

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093984.D
 Acq On : 13 Sep 2017 11:59
 Operator : SJ/JU
 Sample : I5167-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CPS103061

Quant Time: Sep 14 00:52:24 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

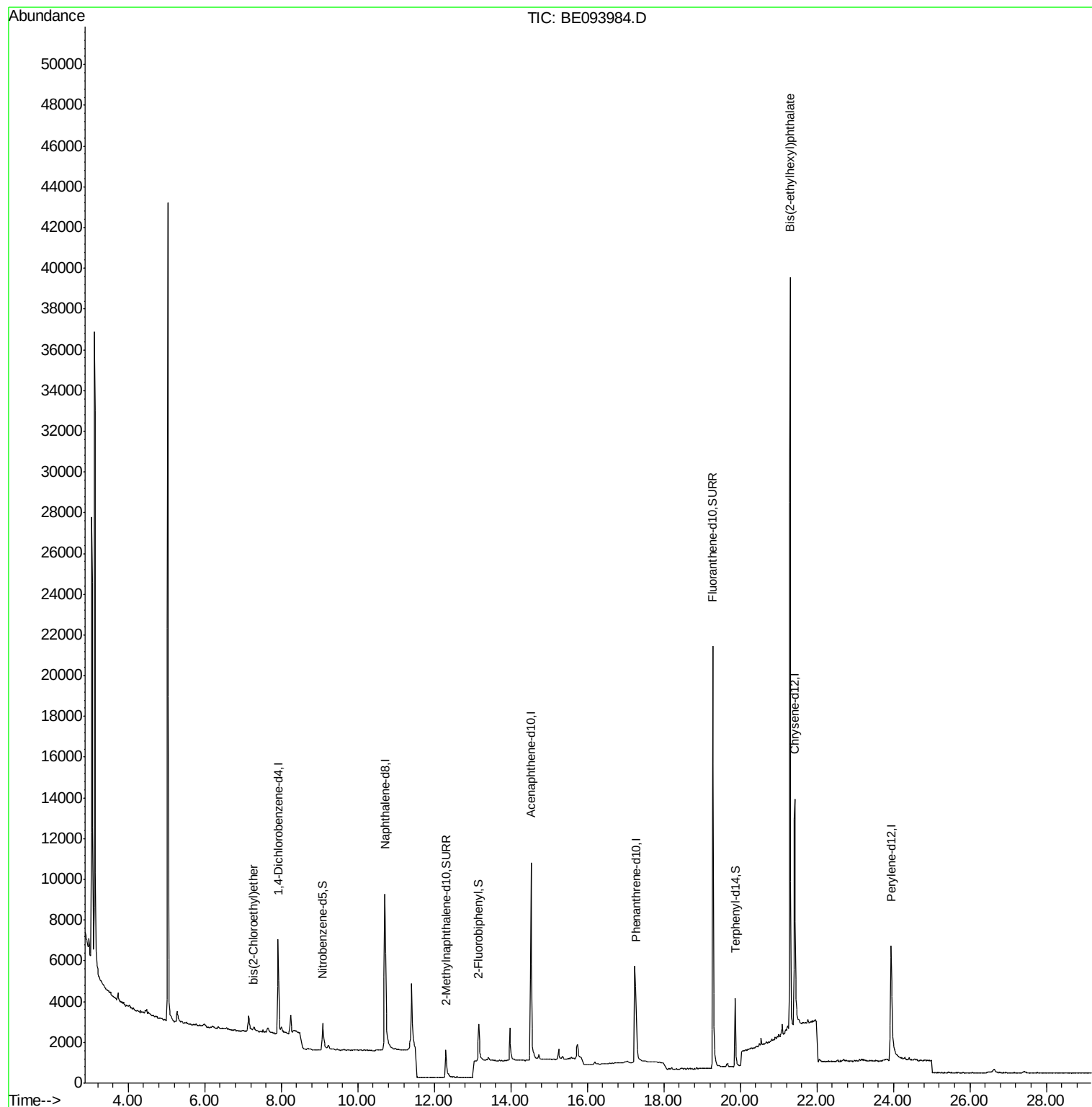
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2436	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	12060	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	7098	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	13921	0.40	ng	0.00
27) Chrysene-d12	21.43	240	17443	0.40	ng	0.00
34) Perylene-d12	23.94	264	12768	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	77	0.01	ng	0.00
5) Phenol-d6	7.11	99	233	0.02	ng	0.00
8) Nitrobenzene-d5	9.08	82	900	0.09	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	3155	0.16	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	33	0.02	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	2571	0.09	ng	0.00
25) Fluoranthene-d10	19.28	212	34359	0.17	ng	0.00
29) Terphenyl-d14	19.87	244	3792	0.12	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.26	93	277	0.029	ng	Qvalue # 1
20) 4-Bromophenyl-phenylether	16.45	248	12	Below Cal		# 30
23) Phenanthrene	17.30	178	274	Below Cal		# 38
32) Bis(2-ethylhexyl)phthalate	21.30	149	47618	0.366	ng	99

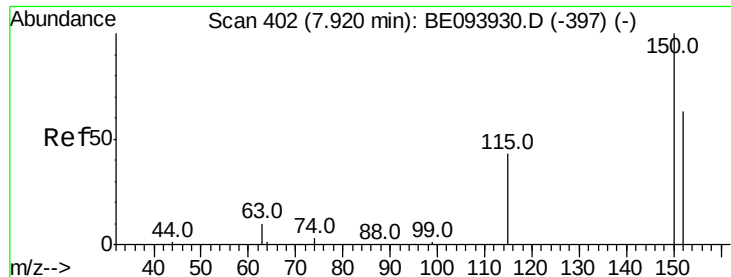
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
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CPS103061

Quant Time: Sep 14 00:52:24 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

Instrument :

BNA_E

ClientSampleId :

