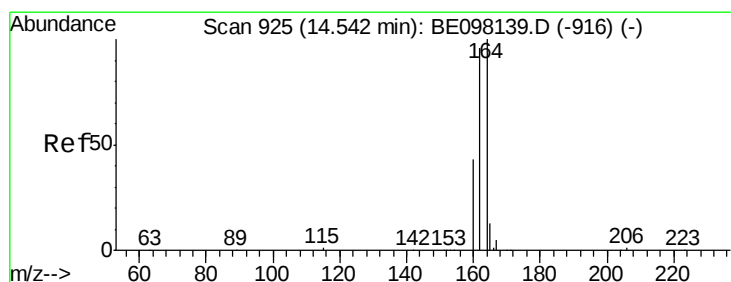
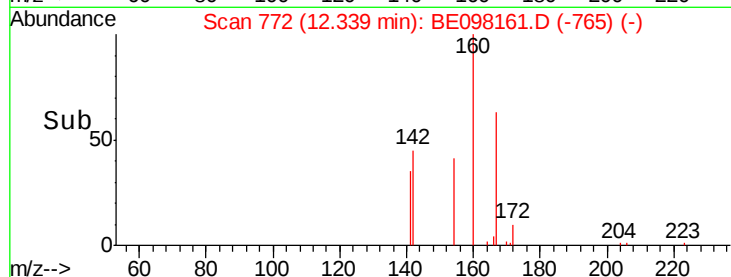
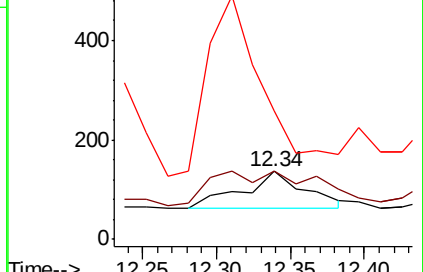
600

400

200

120

12.25 12.30 12.35 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

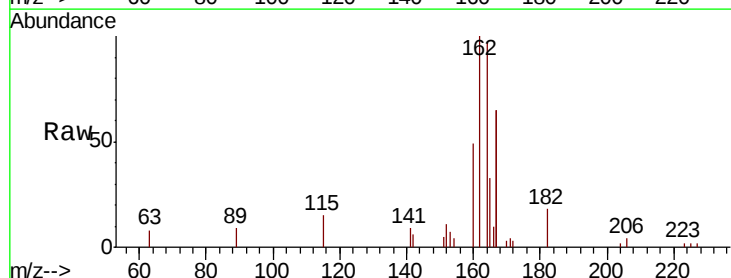
Tgt Ion:164 Resp: 3230

Ion Ratio Lower Upper

164 100

162 103.5 77.4 116.2

160 50.7 36.5 54.7



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

2500

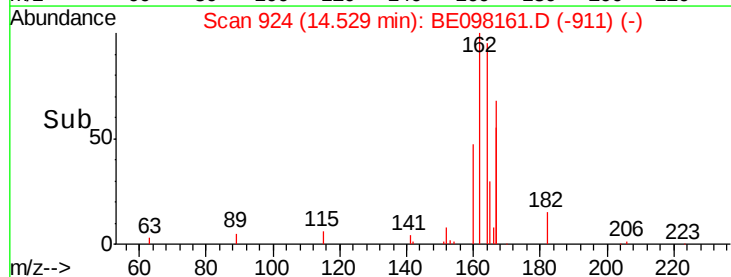
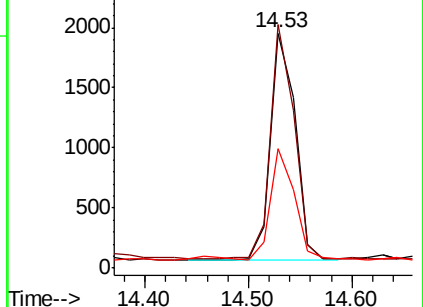
2000

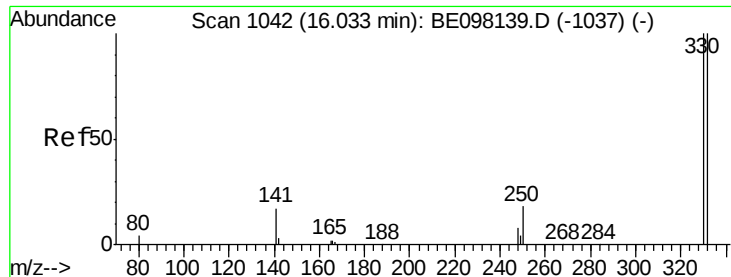
1500

1000

500

14.40 14.50 14.60





#14

2,4,6-Tribromophenol

Concen: 0.402 ng

RT: 16.02 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampled :

