

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093914.D
 Acq On : 1 Sep 2017 22:31
 Operator : SJ/JU
 Sample : I4963-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3834-CC5

Quant Time: Sep 02 01:21:49 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 16:31:36 2017
 Response via : Initial Calibration

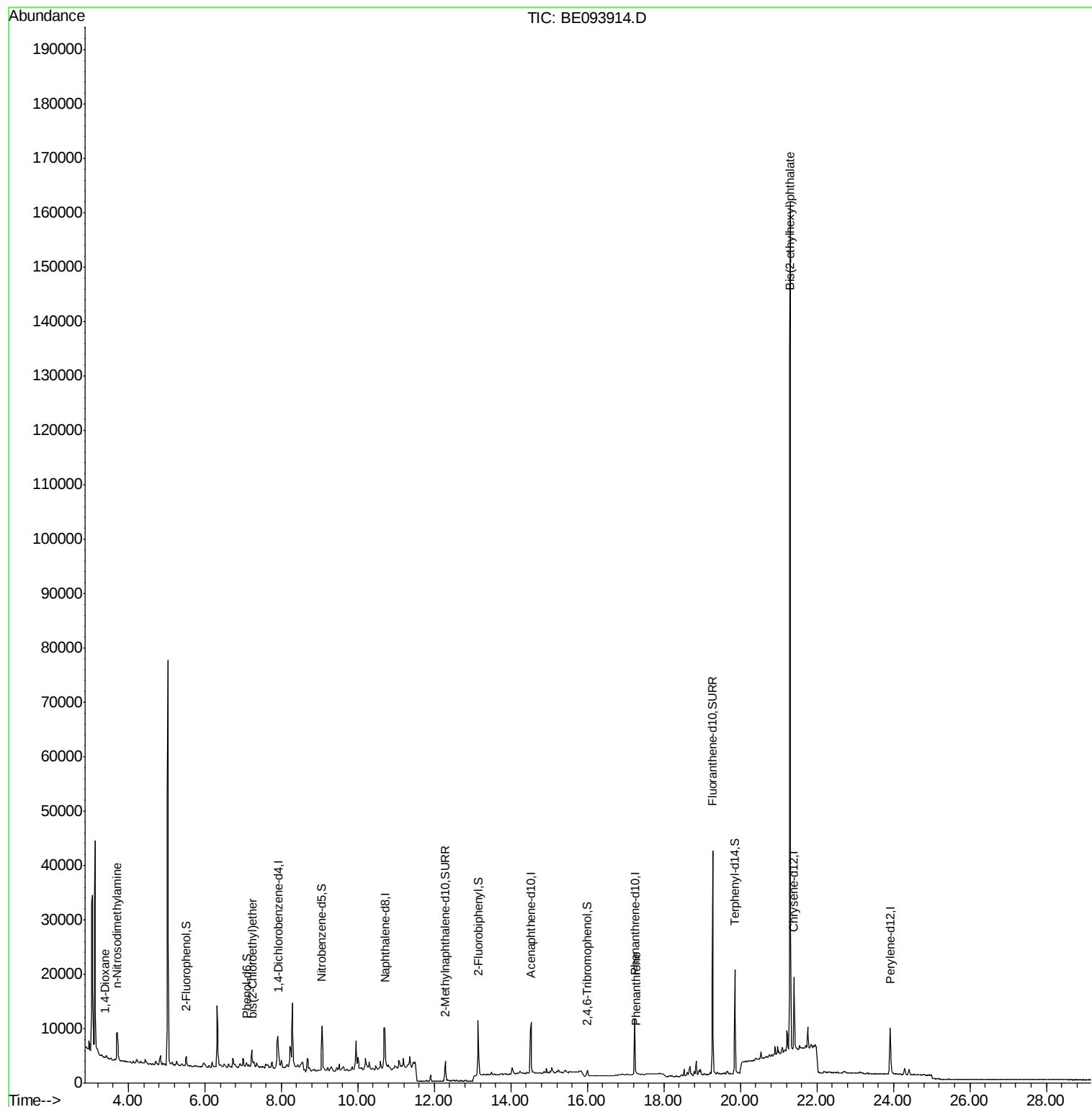
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2112	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11143	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	6539	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	17739	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15683	0.40	ng	-0.01
34) Perylene-d12	23.92	264	13856	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1085	0.17	ng	0.00
5) Phenol-d6	7.10	99	962	0.10	ng	0.00
8) Nitrobenzene-d5	9.06	82	3441	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5590	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	974	0.56	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9640	0.37	ng	-0.01
25) Fluoranthene-d10	19.27	212	56299	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	17210	0.61	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.40	88	91	0.031	ng	# 18
3) n-Nitrosodimethylamine	3.70	42	814	0.252	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	1024	0.134	ng	# 1
20) 4-Bromophenyl-phenylether	16.42	248	2	Below Cal	#	1
21) Hexachlorobenzene	16.58	284	4	Below Cal	#	100
23) Phenanthrene	17.27	178	947	0.021	ng	# 44
32) Bis(2-ethylhexyl)phthalate	21.30	149	200808	2.045	ng	100

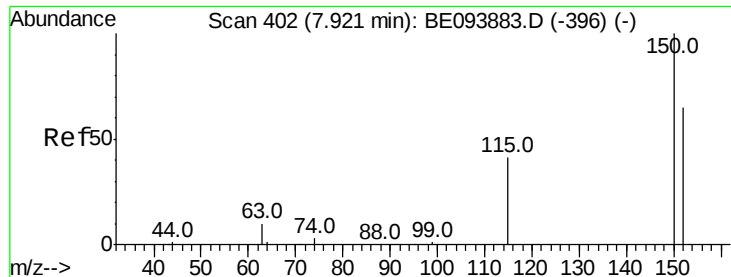
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampleId :

3834-CC5

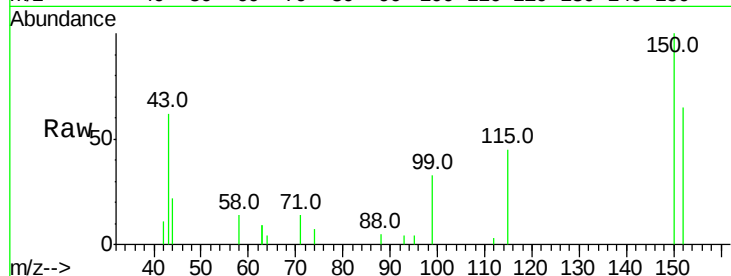
Tot Ion:152 Resp: 2112

Ion Ratio Lower Upper

152 100

150 154.6 121.8 182.6

115 69.1 52.6 79.0



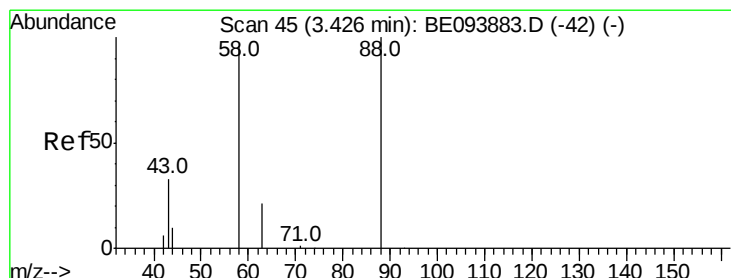
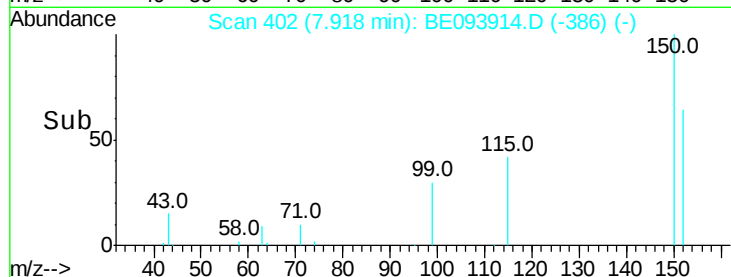
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.92

