

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093913.D
 Acq On : 1 Sep 2017 21:56
 Operator : SJ/JU
 Sample : I4963-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3828-SPP4-DUP

Quant Time: Sep 02 01:21:35 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

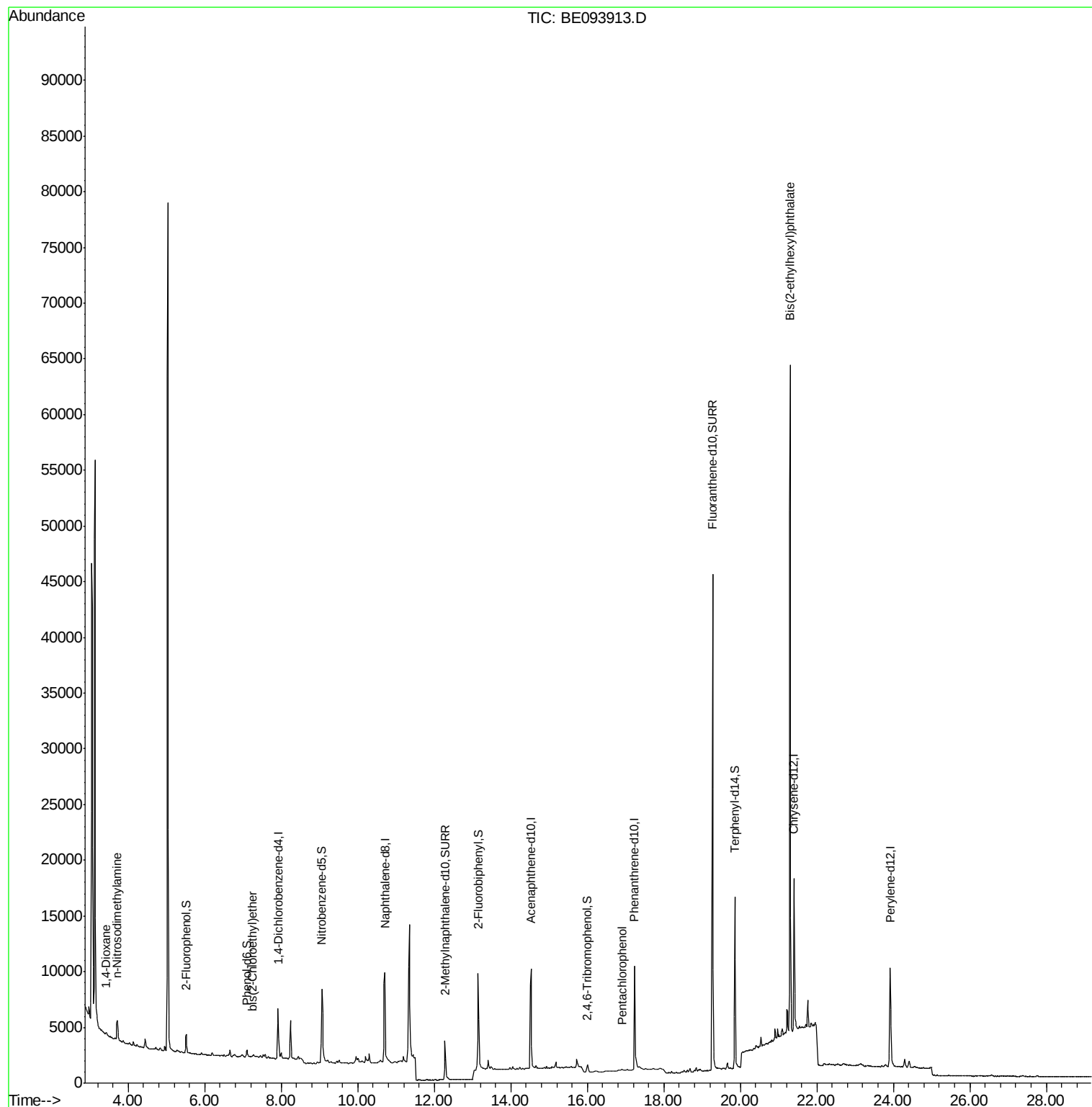
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2296	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11624	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	6755	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	16423	0.40	ng	0.00
27) Chrysene-d12	21.40	240	17017	0.40	ng	-0.01
34) Perylene-d12	23.92	264	14896	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	1085	0.15	ng	0.00
5) Phenol-d6	7.10	99	977	0.09	ng	0.01
8) Nitrobenzene-d5	9.06	82	3399	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5884	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	743	0.41	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9589	0.36	ng	-0.01
25) Fluoranthene-d10	19.27	212	63358	0.33	ng	0.00
29) Terphenyl-d14	19.86	244	14988	0.49	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.43	88	103	0.033	ng	# 1
3) n-Nitrosodimethylamine	3.70	42	410	0.117	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	585	0.070	ng	# 1
20) 4-Bromophenyl-phenylether	16.42	248	12	Below Cal	#	24
21) Hexachlorobenzene	16.49	284	2	Below Cal	#	100
22) Pentachlorophenol	16.91	266	59	0.023	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.30	149	77222	0.725	ng	99

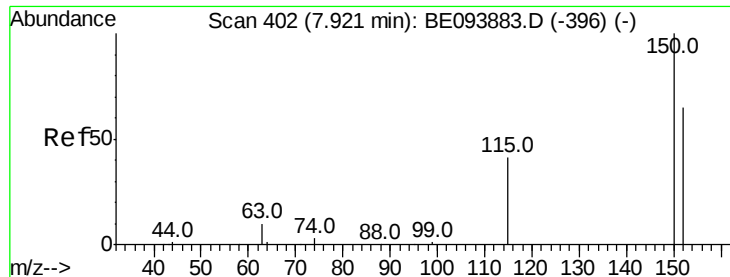
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

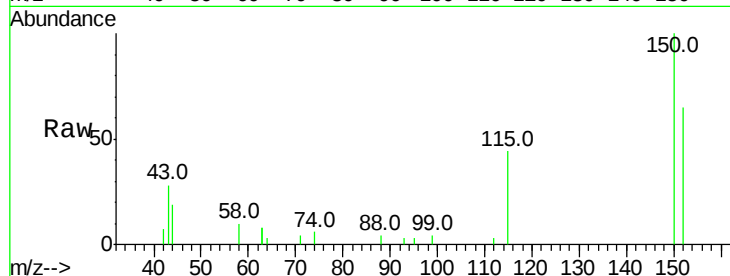
Tot Ion:152 Resp: 2296

Ion Ratio Lower Upper

152 100

150 153.2 121.8 182.6

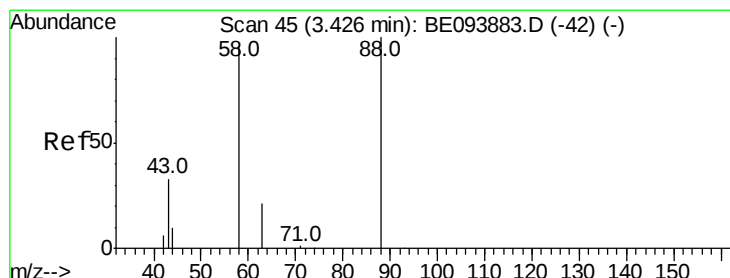
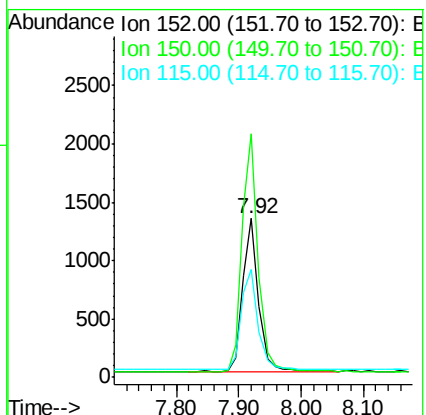
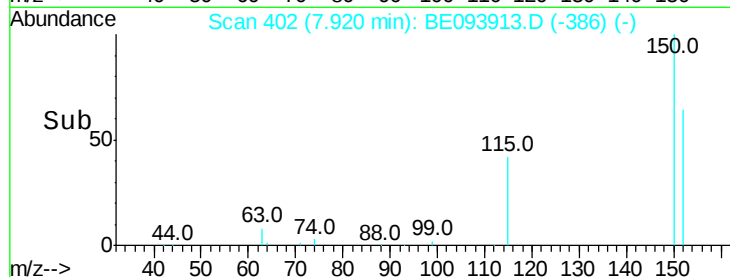
115 67.9 52.6 79.0



