

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093909.D
 Acq On : 1 Sep 2017 19:27
 Operator : SJ/JU
 Sample : I4963-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3824-SPP1

Quant Time: Sep 02 01:20:39 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

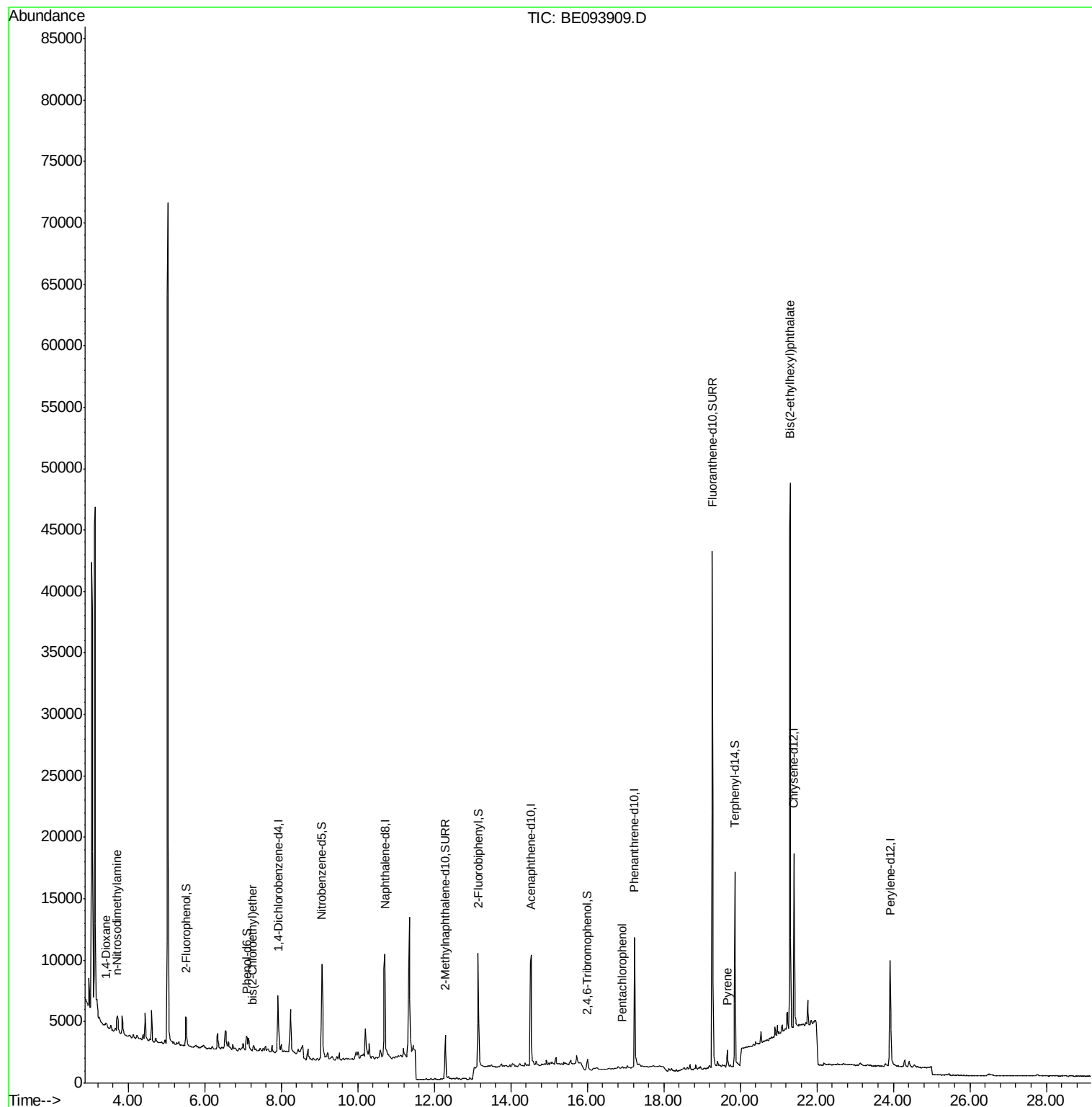
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2341	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11703	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	6821	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18672	0.40	ng	0.00
27) Chrysene-d12	21.40	240	16901	0.40	ng	-0.01
34) Perylene-d12	23.92	264	14500	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	1570	0.22	ng	0.00
5) Phenol-d6	7.10	99	1391	0.13	ng	0.01
8) Nitrobenzene-d5	9.06	82	3444	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5926	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	837	0.46	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9766	0.36	ng	-0.01
25) Fluoranthene-d10	19.27	212	60039	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	14427	0.47	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.43	88	121	0.038	ng	# 1
3) n-Nitrosodimethylamine	3.70	42	298	0.083	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	270	0.032	ng	# 1
20) 4-Bromophenyl-phenylether	16.26	248	10	Below Cal	#	23
21) Hexachlorobenzene	16.62	284	12	Below Cal	#	100
22) Pentachlorophenol	16.91	266	82	0.028	ng	# 80
28) Pyrene	19.66	202	1247	0.022	ng	94
32) Bis(2-ethylhexyl)phthalate	21.30	149	60783	0.574	ng	99

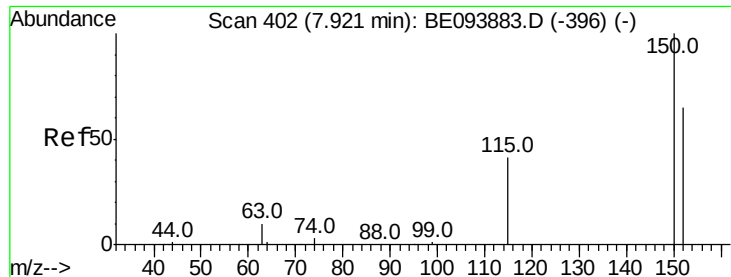
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampleId :

3824-SPP1

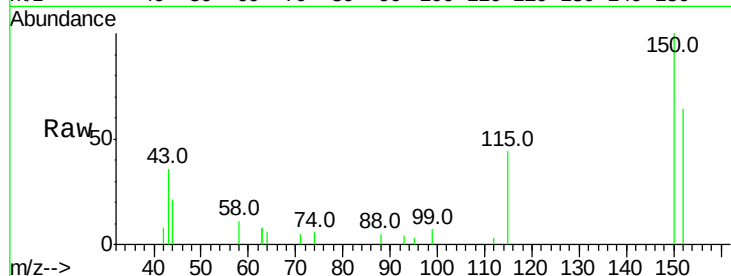
Tot Ion:152 Resp: 2341

Ion Ratio Lower Upper

152 100

150 155.8 121.8 182.6

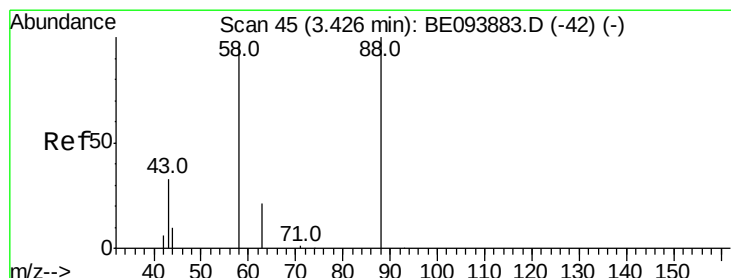
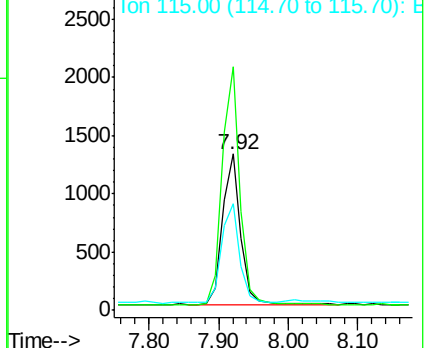
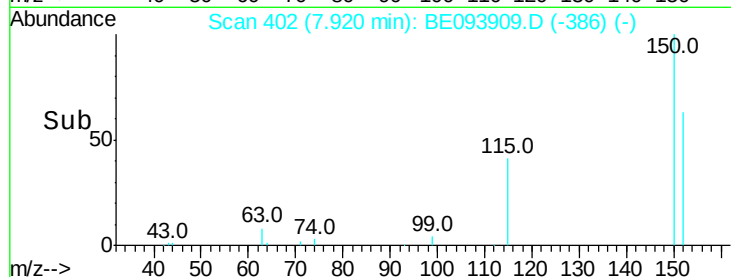
115 68.3 52.6 79.0



