

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE031219\
 Data File : BE098904.D
 Acq On : 12 Mar 2019 18:55
 Operator : JU/SJ
 Sample : K1841-04DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE122D1-20190308DL

Quant Time: Mar 13 07:46:11 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

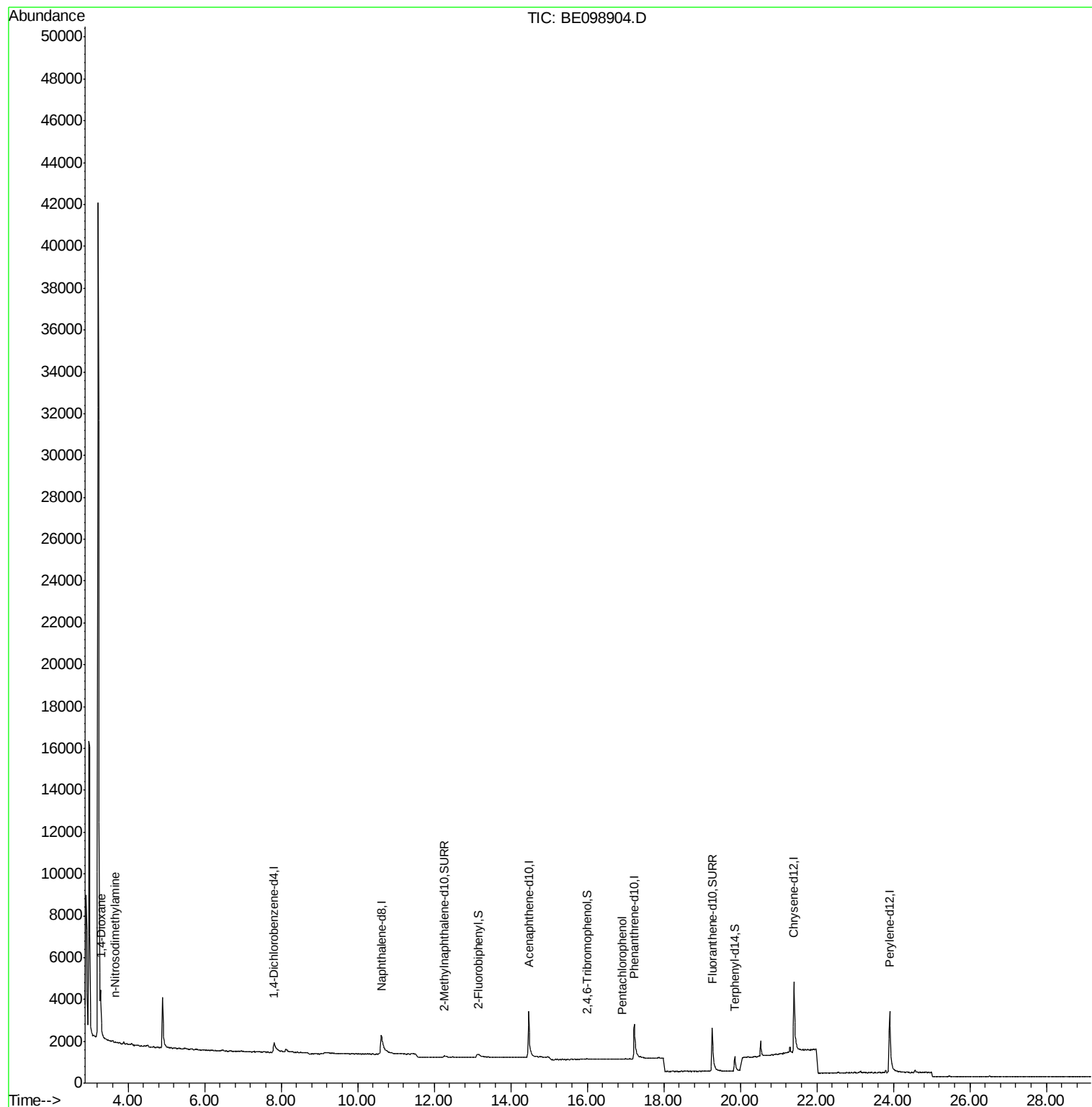
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	536	0.40	ng	0.02
7) Naphthalene-d8	10.61	136	2771	0.40	ng	0.03
13) Acenaphthene-d10	14.47	164	2215	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	5459	0.40	ng	0.01
27) Chrysene-d12	21.40	240	5998	0.40	ng	0.00
34) Perylene-d12	23.90	264	6024	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	3	0.00	ng	-0.02
5) Phenol-d6	7.06	99	10	0.00	ng	0.07
8) Nitrobenzene-d5	8.96	82	13	0.00	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	367	0.07	ng	0.07
14) 2,4,6-Tribromophenol	16.00	330	47	0.04	ng	0.03
15) 2-Fluorobiphenyl	13.15	172	583	0.06	ng	0.06
25) Fluoranthene-d10	19.27	212	5665	0.07	ng	0.02
29) Terphenyl-d14	19.86	244	1270	0.09	ng	0.01
Target Compounds						
2) 1,4-Dioxane	3.29	88	1035	1.150	ng	# 88
3) n-Nitrosodimethylamine	3.66	42	30	0.022	ng	# 14
22) Pentachlorophenol	16.91	266	10	0.273	ng	91

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

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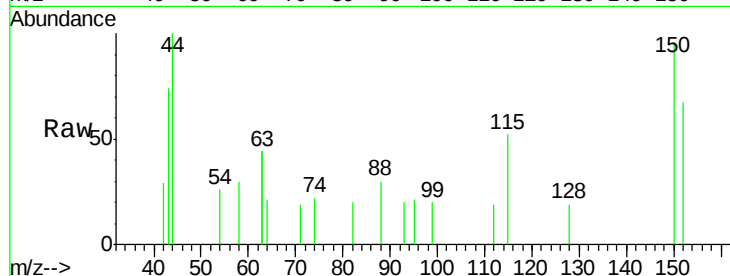