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: 0.033 ng

RT: 3.43 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

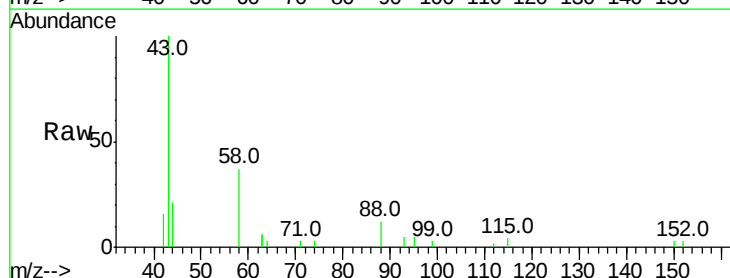
Tgt Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

58 259.2 65.4 98.0#

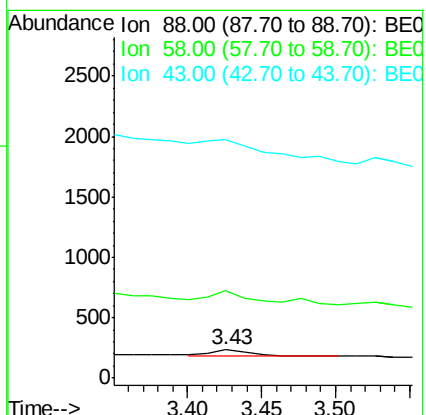
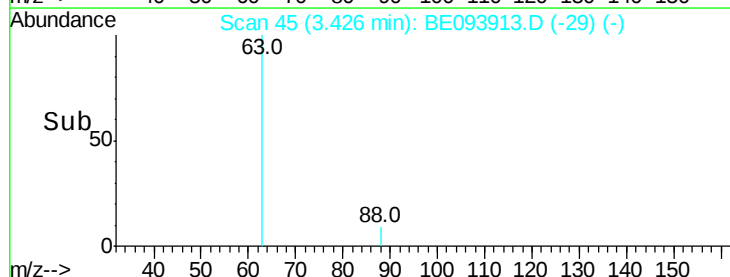
43 0.0 23.9 35.9#

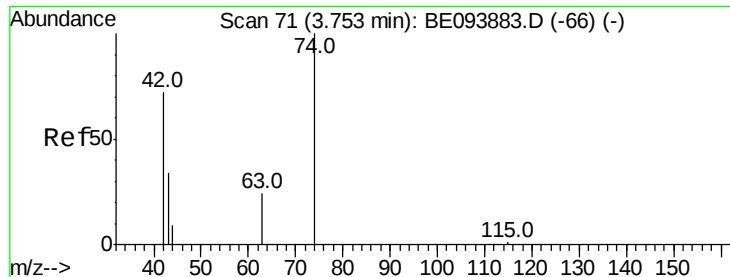


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.117 ng

RT: 3.70 min Scan# 67

Delta R.T. -0.05 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

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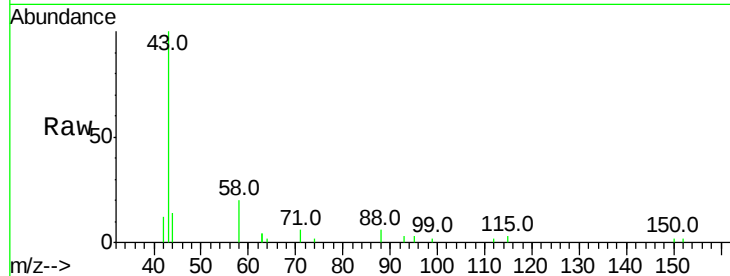
Tot Ion: 42 Resp: 410

Ion Ratio Lower Upper

42 100

74 0.0 104.0 156.0#

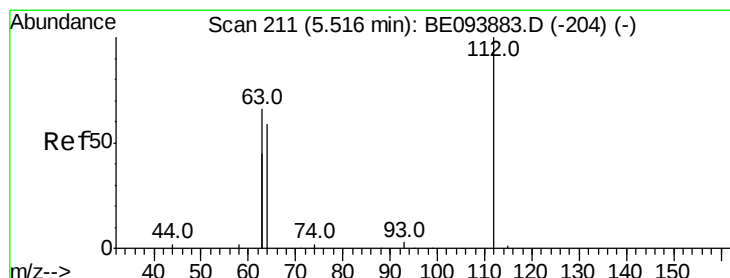
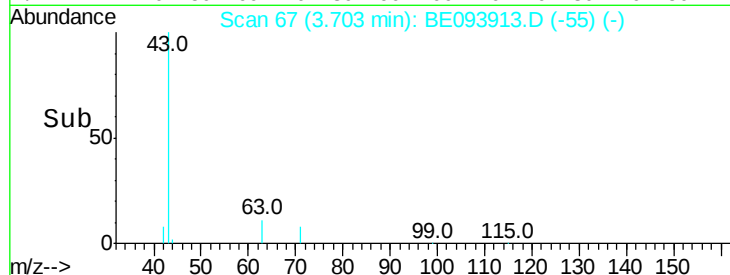
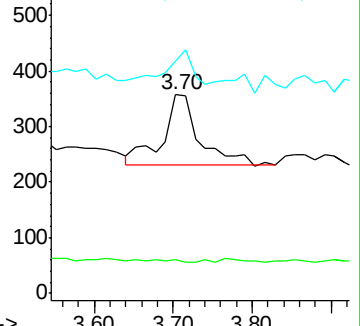
44 33.9 13.8 20.8#



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: 0.154 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

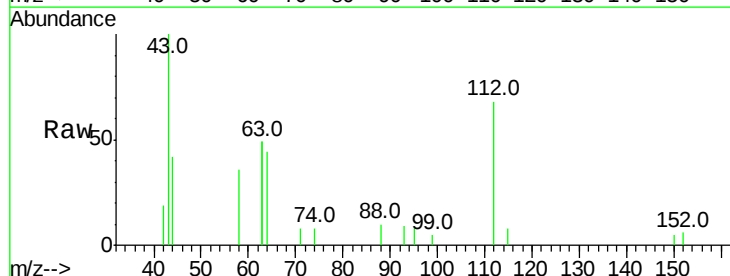
Tgt Ion: 112 Resp: 1085

Ion Ratio Lower Upper

112 100

64 72.7 57.7 86.5

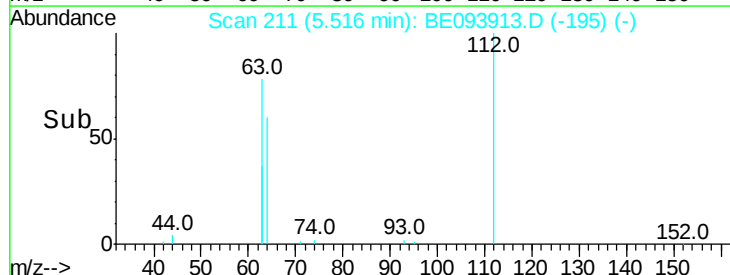
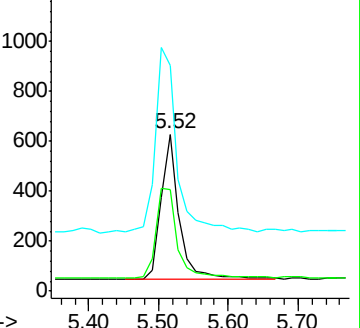
63 142.9 116.0 174.0