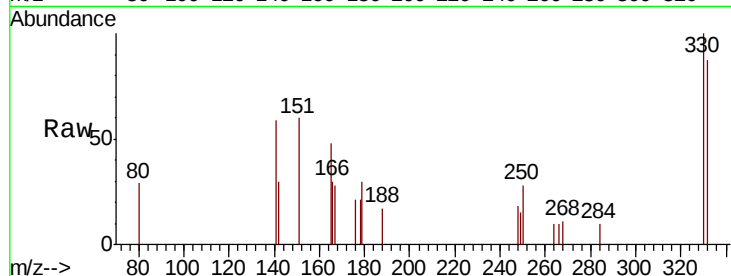
Tot Ion:330 Resp: 615

Ion Ratio Lower Upper

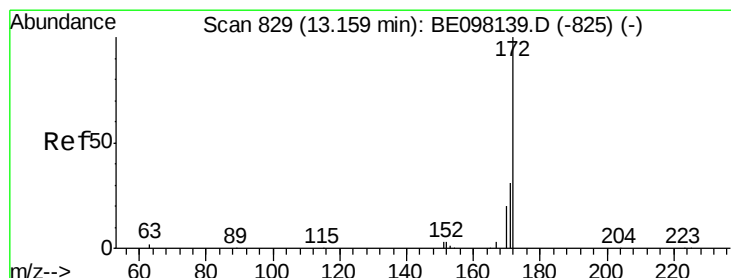
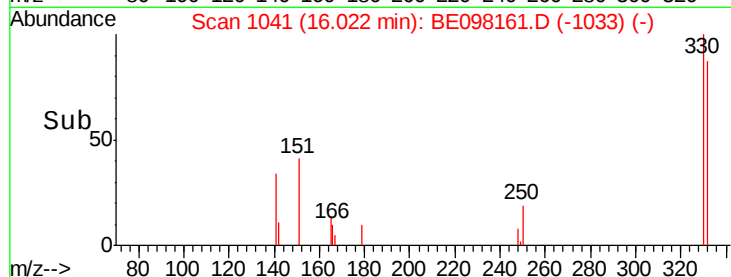
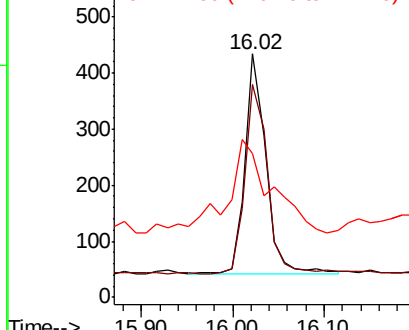
330 100

332 93.0 76.5 114.7

141 85.7 31.8 47.6#



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: 0.449 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

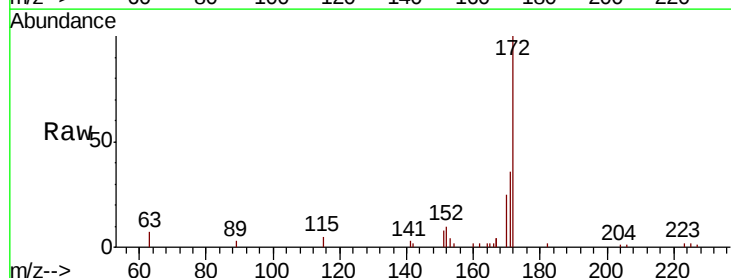
Tgt Ion:172 Resp: 5958

Ion Ratio Lower Upper

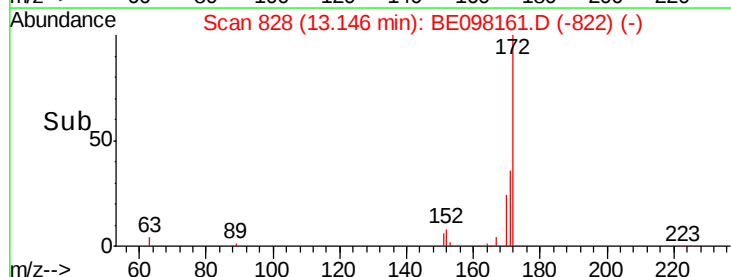
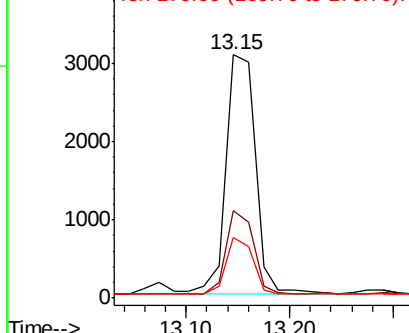
172 100