Time-->



#2

1,4-Dioxane

Concen: 0.031 ng

RT: 3.40 min Scan# 43

Delta R.T. -0.03 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

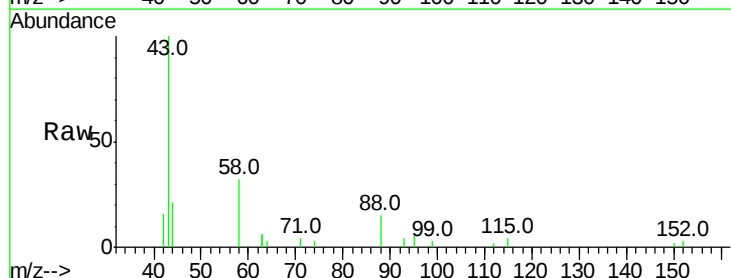
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

58 0.0 65.4 98.0#

43 0.0 23.9 35.9#



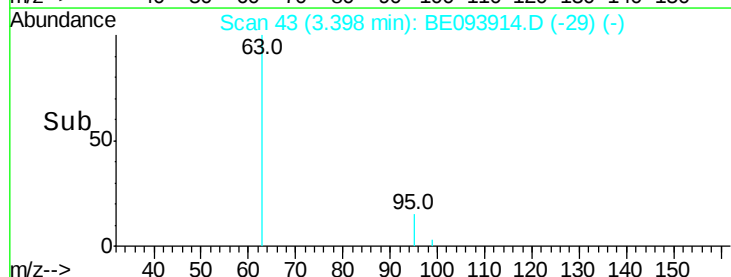
Abundance Ion 88.00 (87.70 to 88.70): BE0

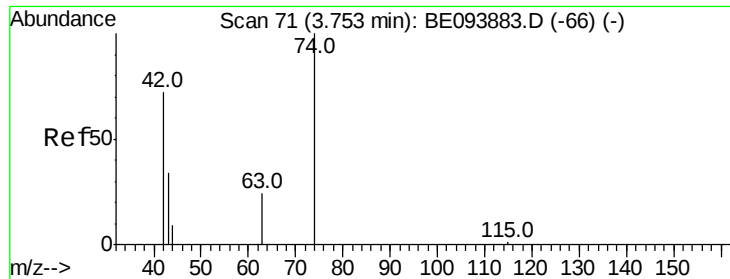
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.40

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.252 ng

RT: 3.70 min Scan# 67

Delta R.T. -0.05 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampled :

3834-CC5

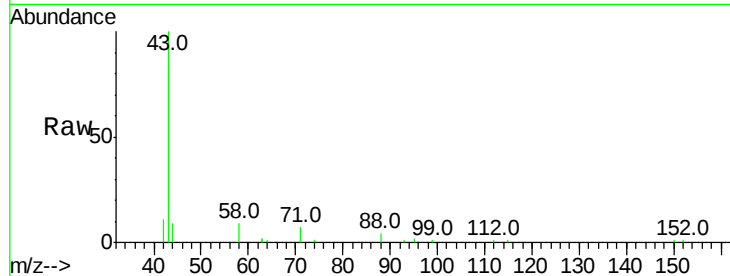
Tot Ion: 42 Resp: 814

Ion Ratio Lower Upper

42 100

74 0.0 104.0 156.0#

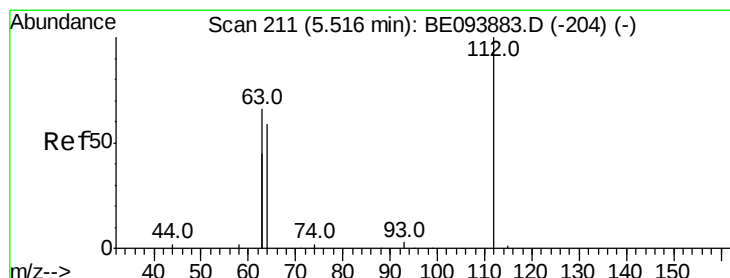
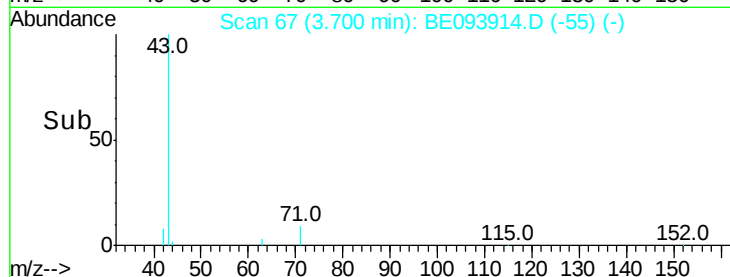
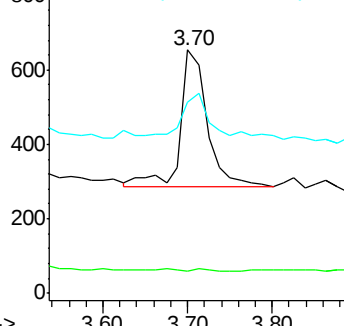
44 52.8 13.8 20.8#



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: 0.167 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

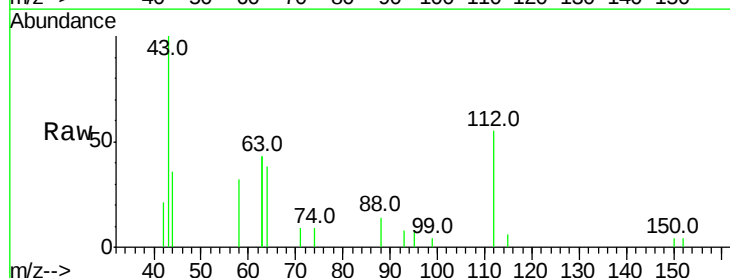
Tgt Ion: 112 Resp: 1085

Ion Ratio Lower Upper

112 100

64 71.9 57.7 86.5

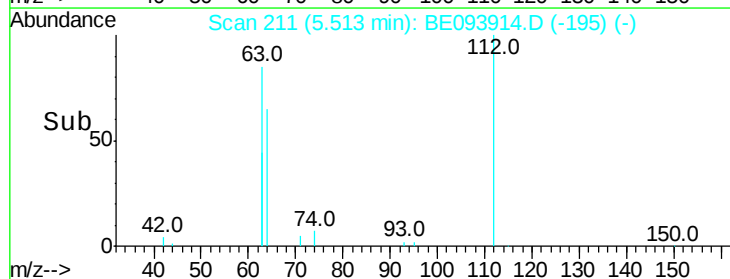
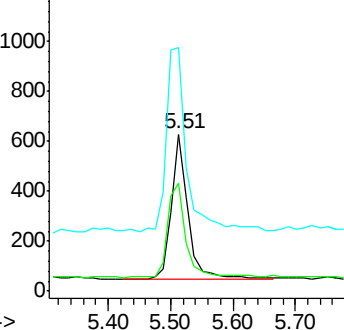
63 157.8 116.0 174.0