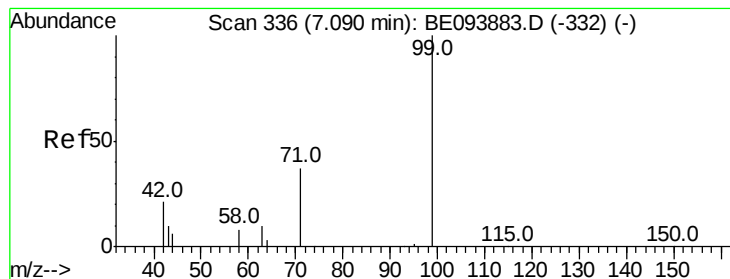


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.090 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

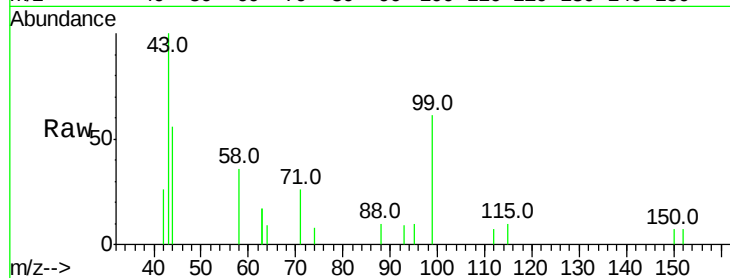
Tot Ion: 99 Resp: 977

Ion Ratio Lower Upper

99 100

42 21.3 17.1 25.7

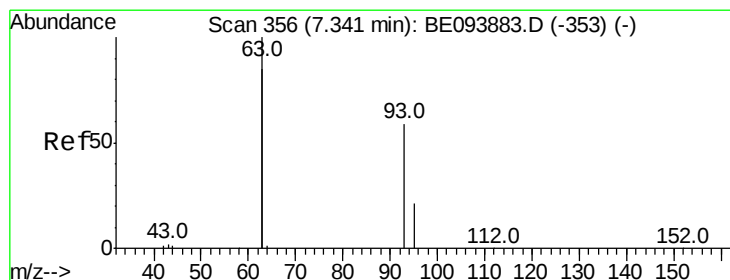
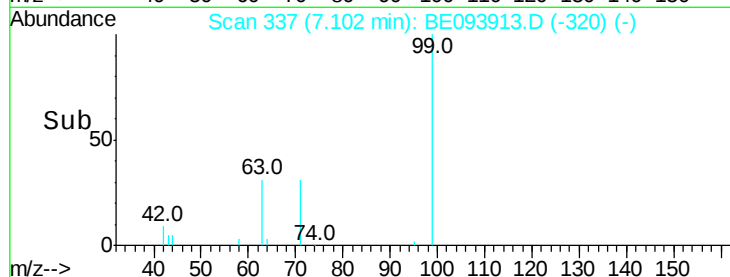
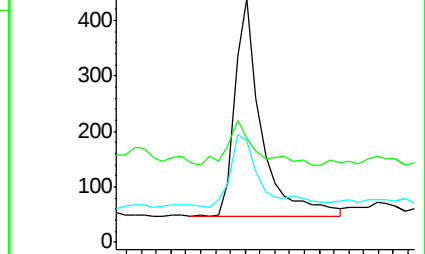
71 33.7 26.6 39.8



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: 0.070 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.09 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

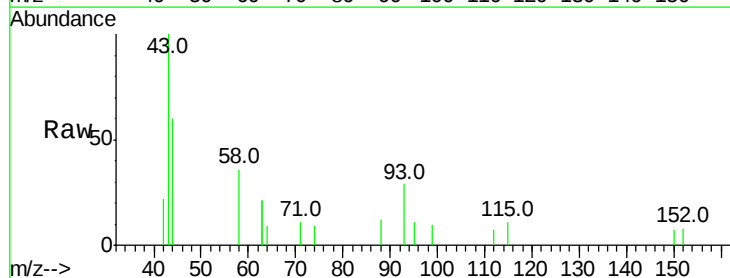
Tgt Ion: 93 Resp: 585

Ion Ratio Lower Upper

93 100

63 20.3 283.4 425.2#

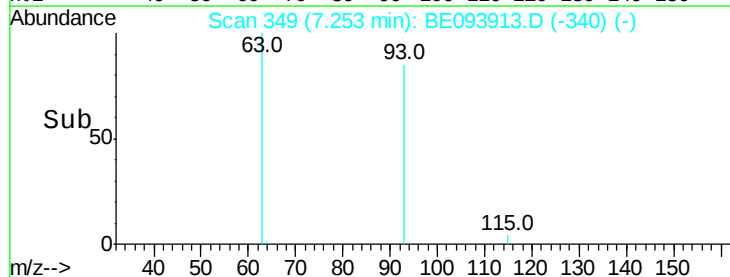
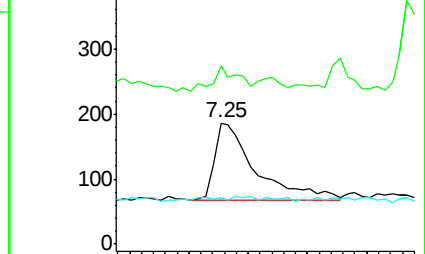
95 0.0 26.9 40.3#

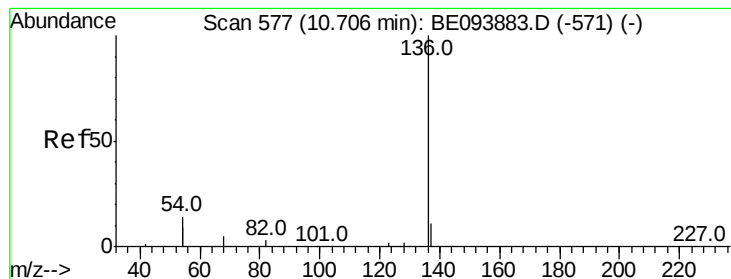


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

Tot Ion:136 Resp: 11624

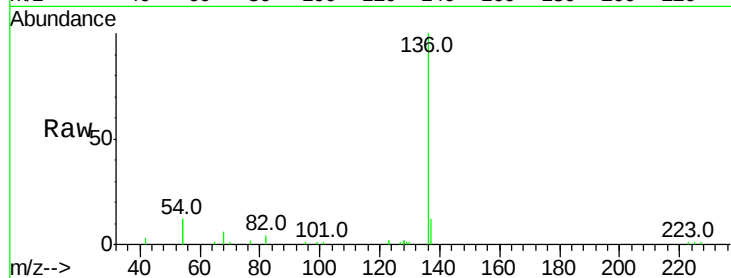
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 24.4 21.9 32.9

