

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093924.D
 Acq On : 2 Sep 2017 7:46
 Operator : SJ/JU
 Sample : I4963-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3831-PA3

Quant Time: Sep 04 01:04:11 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	2321	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11749	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7140	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	13182	0.40	ng	0.00
27) Chrysene-d12	21.42	240	17240	0.40	ng	0.00
34) Perylene-d12	23.93	264	14966	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1220	0.17	ng	0.00
5) Phenol-d6	7.11	99	1277	0.12	ng	0.02
8) Nitrobenzene-d5	9.08	82	3382	0.35	ng	0.02
11) 2-Methylnaphthalene-d10	12.29	152	6038	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	751	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	10508	0.37	ng	-0.01
25) Fluoranthene-d10	19.28	212	62437	0.41	ng	0.00
29) Terphenyl-d14	19.87	244	14868	0.48	ng	0.00

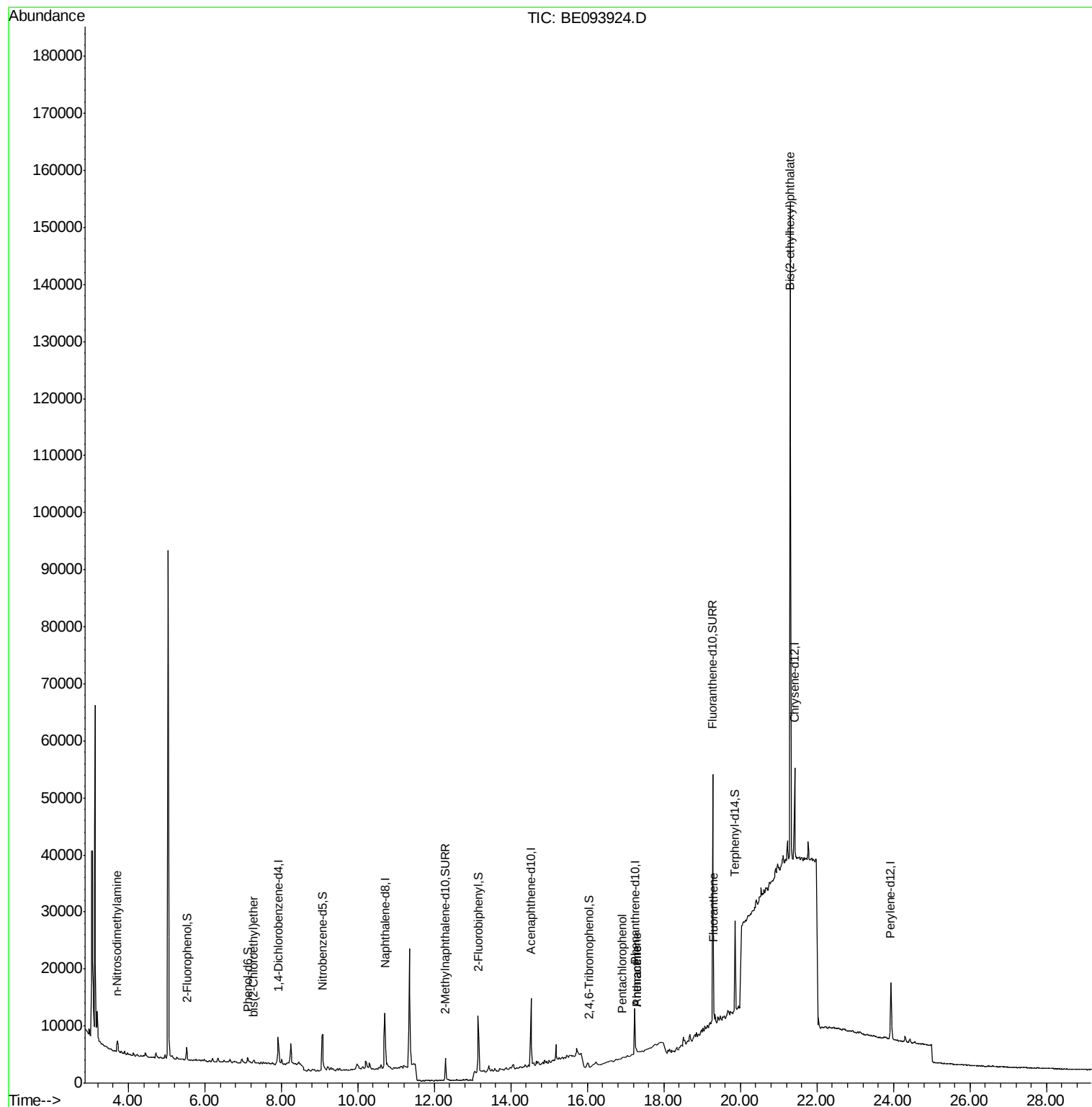
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.71	42	293	0.083	ng	# 1
6) bis(2-Chloroethyl)ether	7.26	93	717	0.085	ng	# 1
20) 4-Bromophenyl-phenylether	16.58	248	158	Below Cal		# 1
22) Pentachlorophenol	16.91	266	223	0.108	ng	# 77
23) Phenanthrene	17.30	178	1203	0.036	ng	# 63
24) Anthracene	17.30	178	919	0.023	ng	# 56
26) Fluoranthene	19.30	202	969	0.021	ng	# 50
32) Bis(2-ethylhexyl)phthalate	21.30	149	139249	1.290	ng	100