CPS103061

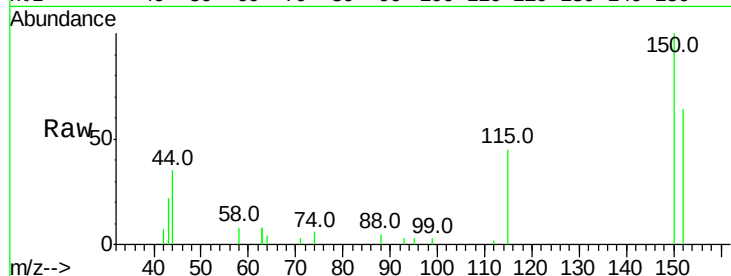
Tot Ion:152 Resp: 2436

Ion Ratio Lower Upper

152 100

150 156.7 121.8 182.6

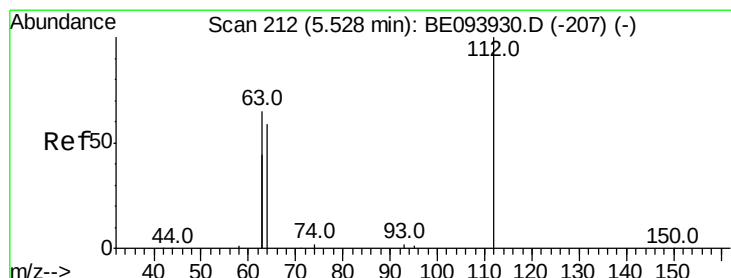
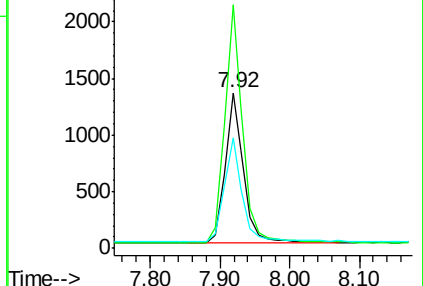
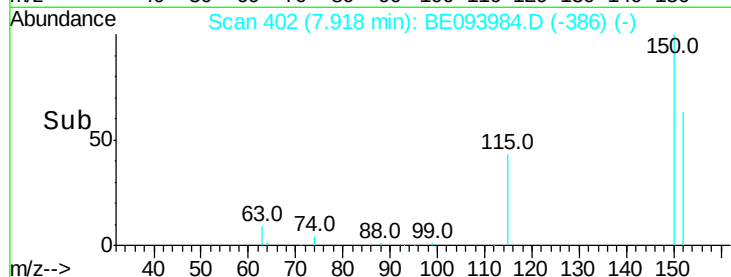
115 71.0 52.6 79.0



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



#4

2-Fluorophenol

Concen: 0.010 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

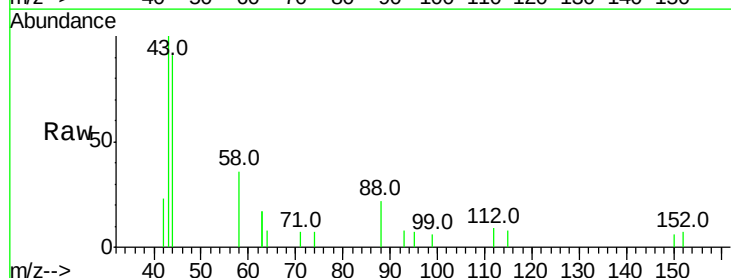
Tgt Ion:112 Resp: 77

Ion Ratio Lower Upper

112 100

64 50.6 57.7 86.5#

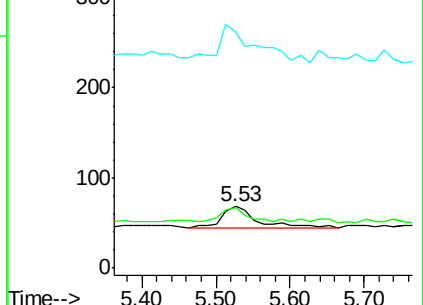
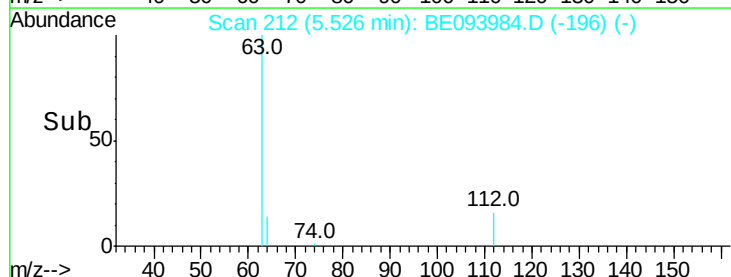
63 161.0 116.0 174.0

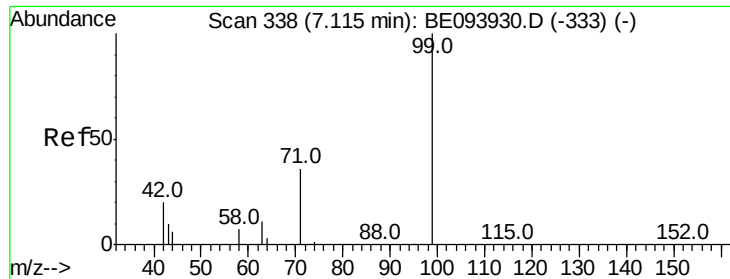


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.020 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

Instrument :

BNA_E

ClientSampleId :

CPS103061

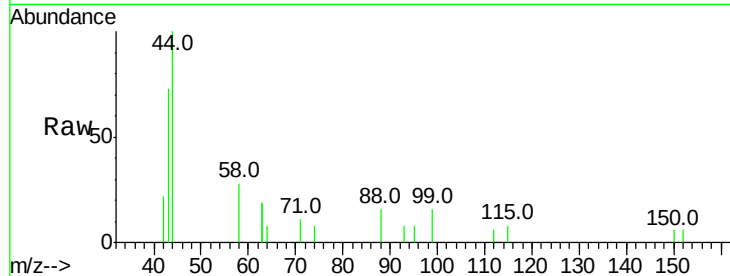
Tot Ion: 99 Resp: 233

Ion Ratio Lower Upper

99 100

42 45.9 17.1 25.7#

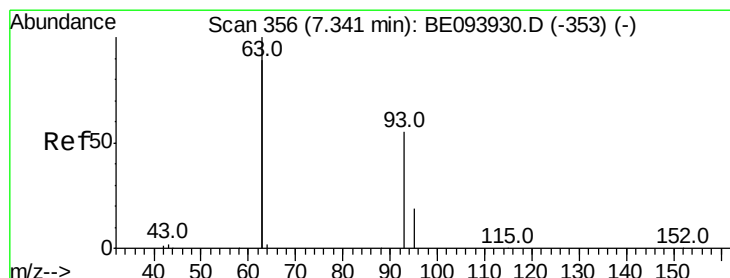
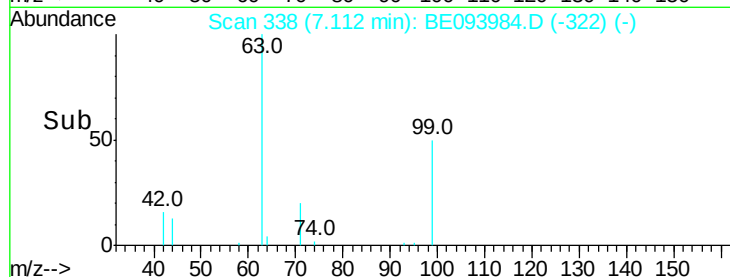
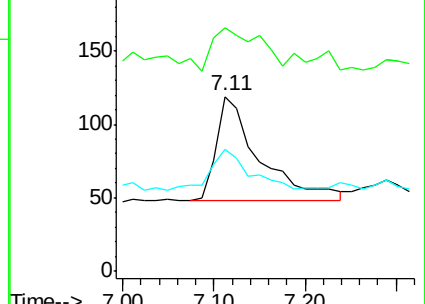
71 39.1 26.6 39.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.029 ng

