

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE031219\
 Data File : BE098903.D
 Acq On : 12 Mar 2019 18:19
 Operator : JU/SJ
 Sample : K1839-10DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP03-20190308DL

Quant Time: Mar 13 07:46:01 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

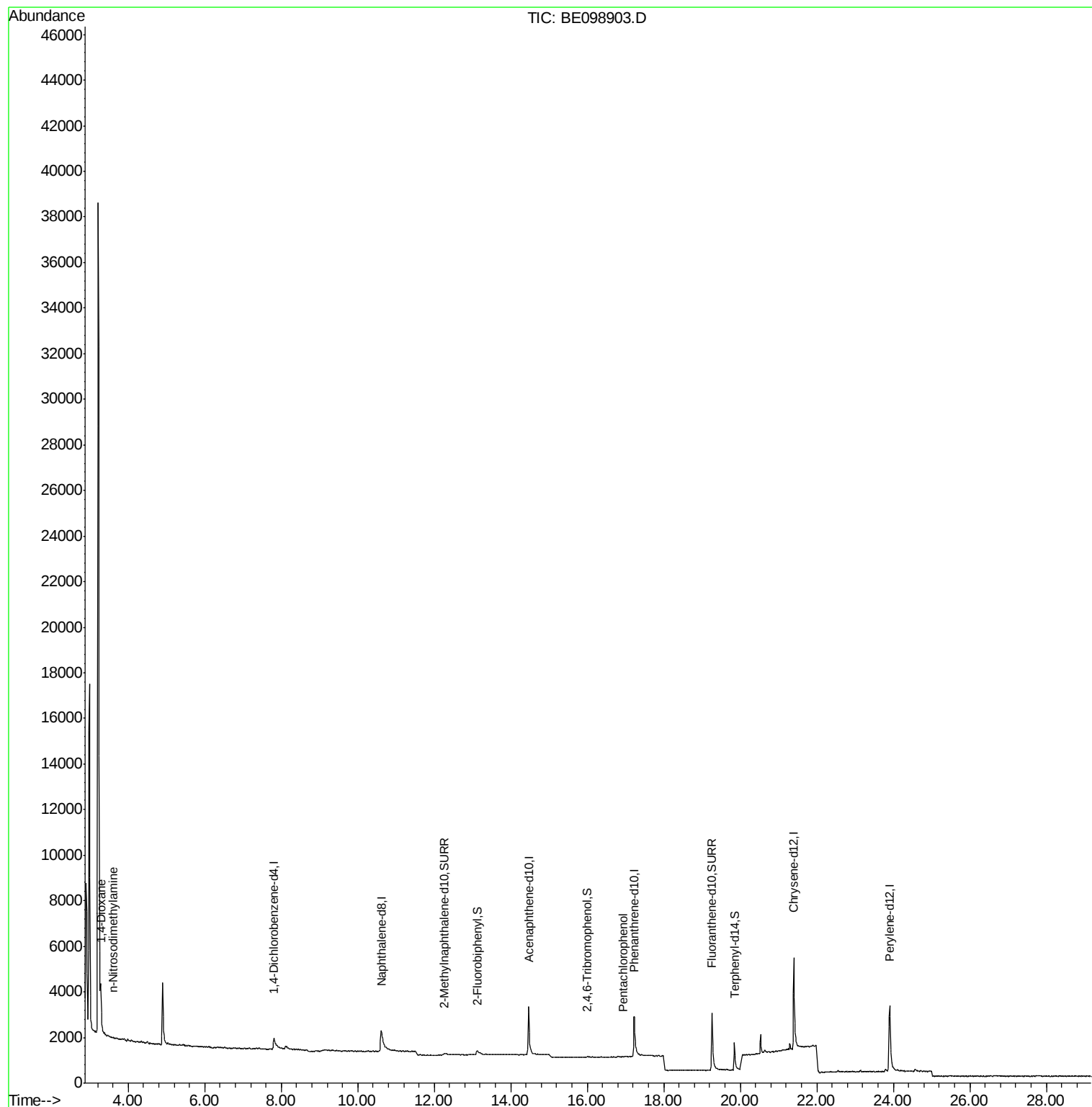
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	551	0.40	ng	0.01
7) Naphthalene-d8	10.61	136	2741	0.40	ng	0.03
13) Acenaphthene-d10	14.47	164	2163	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	5587	0.40	ng	0.01
27) Chrysene-d12	21.40	240	6341	0.40	ng	0.00
34) Perylene-d12	23.90	264	6098	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	32	0.02	ng	0.06
5) Phenol-d6	6.96	99	12	0.01	ng	-0.02
8) Nitrobenzene-d5	8.95	82	16	0.01	ng	-0.01
11) 2-Methylnaphthalene-d10	12.25	152	416	0.08	ng	0.06
14) 2,4,6-Tribromophenol	16.00	330	47	0.04	ng	0.03
15) 2-Fluorobiphenyl	13.12	172	684	0.08	ng	0.03
25) Fluoranthene-d10	19.26	212	6149	0.07	ng	0.01
29) Terphenyl-d14	19.85	244	1636	0.11	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.29	88	1140	1.240	ng	92
3) n-Nitrosodimethylamine	3.61	42	32	0.023	ng	# 52
22) Pentachlorophenol	16.93	266	6	0.269	ng	89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. 0.01 min

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Instrument :

BNA_E

ClientSampleId :