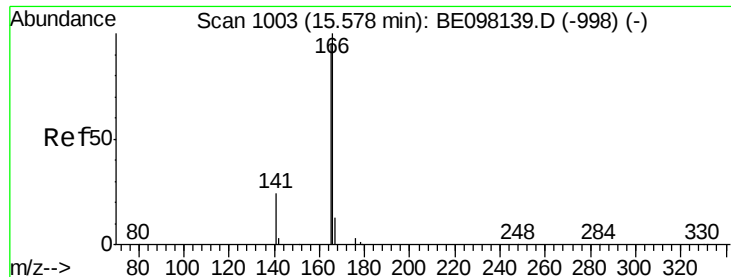
171 36.2 26.0 39.0

170 24.9 18.0 27.0



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

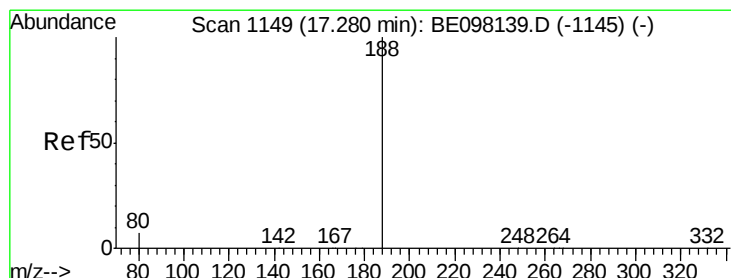
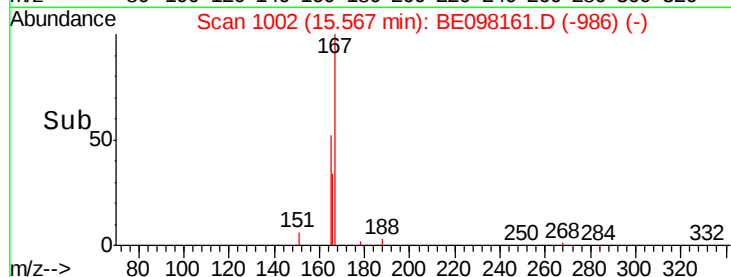
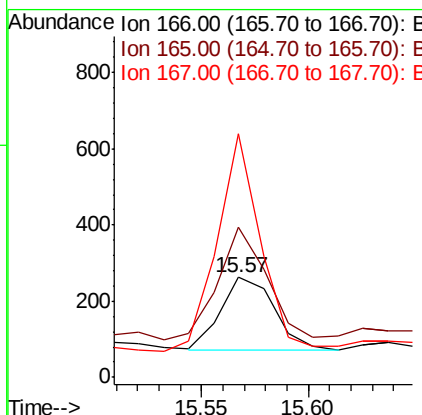
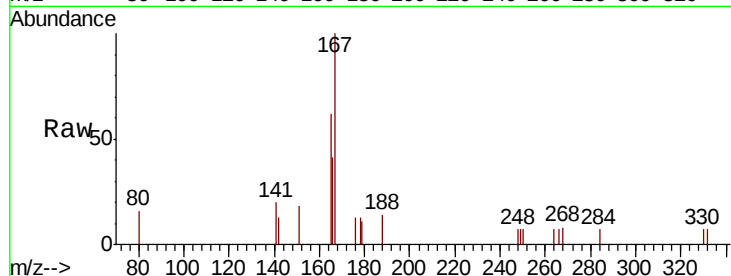




#18
 Fluorene
 Concen: 0.028 ng
 RT: 15.57 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BE098161.D
 Acq: 5 Nov 2018 14:42

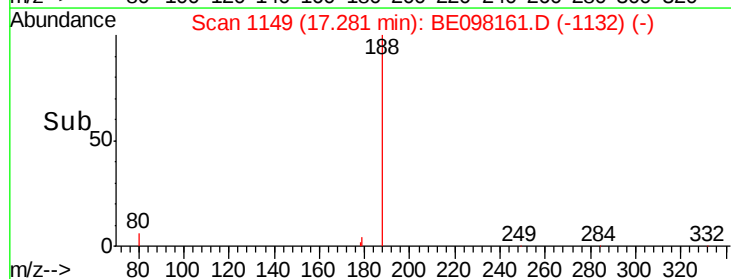
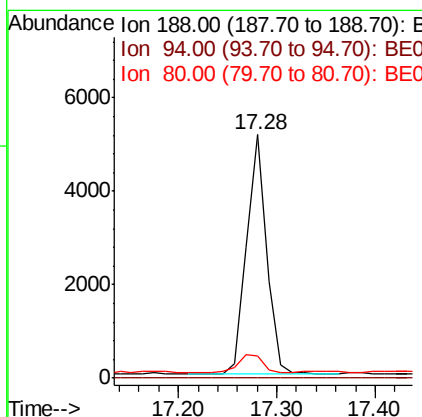
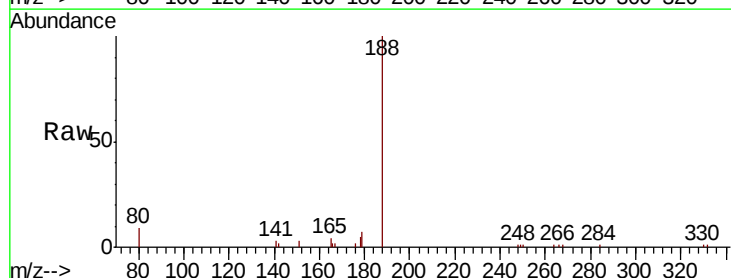
Instrument :
 BNA_E
 ClientSampleId :

