

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091117\
 Data File : BE093978.D
 Acq On : 12 Sep 2017 00:33
 Operator : SJ/JU
 Sample : I5116-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170905

Quant Time: Sep 12 07:45:44 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

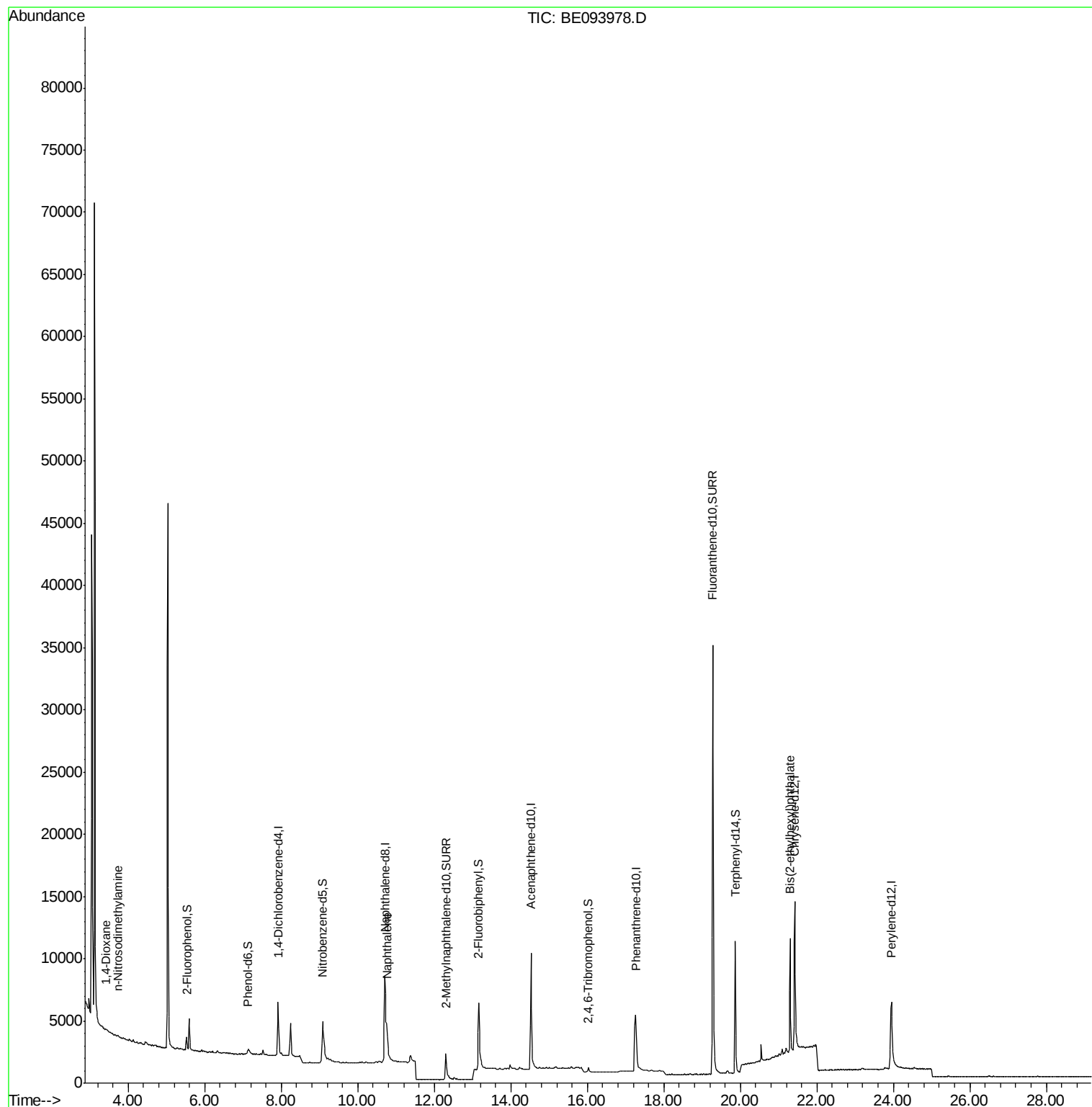
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2363	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11593	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	6971	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	13754	0.40	ng	0.00
27) Chrysene-d12	21.43	240	17141	0.40	ng	0.00
34) Perylene-d12	23.95	264	12872	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	737	0.10	ng	0.00
5) Phenol-d6	7.11	99	582	0.05	ng	0.00
8) Nitrobenzene-d5	9.08	82	2526	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	5212	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	442	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	8079	0.29	ng	0.00
25) Fluoranthene-d10	19.28	212	55915	0.27	ng	0.00
29) Terphenyl-d14	19.87	244	11479	0.36	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.42	88	155	0.048	ng	# 1
3) n-Nitrosodimethylamine	3.73	42	157	0.041	ng	# 1
9) Naphthalene	10.76	128	5203	0.039	ng	# 92
20) 4-Bromophenyl-phenylether	16.45	248	10	Below Cal	#	40
23) Phenanthrene	17.30	178	499	Below Cal	#	74
32) Bis(2-ethylhexyl)phthalate	21.30	149	11770	0.092	ng	# 99

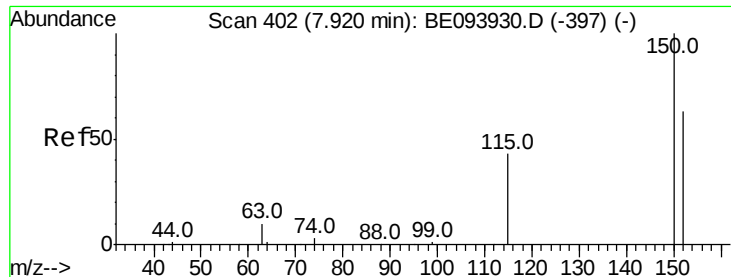
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170905