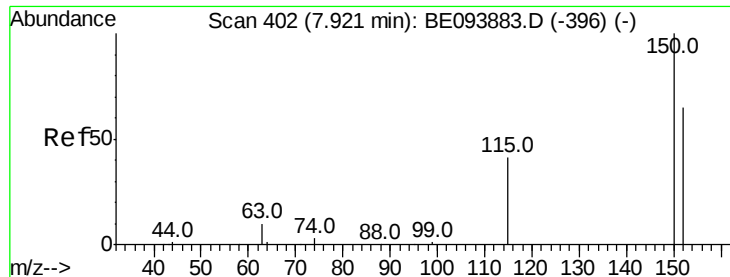
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

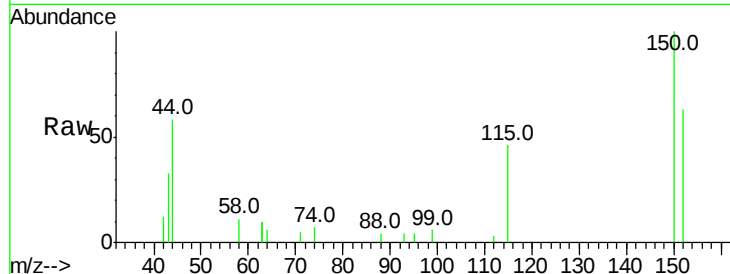
Tot Ion:152 Resp: 2321

Ion Ratio Lower Upper

152 100

150 157.6 121.8 182.6

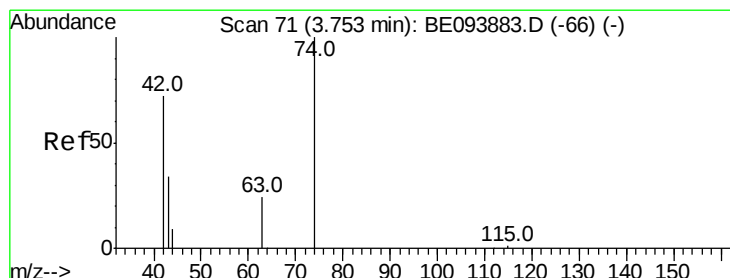
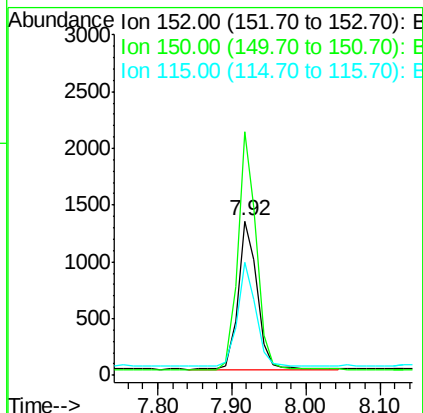
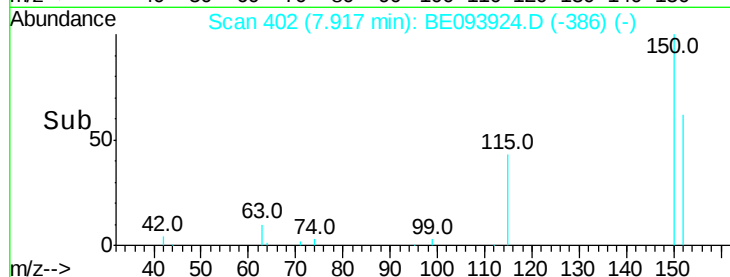
115 73.2 52.6 79.0