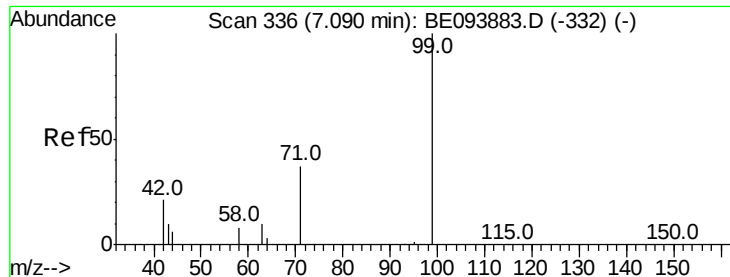


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.097 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampleId :

3834-CC5

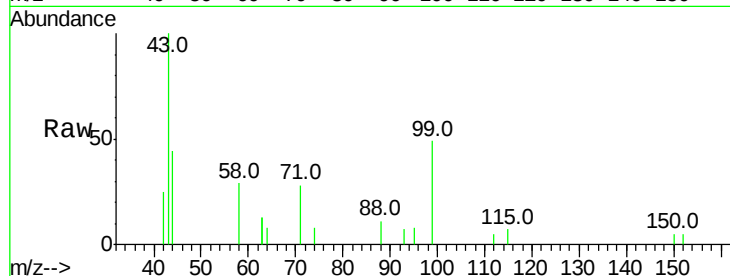
Tot Ion: 99 Resp: 962

Ion Ratio Lower Upper

99 100

42 16.8 17.1 25.7#

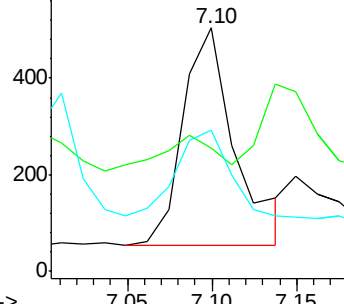
71 43.5 26.6 39.8#



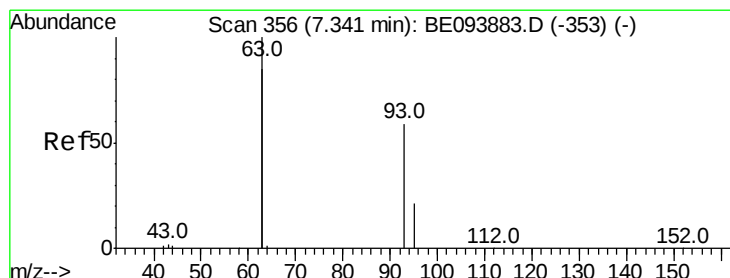
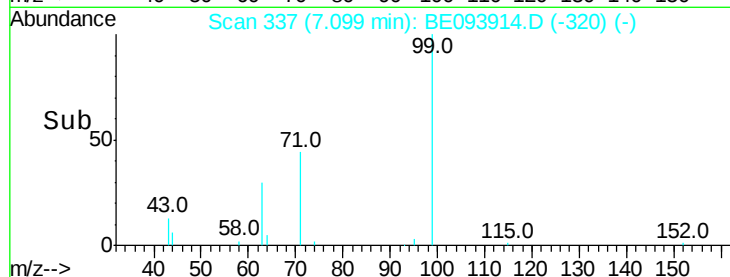
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.134 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.09 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

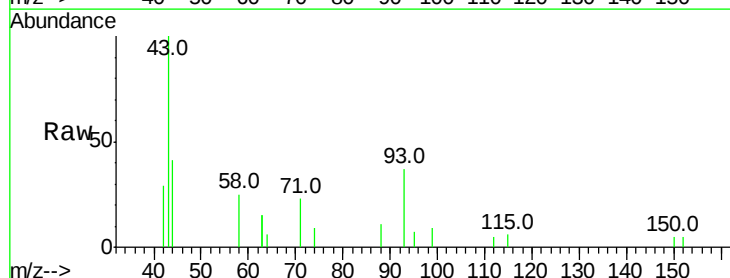
Tgt Ion: 93 Resp: 1024

Ion Ratio Lower Upper

93 100

63 22.2 283.4 425.2#

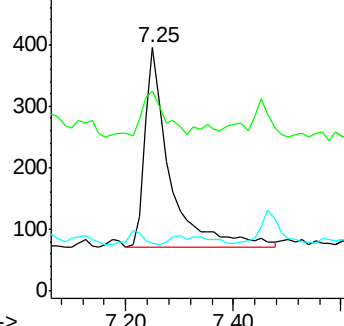
95 0.0 26.9 40.3#



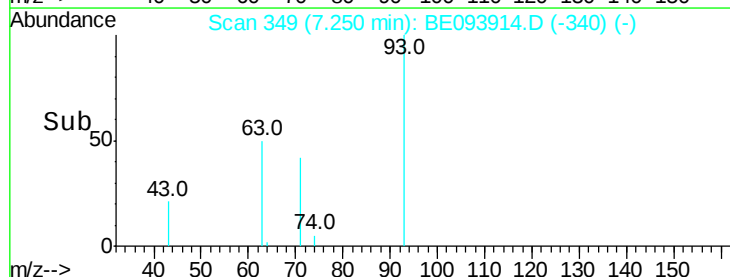
Abundance Ion 93.00 (92.70 to 93.70): BE0

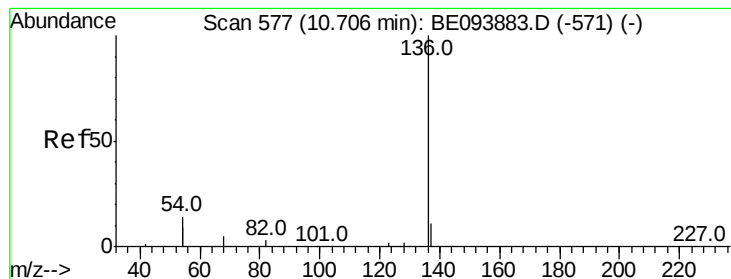
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampleId :

3834-CC5

Tot Ion:136 Resp: 11143

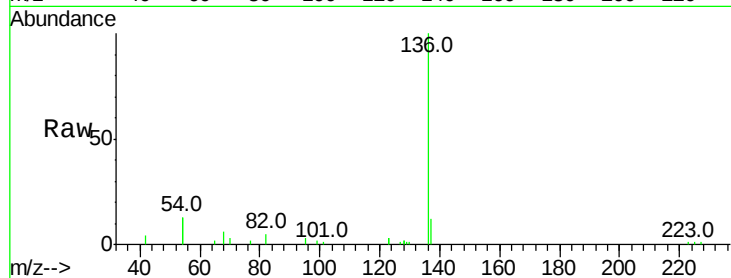
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 25.0 21.9 32.9

68 6.2 4.6 7.0

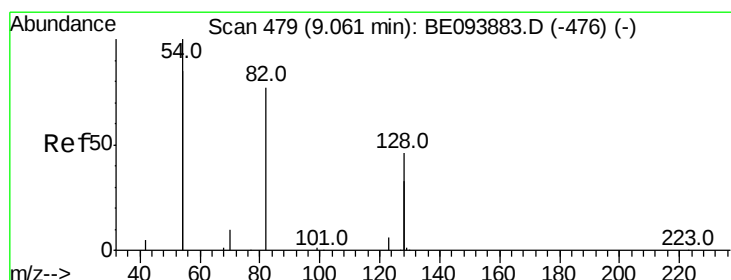
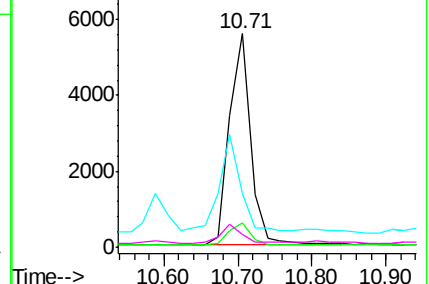
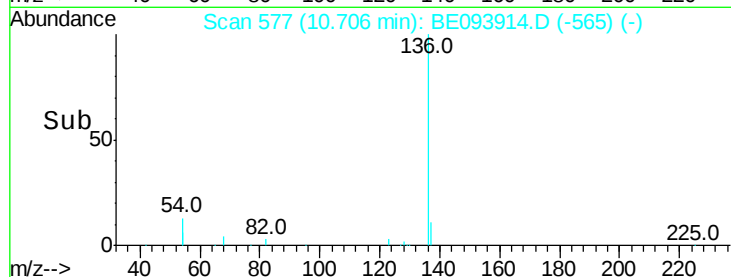


