

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE031119\
 Data File : BE098884.D
 Acq On : 12 Mar 2019 5:58
 Operator : JU/SJ
 Sample : K1841-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE103D1-20190308

Quant Time: Mar 12 07:28:54 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

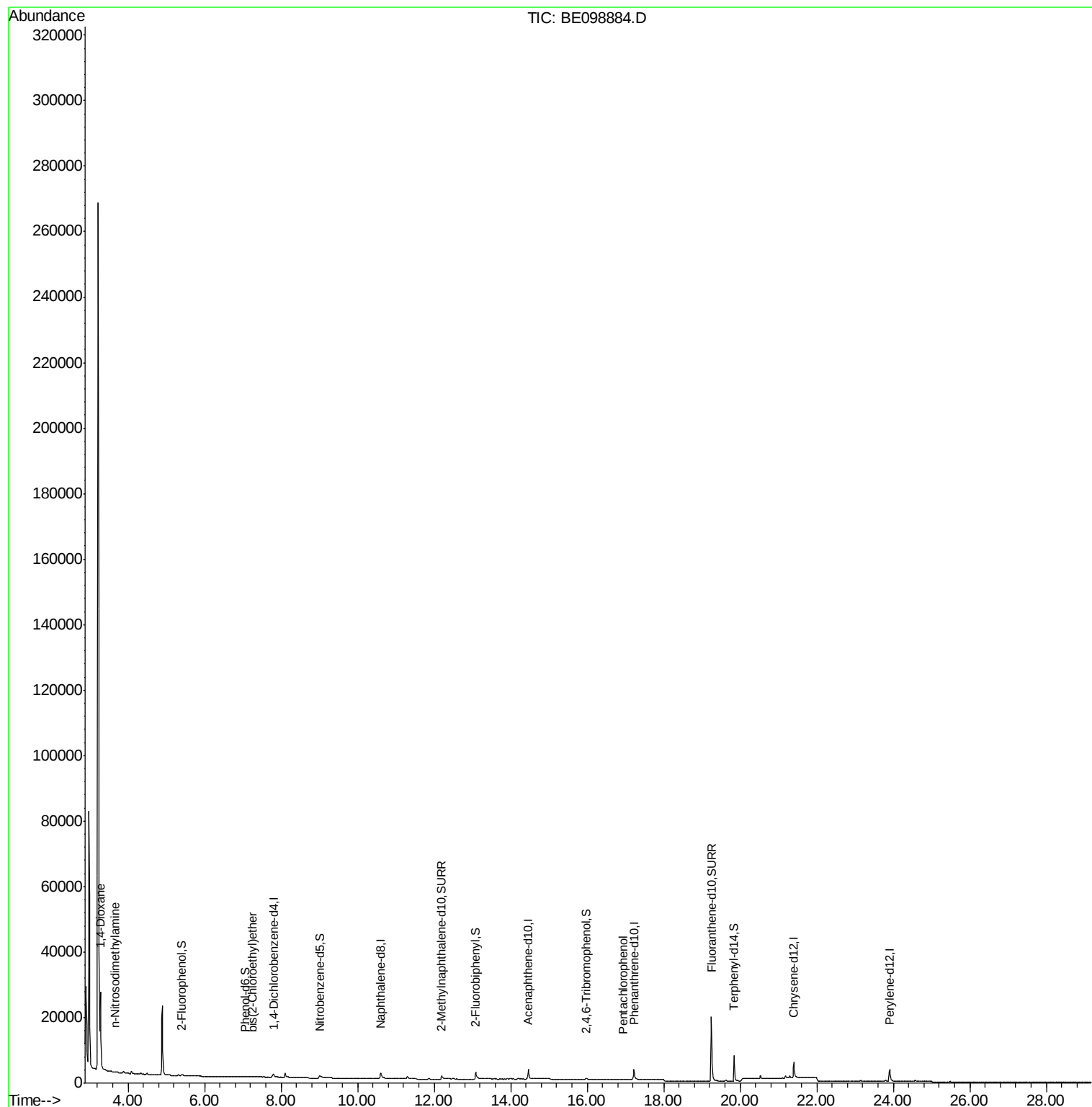
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	782	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3269	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	2351	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6026	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6985	0.40	ng	0.00
34) Perylene-d12	23.90	264	6923	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	388	0.17	ng	0.01
5) Phenol-d6	7.06	99	187	0.06	ng	0.07
8) Nitrobenzene-d5	9.00	82	1136	0.33	ng	0.04
11) 2-Methylnaphthalene-d10	12.20	152	2460	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	418	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	3997	0.41	ng	0.00
25) Fluoranthene-d10	19.24	212	35451	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	8530	0.50	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.28	88	12164	9.999	ng	96
3) n-Nitrosodimethylamine	3.65	42	60	0.030	ng	# 14
6) bis(2-Chloroethyl)ether	7.25	93	59	0.023	ng	# 54
22) Pentachlorophenol	16.95	266	10	0.272	ng	94

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

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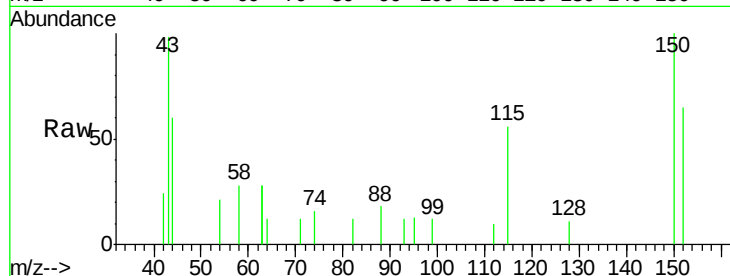


#1

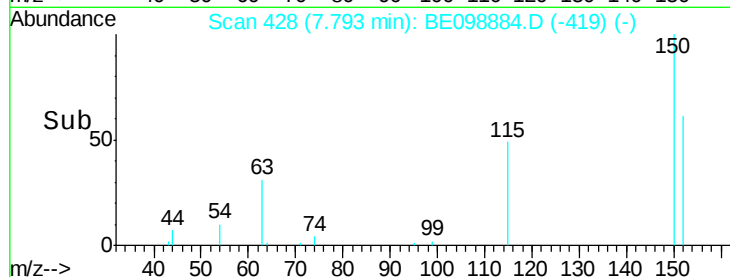
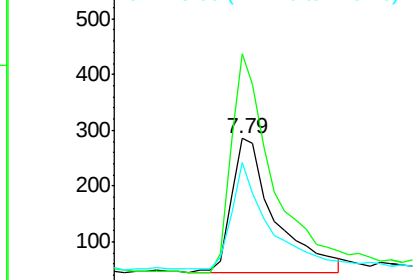
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098884.D
Acq: 12 Mar 2019 5:58

