

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093911.D
 Acq On : 1 Sep 2017 20:41
 Operator : SJ/JU
 Sample : I4963-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3826-SPP3

Quant Time: Sep 02 01:21:11 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

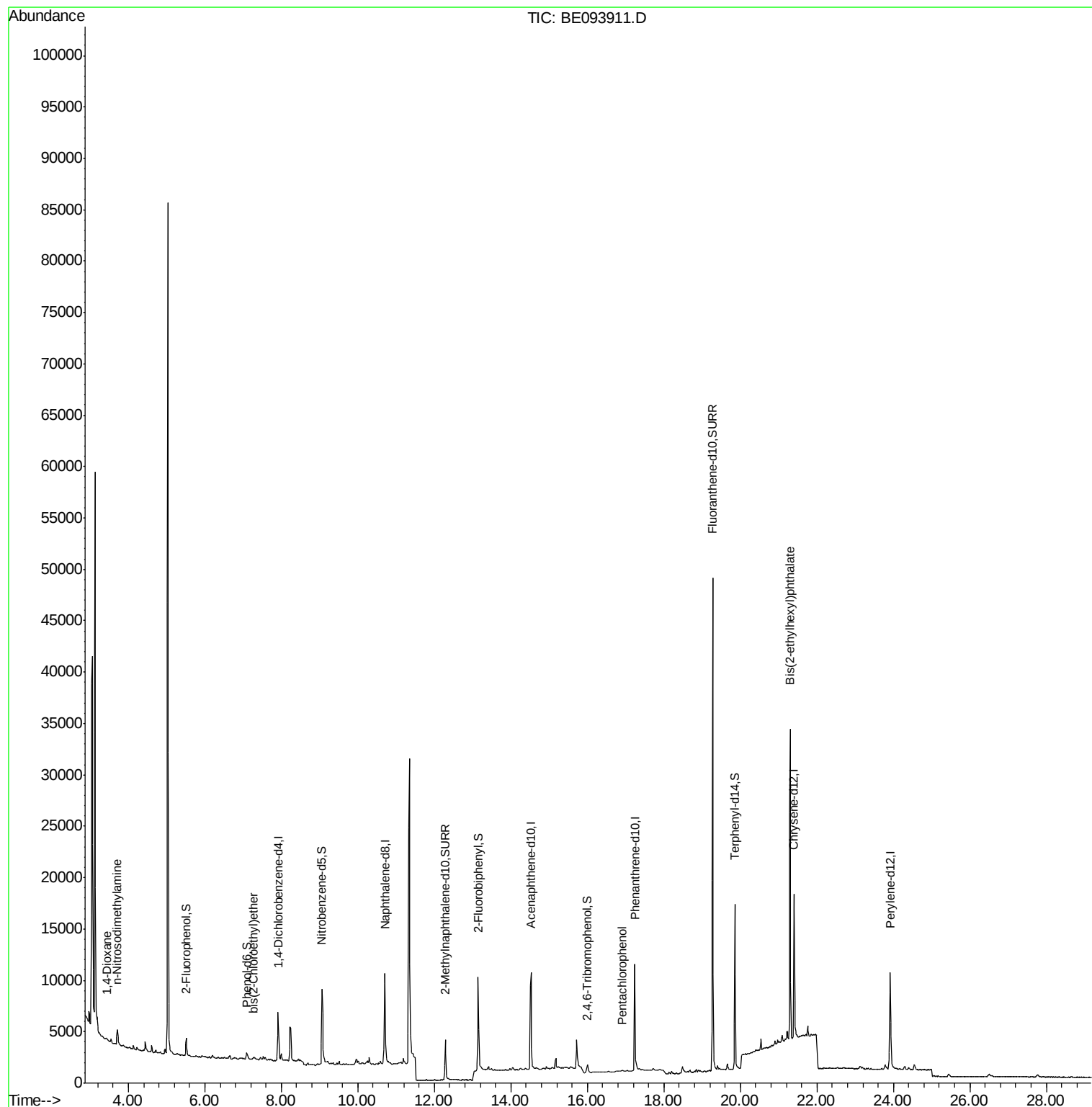
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2387	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	12509	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7070	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18361	0.40	ng	0.00
27) Chrysene-d12	21.40	240	17436	0.40	ng	-0.01
34) Perylene-d12	23.92	264	15321	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1042	0.14	ng	0.00
5) Phenol-d6	7.10	99	942	0.08	ng	0.00
8) Nitrobenzene-d5	9.06	82	3738	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	6425	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	790	0.42	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9581	0.34	ng	-0.01
25) Fluoranthene-d10	19.27	212	65573	0.31	ng	0.00
29) Terphenyl-d14	19.86	244	14776	0.47	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.44	88	149	0.045	ng	# 1
3) n-Nitrosodimethylamine	3.71	42	160	0.044	ng	# 1
6) bis(2-Chloroethyl)ether	7.26	93	427	0.049	ng	# 1
20) 4-Bromophenyl-phenylether	16.42	248	29	Below Cal	#	18
21) Hexachlorobenzene	16.55	284	12	Below Cal	#	100
22) Pentachlorophenol	16.91	266	96	0.033	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.30	149	37977	0.348	ng	100

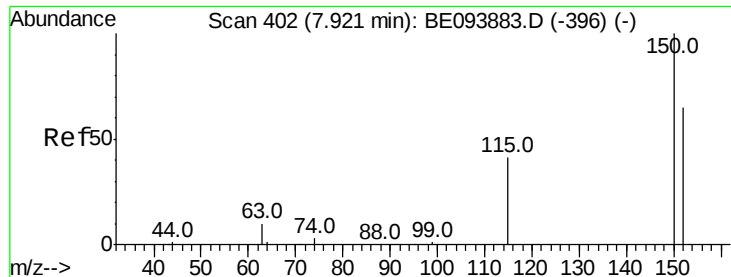
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
Data File : BE093911.D
Acq On : 1 Sep 2017 20:41
Operator : SJ/JU
Sample : I4963-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
3826-SPP3

Quant Time: Sep 02 01:21:11 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



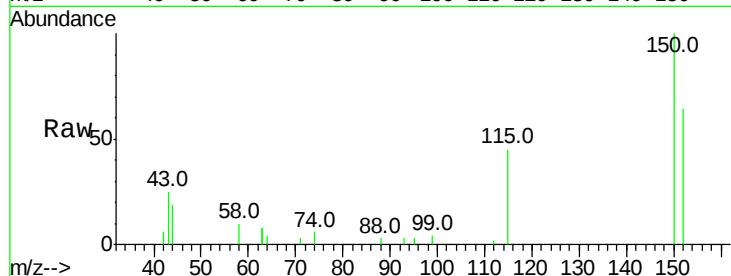


#1

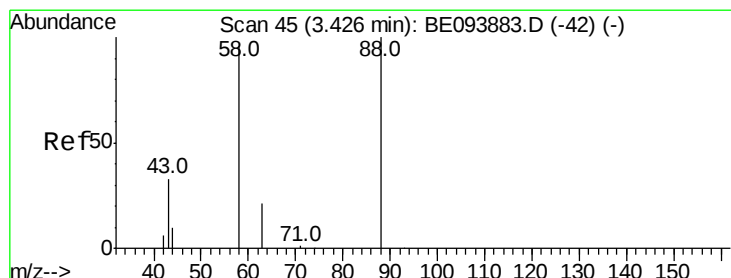
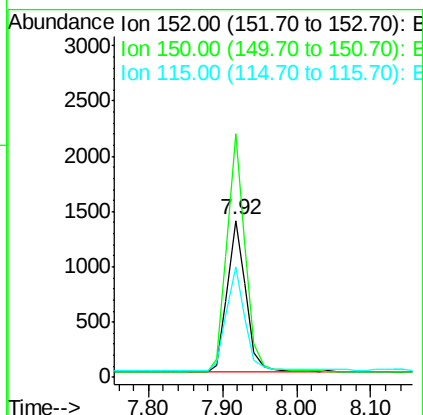
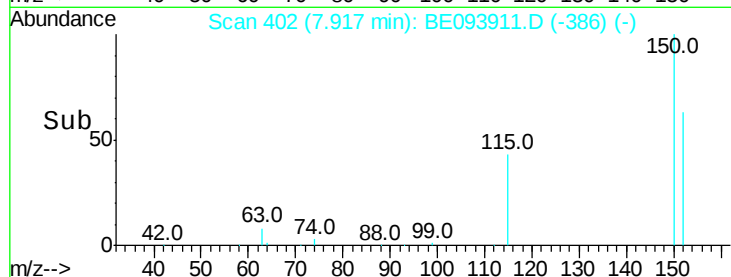
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093911.D
Acq: 1 Sep 2017 20:41