DUP03-20190308DL

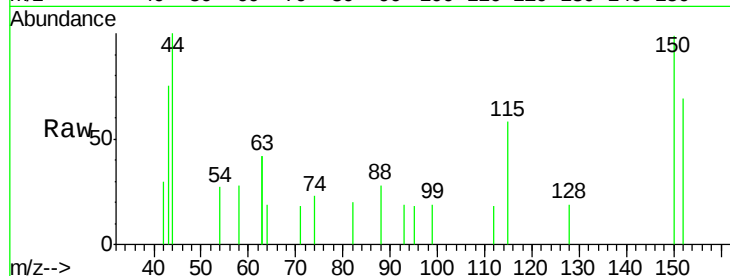
Tgt Ion: 152 Resp: 551

Ion Ratio Lower Upper

152 100

150 143.5 122.5 183.7

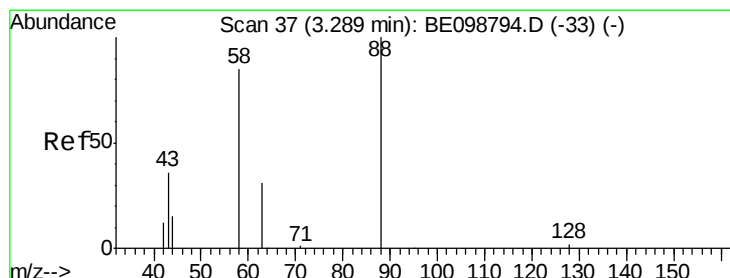
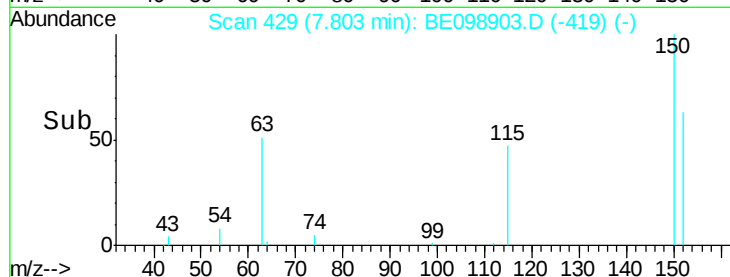
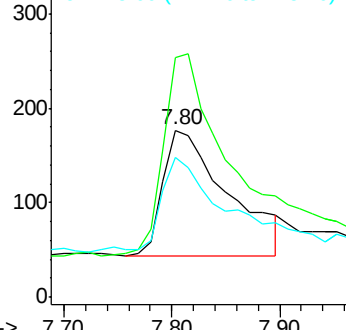
115 83.6 57.4 86.2



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: 1.240 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

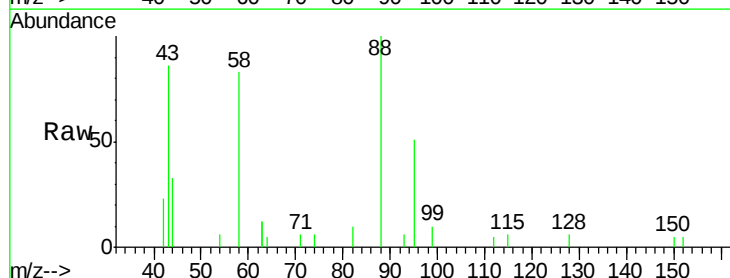
Tgt Ion: 88 Resp: 1140

Ion Ratio Lower Upper

88 100

58 101.5 75.8 113.6

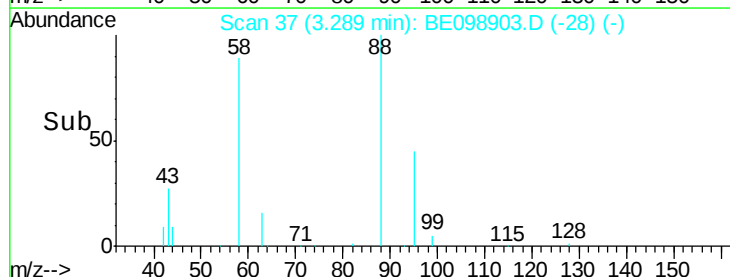
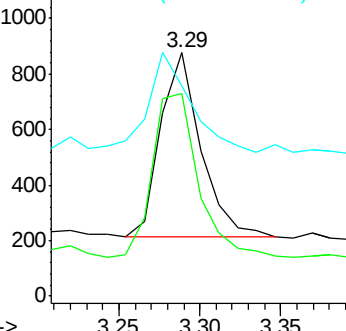
43 58.2 41.8 62.8



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: 0.023 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.01 min

Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

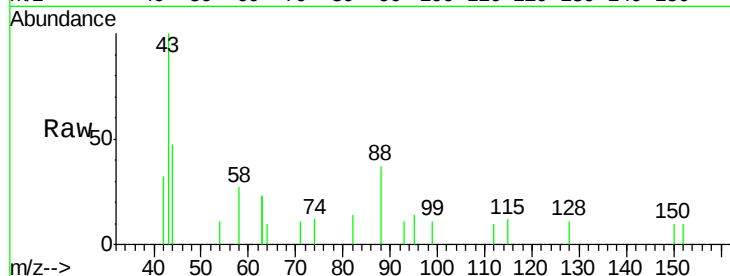
Instrument :

BNA_E

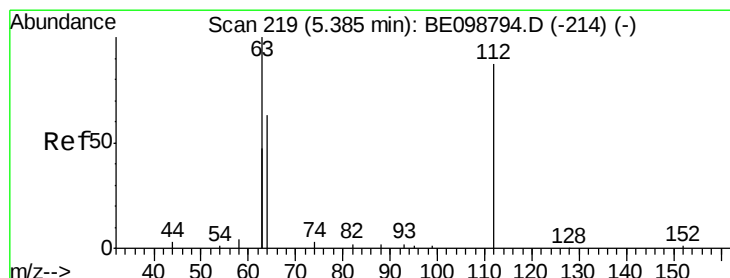
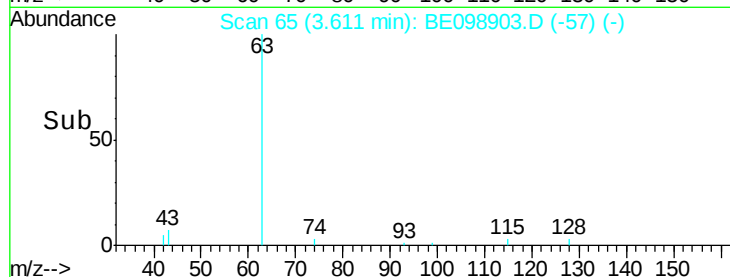
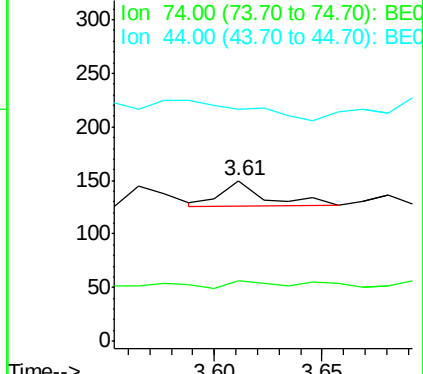
ClientSampleId :