Instrument :
BNA_E
ClientSampleId :
RE103D1-20190308

Tgt Ion: 152 Resp: 782
Ion Ratio Lower Upper
152 100
150 153.3 122.5 183.7
115 85.3 57.4 86.2



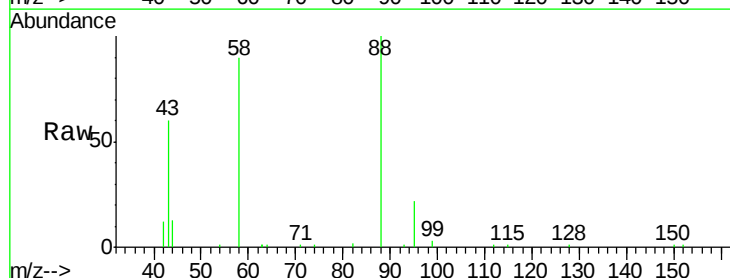
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



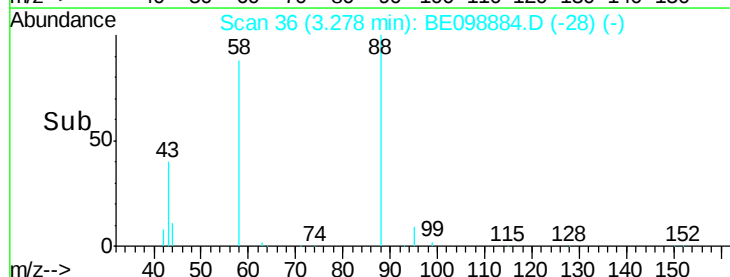
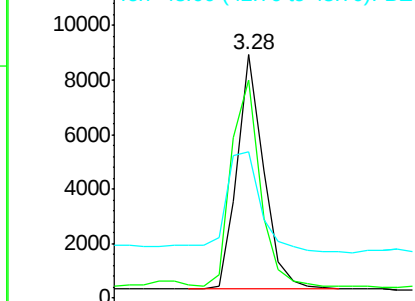
#2

1,4-Dioxane
Concen: 9.999 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098884.D
Acq: 12 Mar 2019 5:58

Tgt Ion: 88 Resp: 12164
Ion Ratio Lower Upper
88 100
58 95.9 75.8 113.6
43 57.7 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: 0.030 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.02 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

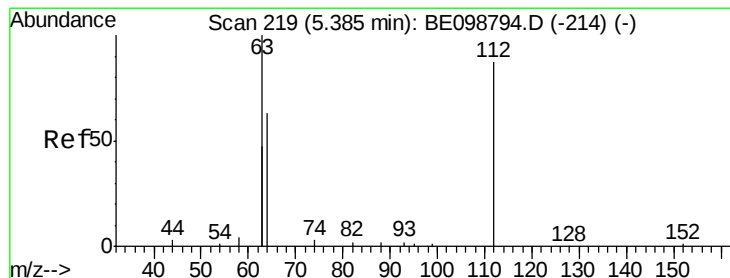
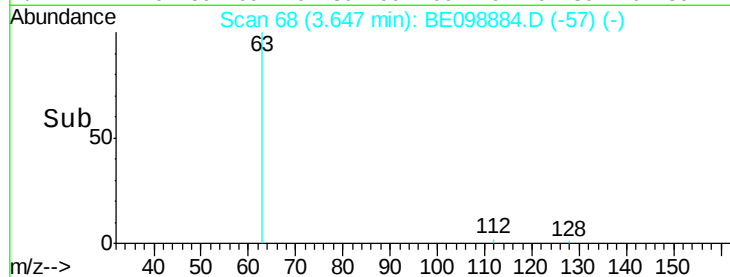
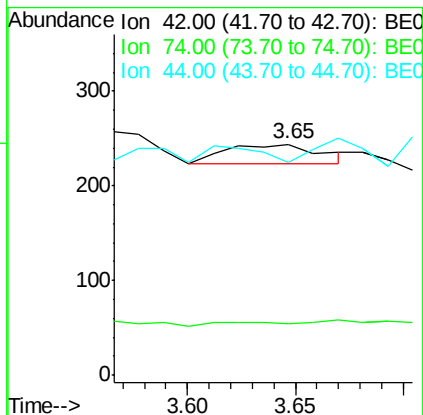
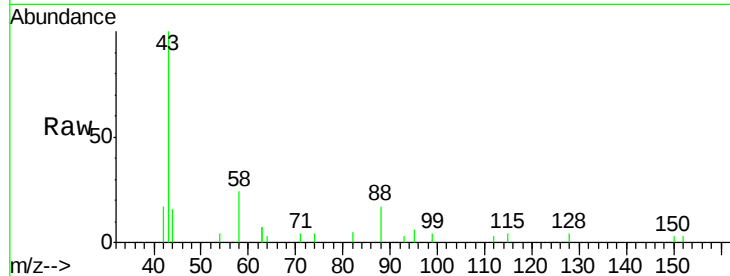
Instrument :

BNA_E

ClientSampleId :

RE103D1-20190308

Tgt Ion:	42	Resp:	60
Ion	Ratio	Lower	Upper
42	100		
74	0.0	57.0	85.4#
44	0.0	0.0	0.0