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: 0.038 ng

RT: 3.43 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

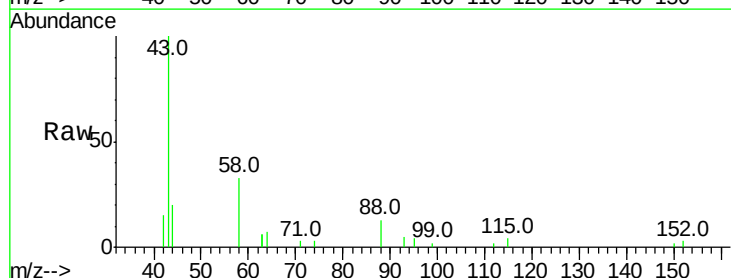
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

58 0.0 65.4 98.0#

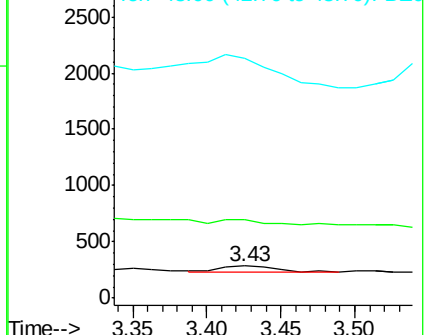
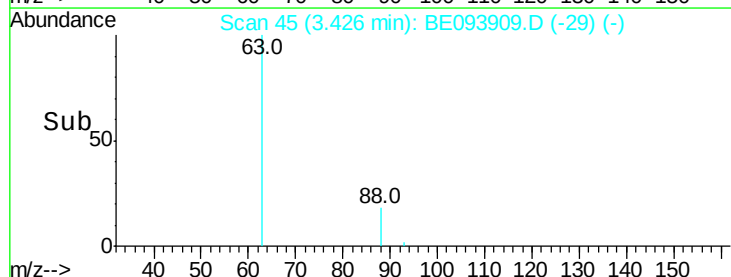
43 862.8 23.9 35.9#

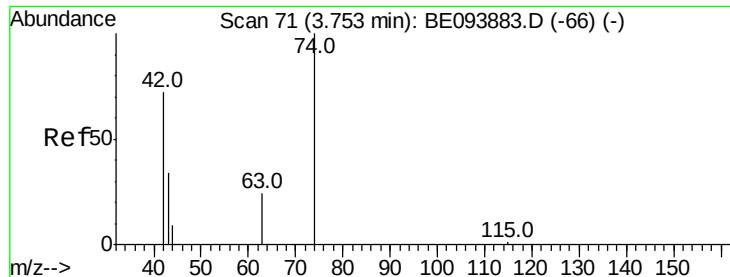


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.083 ng

RT: 3.70 min Scan# 67

Delta R.T. -0.05 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampleId :

3824-SPP1

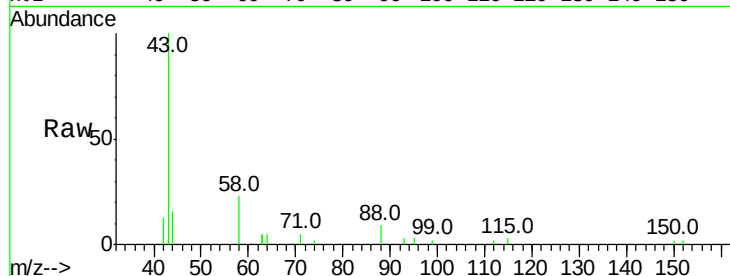
Tot Ion: 42 Resp: 298

Ion Ratio Lower Upper

42 100

74 0.0 104.0 156.0#

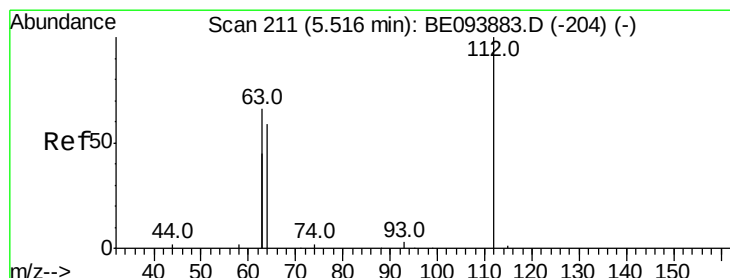
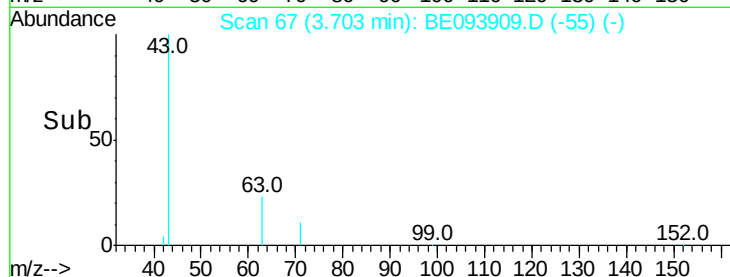
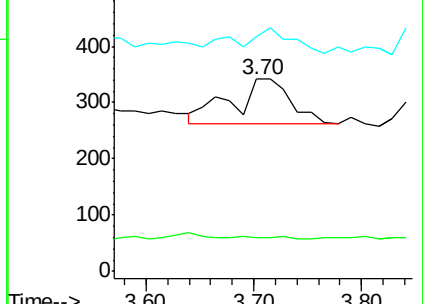
44 33.6 13.8 20.8#



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: 0.218 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

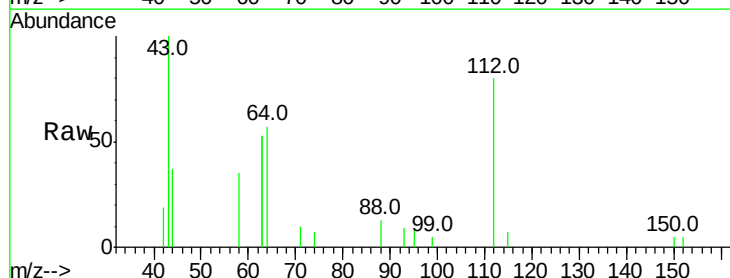
Tgt Ion: 112 Resp: 1570

Ion Ratio Lower Upper

112 100

64 73.8 57.7 86.5

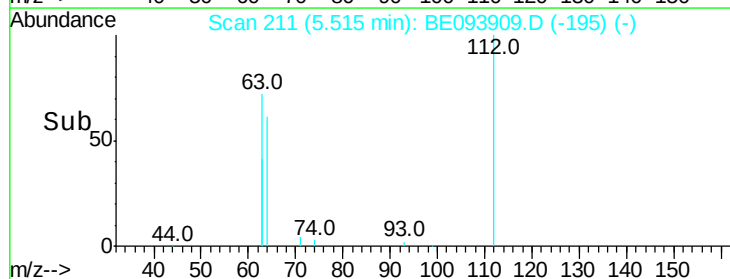
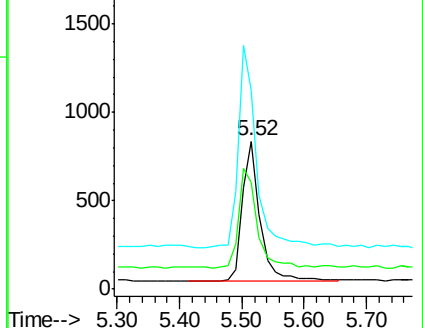
63 146.8 116.0 174.0