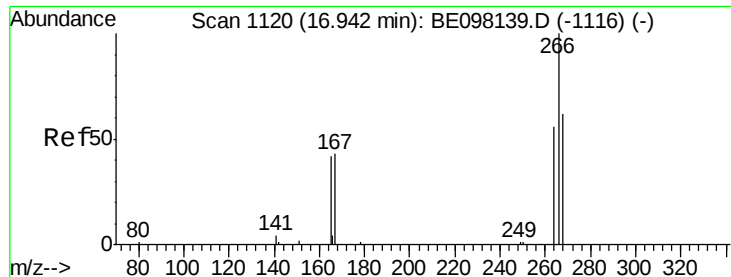
Tot Ion:166 Resp: 334
 Ion Ratio Lower Upper
 166 100
 165 141.6 78.2 117.4#
 167 241.3 11.0 16.6#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.28 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BE098161.D
 Acq: 5 Nov 2018 14:42

Tgt Ion:188 Resp: 7228
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 9.0 6.3 9.5

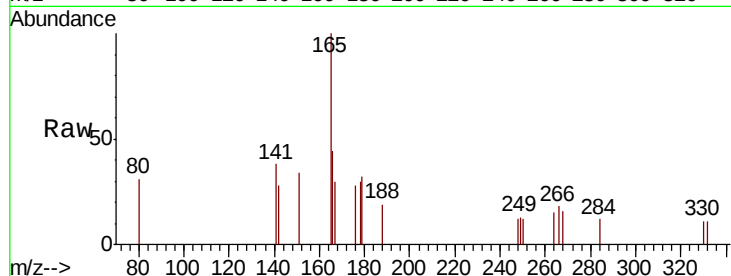




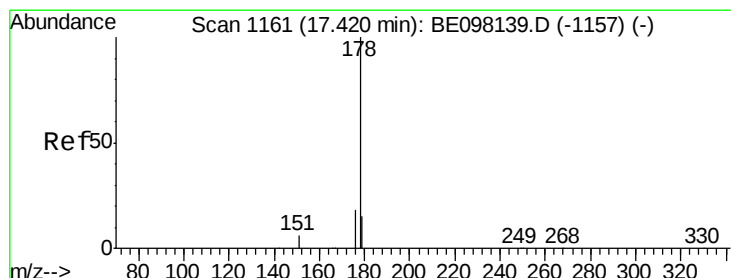
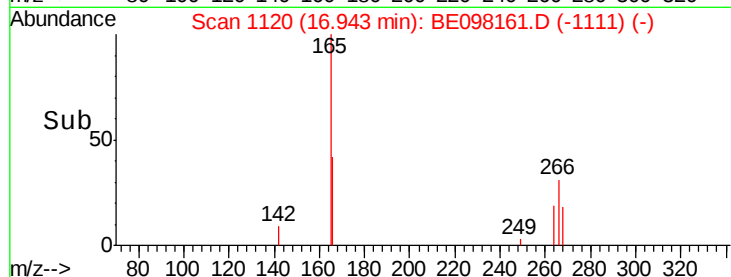
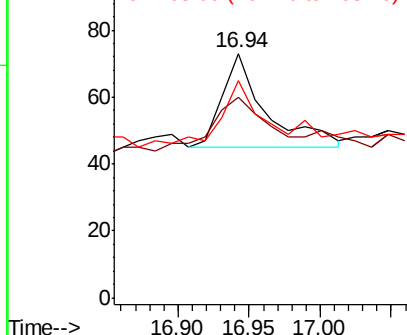
#22
 Pentachlorophenol
 Concen: 0.177 ng
 RT: 16.94 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE098161.D
 Acq: 5 Nov 2018 14:42

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:266 Resp: 59
 Ion Ratio Lower Upper
 266 100
 264 82.2 51.3 76.9#
 268 89.0 50.1 75.1#