RT: 7.26 min Scan# 350

Delta R.T. -0.08 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

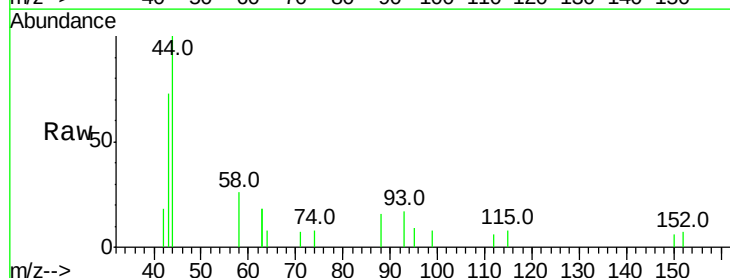
Tgt Ion: 93 Resp: 277

Ion Ratio Lower Upper

93 100

63 0.0 283.4 425.2#

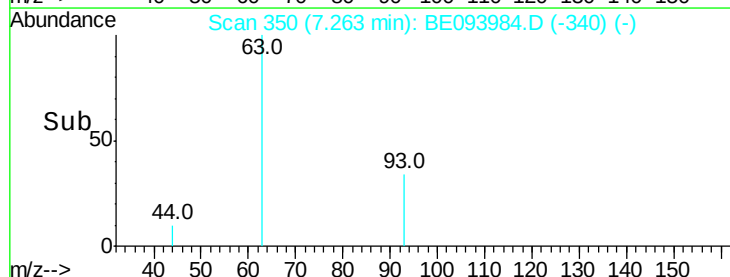
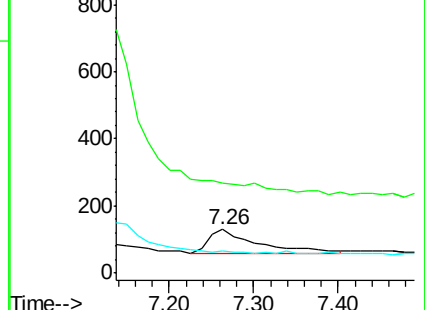
95 0.0 26.9 40.3#

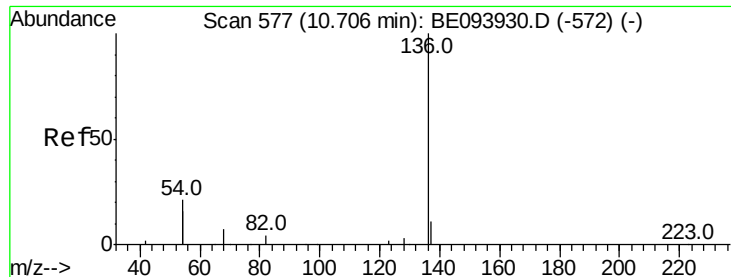


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

Instrument :

BNA_E

ClientSampleId :

CPS103061

Tot Ion:136 Resp: 12060

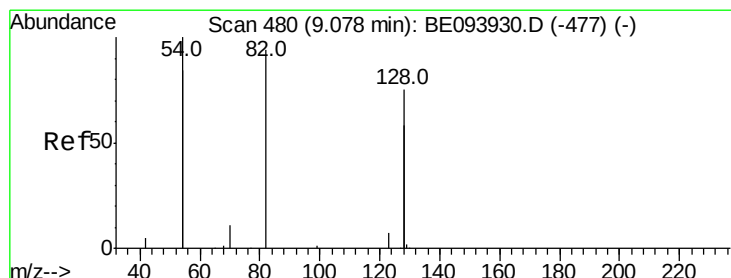
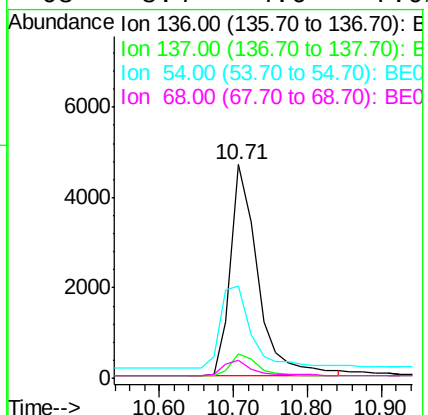
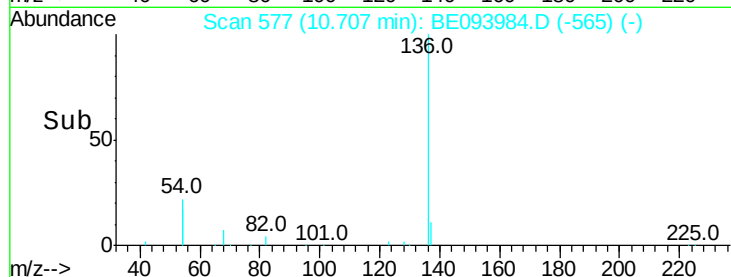
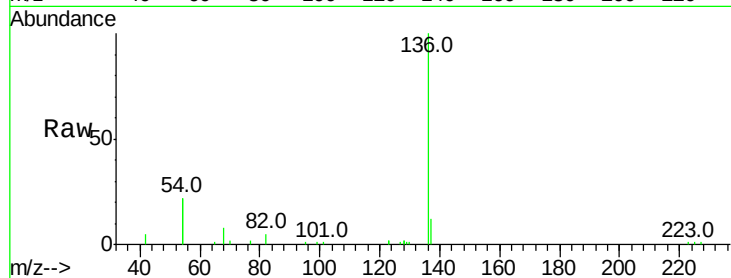
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 43.3 21.9 32.9#

68 8.4 4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.088 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