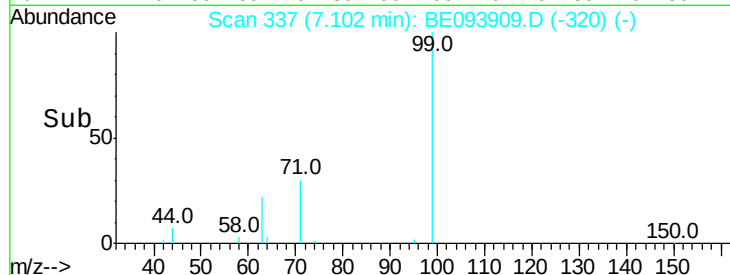
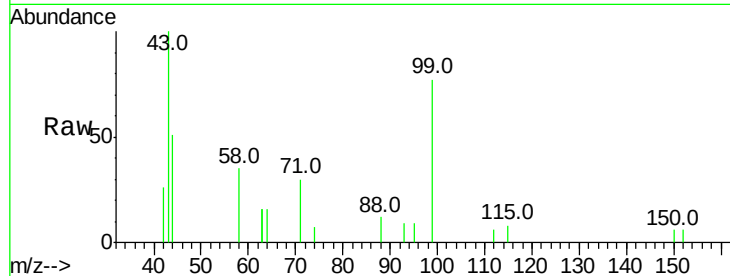
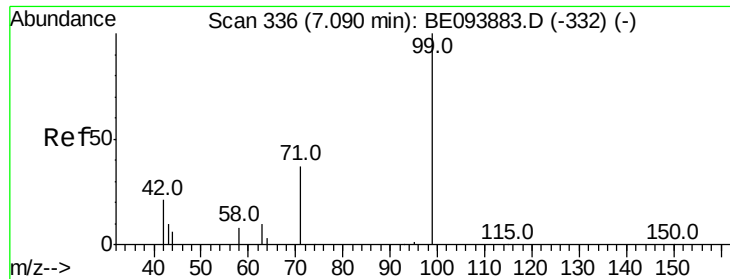


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.126 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampled :

3824-SPP1

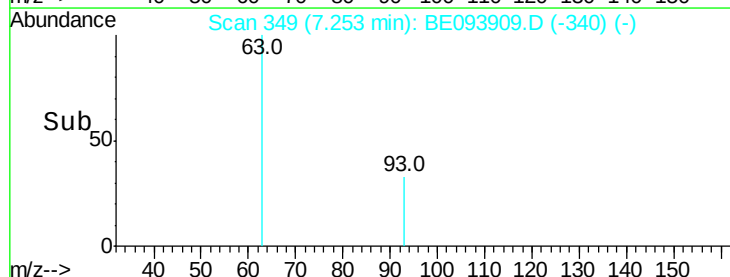
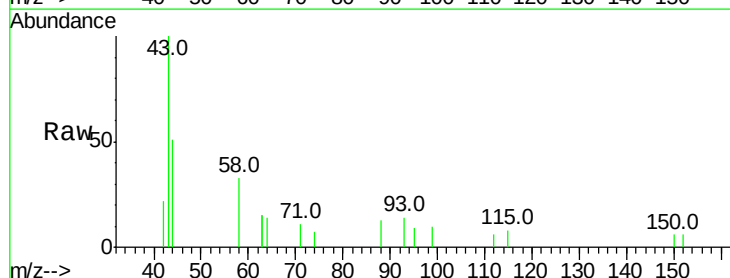
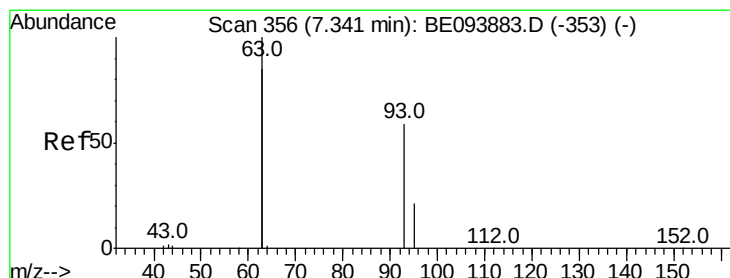
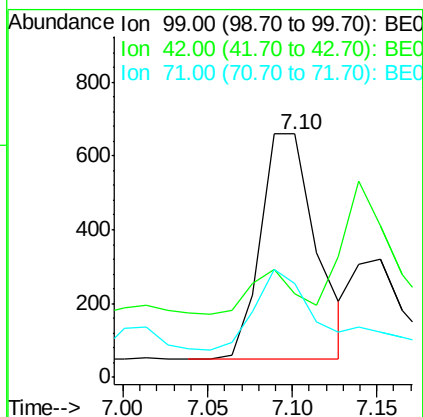
Tot Ion: 99 Resp: 1391

Ion Ratio Lower Upper

99 100

42 16.8 17.1 25.7#

71 47.2 26.6 39.8#



#6

bis(2-Chloroethyl)ether

Concen: 0.032 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.09 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

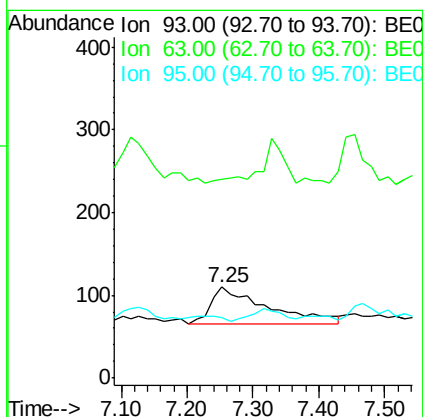
Tgt Ion: 93 Resp: 270

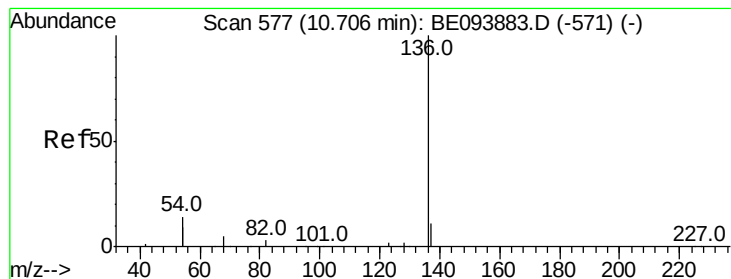
Ion Ratio Lower Upper

93 100

63 0.0 283.4 425.2#

95 0.0 26.9 40.3#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampleId :

3824-SPP1

Tot Ion:136 Resp: 11703

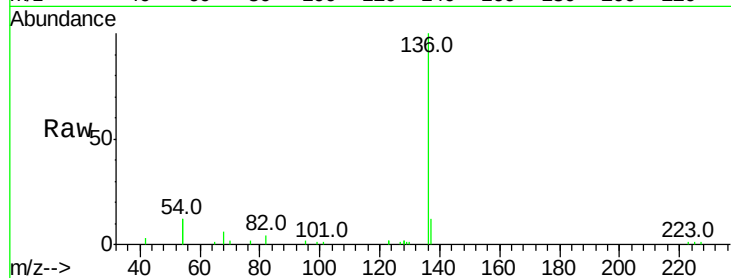
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 24.6 21.9 32.9

68 5.8 4.6 7.0

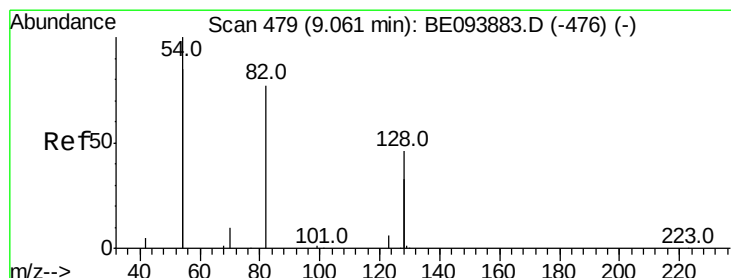
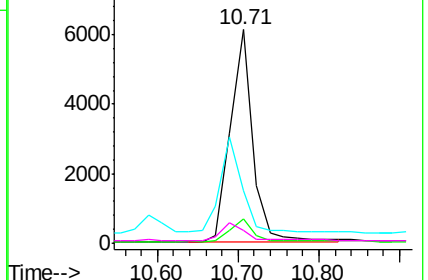
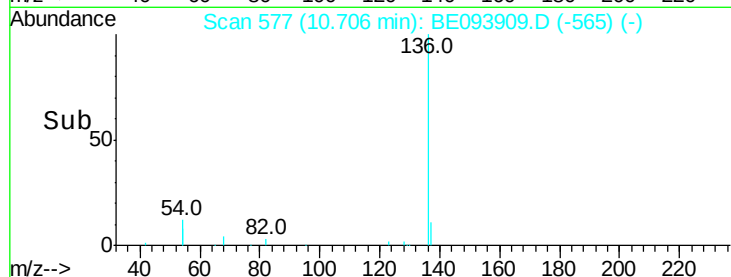


