

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091117\
 Data File : BE093969.D
 Acq On : 11 Sep 2017 18:58
 Operator : SJ/JU
 Sample : I5167-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CPS113061

Quant Time: Sep 12 07:43:25 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	2250	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11914	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	7556	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18320	0.40	ng	-0.03
27) Chrysene-d12	21.41	240	17331	0.40	ng	-0.01
34) Perylene-d12	23.93	264	14438	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	872	0.12	ng	0.00
5) Phenol-d6	7.11	99	720	0.07	ng	0.00
8) Nitrobenzene-d5	9.08	82	3023	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5448	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	567	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8394	0.28	ng	-0.01
25) Fluoranthene-d10	19.28	212	59268	0.22	ng	0.00
29) Terphenyl-d14	19.86	244	15954	0.50	ng	-0.01

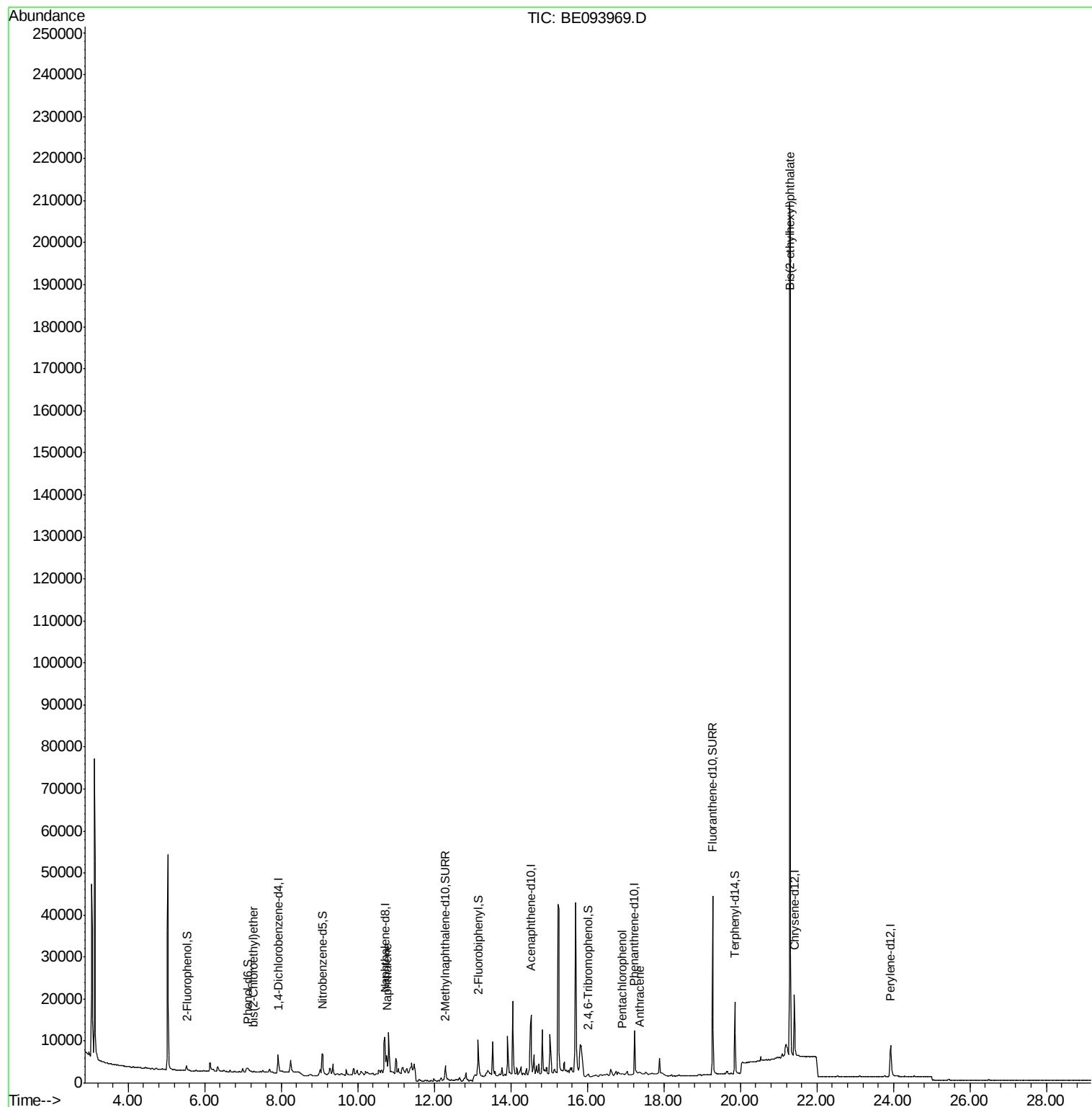
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.28	93	215	0.024	ng	# 1
9) Naphthalene	10.76	128	5528	0.040	ng	# 69
20) 4-Bromophenyl-phenylether	16.52	248	8	Below Cal		# 1
22) Pentachlorophenol	16.91	266	465	0.160	ng	# 83
23) Phenanthrene	17.37	178	3043	Below Cal		# 63
24) Anthracene	17.37	178	3043	0.055	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.29	149	278004	2.151	ng	100

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

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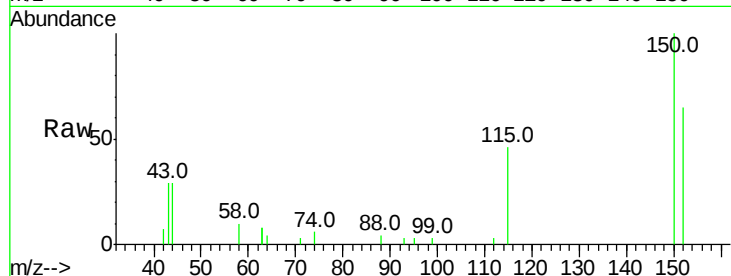


#1

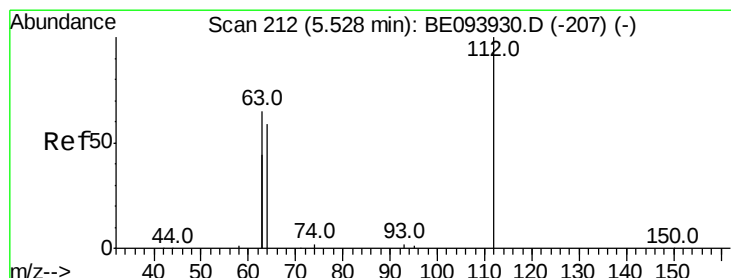
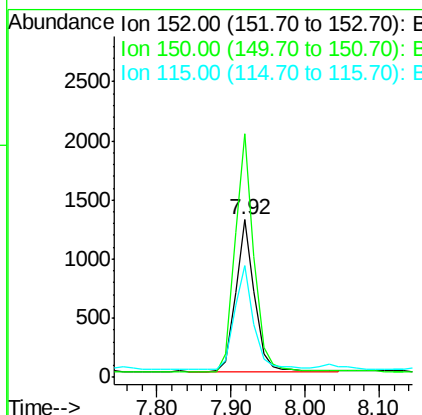
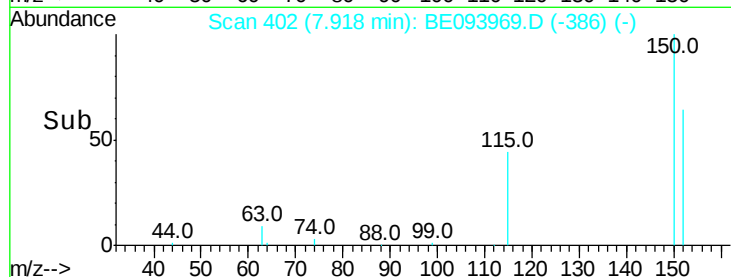
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093969.D
Acq: 11 Sep 2017 18:58