Instrument :
BNA_E
ClientSampleId :
3826-SPP3

Tot Ion:152 Resp: 2387
Ion Ratio Lower Upper
152 100
150 155.3 121.8 182.6
115 70.4 52.6 79.0



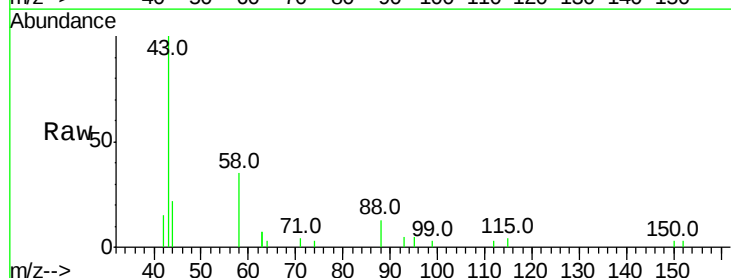
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



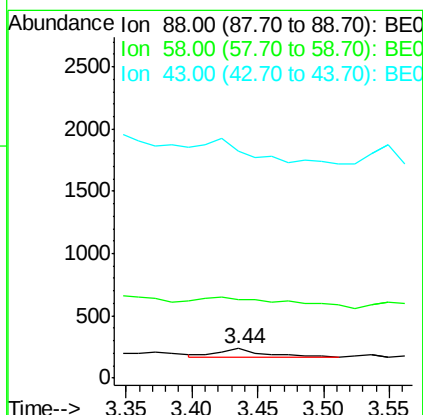
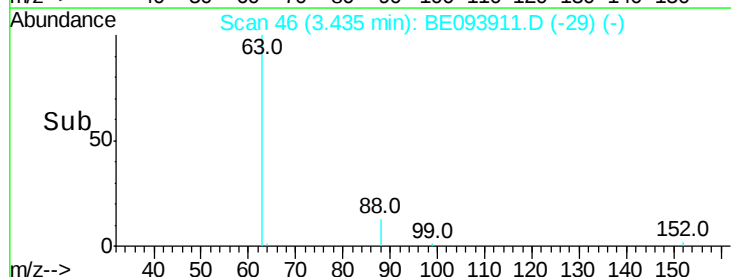
#2

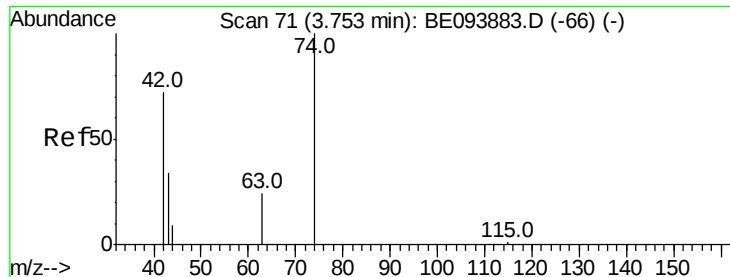
1,4-Dioxane
Concen: 0.045 ng
RT: 3.44 min Scan# 46
Delta R.T. 0.01 min
Lab File: BE093911.D
Acq: 1 Sep 2017 20:41

Tgt Ion: 88 Resp: 149
Ion Ratio Lower Upper
88 100
58 253.0 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

n-Nitrosodimethylamine

Concen: 0.044 ng

RT: 3.71 min Scan# 68

Delta R.T. -0.04 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampleId :

3826-SPP3

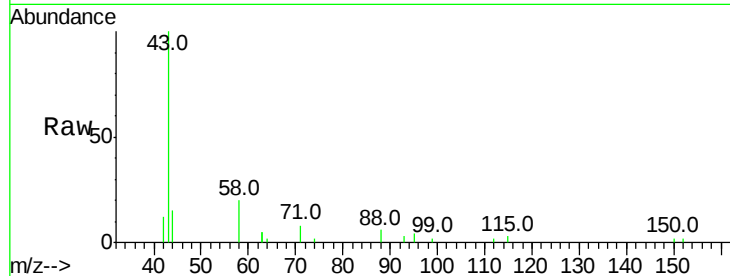
Tot Ion: 42 Resp: 160

Ion Ratio Lower Upper

42 100

74 0.0 104.0 156.0#

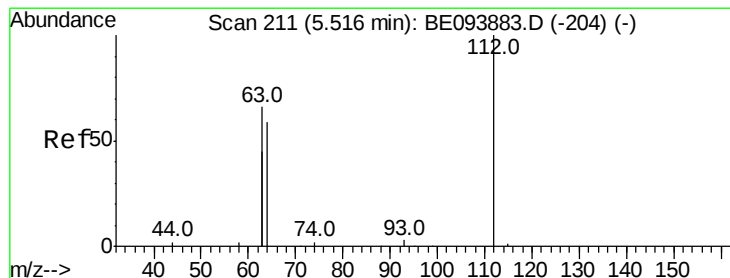
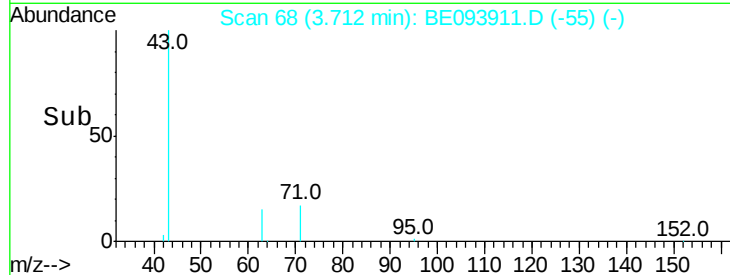
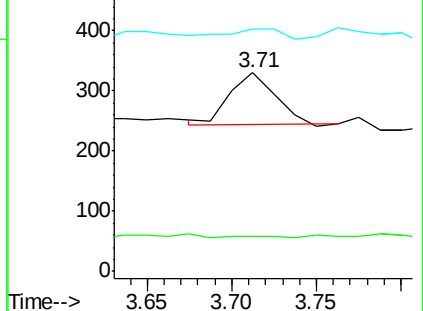
44 16.3 13.8 20.8



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: 0.142 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