DUP03-20190308DL

Tgt Ion:	42	Resp:	32
Ion	Ratio	Lower	Upper
42	100		
74	31.3	57.0	85.4#
44	0.0	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: 0.019 ng

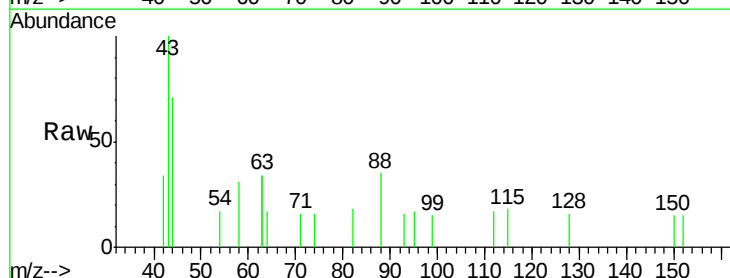
RT: 5.44 min Scan# 224

Delta R.T. 0.06 min

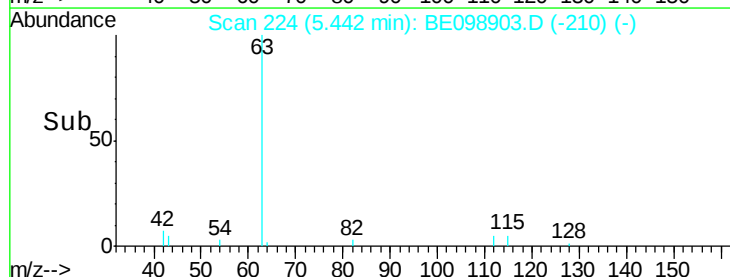
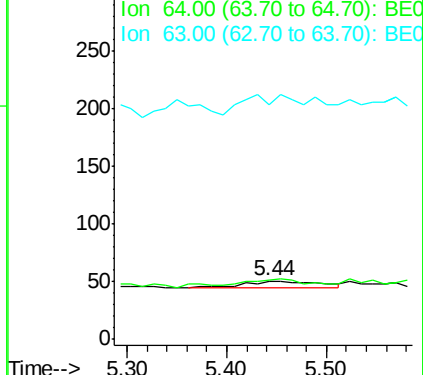
Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

Tgt Ion:	112	Resp:	32
Ion	Ratio	Lower	Upper
112	100		
64	81.3	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: 0.005 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.02 min

Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

Instrument :

BNA_E

ClientSampleId :

DUP03-20190308DL

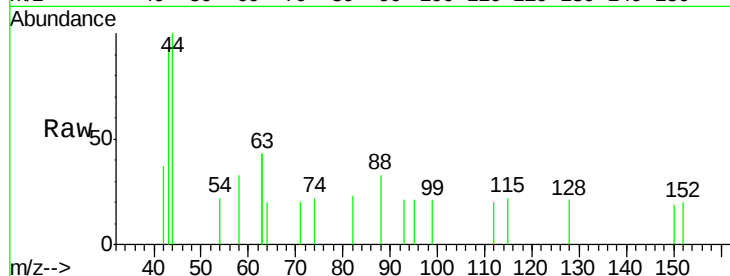
Tgt Ion: 99 Resp: 12

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

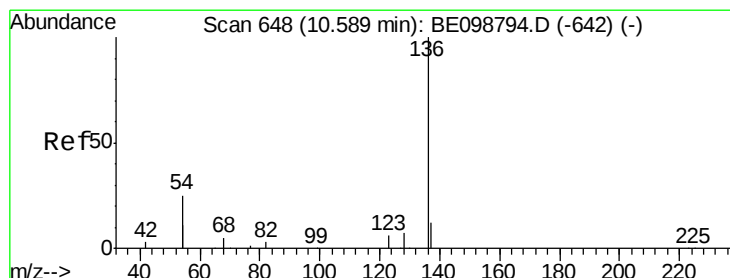
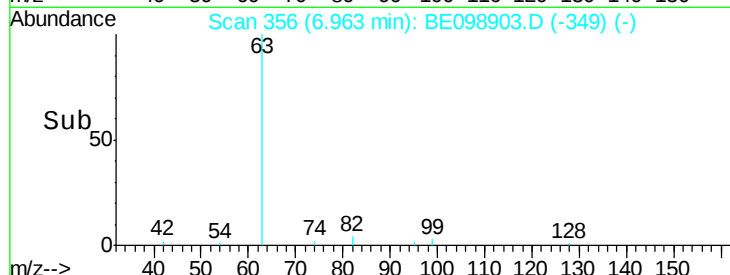
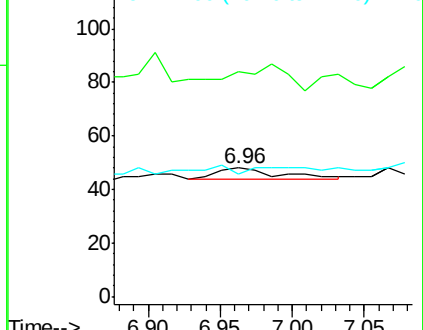
71 25.0 35.7 53.5#