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.353 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

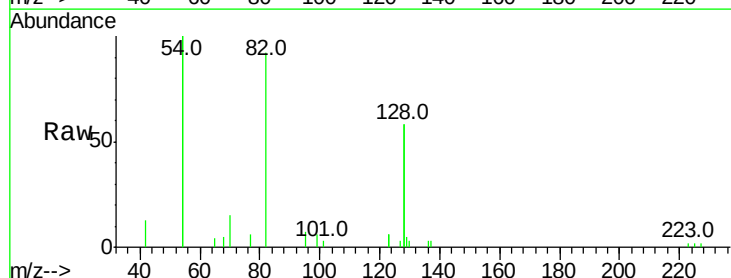
Tgt Ion: 82 Resp: 3444

Ion Ratio Lower Upper

82 100

128 125.9 91.4 137.0

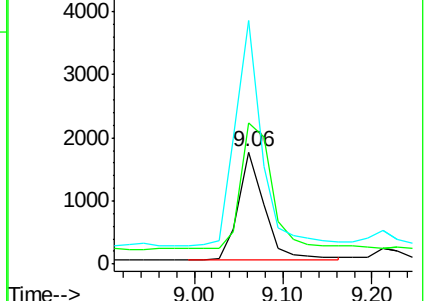
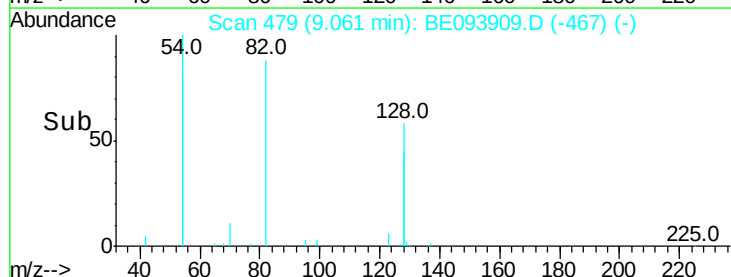
54 217.2 197.8 296.8

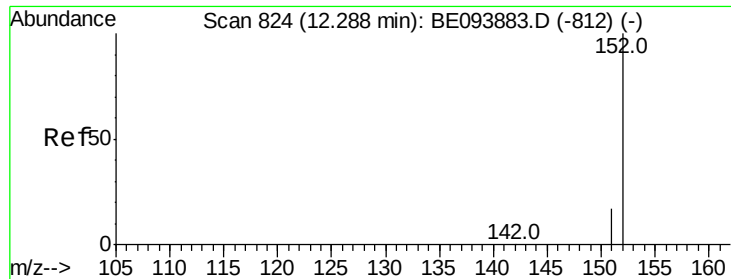


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

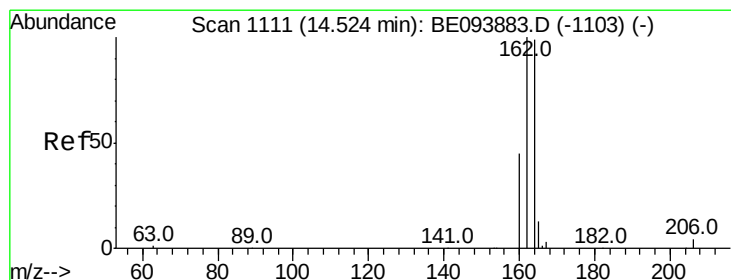
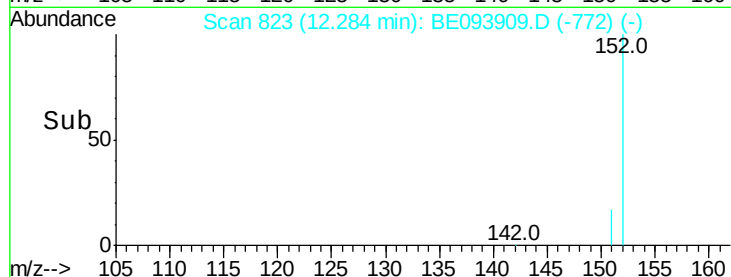
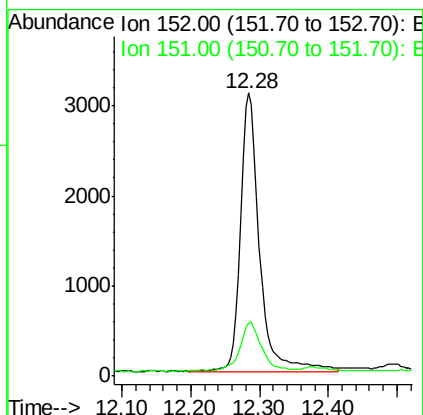
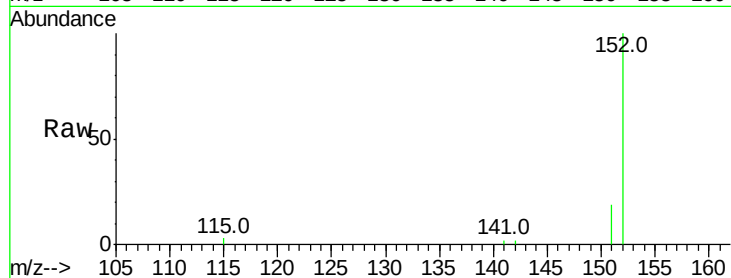




#11
2-Methylnaphthalene-d10
Concen: 0.320 ng
RT: 12.28 min Scan# 823
Delta R.T. -0.00 min
Lab File: BE093909.D
Acq: 1 Sep 2017 19:27

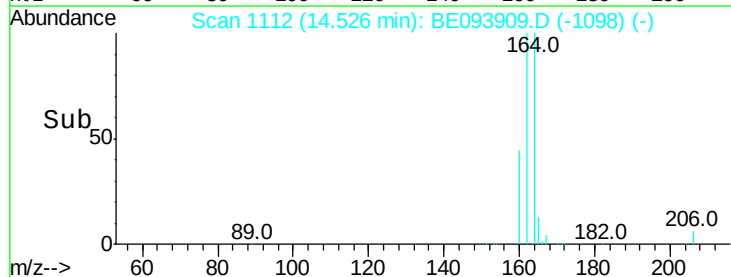
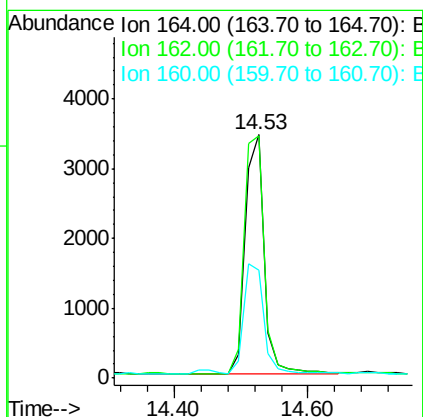
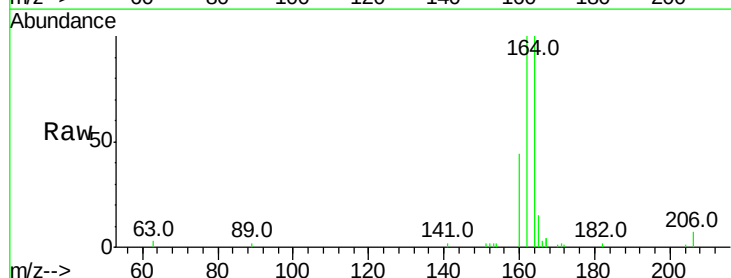
Instrument :
BNA_E
ClientSampleId :
3824-SPP1