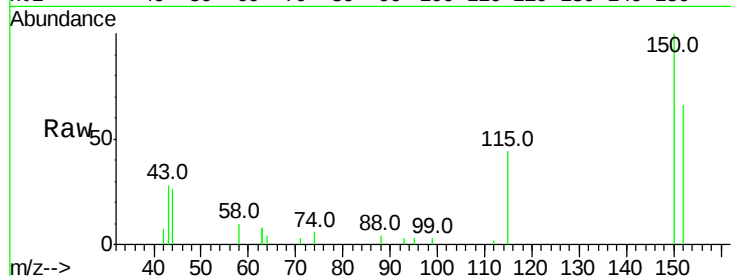
Tot Ion:152 Resp: 2363

Ion Ratio Lower Upper

152 100

150 151.7 121.8 182.6

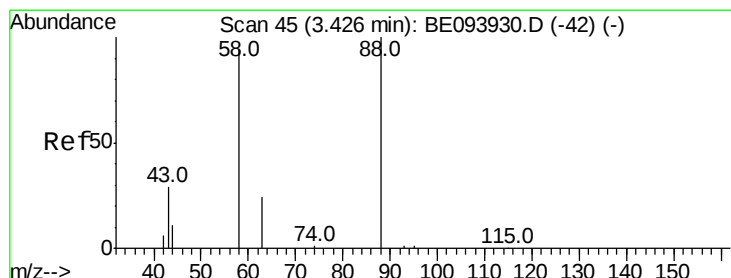
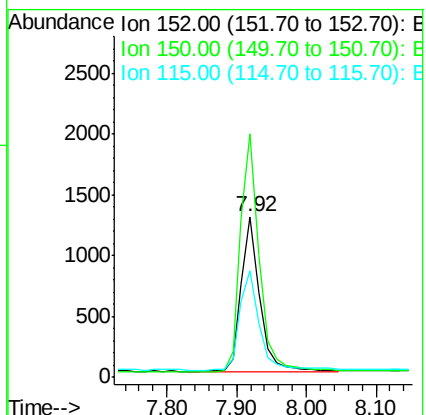
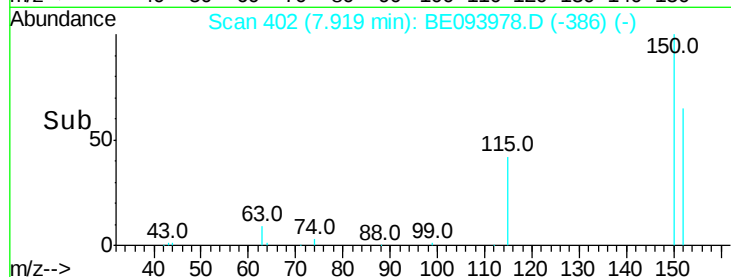
115 66.7 52.6 79.0



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



#2

1,4-Dioxane

Concen: 0.048 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

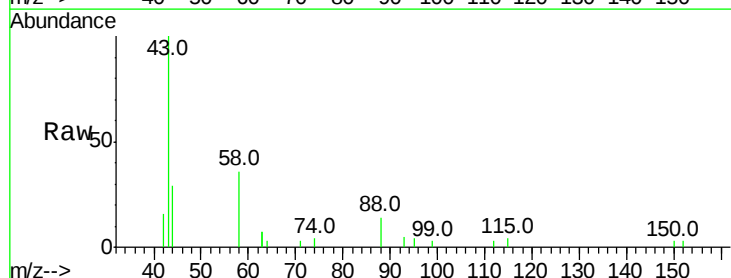
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

58 223.2 65.4 98.0#

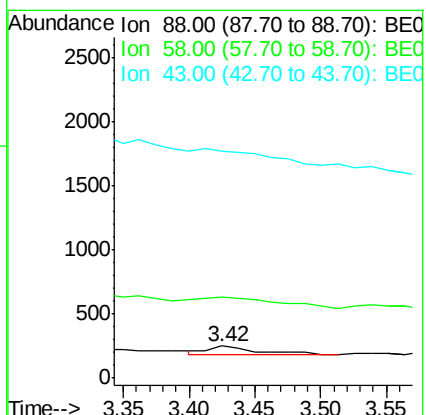
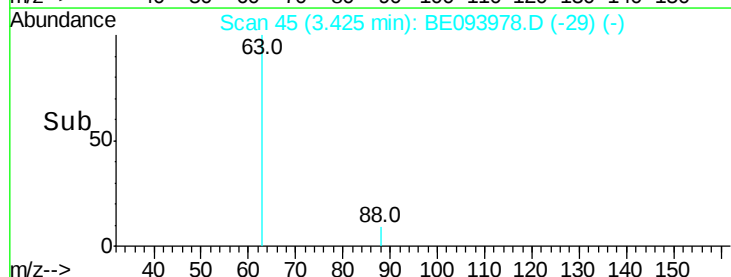
43 0.0 23.9 35.9#

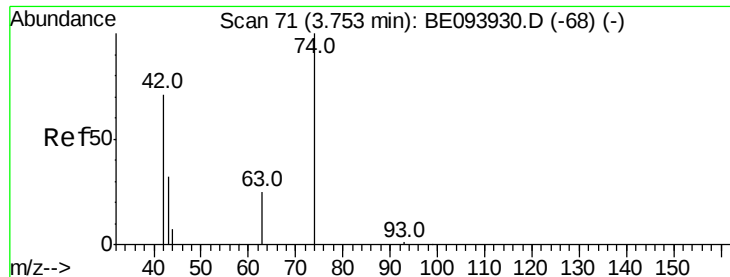


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.041 ng

RT: 3.73 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170905

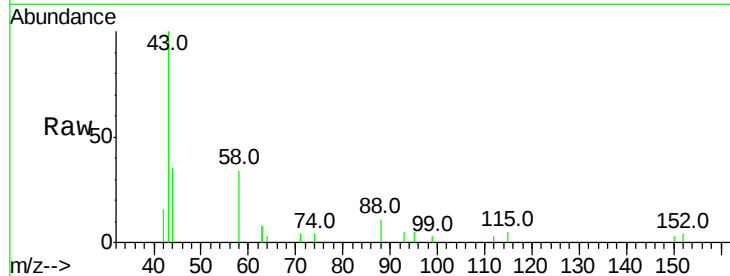
Tot Ion: 42 Resp: 157

Ion Ratio Lower Upper

42 100

74 5.7 104.0 156.0#

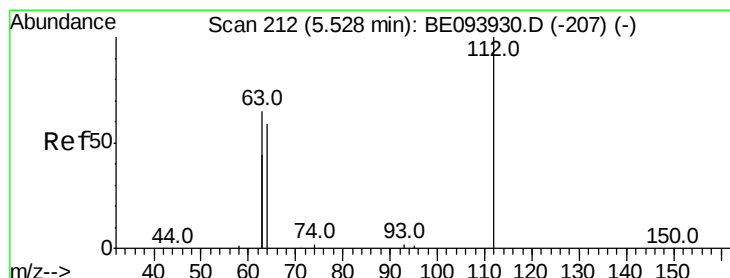
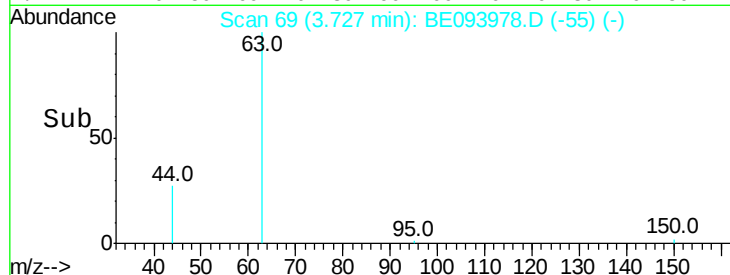
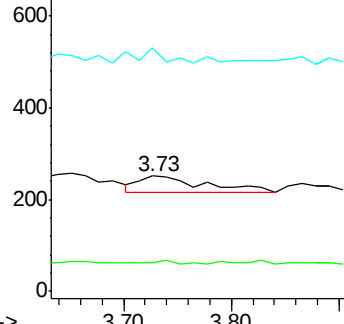
44 38.2 13.8 20.8#



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: 0.096 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