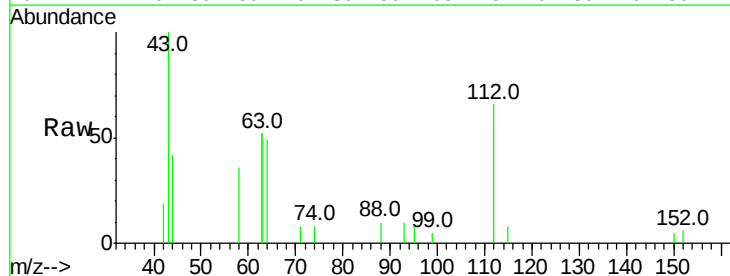
Tgt Ion: 112 Resp: 1042

Ion Ratio Lower Upper

112 100

64 74.3 57.7 86.5

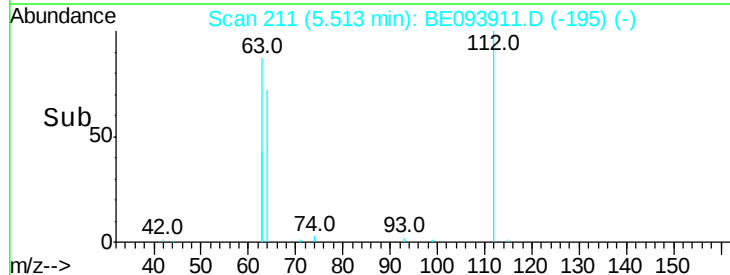
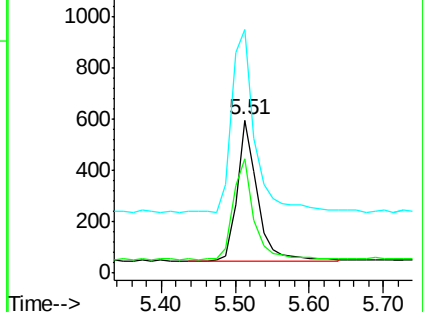
63 153.3 116.0 174.0

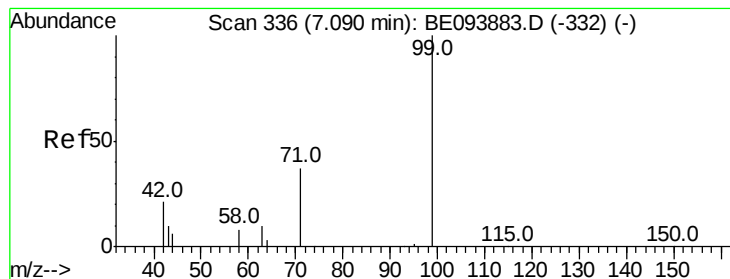


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.084 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampled :

3826-SPP3

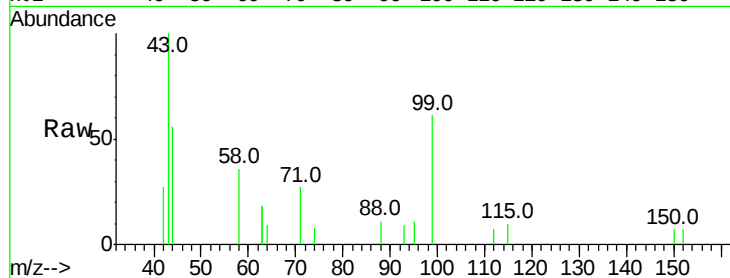
Tot Ion: 99 Resp: 942

Ion Ratio Lower Upper

99 100

42 29.7 17.1 25.7#

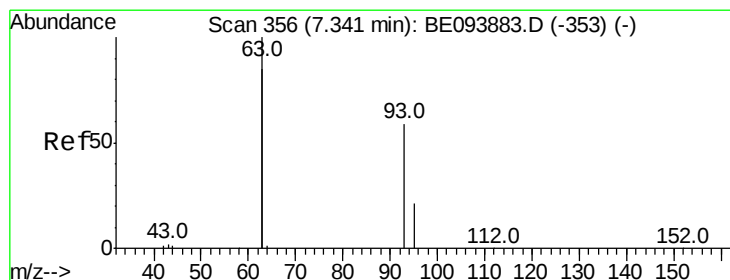
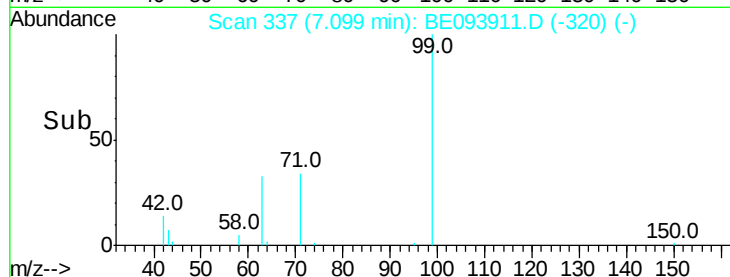
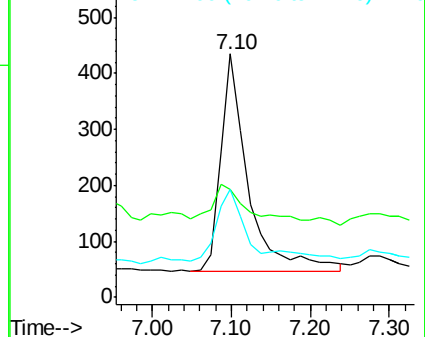
71 32.2 26.6 39.8



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: 0.049 ng

RT: 7.26 min Scan# 350

Delta R.T. -0.08 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

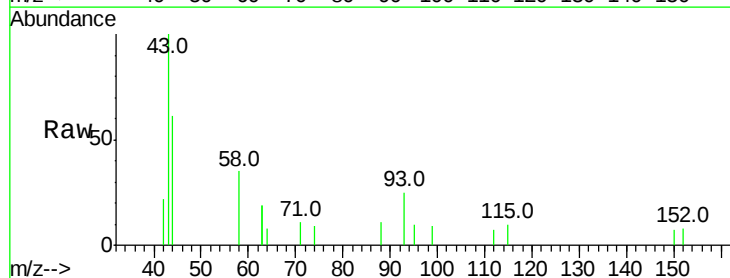
Tgt Ion: 93 Resp: 427

Ion Ratio Lower Upper

93 100

63 16.2 283.4 425.2#

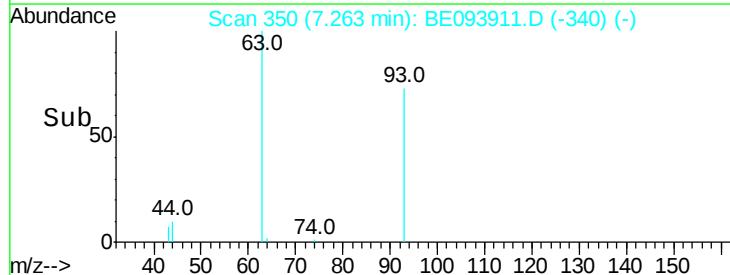
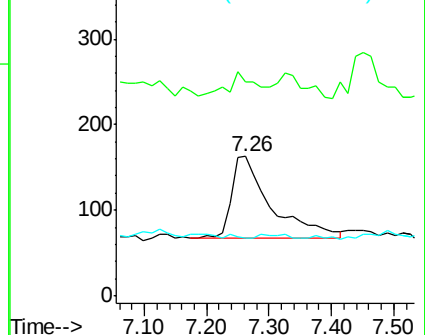
95 0.0 26.9 40.3#

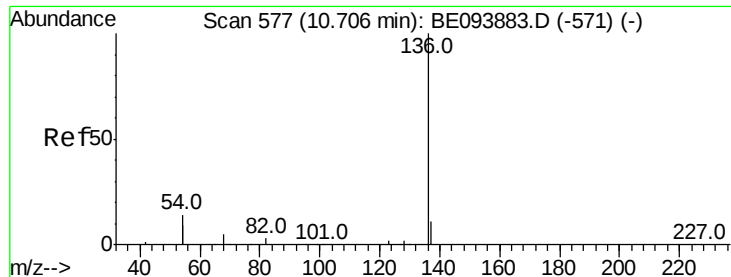


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampleId :

3826-SPP3

Tot Ion:136 Resp: 12509

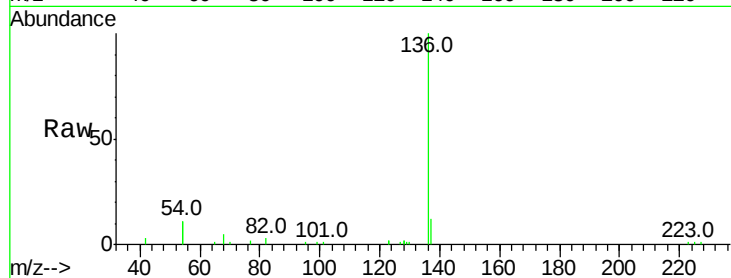
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 22.3 21.9 32.9