#4

2-Fluorophenol

Concen: 0.166 ng

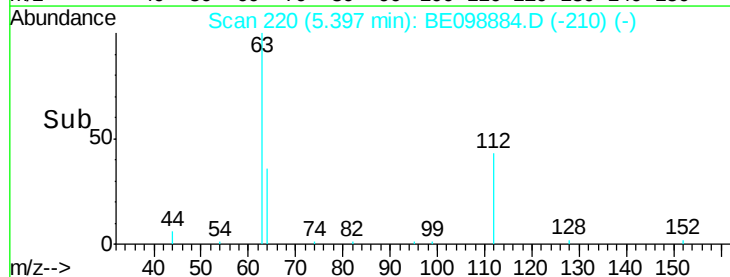
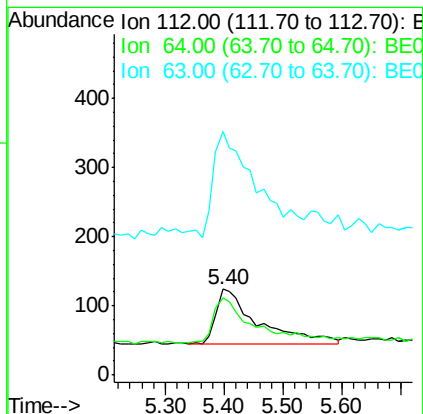
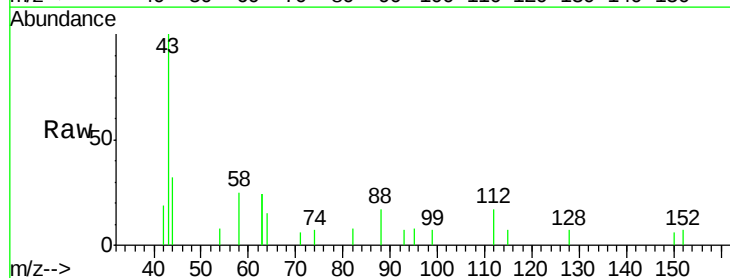
RT: 5.40 min Scan# 220

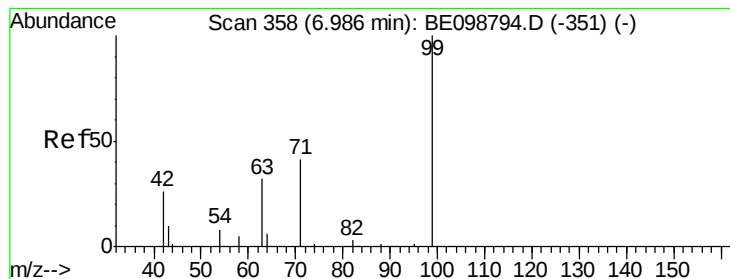
Delta R.T. 0.01 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Tgt Ion:	112	Resp:	388
Ion	Ratio	Lower	Upper
112	100		
64	87.1	57.9	86.9#
63	175.5	158.3	237.5





#5

Phenol-d6

Concen: 0.057 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.07 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Instrument :

BNA_E

ClientSampleId :

RE103D1-20190308

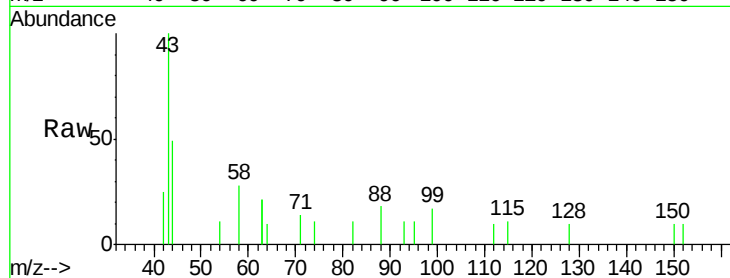
Tgt Ion: 99 Resp: 187

Ion Ratio Lower Upper

99 100

42 36.4 24.2 36.2#

71 25.7 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

7.06

150

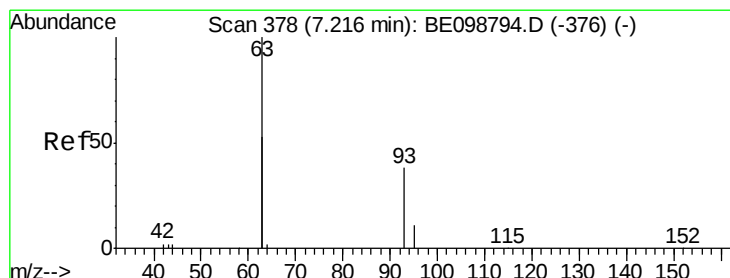
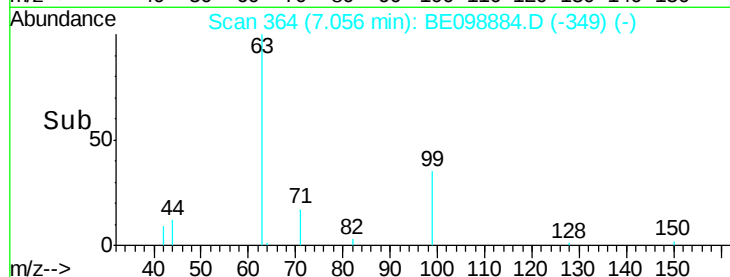
100

50

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.023 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.04 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

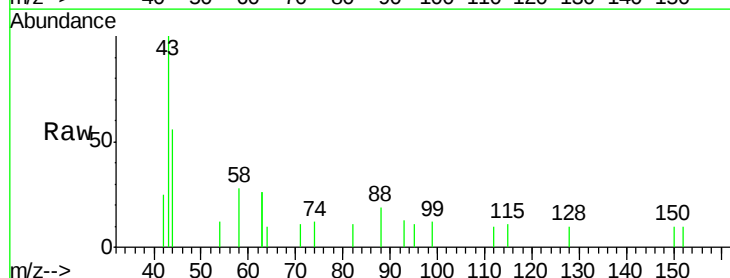
Tgt Ion: 93 Resp: 59

Ion Ratio Lower Upper

93 100

63 215.3 247.5 371.3#

95 11.9 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

7.25

300

250

200

150

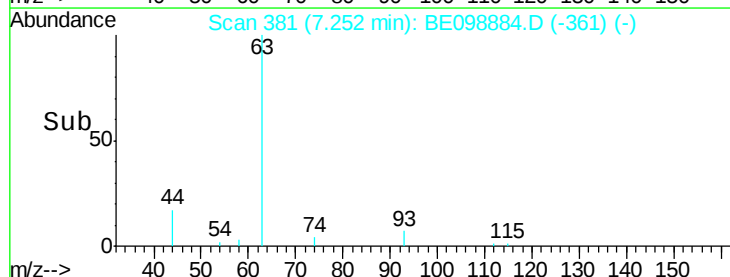
100

50

0

7.15 7.20 7.25 7.30 7.35

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Instrument :