68 5.5 4.6 7.0

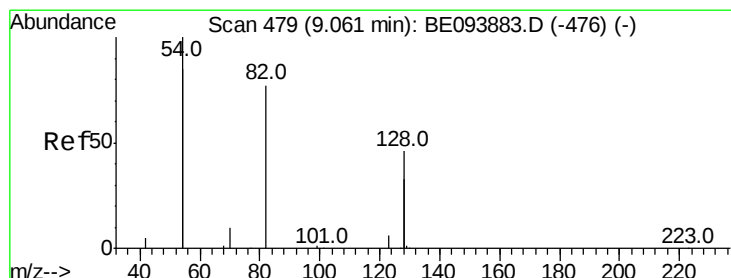
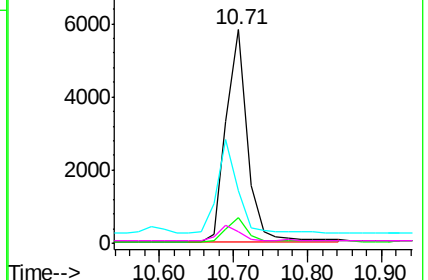
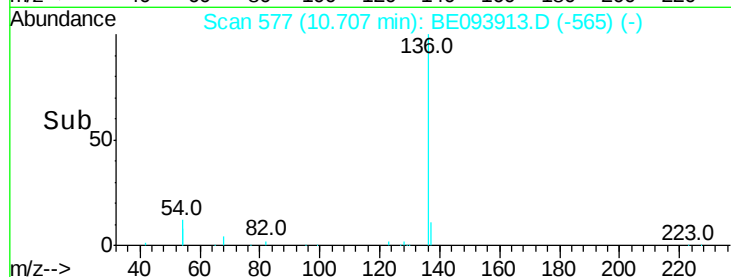


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.351 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

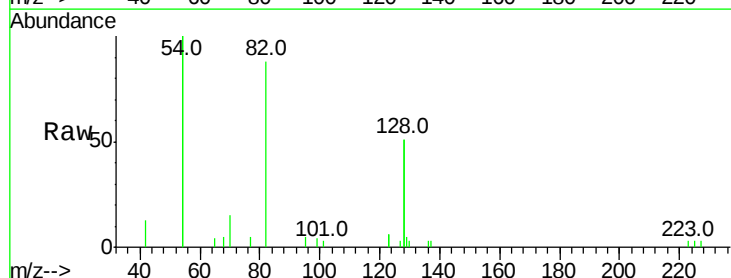
Tgt Ion: 82 Resp: 3399

Ion Ratio Lower Upper

82 100

128 115.3 91.4 137.0

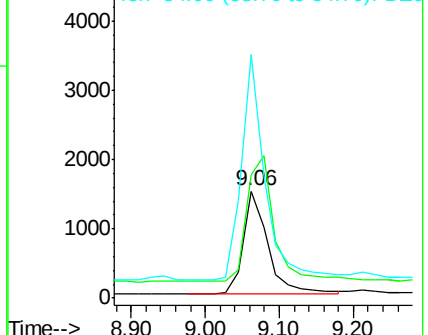
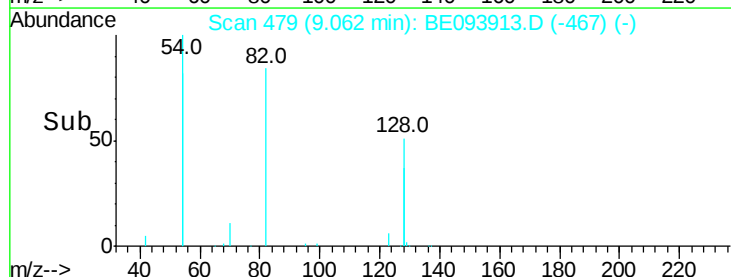
54 227.0 197.8 296.8

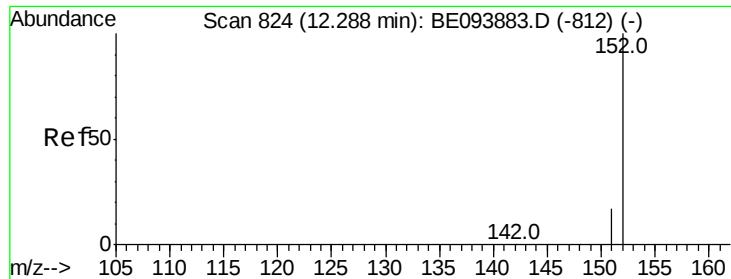


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

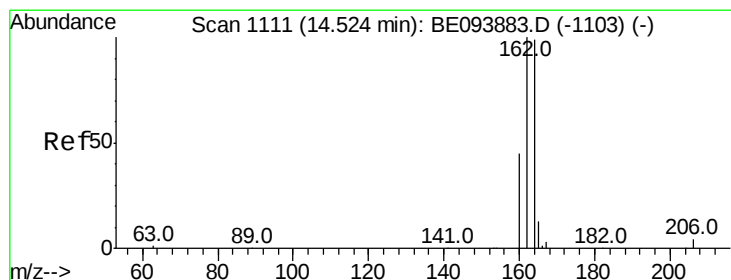
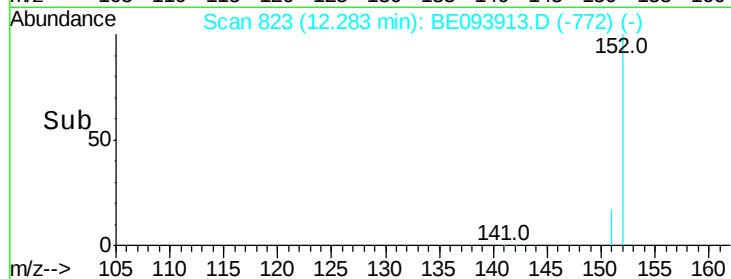
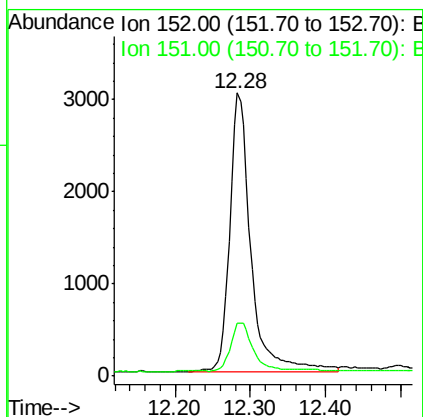
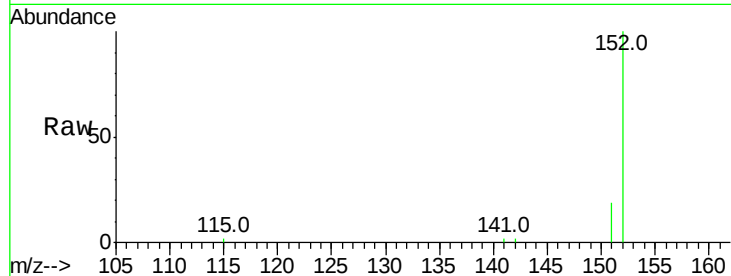




#11
2-Methylnaphthalene-d10
Concen: 0.320 ng
RT: 12.28 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE093913.D
Acq: 1 Sep 2017 21:56

