

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE071417\
 Data File : BE093473.D
 Acq On : 14 Jul 2017 17:22
 Operator : SJ/JU
 Sample : I4153-07MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EFFLUENT-20170710MS

Quant Time: Jul 17 01:28:12 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	4450	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	21117	0.40	ng	0.00
13) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.54
19) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.27
27) Chrysene-d12	0.00	240	0	0.00	ng	-21.43
34) Perylene-d12	0.00	264	0	0.00	ng	-23.94

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	2211	0.16	ng	0.00
5) Phenol-d6	7.10	99	2088	0.11	ng	0.00
8) Nitrobenzene-d5	9.08	82	5437	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	11994	0.36	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
25) Fluoranthene-d10	0.00	212	0	0.00	ng	
29) Terphenyl-d14	0.00	244	0	0.00	ng	

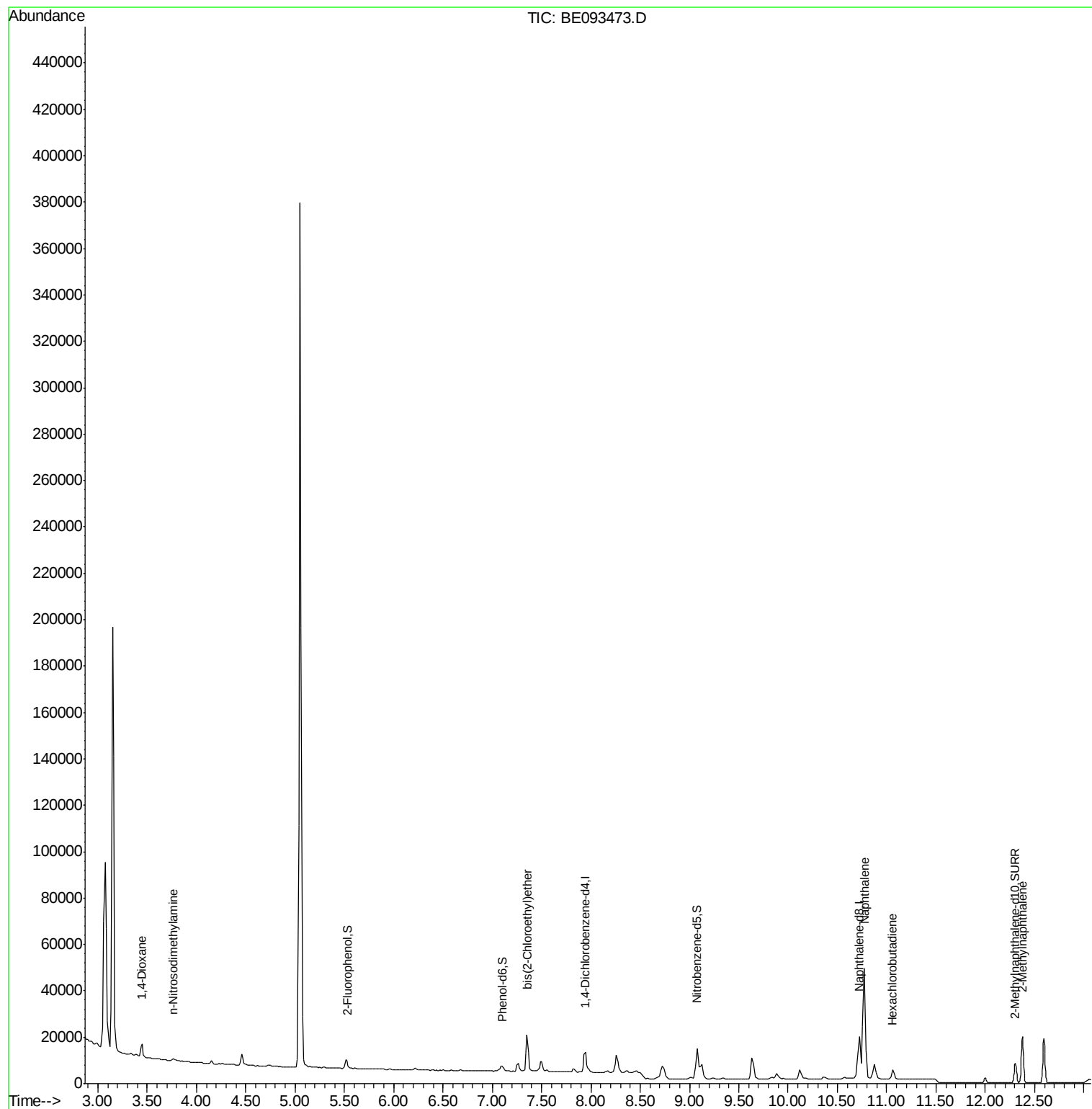
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	4254	0.452	ng	# 71
3) n-Nitrosodimethylamine	3.76	42	963	0.265	ng	# 86
6) bis(2-Chloroethyl)ether	7.35	93	5310	0.356	ng	# 96
9) Naphthalene	10.77	128	77889	0.352	ng	# 73
10) Hexachlorobutadiene	11.06	225	2772	0.330	ng	99
12) 2-Methylnaphthalene	12.38	142	14065	0.379	ng	96

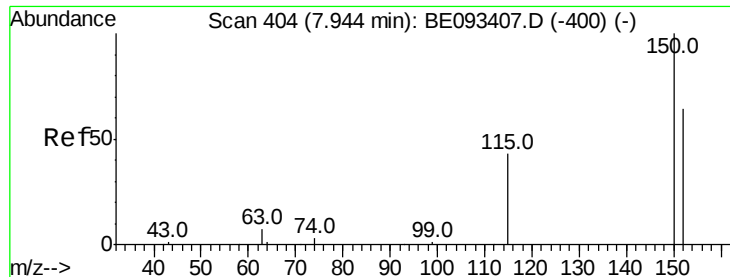
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.94 min Scan# 404

Delta R.T. -0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

Instrument :

BNA_E

ClientSampleId :

