

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030819\
 Data File : BE098831.D
 Acq On : 8 Mar 2019 10:42
 Operator : JU/SJ
 Sample : PB117716BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117716BL

Quant Time: Mar 08 12:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

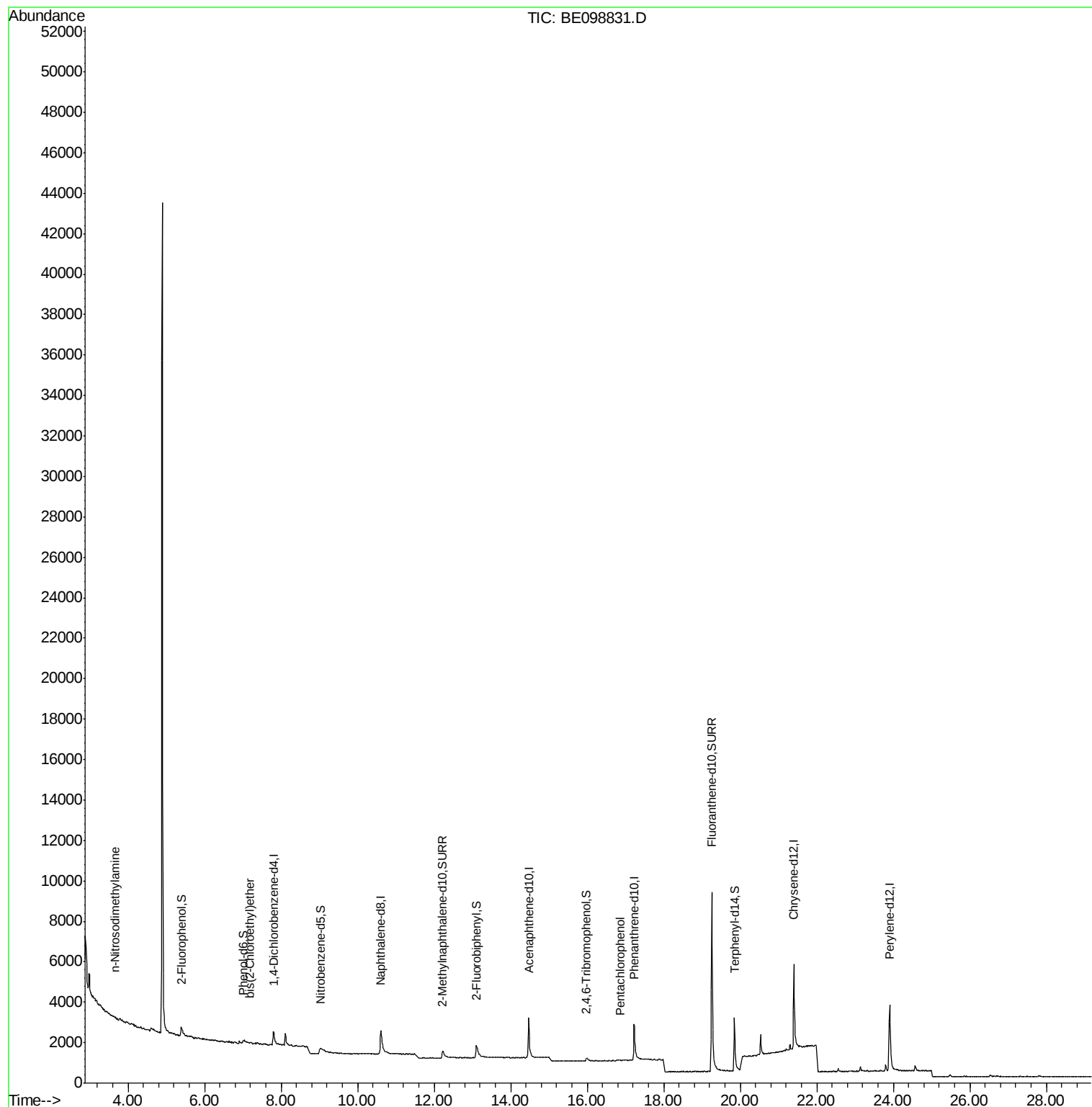
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	649	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	2675	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	1973	0.40	ng	0.01
19) Phenanthrene-d10	17.22	188	5303	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6373	0.40	ng	0.00
34) Perylene-d12	23.90	264	6438	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	448	0.23	ng	0.01
5) Phenol-d6	7.02	99	571	0.21	ng	0.04
8) Nitrobenzene-d5	9.03	82	333	0.12	ng	0.07
11) 2-Methylnaphthalene-d10	12.22	152	1143	0.23	ng	0.03
14) 2,4,6-Tribromophenol	15.98	330	158	0.16	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	1773	0.22	ng	0.01
25) Fluoranthene-d10	19.25	212	18539	0.22	ng	0.00
29) Terphenyl-d14	19.85	244	3724	0.24	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.29	88	12	Below Cal	#	1
3) n-Nitrosodimethylamine	3.65	42	59	0.036 ng	#	14
6) bis(2-Chloroethyl)ether	7.17	93	50	0.024 ng	#	1
22) Pentachlorophenol	16.87	266	6	0.270 ng		87

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

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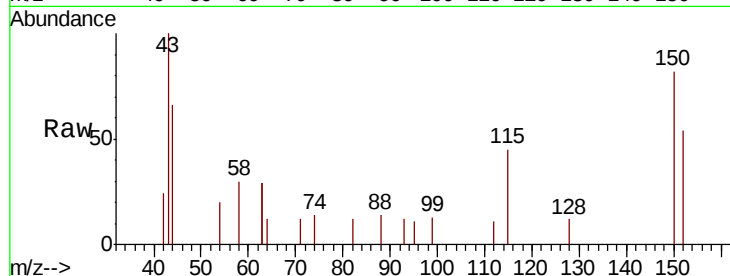