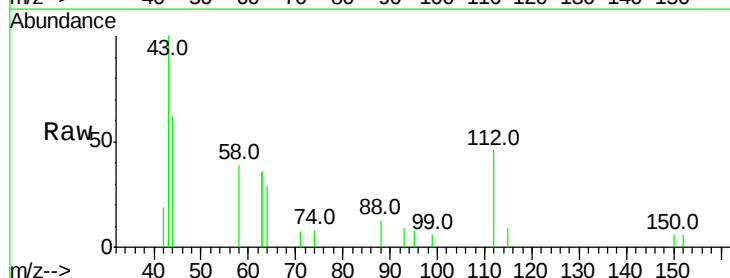
Tgt Ion: 112 Resp: 737

Ion Ratio Lower Upper

112 100

64 75.2 57.7 86.5

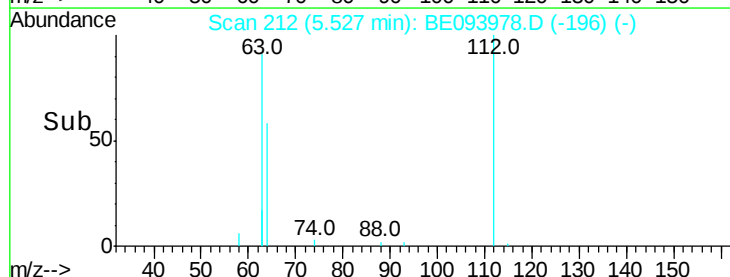
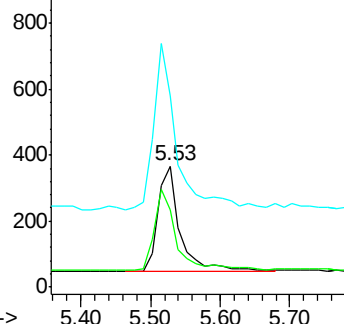
63 154.8 116.0 174.0

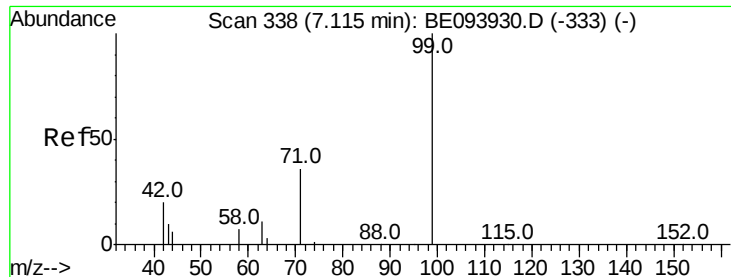


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.051 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170905

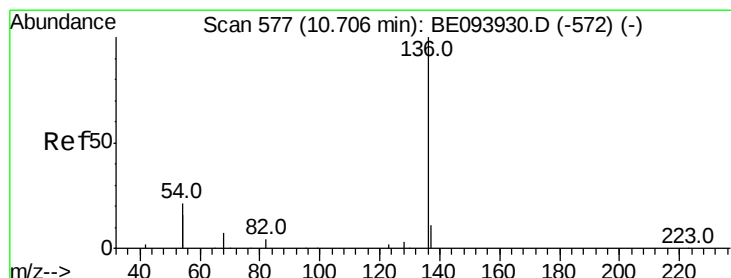
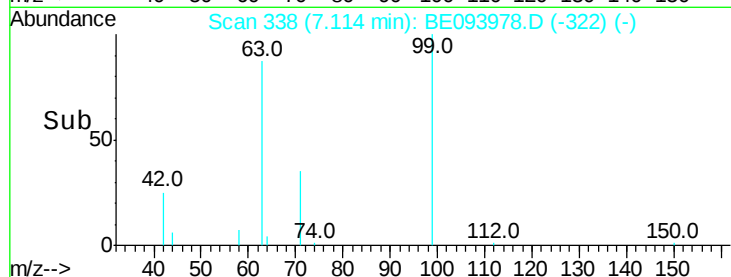
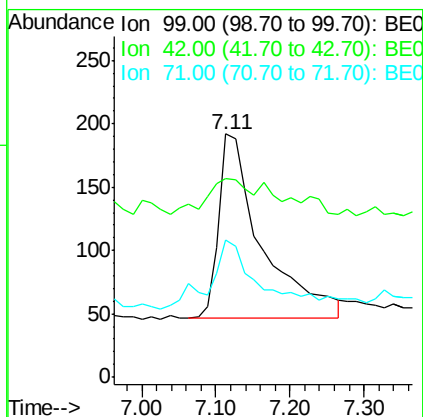
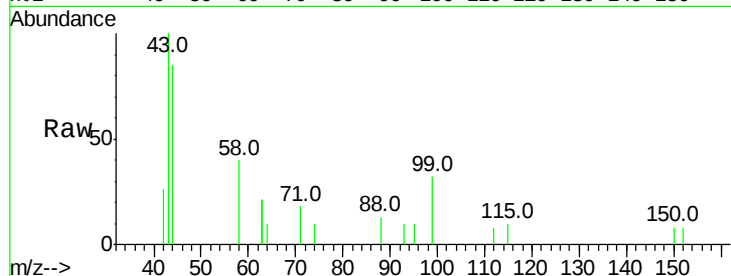
Tot Ion: 99 Resp: 582

Ion Ratio Lower Upper

99 100

42 18.9 17.1 25.7

71 43.8 26.6 39.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Tgt Ion: 136 Resp: 11593

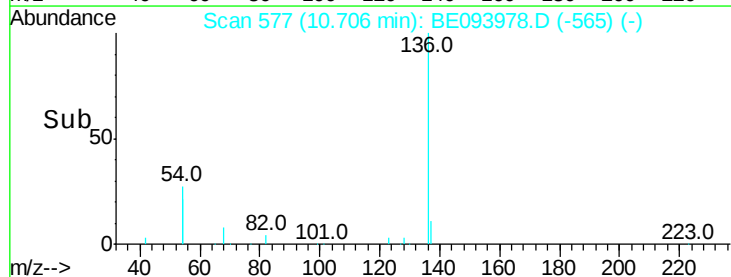
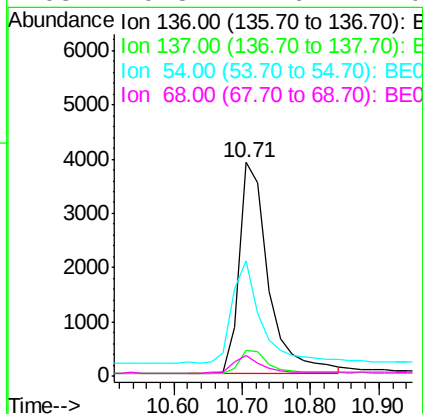
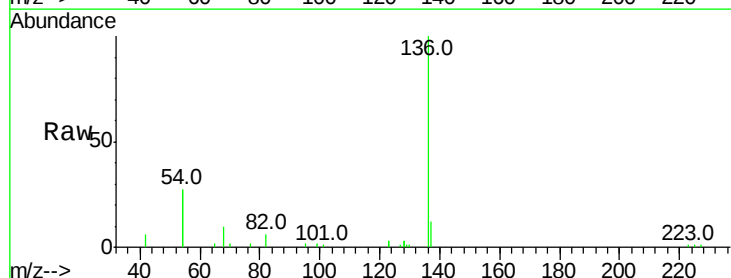
Ion Ratio Lower Upper