EFFLUENT-20170710MS

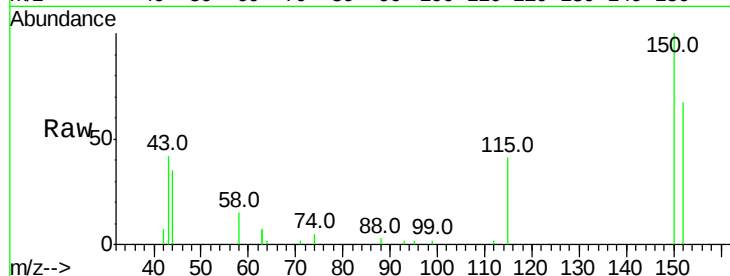
Tot Ion:152 Resp: 4450

Ion Ratio Lower Upper

152 100

150 149.8 125.1 187.7

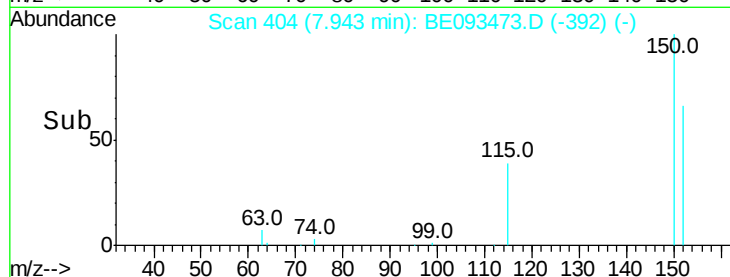
115 61.3 55.7 83.5



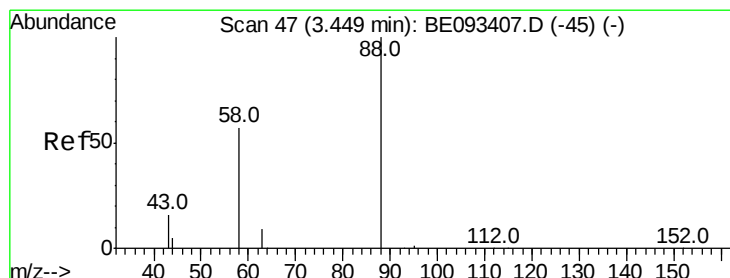
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.452 ng

RT: 3.45 min Scan# 47

Delta R.T. -0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

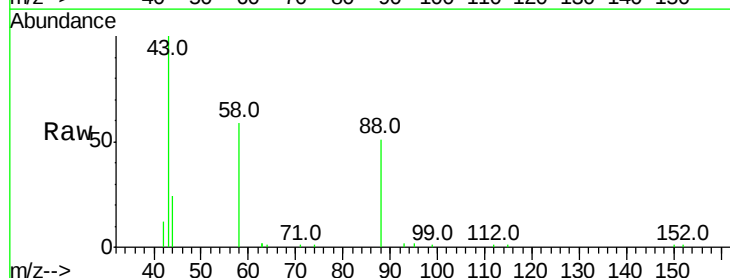
Tgt Ion: 88 Resp: 4254

Ion Ratio Lower Upper

88 100

58 87.2 62.2 93.4

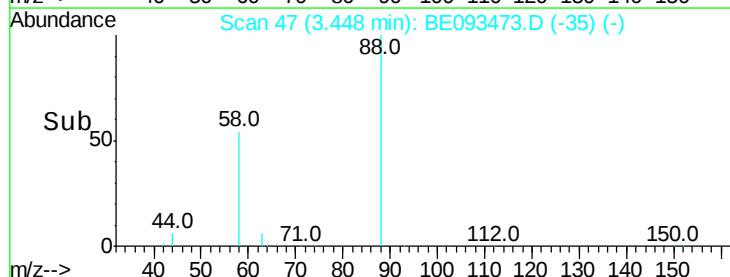
43 69.5 23.2 34.8#



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



Time-->



#3

n-Nitrosodimethylamine

Concen: 0.265 ng

RT: 3.76 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

Instrument :

BNA_E

ClientSampleId :

EFFLUENT-20170710MS

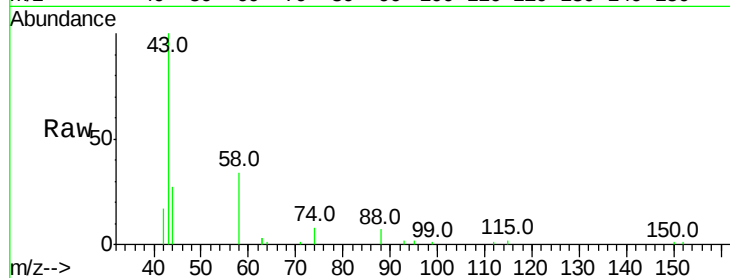
Tot Ion: 42 Resp: 963

Ion Ratio Lower Upper

42 100

74 107.5 99.1 148.7

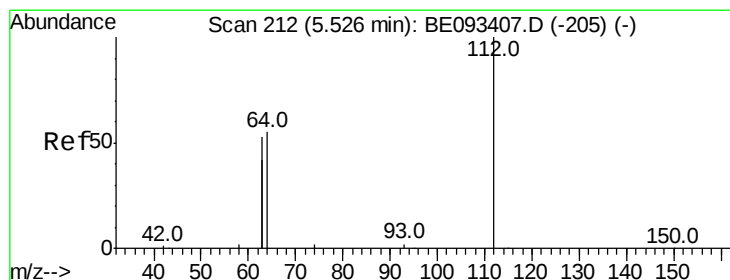
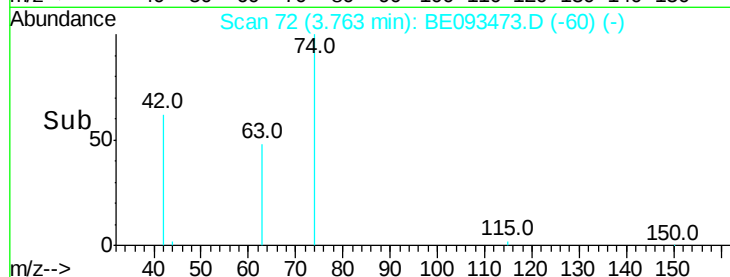
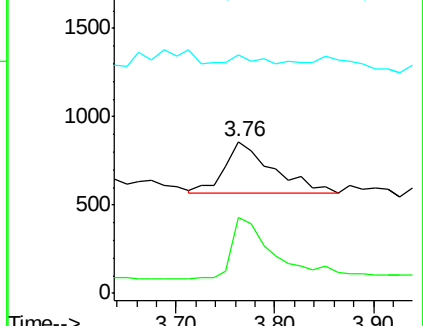
44 6.3 7.4 11.2#



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: 0.165 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