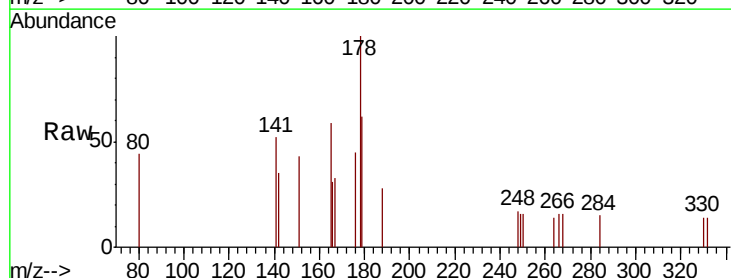


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

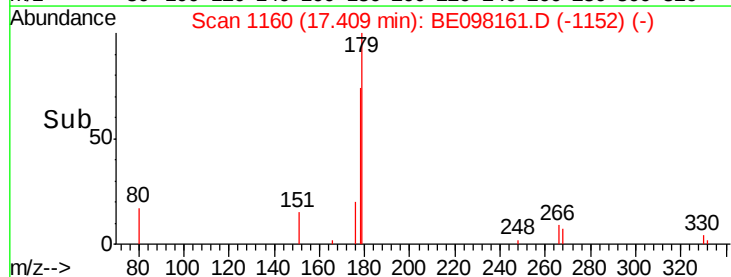
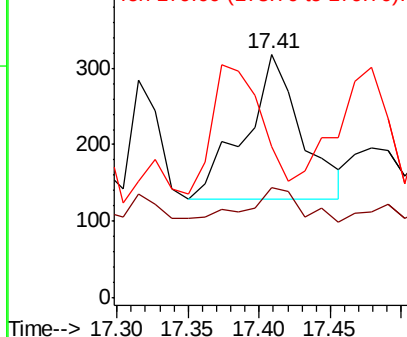


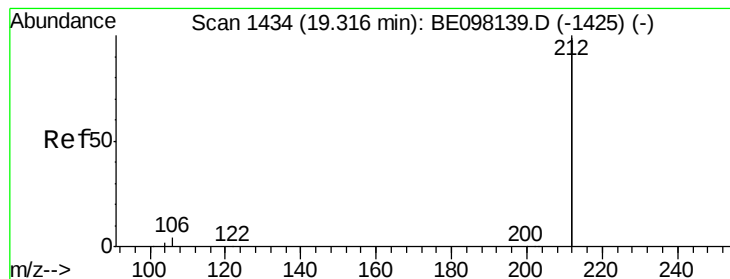
#24
 Anthracene
 Concen: 0.031 ng
 RT: 17.41 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BE098161.D
 Acq: 5 Nov 2018 14:42

Tgt Ion:178 Resp: 520
 Ion Ratio Lower Upper
 178 100
 176 22.1 14.9 22.3
 179 0.0 11.9 17.9#



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: 0.384 ng

RT: 19.31 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampleId :

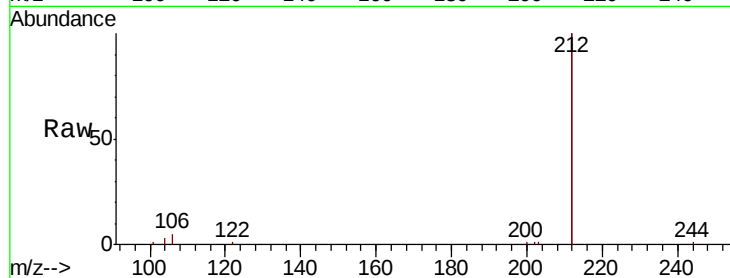
Tot Ion:212 Resp: 35841

Ion Ratio Lower Upper

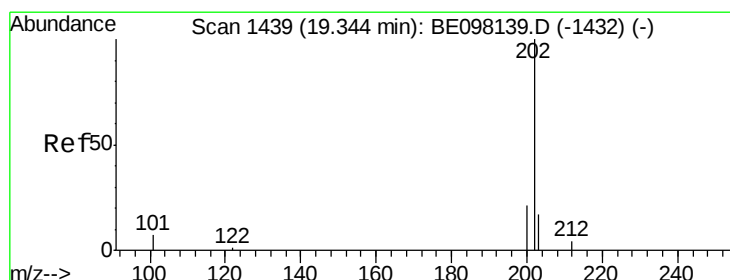
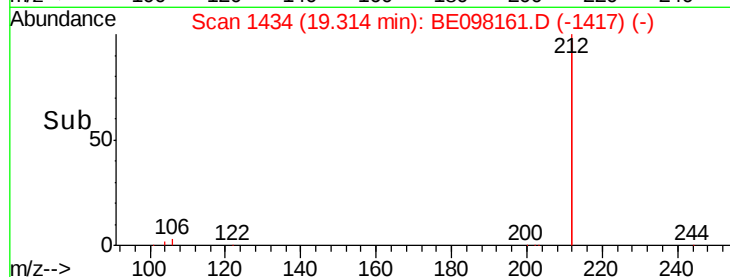
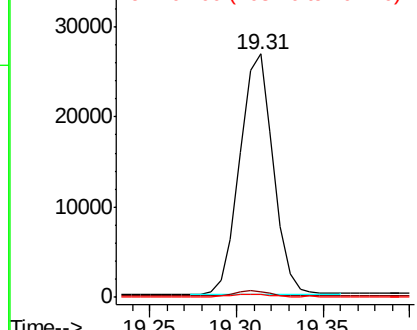
212 100