#1

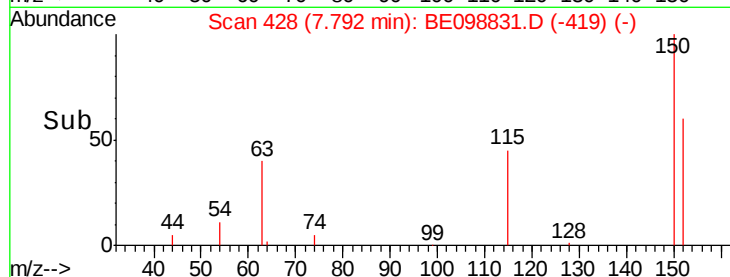
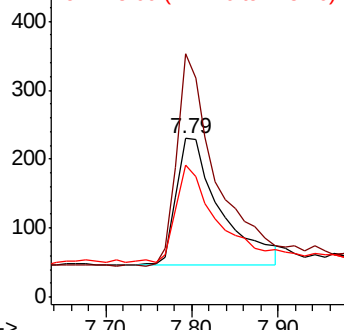
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098831.D
Acq: 8 Mar 2019 10:42

Instrument :
BNA_E
ClientSampleId :
PB117716BL

Tot Ion:152 Resp: 649
Ion Ratio Lower Upper
152 100
150 153.5 122.5 183.7
115 83.0 57.4 86.2



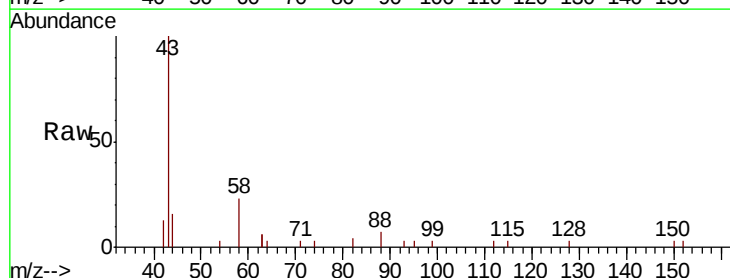
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



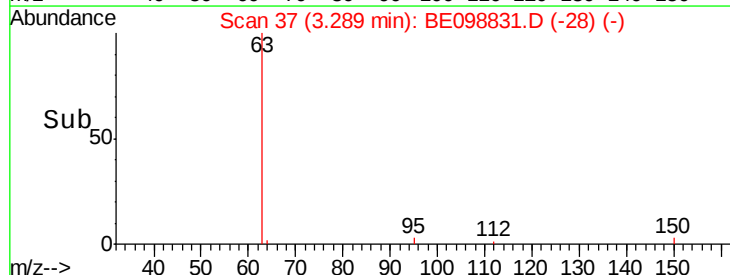
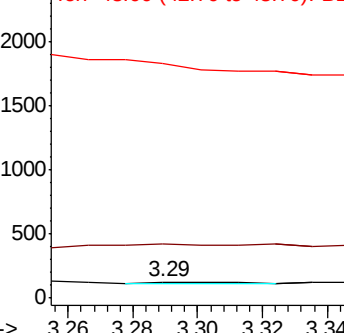
#2

1,4-Dioxane
Concen: Below Cal
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098831.D
Acq: 8 Mar 2019 10:42

Tgt Ion: 88 Resp: 12
Ion Ratio Lower Upper
88 100
58 433.3 75.8 113.6#
43 0.0 41.8 62.8#



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: 0.036 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.02 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

Instrument :

BNA_E

ClientSampleId :

PB117716BL

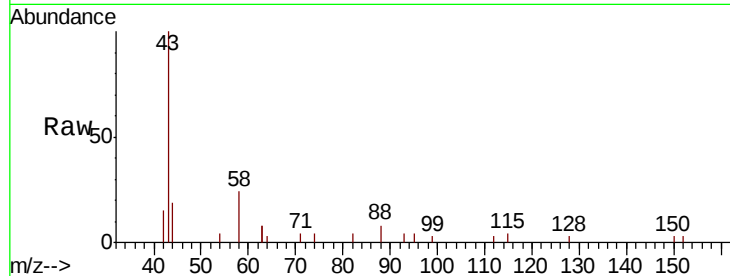
Tot Ion: 42 Resp: 59

Ion Ratio Lower Upper

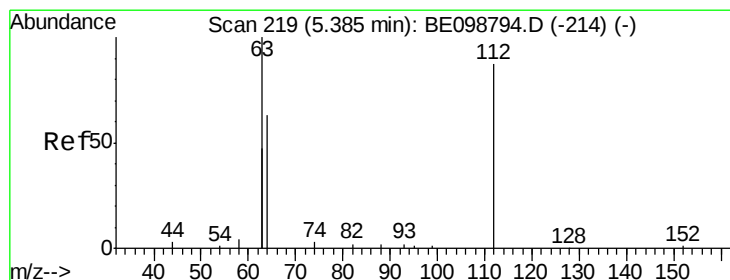
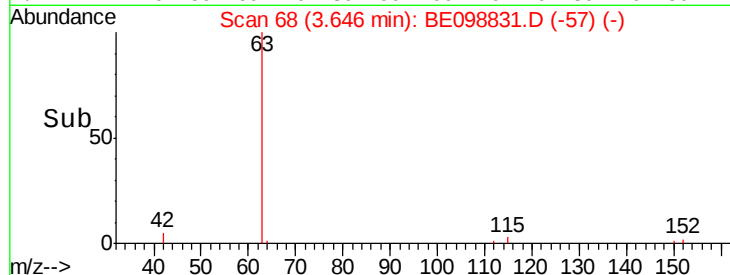
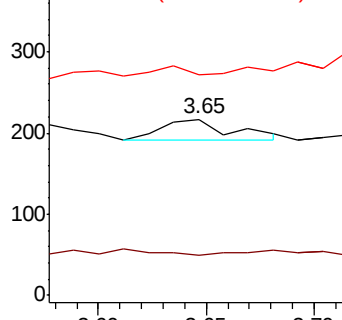
42 100

74 0.0 57.0 85.4#

44 22.0 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: 0.231 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