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

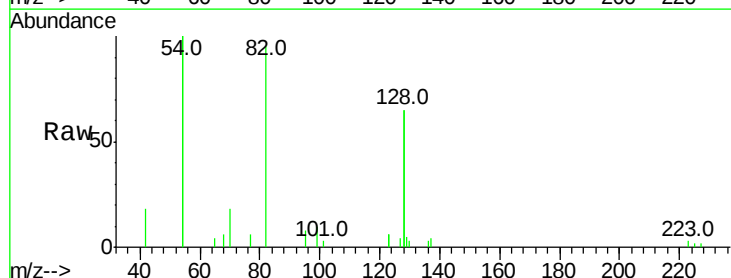
Tgt Ion: 82 Resp: 3441

Ion Ratio Lower Upper

82 100

128 137.5 91.4 137.0#

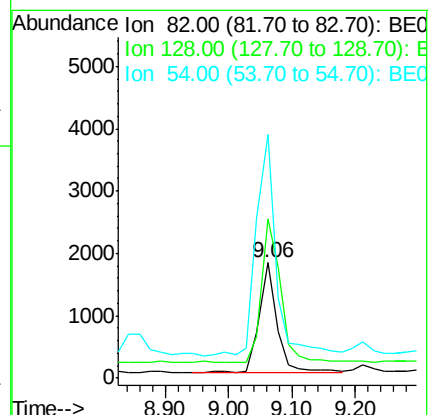
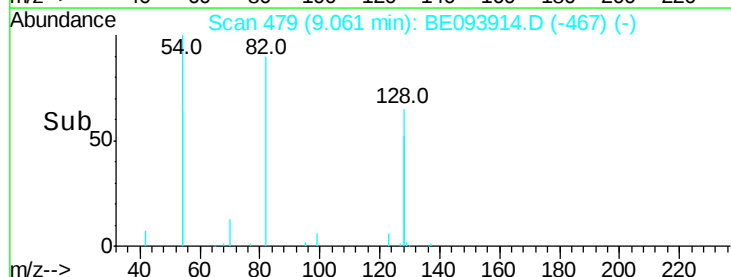
54 211.0 197.8 296.8

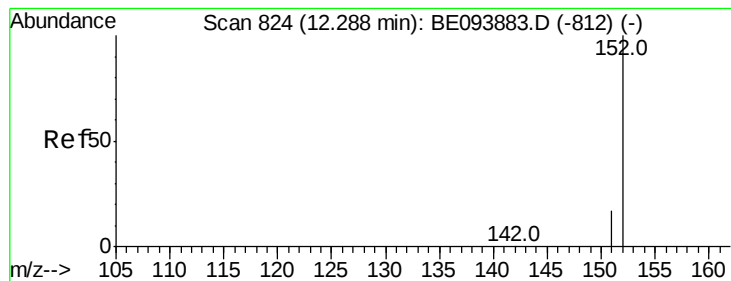


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.317 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampleId :

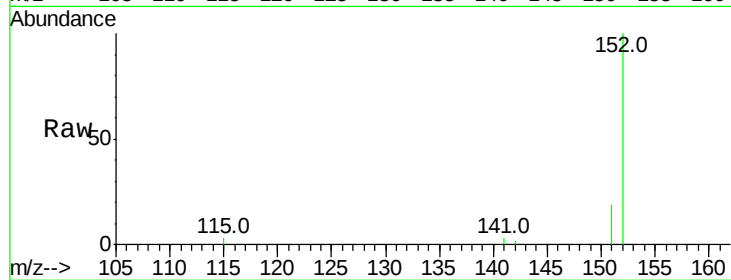
3834-CC5

Tot Ion:152 Resp: 5590

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

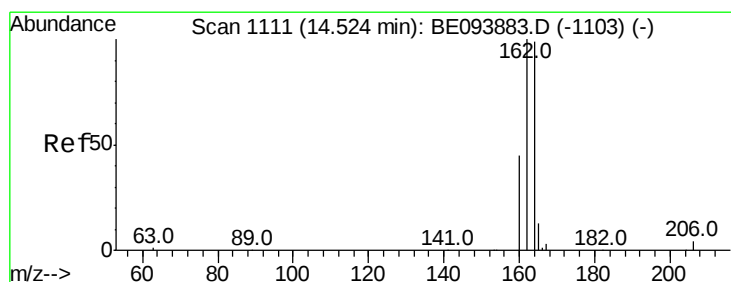
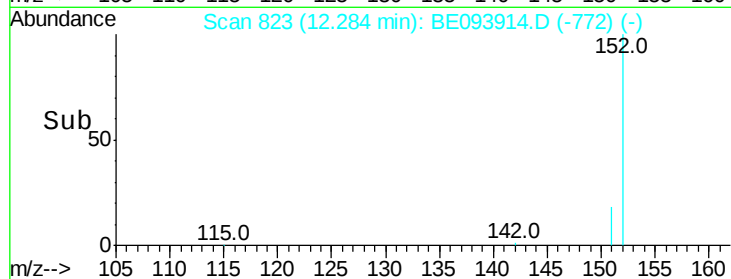
3000