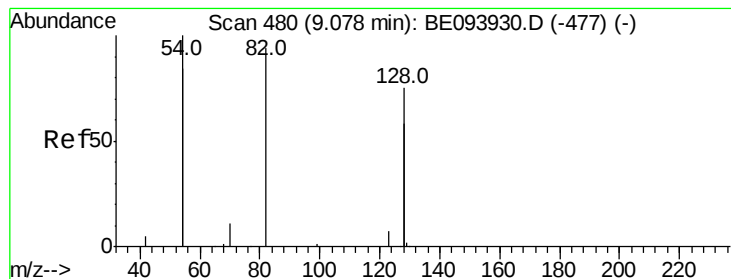
136 100

137 12.2 9.2 13.8

54 54.2 21.9 32.9#

68 9.8 4.6 7.0#





#8

Nitrobenzene-d5

Concen: 0.258 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170905

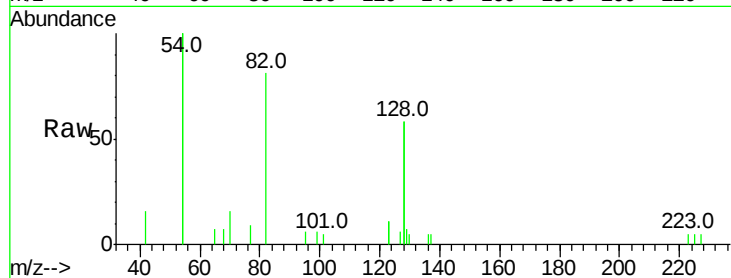
Tot Ion: 82 Resp: 2526

Ion Ratio Lower Upper

82 100

128 142.8 91.4 137.0#

54 247.1 197.8 296.8



Abundance Ion 82.00 (81.70 to 82.70): BE093930.D (-477) (-)

2500

Ion 128.00 (127.70 to 128.70): BE093930.D (-477) (-)

2000

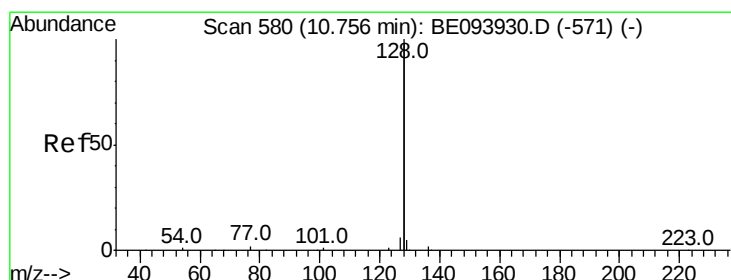
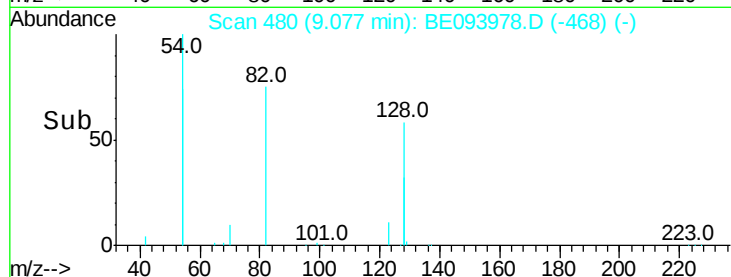
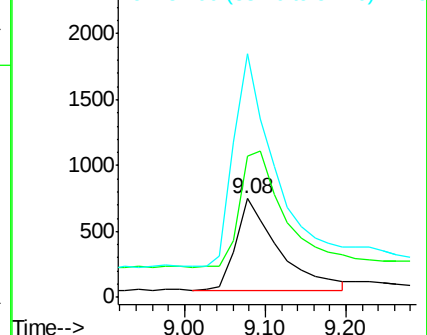
Ion 54.00 (53.70 to 54.70): BE093930.D (-477) (-)

1500

1000

500

0



#9

Naphthalene

Concen: 0.039 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

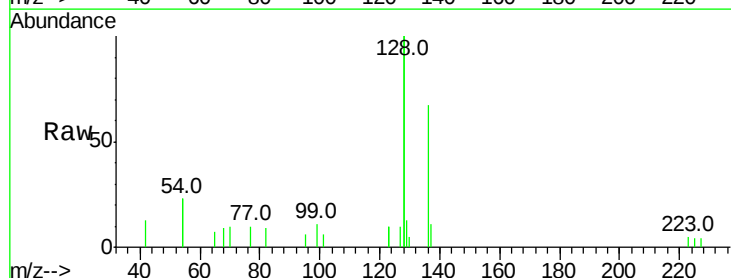
Tgt Ion: 128 Resp: 5203

Ion Ratio Lower Upper

128 100

129 6.4 2.5 3.7#

127 5.2 2.6 4.0#



Abundance Ion 128.00 (127.70 to 128.70): BE093930.D (-571) (-)

2500

Ion 129.00 (128.70 to 129.70): BE093930.D (-571) (-)

2000

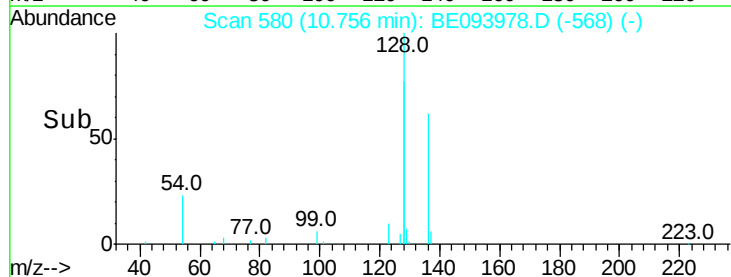
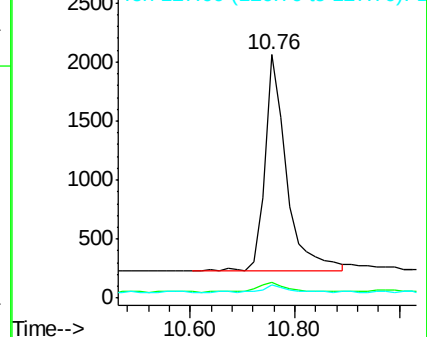
Ion 127.00 (126.70 to 127.70): BE093930.D (-571) (-)