BNA_E

ClientSampleId :

RE103D1-20190308

Tgt Ion: 136 Resp: 3269

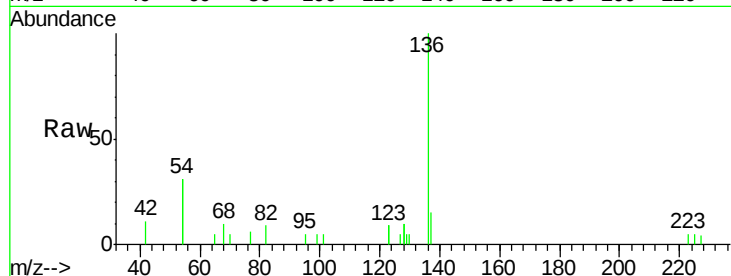
Ion Ratio Lower Upper

136 100

137 15.3 11.4 17.0

54 62.4 39.3 58.9#

68 9.9 6.7 10.1

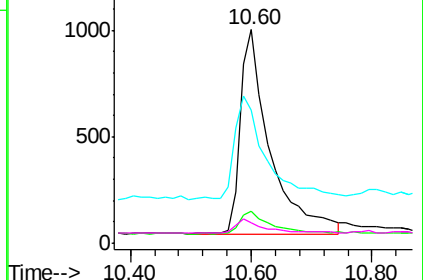
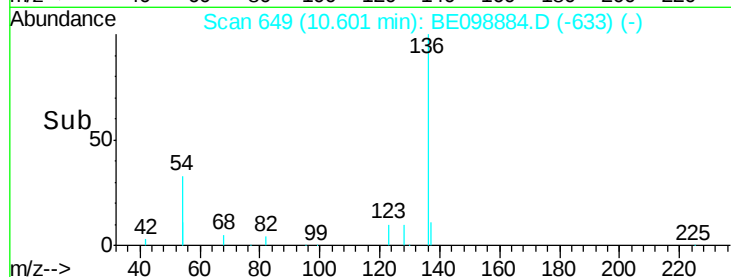


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.331 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

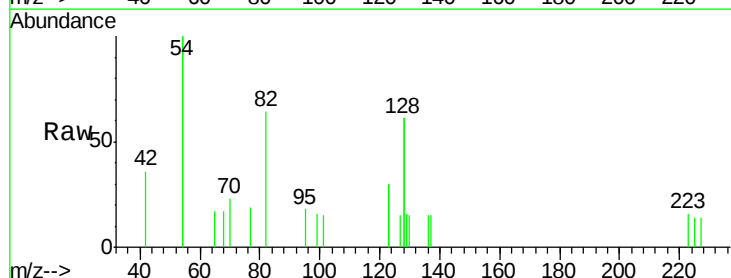
Tgt Ion: 82 Resp: 1136

Ion Ratio Lower Upper

82 100

128 187.8 123.8 185.8#

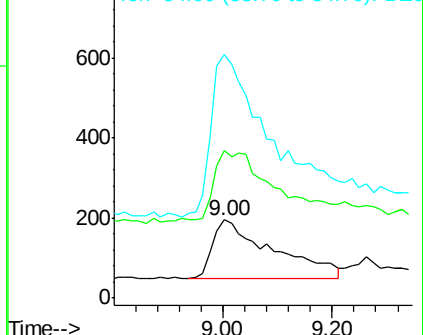
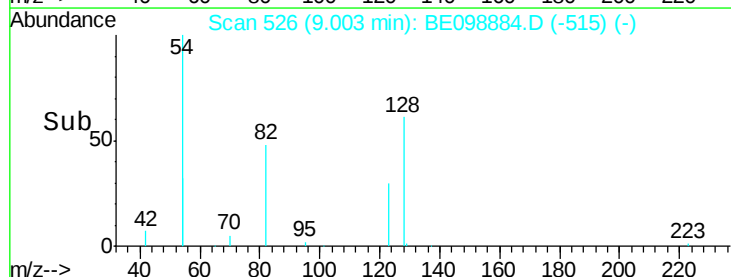
54 310.2 203.4 305.2#

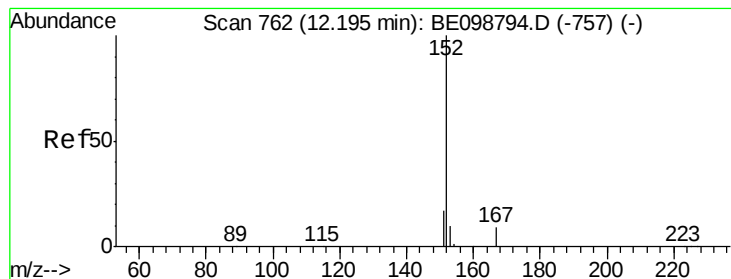


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.407 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Instrument :

BNA_E

ClientSampleId :