Instrument :
BNA_E
ClientSampled :
CPS113061

Tot Ion:152 Resp: 2250
Ion Ratio Lower Upper
152 100
150 154.6 121.8 182.6
115 70.7 52.6 79.0



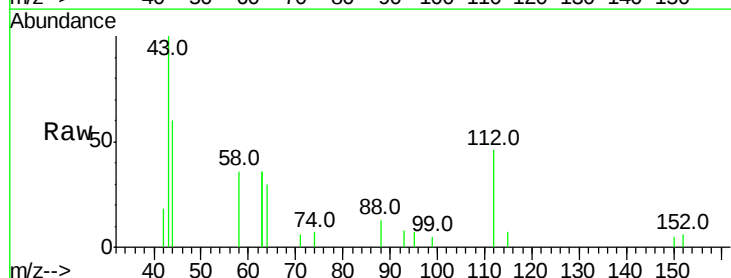
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



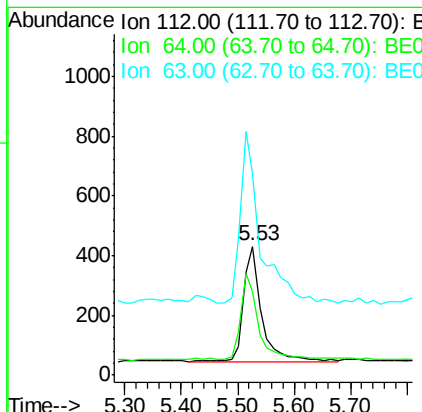
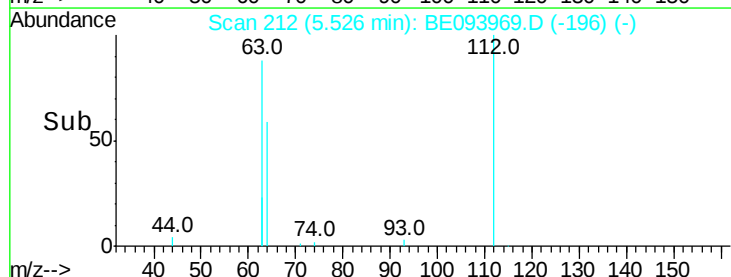
#4

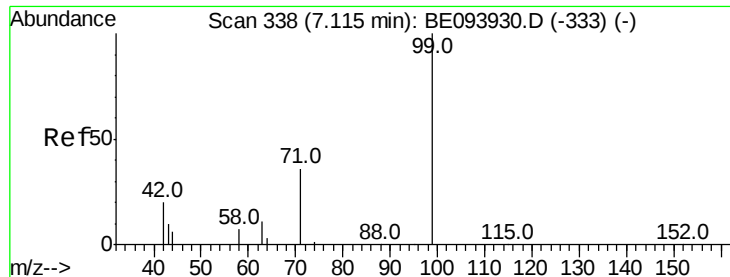
2-Fluorophenol
Concen: 0.120 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093969.D
Acq: 11 Sep 2017 18:58

Tgt Ion:112 Resp: 872
Ion Ratio Lower Upper
112 100
64 72.4 57.7 86.5
63 163.4 116.0 174.0



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: 0.066 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

Instrument :

BNA_E

ClientSampleId :

CPS113061

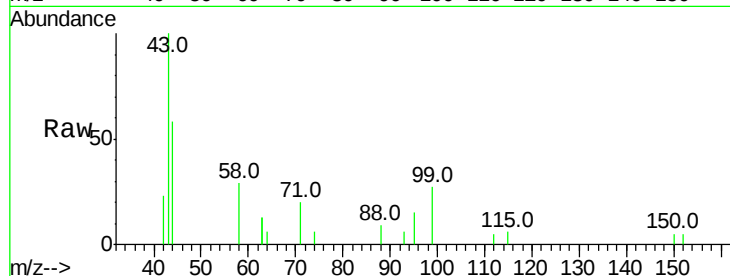
Tot Ion: 99 Resp: 720

Ion Ratio Lower Upper

99 100

42 36.1 17.1 25.7#

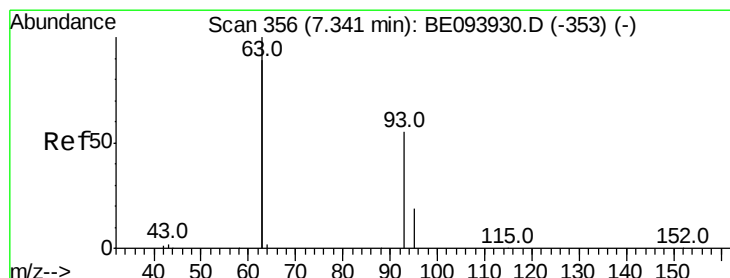
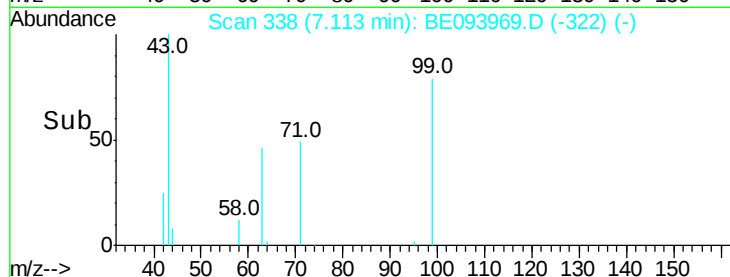
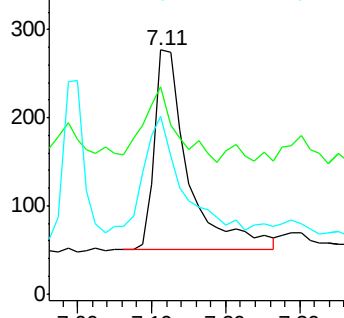
71 68.3 26.6 39.8#



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: 0.024 ng

RT: 7.28 min Scan# 351

Delta R.T. -0.06 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

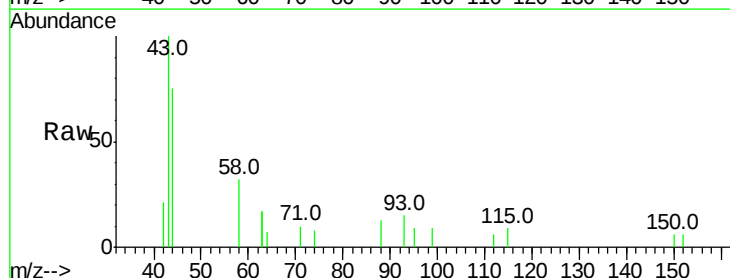
Tgt Ion: 93 Resp: 215

Ion Ratio Lower Upper

93 100

63 55.3 283.4 425.2#

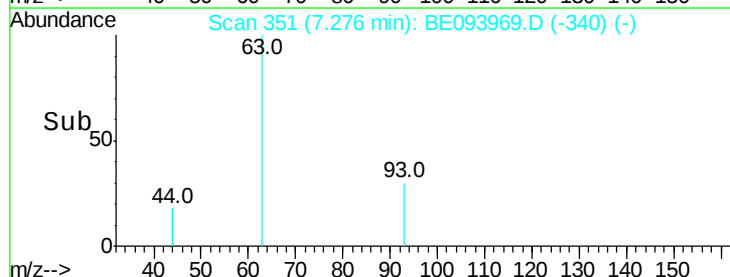
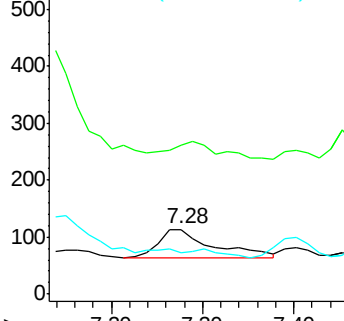
95 0.0 26.9 40.3#