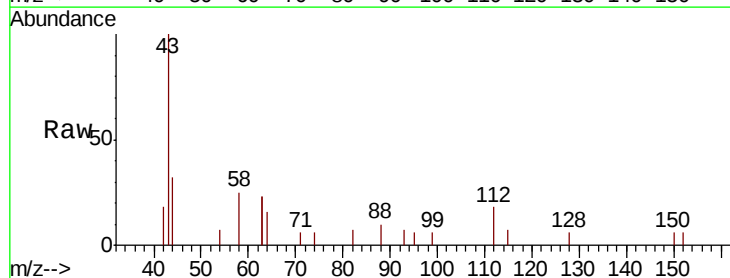
Tgt Ion: 112 Resp: 448

Ion Ratio Lower Upper

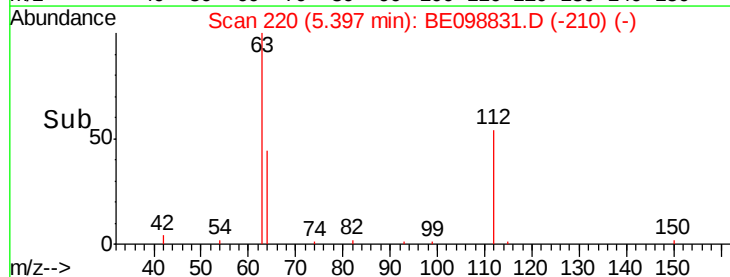
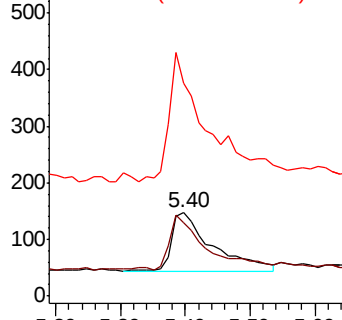
112 100

64 83.7 57.9 86.9

63 216.3 158.3 237.5



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: 0.208 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.04 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

Instrument :

BNA_E

ClientSampleId :

PB117716BL

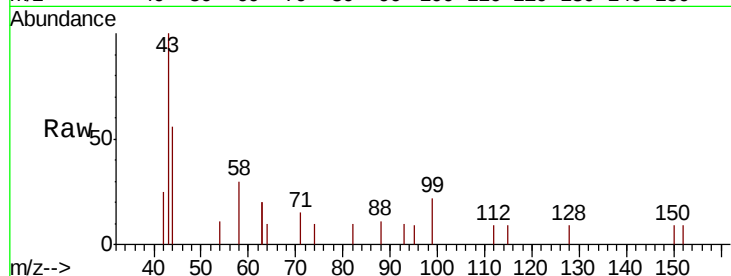
Tot Ion: 99 Resp: 571

Ion Ratio Lower Upper

99 100

42 25.6 24.2 36.2

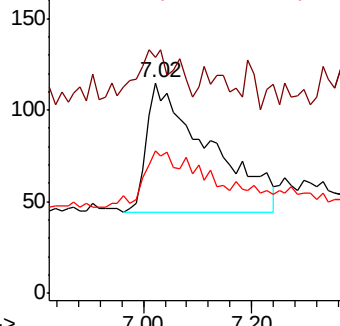
71 22.6 35.7 53.5#



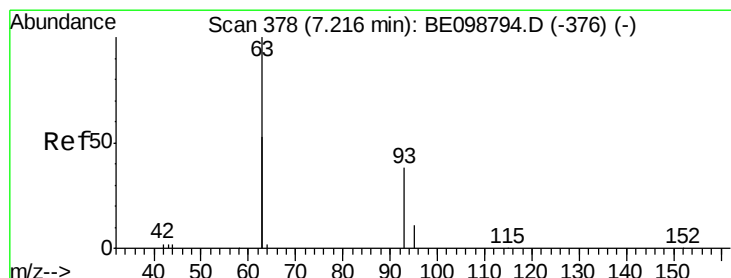
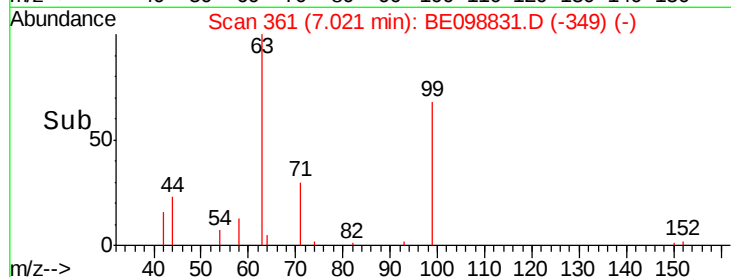
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 7.17 min Scan# 374

Delta R.T. -0.05 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

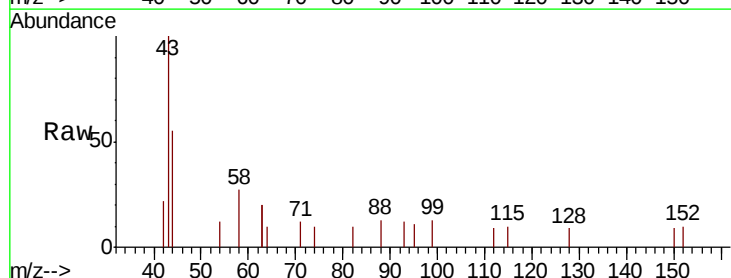
Tgt Ion: 93 Resp: 50

Ion Ratio Lower Upper

93 100

63 44.0 247.5 371.3#

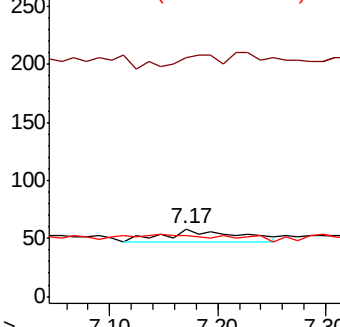
95 0.0 21.8 32.8#



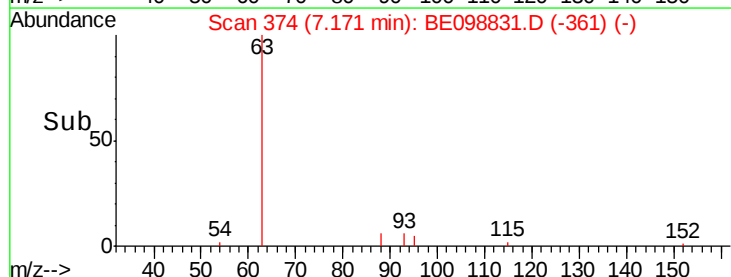
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

