

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091517\
 Data File : BE094016.D
 Acq On : 15 Sep 2017 12:51
 Operator : SJ/JU
 Sample : I5189-02RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02-090817RE

Quant Time: Sep 18 14:23:20 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	5592	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	29798	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	34750	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	55398	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	42638	0.40	ng	-0.01
34) Perylene-d12	23.93	264	33653	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	953	0.05	ng	-0.02
5) Phenol-d6	7.11	99	648	0.02	ng	0.00
8) Nitrobenzene-d5	9.06	82	2849	0.11	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5402	0.11	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	1659	0.15	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	8458	0.06	ng	-0.01
25) Fluoranthene-d10	19.27	212	53958	0.07	ng	0.00
29) Terphenyl-d14	19.86	244	11620	0.15	ng	-0.02

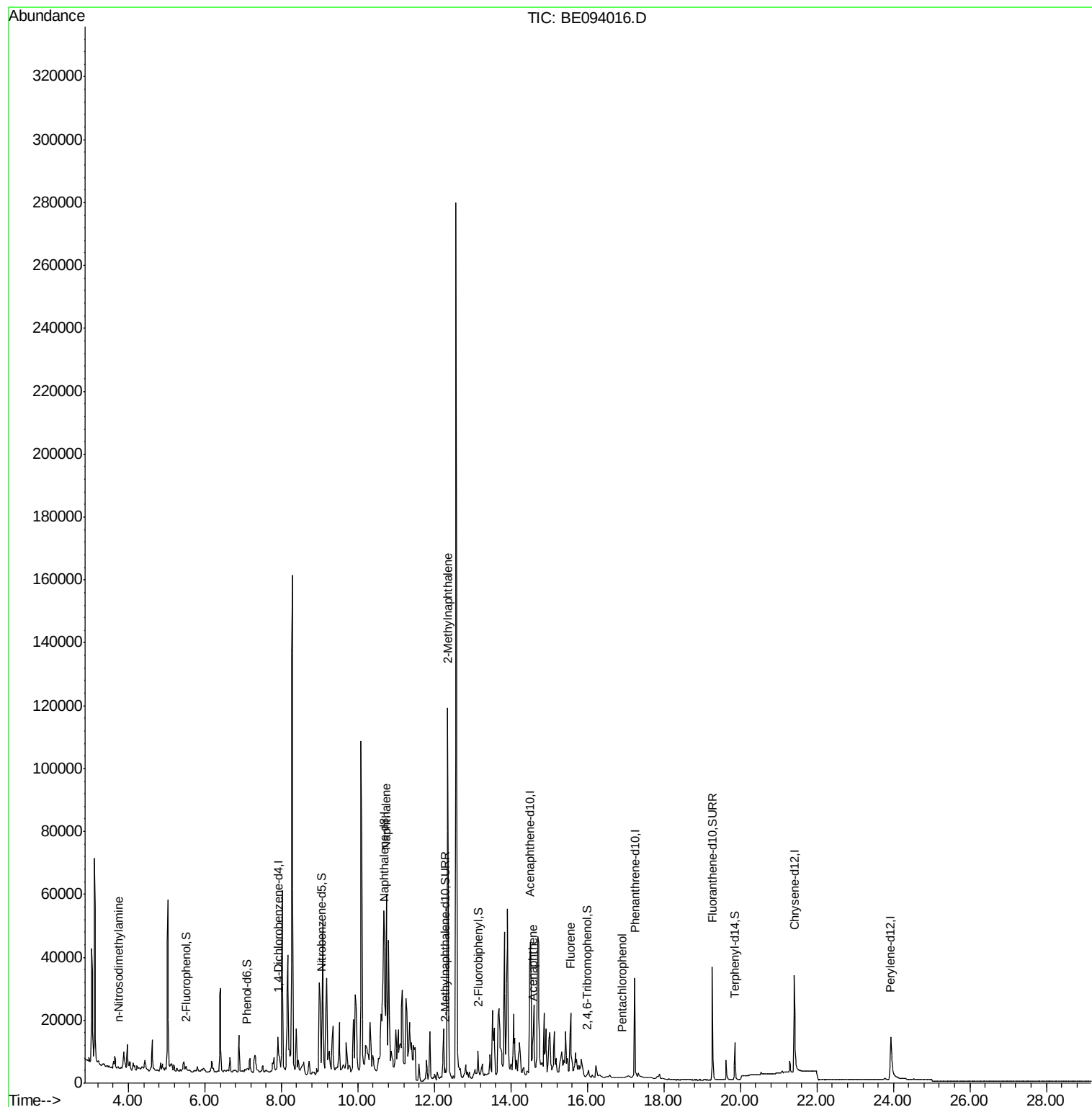
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.74	42	415	0.046	ng	# 1
9) Naphthalene	10.74	128	79152	0.232	ng	# 85
12) 2-Methylnaphthalene	12.35	142	88591	1.562	ng	# 99
17) Acenaphthene	14.57	154	4125	0.035	ng	# 60
18) Fluorene	15.56	166	10137	0.067	ng	# 80
20) 4-Bromophenyl-phenylether	16.42	248	39	Below Cal		# 1
22) Pentachlorophenol	16.91	266	518	0.059	ng	# 94
23) Phenanthrene	17.27	178	1371	Below Cal		# 61

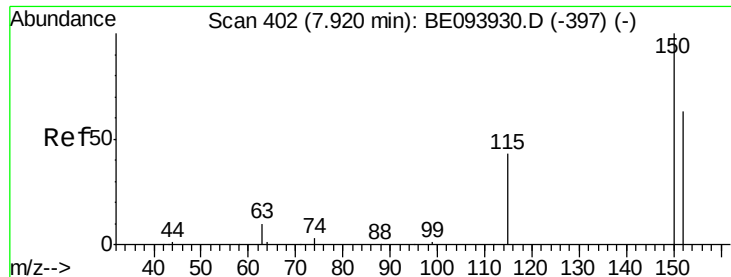
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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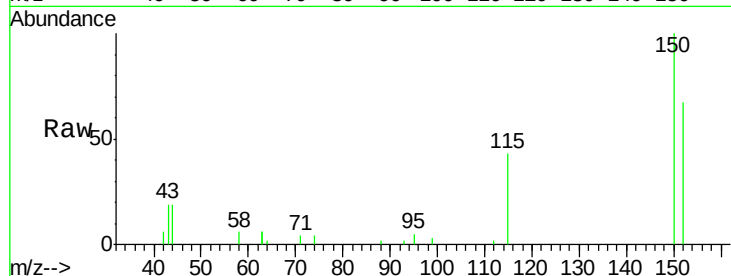


#1

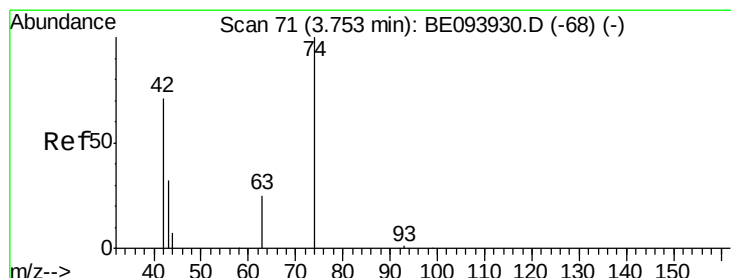
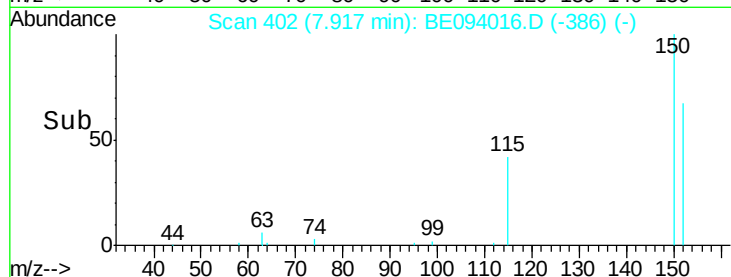
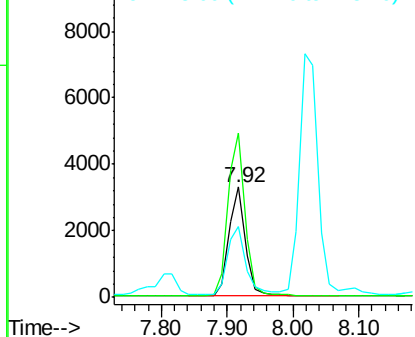
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094016.D
Acq: 15 Sep 2017 12:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-02-090817RE