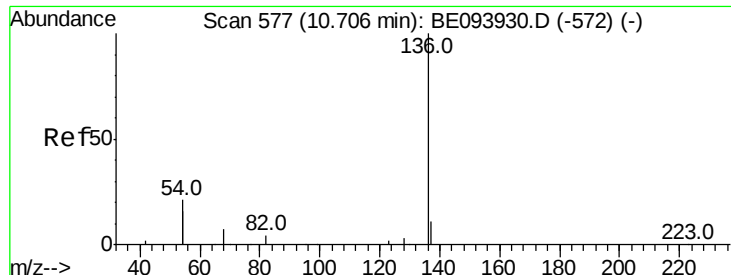


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093969.D

Acq: 11 Sep 2017 18:58

Instrument :

BNA_E

ClientSampleId :

CPS113061

Tot Ion:136 Resp: 11914

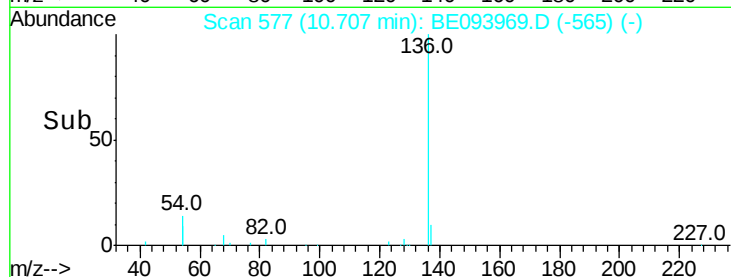
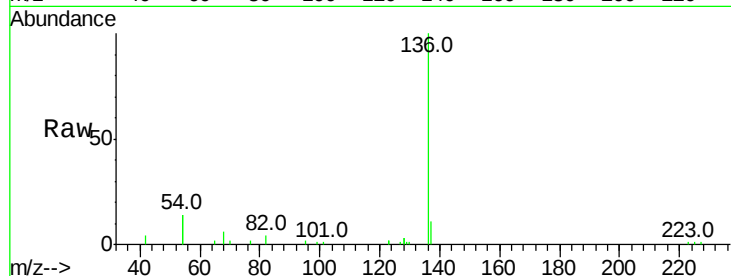
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 27.3 21.9 32.9

68 6.0 4.6 7.0

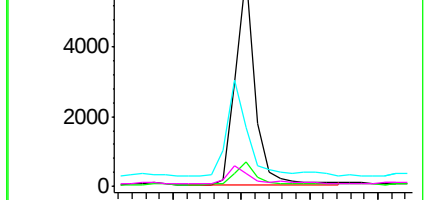


Abundance Ion 136.00 (135.70 to 136.70): E

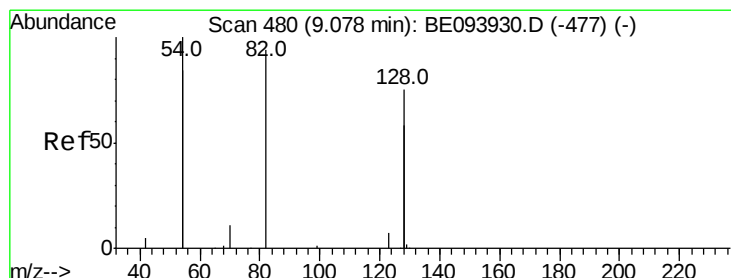
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.300 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

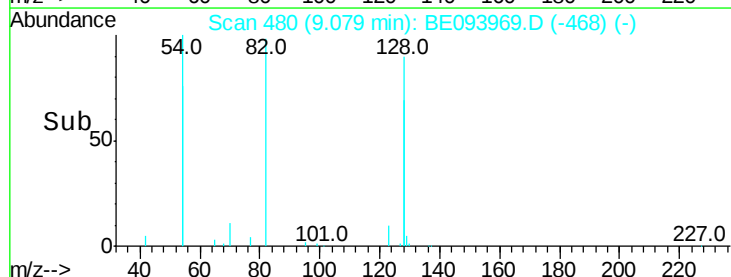
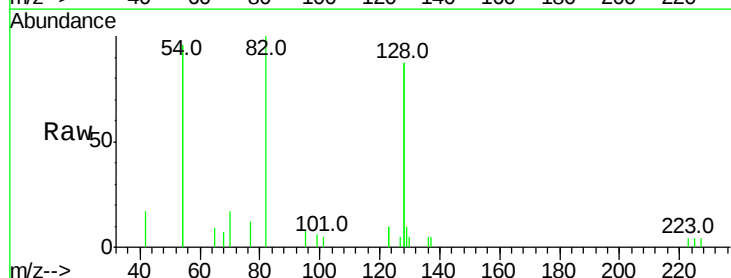
Tgt Ion: 82 Resp: 3023

Ion Ratio Lower Upper

82 100

128 173.3 91.4 137.0#

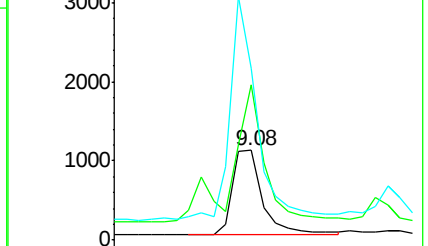
54 191.7 197.8 296.8#



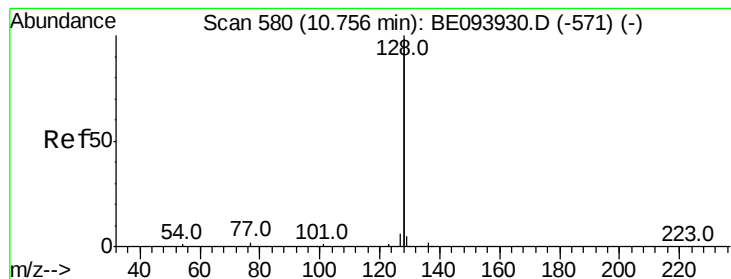
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.040 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

Instrument :

BNA_E

ClientSampleId :

CPS113061

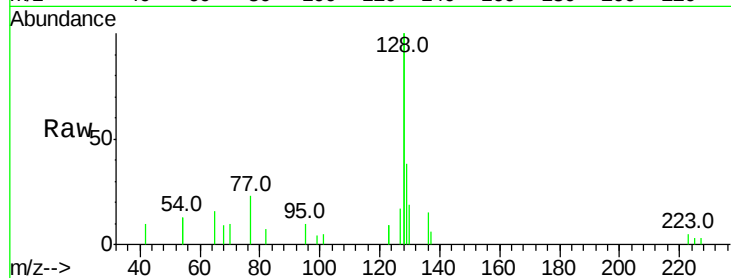
Tot Ion:128 Resp: 5528

Ion Ratio Lower Upper

128 100

129 18.8 2.5 3.7#

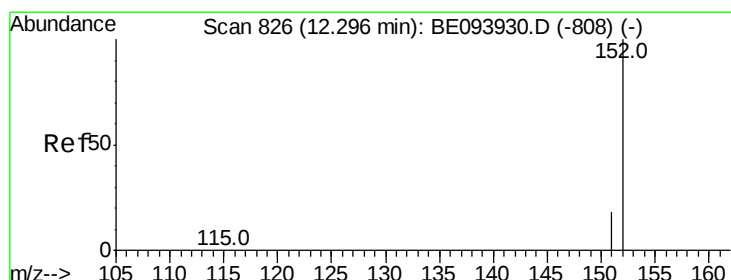
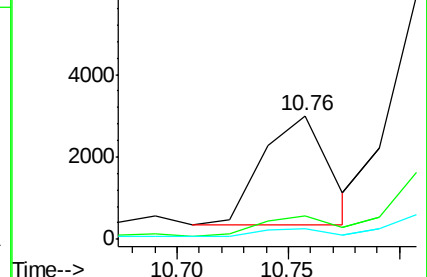
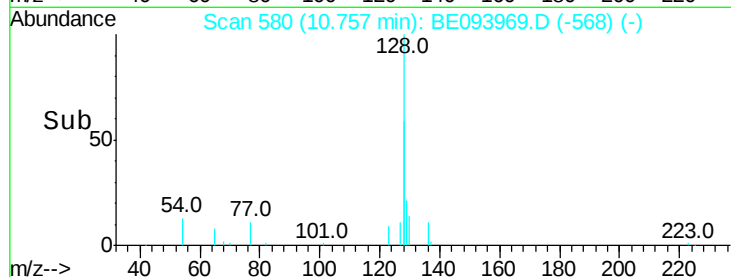
127 8.3 2.6 4.0#