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: BE098903.D

Acq: 12 Mar 2019 18:19

Tgt Ion: 136 Resp: 2741

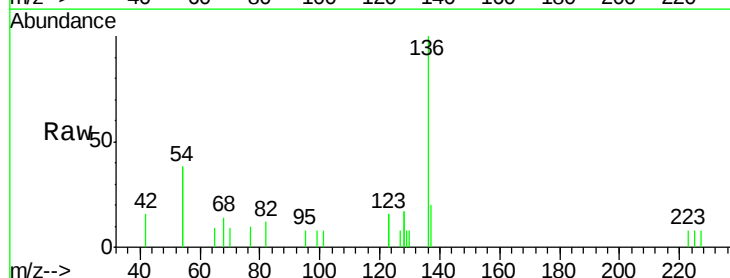
Ion Ratio Lower Upper

136 100

137 19.5 11.4 17.0#

54 76.1 39.3 58.9#

68 14.1 6.7 10.1#

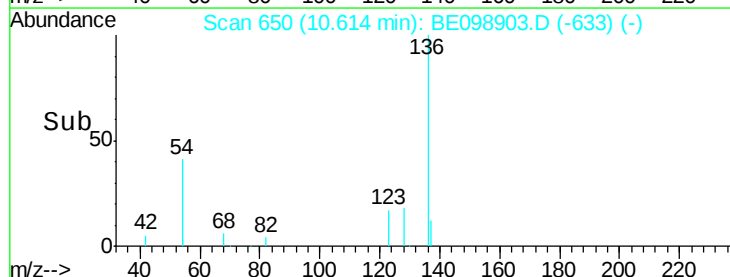
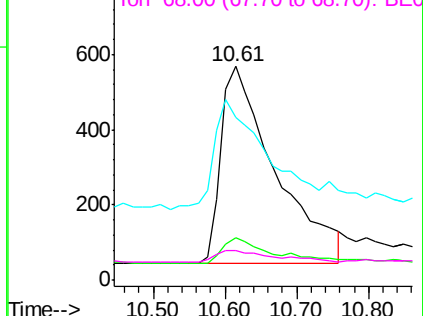


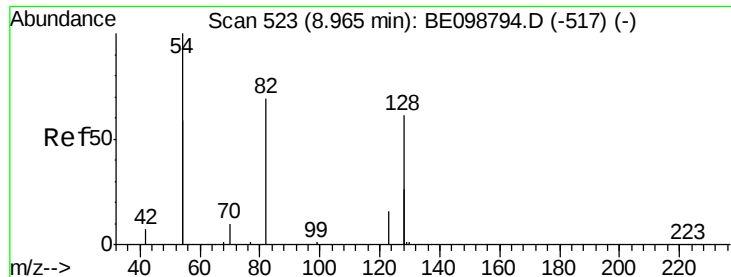
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.006 ng

RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

Instrument :

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DUP03-20190308DL

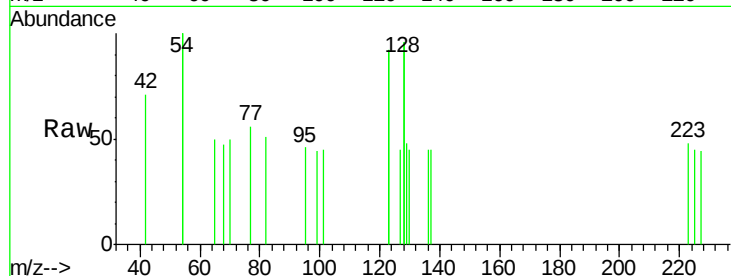
Tgt Ion: 82 Resp: 16

Ion Ratio Lower Upper

82 100

128 373.1 123.8 185.8#

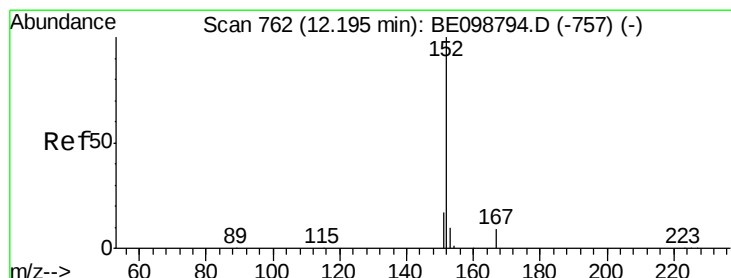
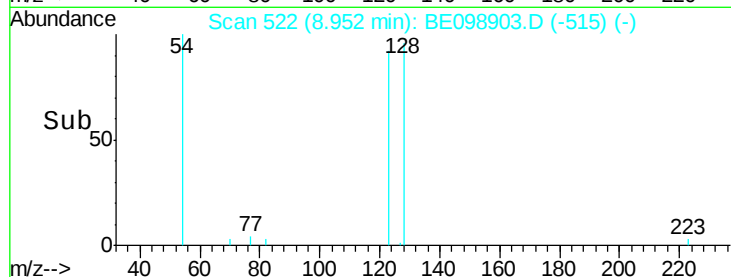
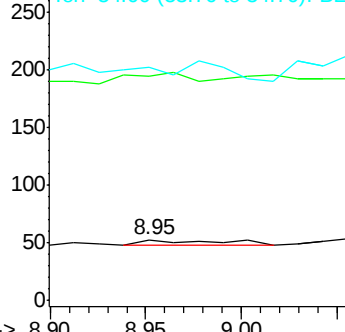
54 388.5 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.082 ng