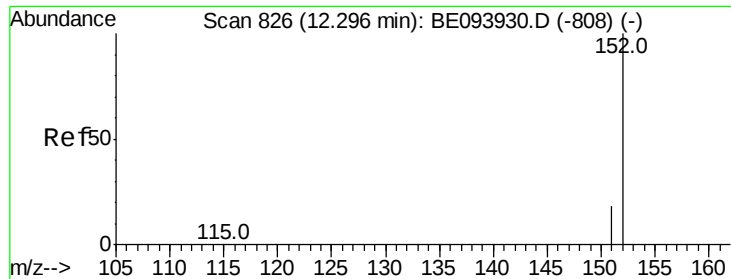
1500

1000

500

0

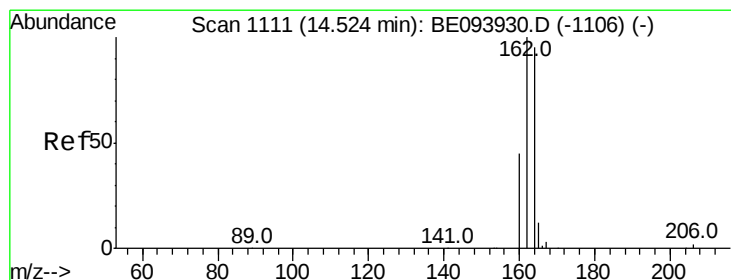
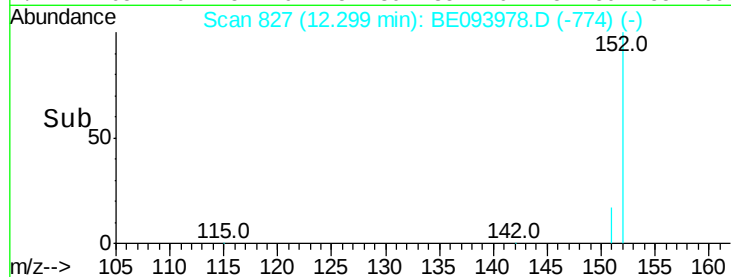
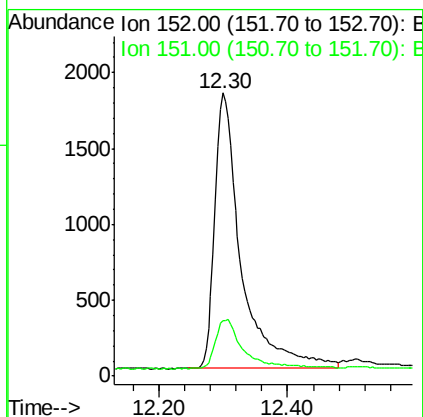
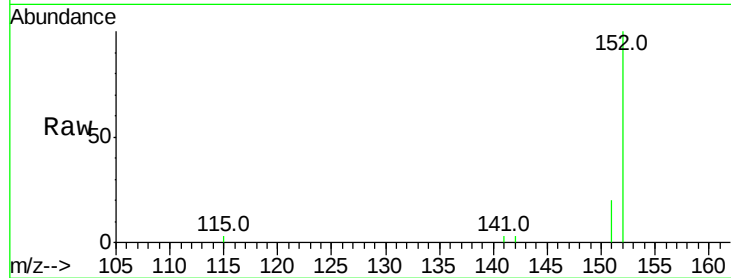




#11
2-Methylnaphthalene-d10
Concen: 0.281 ng
RT: 12.30 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE093978.D
Acq: 12 Sep 2017 00:33

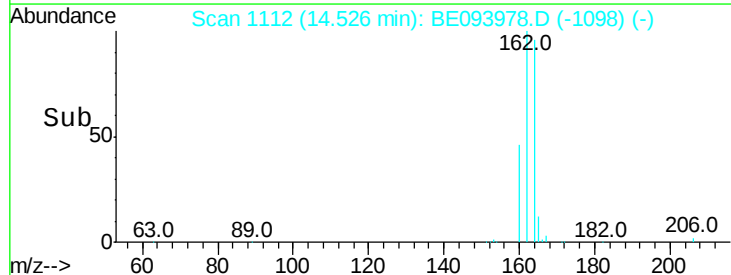
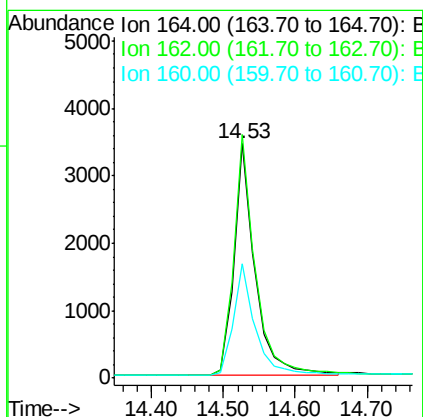
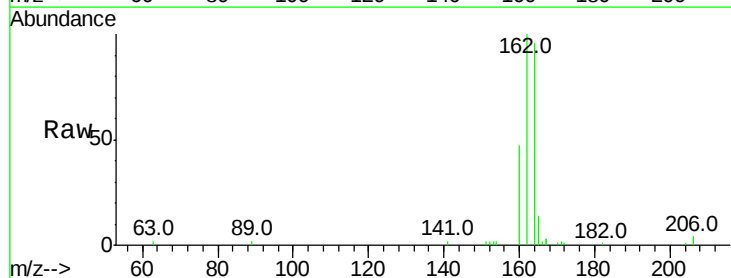
Instrument :
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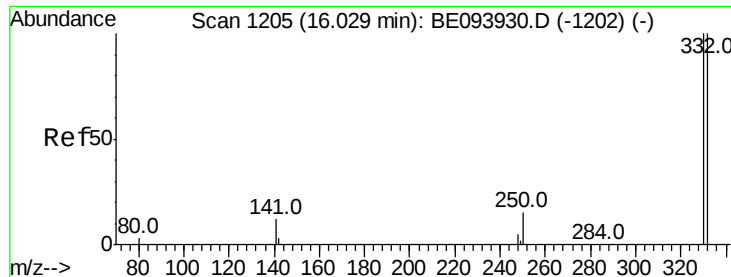
Tot Ion:152 Resp: 5212
Ion Ratio Lower Upper
152 100
151 18.2 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093978.D
Acq: 12 Sep 2017 00:33

Tgt Ion:164 Resp: 6971
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 48.8 37.0 55.4

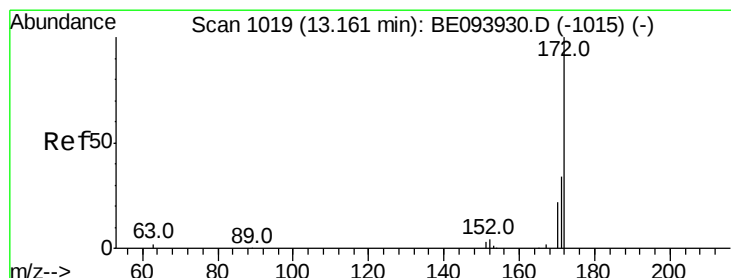
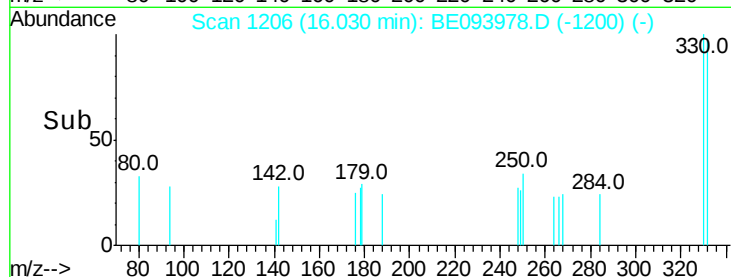
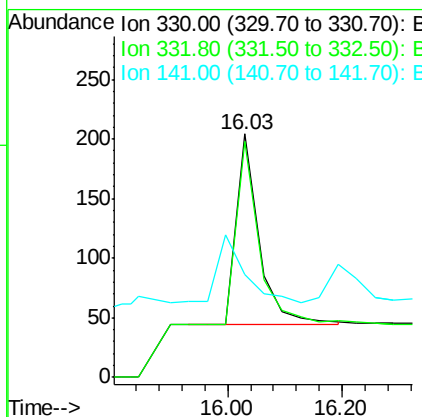
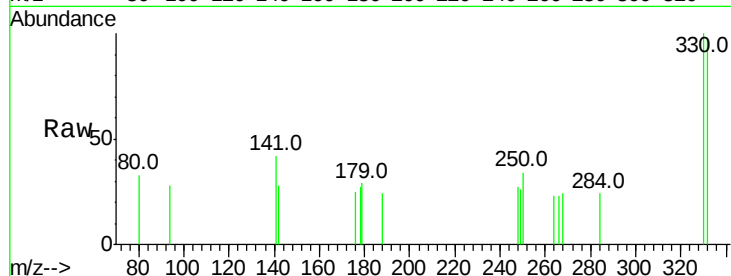




#14
 2,4,6-Tribromophenol
 Concen: 0.205 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093978.D
 Acq: 12 Sep 2017 00:33