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: 0.083 ng

RT: 3.71 min Scan# 68

Delta R.T. -0.04 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

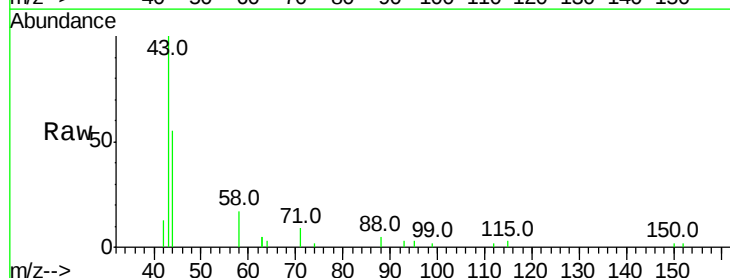
Tgt Ion: 42 Resp: 293

Ion Ratio Lower Upper

42 100

74 0.0 104.0 156.0#

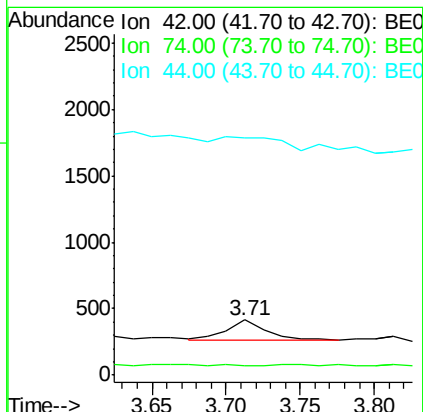
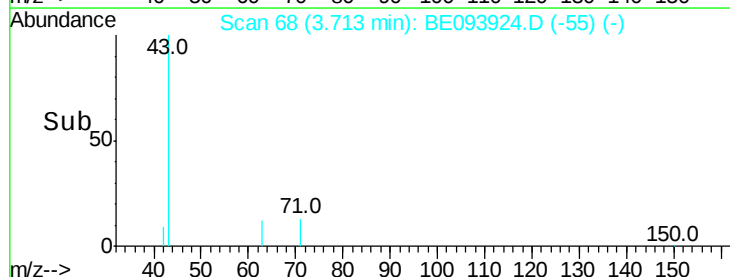
44 0.0 13.8 20.8#

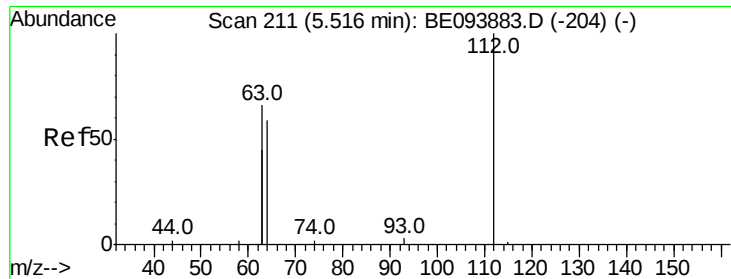


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.171 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

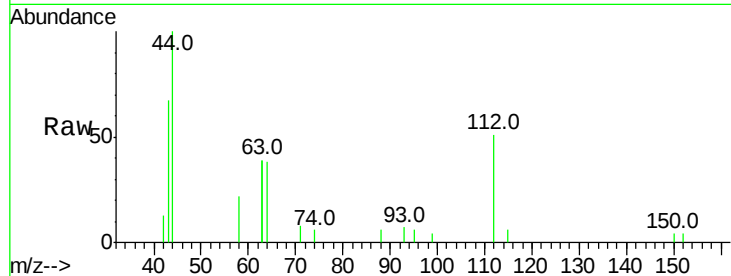
Tot Ion:112 Resp: 1220

Ion Ratio Lower Upper

112 100

64 72.2 57.7 86.5

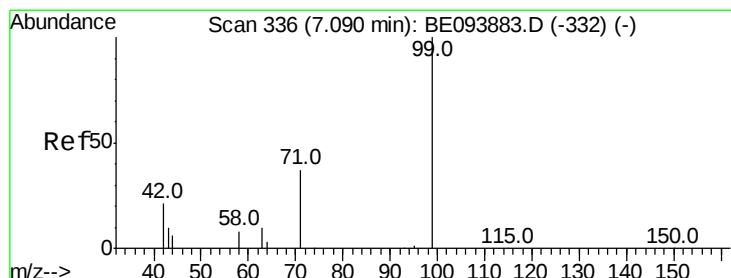
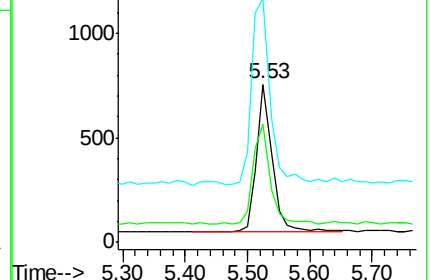
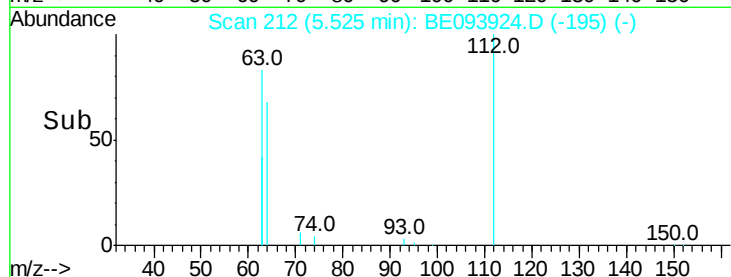
63 146.6 116.0 174.0