2000

1000

0

Time--> 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

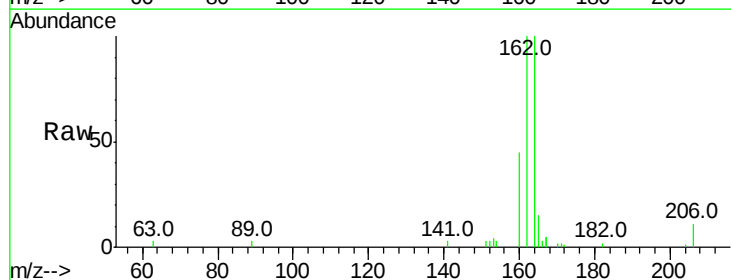
Tgt Ion:164 Resp: 6539

Ion Ratio Lower Upper

164 100

162 100.4 80.8 121.2

160 45.4 37.0 55.4



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

14.52

4000

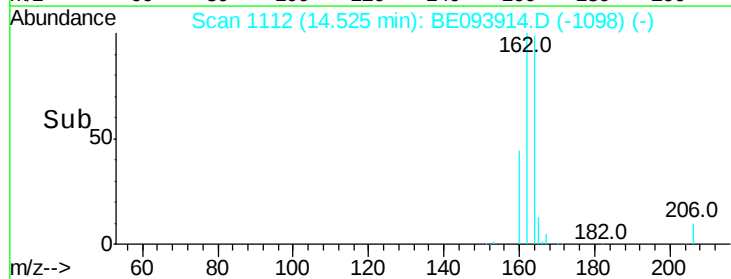
3000

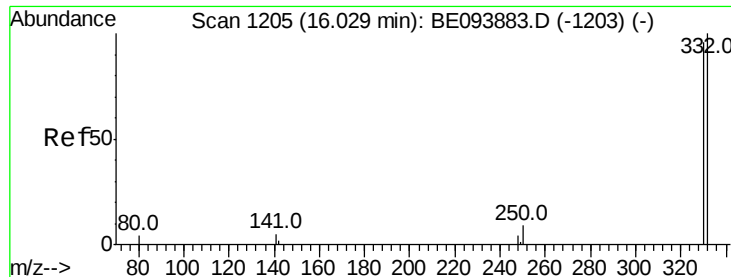
2000

1000

0

Time--> 14.40 14.50 14.60

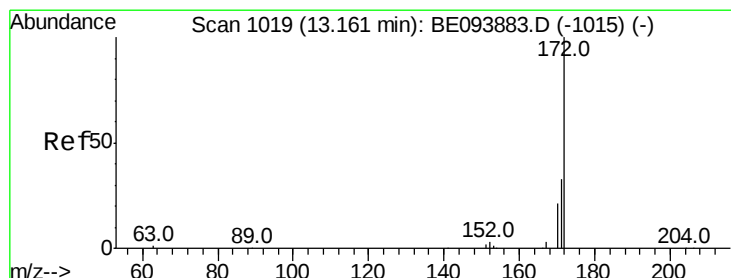
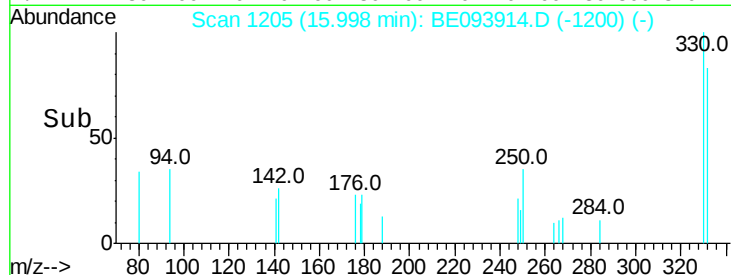
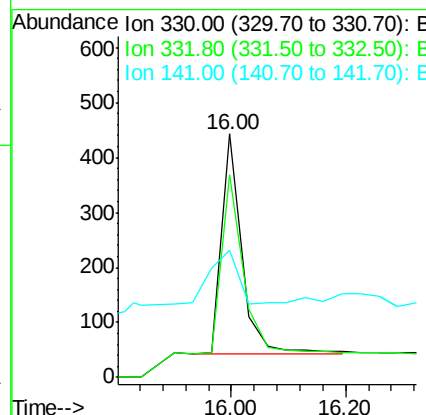
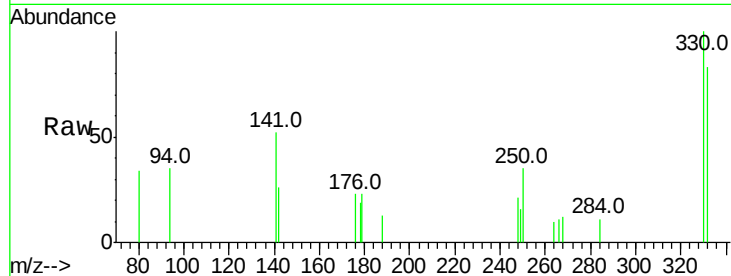




#14
 2,4,6-Tribromophenol
 Concen: 0.556 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BE093914.D
 Acq: 1 Sep 2017 22:31

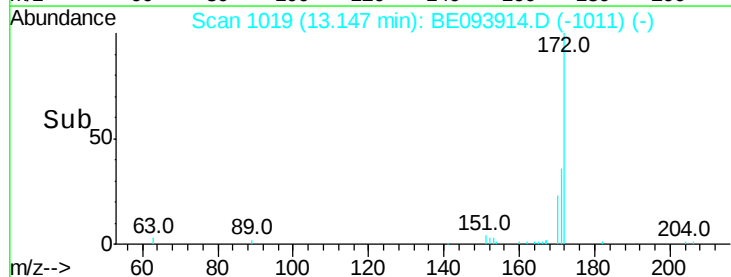
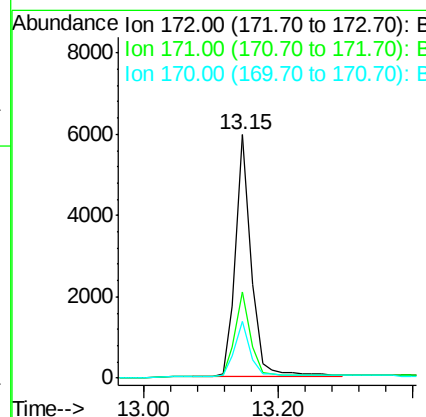
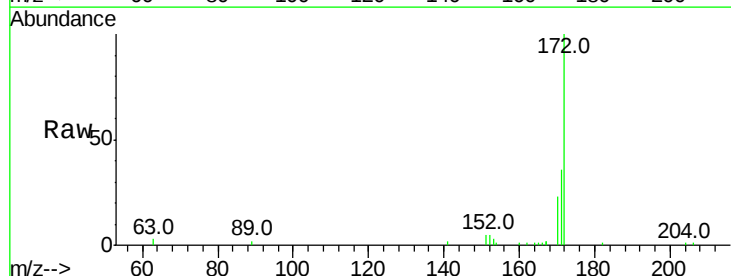
Instrument :
 BNA_E
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 3834-CC5

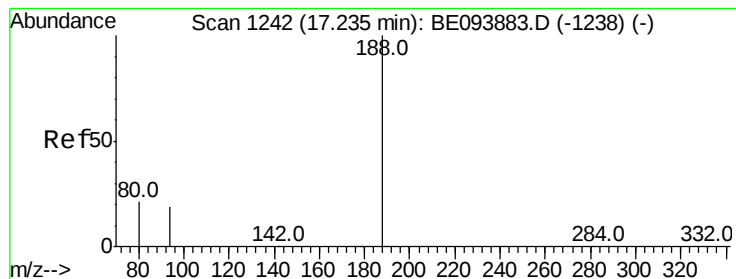
Tot Ion:330 Resp: 974
 Ion Ratio Lower Upper
 330 100
 332 86.8 76.9 115.3
 141 33.4 0.0 0.0#



#15
 2-Fluorobiphenyl
 Concen: 0.370 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BE093914.D
 Acq: 1 Sep 2017 22:31

Tgt Ion:172 Resp: 9640
 Ion Ratio Lower Upper
 172 100
 171 35.6 26.9 40.3
 170 23.2 17.3 25.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampleId :

3834-CC5

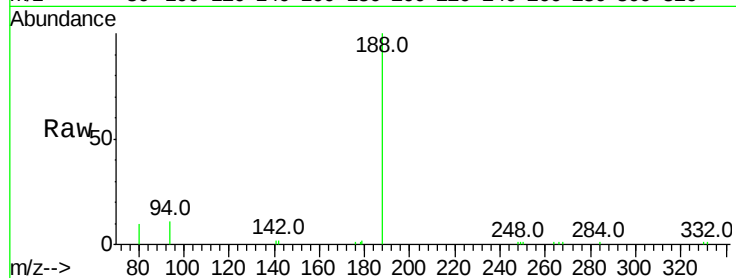
Tot Ion:188 Resp: 17739

Ion Ratio Lower Upper

188 100

94 11.1 16.1 24.1#

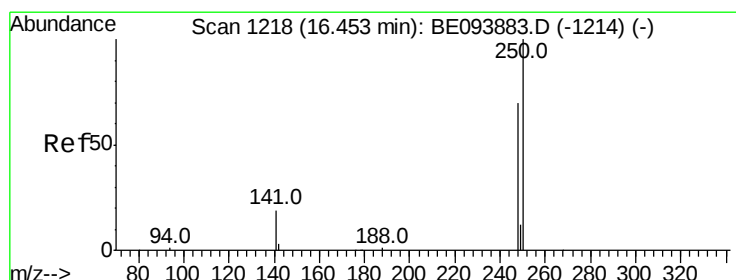
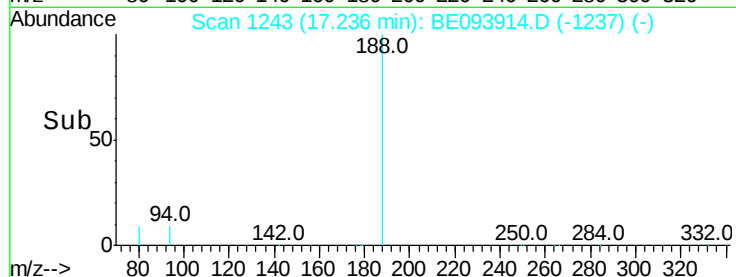
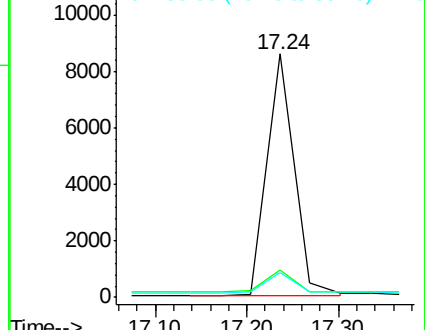
80 10.4 18.2 27.2#



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



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

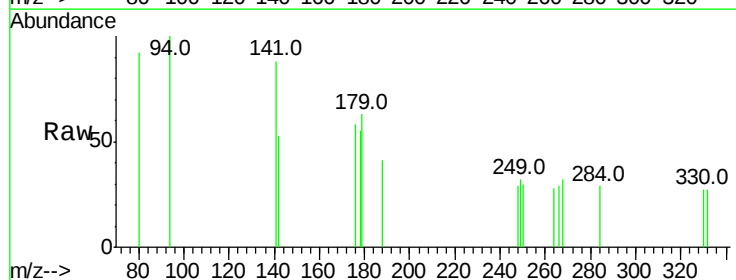
Tgt Ion:248 Resp: 2

Ion Ratio Lower Upper

248 100

250 104.2 111.8 167.8#

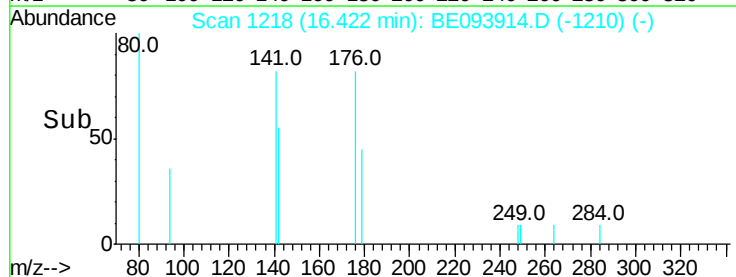
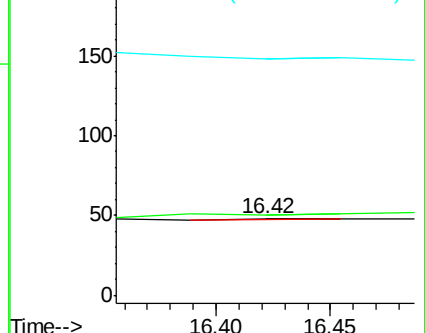
141 308.3 27.1 40.7#

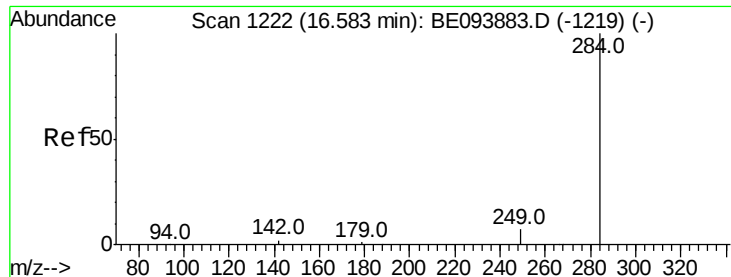


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

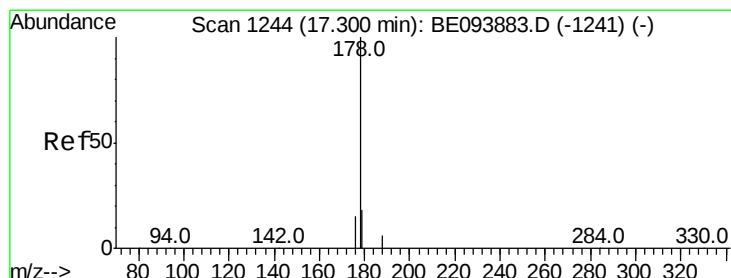
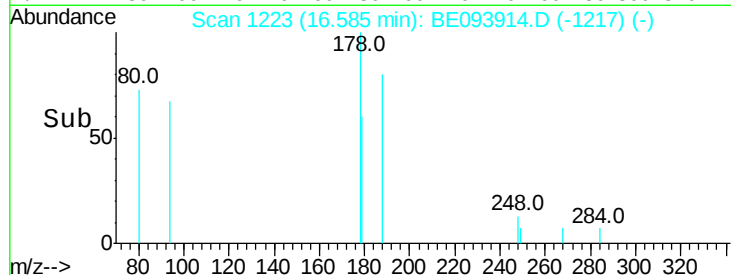
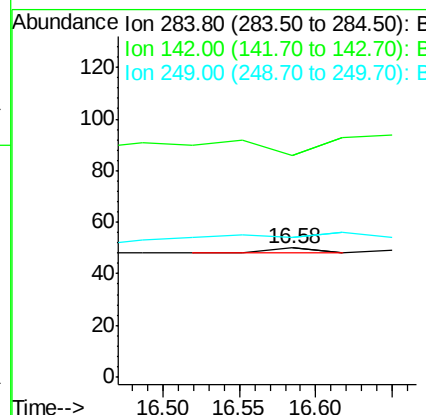
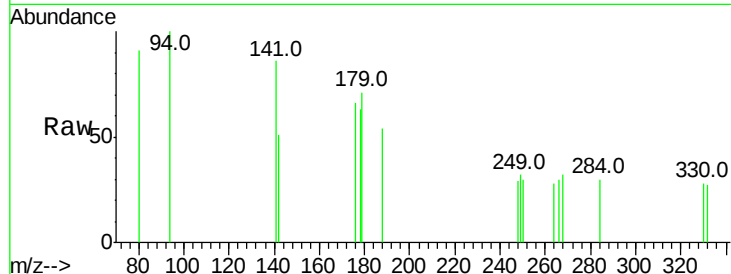




#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE093914.D
Acq: 1 Sep 2017 22:31