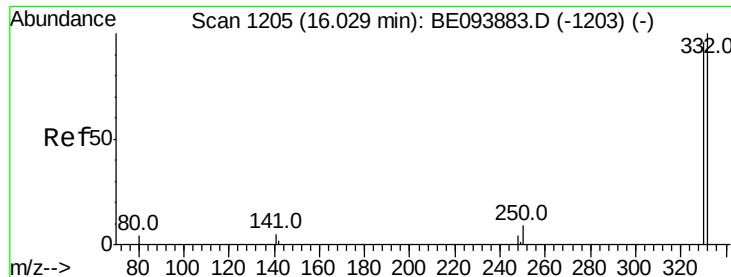
Tot Ion:152 Resp: 5926
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE093909.D
Acq: 1 Sep 2017 19:27

Tgt Ion:164 Resp: 6821
Ion Ratio Lower Upper
164 100
162 99.6 80.8 121.2
160 44.4 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.458 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampleId :

3824-SPP1

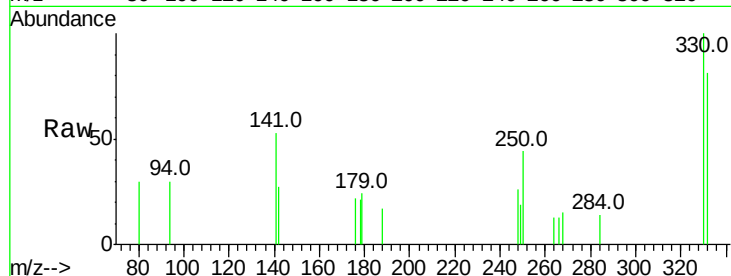
Tot Ion:330 Resp: 837

Ion Ratio Lower Upper

330 100

332 88.5 76.9 115.3

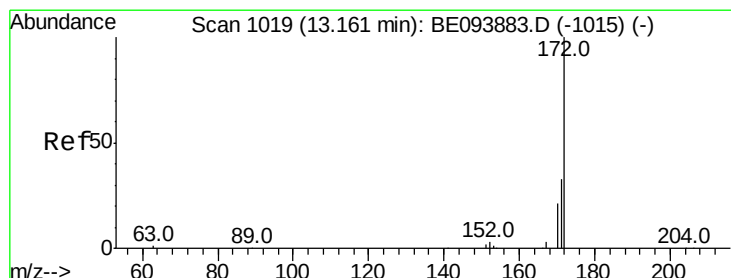
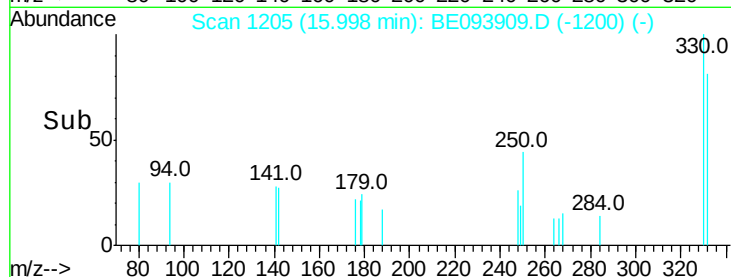
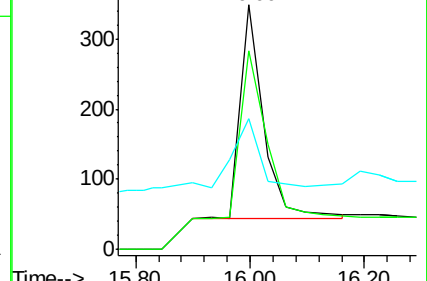
141 37.2 0.0 0.0#



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: 0.360 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

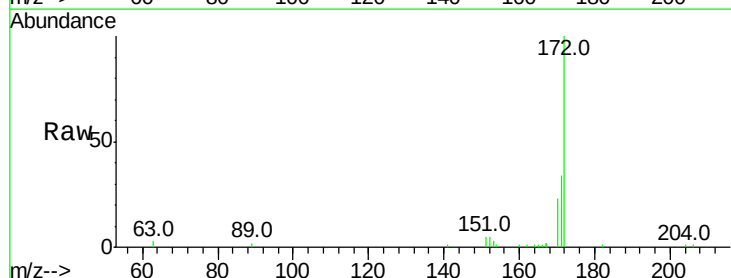
Tgt Ion:172 Resp: 9766

Ion Ratio Lower Upper

172 100

171 34.3 26.9 40.3

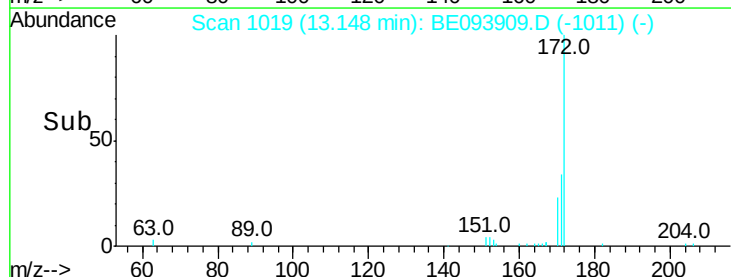
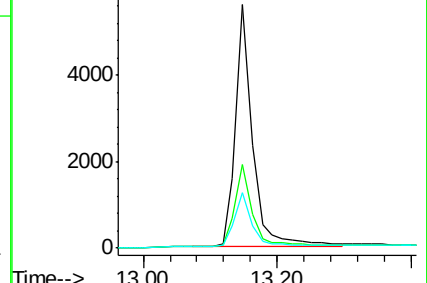
170 22.9 17.3 25.9

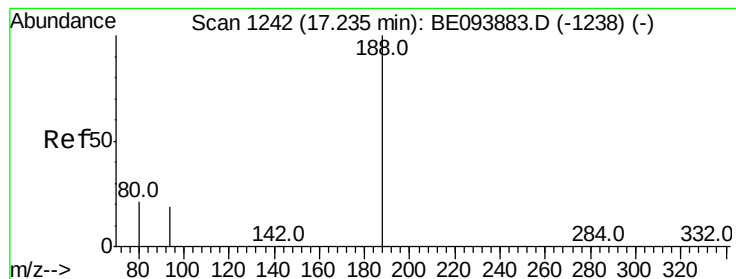


Abundance Ion 172.00 (171.70 to 172.70): E

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: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampleId :

3824-SPP1

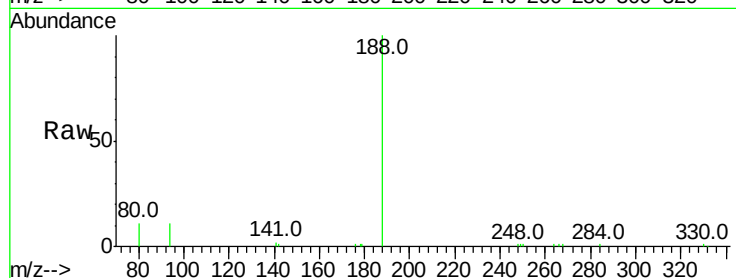
Tot Ion:188 Resp: 18672

Ion Ratio Lower Upper

188 100

94 11.0 16.1 24.1#

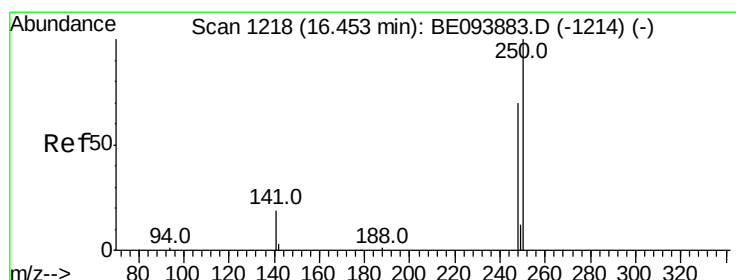
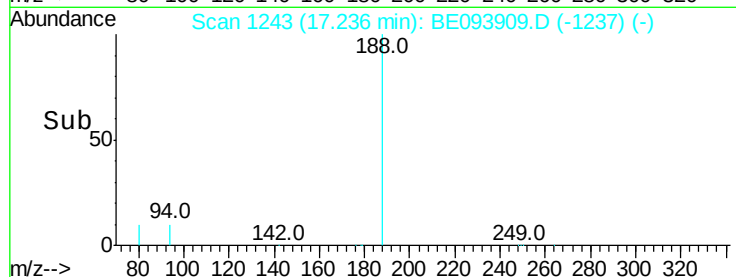
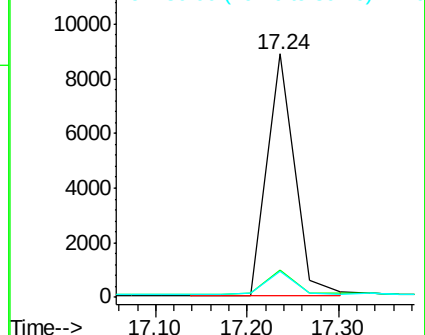
80 10.8 18.2 27.2#