RT: 12.25 min Scan# 766

Delta R.T. 0.06 min

Lab File: BE098903.D

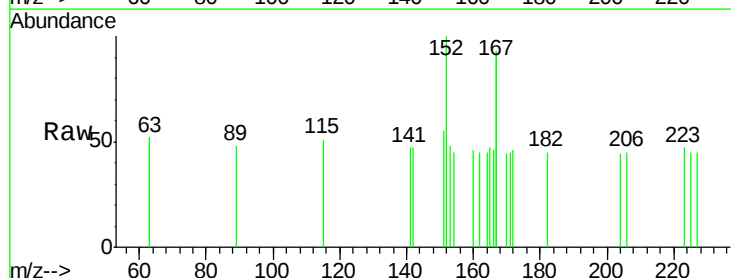
Acq: 12 Mar 2019 18:19

Tgt Ion: 152 Resp: 416

Ion Ratio Lower Upper

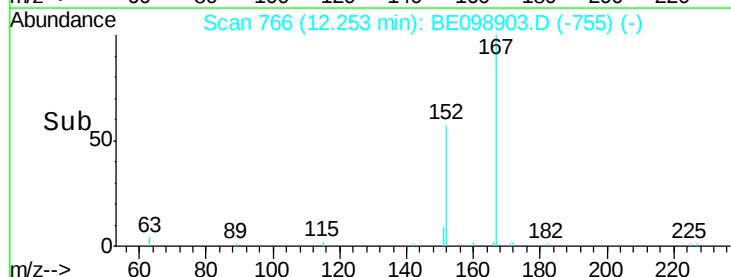
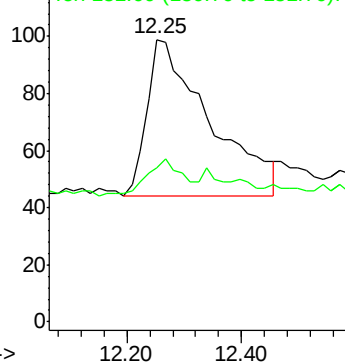
152 100

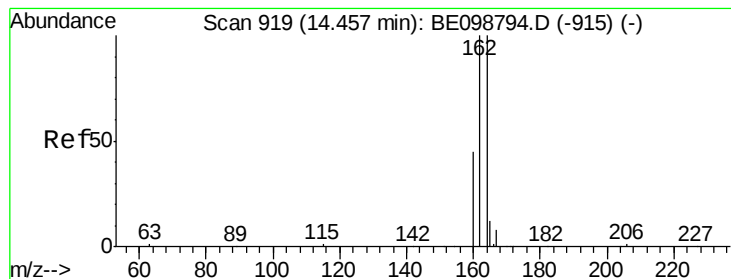
151 10.8 16.5 24.7#



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: BE098903.D

Acq: 12 Mar 2019 18:19

Instrument :

BNA_E

ClientSampleId :

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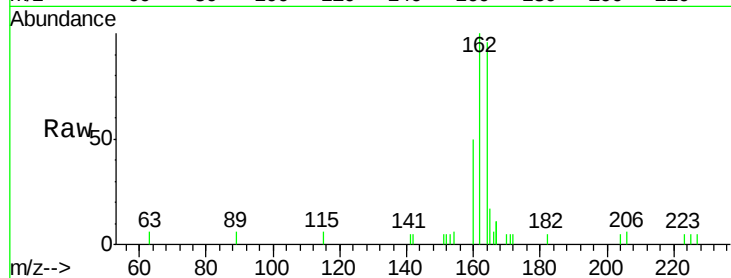
Tgt Ion:164 Resp: 2163

Ion Ratio Lower Upper

164 100

162 104.5 80.2 120.2

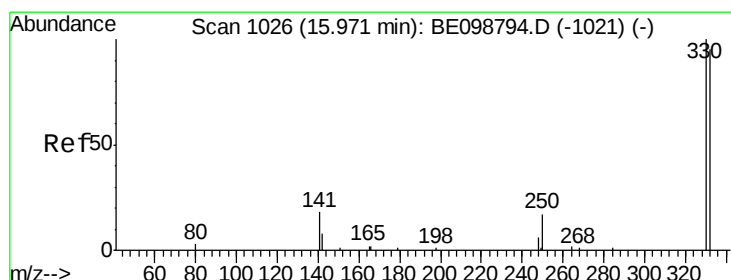
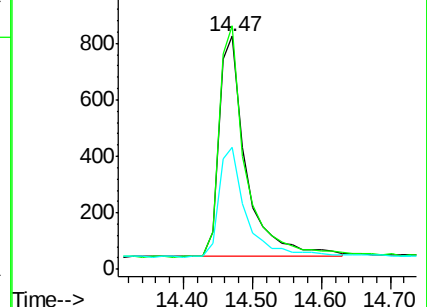
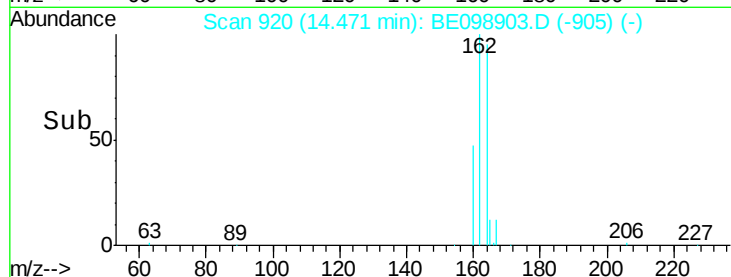
160 52.1 37.8 56.8



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: 0.043 ng

RT: 16.00 min Scan# 1028

Delta R.T. 0.03 min

Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

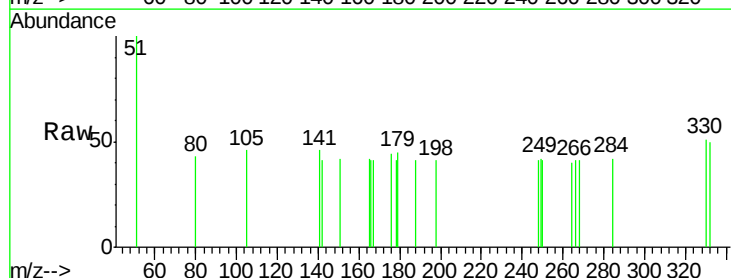
Tgt Ion:330 Resp: 47

Ion Ratio Lower Upper

330 100

332 110.6 77.6 116.4

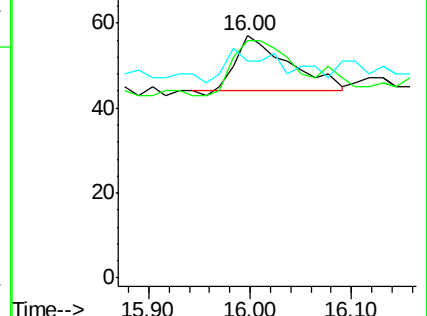
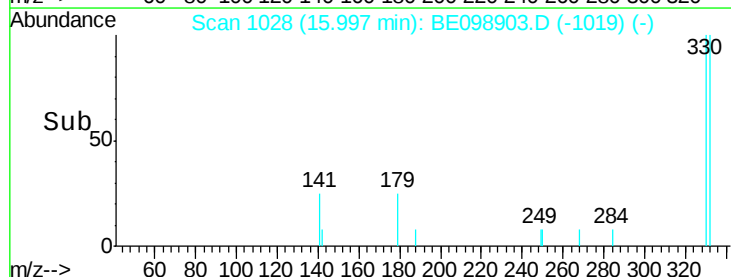
141 66.0 31.0 46.4#