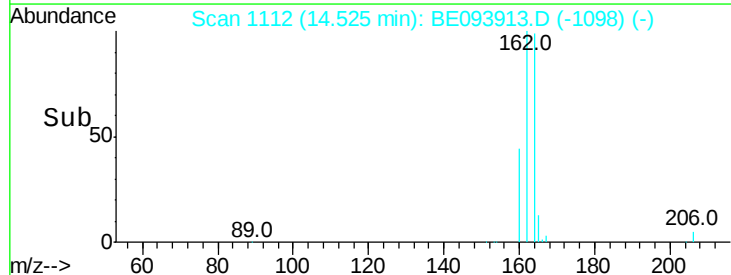
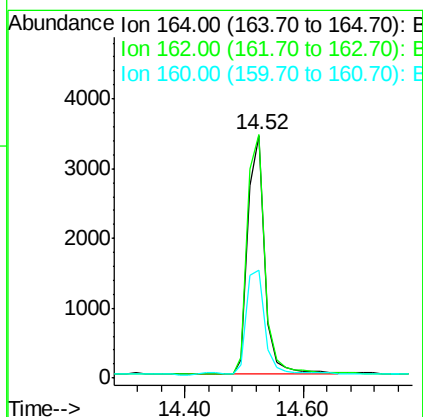
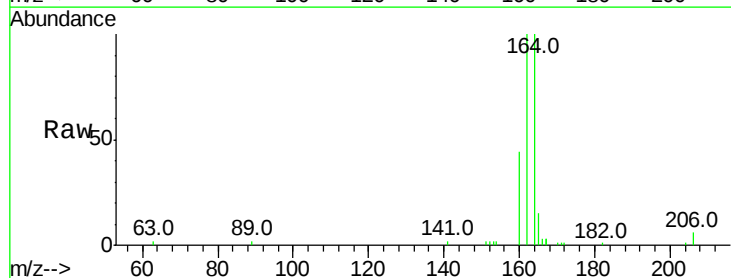
Instrument :
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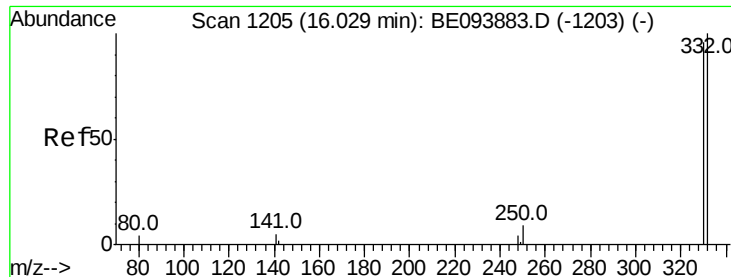
Tot Ion:152 Resp: 5884
Ion Ratio Lower Upper
152 100
151 18.3 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093913.D
Acq: 1 Sep 2017 21:56

Tgt Ion:164 Resp: 6755
Ion Ratio Lower Upper
164 100
162 100.5 80.8 121.2
160 44.7 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.410 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

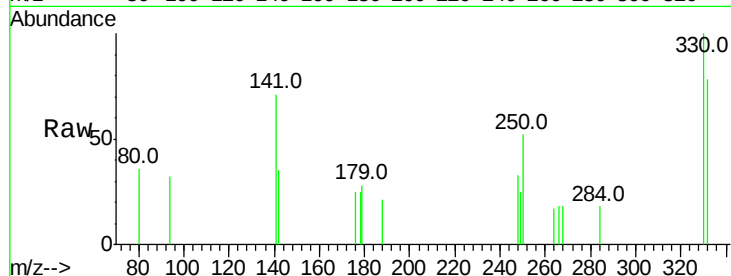
Tot Ion:330 Resp: 743

Ion Ratio Lower Upper

330 100

332 92.3 76.9 115.3

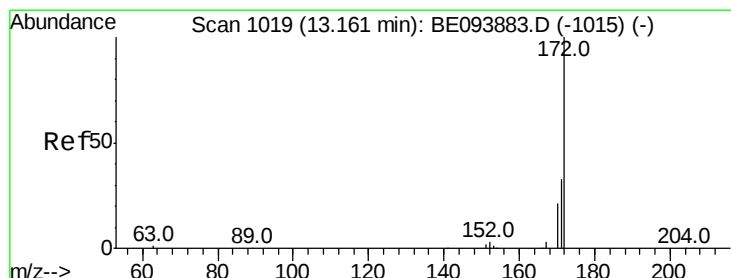
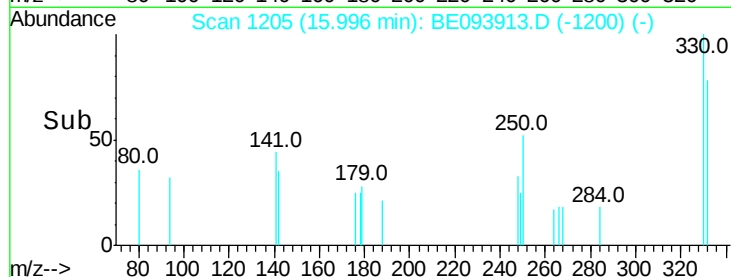
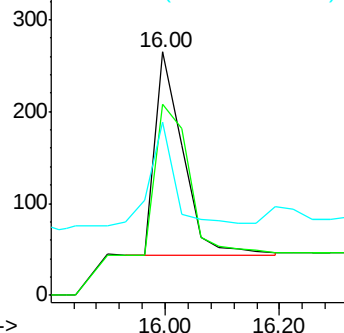
141 45.0 0.0 0.0#



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: 0.357 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

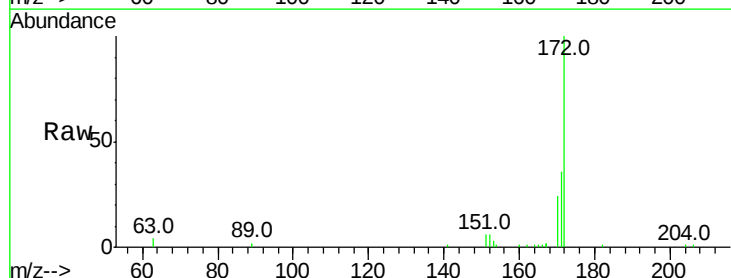
Tgt Ion:172 Resp: 9589

Ion Ratio Lower Upper

172 100

171 36.0 26.9 40.3

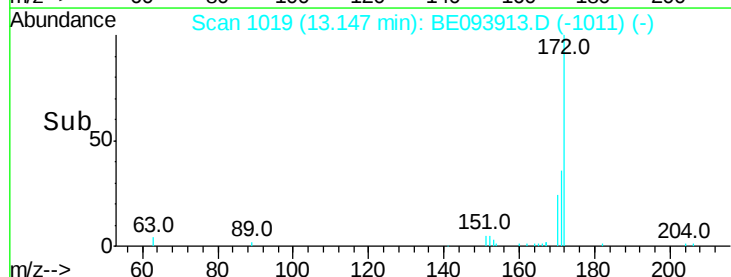
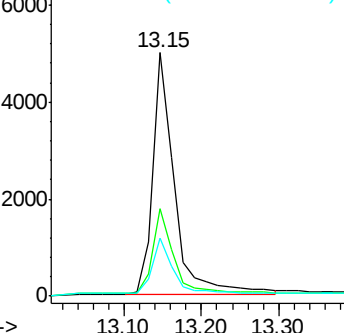
170 24.0 17.3 25.9

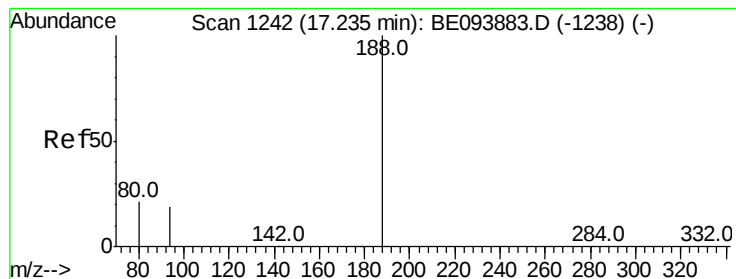


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.23 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