Instrument :

BNA_E

ClientSampleId :

PB117716BL

Tot Ion:136 Resp: 2675

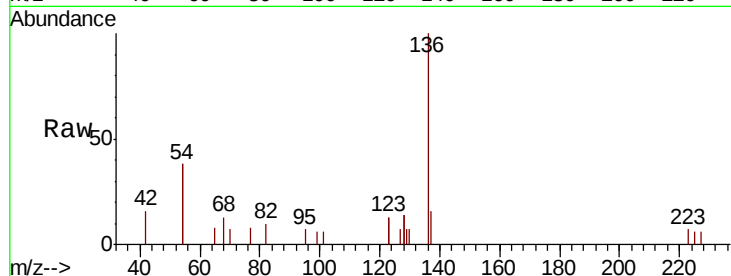
Ion Ratio Lower Upper

136 100

137 15.6 11.4 17.0

54 75.8 39.3 58.9#

68 13.1 6.7 10.1#

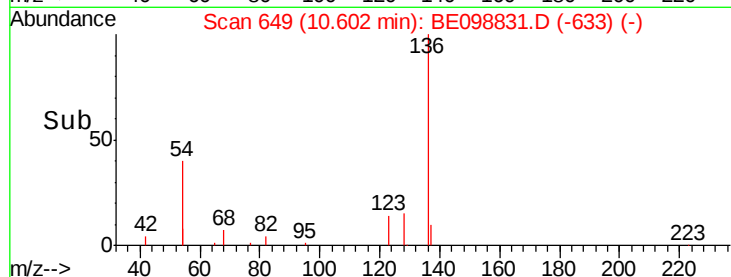


Abundance Ion 136.00 (135.70 to 136.70): E

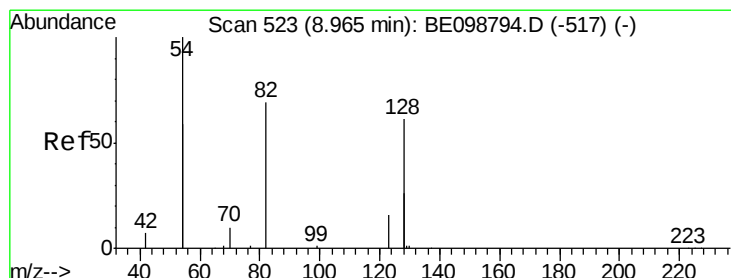
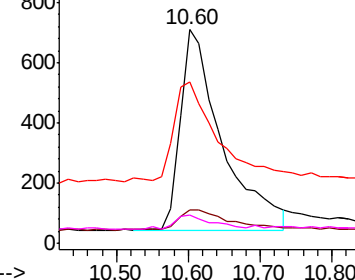
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.119 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.07 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

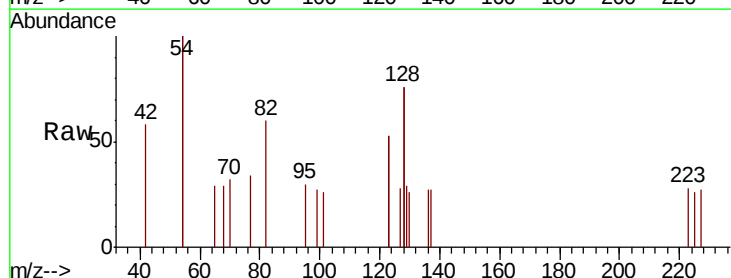
Tgt Ion: 82 Resp: 333

Ion Ratio Lower Upper

82 100

128 251.9 123.8 185.8#

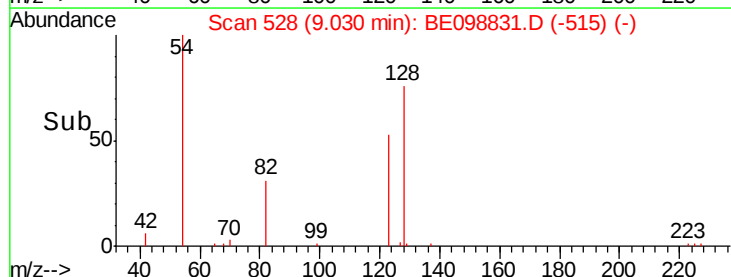
54 332.7 203.4 305.2#



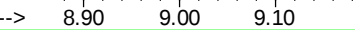
Abundance Ion 82.00 (81.70 to 82.70): BE0

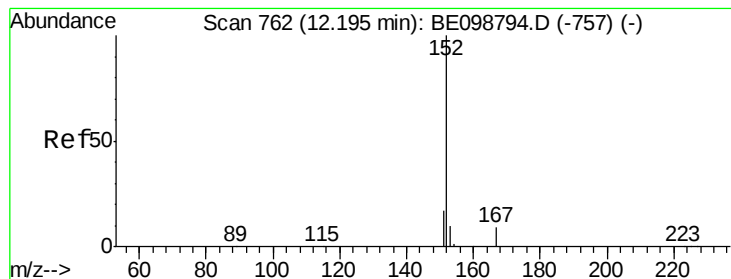
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.231 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.03 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

Instrument :

BNA_E

ClientSampleId :