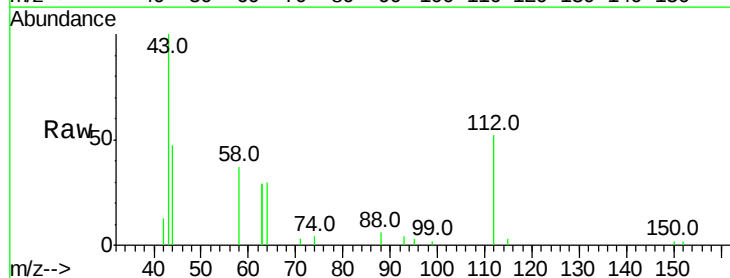
Tgt Ion: 112 Resp: 2211

Ion Ratio Lower Upper

112 100

64 72.3 56.4 84.6

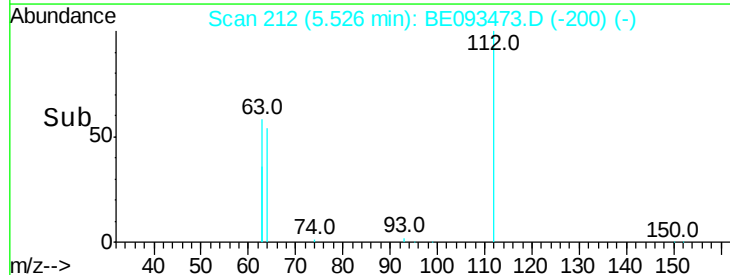
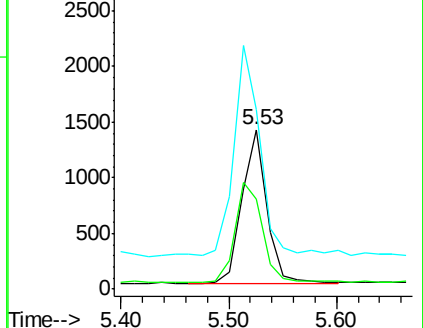
63 150.5 29.3 43.9#

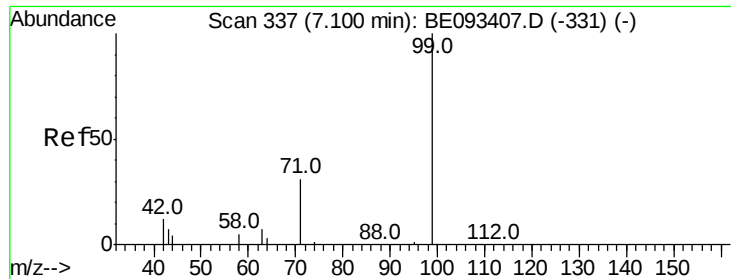


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.105 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

Instrument :

BNA_E

ClientSampleId :

EFFLUENT-20170710MS

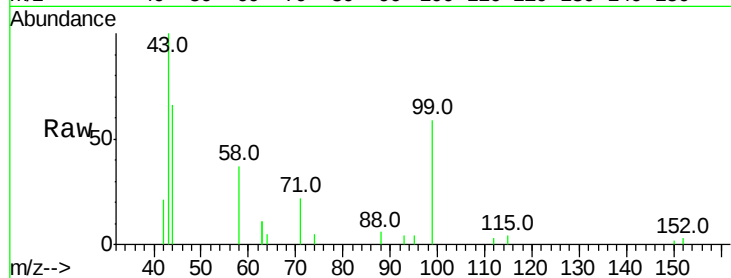
Tot Ion: 99 Resp: 2088

Ion Ratio Lower Upper

99 100

42 26.6 0.0 0.0#

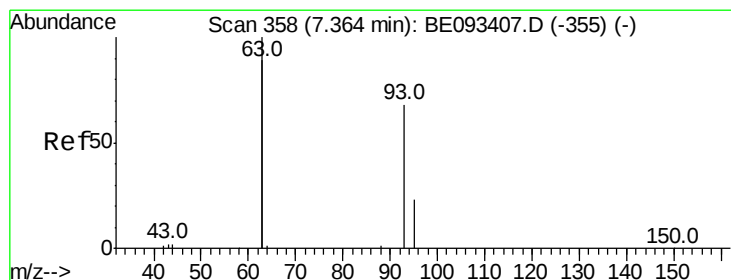
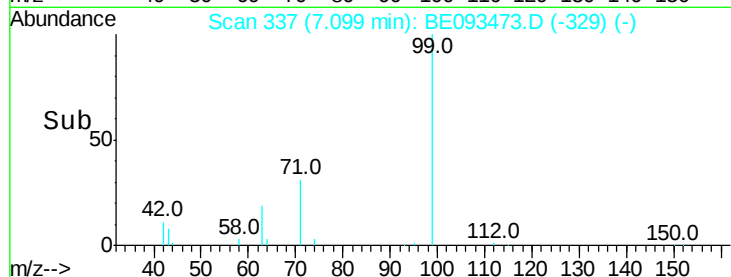
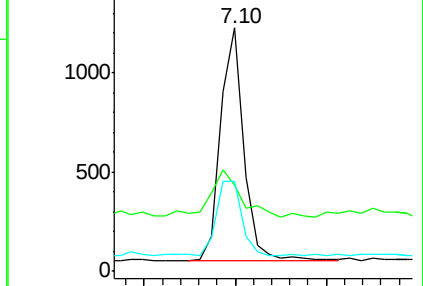
71 34.7 0.0 0.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.356 ng

RT: 7.35 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

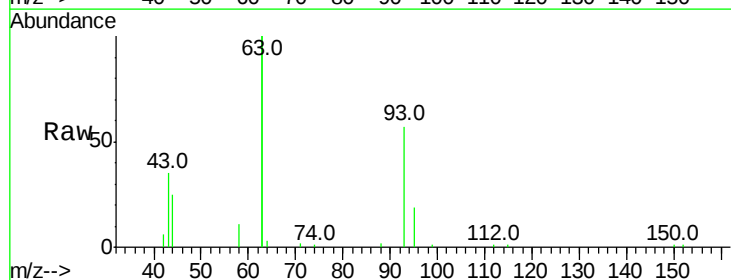
Tgt Ion: 93 Resp: 5310

Ion Ratio Lower Upper

93 100

63 350.6 0.0 0.0#

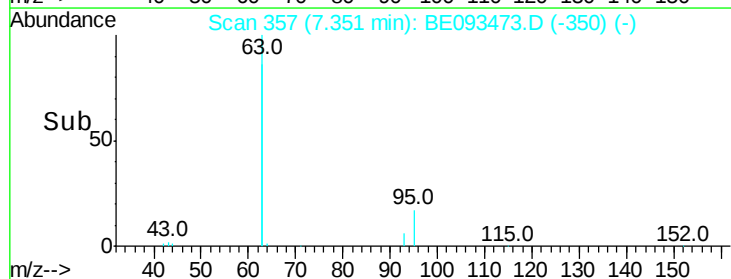
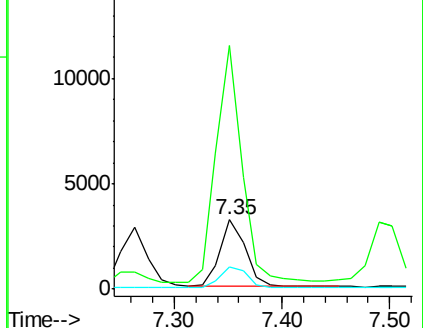
95 33.7 25.4 38.0