#1

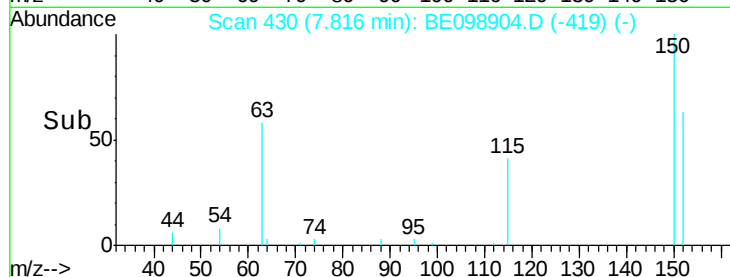
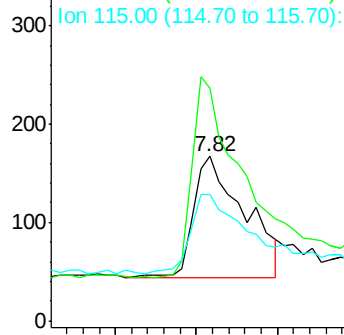
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.02 min
Lab File: BE098904.D
Acq: 12 Mar 2019 18:55

Instrument :
BNA_E
ClientSampleId :
RE122D1-20190308DL

Tgt Ion: 152 Resp: 536
Ion Ratio Lower Upper
152 100
150 141.9 122.5 183.7
115 77.2 57.4 86.2



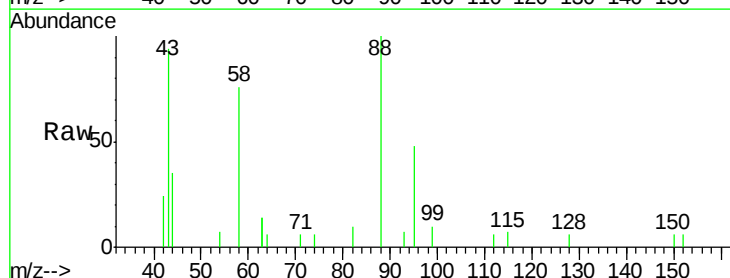
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



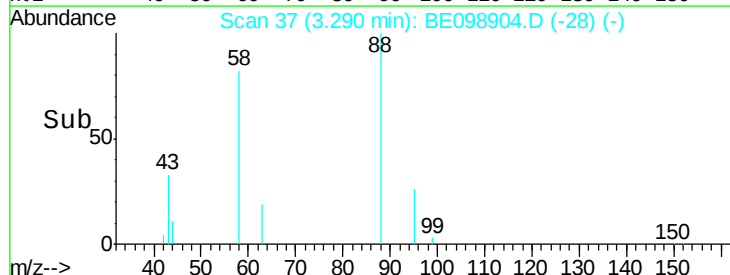
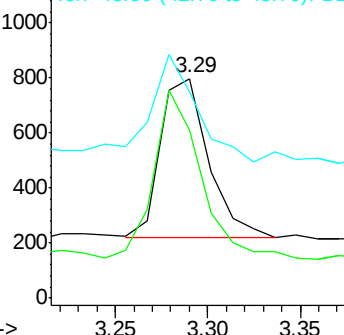
#2

1,4-Dioxane
Concen: 1.150 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098904.D
Acq: 12 Mar 2019 18:55

Tgt Ion: 88 Resp: 1035
Ion Ratio Lower Upper
88 100
58 102.8 75.8 113.6
43 65.8 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: 0.022 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.04 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Instrument :

BNA_E

ClientSampleId :

RE122D1-20190308DL

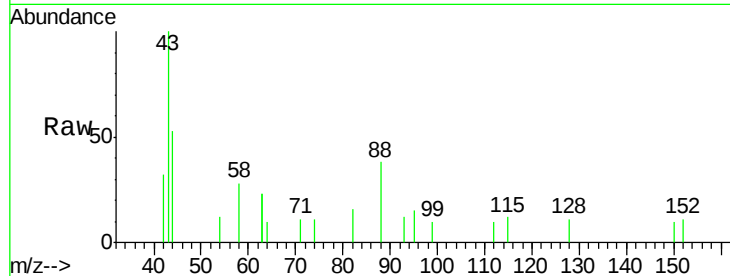
Tgt Ion: 42 Resp: 30

Ion Ratio Lower Upper

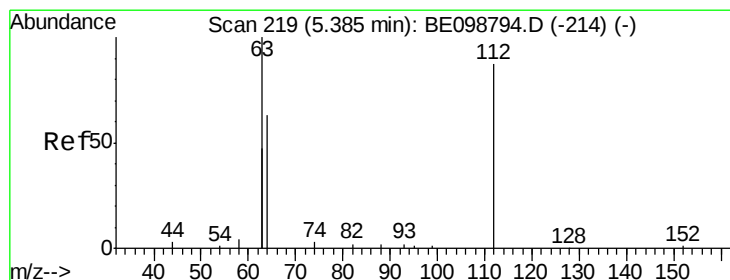
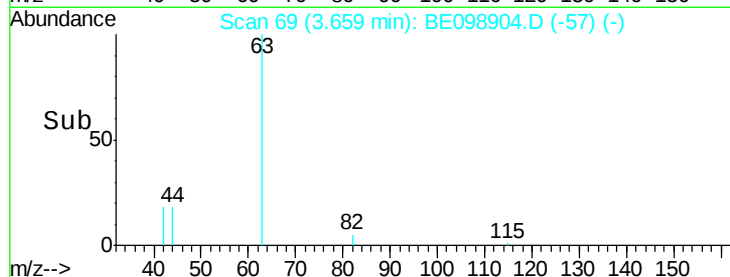
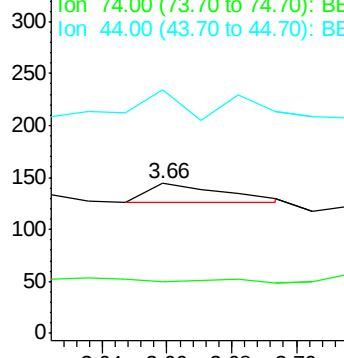
42 100