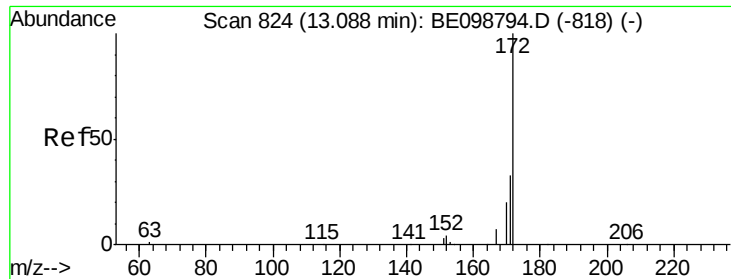


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

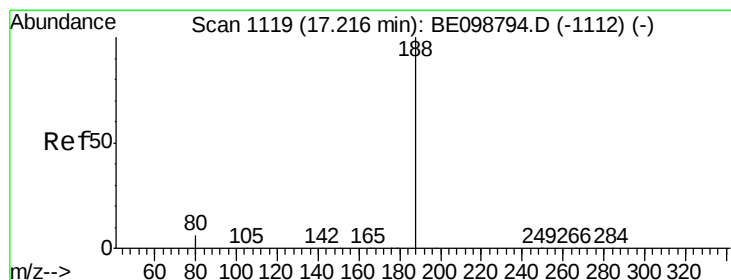
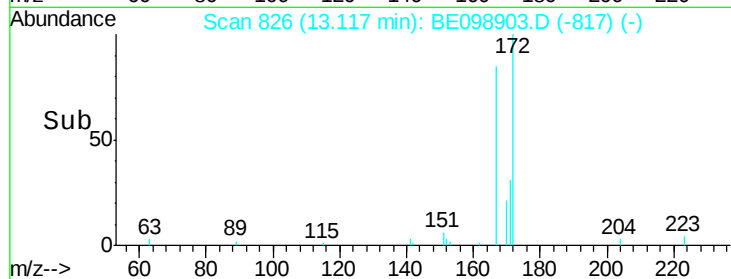
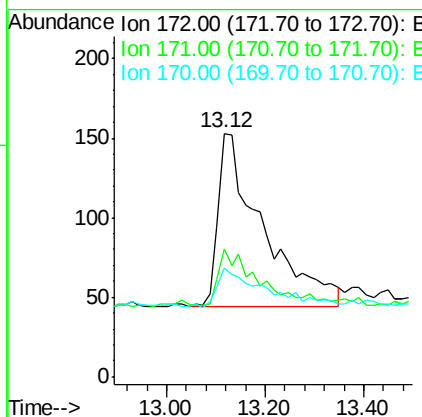
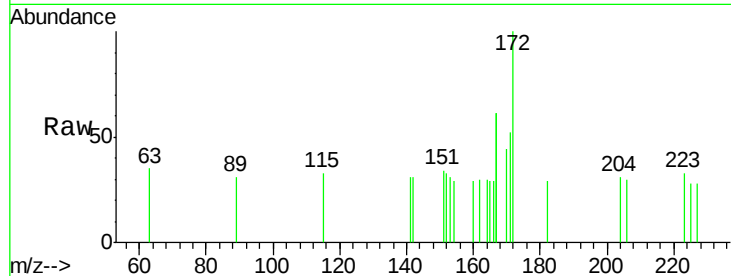




#15
2-Fluorobiphenyl
Concen: 0.076 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.03 min
Lab File: BE098903.D
Acq: 12 Mar 2019 18:19

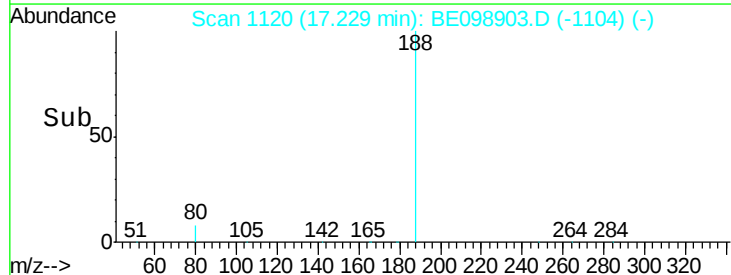
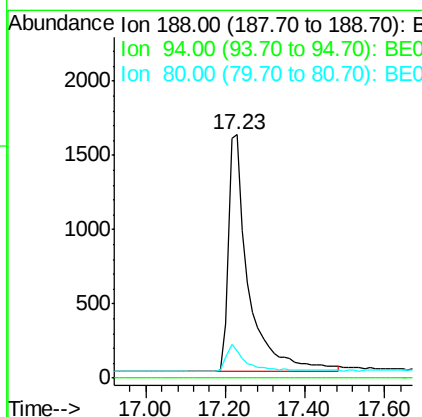
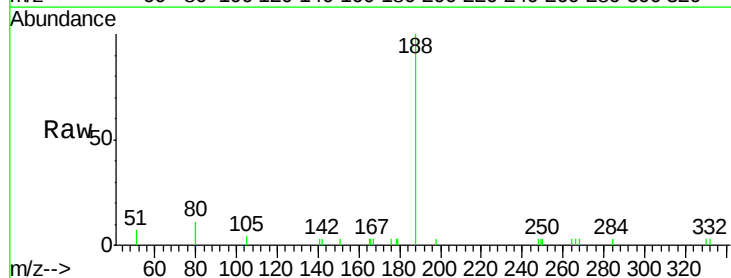
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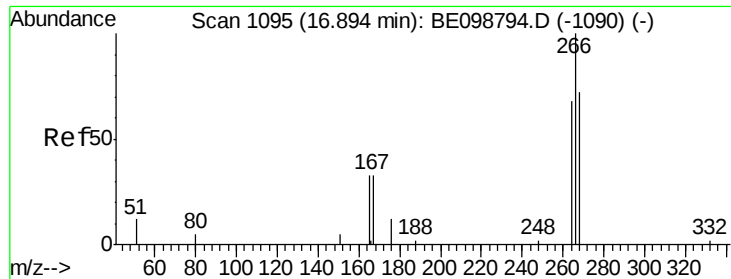
Tgt Ion:172 Resp: 684
Ion Ratio Lower Upper
172 100
171 52.3 28.0 42.0#
170 44.4 17.7 26.5#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BE098903.D
Acq: 12 Mar 2019 18:19