68 4.9 4.6 7.0

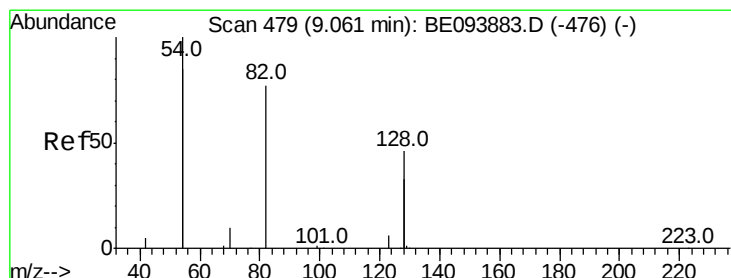
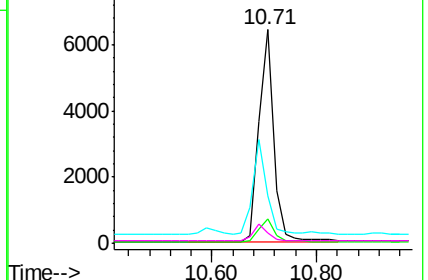
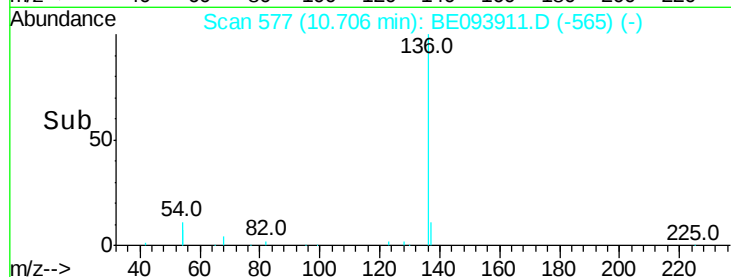


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.359 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

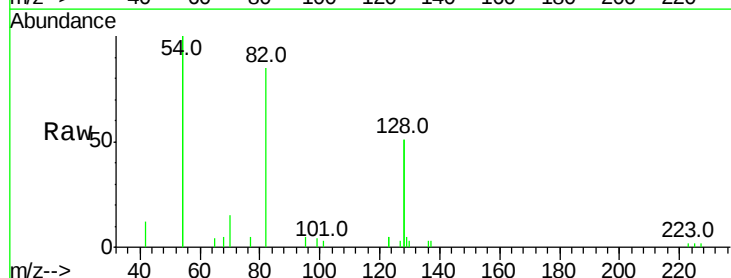
Tgt Ion: 82 Resp: 3738

Ion Ratio Lower Upper

82 100

128 120.0 91.4 137.0

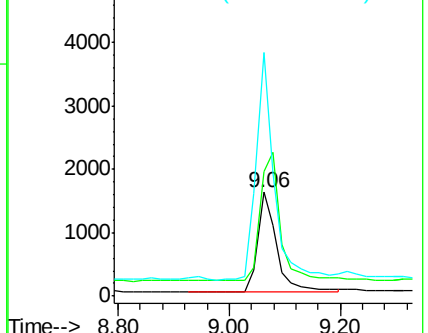
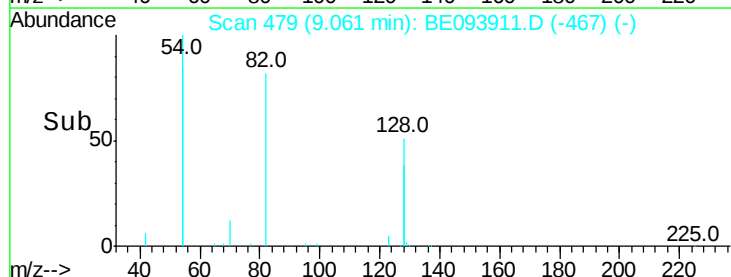
54 234.0 197.8 296.8

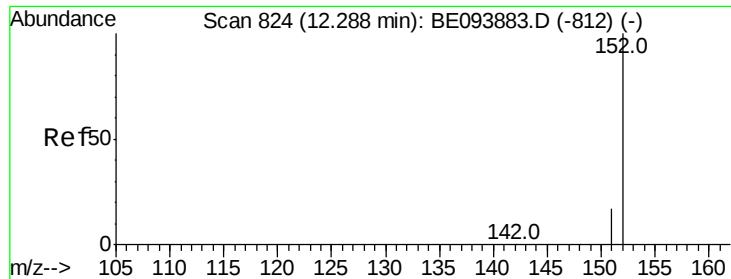


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.325 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampleId :

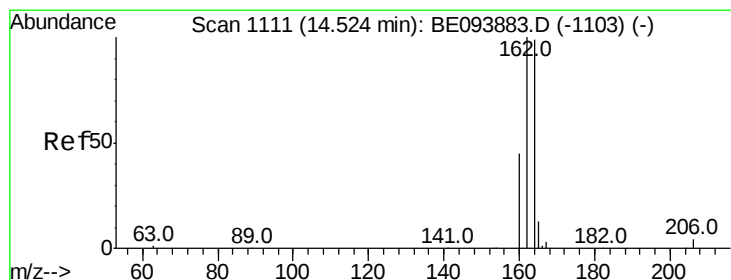
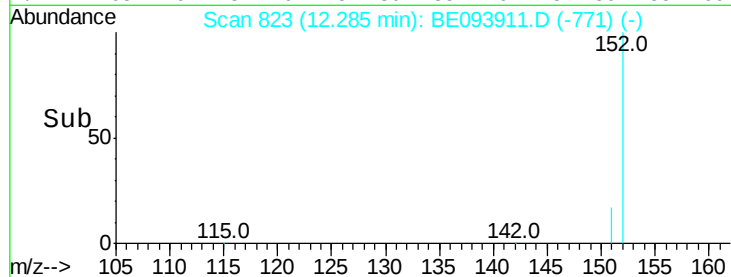
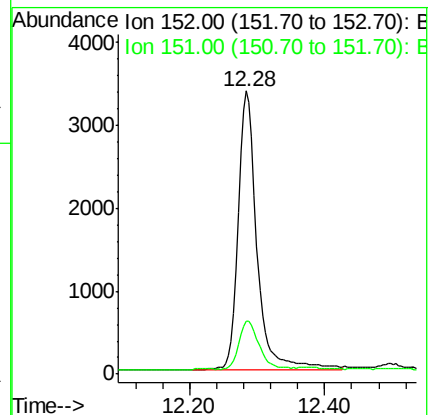
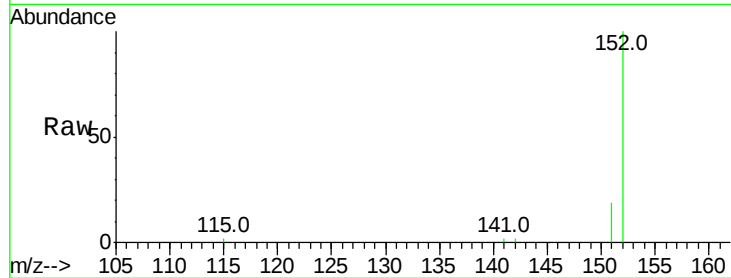
3826-SPP3