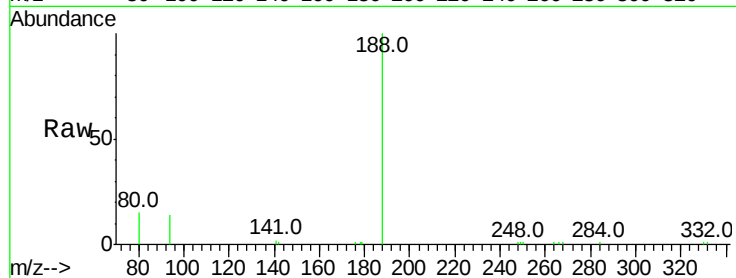
Tot Ion:188 Resp: 16423

Ion Ratio Lower Upper

188 100

94 13.9 16.1 24.1#

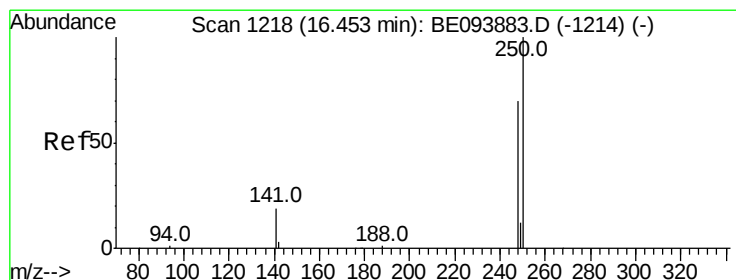
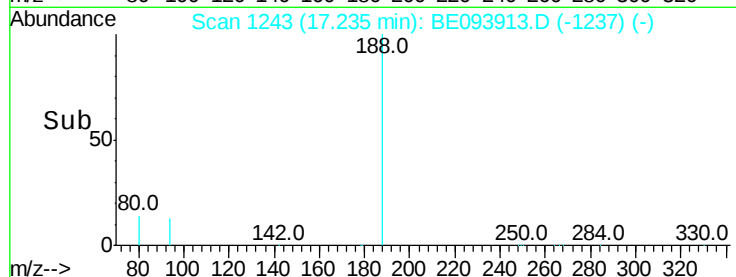
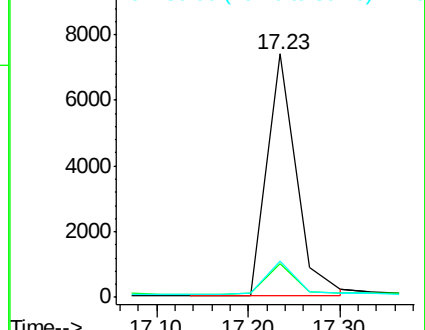
80 14.9 18.2 27.2#



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: BE093913.D

Acq: 1 Sep 2017 21:56

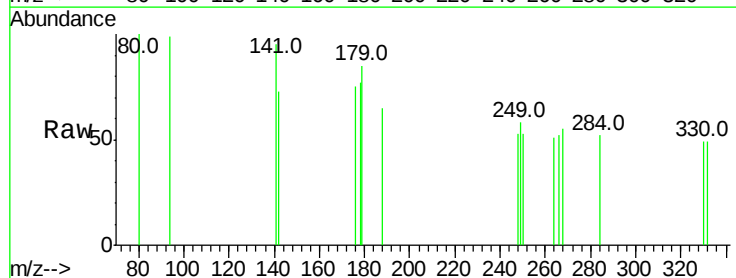
Tgt Ion:248 Resp: 12

Ion Ratio Lower Upper

248 100

250 100.0 111.8 167.8#

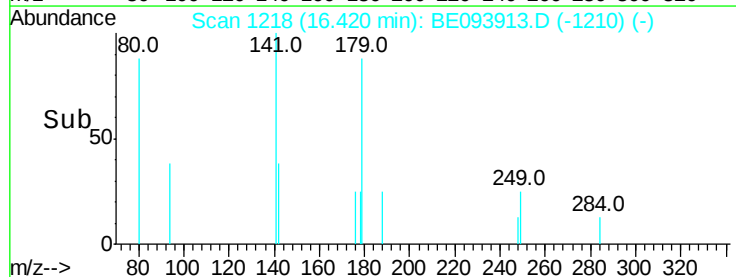
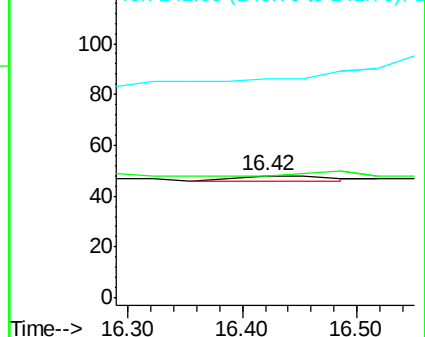
141 179.2 27.1 40.7#

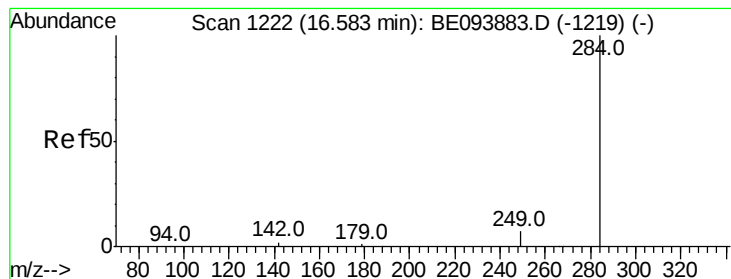


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.49 min Scan# 1220

Delta R.T. -0.10 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

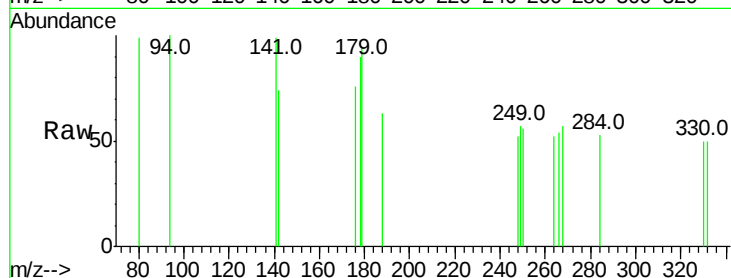
Tot Ion:284 Resp: 2

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

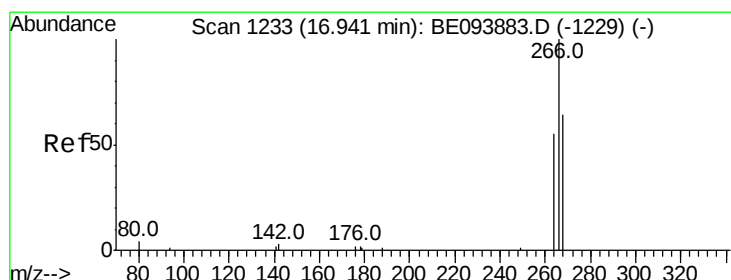
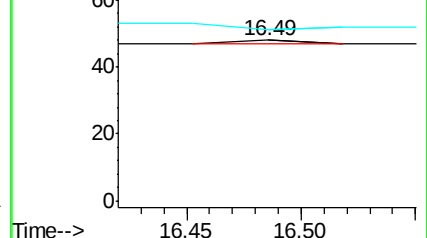
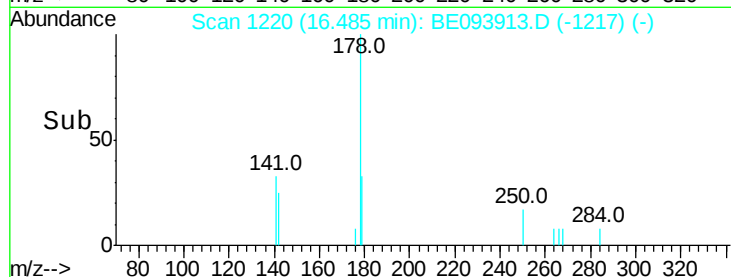
249 0.0 0.0 0.0