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: 16.26 min Scan# 1213

Delta R.T. -0.19 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

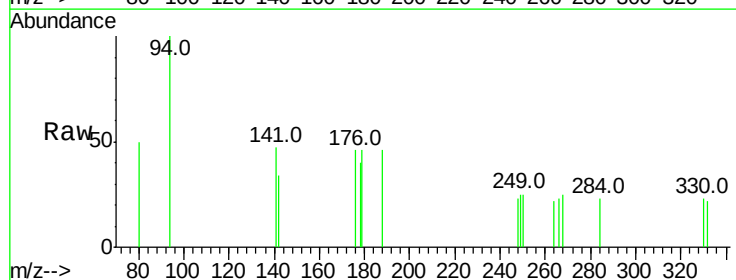
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 110.6 111.8 167.8#

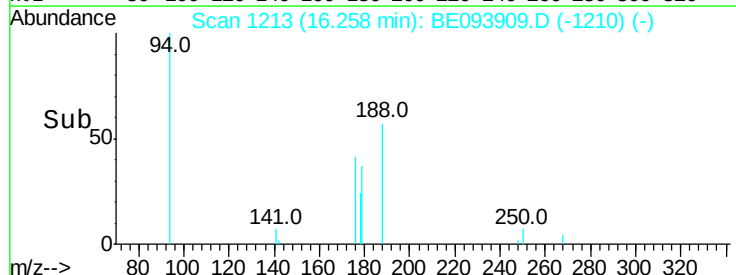
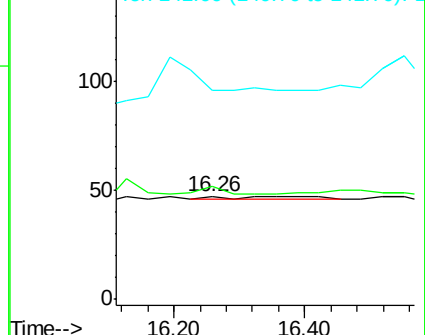
141 204.3 27.1 40.7#

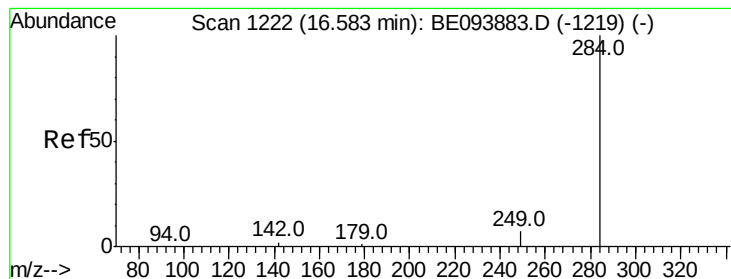


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.62 min Scan# 1224

Delta R.T. 0.03 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampleId :

3824-SPP1

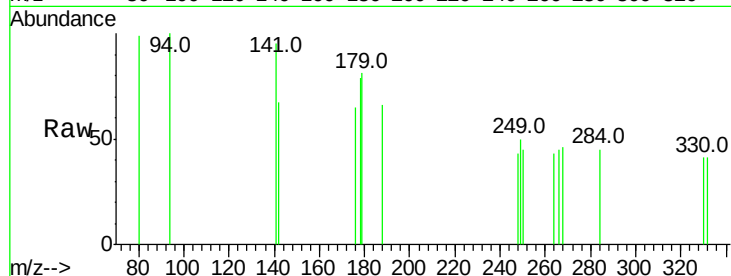
Tot Ion:284 Resp: 12

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

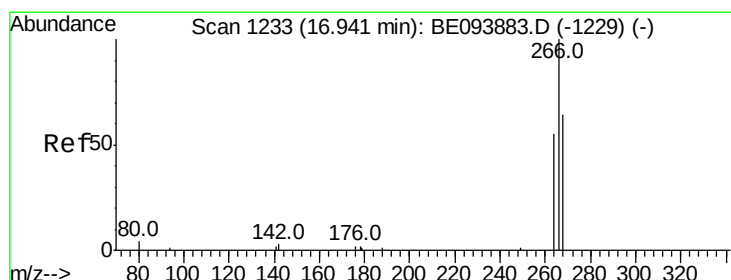
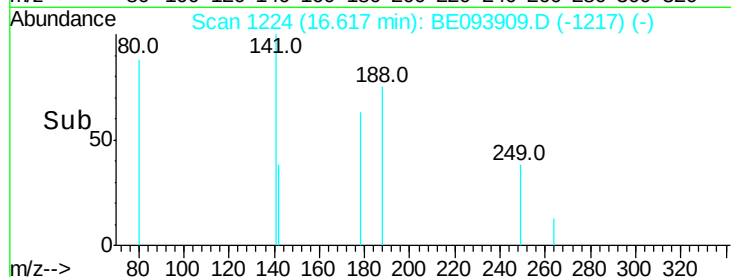
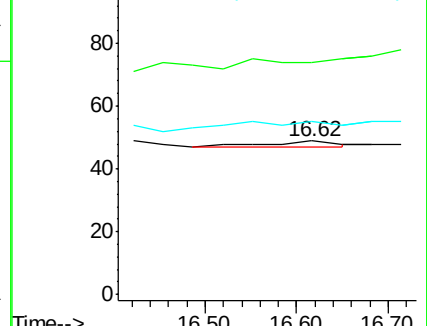
249 0.0 0.0 0.0



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: 0.028 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

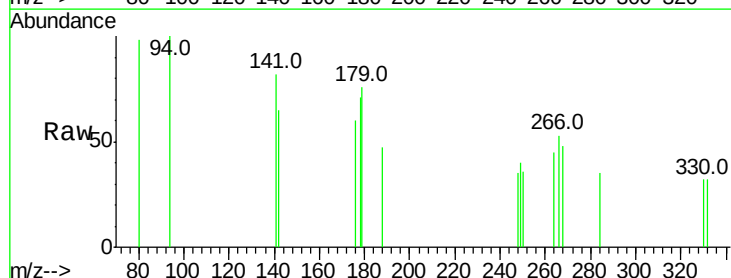
Tgt Ion:266 Resp: 82

Ion Ratio Lower Upper

266 100

264 85.1 53.5 80.3#

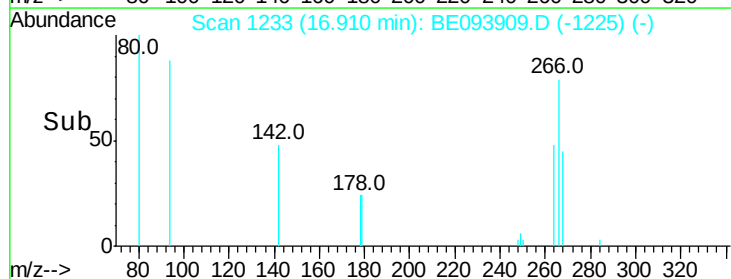
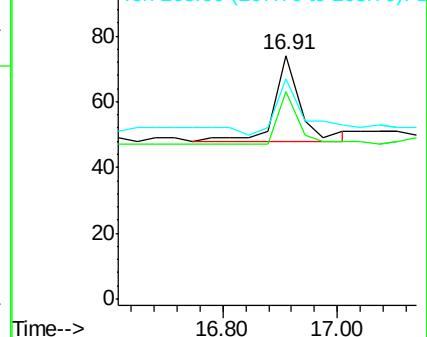
268 90.5 60.0 90.0#