Tot Ion:152 Resp: 6425

Ion Ratio Lower Upper

152 100

151 18.6 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: BE093911.D

Acq: 1 Sep 2017 20:41

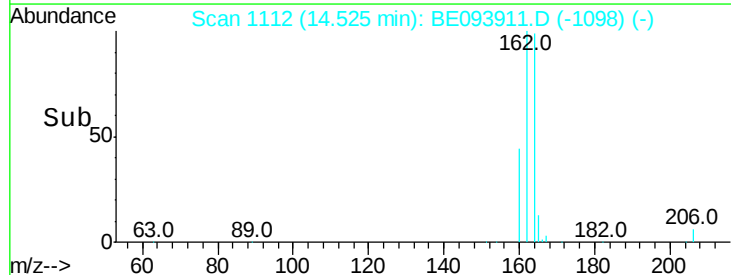
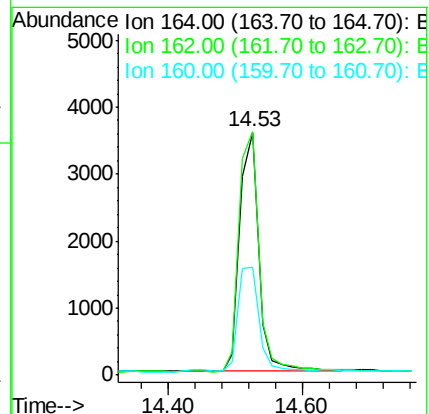
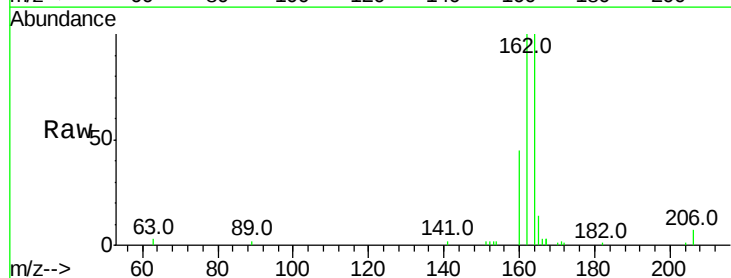
Tgt Ion:164 Resp: 7070

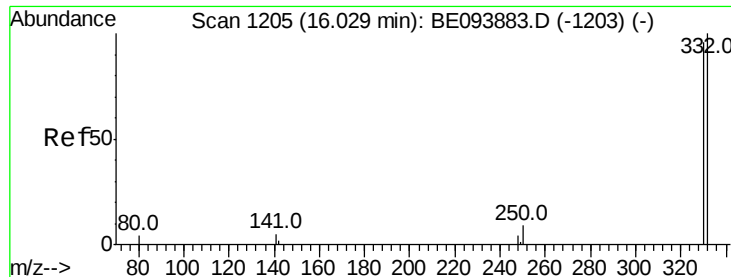
Ion Ratio Lower Upper

164 100

162 100.4 80.8 121.2

160 44.8 37.0 55.4

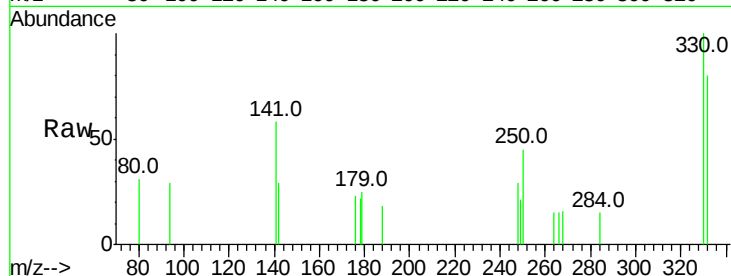




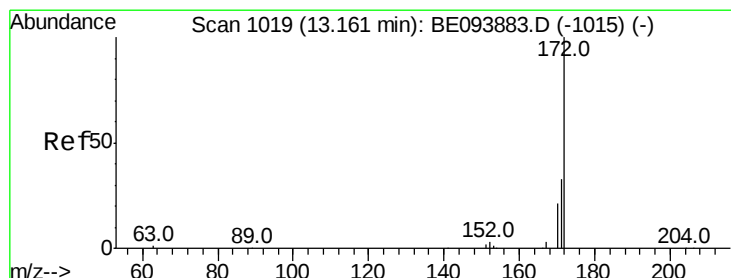
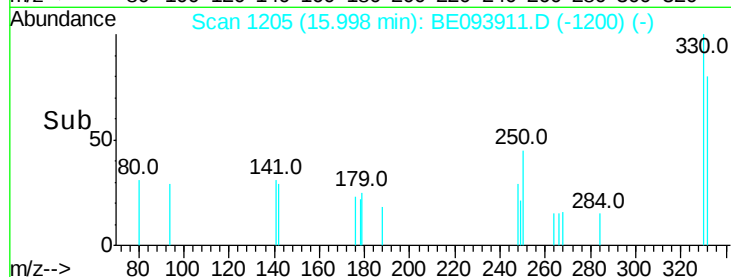
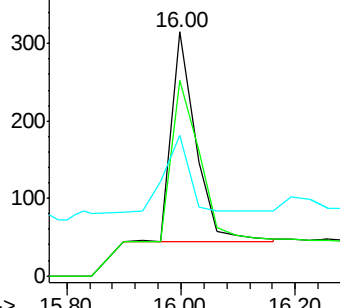
#14
2,4,6-Tribromophenol
Concen: 0.417 ng
RT: 16.00 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BE093911.D
Acq: 1 Sep 2017 20:41

Instrument :
BNA_E
ClientSampleId :
3826-SPP3

Tot Ion:330 Resp: 790
Ion Ratio Lower Upper
330 100
332 89.6 76.9 115.3
141 37.1 0.0 0.0#

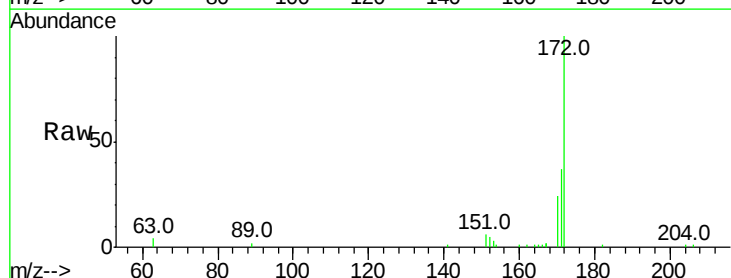


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

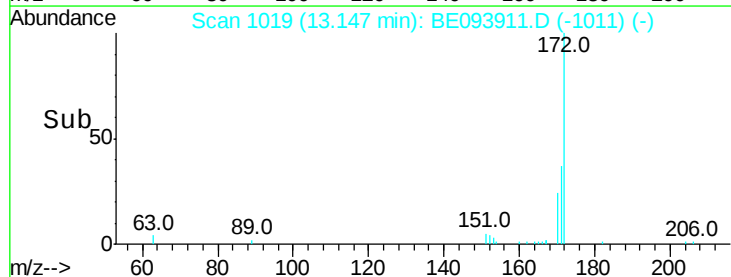
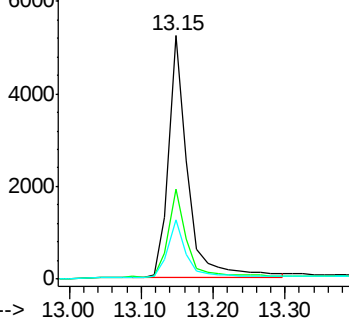


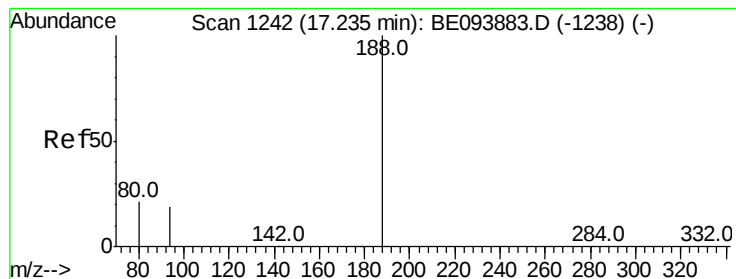
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093911.D
Acq: 1 Sep 2017 20:41