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



#11

2-Methylnaphthalene-d10

Concen: 0.286 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE093969.D

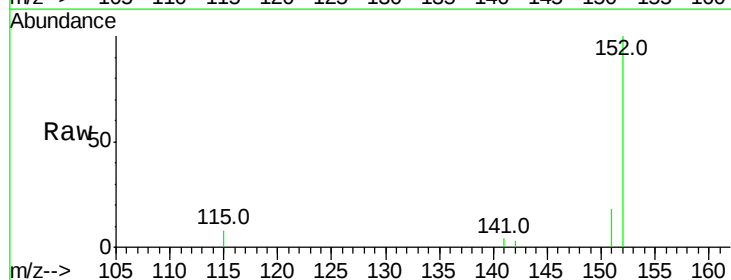
Acq: 11 Sep 2017 18:58

Tgt Ion:152 Resp: 5448

Ion Ratio Lower Upper

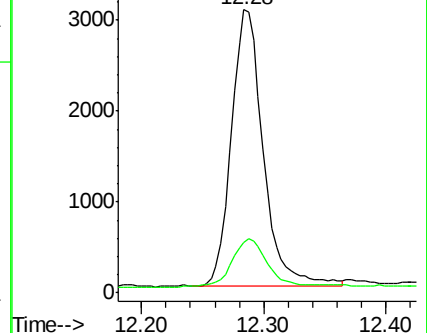
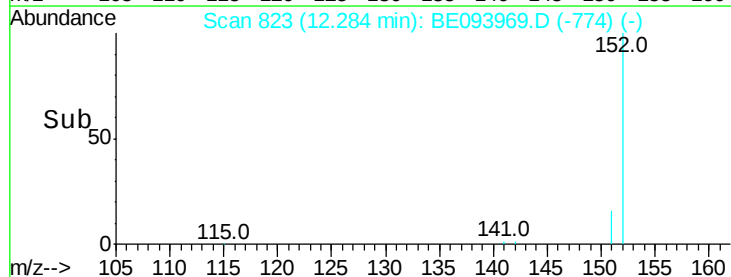
152 100

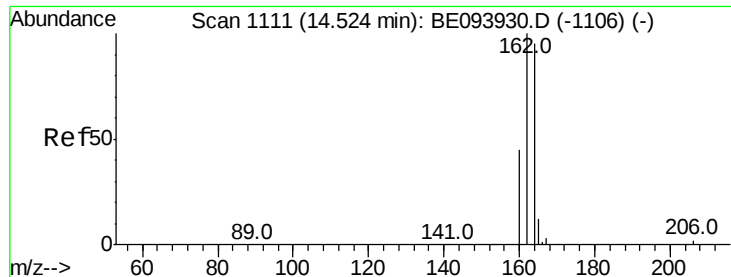
151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

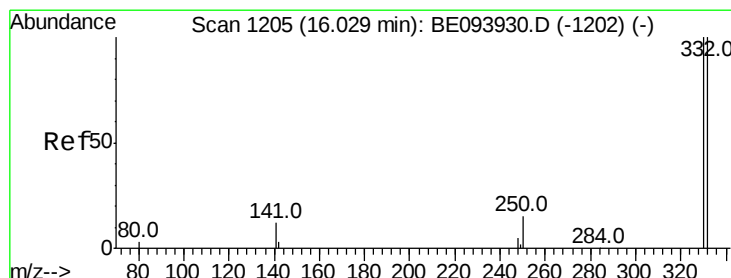
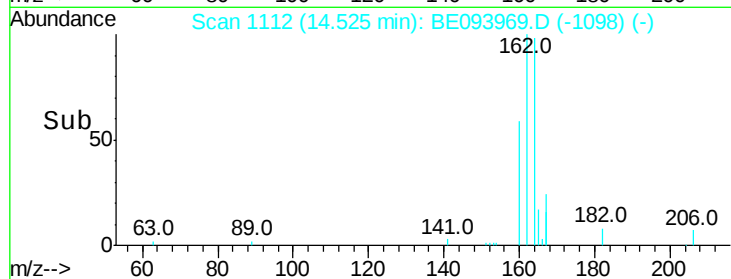
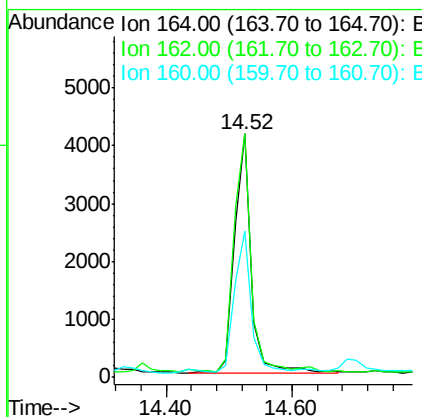
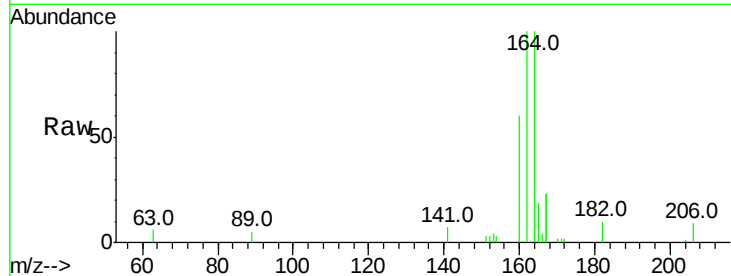




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE093969.D
 Acq: 11 Sep 2017 18:58

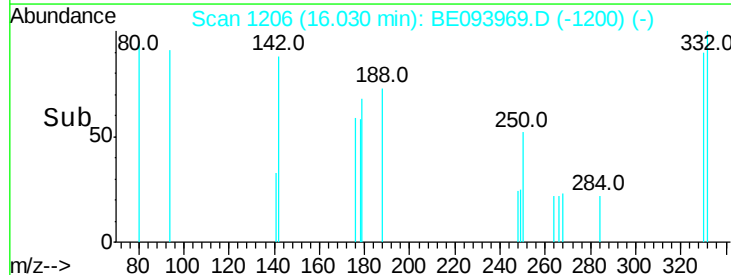
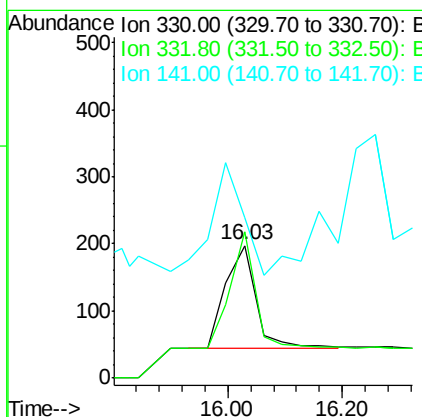
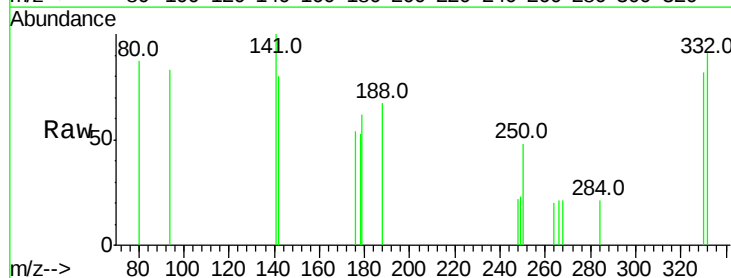
Instrument :
 BNA_E
 ClientSampled :
 CPS113061