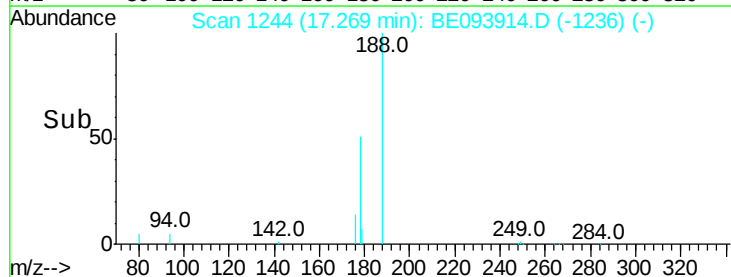
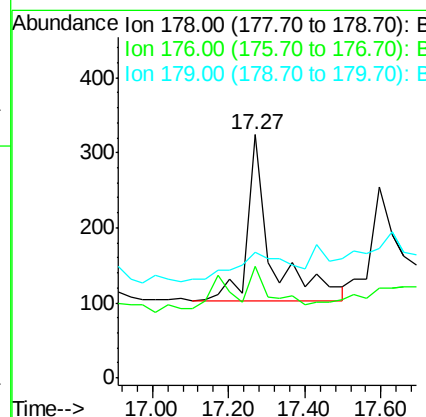
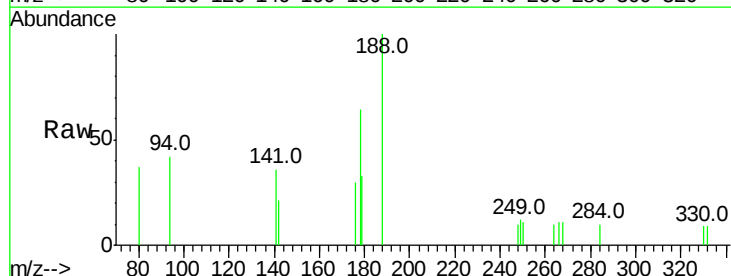
Instrument :
BNA_E
ClientSampleId :
3834-CC5

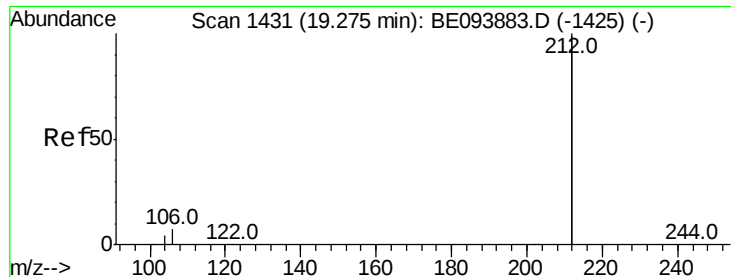
Tot Ion:284	Resp: 4
Ion Ratio	Lower Upper
284 100	
142 0.0	0.0 0.0
249 0.0	0.0 0.0



#23
Phenanthrene
Concen: 0.021 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BE093914.D
Acq: 1 Sep 2017 22:31

Tgt	Ion:178	Resp:	947
Ion	Ratio	Lower	Upper
178	100		
176	16.7	0.0	0.0#
179	39.3	12.6	18.8#

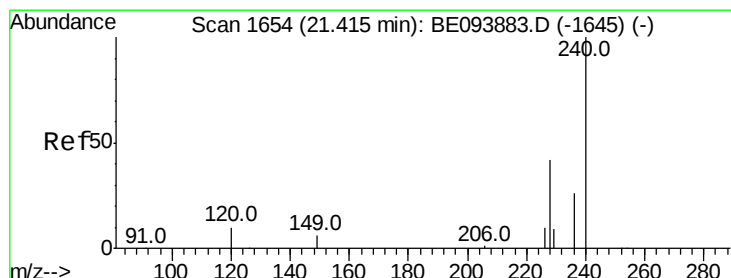
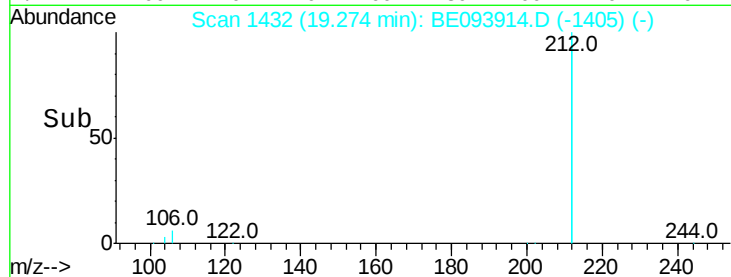
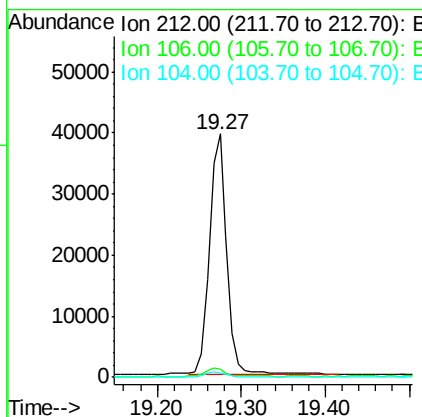
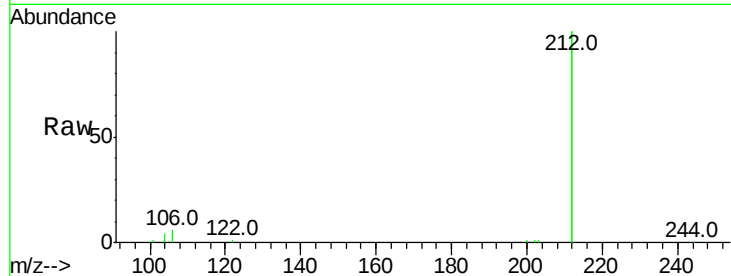




#25
 Fluoranthene-d10
 Concen: 0.275 ng
 RT: 19.27 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BE093914.D
 Acq: 1 Sep 2017 22:31

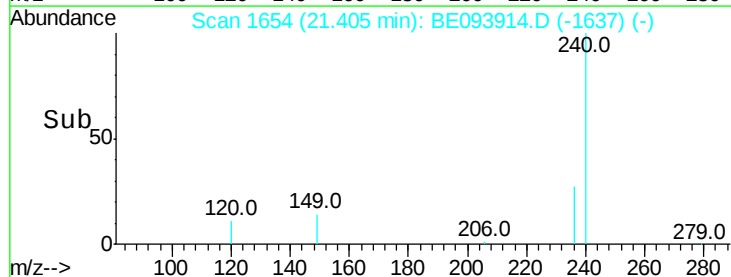
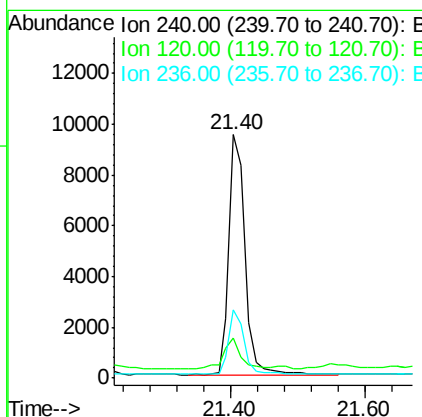
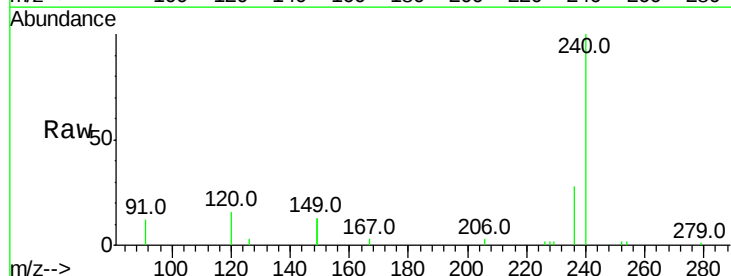
Instrument :
 BNA_E
 ClientSampleId :
 3834-CC5

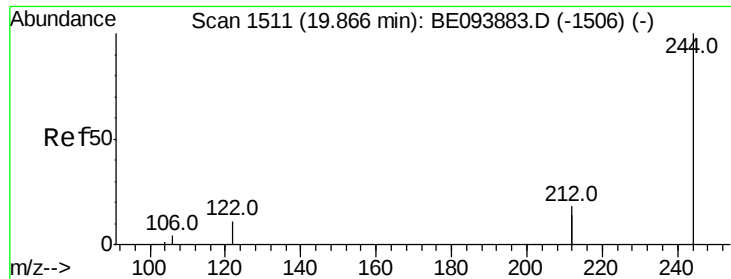
Tot Ion:212 Resp: 56299
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.7 4.1
 104 2.0 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093914.D
 Acq: 1 Sep 2017 22:31