74 0.0 57.0 85.4#

44 153.3 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: 0.002 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.02 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

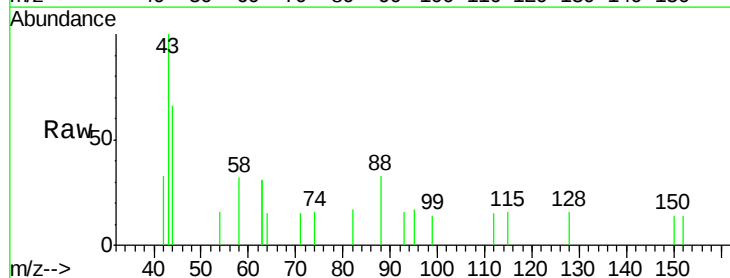
Tgt Ion: 112 Resp: 3

Ion Ratio Lower Upper

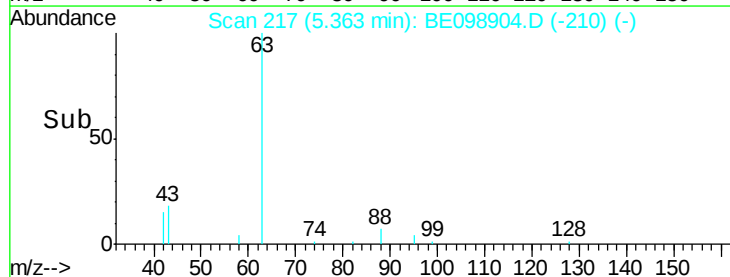
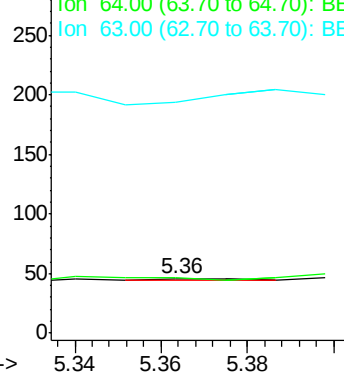
112 100

64 0.0 57.9 86.9#

63 0.0 158.3 237.5#



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: 0.004 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.07 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Instrument :

BNA_E

ClientSampleId :

RE122D1-20190308DL

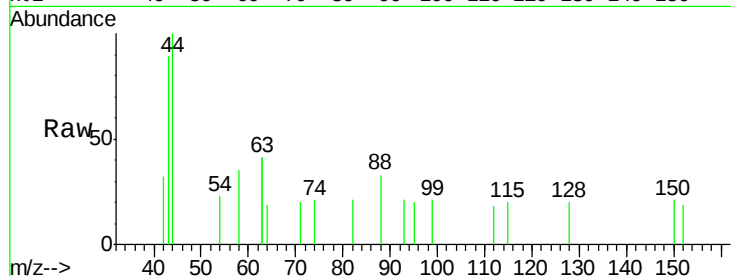
Tgt Ion: 99 Resp: 10

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

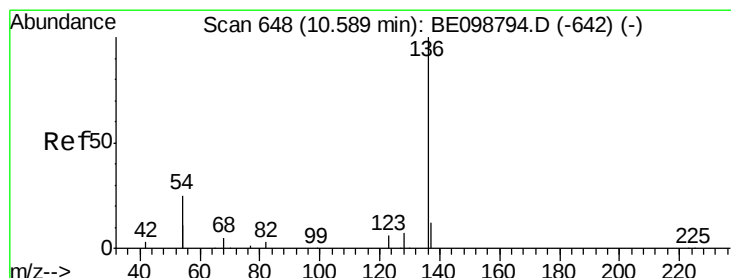
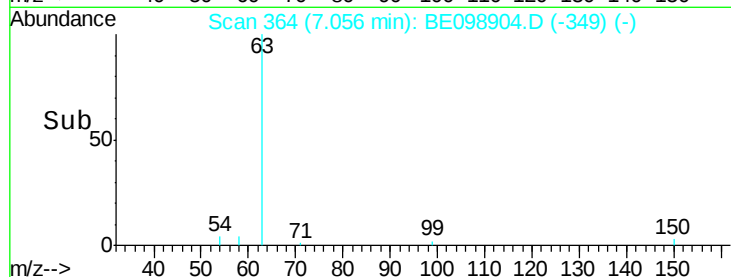
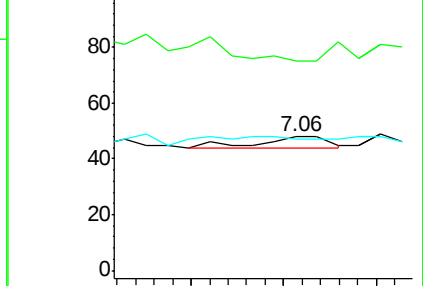
71 0.0 35.7 53.5#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.03 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Tgt Ion: 136 Resp: 2771

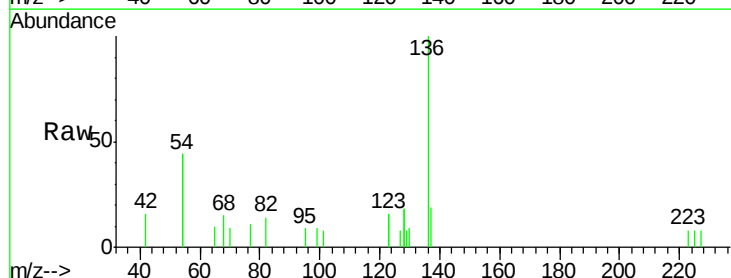
Ion Ratio Lower Upper

136 100

137 18.8 11.4 17.0#

54 87.1 39.3 58.9#

68 15.5 6.7 10.1#

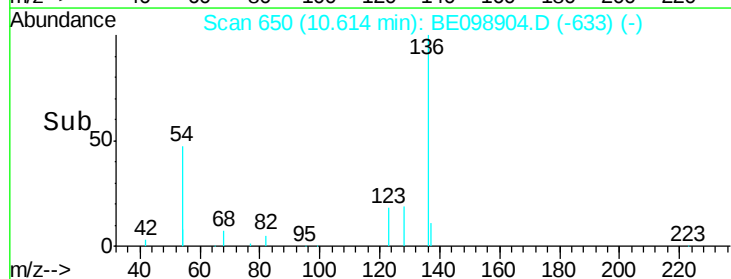
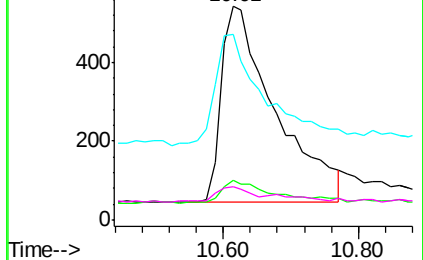