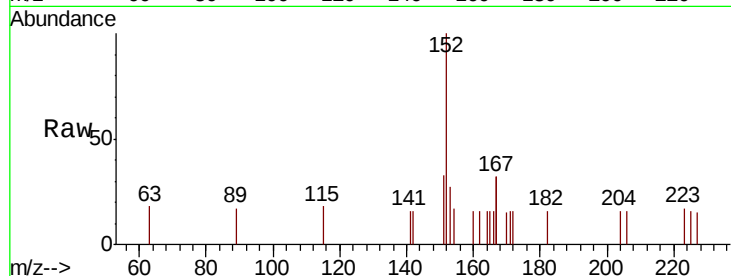
PB117716BL

Tot Ion:152 Resp: 1143

Ion Ratio Lower Upper

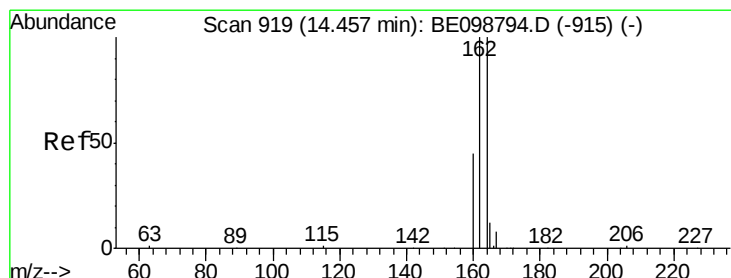
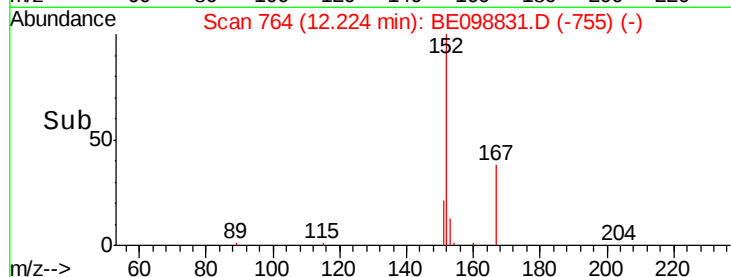
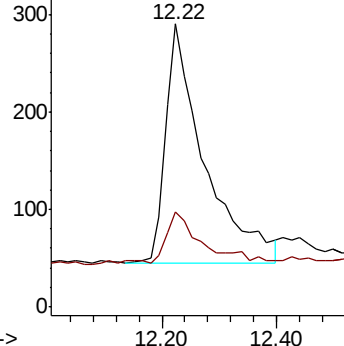
152 100

151 17.2 16.5 24.7



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: 14.47 min Scan# 920

Delta R.T. 0.01 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

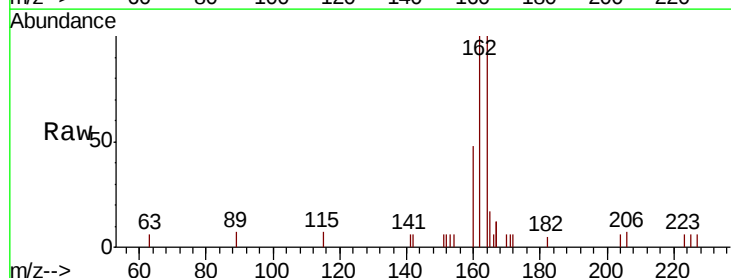
Tgt Ion:164 Resp: 1973

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.2

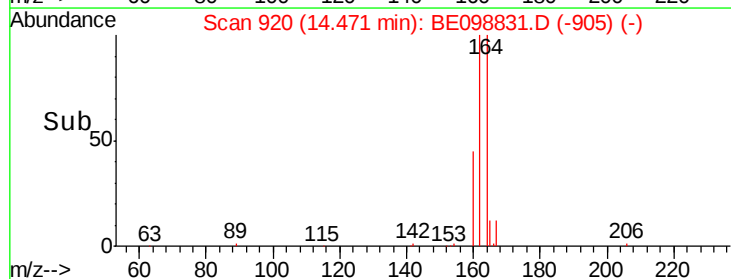
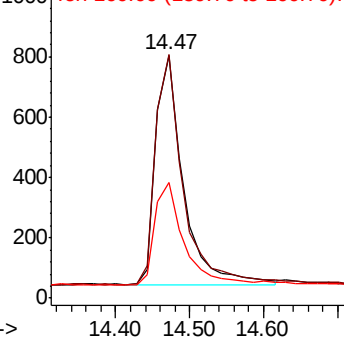
160 47.8 37.8 56.8

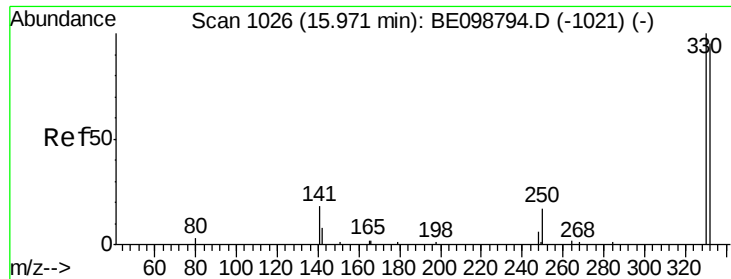


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

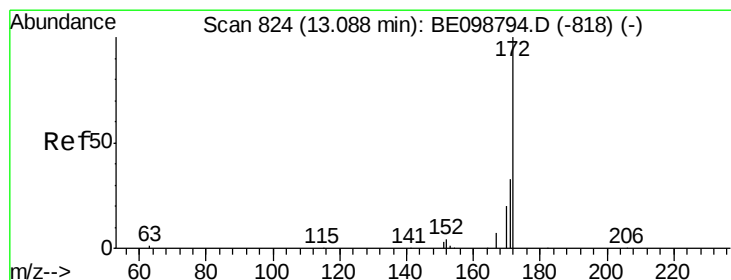
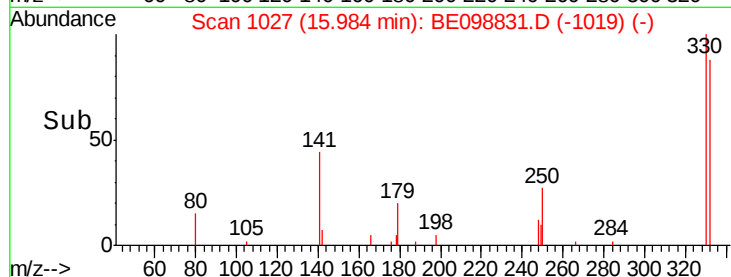
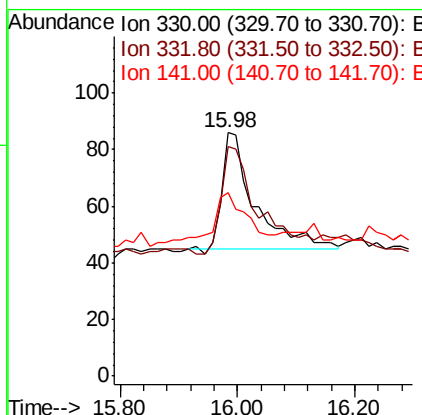
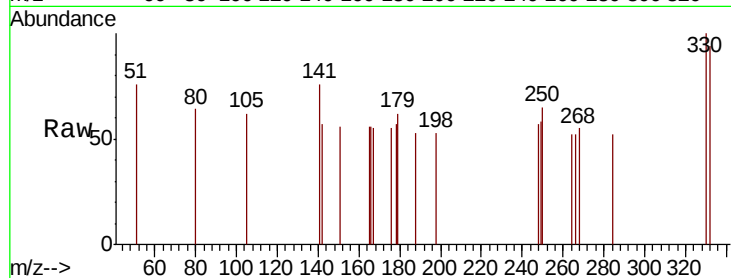