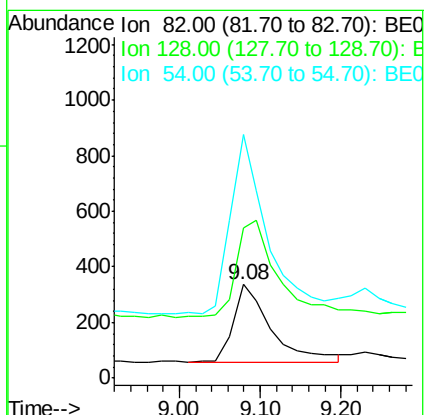
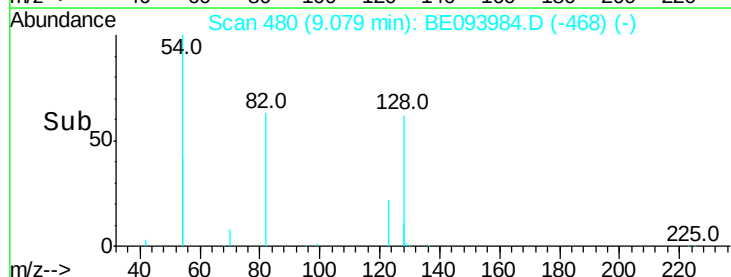
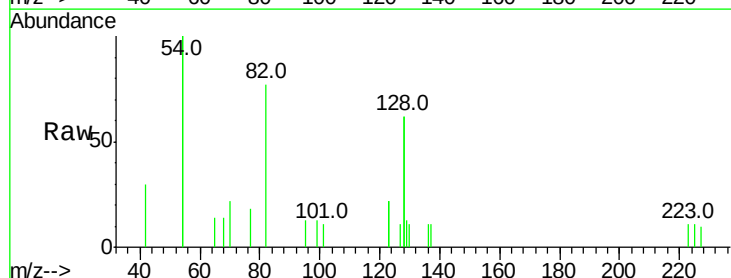
Tgt Ion: 82 Resp: 900

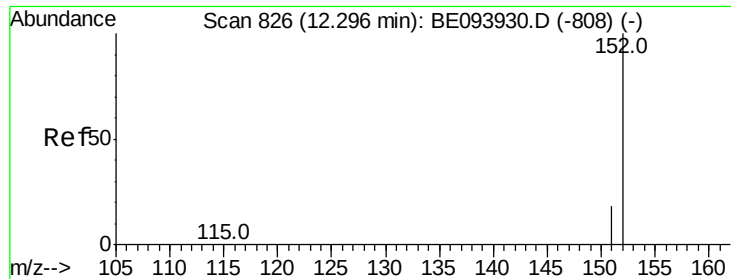
Ion Ratio Lower Upper

82 100

128 161.3 91.4 137.0#

54 260.7 197.8 296.8





#11

2-Methylnaphthalene-d10

Concen: 0.163 ng

RT: 12.30 min Scan# 828

Delta R.T. 0.01 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

Instrument :

BNA_E

ClientSampleId :

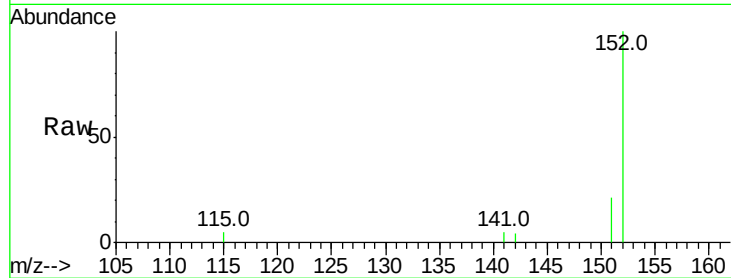
CPS103061

Tot Ion:152 Resp: 3155

Ion Ratio Lower Upper

152 100

151 18.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

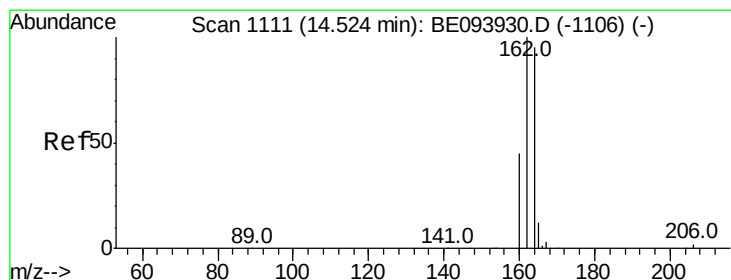
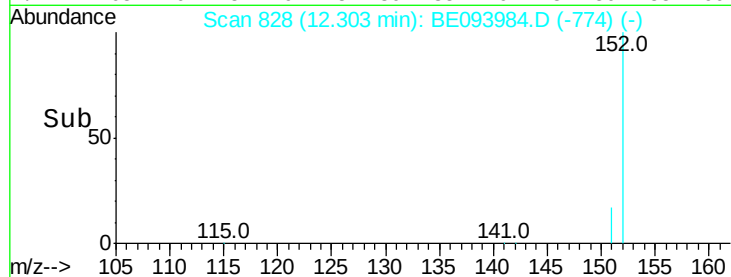
12.30

1000

500

0

Time--> 12.20 12.30 12.40 12.50



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

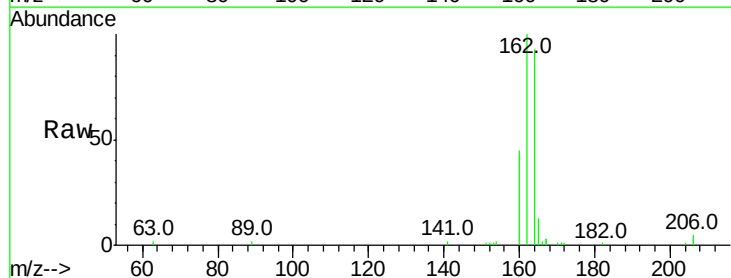
Tgt Ion:164 Resp: 7098

Ion Ratio Lower Upper

164 100

162 108.1 80.8 121.2

160 48.8 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

5000

4000

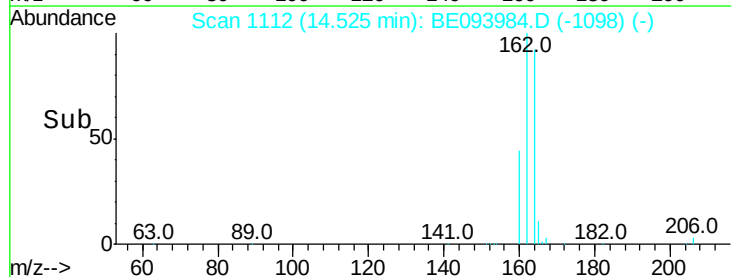
3000

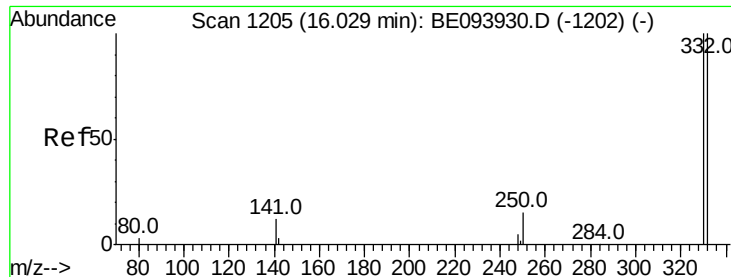
2000

1000

0

Time--> 14.40 14.50 14.60 14.70





#14

2,4,6-Tribromophenol

Concen: 0.015 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

Instrument :