Tgt Ion:172 Resp: 9581
Ion Ratio Lower Upper
172 100
171 36.9 26.9 40.3
170 24.2 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: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampleId :

3826-SPP3

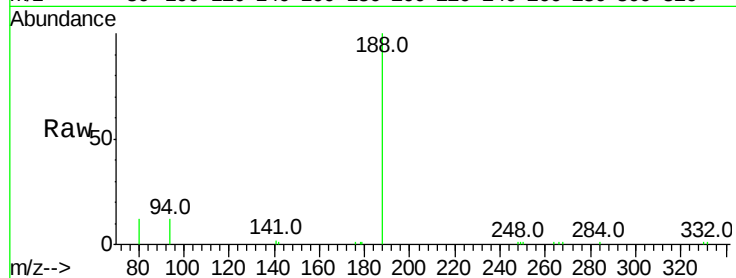
Tot Ion:188 Resp: 18361

Ion Ratio Lower Upper

188 100

94 11.8 16.1 24.1#

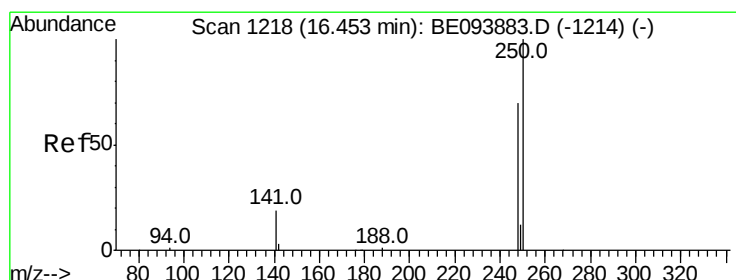
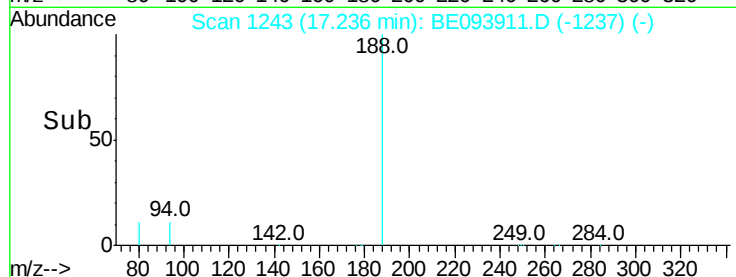
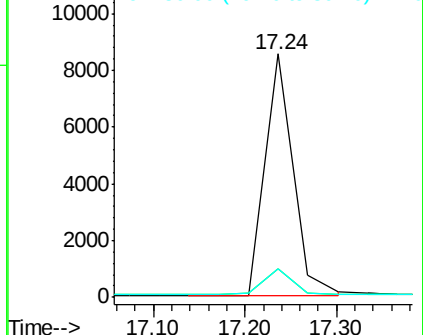
80 11.8 18.2 27.2#



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: BE093911.D

Acq: 1 Sep 2017 20:41

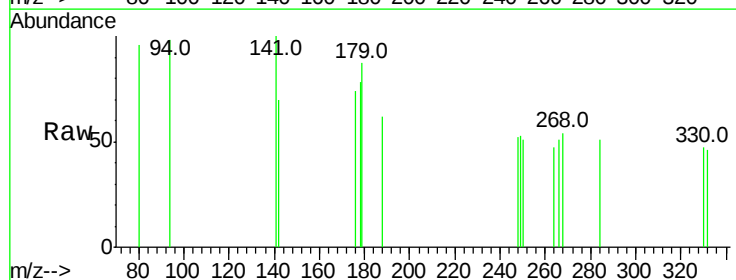
Tgt Ion:248 Resp: 29

Ion Ratio Lower Upper

248 100

250 98.0 111.8 167.8#

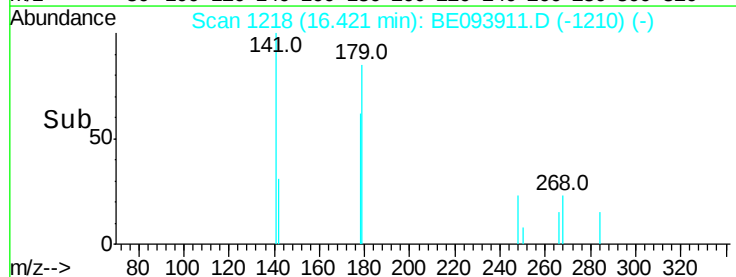
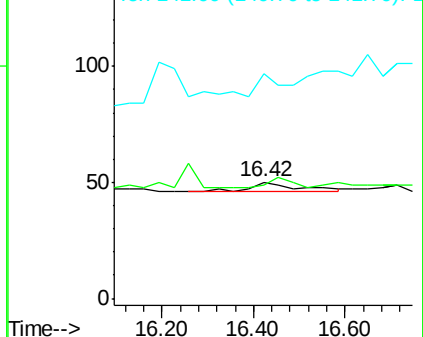
141 194.0 27.1 40.7#

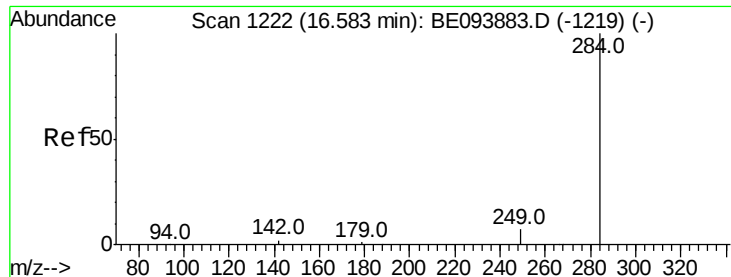


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampleId :

3826-SPP3

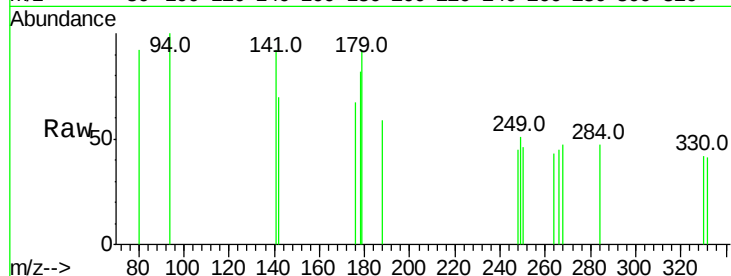
Tot Ion:284 Resp: 12

Ion Ratio Lower Upper

284 100

142 116.7 0.0 0.0#

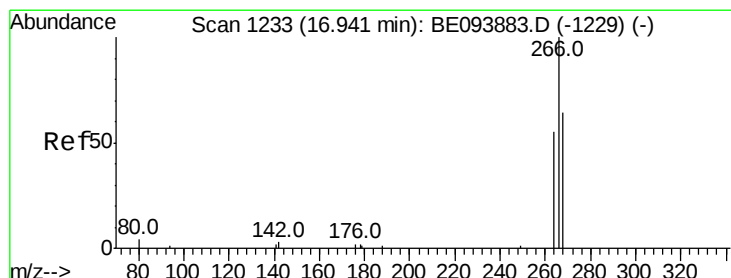
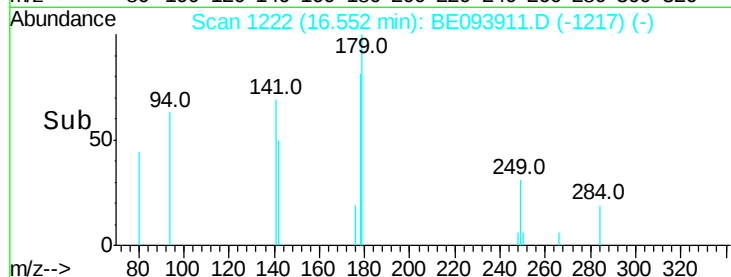
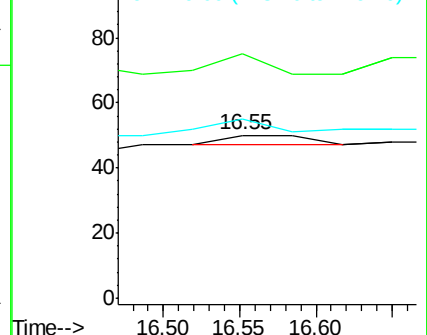
249 166.7 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.033 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