#14
 2,4,6-Tribromophenol
 Concen: 0.159 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BE098831.D
 Acq: 8 Mar 2019 10:42

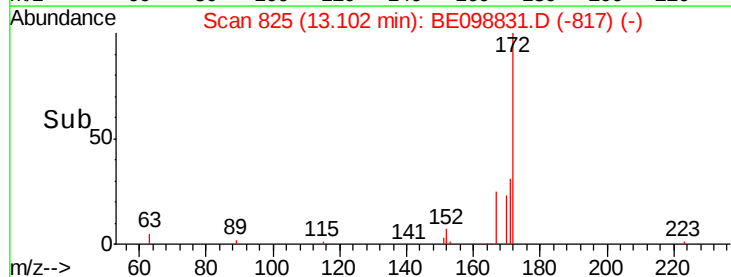
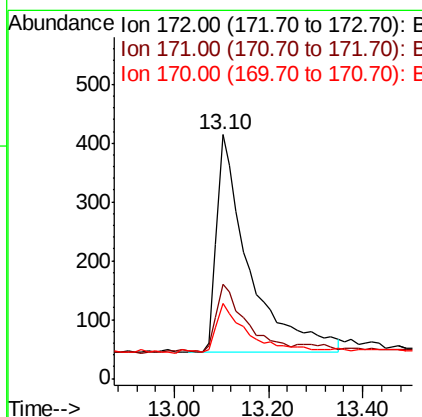
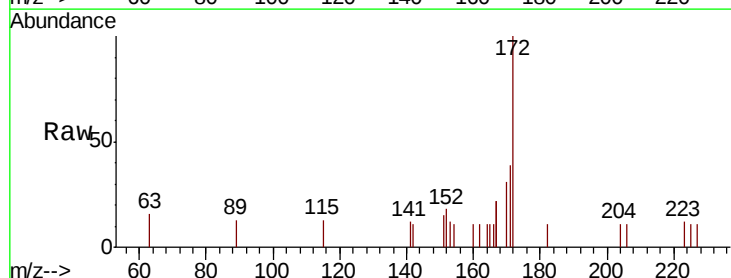
Instrument :
 BNA_E
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 PB117716BL

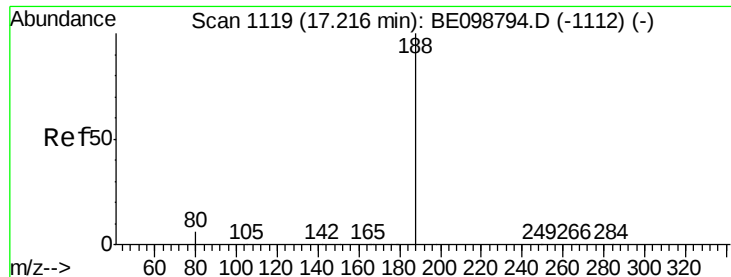
Tot Ion:330 Resp: 158
 Ion Ratio Lower Upper
 330 100
 332 110.1 77.6 116.4
 141 31.6 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.217 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BE098831.D
 Acq: 8 Mar 2019 10:42

Tgt Ion:172 Resp: 1773
 Ion Ratio Lower Upper
 172 100
 171 38.6 28.0 42.0
 170 30.9 17.7 26.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

Instrument :

BNA_E

ClientSampleId :

PB117716BL

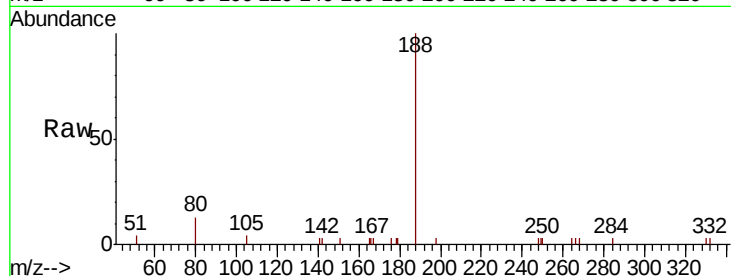
Tot Ion:188 Resp: 5303

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

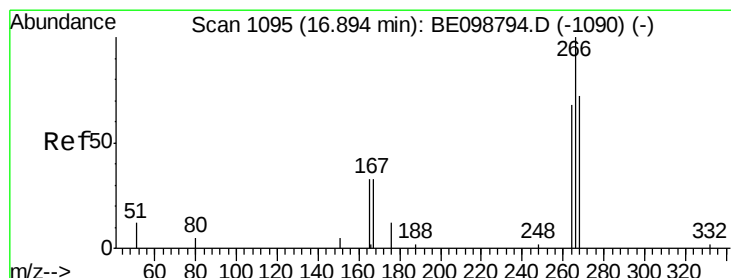
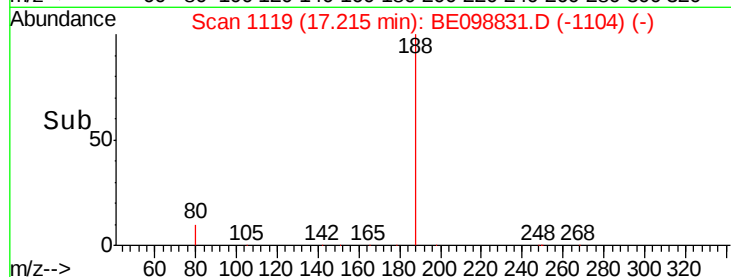
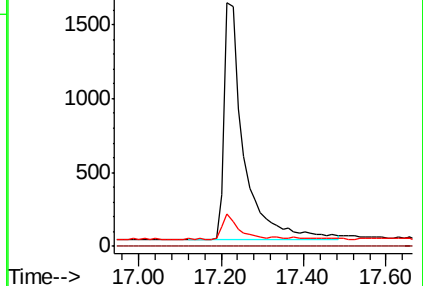
80 13.2 6.3 9.5#