106 2.2 2.3 3.5#

104 1.2 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



#26

Fluoranthene

Concen: 0.061 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

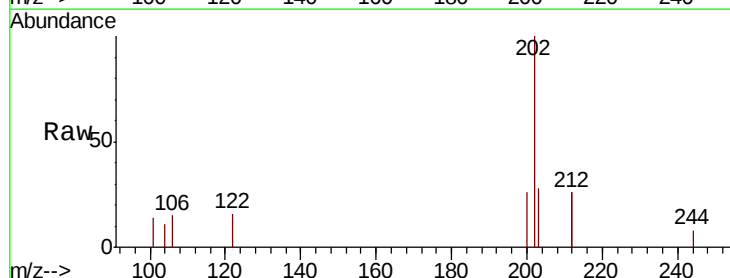
Tgt Ion:202 Resp: 1368

Ion Ratio Lower Upper

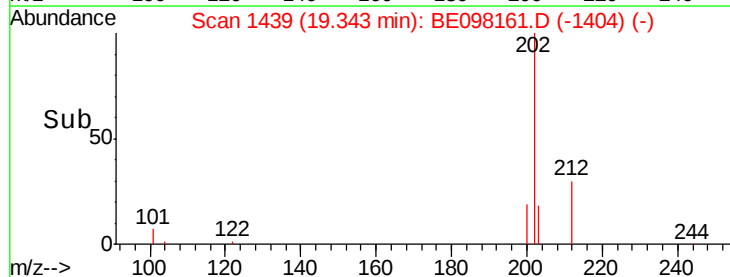
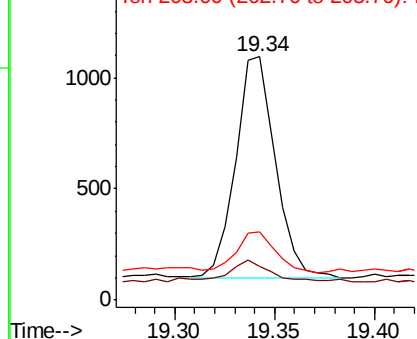
202 100

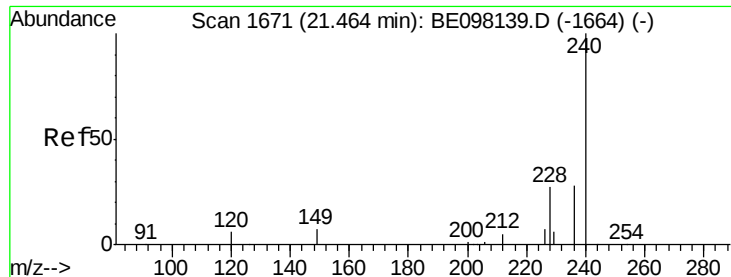
101 12.4 8.2 12.2#

203 18.3 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampleId :

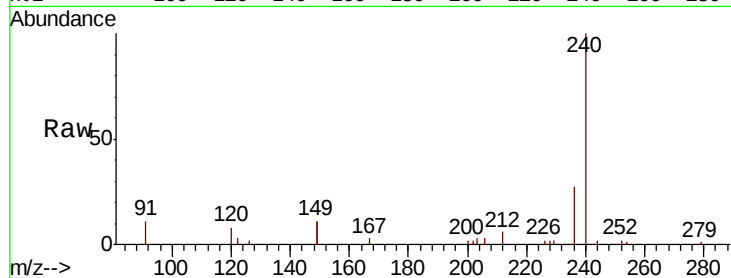
Tot Ion:240 Resp: 8219

Ion Ratio Lower Upper

240 100

120 8.5 7.1 10.7

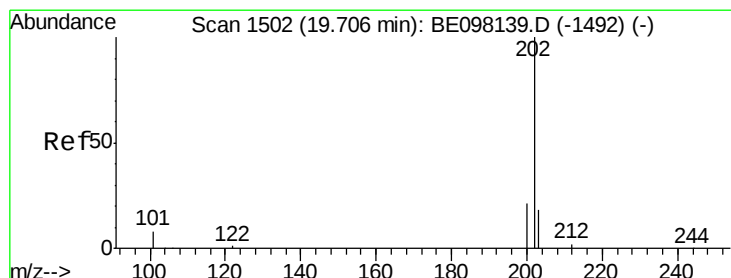
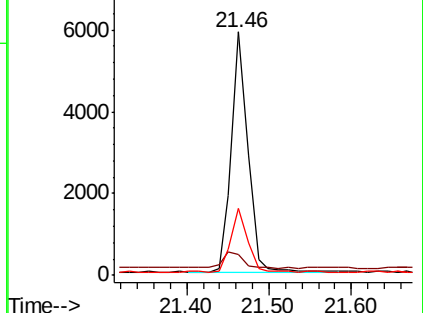
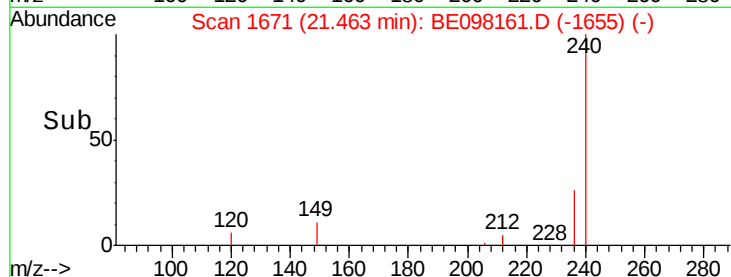
236 27.4 21.3 31.9