BNA_E

ClientSampled :

CPS103061

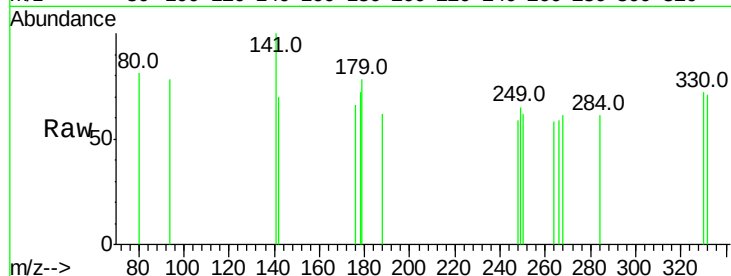
Tot Ion:330 Resp: 33

Ion Ratio Lower Upper

330 100

332 100.0 76.9 115.3

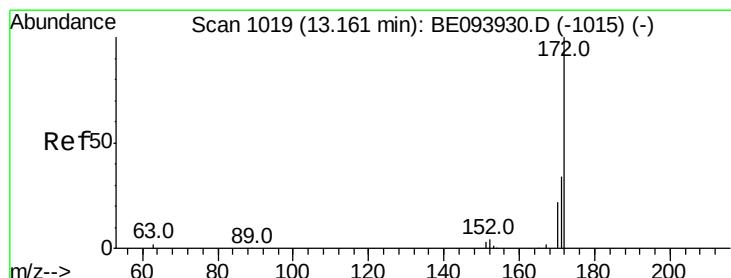
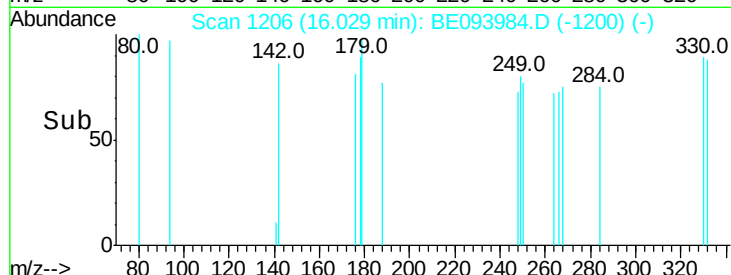
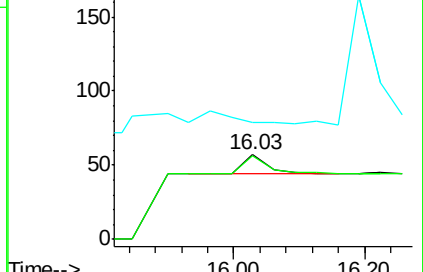
141 0.0 0.0 0.0



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: 0.092 ng

RT: 13.16 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

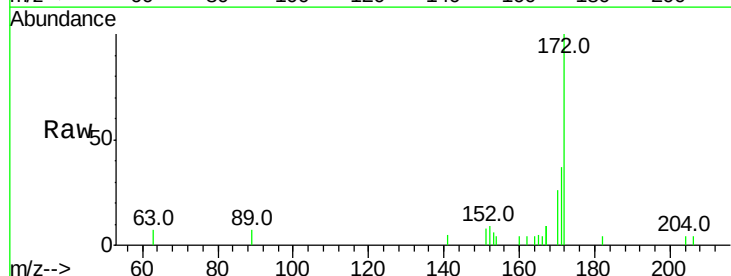
Tgt Ion:172 Resp: 2571

Ion Ratio Lower Upper

172 100

171 36.9 26.9 40.3

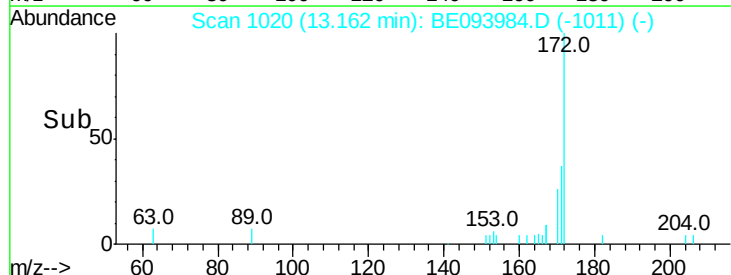
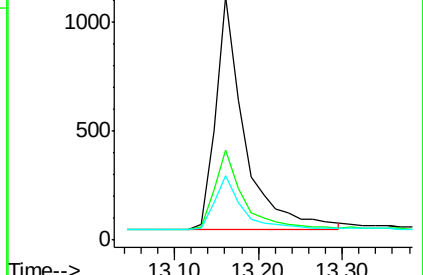
170 26.2 17.3 25.9#

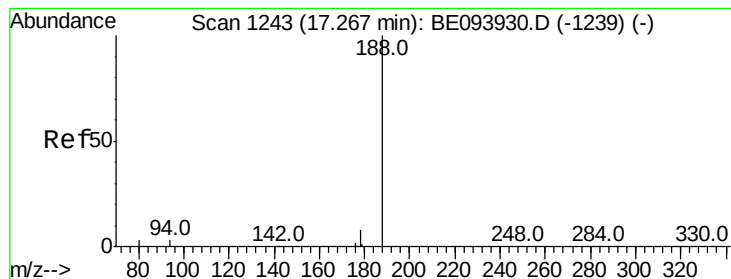


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

Instrument :

BNA_E

ClientSampleId :