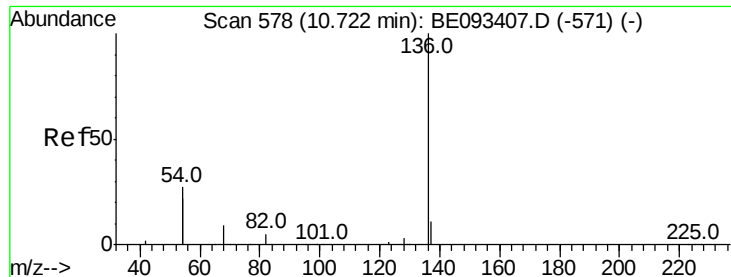


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

Instrument :

BNA_E

ClientSampleId :

EFFLUENT-20170710MS

Tot Ion:136 Resp: 21117

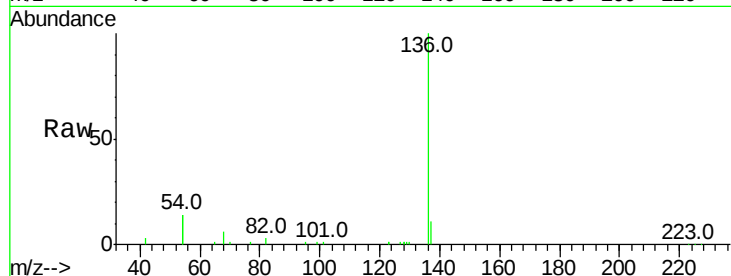
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 28.8 10.3 15.5#

68 6.1 9.0 13.4#

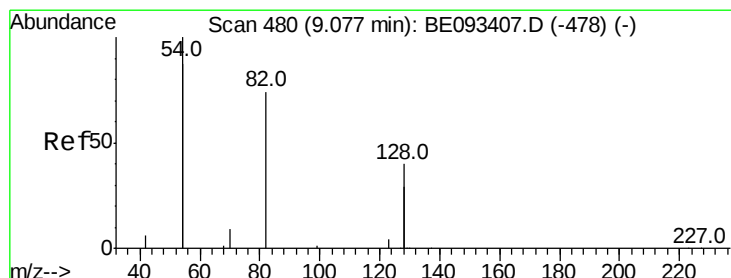
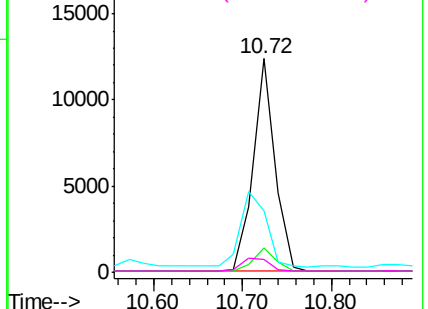
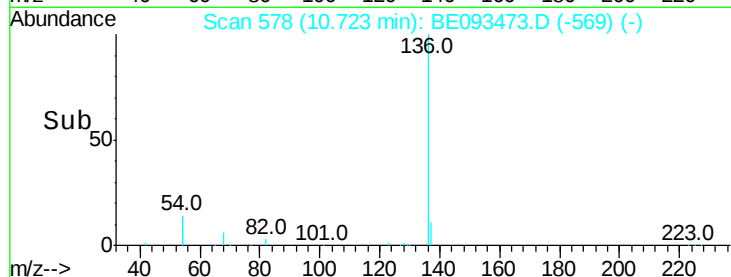


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.403 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

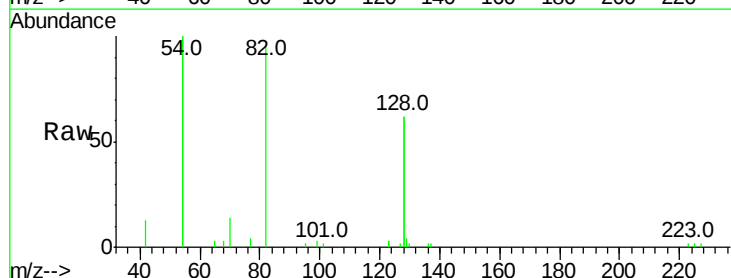
Tgt Ion: 82 Resp: 5437

Ion Ratio Lower Upper

82 100

128 128.3 17.0 25.4#

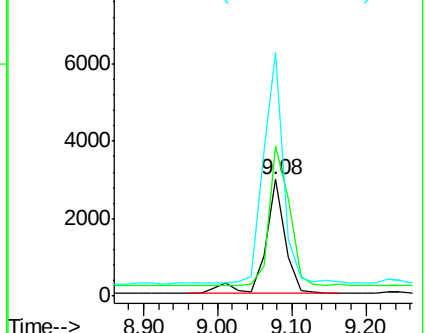
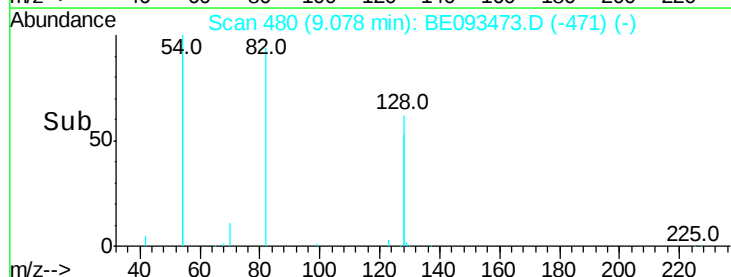
54 208.5 53.8 80.6#

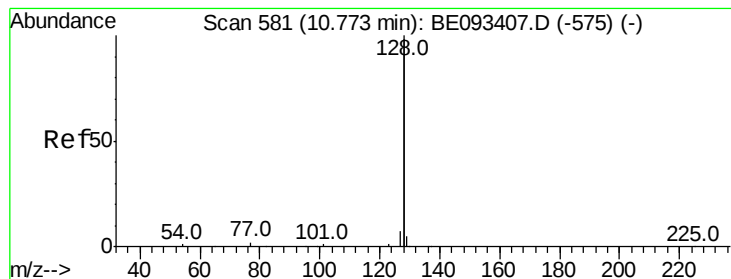


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.352 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

Instrument :

BNA_E

ClientSampleId :