Tgt Ion: 152 Resp: 5592
Ion Ratio Lower Upper
152 100
150 149.3 121.8 182.6
115 63.8 52.6 79.0



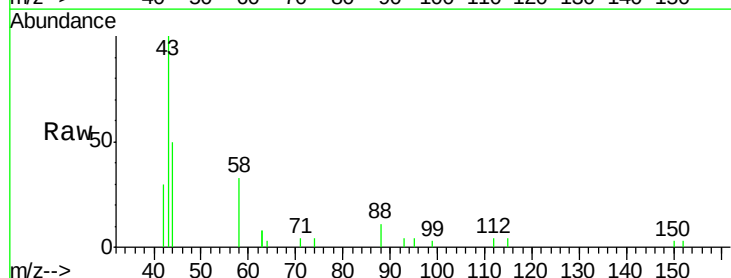
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



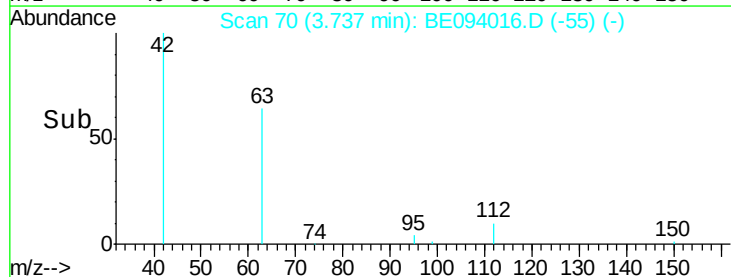
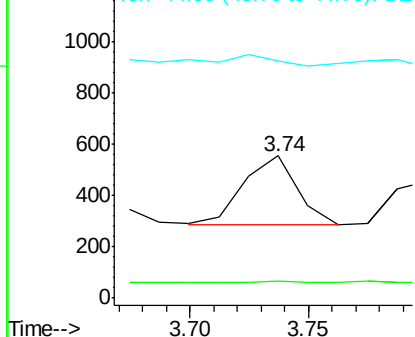
#3

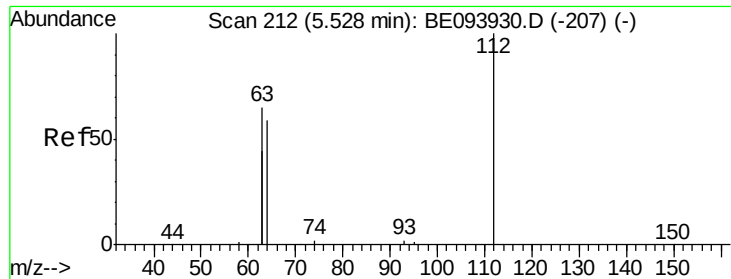
n-Nitrosodimethylamine
Concen: 0.046 ng
RT: 3.74 min Scan# 70
Delta R.T. -0.02 min
Lab File: BE094016.D
Acq: 15 Sep 2017 12:51

Tgt Ion: 42 Resp: 415
Ion Ratio Lower Upper
42 100
74 1.9 104.0 156.0#
44 11.3 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: 0.053 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.02 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

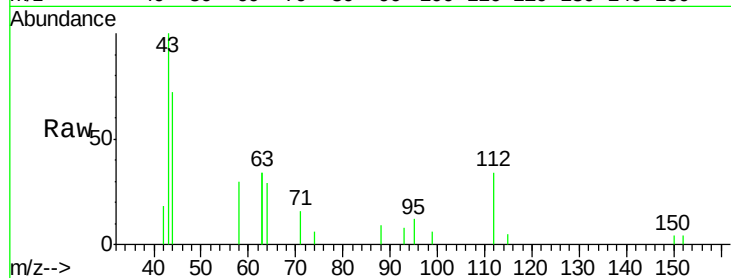
Tgt Ion: 112 Resp: 953

Ion Ratio Lower Upper

112 100

64 61.7 57.7 86.5

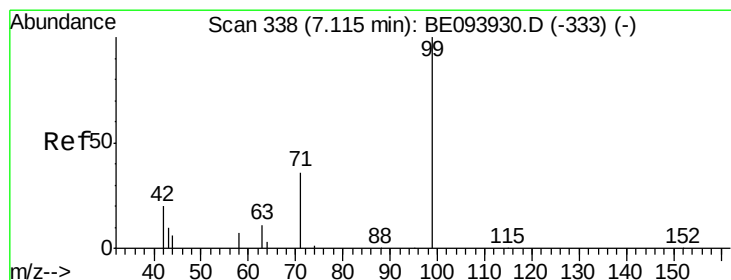
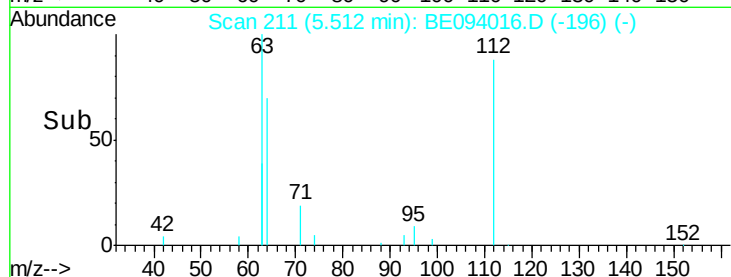
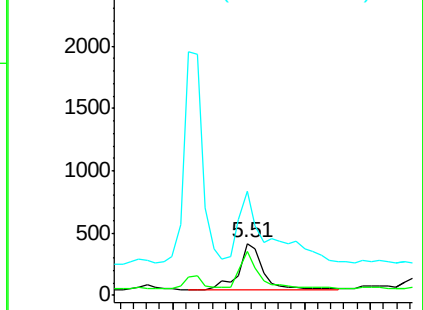
63 191.6 116.0 174.0#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.024 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

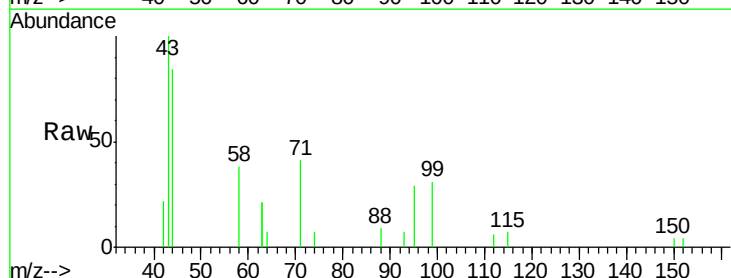
Tgt Ion: 99 Resp: 648

Ion Ratio Lower Upper

99 100

42 22.7 17.1 25.7

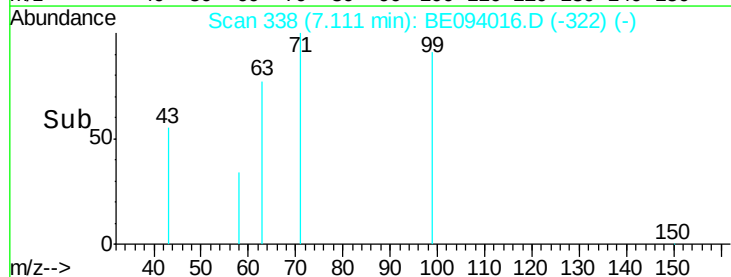
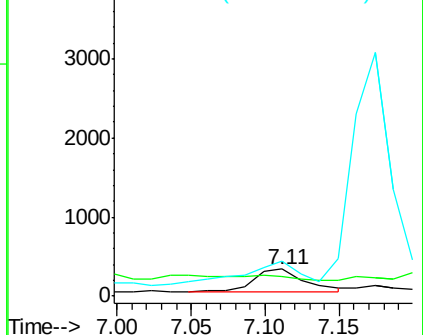
71 130.4 26.6 39.8#