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



#28

Pyrene

Concen: 0.128 ng

RT: 19.70 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

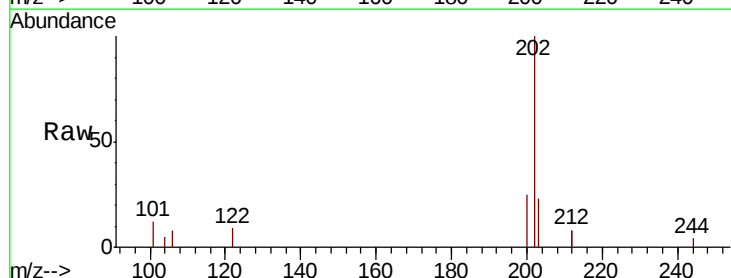
Tgt Ion:202 Resp: 2872

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.4

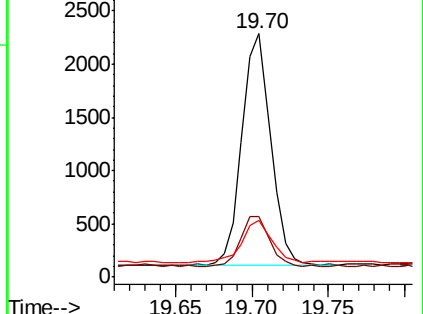
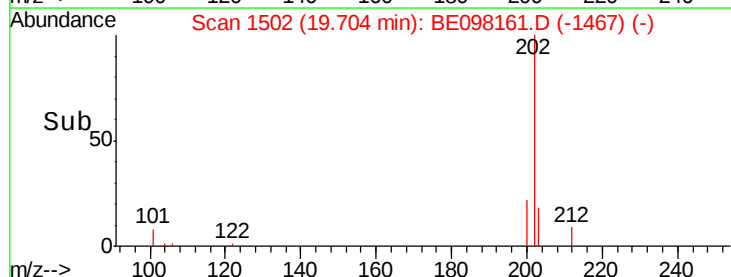
203 19.1 14.2 21.4

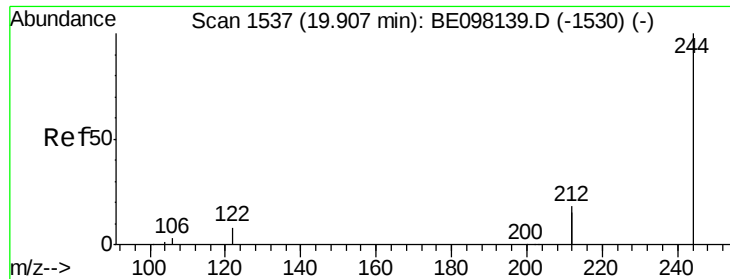


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.447 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampleId :

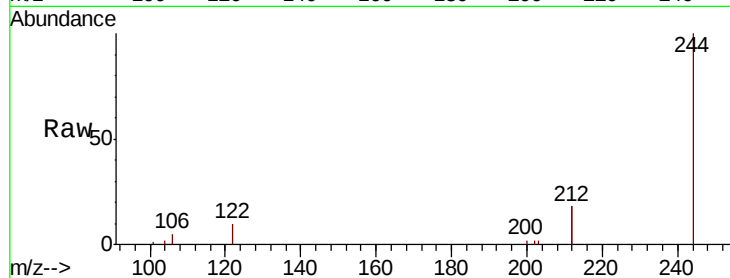
Tot Ion:244 Resp: 8544

Ion Ratio Lower Upper

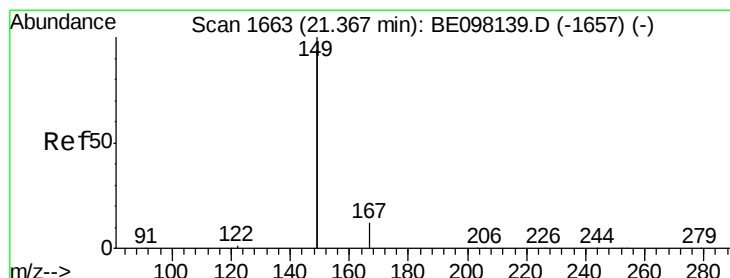
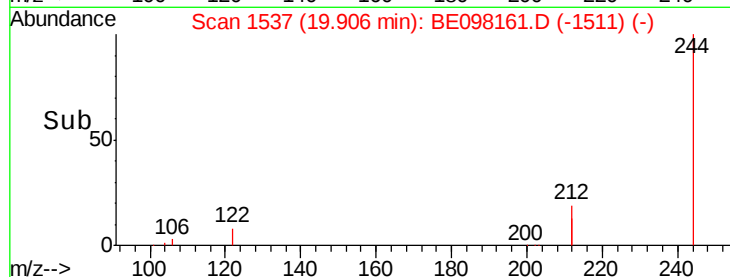
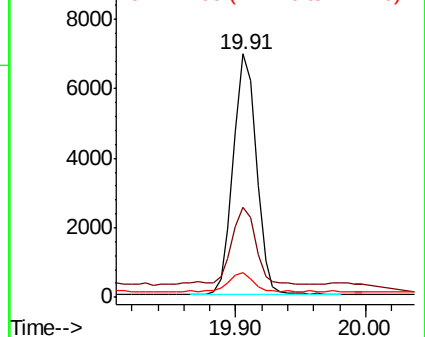
244 100