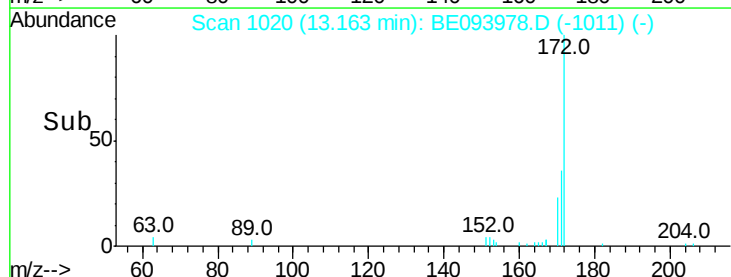
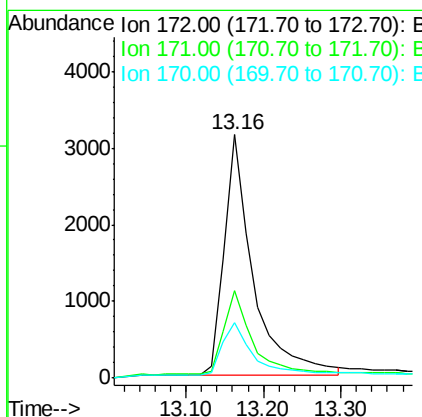
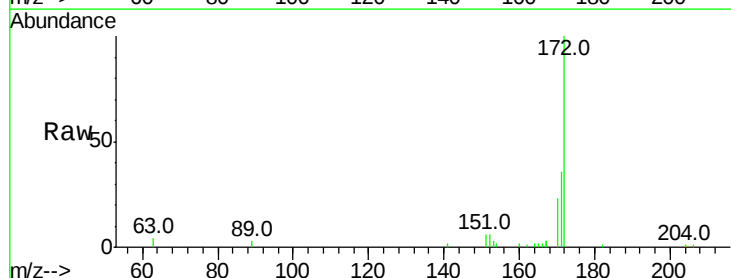
Instrument :
 BNA_E
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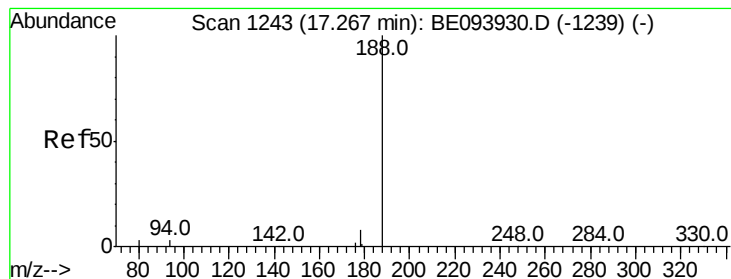
Tot Ion:330 Resp: 442
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.9 115.3
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 0.293 ng
 RT: 13.16 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BE093978.D
 Acq: 12 Sep 2017 00:33

Tgt Ion:172 Resp: 8079
 Ion Ratio Lower Upper
 172 100
 171 35.7 26.9 40.3
 170 22.9 17.3 25.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170905

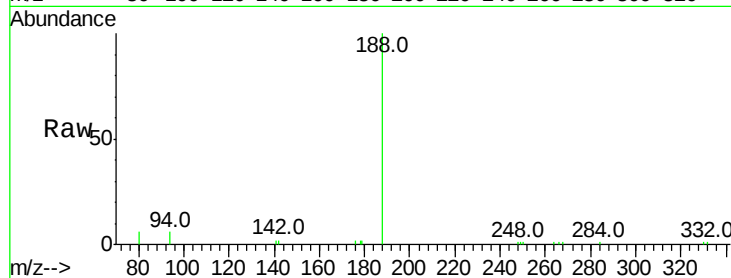
Tot Ion:188 Resp: 13754

Ion Ratio Lower Upper

188 100

94 5.6 16.1 24.1#

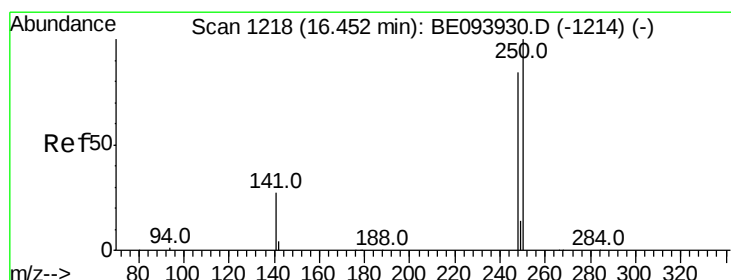
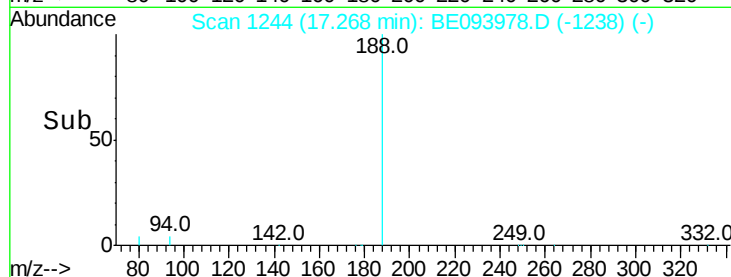
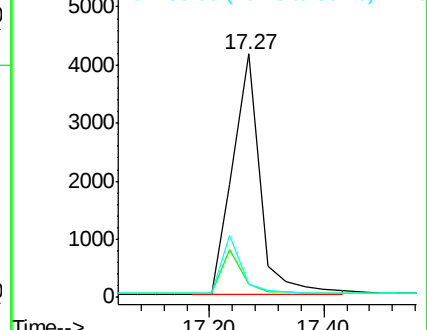
80 5.7 18.2 27.2#



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: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

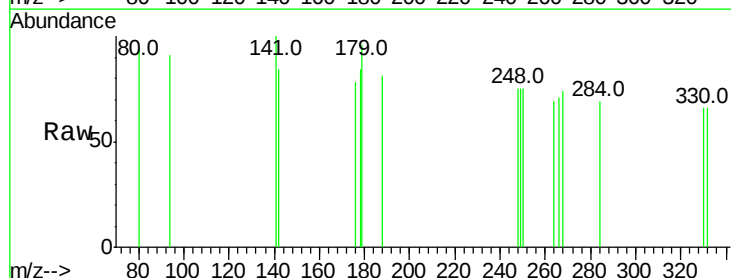
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 100.0 111.8 167.8#

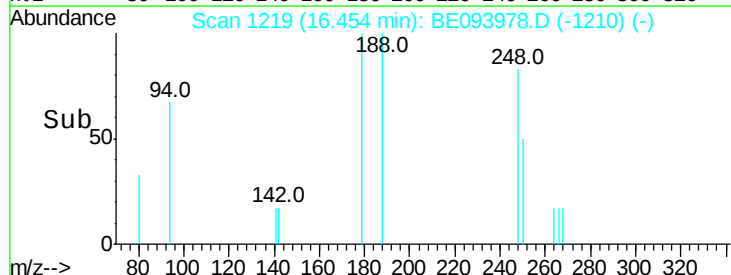
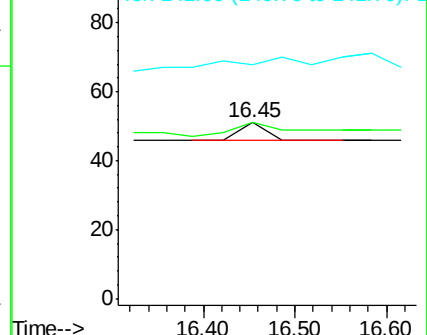
141 133.3 27.1 40.7#