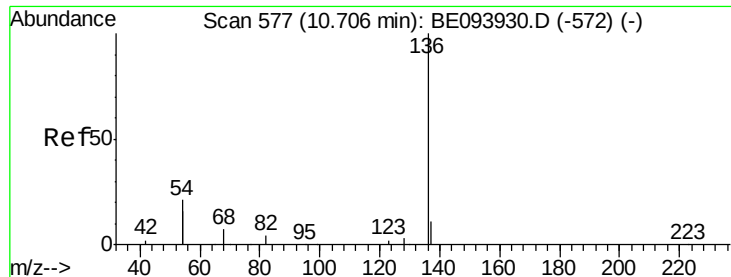


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

Tgt Ion:136 Resp: 29798

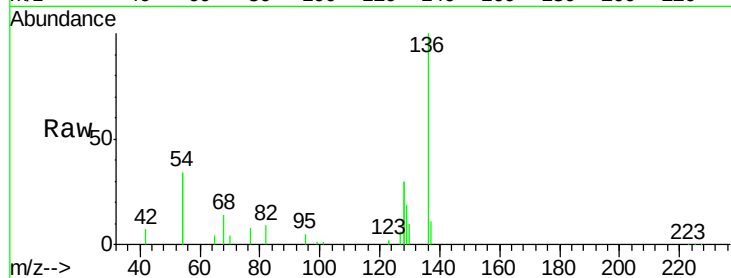
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 68.3 21.9 32.9#

68 13.9 4.6 7.0#

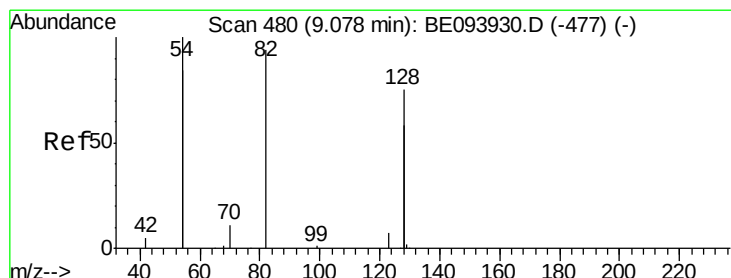
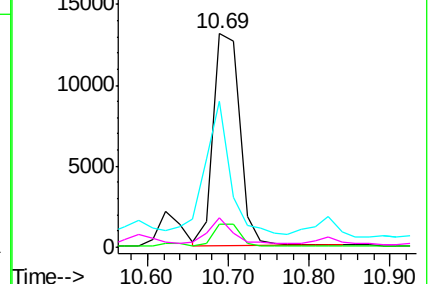
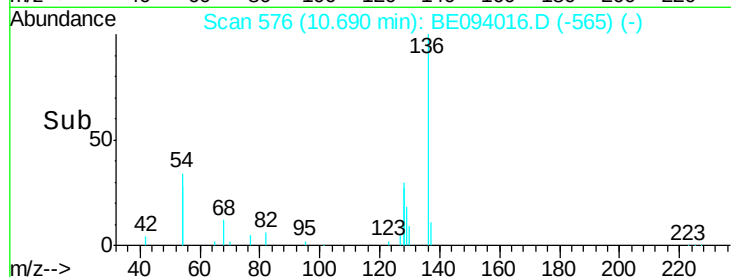


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.113 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

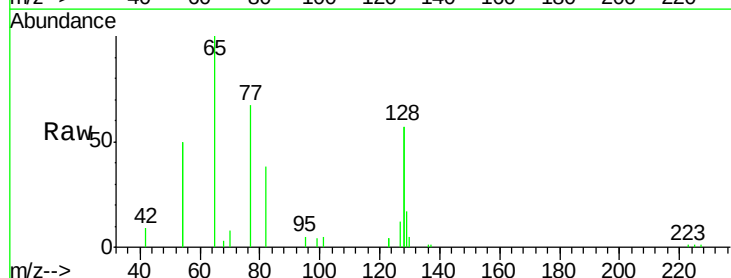
Tgt Ion: 82 Resp: 2849

Ion Ratio Lower Upper

82 100

128 303.2 91.4 137.0#

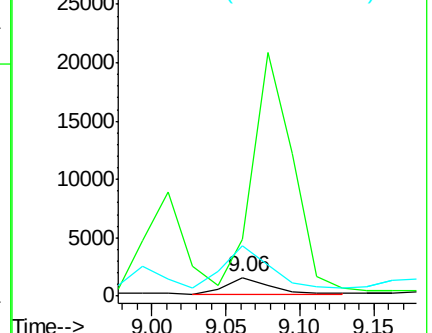
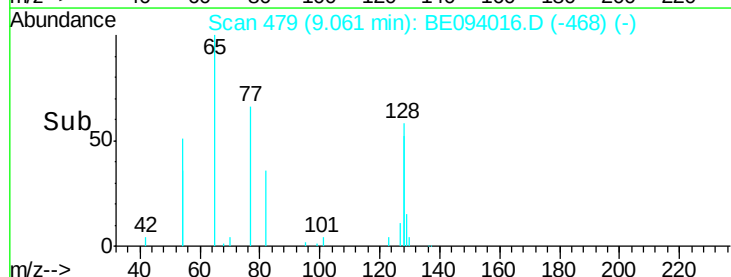
54 266.9 197.8 296.8

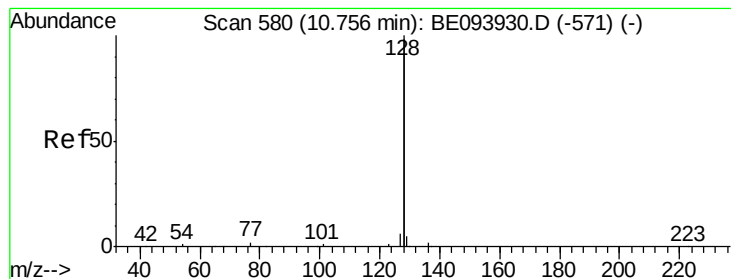


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.232 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

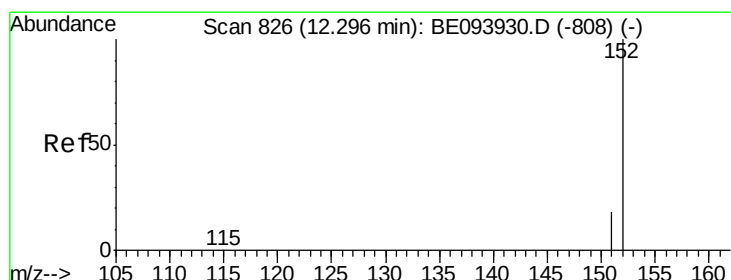
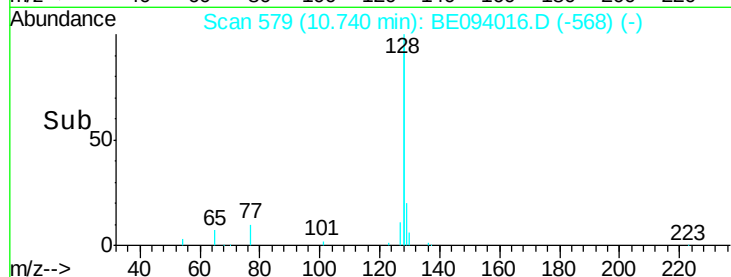
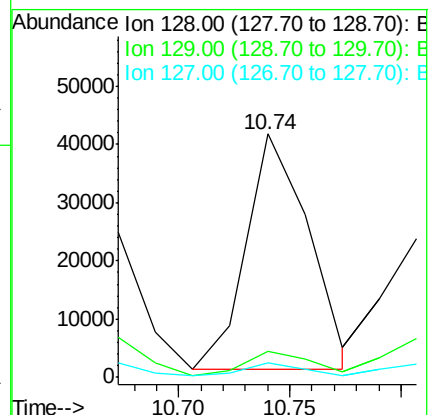
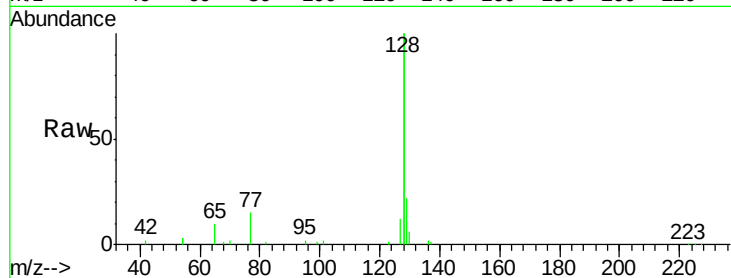
Tgt Ion:128 Resp: 79152