EFFLUENT-20170710MS

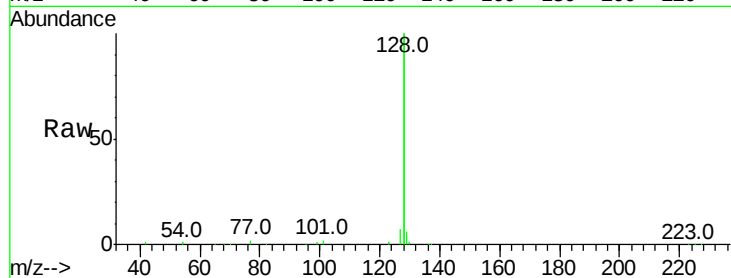
Tot Ion:128 Resp: 77889

Ion Ratio Lower Upper

128 100

129 2.9 11.4 17.0#

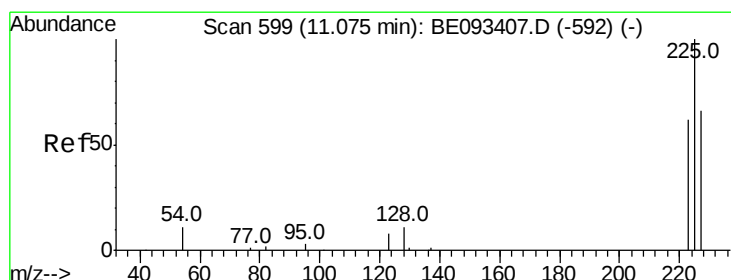
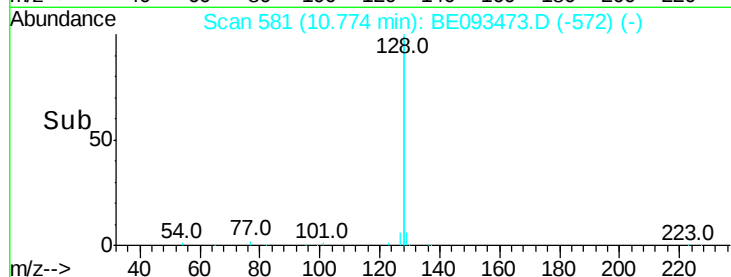
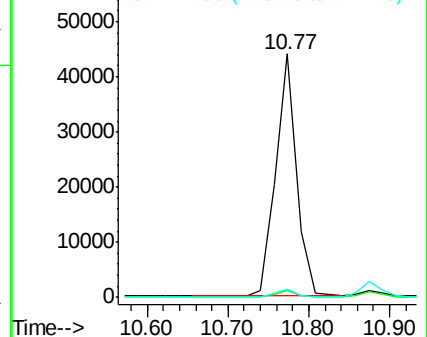
127 3.3 11.2 16.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.330 ng

RT: 11.06 min Scan# 598

Delta R.T. -0.02 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

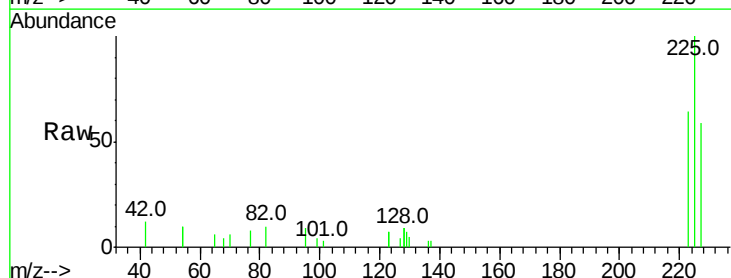
Tgt Ion:225 Resp: 2772

Ion Ratio Lower Upper

225 100

223 61.9 49.7 74.5

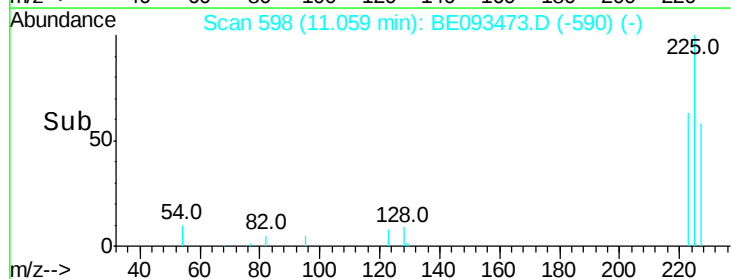
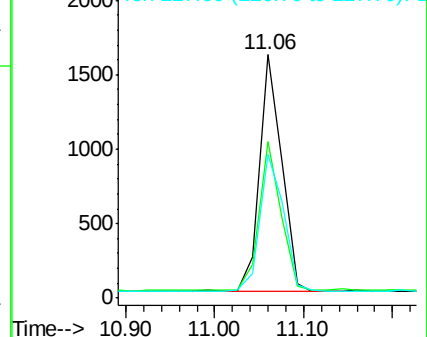
227 61.0 50.3 75.5

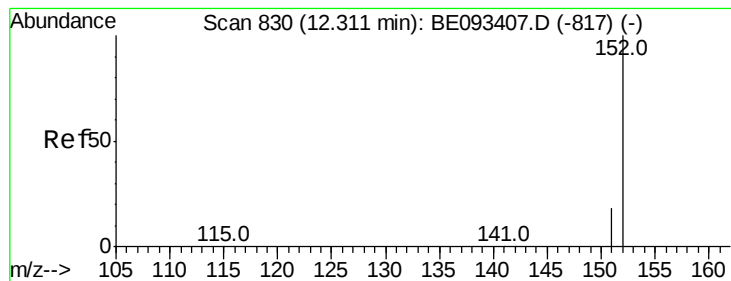


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.356 ng

RT: 12.30 min Scan# 828

Delta R.T. -0.01 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

Instrument :

BNA_E

ClientSampleId :