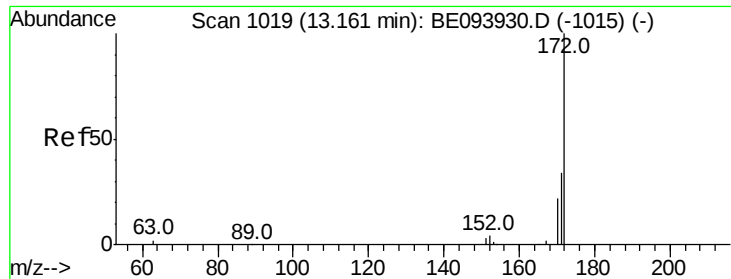
Tot Ion:164 Resp: 7556
 Ion Ratio Lower Upper
 164 100
 162 100.2 80.8 121.2
 160 60.2 37.0 55.4#



#14
 2,4,6-Tribromophenol
 Concen: 0.242 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093969.D
 Acq: 11 Sep 2017 18:58

Tgt Ion:330 Resp: 567
 Ion Ratio Lower Upper
 330 100
 332 94.5 76.9 115.3
 141 0.0 0.0 0.0

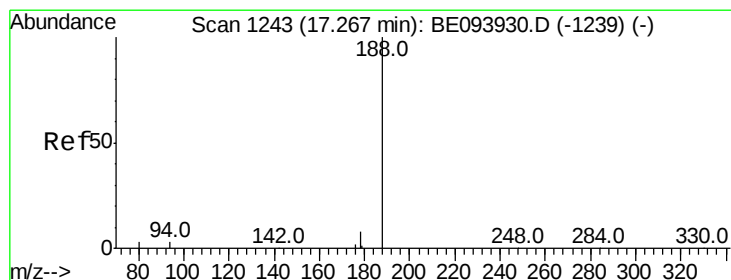
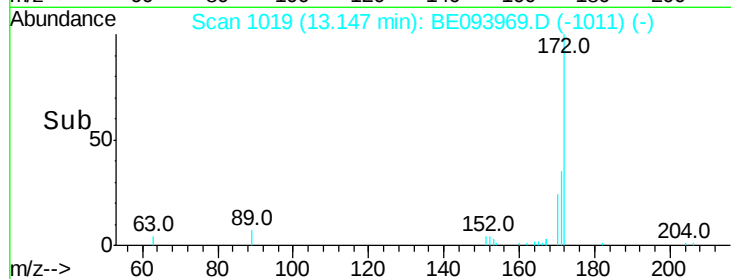
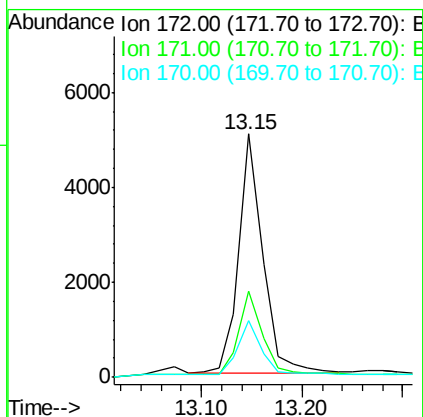
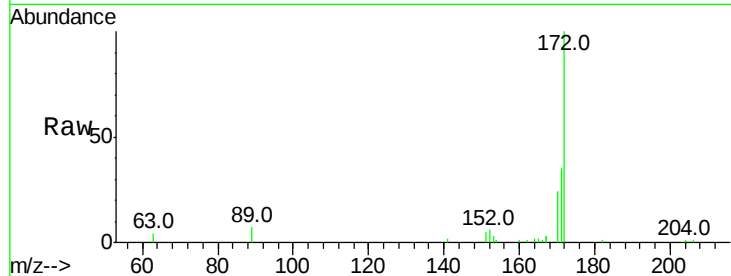




#15
2-Fluorobiphenyl
Concen: 0.281 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093969.D
Acq: 11 Sep 2017 18:58

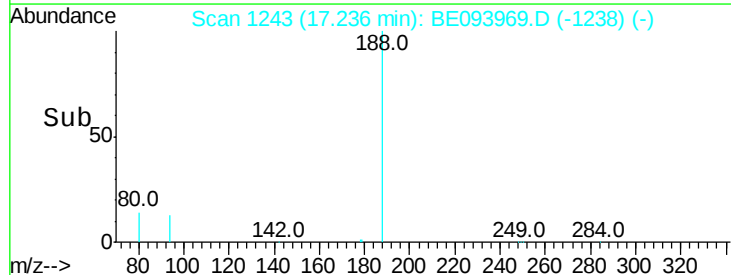
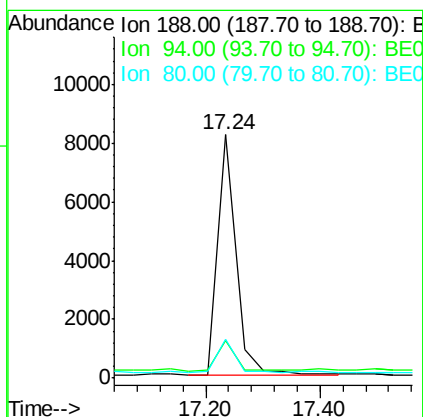
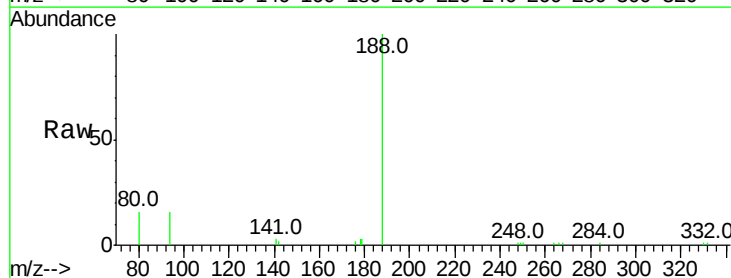
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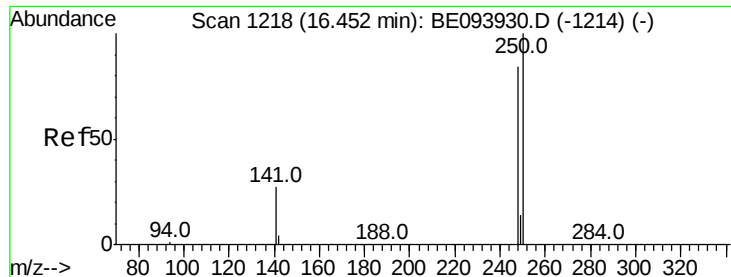
Tot Ion:172 Resp: 8394
Ion Ratio Lower Upper
172 100
171 35.3 26.9 40.3
170 23.5 17.3 25.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE093969.D
Acq: 11 Sep 2017 18:58

Tgt Ion:188 Resp: 18320
Ion Ratio Lower Upper
188 100
94 15.7 16.1 24.1#
80 15.9 18.2 27.2#