Tgt Ion:240 Resp: 15683
 Ion Ratio Lower Upper
 240 100
 120 16.4 8.7 13.1#
 236 28.0 21.3 31.9





#29

Terphenyl-d14

Concen: 0.606 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampleId :

3834-CC5

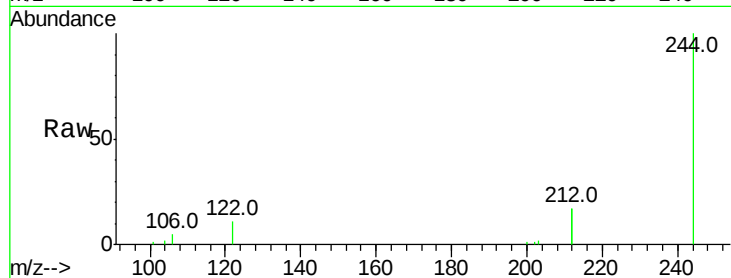
Tot Ion:244 Resp: 17210

Ion Ratio Lower Upper

244 100

212 34.4 28.3 42.5

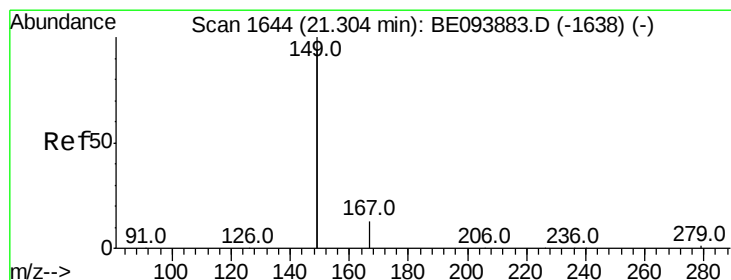
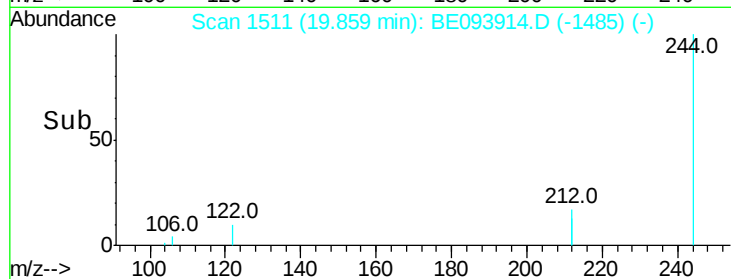
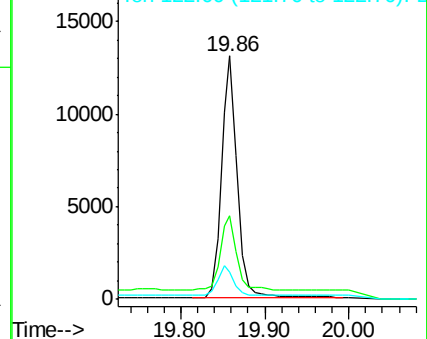
122 11.4 9.4 14.0



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: 2.045 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

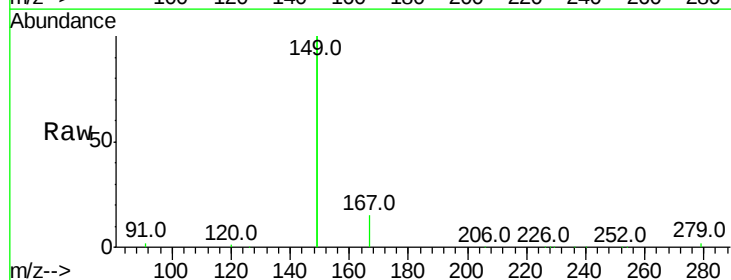
Tgt Ion:149 Resp: 200808

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

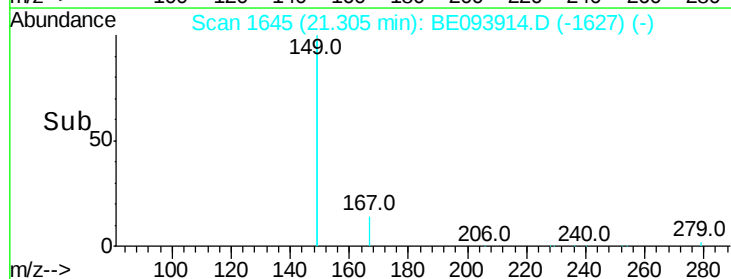
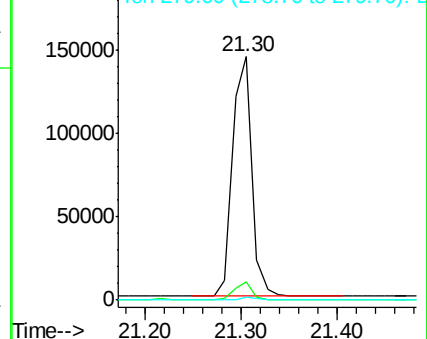
279 0.9 0.7 1.1

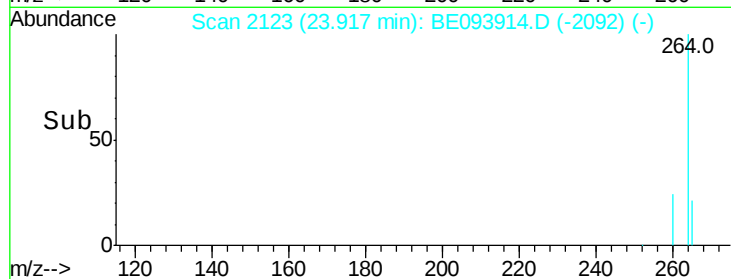
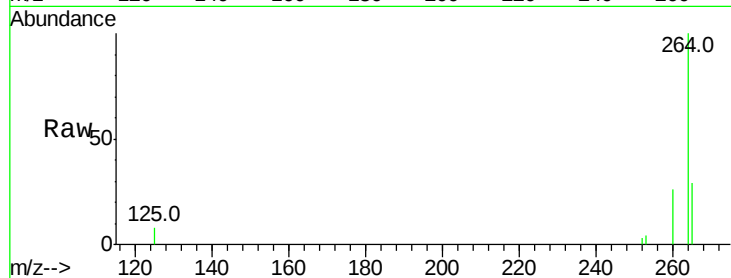
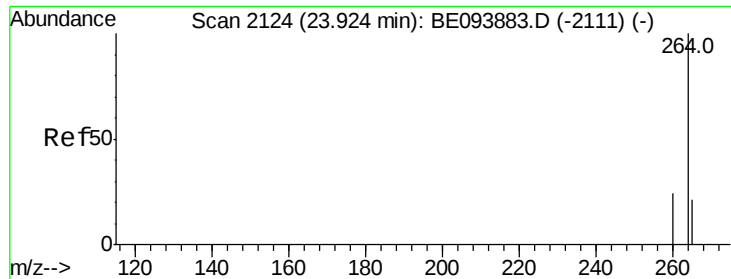


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.92 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE093914.D

Acq: 1 Sep 2017 22:31

Instrument :

BNA_E

ClientSampleId :

3834-CC5

Tot Ion:264 Resp: 13856

Ion Ratio Lower Upper

264 100

260 25.6 20.0 30.0

265 29.1 24.0 36.0