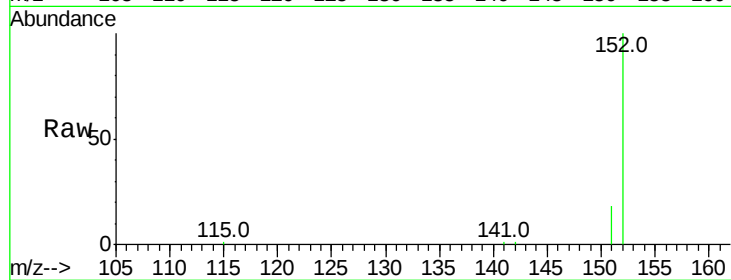
EFFLUENT-20170710MS

Tot Ion:152 Resp: 11994

Ion Ratio Lower Upper

152 100

151 18.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

8000

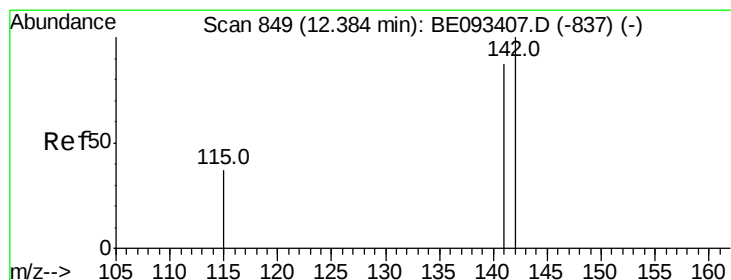
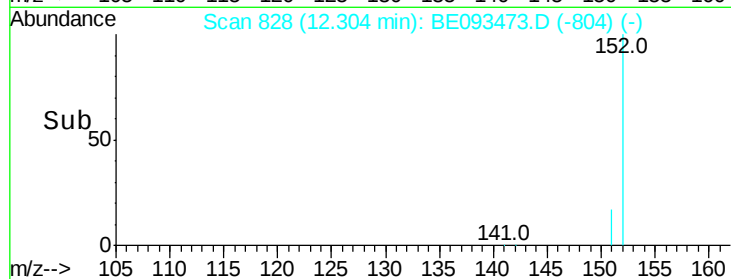
6000

4000

2000

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.379 ng

RT: 12.38 min Scan# 847

Delta R.T. -0.01 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

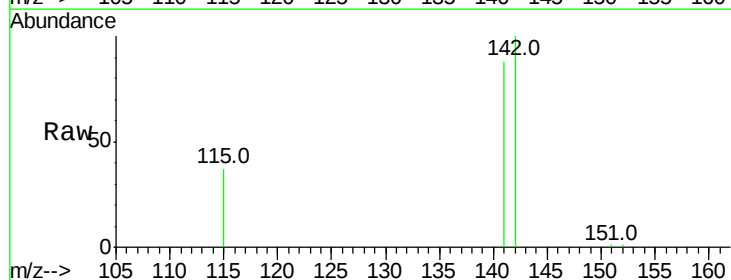
Tgt Ion:142 Resp: 14065

Ion Ratio Lower Upper

142 100

141 87.6 72.6 108.8

115 36.7 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.38

12000

10000

8000

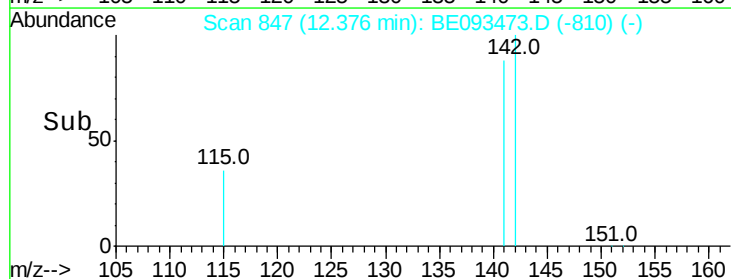
6000

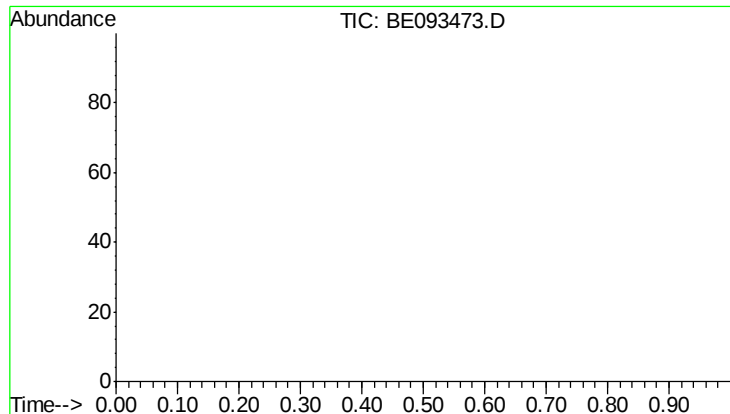
4000

2000

0

Time--> 12.30 12.40

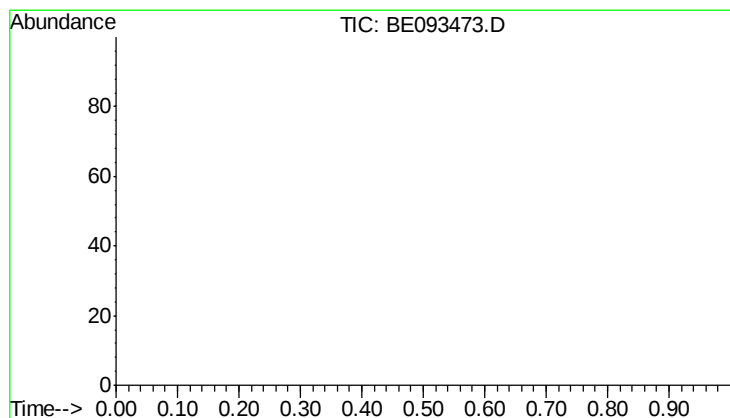
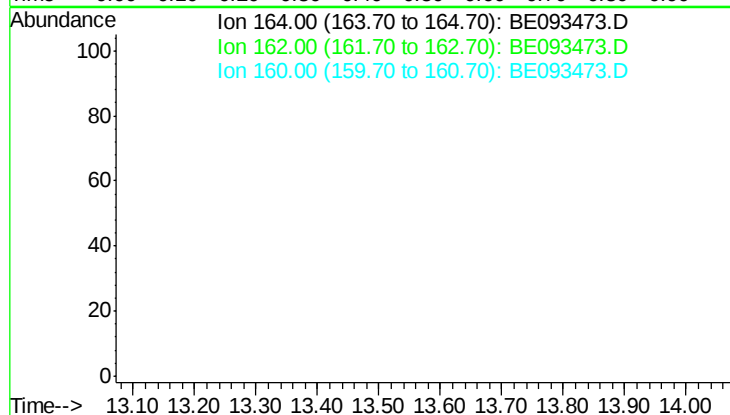




#13
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.54 min
 Lab File: BE093473.D
 Acq: 14 Jul 2017 17:22

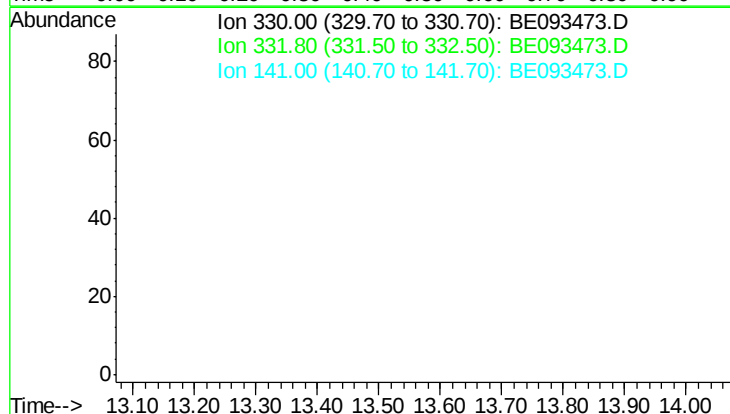
Instrument :
 BNA_E
 ClientSampleId :
 EFFLUENT-20170710MS