Ion Ratio Lower Upper

128 100

129 10.9 2.5 3.7#

127 5.8 2.6 4.0#



#11

2-Methylnaphthalene-d10

Concen: 0.113 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.02 min

Lab File: BE094016.D

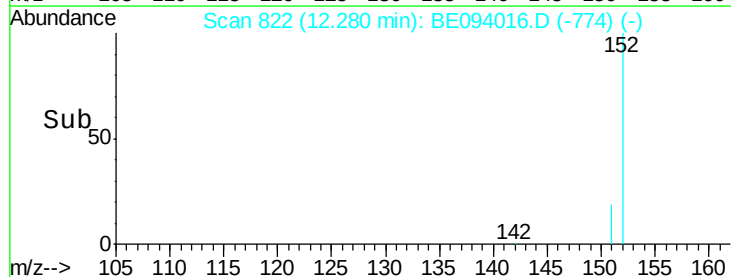
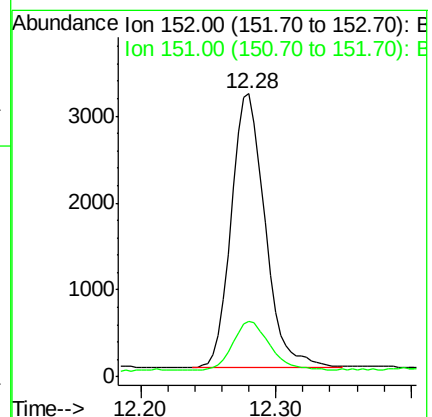
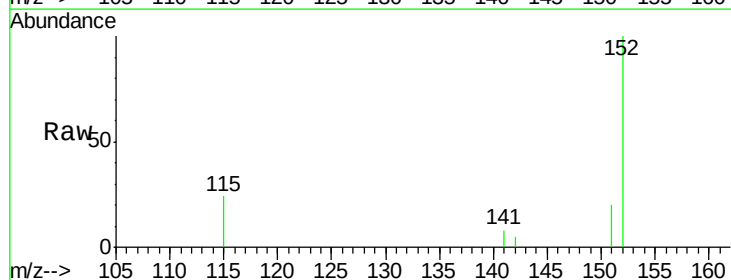
Acq: 15 Sep 2017 12:51

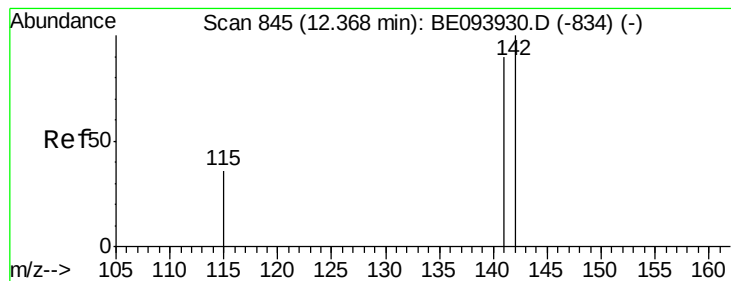
Tgt Ion:152 Resp: 5402

Ion Ratio Lower Upper

152 100

151 19.8 15.4 23.0





#12

2-Methylnaphthalene

Concen: 1.562 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

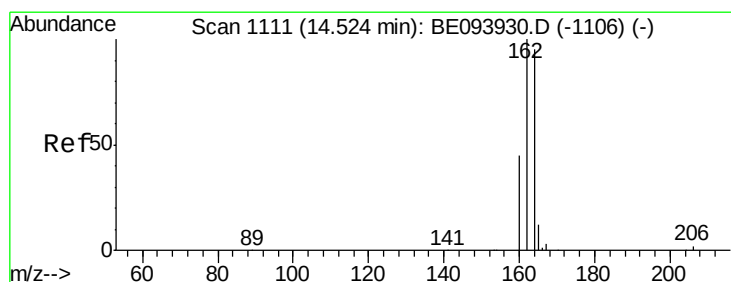
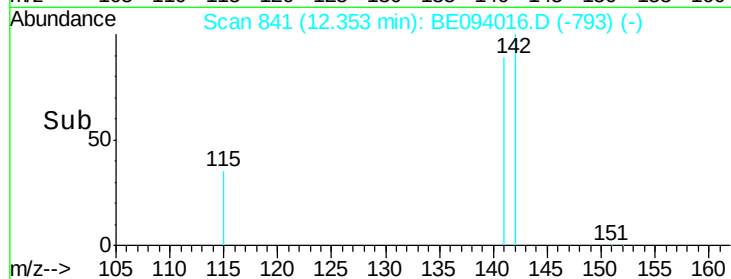
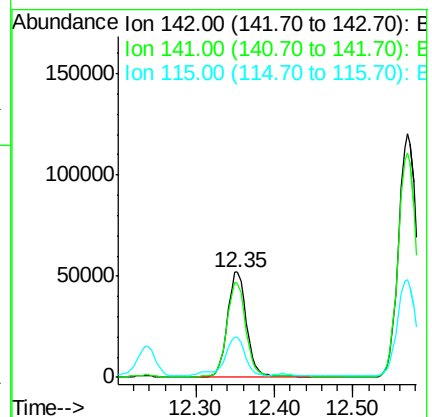
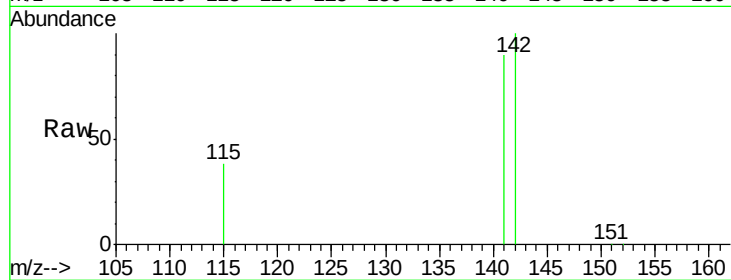
Tgt Ion:142 Resp: 88591

Ion Ratio Lower Upper

142 100

141 89.8 71.4 107.2

115 38.0 29.4 44.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

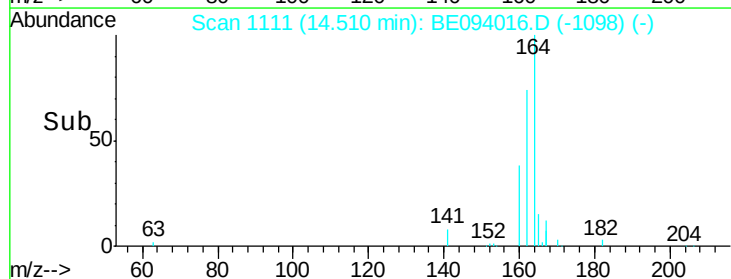
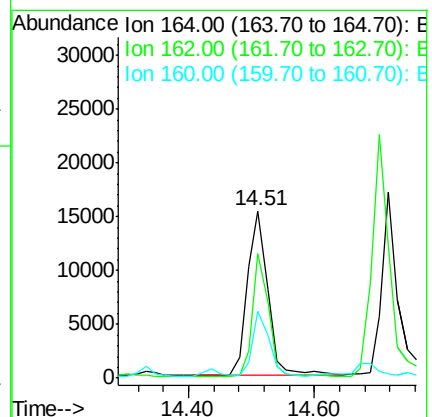
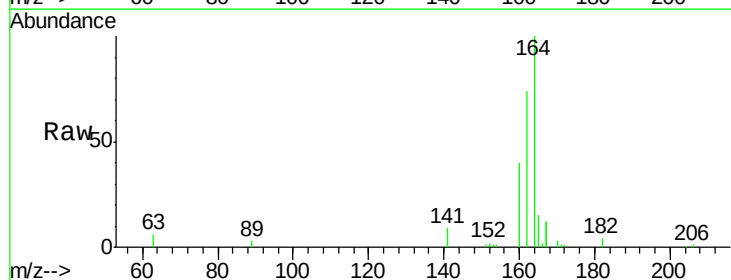
Tgt Ion:164 Resp: 34750