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: 0.023 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

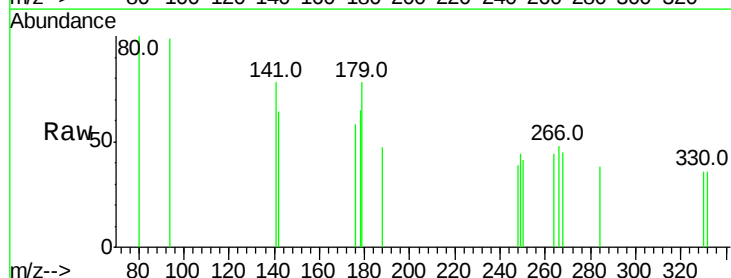
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

264 91.8 53.5 80.3#

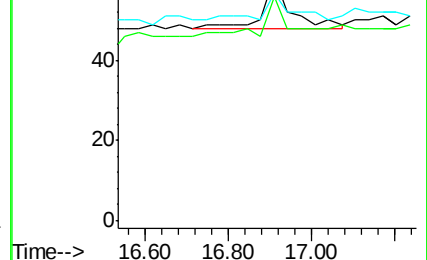
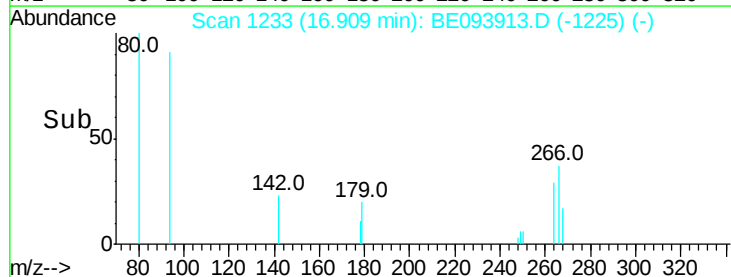
268 93.4 60.0 90.0#

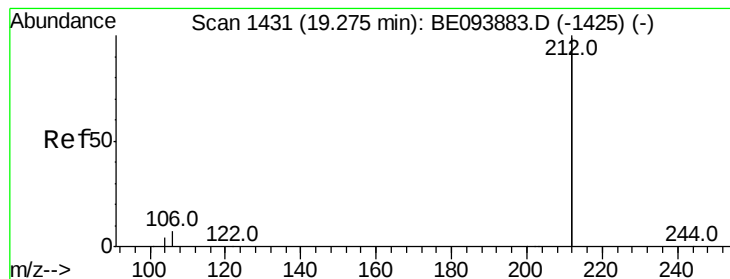


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.335 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

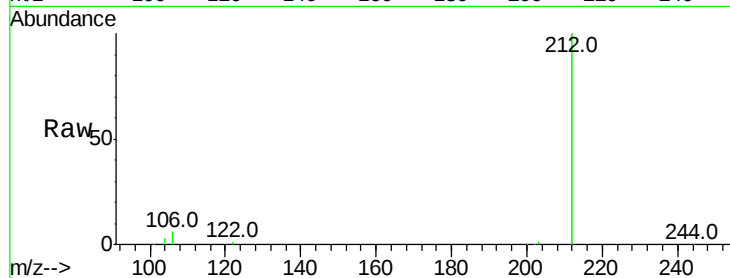
Tot Ion:212 Resp: 63358

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

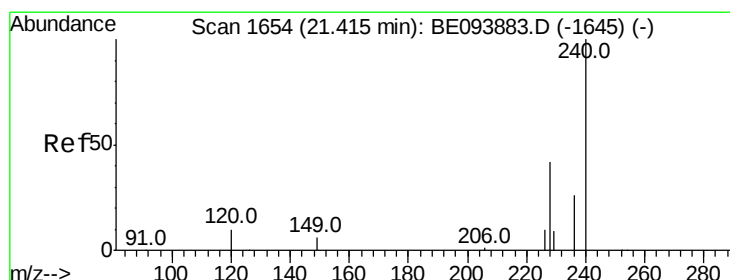
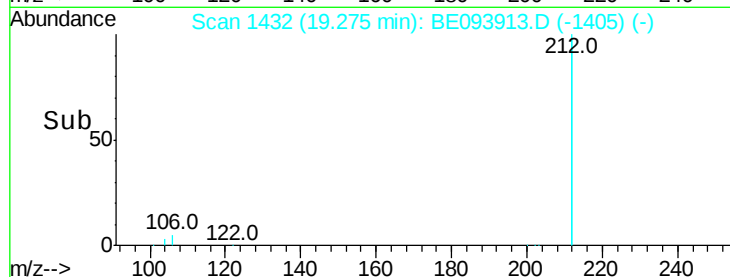
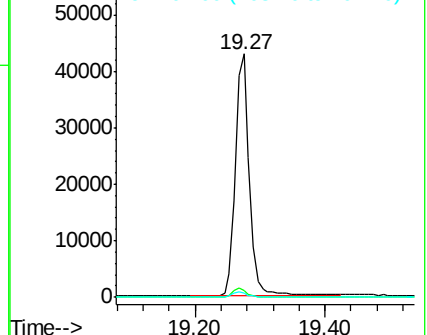
104 2.1 1.6 2.4



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: BE093913.D

Acq: 1 Sep 2017 21:56

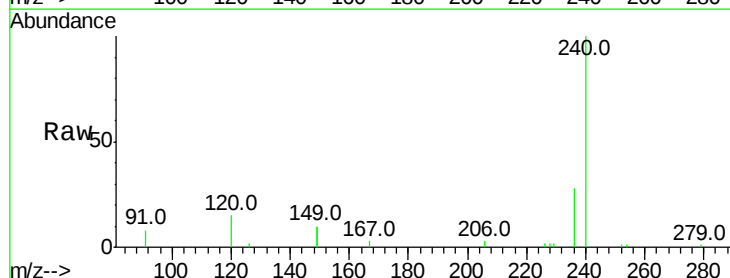
Tgt Ion:240 Resp: 17017

Ion Ratio Lower Upper

240 100

120 15.3 8.7 13.1#

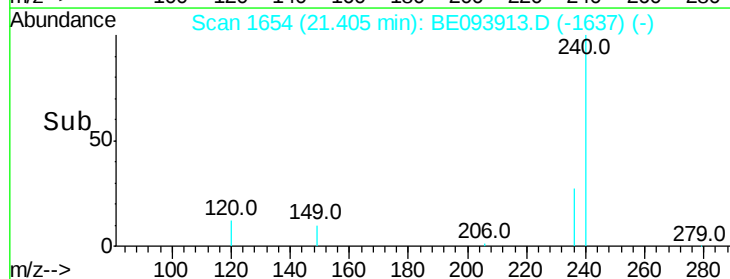
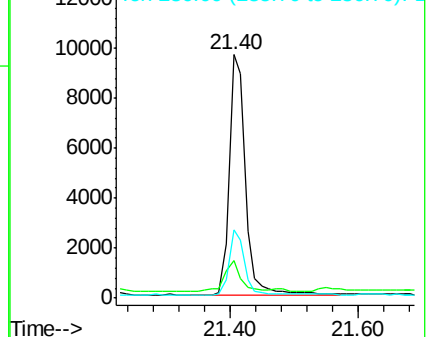
236 27.9 21.3 31.9