Tgt Ion:188 Resp: 5587
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 6.3 9.5#





#22

Pentachlorophenol

Concen: 0.269 ng

RT: 16.93 min Scan# 1098

Delta R.T. 0.04 min

Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

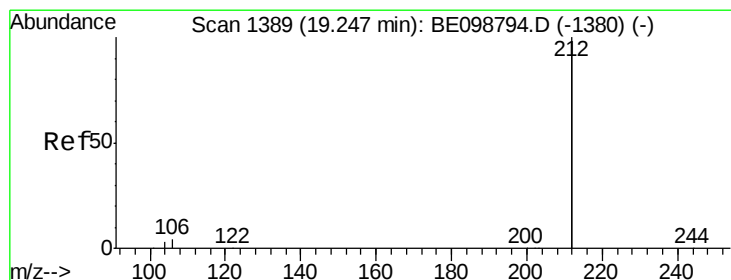
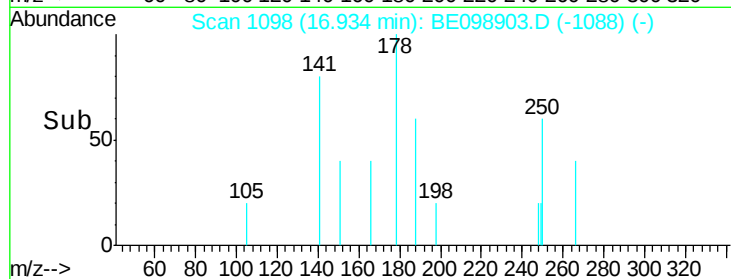
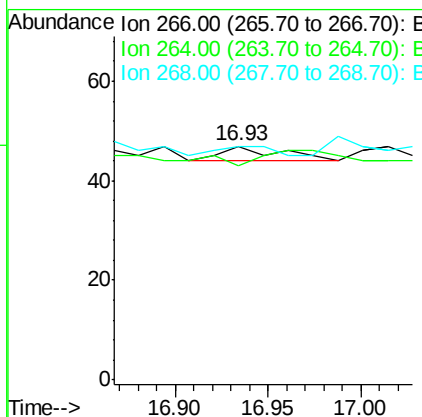
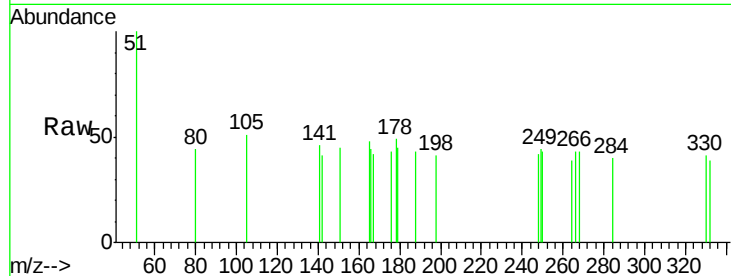
Instrument :

BNA_E

ClientSampleId :

DUP03-20190308DL

Tgt Ion:	266	Resp:	6
Ion	Ratio	Lower	Upper
266	100		
264	91.5	66.6	100.0
268	100.0	69.8	104.8



#25

Fluoranthene-d10

Concen: 0.069 ng

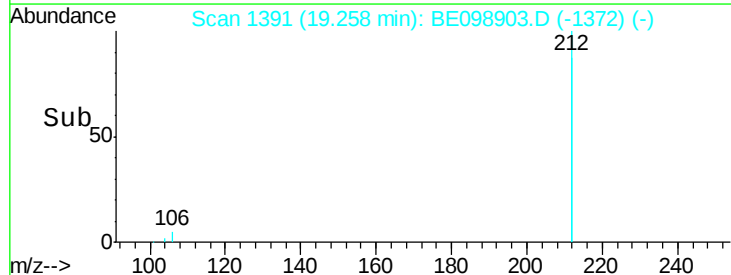
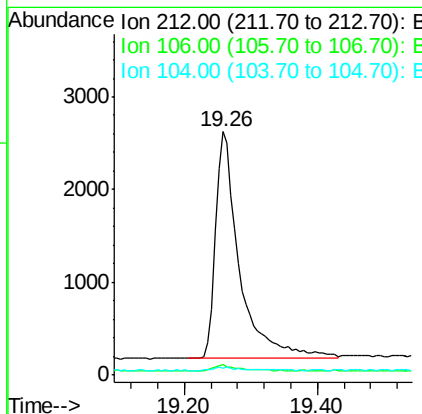
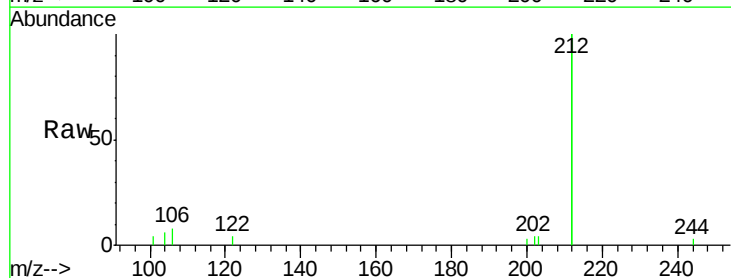
RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE098903.D