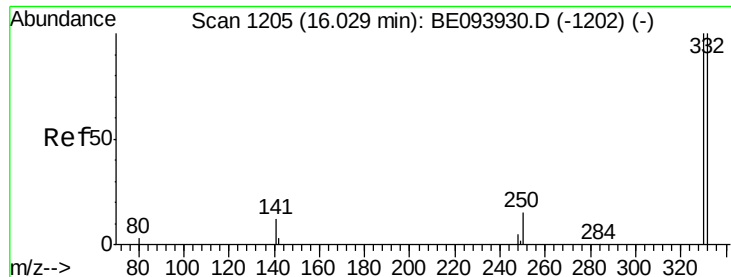
Ion Ratio Lower Upper

164 100

162 74.3 80.8 121.2#

160 40.4 37.0 55.4

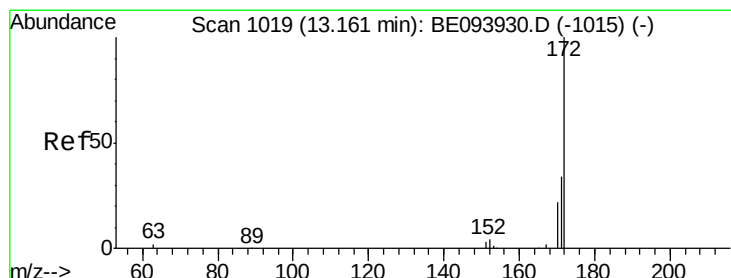
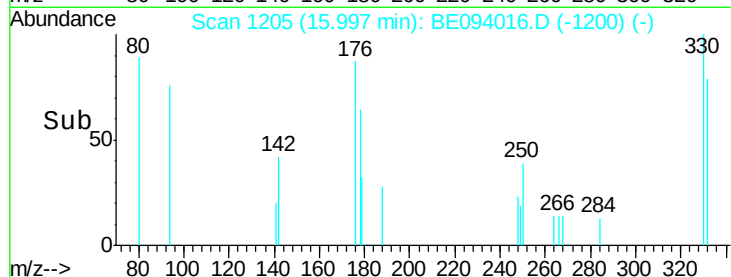
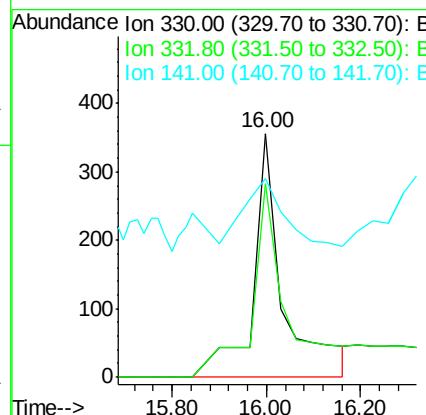
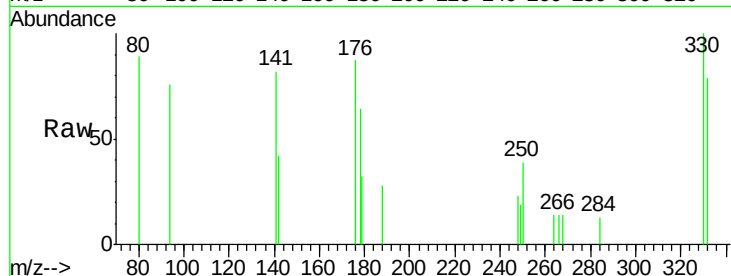




#14
 2,4,6-Tribromophenol
 Concen: 0.154 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BE094016.D
 Acq: 15 Sep 2017 12:51

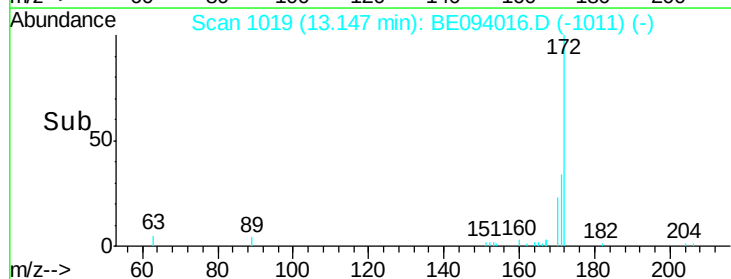
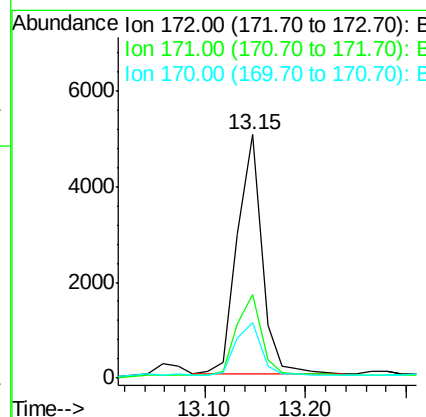
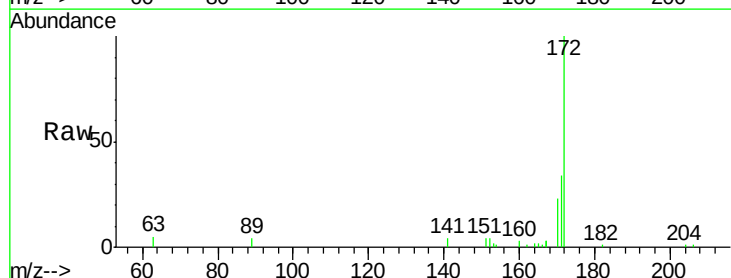
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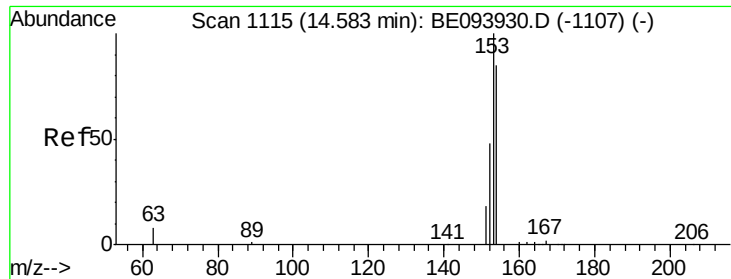
Tgt Ion: 330 Resp: 1659
 Ion Ratio Lower Upper
 330 100
 332 92.1 76.9 115.3
 141 34.8 0.0 0.0#



#15
 2-Fluorobiphenyl
 Concen: 0.062 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BE094016.D
 Acq: 15 Sep 2017 12:51

Tgt Ion: 172 Resp: 8458
 Ion Ratio Lower Upper
 172 100
 171 34.4 26.9 40.3
 170 22.7 17.3 25.9