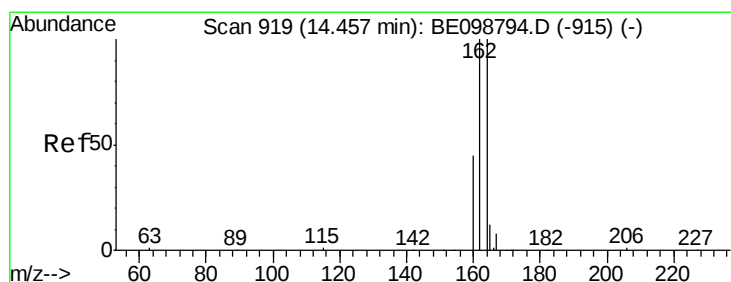
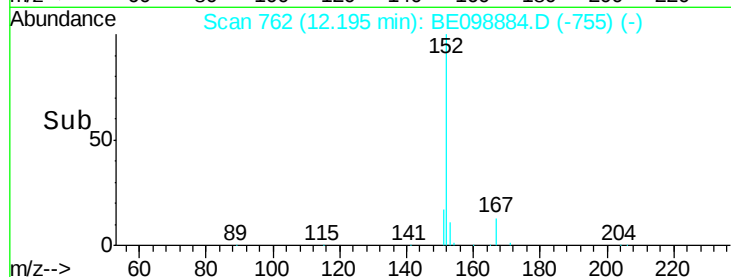
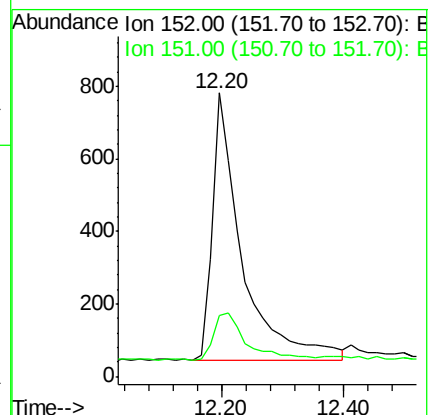
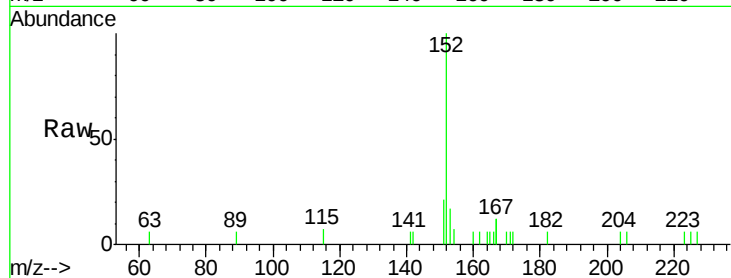
RE103D1-20190308

Tgt Ion:152 Resp: 2460

Ion Ratio Lower Upper

152 100

151 19.6 16.5 24.7



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

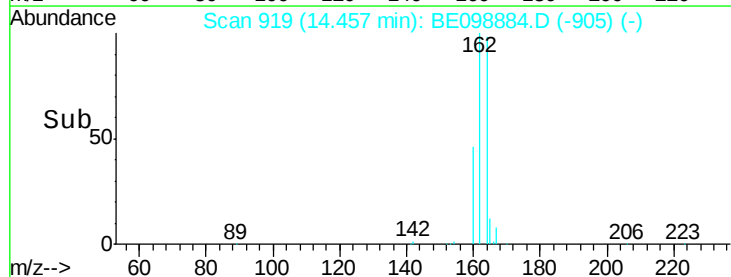
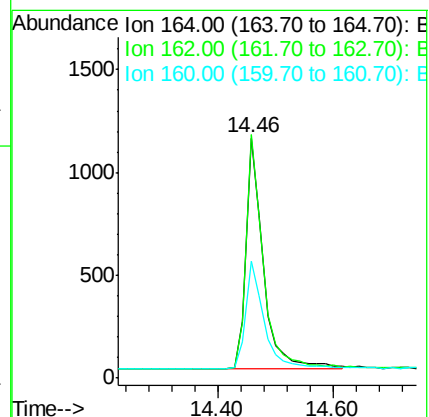
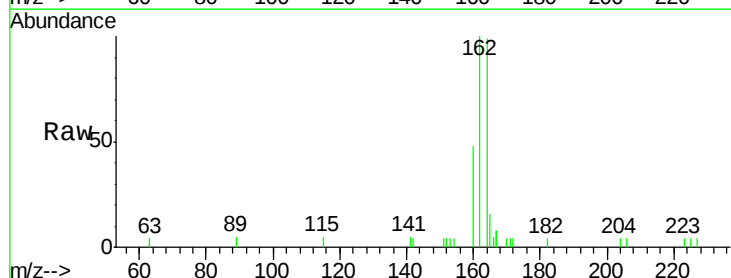
Tgt Ion:164 Resp: 2351

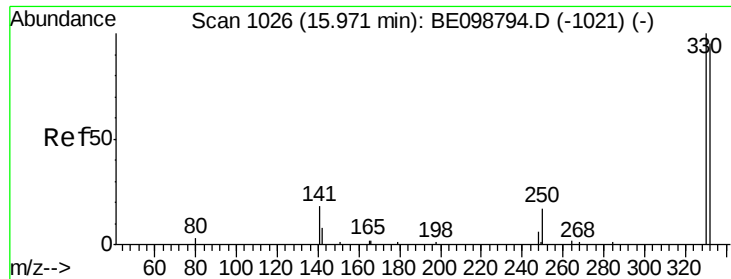
Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.2

160 48.8 37.8 56.8





#14

2,4,6-Tribromophenol

Concen: 0.352 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Instrument :

BNA_E

ClientSampleId :

RE103D1-20190308

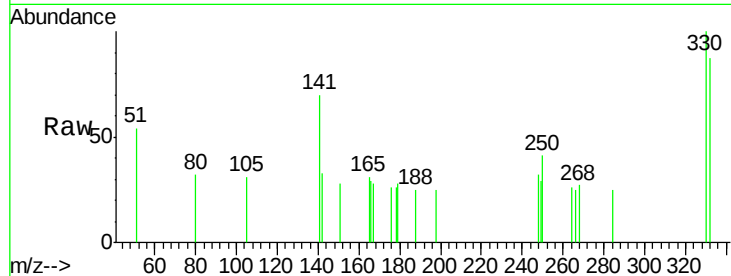
Tgt Ion:330 Resp: 418

Ion Ratio Lower Upper

330 100

332 84.2 77.6 116.4

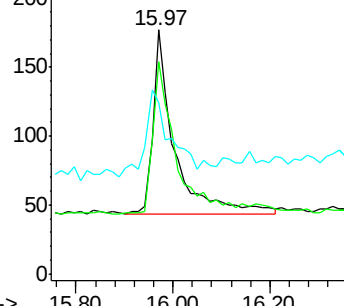
141 39.7 31.0 46.4



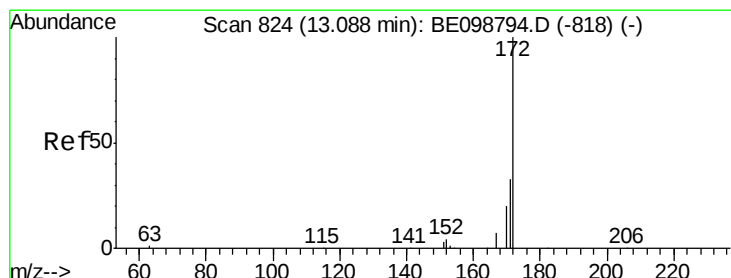
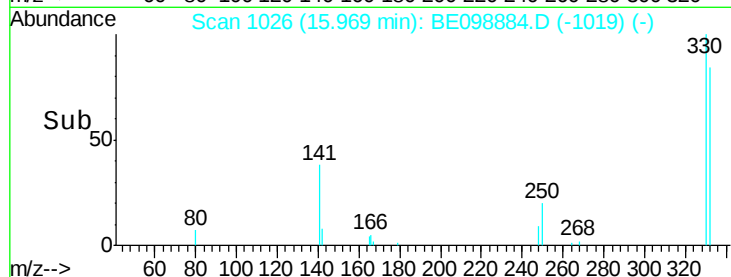
Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#15