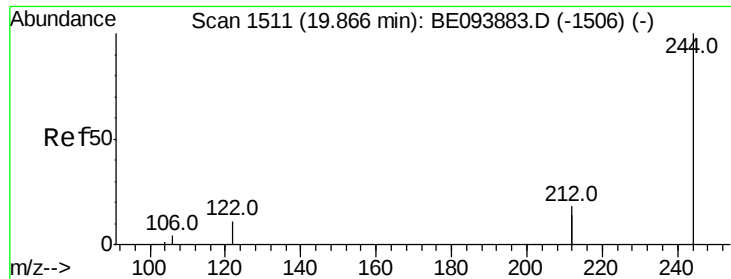


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.487 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

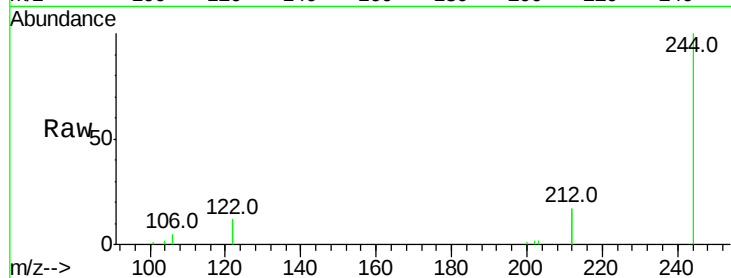
Tot Ion:244 Resp: 14988

Ion Ratio Lower Upper

244 100

212 34.5 28.3 42.5

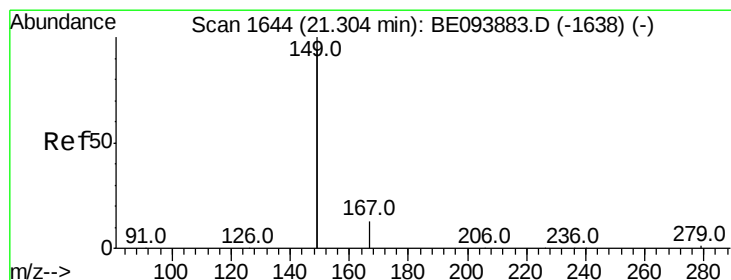
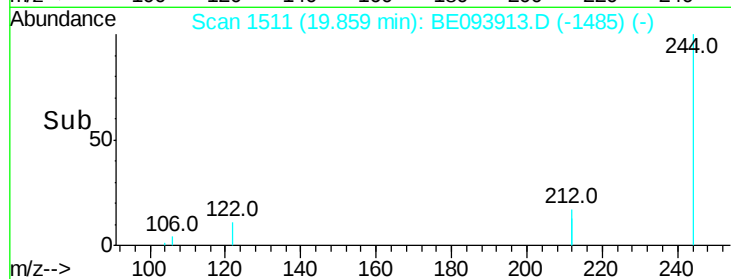
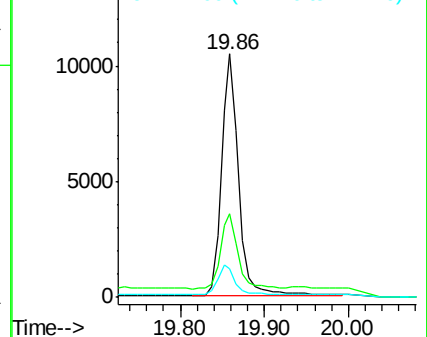
122 11.7 9.4 14.0



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: 0.725 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

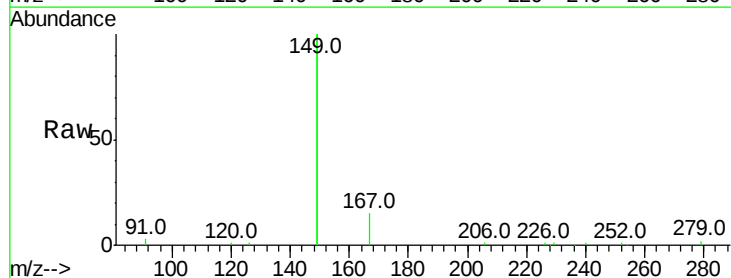
Tgt Ion:149 Resp: 77222

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

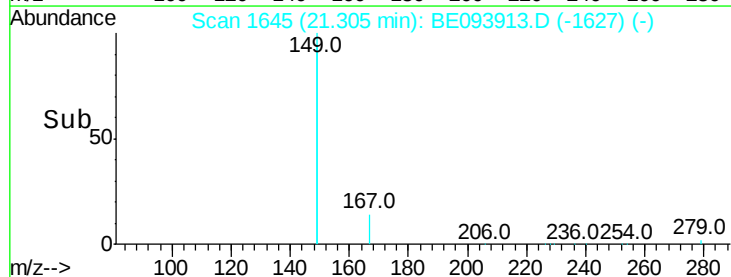
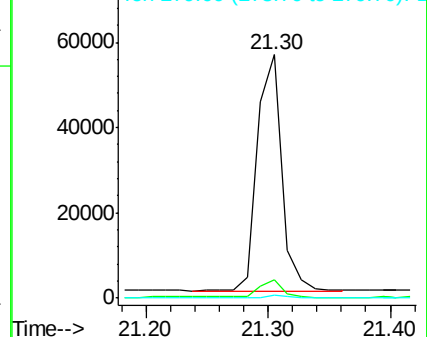
279 0.8 0.7 1.1

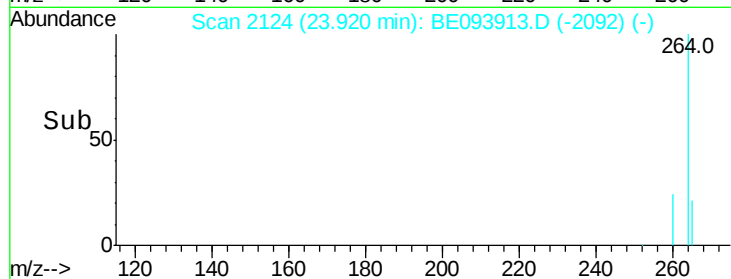
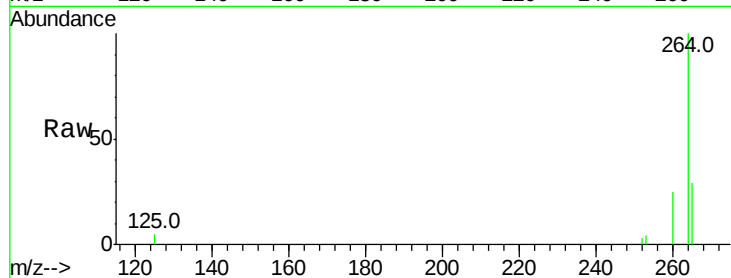
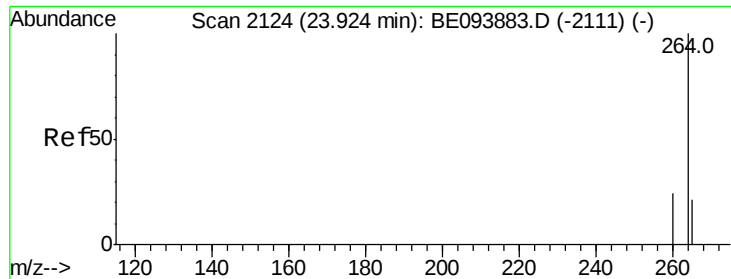


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2124

Delta R.T. -0.00 min

Lab File: BE093913.D

Acq: 1 Sep 2017 21:56

Instrument :

BNA_E

ClientSampleId :

3828-SPP4-DUP

Tot Ion:264 Resp: 14896

Ion Ratio Lower Upper

264 100

260 25.0 20.0 30.0

265 29.0 24.0 36.0