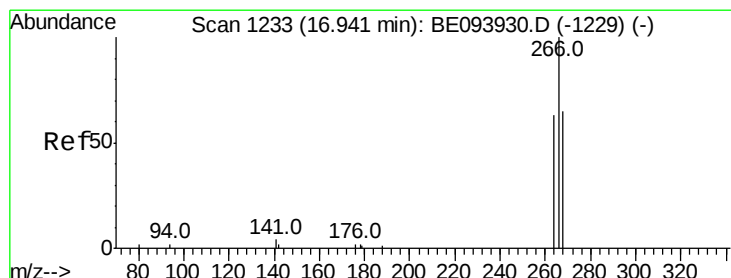
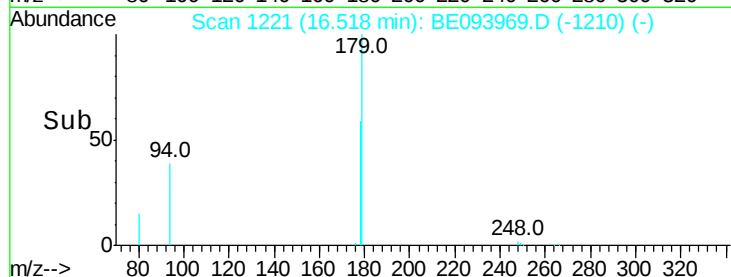
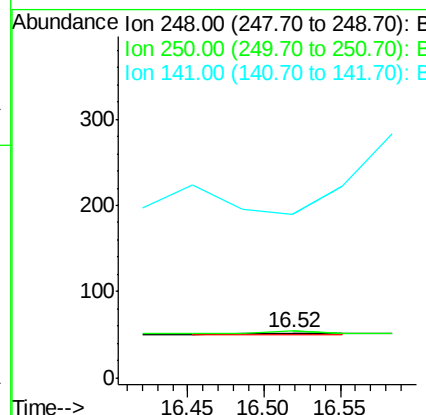
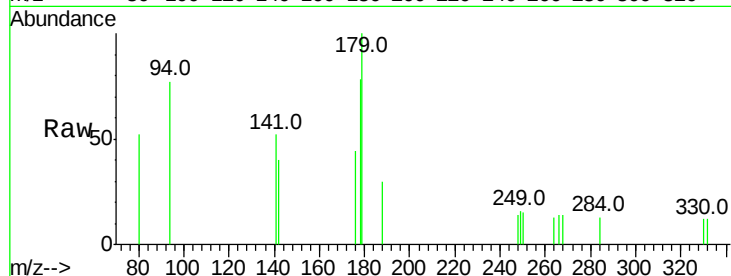




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.52 min Scan# 1221
Delta R.T. 0.07 min
Lab File: BE093969.D
Acq: 11 Sep 2017 18:58

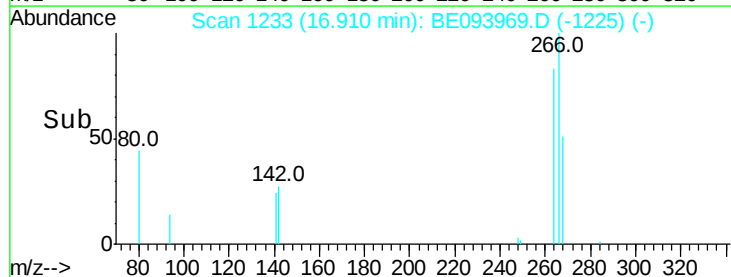
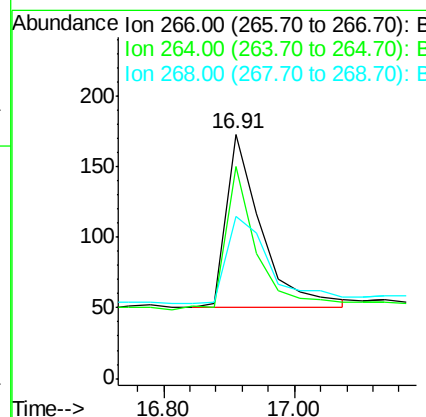
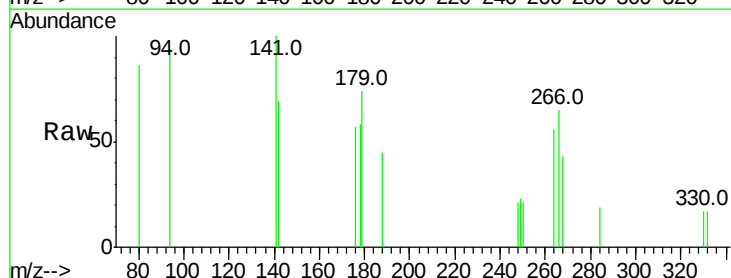
Instrument :
BNA_E
ClientSampleId :
CPS113061

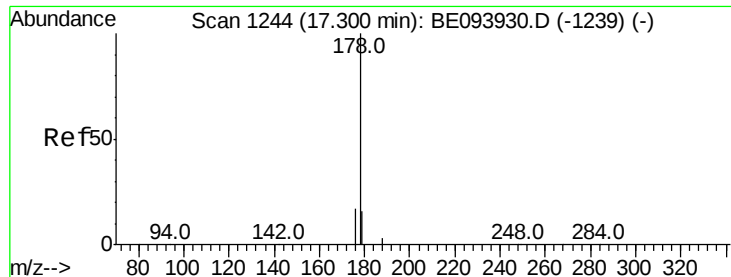
Tot Ion:248 Resp: 8
Ion Ratio Lower Upper
248 100
250 105.8 111.8 167.8#
141 365.4 27.1 40.7#



#22
Pentachlorophenol
Concen: 0.160 ng
RT: 16.91 min Scan# 1233
Delta R.T. -0.03 min
Lab File: BE093969.D
Acq: 11 Sep 2017 18:58

Tgt Ion:266 Resp: 465
Ion Ratio Lower Upper
266 100
264 86.7 53.5 80.3#
268 66.5 60.0 90.0





#23

Phenanthrene

Concen: Below Cal

RT: 17.37 min Scan# 1247

Delta R.T. 0.07 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

Instrument :

BNA_E

ClientSampleId :

CPS113061

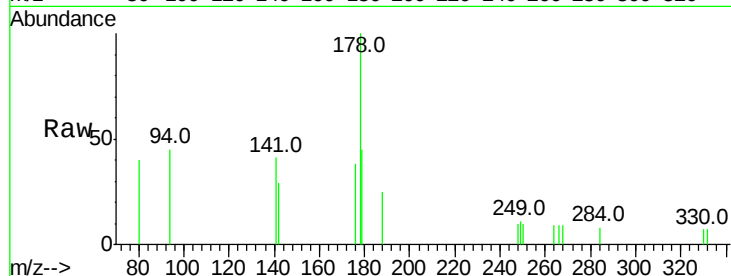
Tot Ion:178 Resp: 3043

Ion Ratio Lower Upper

178 100

176 8.9 0.0 0.0#

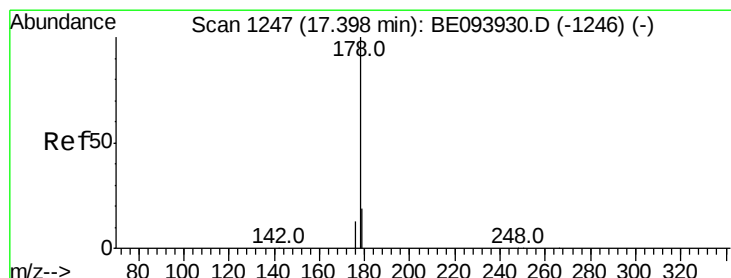
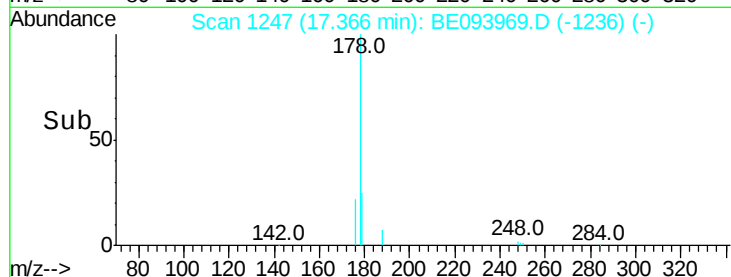
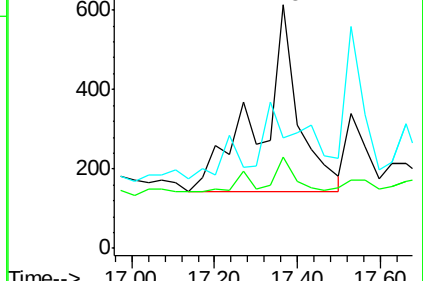
179 0.0 12.6 18.8#