CPS103061

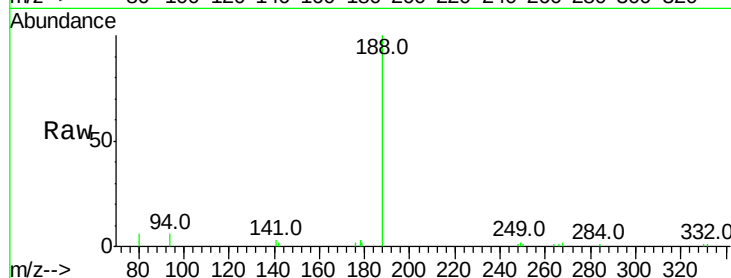
Tot Ion:188 Resp: 13921

Ion Ratio Lower Upper

188 100

94 6.0 16.1 24.1#

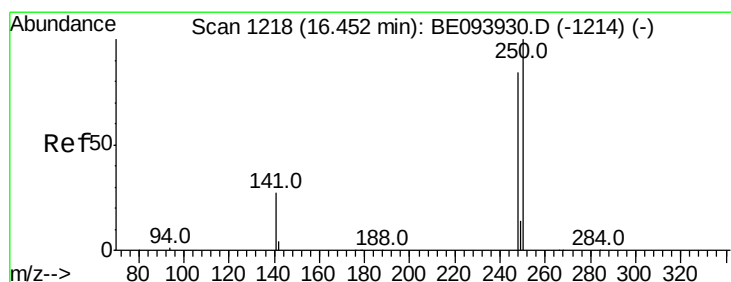
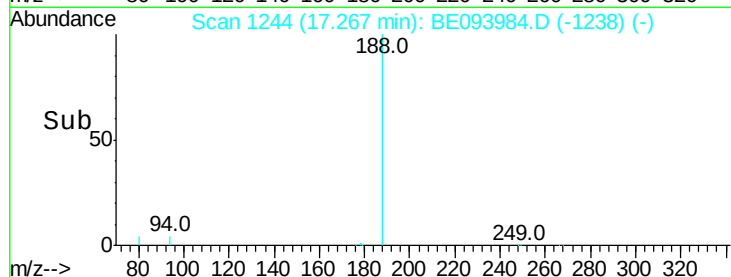
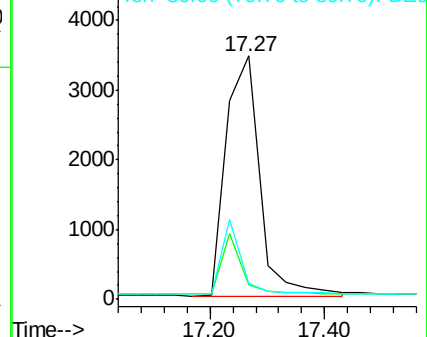
80 6.3 18.2 27.2#



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: BE093984.D

Acq: 13 Sep 2017 11:59

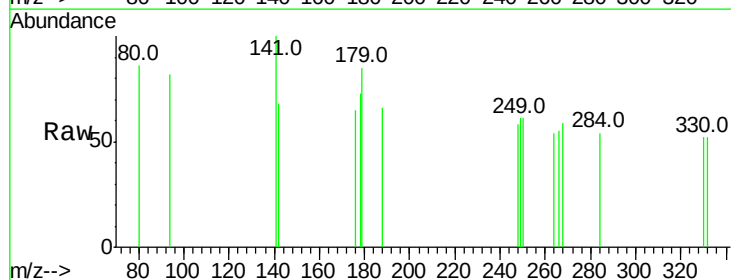
Tgt Ion:248 Resp: 12

Ion Ratio Lower Upper

248 100

250 106.1 111.8 167.8#

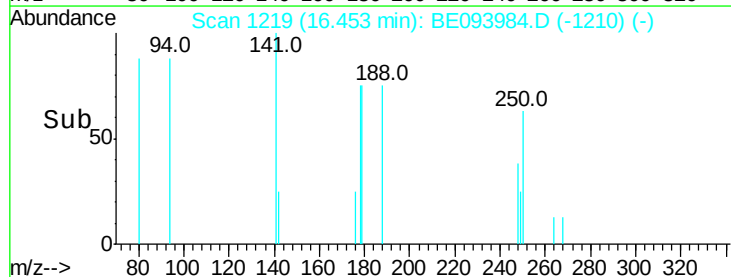
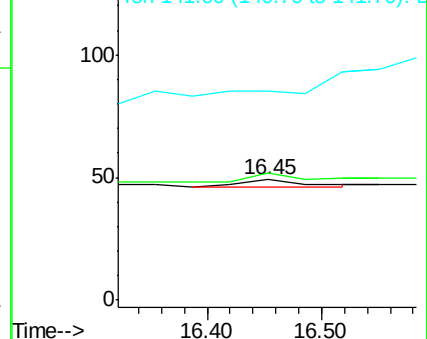
141 173.5 27.1 40.7#

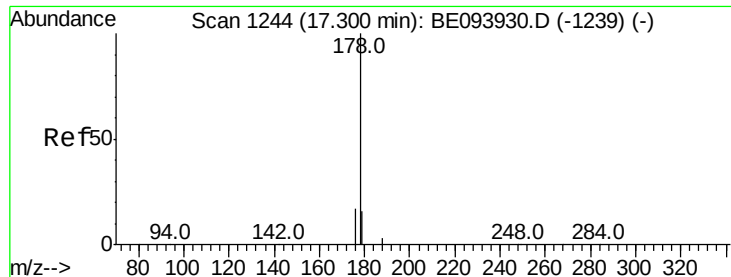


Abundance Ion 248.00 (247.70 to 248.70): E

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: BE093984.D

Acq: 13 Sep 2017 11:59

Instrument :

BNA_E

ClientSampleId :