2-Fluorobiphenyl

Concen: 0.411 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

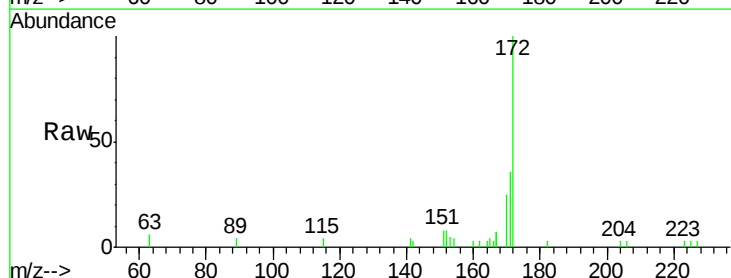
Tgt Ion:172 Resp: 3997

Ion Ratio Lower Upper

172 100

171 36.4 28.0 42.0

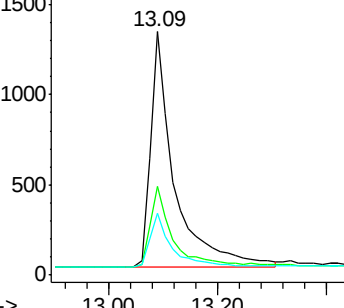
170 25.3 17.7 26.5



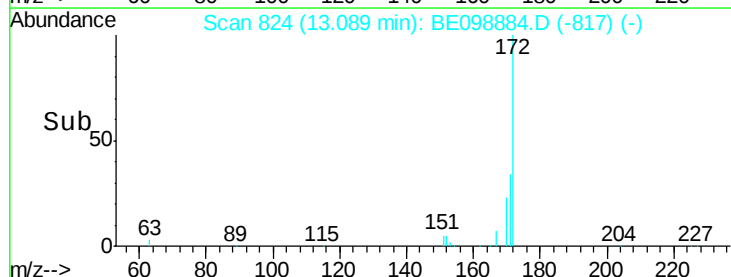
Abundance Ion 172.00 (171.70 to 172.70): E

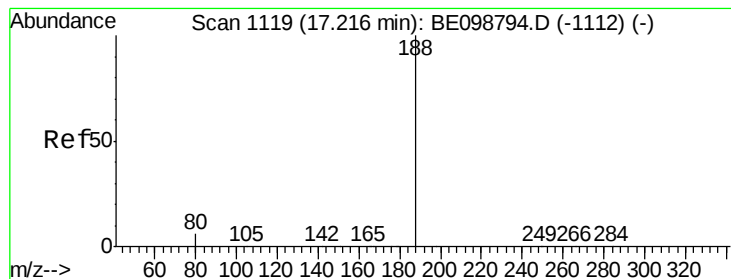
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Instrument :

BNA_E

ClientSampleId :

RE103D1-20190308

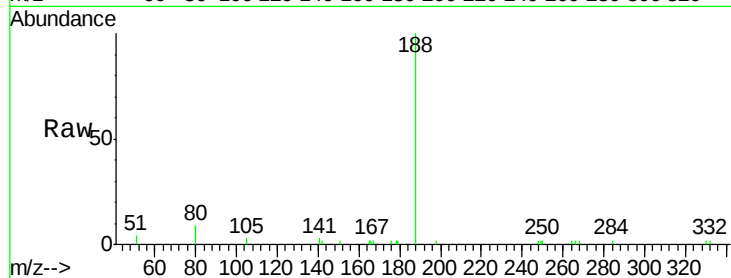
Tgt Ion:188 Resp: 6026

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

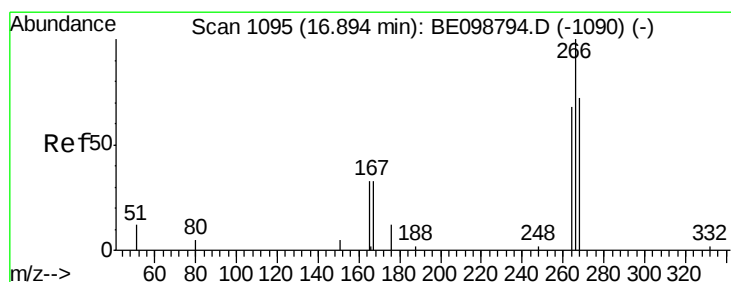
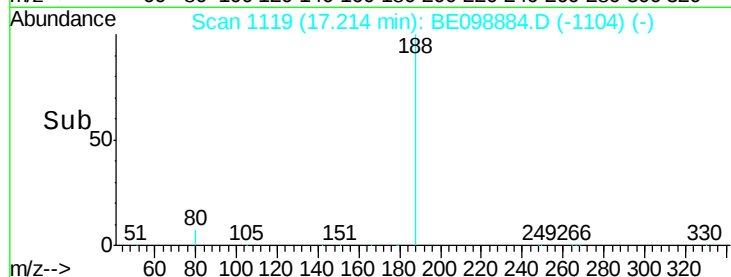
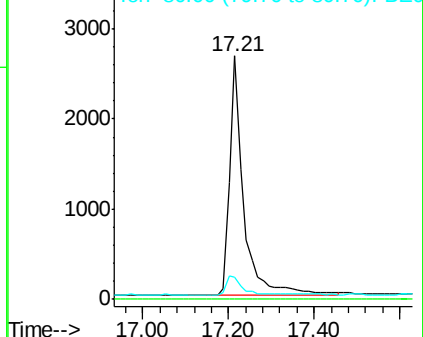
80 9.3 6.3 9.5