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: 0.117 ng

RT: 7.11 min Scan# 338

Delta R.T. 0.02 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

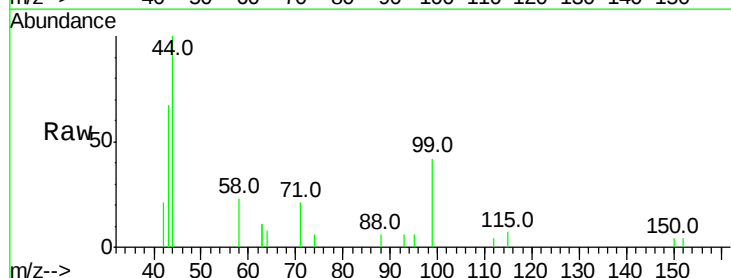
Tgt Ion: 99 Resp: 1277

Ion Ratio Lower Upper

99 100

42 17.1 17.1 25.7

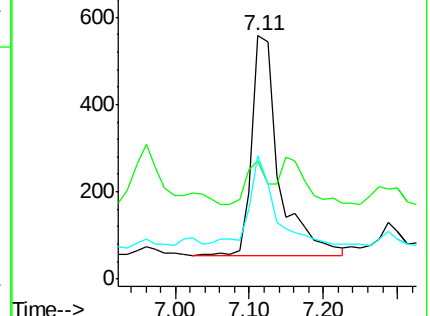
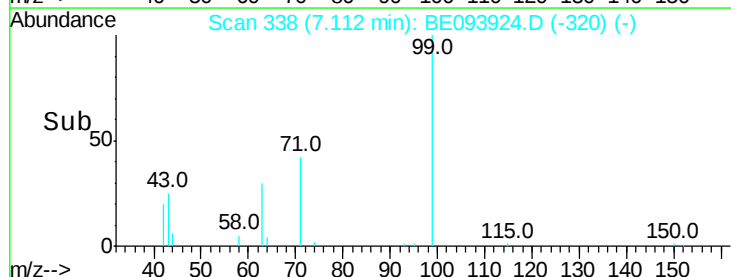
71 37.6 26.6 39.8