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



#24

Anthracene

Concen: 0.055 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

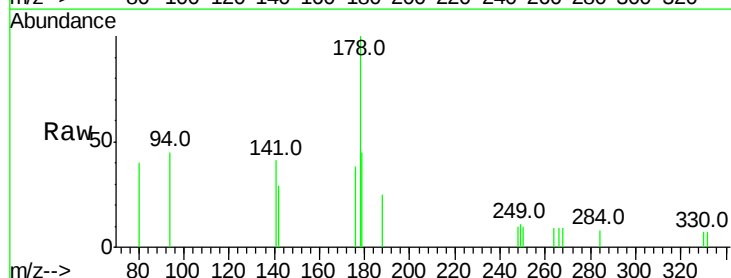
Tgt Ion:178 Resp: 3043

Ion Ratio Lower Upper

178 100

176 8.9 16.0 24.0#

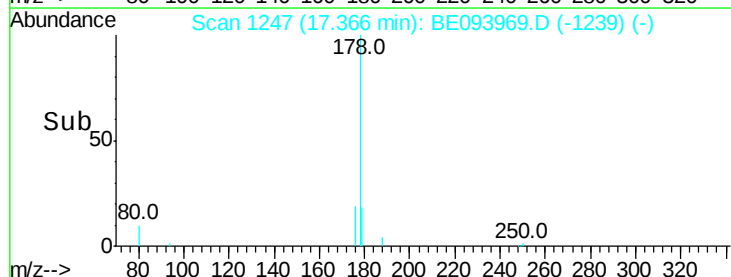
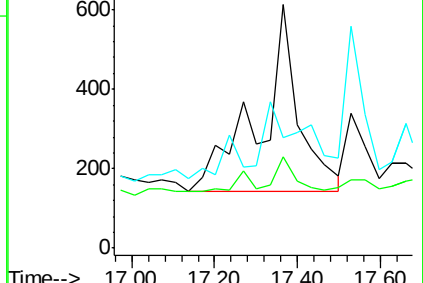
179 0.0 0.0 0.0

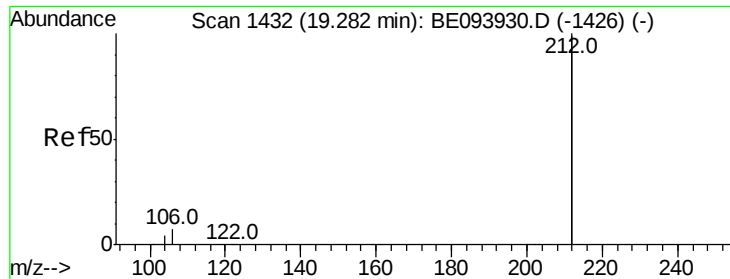


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

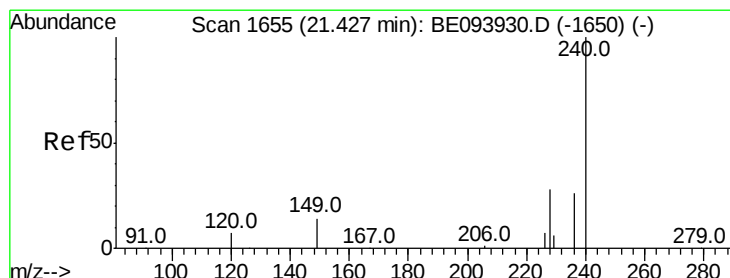
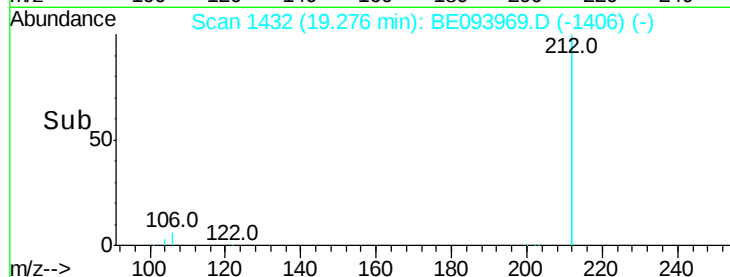
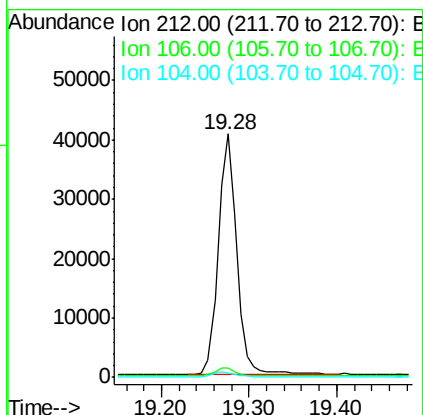
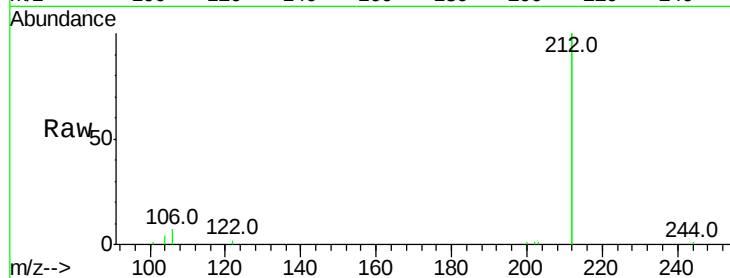




#25
 Fluoranthene-d10
 Concen: 0.217 ng
 RT: 19.28 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE093969.D
 Acq: 11 Sep 2017 18:58

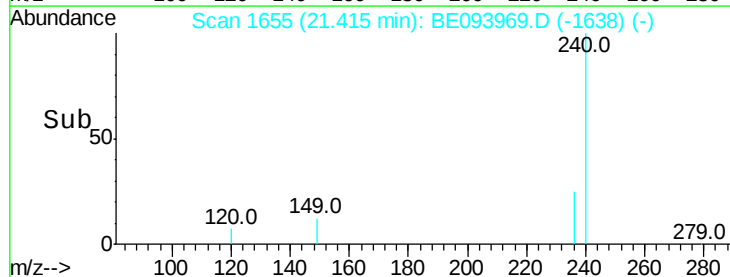
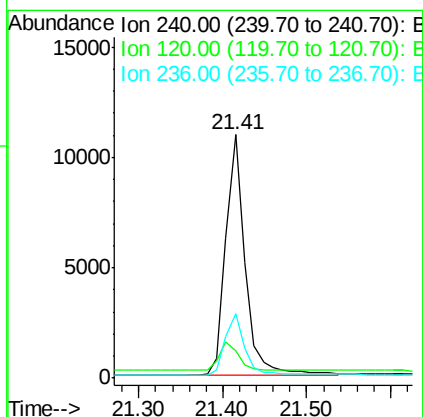
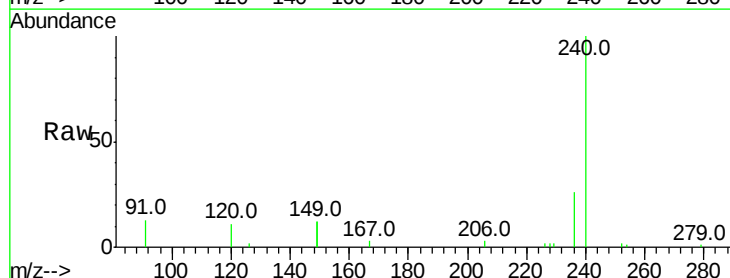
Instrument :
 BNA_E
 ClientSampleId :
 CPS113061