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: 0.272 ng

RT: 16.95 min Scan# 1099

Delta R.T. 0.05 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

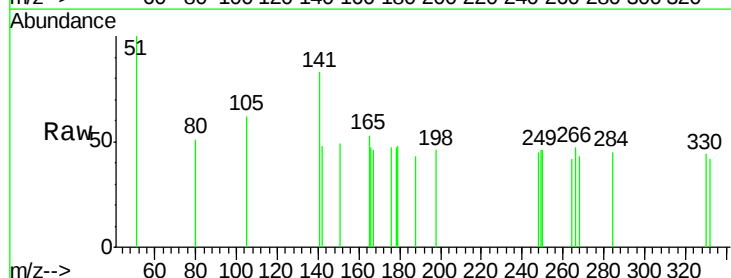
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 89.8 66.6 100.0

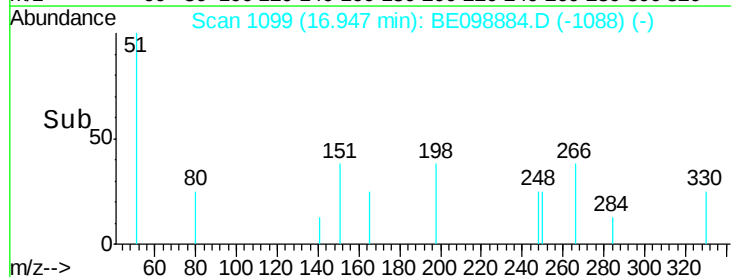
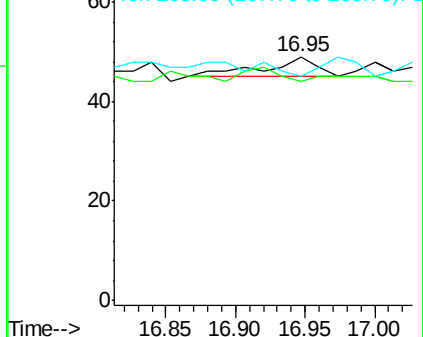
268 91.8 69.8 104.8

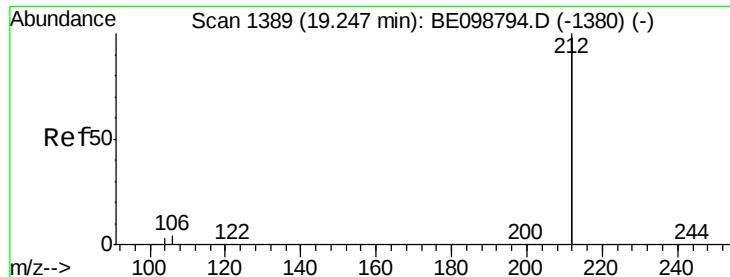


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

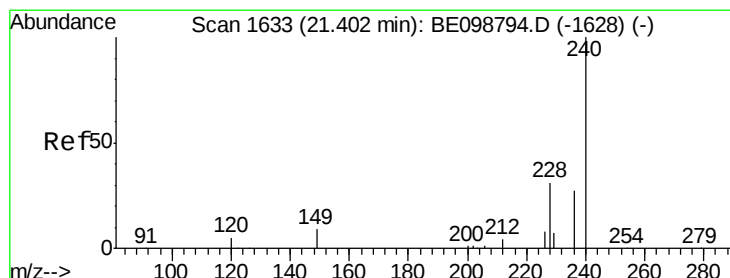
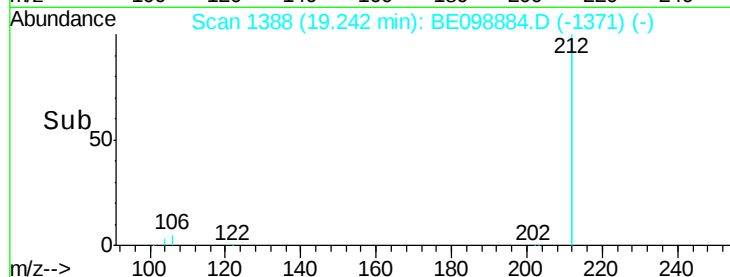
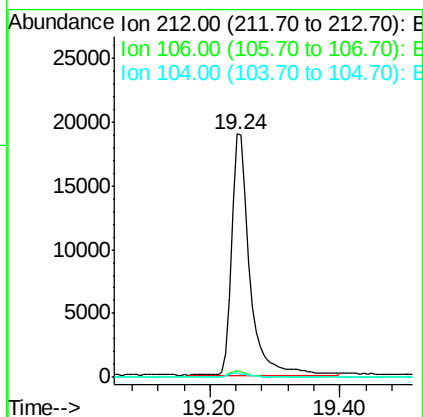
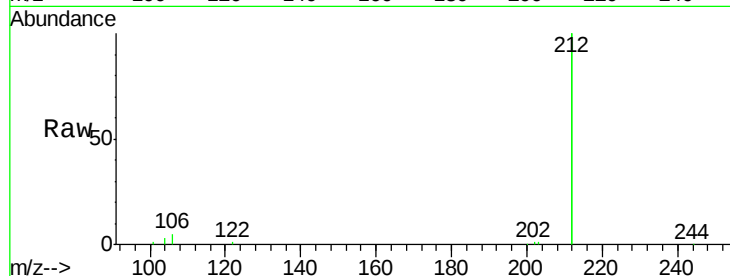
Instrument :

BNA_E

ClientSampleId :

RE103D1-20190308

Tgt Ion:	212	Resp:	35451
Ion	Ratio	Lower	Upper
212	100		
106	2.4	1.8	2.8
104	1.3	1.0	1.6