#17

Acenaphthene

Concen: 0.035 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

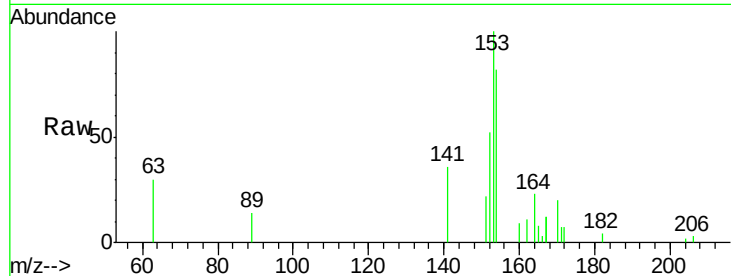
Tgt Ion:154 Resp: 4125

Ion Ratio Lower Upper

154 100

153 146.1 91.8 137.6#

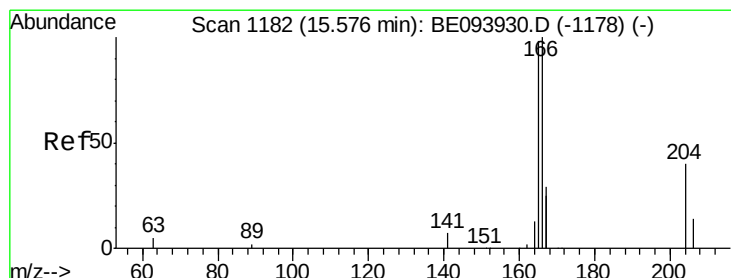
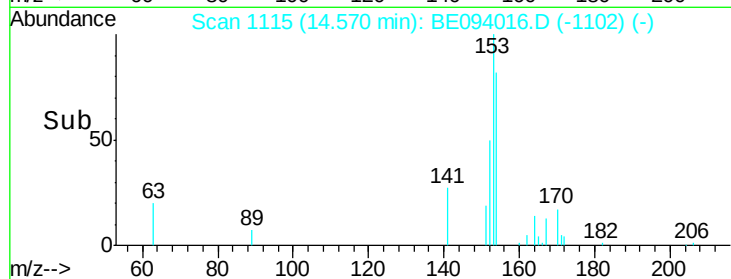
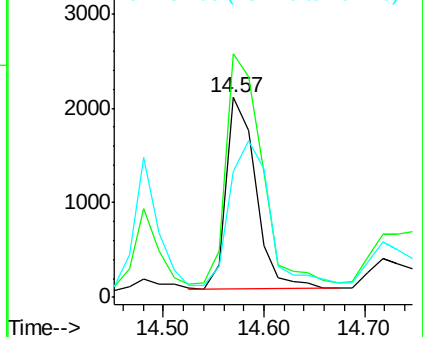
152 101.3 44.9 67.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.067 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

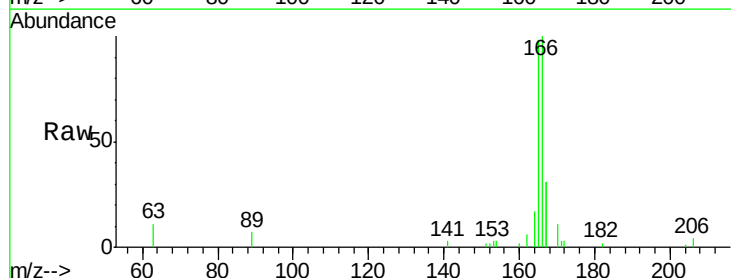
Tgt Ion:166 Resp: 10137

Ion Ratio Lower Upper

166 100

165 101.3 79.4 119.0

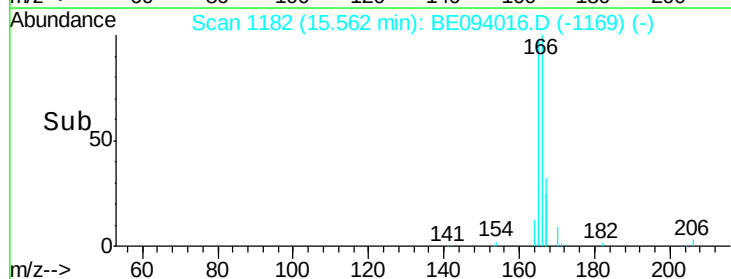
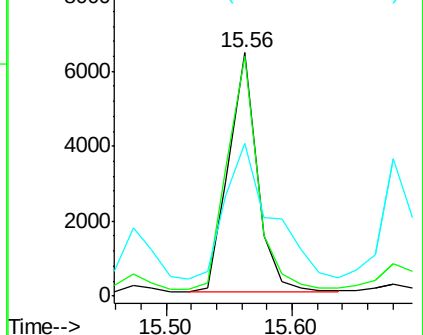
167 91.4 43.5 65.3#

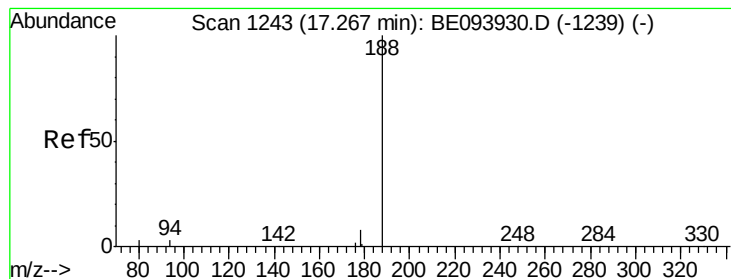


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

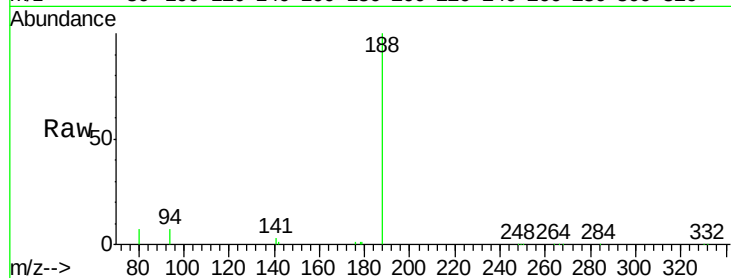
Tgt Ion:188 Resp: 55398

Ion Ratio Lower Upper

188 100

94 7.1 16.1 24.1#

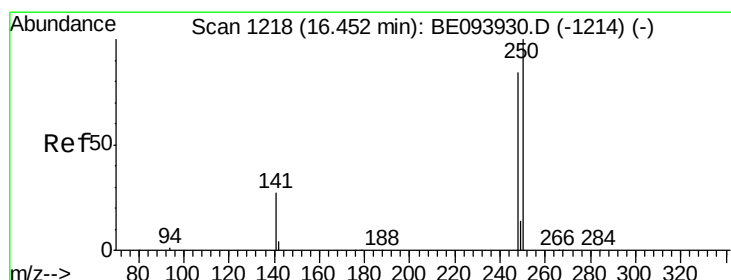
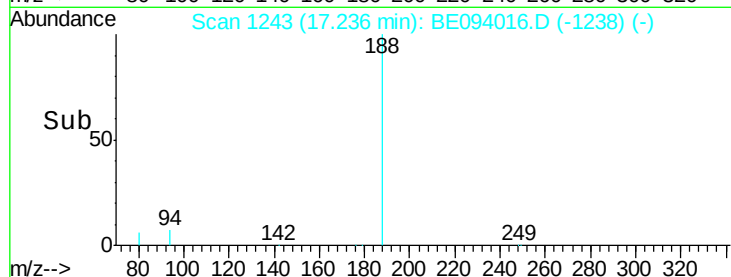
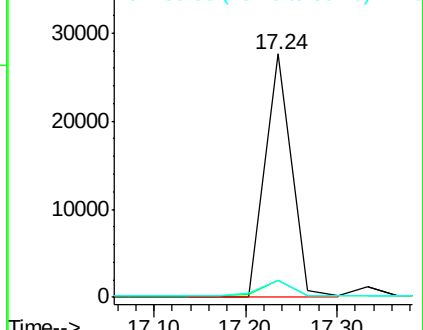
80 6.8 18.2 27.2#



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: BE094016.D

Acq: 15 Sep 2017 12:51

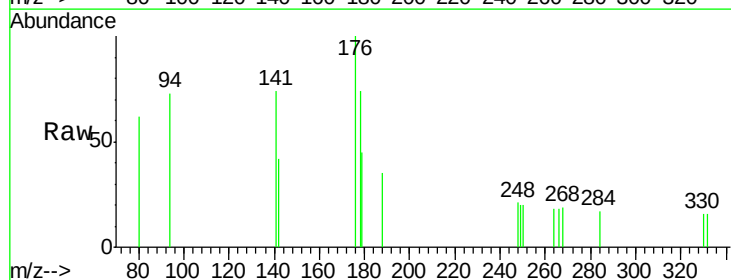
Tgt Ion:248 Resp: 39

Ion Ratio Lower Upper

248 100

250 96.6 111.8 167.8#

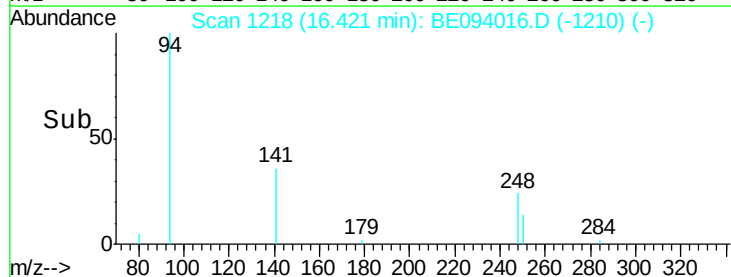
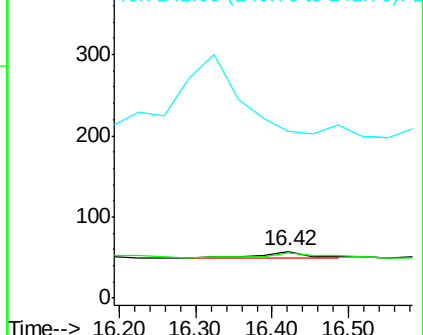
141 355.2 27.1 40.7#