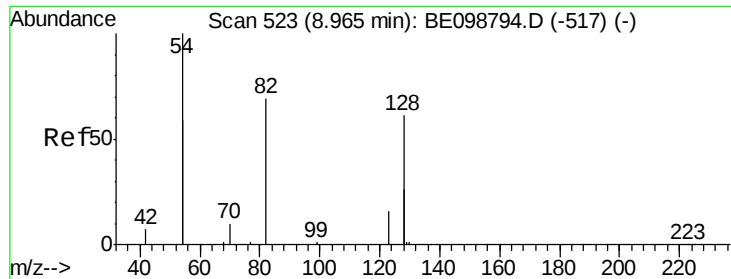
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.004 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Instrument :

BNA_E

ClientSampleId :

RE122D1-20190308DL

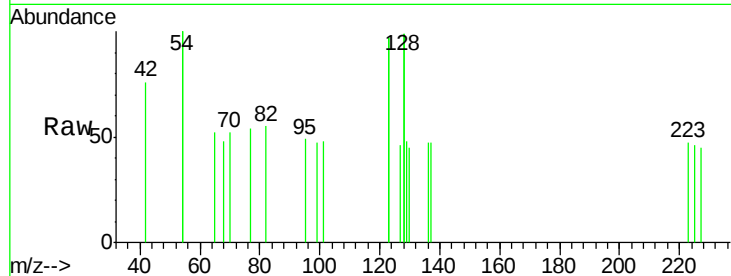
Tgt Ion: 82 Resp: 13

Ion Ratio Lower Upper

82 100

128 359.3 123.8 185.8#

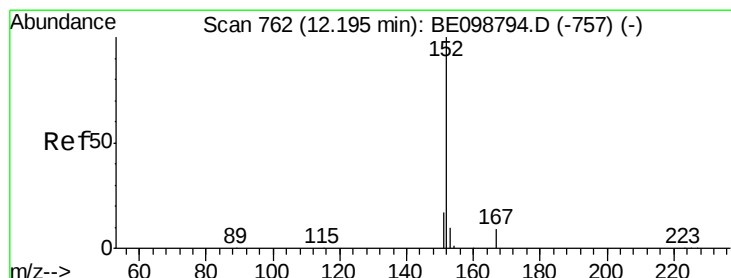
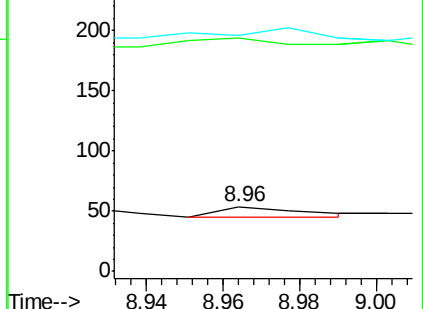
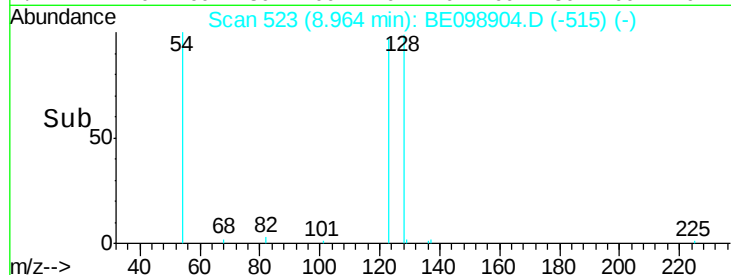
54 363.0 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE098904.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE098904.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE098904.D (-515) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.072 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.07 min

Lab File: BE098904.D

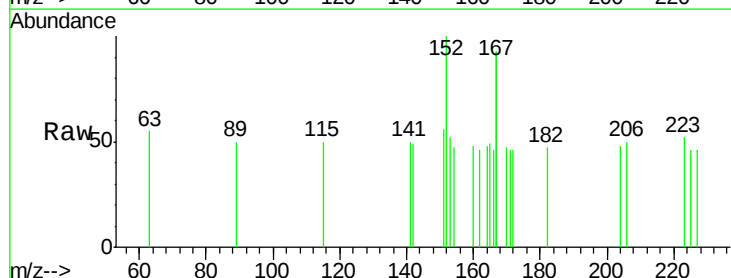
Acq: 12 Mar 2019 18:55

Tgt Ion: 152 Resp: 367

Ion Ratio Lower Upper

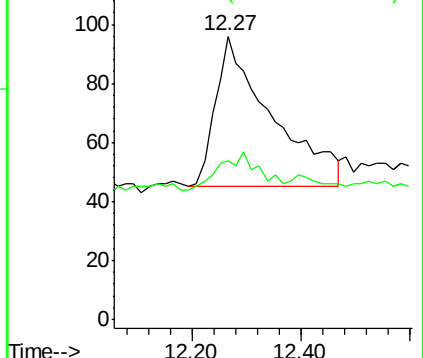
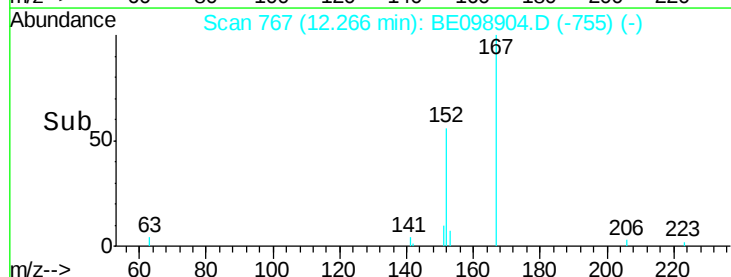
152 100