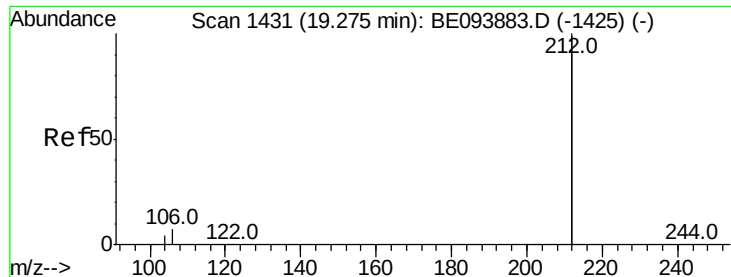


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

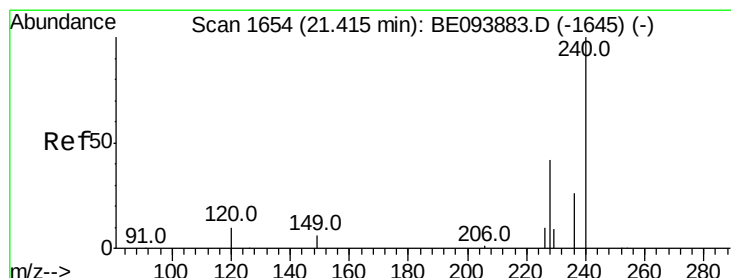
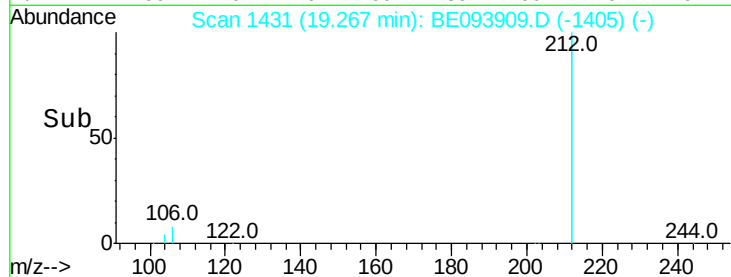
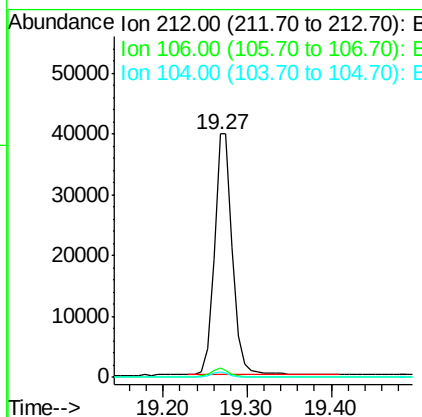
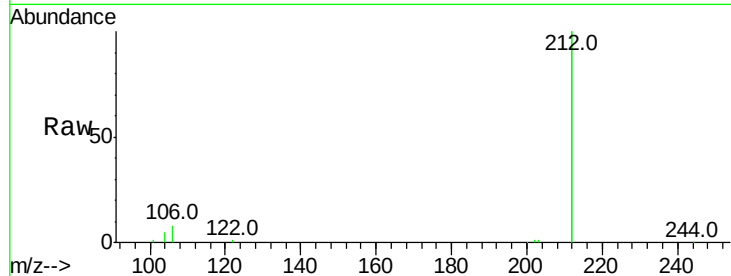




#25
 Fluoranthene-d10
 Concen: 0.279 ng
 RT: 19.27 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BE093909.D
 Acq: 1 Sep 2017 19:27

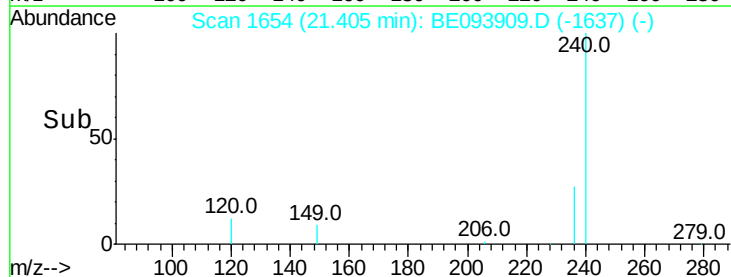
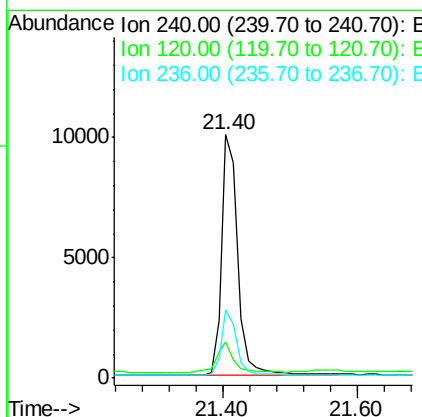
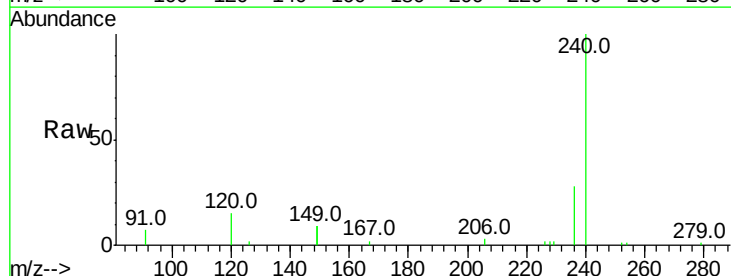
Instrument :
 BNA_E
 ClientSampleId :
 3824-SPP1

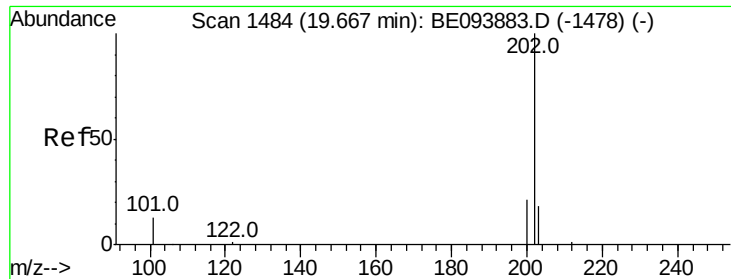
Tot Ion:212 Resp: 60039
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.7 4.1
 104 2.1 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093909.D
 Acq: 1 Sep 2017 19:27

Tgt Ion:240 Resp: 16901
 Ion Ratio Lower Upper
 240 100
 120 14.8 8.7 13.1#
 236 27.8 21.3 31.9

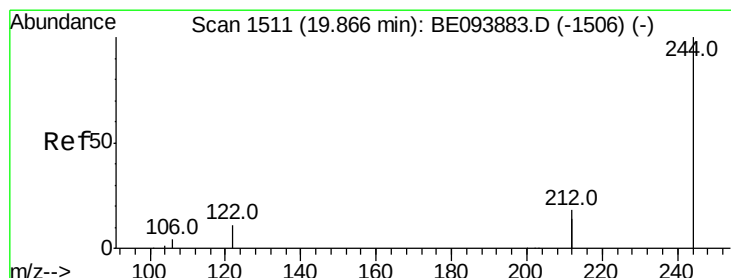
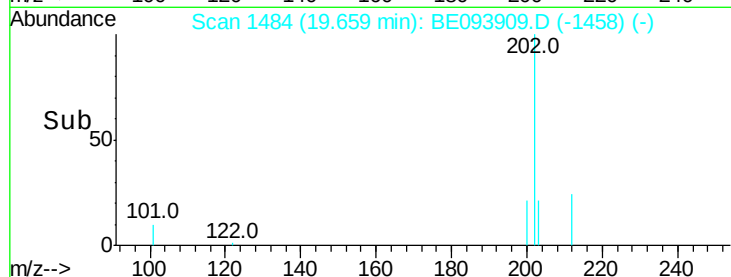
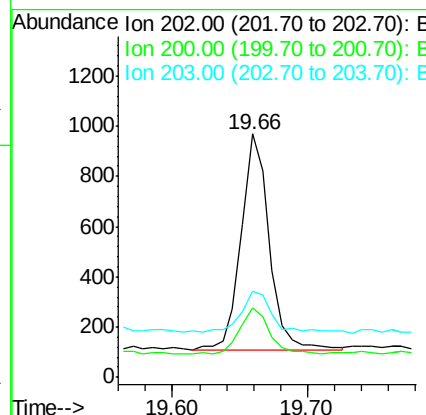
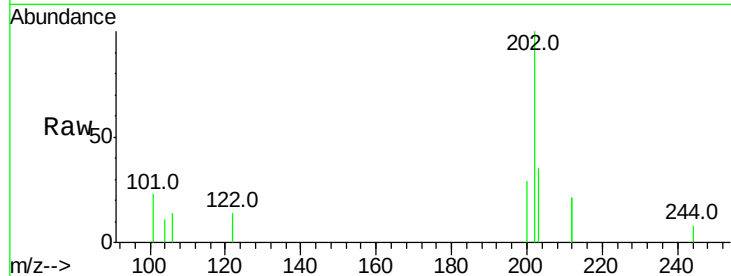