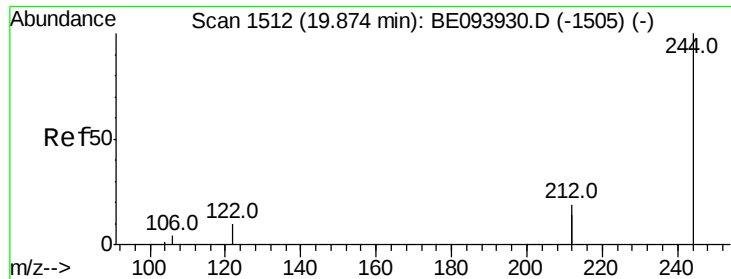
Tot Ion:212 Resp: 59268
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.7 4.1
 104 2.0 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093969.D
 Acq: 11 Sep 2017 18:58

Tgt Ion:240 Resp: 17331
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.7 13.1
 236 26.3 21.3 31.9





#29

Terphenyl-d14

Concen: 0.500 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

Instrument :

BNA_E

ClientSampleId :

CPS113061

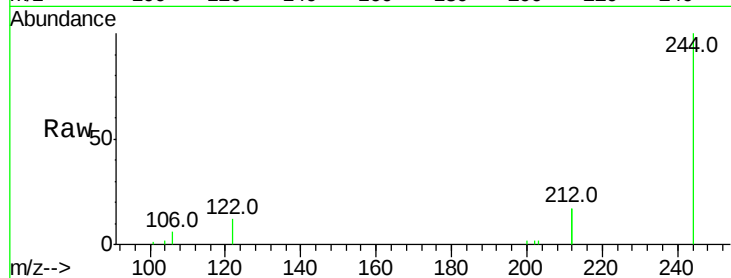
Tot Ion:244 Resp: 15954

Ion Ratio Lower Upper

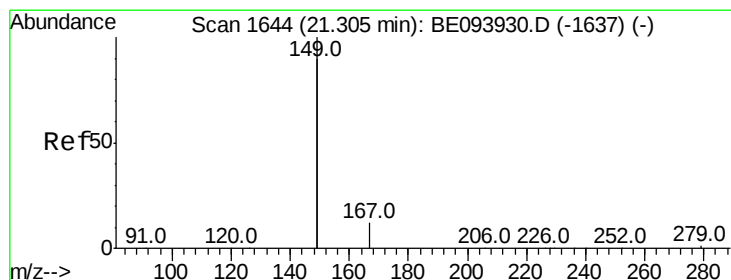
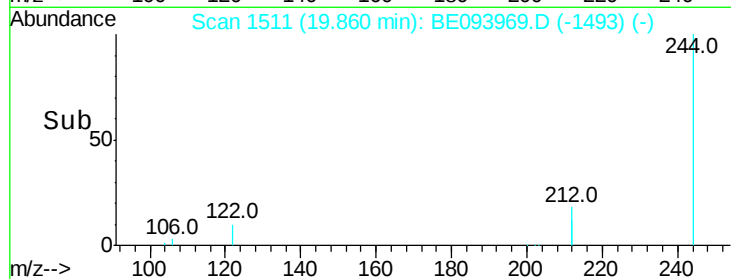
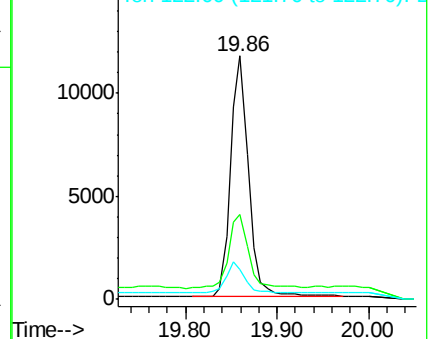
244 100

212 34.8 28.3 42.5

122 12.5 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: 2.151 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

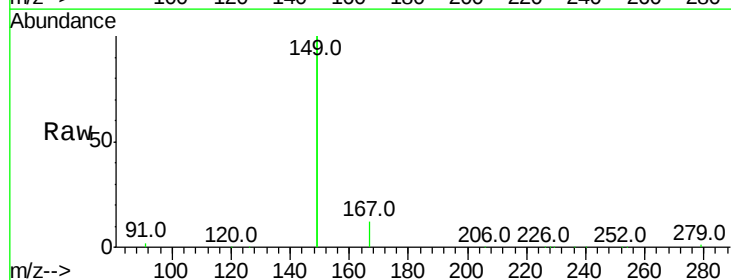
Tgt Ion:149 Resp: 278004

Ion Ratio Lower Upper

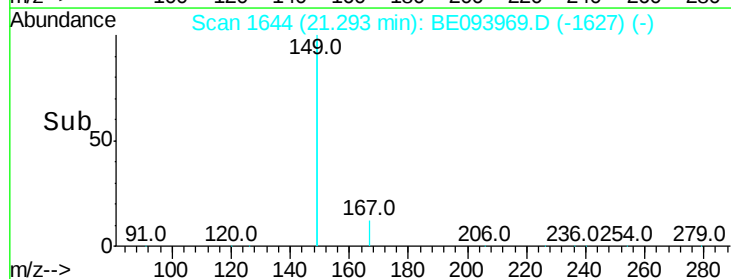
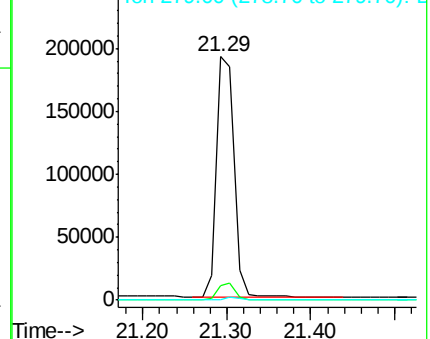
149 100

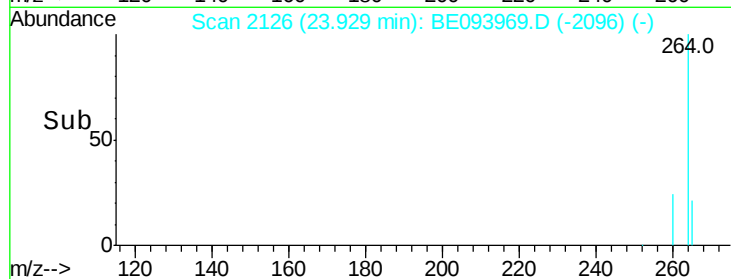
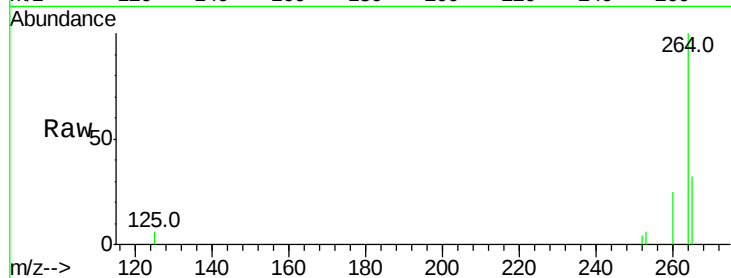
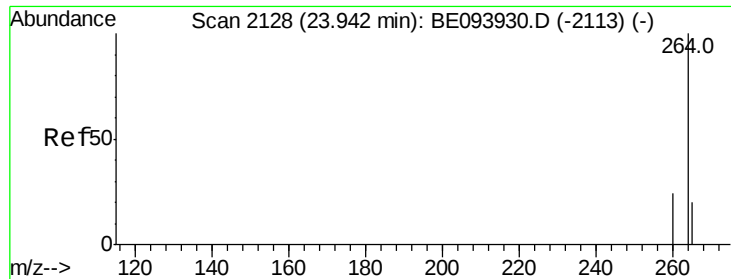
167 6.7 5.4 8.0

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: 23.93 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BE093969.D

Acq: 11 Sep 2017 18:58

Instrument :

BNA_E

ClientSampleId :

CPS113061

Tot Ion:264 Resp: 14438

Ion Ratio Lower Upper

264 100

260 25.3 20.0 30.0

265 31.6 24.0 36.0