CPS103061

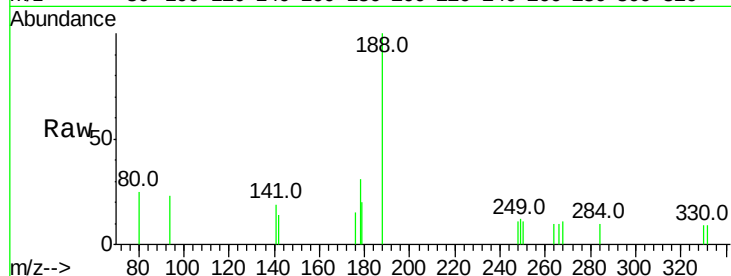
Tot Ion:178 Resp: 274

Ion Ratio Lower Upper

178 100

176 29.9 0.0 0.0#

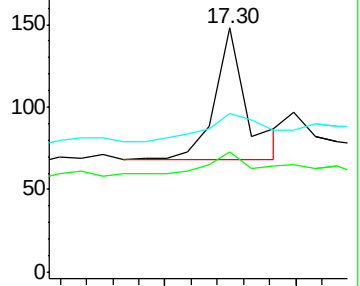
179 42.0 12.6 18.8#



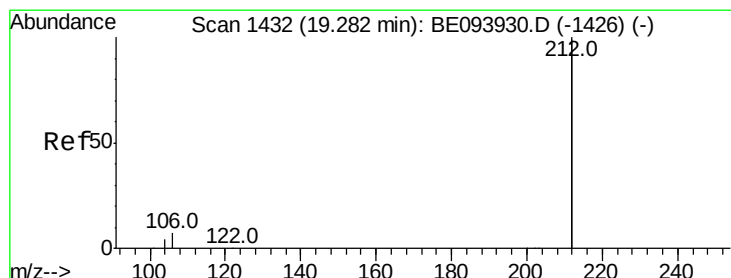
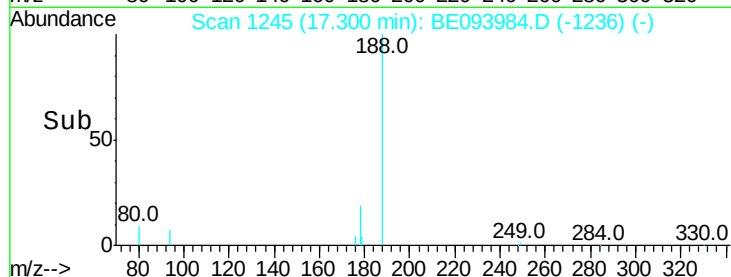
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.166 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE093984.D

Acq: 13 Sep 2017 11:59

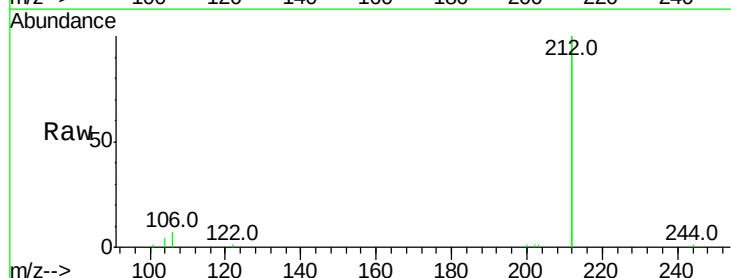
Tgt Ion:212 Resp: 34359

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

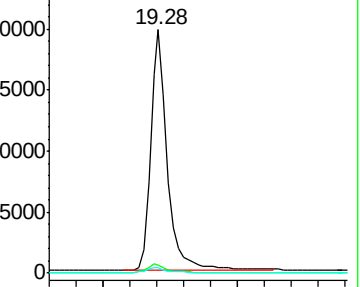
104 1.9 1.6 2.4



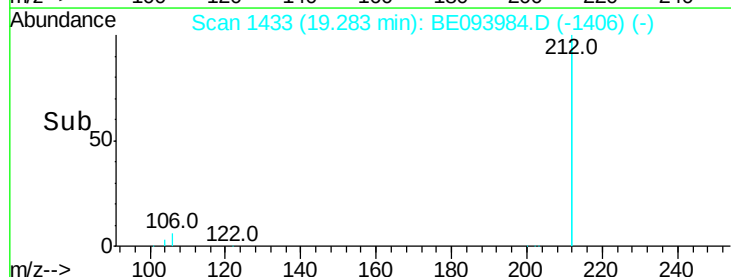
Abundance Ion 212.00 (211.70 to 212.70): E

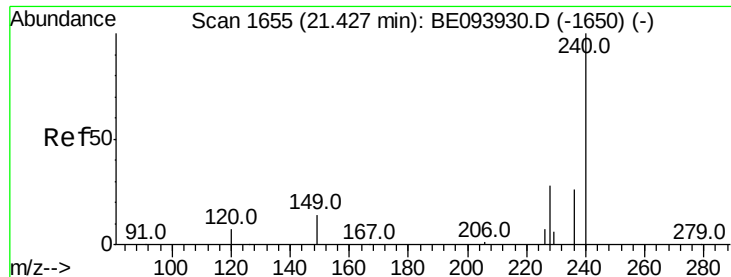
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

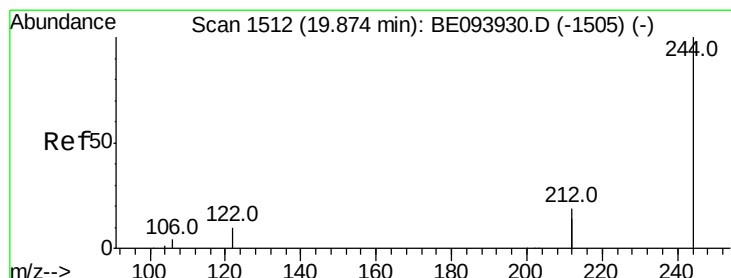
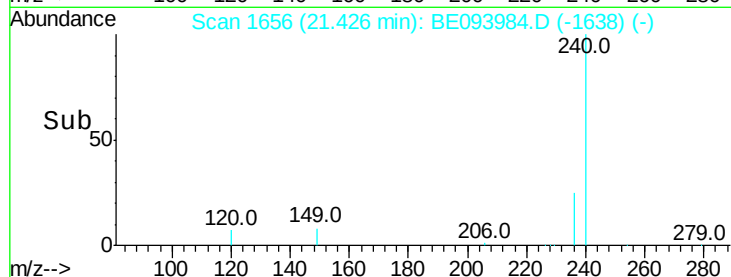
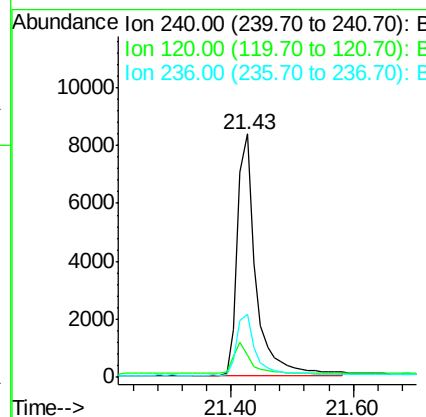
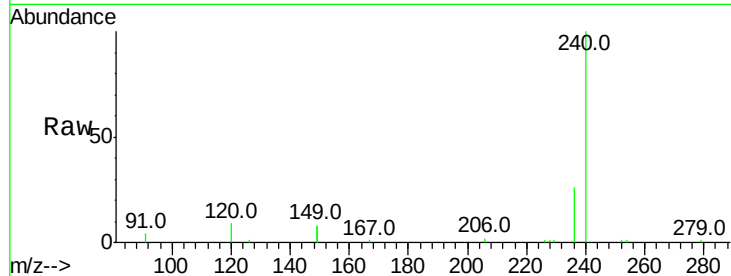