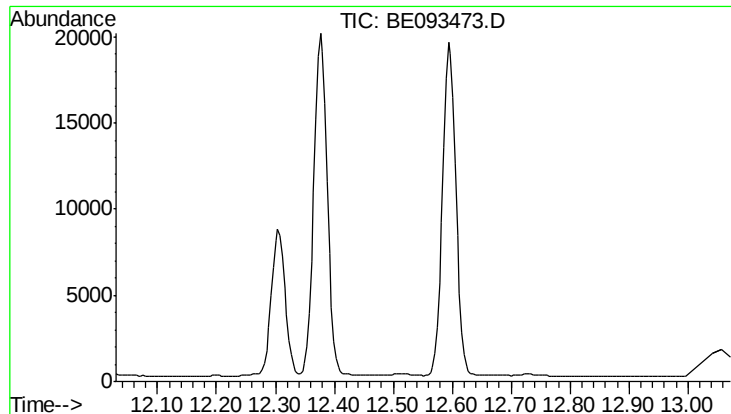
Tot Ion: 164
 Sig Exp Ratio
 164 100
 162 105.8
 160 52.2



#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.03 min
 Lab File: BE093473.D
 Acq: 14 Jul 2017 17:22

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 97.1
 141 70.3

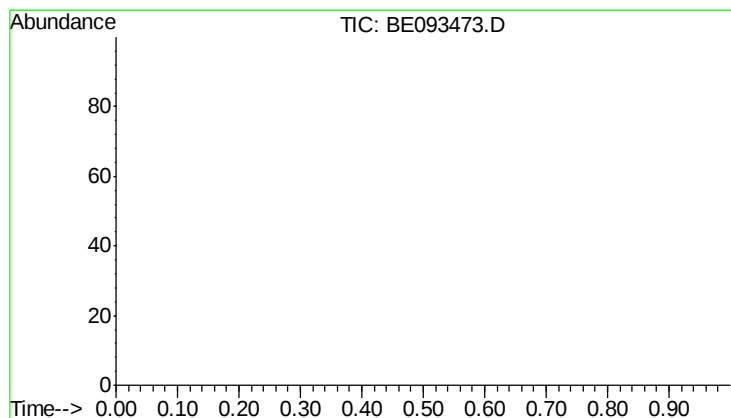
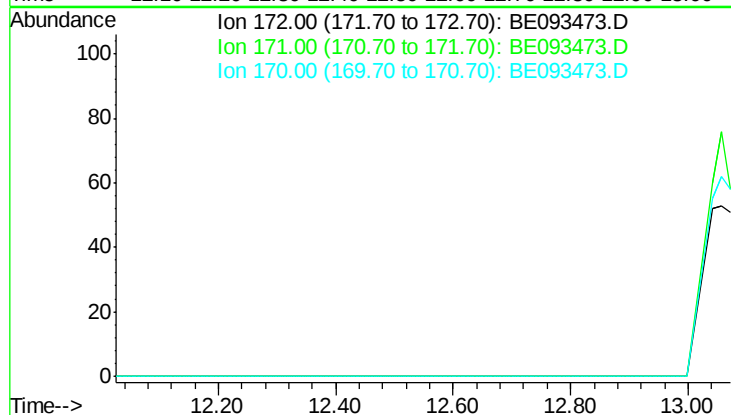




#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.18 min
 Lab File: BE093473.D
 Acq: 14 Jul 2017 17:22

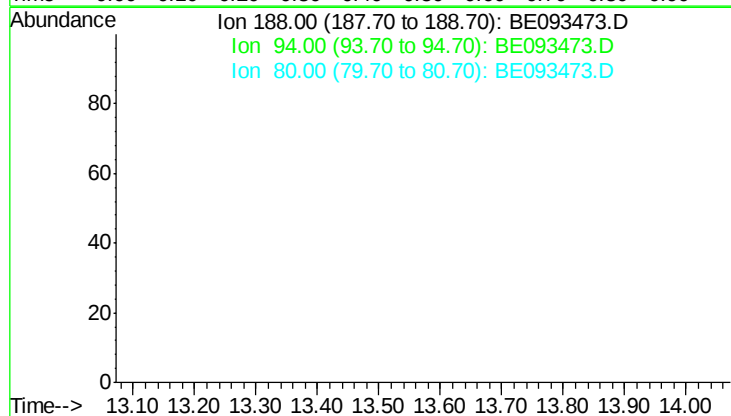
Instrument :
 BNA_E
 ClientSampleId :
 EFFLUENT-20170710MS

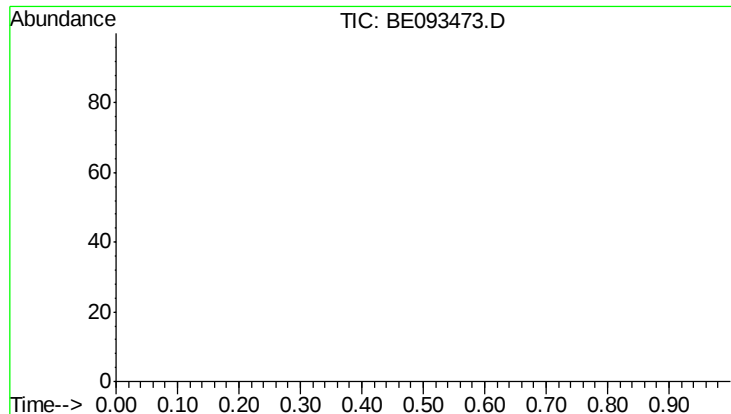
Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 37.2
 170 25.9



#19
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.27 min
 Lab File: BE093473.D
 Acq: 14 Jul 2017 17:22

Tgt Ion: 188
 Sig Exp Ratio
 188 100
 94 14.1
 80 14.6





#25

Fluoranthene-d10

Concen: 0.000 ng

Expected RT: 19.29 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

Instrument :

BNA_E

ClientSampleId :