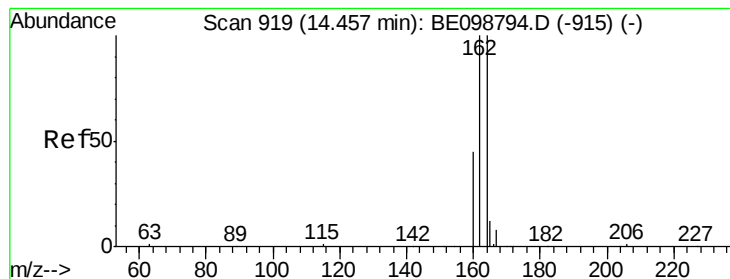
151 0.0 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): BE098904.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE098904.D (-755) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.01 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Instrument :

BNA_E

ClientSampleId :

RE122D1-20190308DL

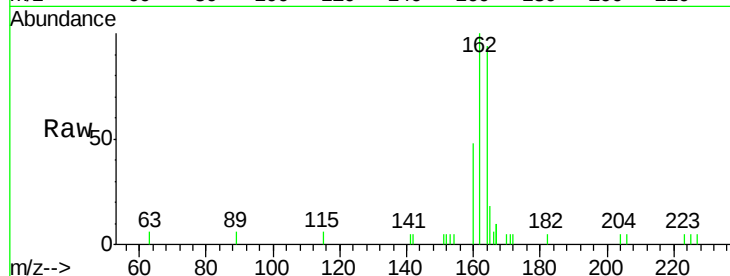
Tgt Ion:164 Resp: 2215

Ion Ratio Lower Upper

164 100

162 106.0 80.2 120.2

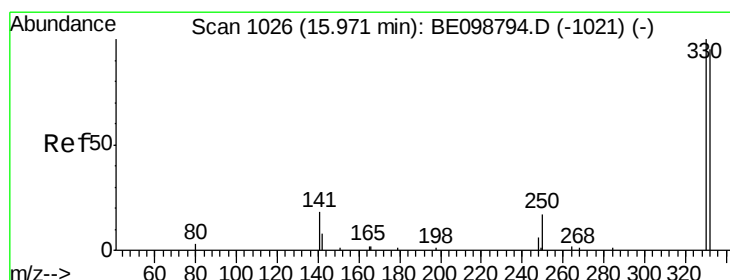
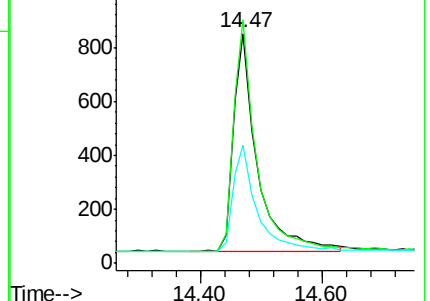
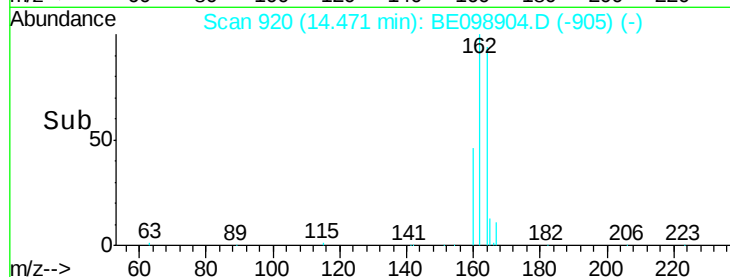
160 51.4 37.8 56.8



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: 0.042 ng

RT: 16.00 min Scan# 1028

Delta R.T. 0.03 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

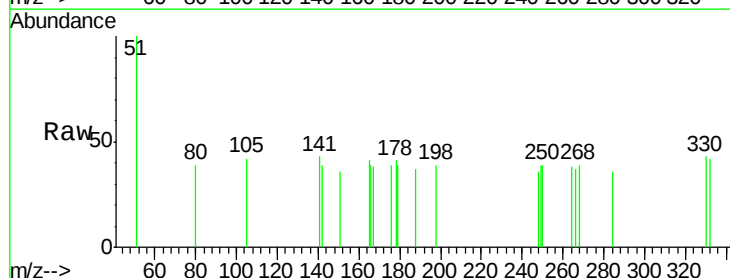
Tgt Ion:330 Resp: 47

Ion Ratio Lower Upper

330 100

332 89.4 77.6 116.4

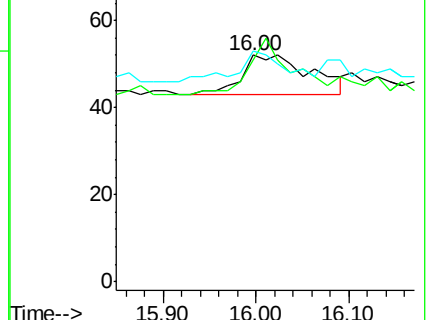
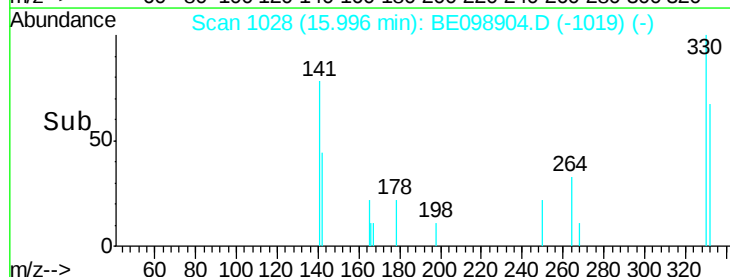
141 51.1 31.0 46.4#