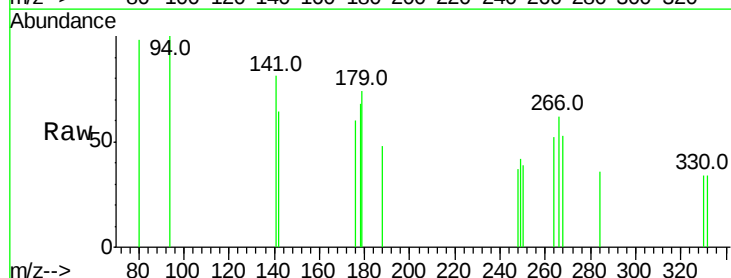
Tgt Ion:266 Resp: 96

Ion Ratio Lower Upper

266 100

264 84.0 53.5 80.3#

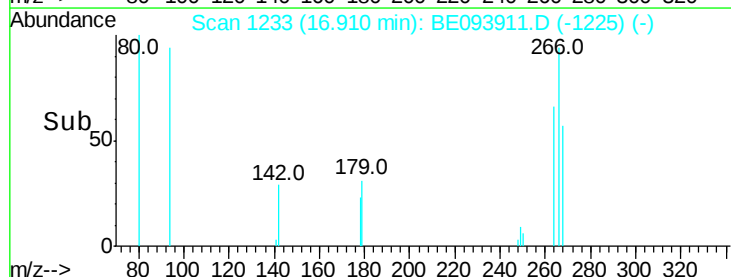
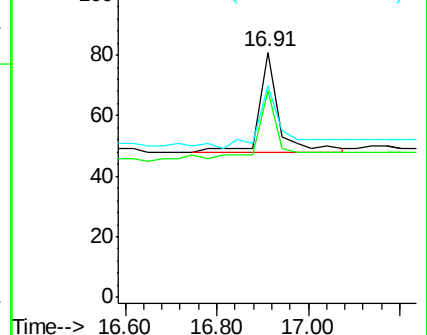
268 86.4 60.0 90.0

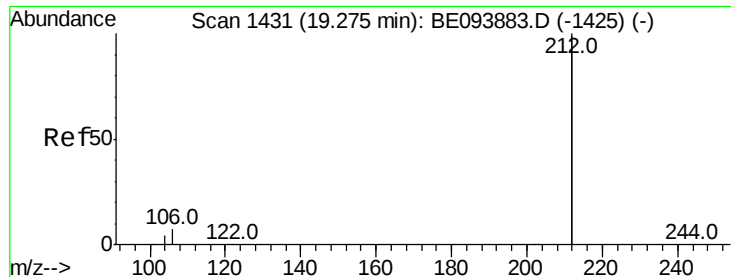


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.310 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampleId :

3826-SPP3

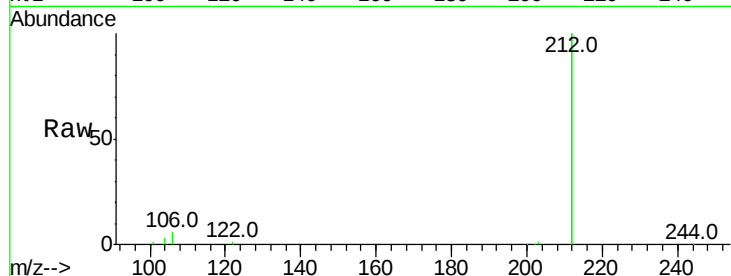
Tot Ion:212 Resp: 65573

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

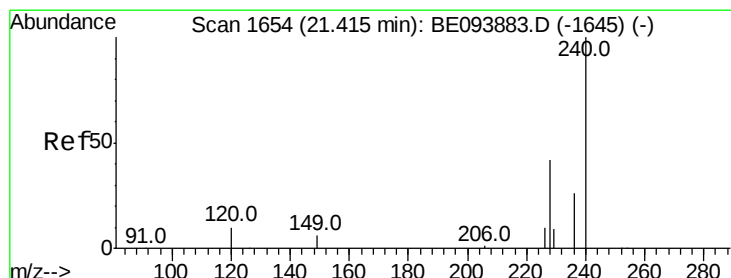
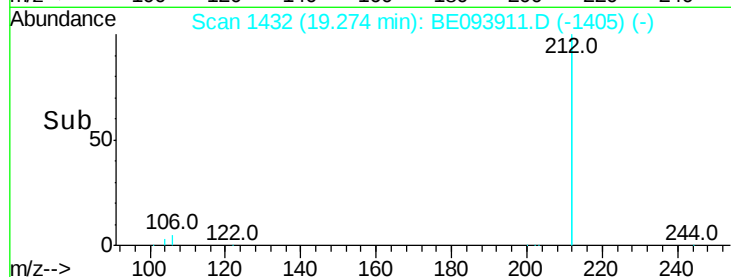
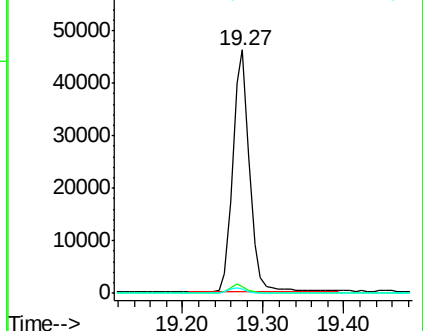
104 2.0 1.6 2.4



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: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

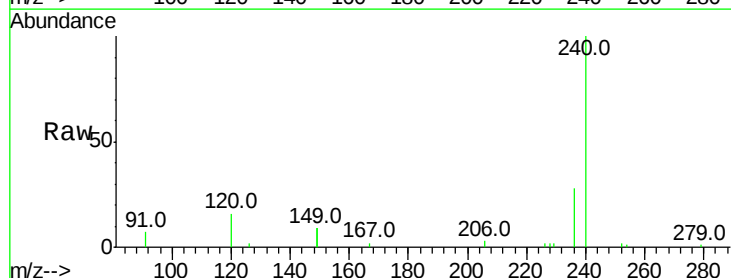
Tgt Ion:240 Resp: 17436

Ion Ratio Lower Upper

240 100

120 15.7 8.7 13.1#

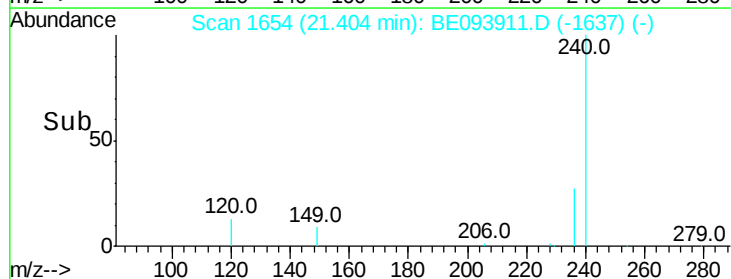
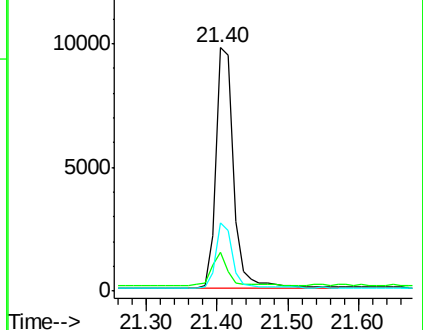
236 28.0 21.3 31.9