#27

Chrysene-d12

Concen: 0.400 ng

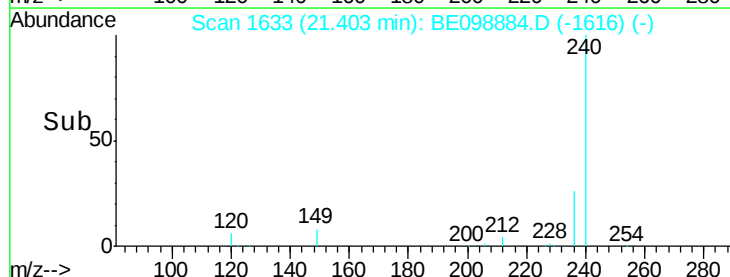
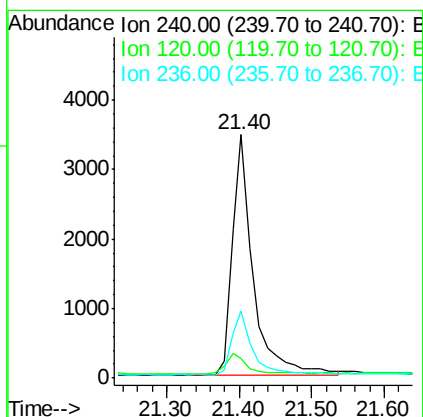
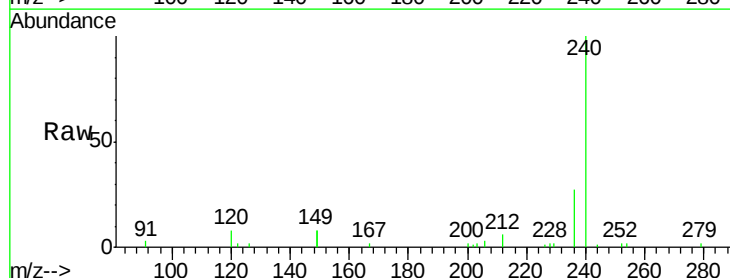
RT: 21.40 min Scan# 1633

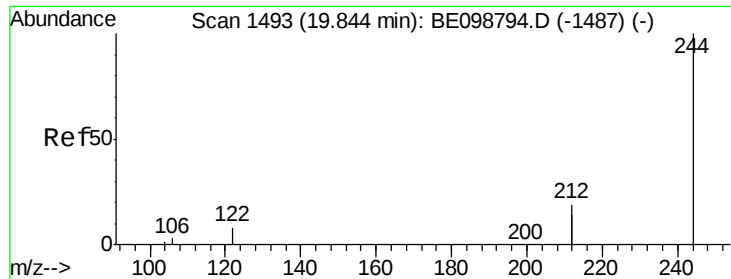
Delta R.T. 0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Tgt Ion:	240	Resp:	6985
Ion	Ratio	Lower	Upper
240	100		
120	7.8	5.0	7.4#
236	27.3	22.7	34.1





#29

Terphenyl-d14

Concen: 0.503 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE098884.D

Acq: 12 Mar 2019 5:58

Instrument :

BNA_E

ClientSampleId :

RE103D1-20190308

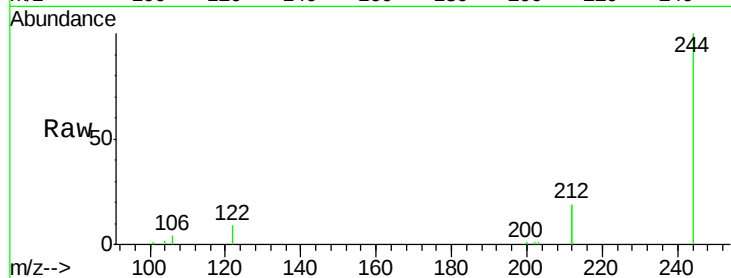
Tgt Ion:244 Resp: 8530

Ion Ratio Lower Upper

244 100

212 37.1 29.4 44.2

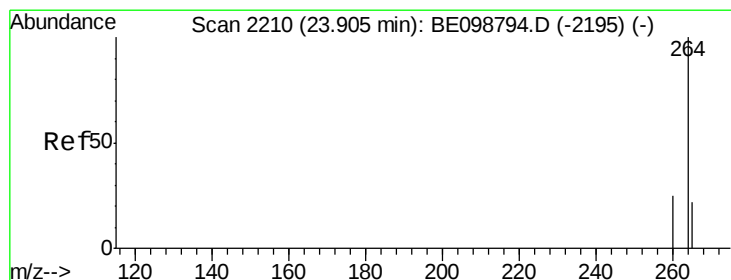
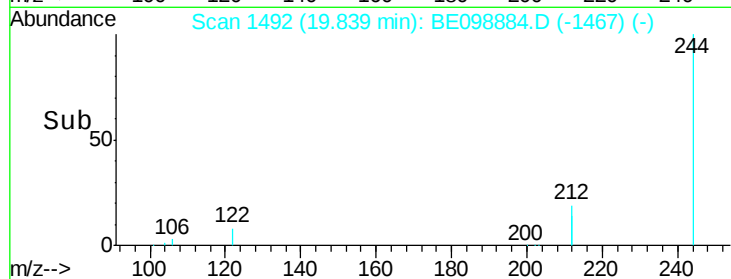
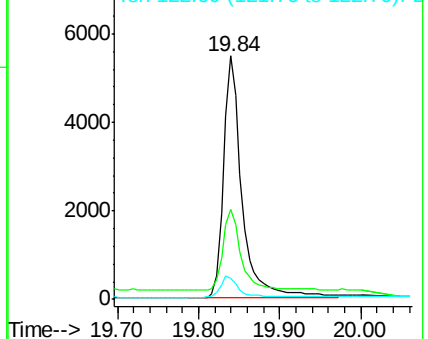
122 8.7 7.1 10.7



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: BE098884.D

Acq: 12 Mar 2019 5:58

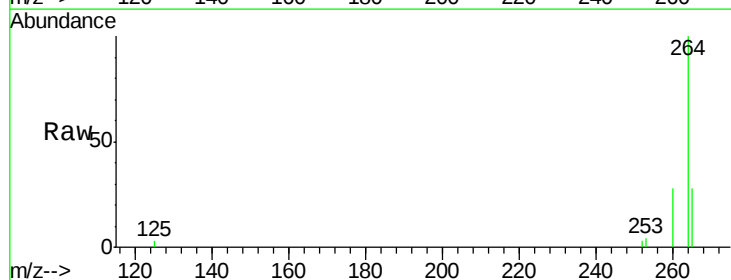
Tgt Ion:264 Resp: 6923

Ion Ratio Lower Upper

264 100

260 27.7 21.2 31.8

265 27.8 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