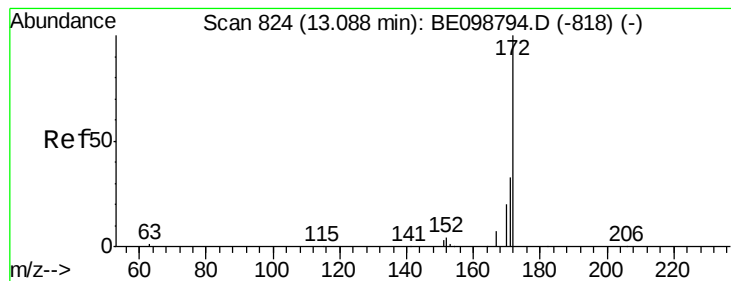


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.064 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.06 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Instrument :

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ClientSampleId :

RE122D1-20190308DL

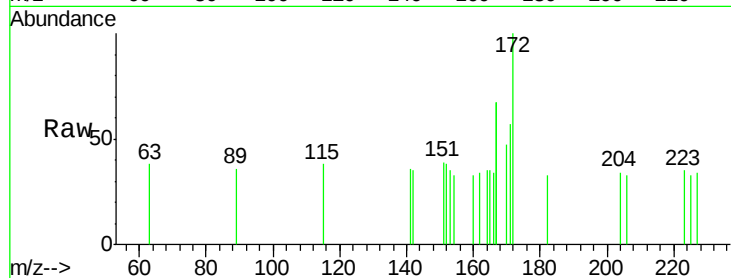
Tgt Ion:172 Resp: 583

Ion Ratio Lower Upper

172 100

171 57.1 28.0 42.0#

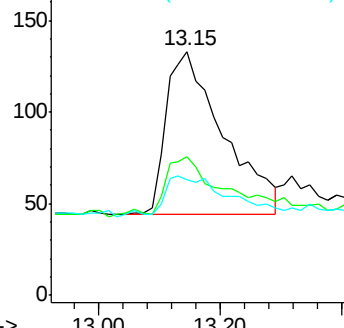
170 47.4 17.7 26.5#



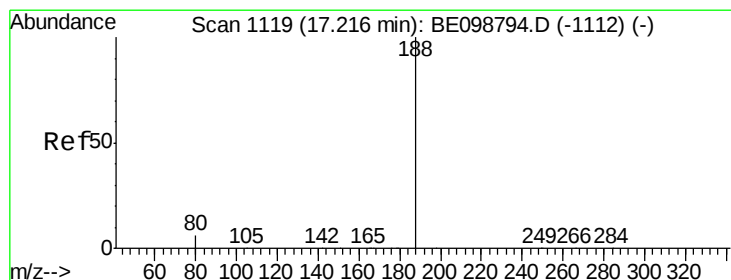
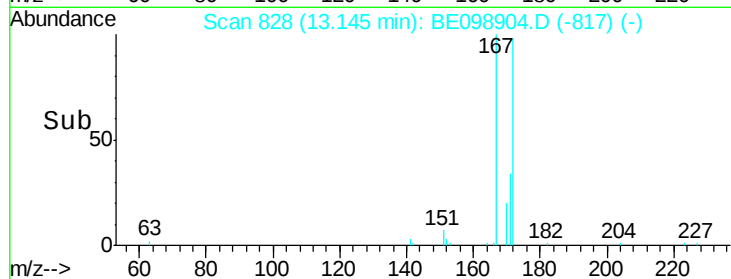
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

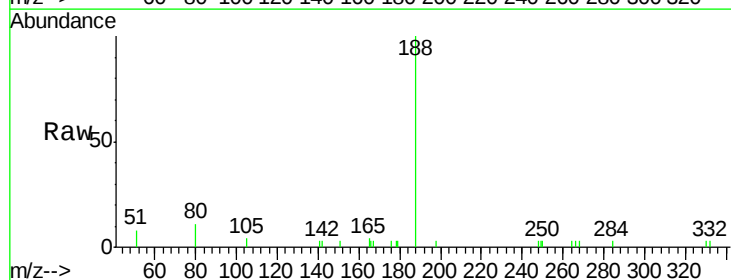
Tgt Ion:188 Resp: 5459

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

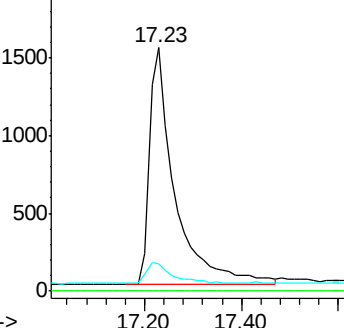
80 11.0 6.3 9.5#



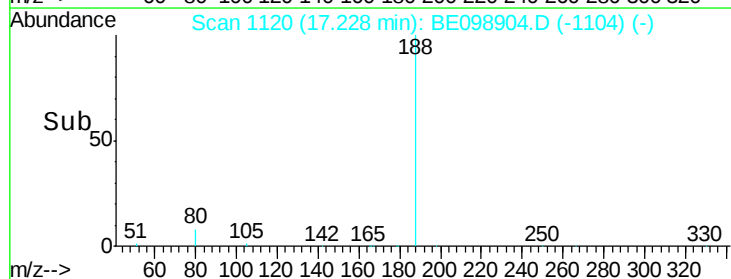
Abundance Ion 188.00 (187.70 to 188.70): E

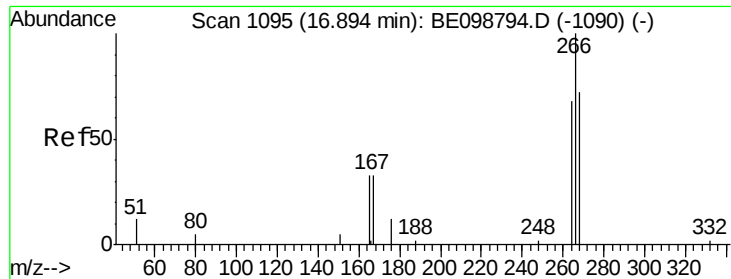
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->