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: 0.270 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.03 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

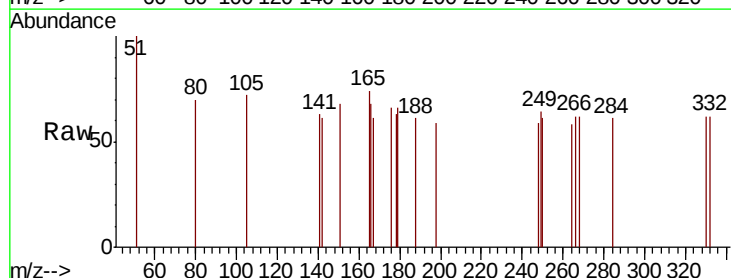
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 93.6 66.6 100.0

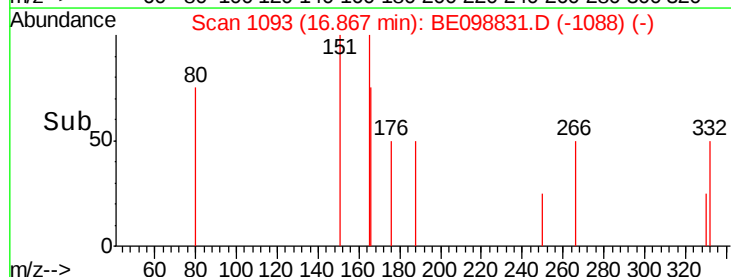
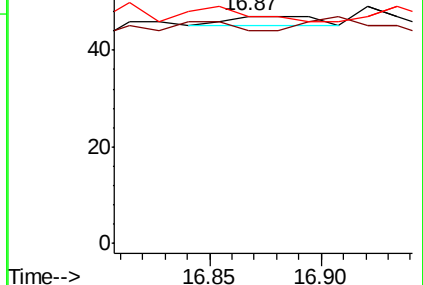
268 100.0 69.8 104.8

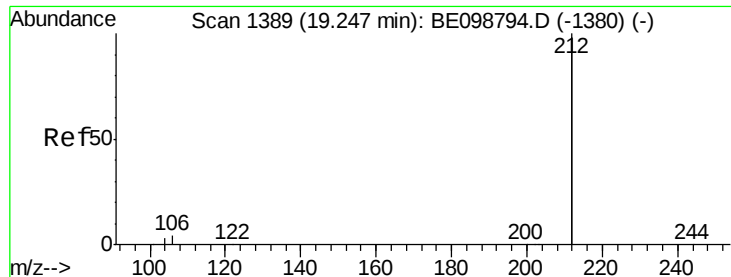


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.219 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

Instrument :

BNA_E

ClientSampleId :

PB117716BL

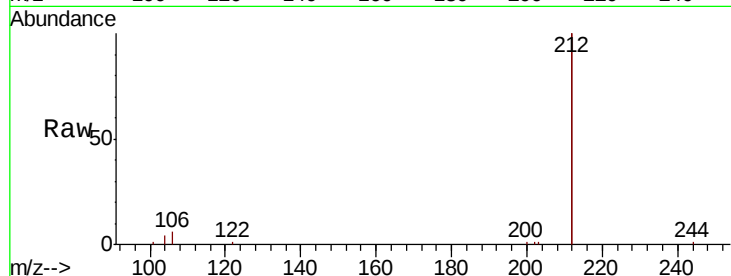
Tot Ion:212 Resp: 18539

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

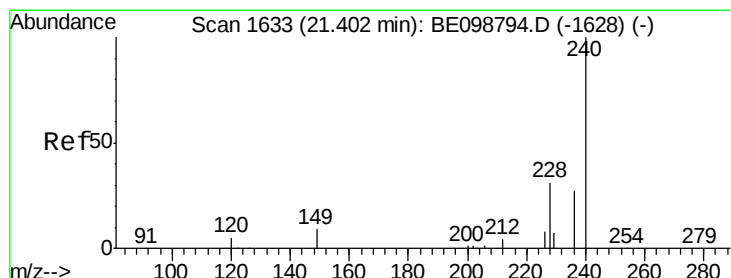
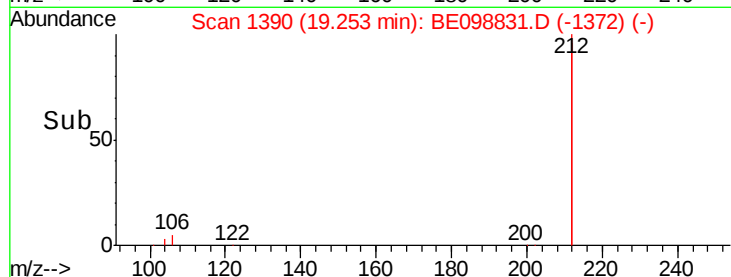
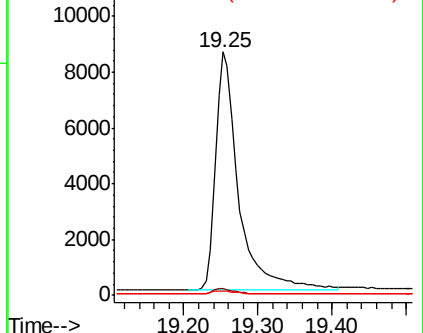
104 1.3 1.0 1.6



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: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