212 37.0 26.2 39.2

122 10.2 7.7 11.5



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: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

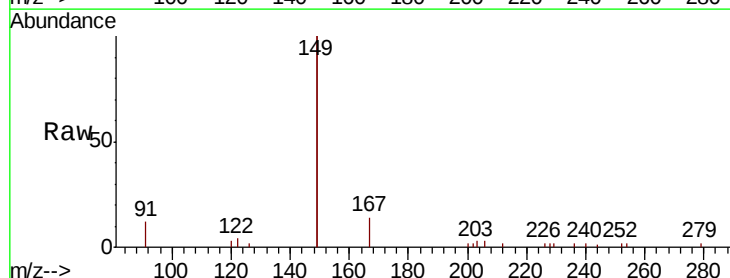
Tgt Ion:149 Resp: 13685

Ion Ratio Lower Upper

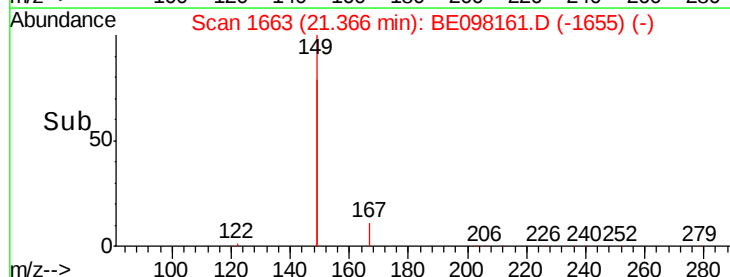
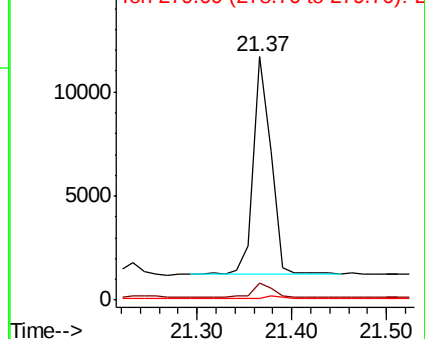
149 100

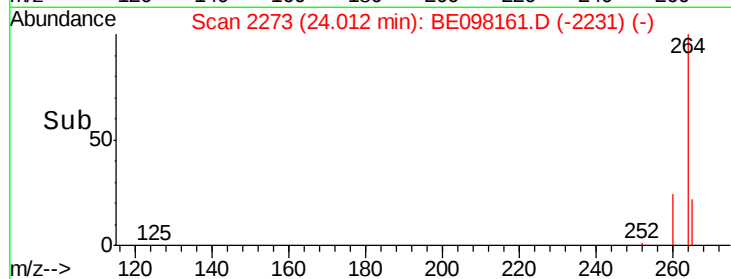
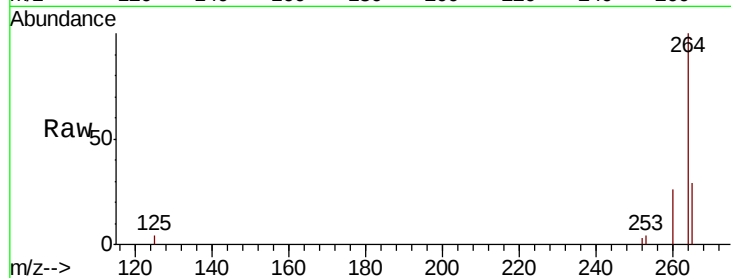
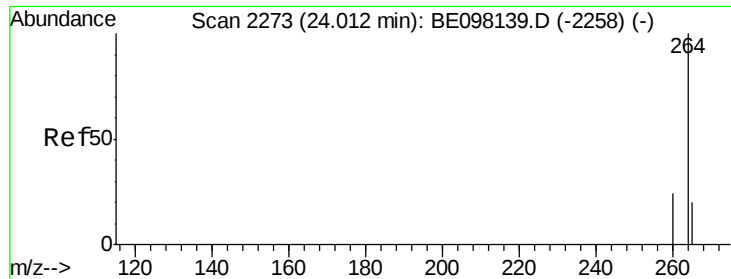
167 7.1 5.6 8.4

279 1.4 0.9 1.3#



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

Pervlene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE098161.D

Acq: 5 Nov 2018 14:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 7882

Ion Ratio Lower Upper

264 100

260 25.8 21.1 31.7

265 29.4 29.2 43.8