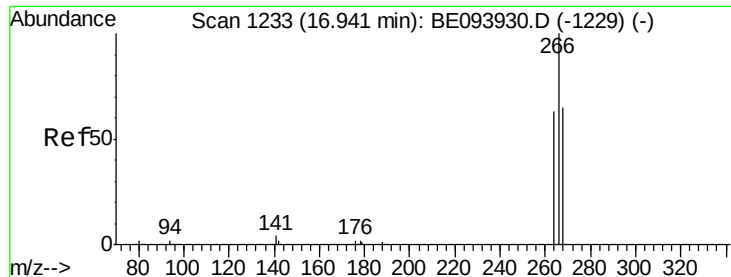


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

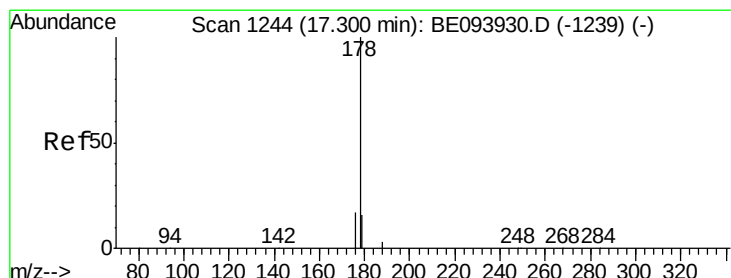
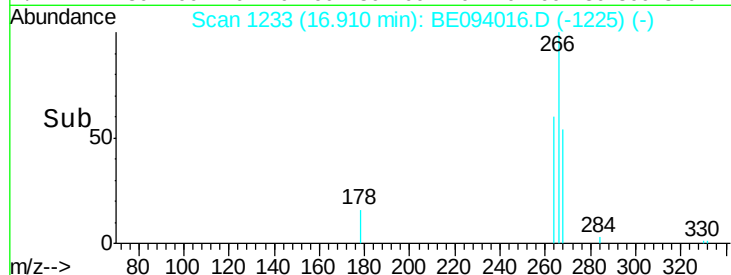
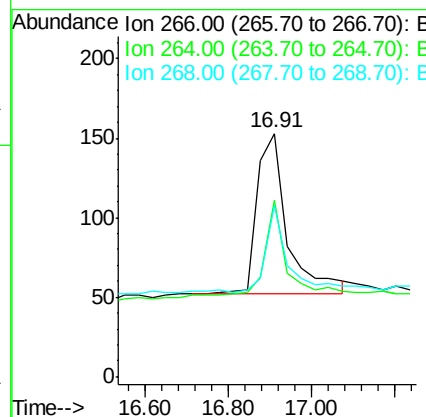
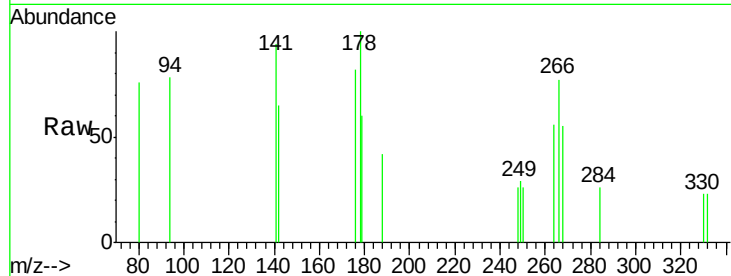




#22
 Pentachlorophenol
 Concen: 0.059 ng
 RT: 16.91 min Scan# 1233
 Delta R.T. -0.03 min
 Lab File: BE094016.D
 Acq: 15 Sep 2017 12:51

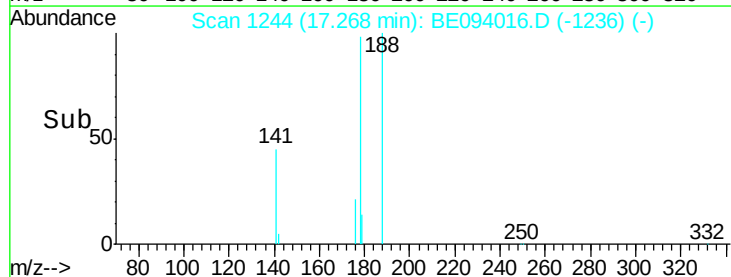
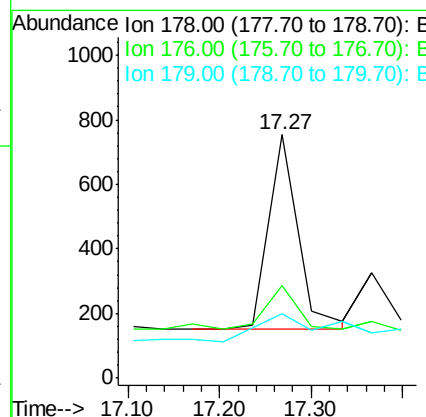
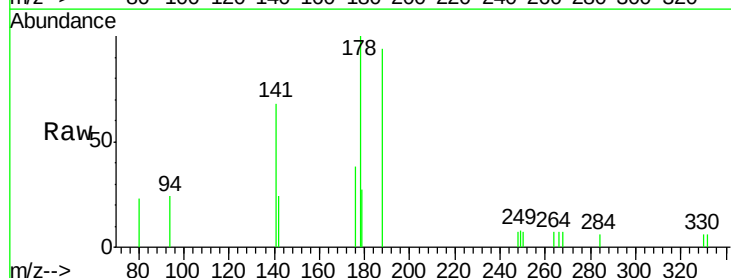
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02-090817RE

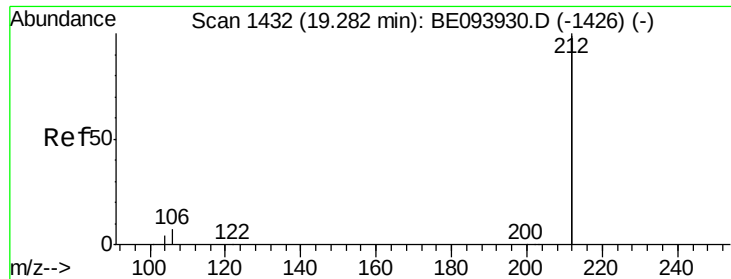
Tgt Ion: 266 Resp: 518
 Ion Ratio Lower Upper
 266 100
 264 72.5 53.5 80.3
 268 70.6 60.0 90.0



#23
 Phenanthrene
 Concen: Below Cal
 RT: 17.27 min Scan# 1244
 Delta R.T. -0.03 min
 Lab File: BE094016.D
 Acq: 15 Sep 2017 12:51

Tgt Ion: 178 Resp: 1371
 Ion Ratio Lower Upper
 178 100
 176 26.1 0.0 0.0#
 179 32.2 12.6 18.8#