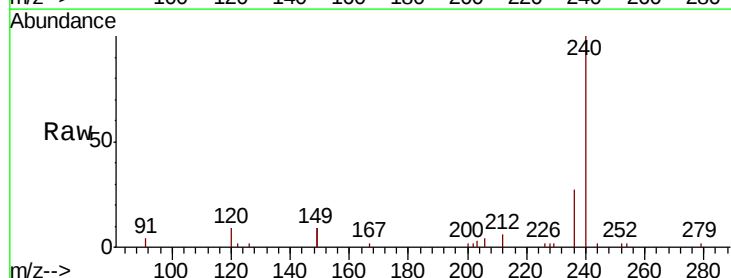
Tgt Ion:240 Resp: 6373

Ion Ratio Lower Upper

240 100

120 8.7 5.0 7.4#

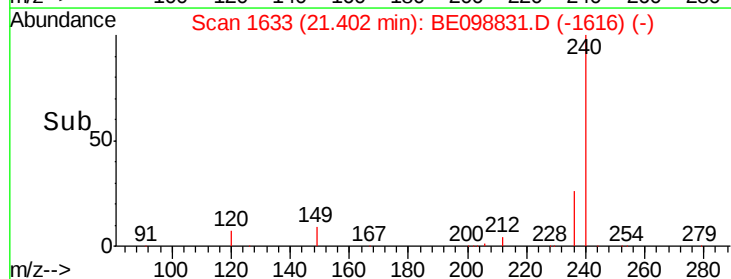
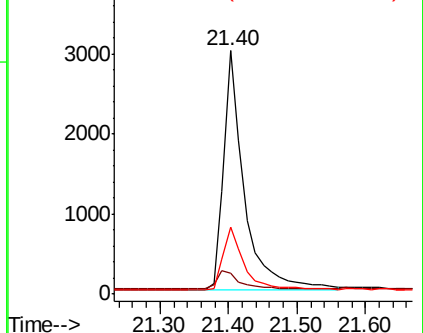
236 27.5 22.7 34.1

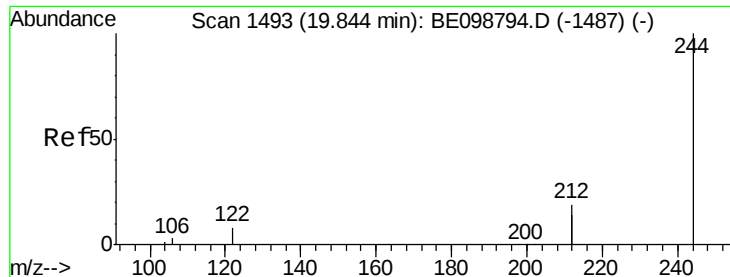


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.240 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

Instrument :

BNA_E

ClientSampleId :

PB117716BL

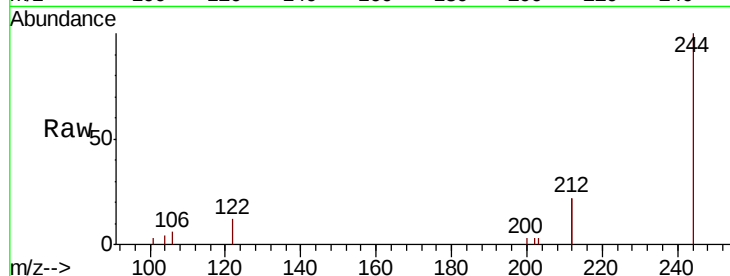
Tot Ion:244 Resp: 3724

Ion Ratio Lower Upper

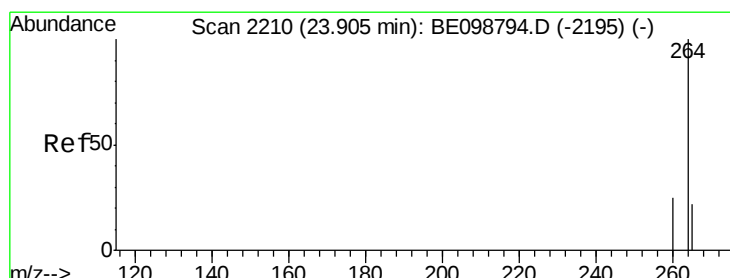
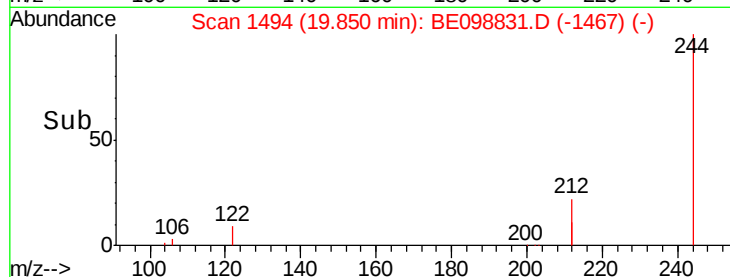
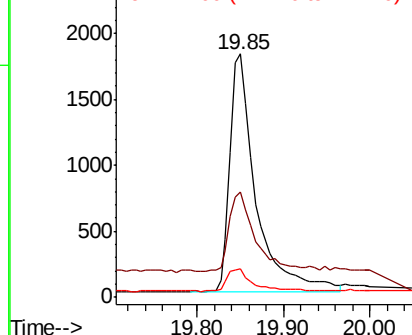
244 100

212 43.4 29.4 44.2

122 11.7 7.1 10.7#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BE098831.D

Acq: 8 Mar 2019 10:42

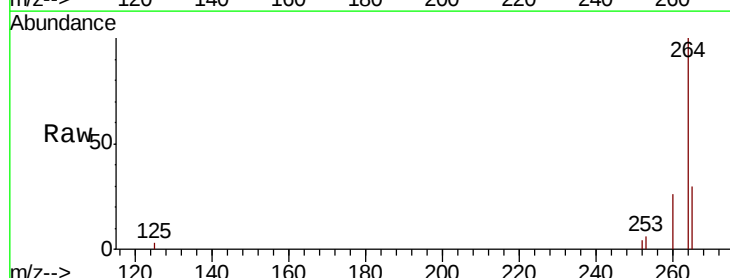
Tgt Ion:264 Resp: 6438

Ion Ratio Lower Upper

264 100

260 25.8 21.2 31.8

265 30.3 24.6 36.8



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