EFFLUENT-20170710MS

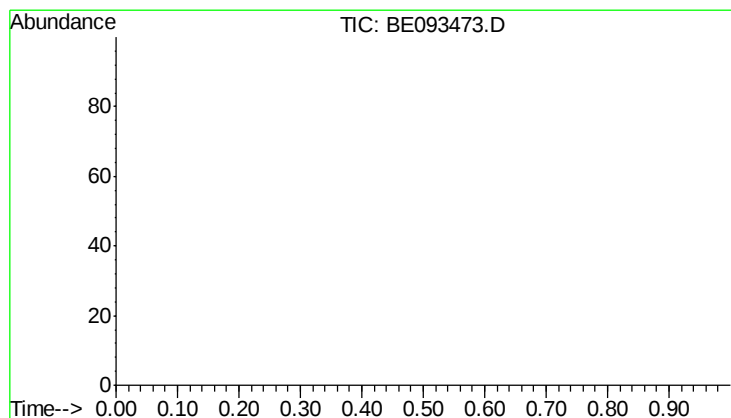
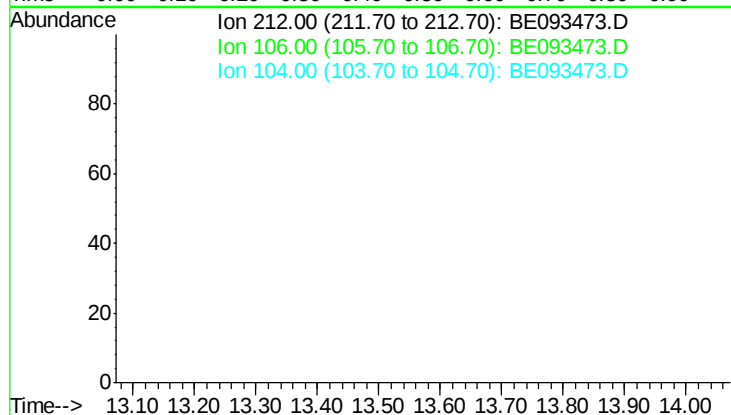
Tot Ion: 212

Sig Exp Ratio

212 100

106 3.0

104 2.0



#27

Chrysene-d12

Concen: 0.000 ng

Expected RT: 21.43 min

Lab File: BE093473.D

Acq: 14 Jul 2017 17:22

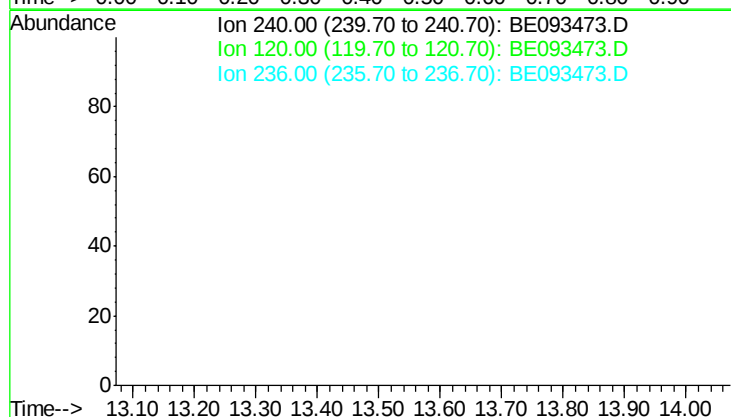
Tgt Ion: 240

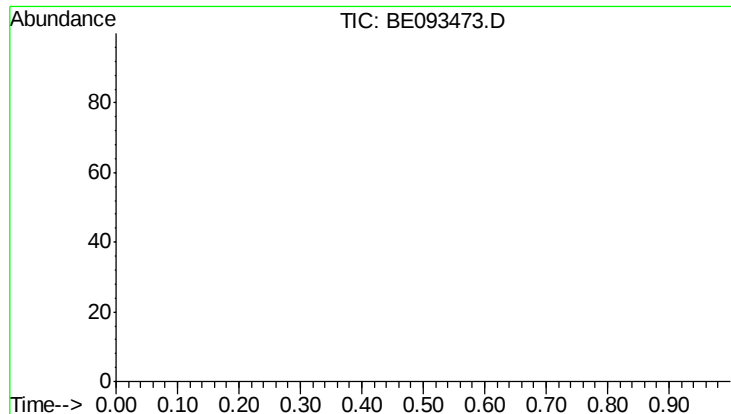
Sig Exp Ratio

240 100

120 5.8

236 26.0

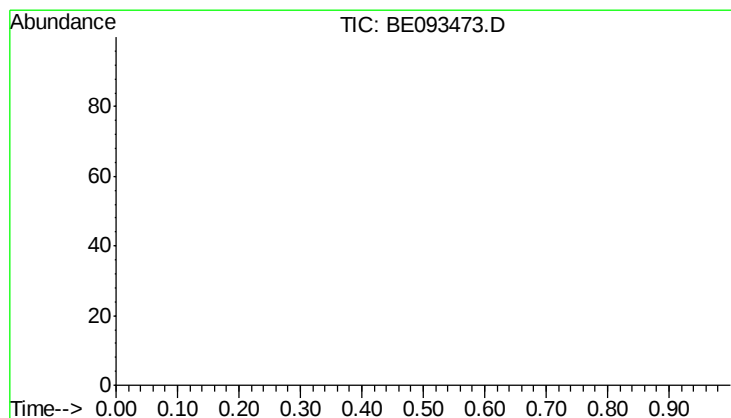
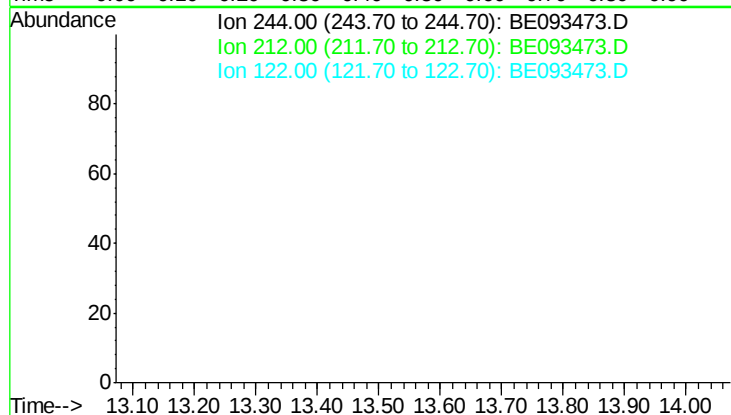




#29
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 19.88 min
 Lab File: BE093473.D
 Acq: 14 Jul 2017 17:22

Instrument :
 BNA_E
 ClientSampleId :
 EFFLUENT-20170710MS

Tot Ion: 244
 Sig Exp Ratio
 244 100
 212 13.3
 122 19.2



#34
 Perylene-d12
 Concen: 0.000 ng
 Expected RT: 23.94 min
 Lab File: BE093473.D
 Acq: 14 Jul 2017 17:22

Tgt Ion: 264
 Sig Exp Ratio
 264 100
 260 26.2
 265 30.7