Acq: 12 Mar 2019 18:19

Tgt Ion:	212	Resp:	6149
Ion	Ratio	Lower	Upper
212	100		
106	2.4	1.8	2.8
104	1.4	1.0	1.6

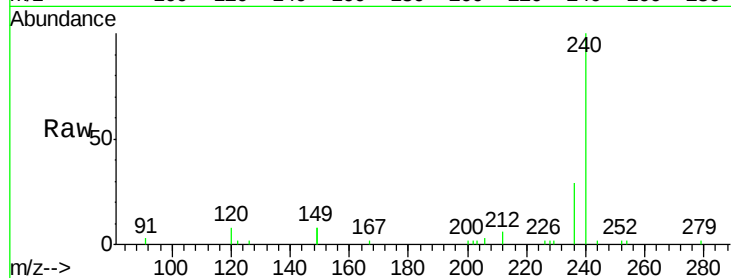




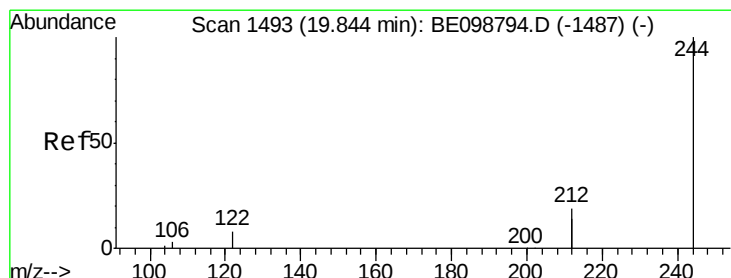
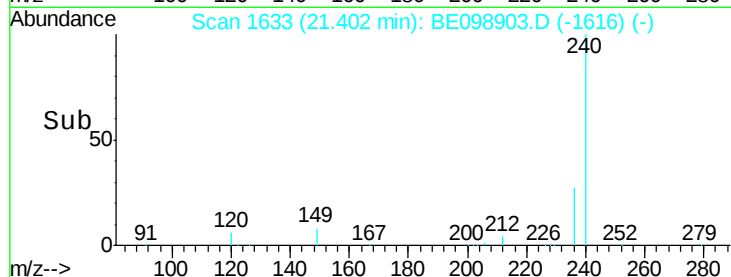
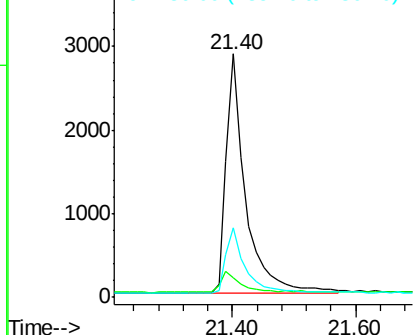
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE098903.D
 Acq: 12 Mar 2019 18:19

Instrument :
 BNA_E
 ClientSampleId :
 DUP03-20190308DL

Tgt Ion:240 Resp: 6341
 Ion Ratio Lower Upper
 240 100
 120 8.2 5.0 7.4#
 236 28.7 22.7 34.1

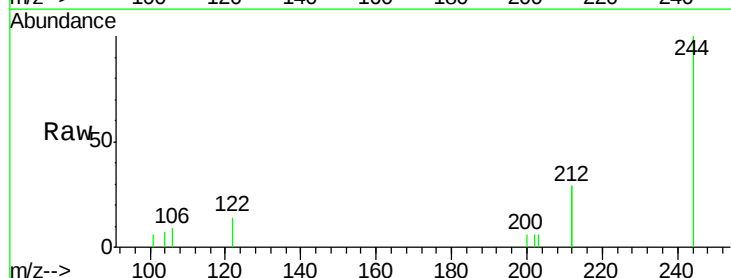


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

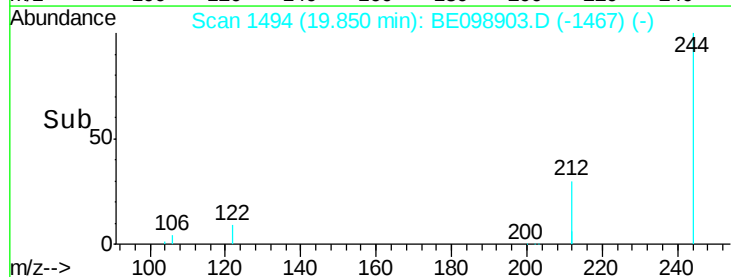
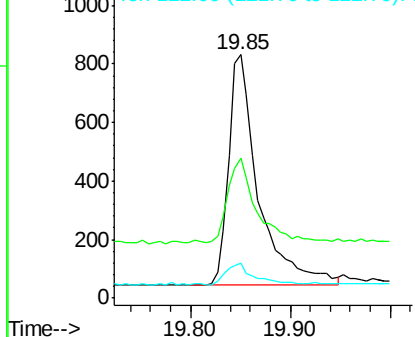


#29
 Terphenyl-d14
 Concen: 0.106 ng
 RT: 19.85 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: BE098903.D
 Acq: 12 Mar 2019 18:19

Tgt Ion:244 Resp: 1636
 Ion Ratio Lower Upper
 244 100
 212 57.5 29.4 44.2#
 122 14.4 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. -0.01 min
Lab File: BE098903.D
Acq: 12 Mar 2019 18:19

Instrument :
BNA_E
ClientSampleId :
DUP03-20190308DL

Tgt Ion: 264 Resp: 6098
Ion Ratio Lower Upper
264 100
260 25.8 21.2 31.8
265 26.8 24.6 36.8