#22

Pentachlorophenol

Concen: 0.273 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Instrument :

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RE122D1-20190308DL

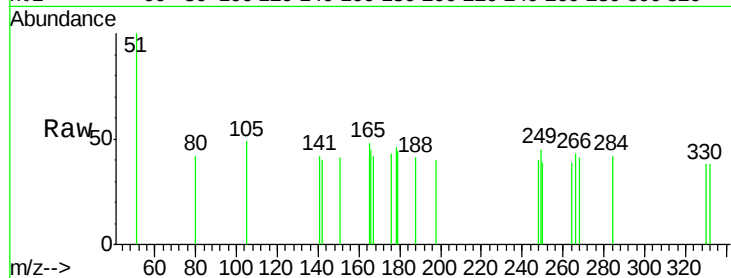
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 91.7 66.6 100.0

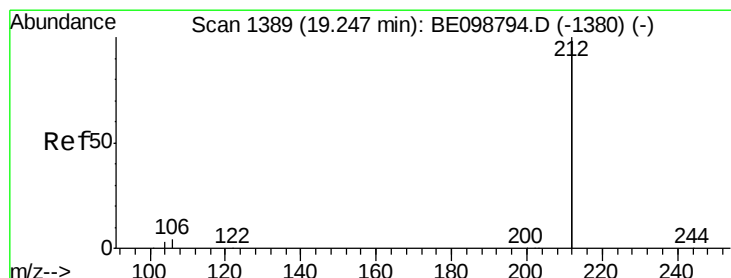
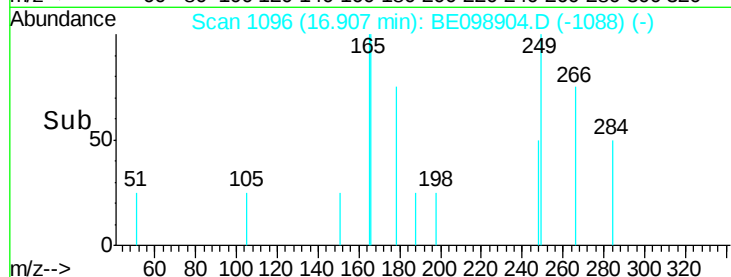
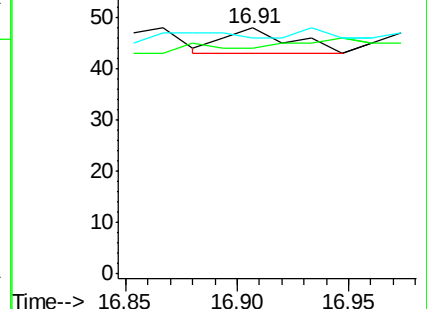
268 95.8 69.8 104.8



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: 0.065 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.02 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

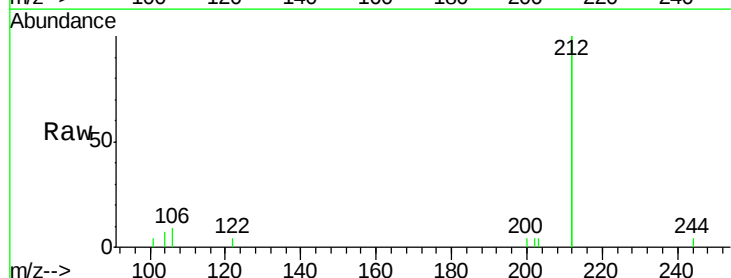
Tgt Ion:212 Resp: 5665

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

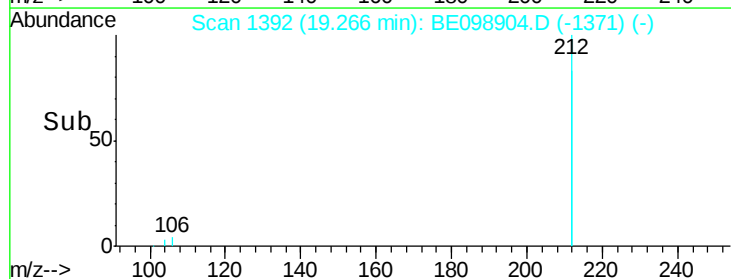
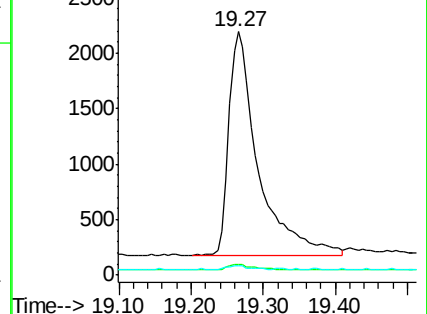
104 1.3 1.0 1.6

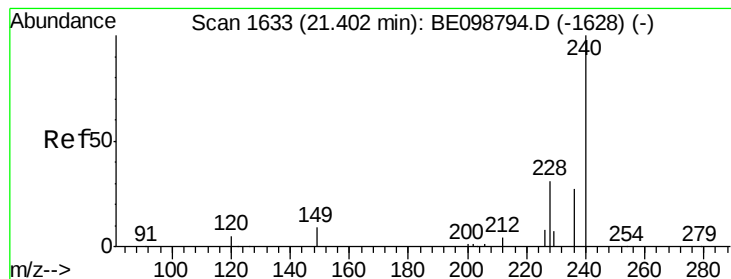


Abundance Ion 212.00 (211.70 to 212.70): E

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# 1632

Delta R.T. -0.00 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

Instrument :

BNA_E

ClientSampleId :