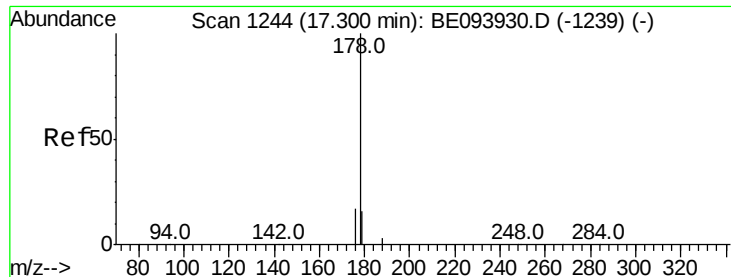


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170905

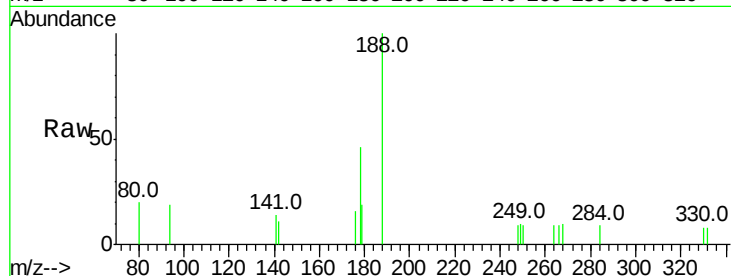
Tot Ion:178 Resp: 499

Ion Ratio Lower Upper

178 100

176 25.1 0.0 0.0#

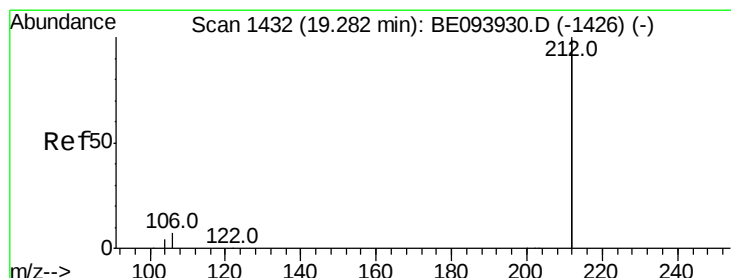
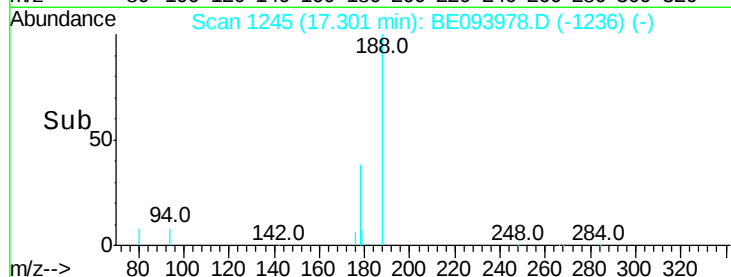
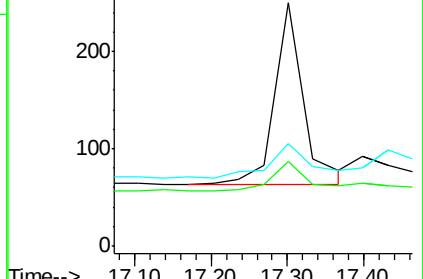
179 26.7 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.273 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

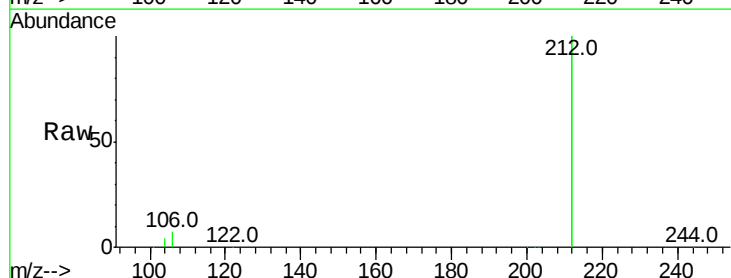
Tgt Ion:212 Resp: 55915

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

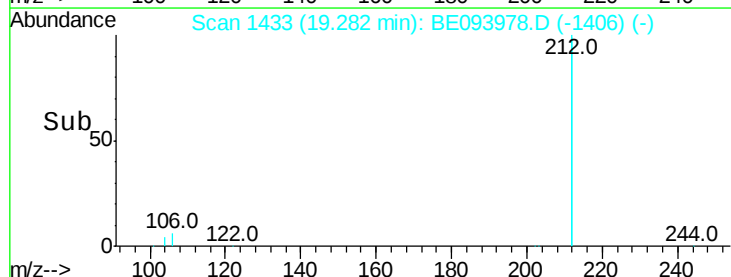
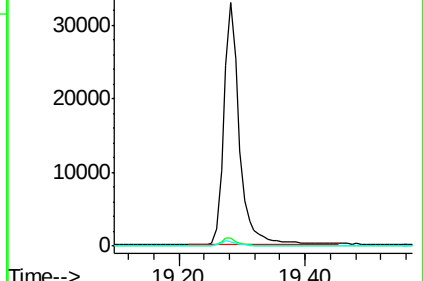
104 2.0 1.6 2.4