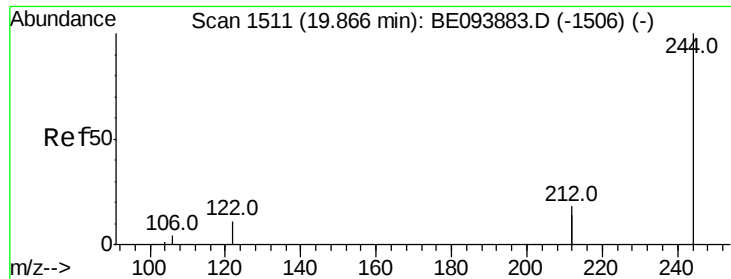


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.468 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampled :

3826-SPP3

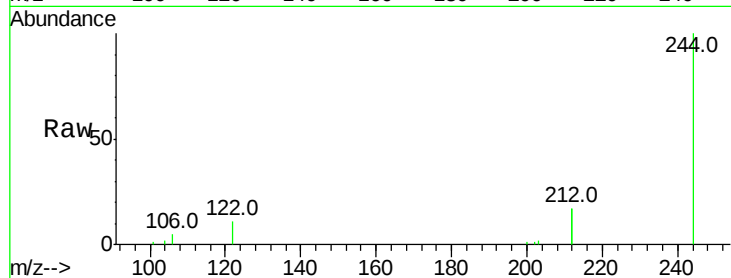
Tot Ion:244 Resp: 14776

Ion Ratio Lower Upper

244 100

212 33.6 28.3 42.5

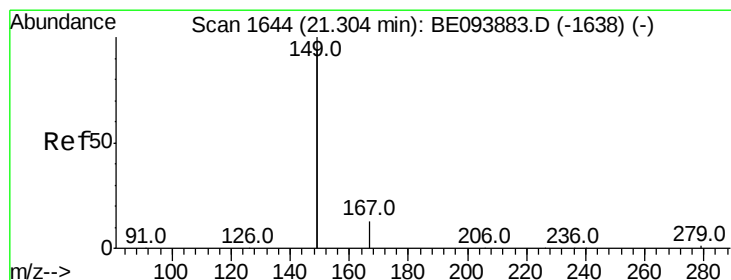
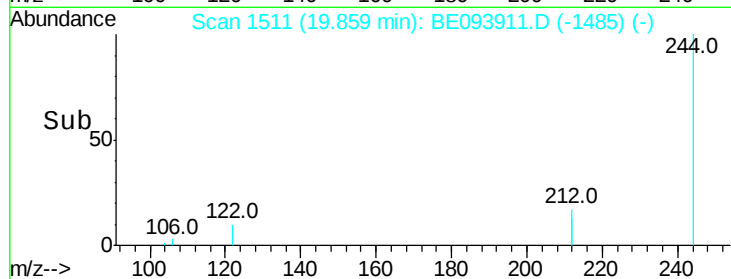
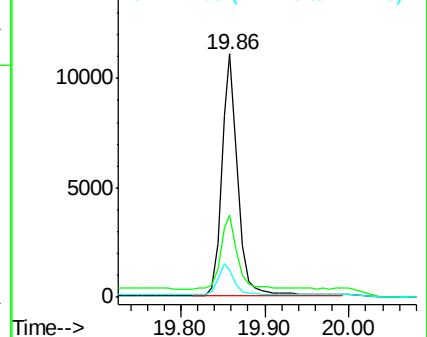
122 11.3 9.4 14.0



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: 0.348 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093911.D

Acq: 1 Sep 2017 20:41

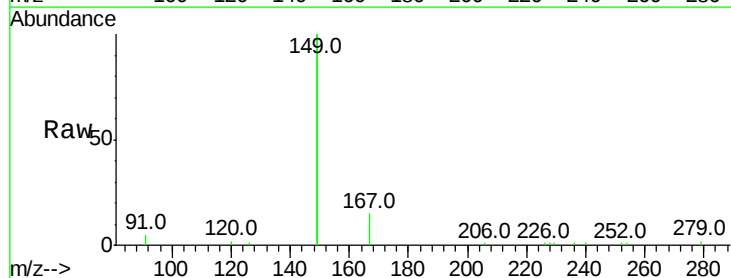
Tgt Ion:149 Resp: 37977

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

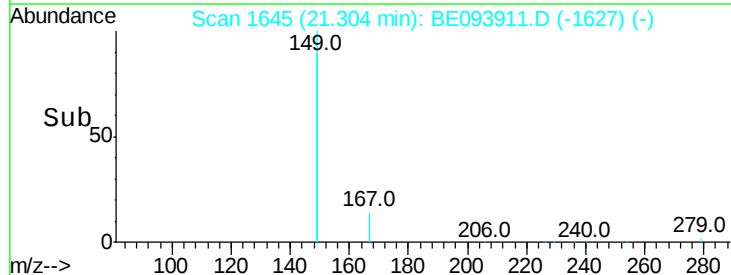
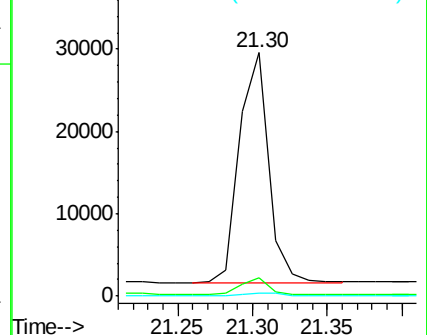
279 1.0 0.7 1.1

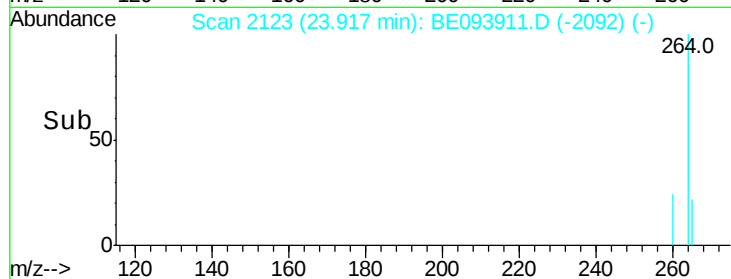
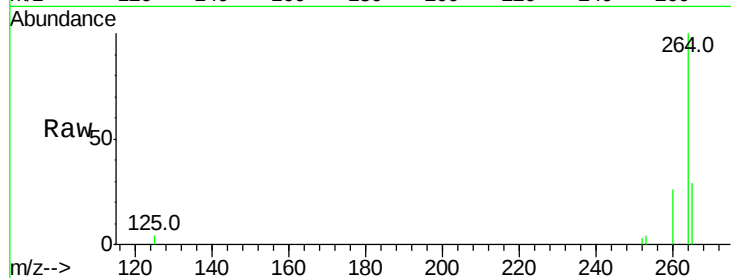
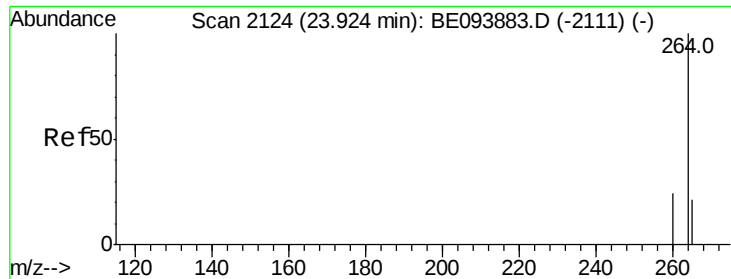


Abundance Ion 149.00 (148.70 to 149.70): E

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: BE093911.D

Acq: 1 Sep 2017 20:41

Instrument :

BNA_E

ClientSampleId :

3826-SPP3

Tot Ion:264 Resp: 15321

Ion Ratio Lower Upper

264 100

260 25.7 20.0 30.0

265 28.9 24.0 36.0