#25

Fluoranthene-d10

Concen: 0.065 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

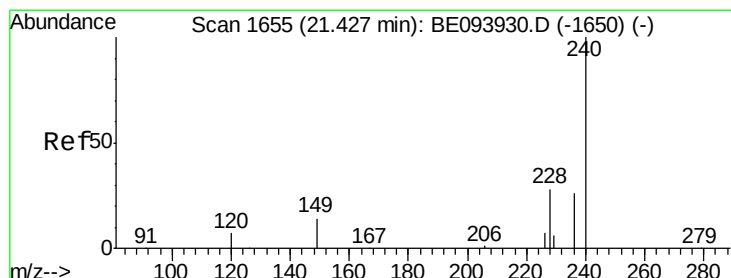
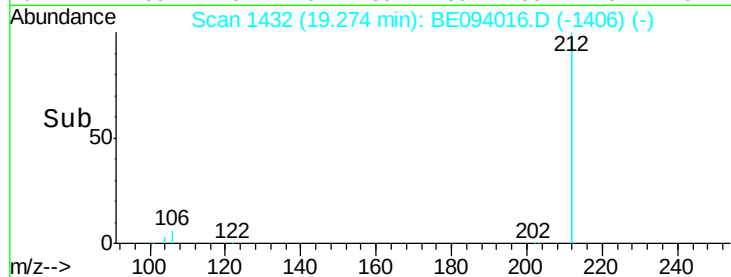
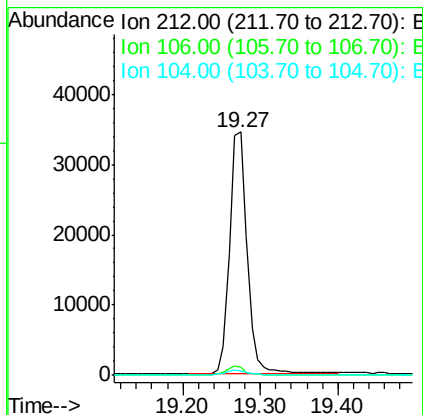
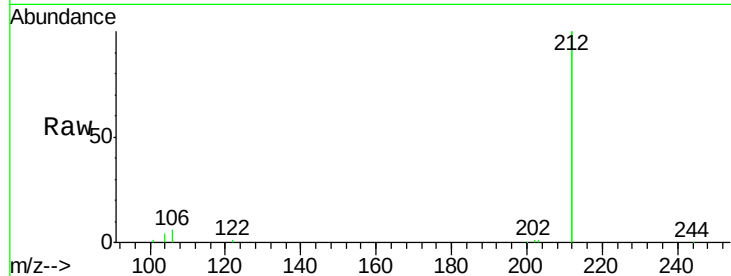
Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

Tgt Ion:	212	Resp:	53958
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

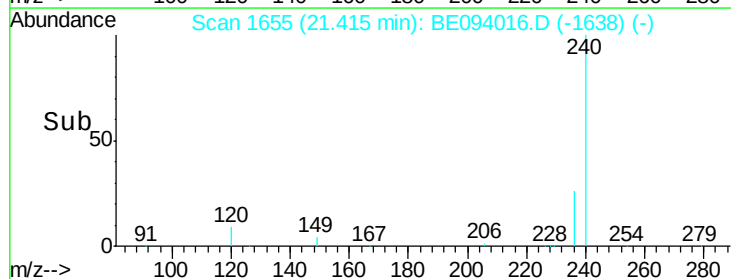
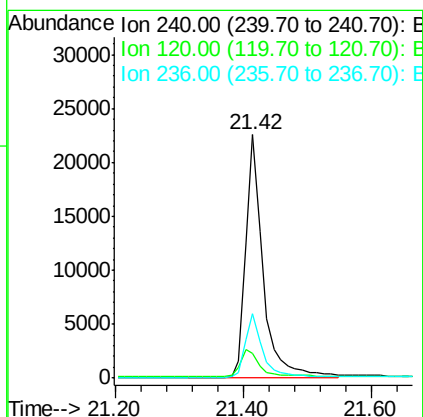
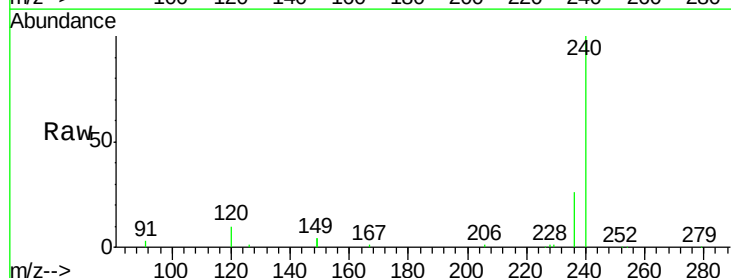
RT: 21.42 min Scan# 1655

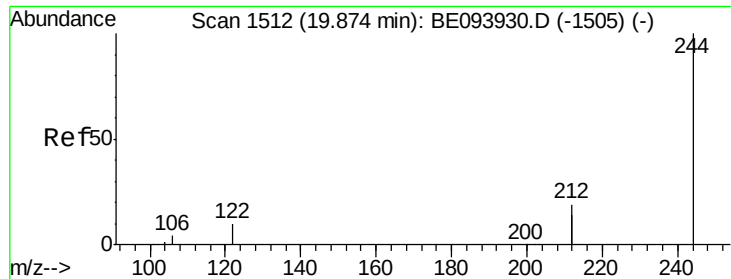
Delta R.T. -0.01 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Tgt Ion:	240	Resp:	42638
Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.7	13.1
236	26.3	21.3	31.9





#29

Terphenyl-d14

Concen: 0.148 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.02 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817RE

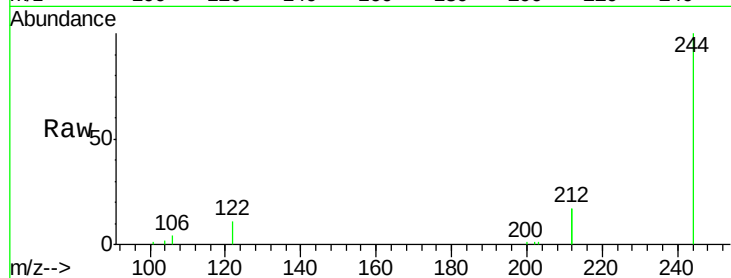
Tgt Ion:244 Resp: 11620

Ion Ratio Lower Upper

244 100

212 33.2 28.3 42.5

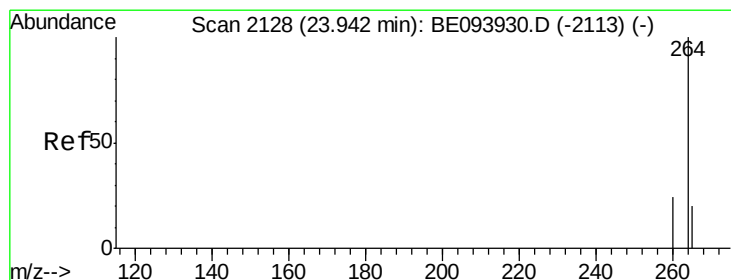
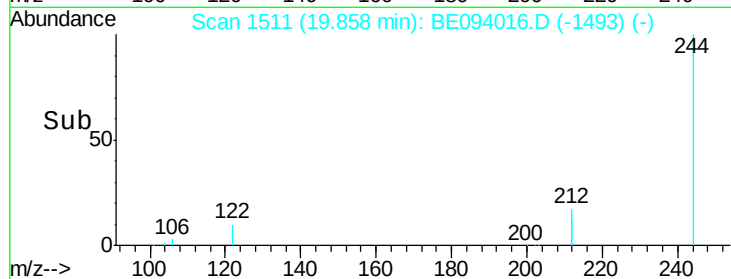
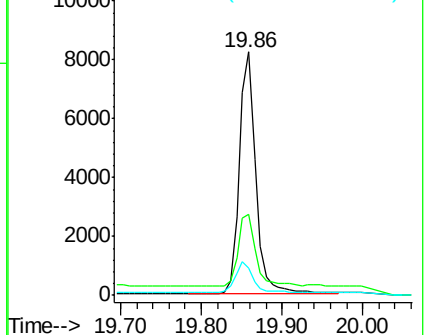
122 11.1 9.4 14.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE094016.D

Acq: 15 Sep 2017 12:51

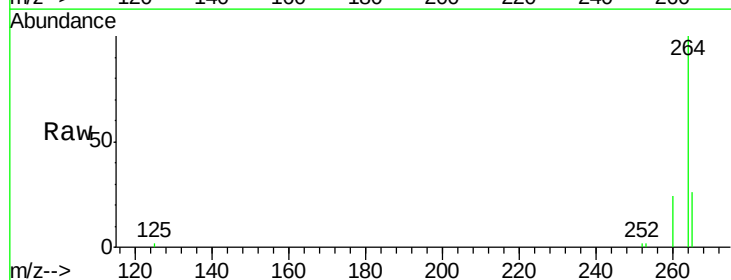
Tgt Ion:264 Resp: 33653

Ion Ratio Lower Upper

264 100

260 24.4 20.0 30.0

265 26.4 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