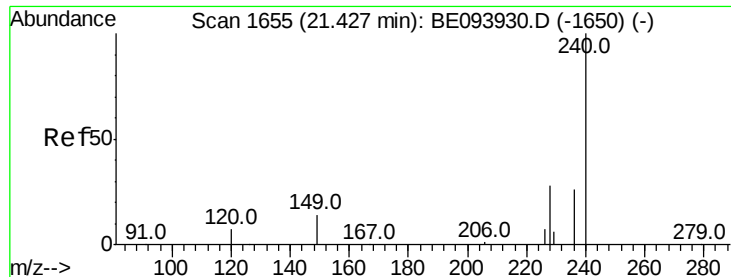


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170905

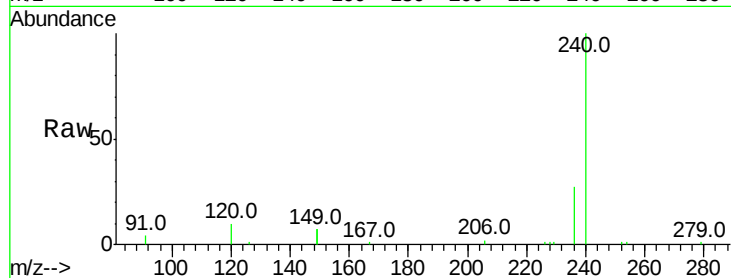
Tot Ion:240 Resp: 17141

Ion Ratio Lower Upper

240 100

120 9.7 8.7 13.1

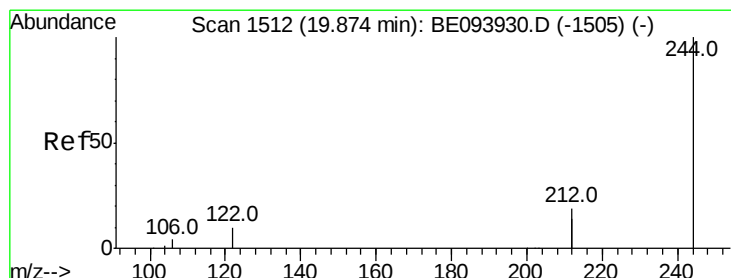
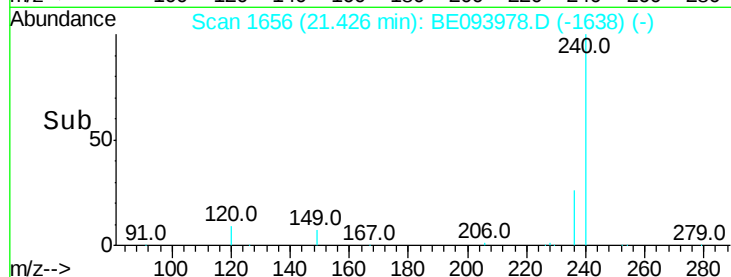
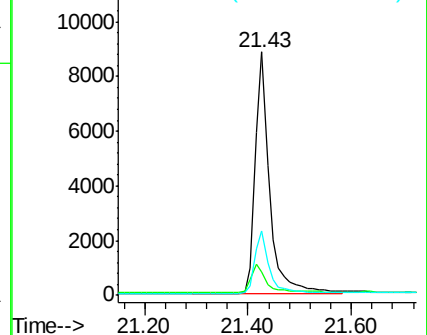
236 26.6 21.3 31.9



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: 0.364 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093978.D

Acq: 12 Sep 2017 00:33

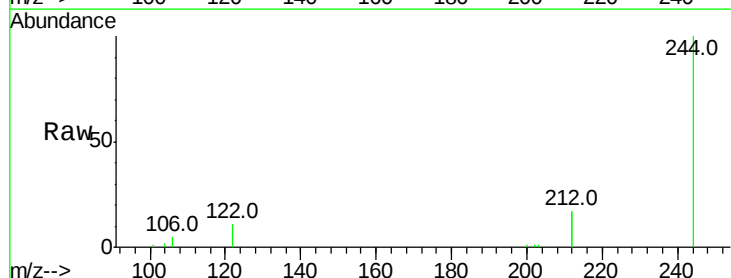
Tgt Ion:244 Resp: 11479

Ion Ratio Lower Upper

244 100

212 34.1 28.3 42.5

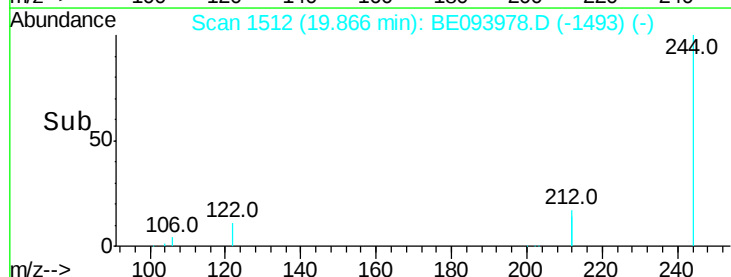
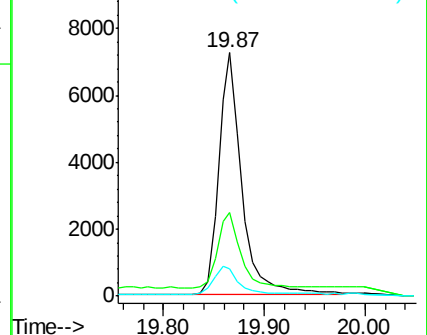
122 11.5 9.4 14.0

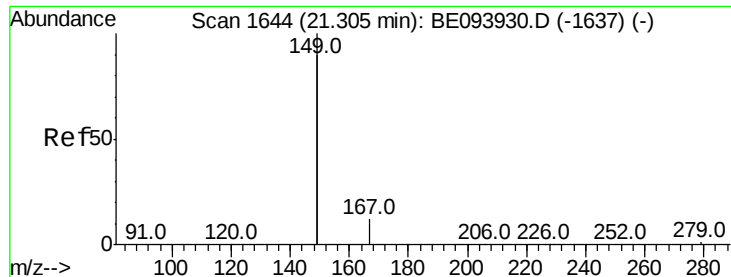


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

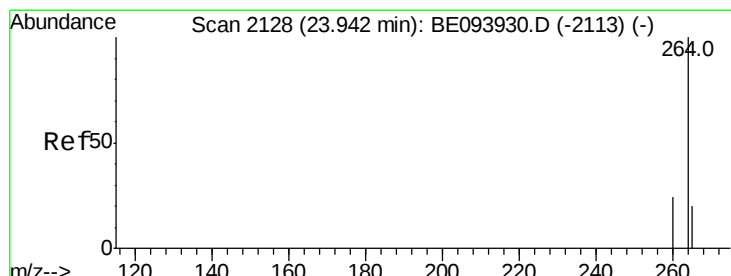
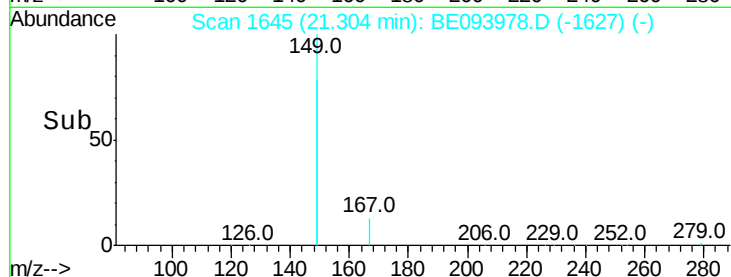
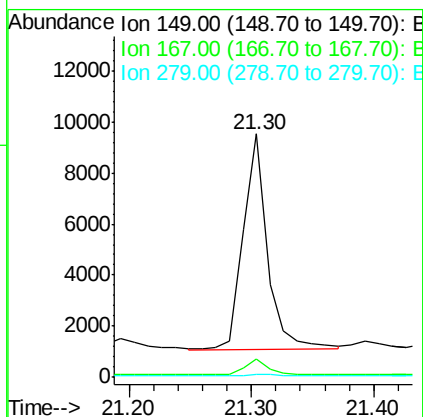
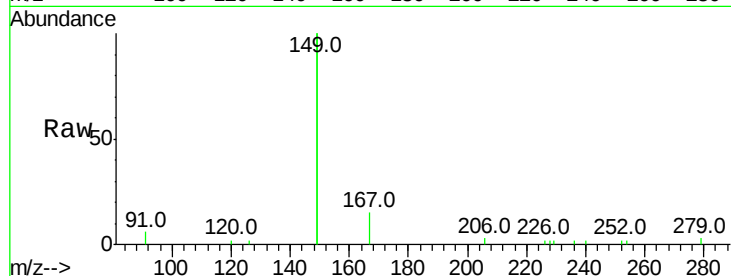




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.092 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE093978.D
 Acq: 12 Sep 2017 00:33

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170905

Tot Ion:149 Resp: 11770
 Ion Ratio Lower Upper
 149 100
 167 6.9 5.4 8.0
 279 1.2 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.95 min Scan# 2130
 Delta R.T. 0.01 min
 Lab File: BE093978.D
 Acq: 12 Sep 2017 00:33

Tgt Ion:264 Resp: 12872
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.0 30.0
 265 32.2 24.0 36.0