#28
Pvrene
Concen: 0.022 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE093909.D
Acq: 1 Sep 2017 19:27

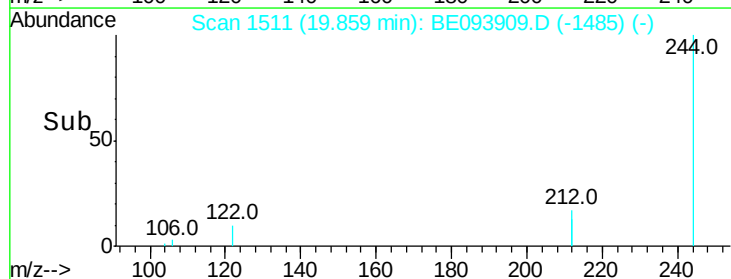
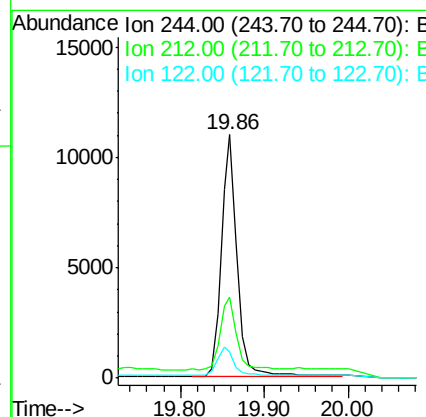
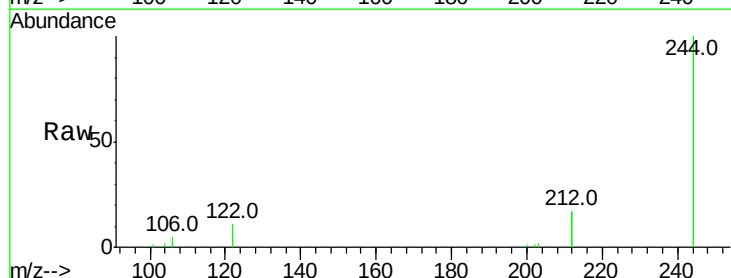
Instrument :
BNA_E
ClientSampleId :
3824-SPP1

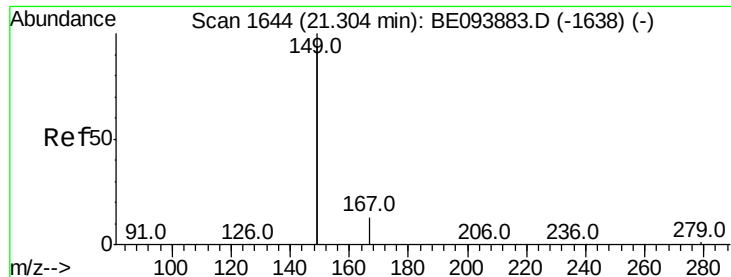
Tot Ion:202 Resp: 1247
Ion Ratio Lower Upper
202 100
200 23.0 16.6 24.8
203 20.6 14.2 21.4



#29
Terphenyl-d14
Concen: 0.472 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE093909.D
Acq: 1 Sep 2017 19:27

Tgt Ion:244 Resp: 14427
Ion Ratio Lower Upper
244 100
212 33.2 28.3 42.5
122 10.8 9.4 14.0





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.574 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

Instrument :

BNA_E

ClientSampled :

3824-SPP1

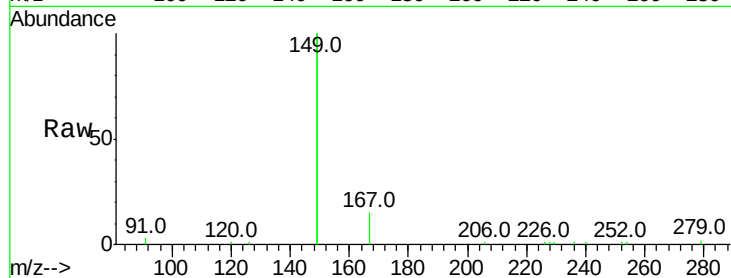
Tot Ion:149 Resp: 60783

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

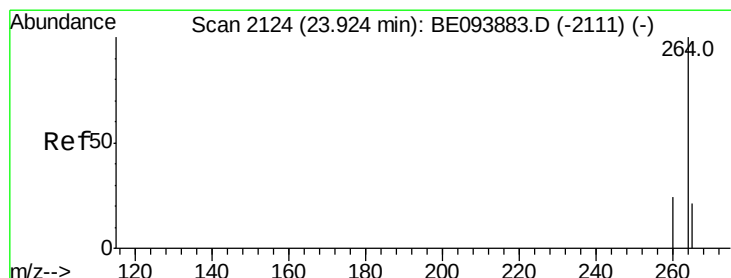
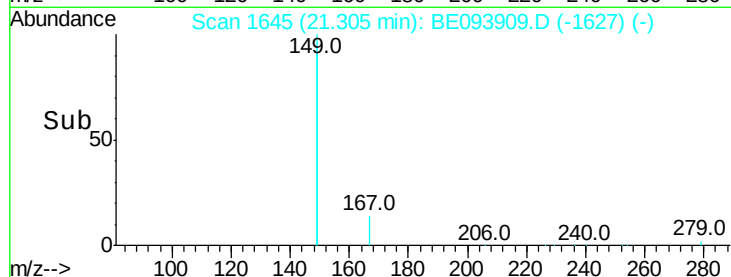
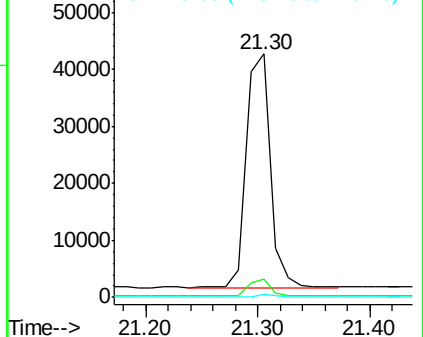
279 0.9 0.7 1.1



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

Perylene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE093909.D

Acq: 1 Sep 2017 19:27

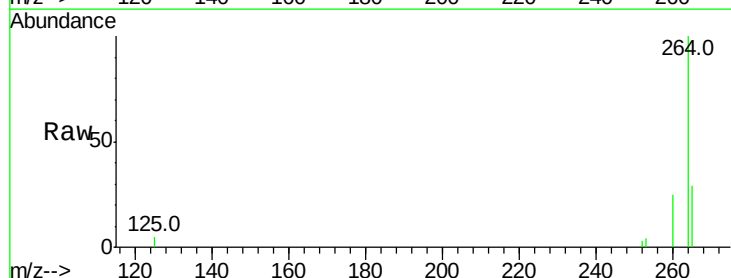
Tgt Ion:264 Resp: 14500

Ion Ratio Lower Upper

264 100

260 24.9 20.0 30.0

265 29.3 24.0 36.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