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BE093984.D
 Acq: 13 Sep 2017 11:59

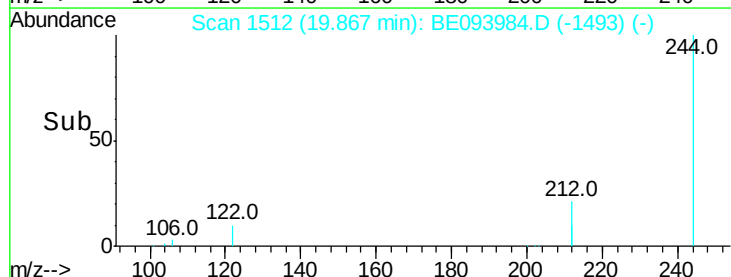
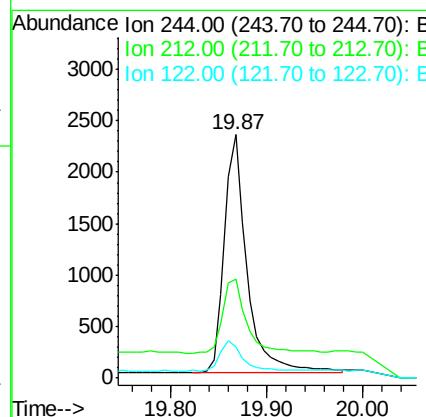
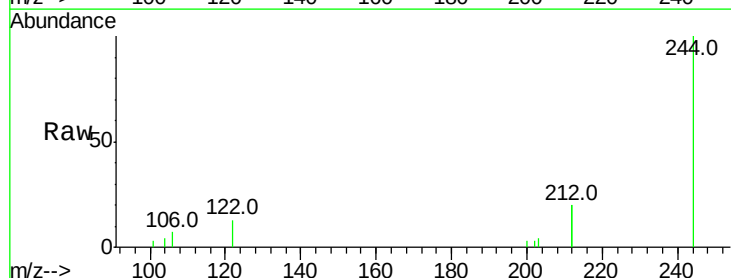
Instrument :
 BNA_E
 ClientSampled :
 CPS103061

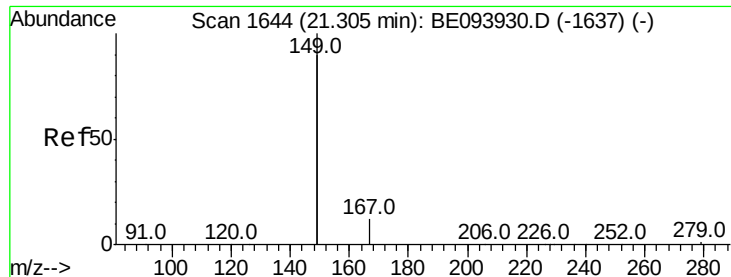
Tot Ion:240 Resp: 17443
 Ion Ratio Lower Upper
 240 100
 120 9.1 8.7 13.1
 236 25.8 21.3 31.9



#29
 Terphenyl-d14
 Concen: 0.118 ng
 RT: 19.87 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: BE093984.D
 Acq: 13 Sep 2017 11:59

Tgt Ion:244 Resp: 3792
 Ion Ratio Lower Upper
 244 100
 212 40.4 28.3 42.5
 122 12.7 9.4 14.0

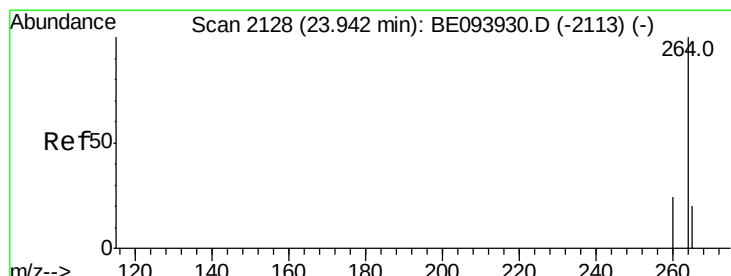
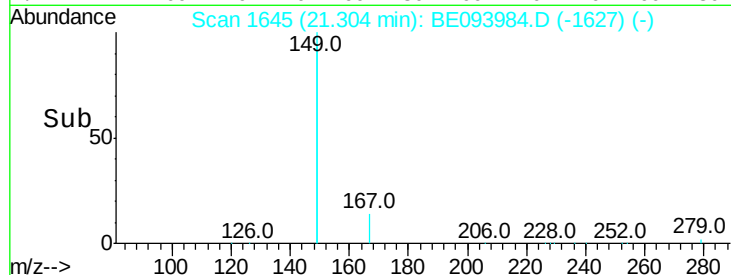
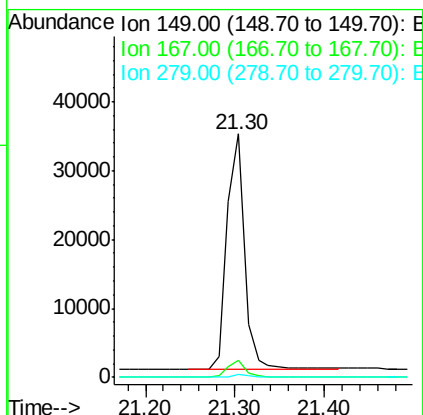
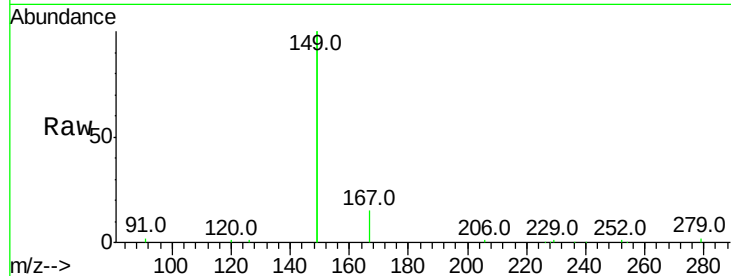




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.366 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE093984.D
 Acq: 13 Sep 2017 11:59

Instrument :
 BNA_E
 ClientSampleId :
 CPS103061

Tot Ion:149 Resp: 47618
 Ion Ratio Lower Upper
 149 100
 167 6.5 5.4 8.0
 279 0.9 0.7 1.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BE093984.D
 Acq: 13 Sep 2017 11:59

Tgt Ion:264 Resp: 12768
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.0 30.0
 265 31.3 24.0 36.0