RE122D1-20190308DL

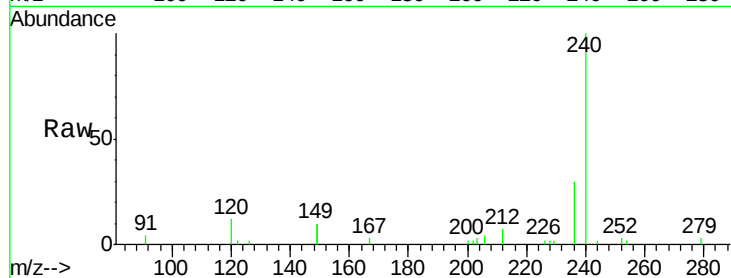
Tgt Ion:240 Resp: 5998

Ion Ratio Lower Upper

240 100

120 11.6 5.0 7.4#

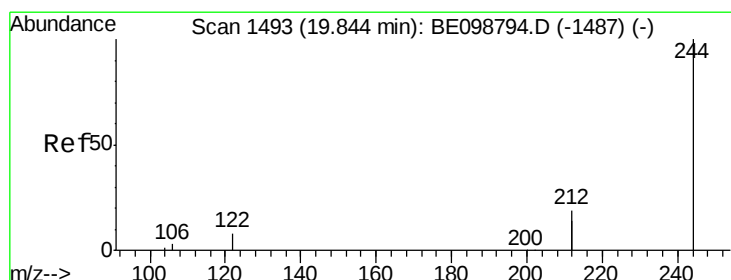
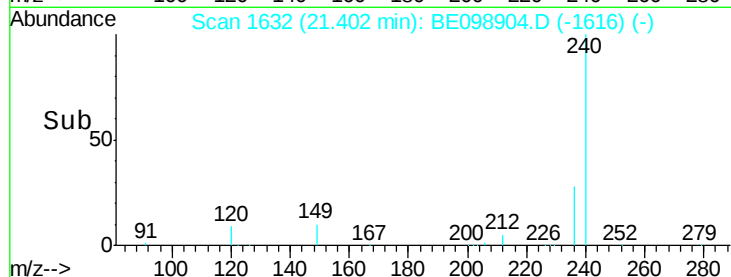
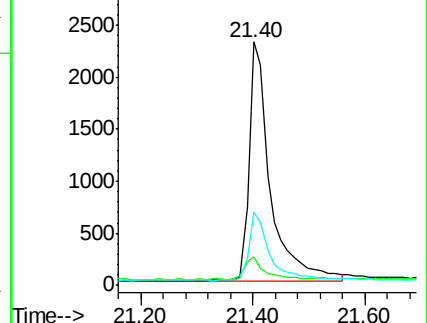
236 30.0 22.7 34.1



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: 0.087 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE098904.D

Acq: 12 Mar 2019 18:55

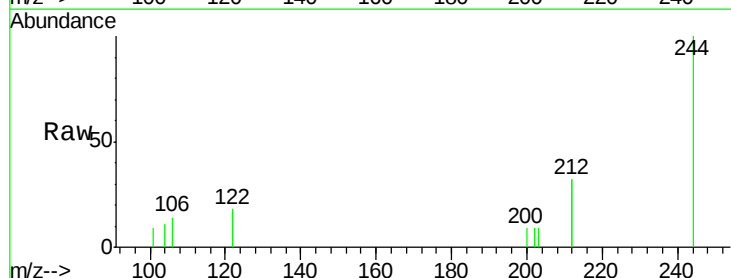
Tgt Ion:244 Resp: 1270

Ion Ratio Lower Upper

244 100

212 63.7 29.4 44.2#

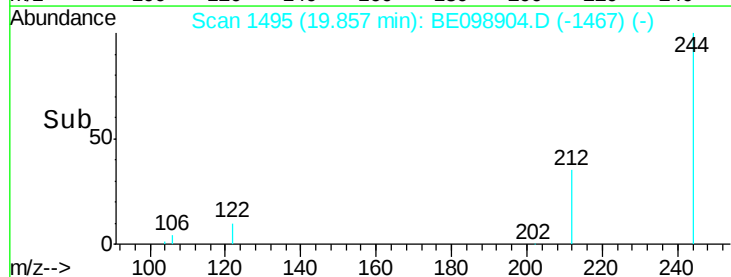
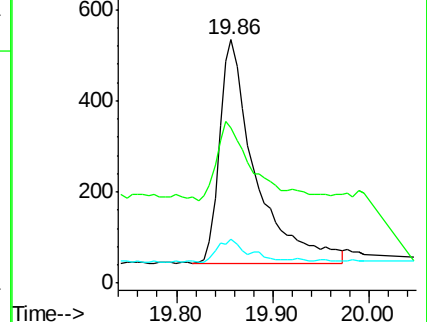
122 18.0 7.1 10.7#

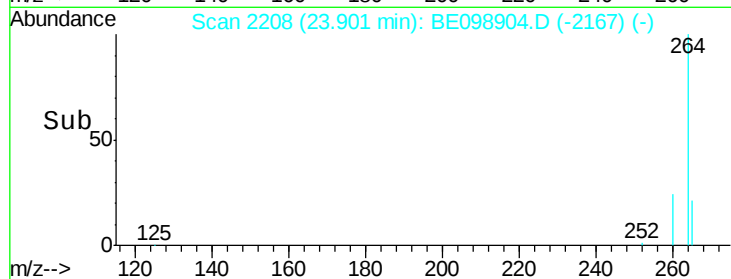
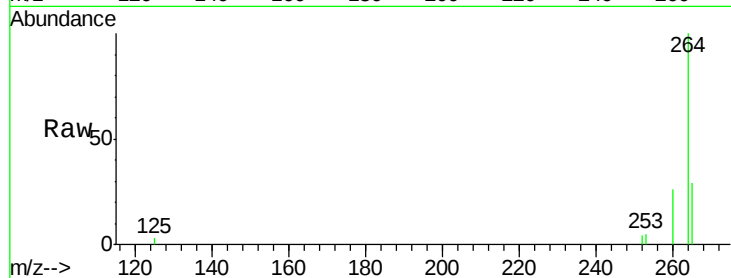


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2208
Delta R.T. -0.00 min
Lab File: BE098904.D
Acq: 12 Mar 2019 18:55

Instrument :
BNA_E
ClientSampleId :
RE122D1-20190308DL

Tgt Ion: 264 Resp: 6024
Ion Ratio Lower Upper
264 100
260 25.6 21.2 31.8
265 28.9 24.6 36.8