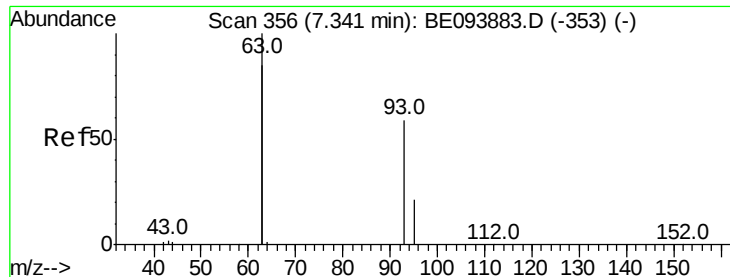


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.085 ng

RT: 7.26 min Scan# 350

Delta R.T. -0.08 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

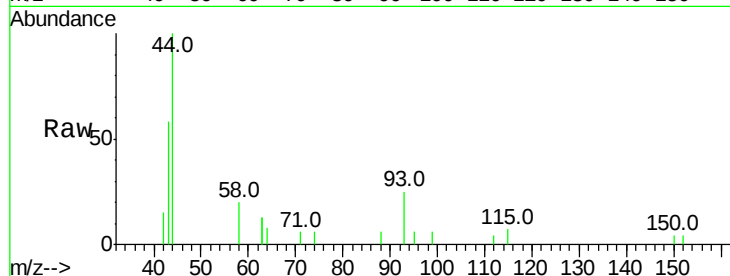
Tot Ion: 93 Resp: 717

Ion Ratio Lower Upper

93 100

63 16.5 283.4 425.2#

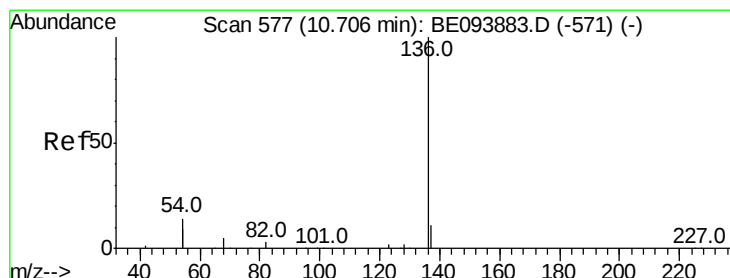
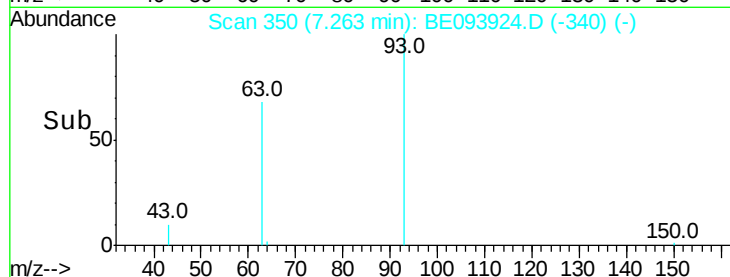
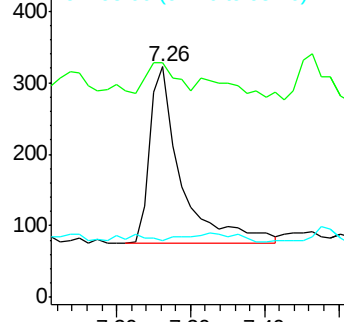
95 0.0 26.9 40.3#



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: BE093924.D

Acq: 2 Sep 2017 7:46

Tgt Ion: 136 Resp: 11749

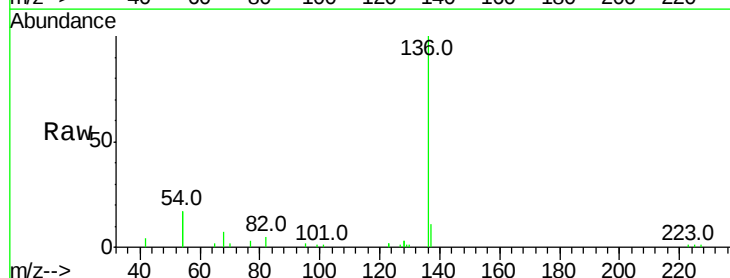
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 33.4 21.9 32.9#

68 7.3 4.6 7.0#

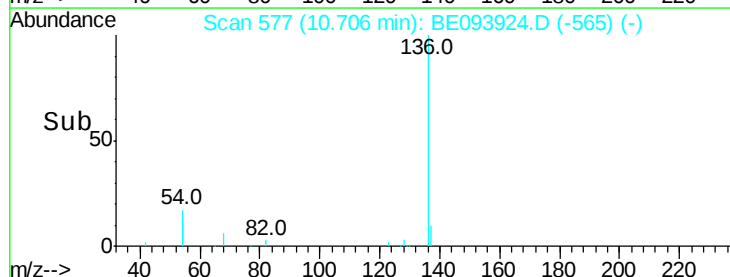
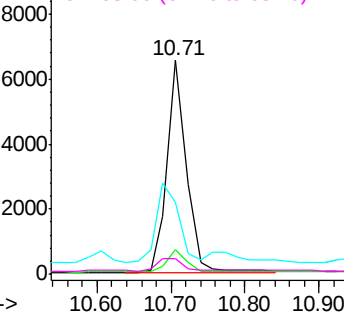


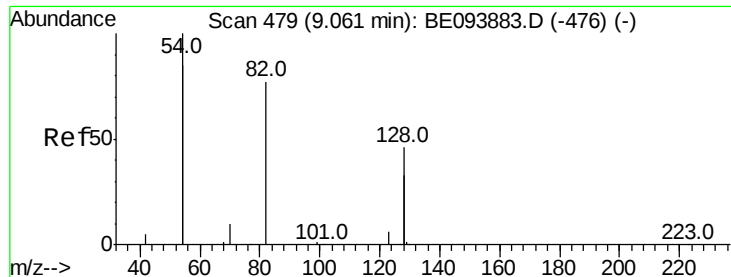
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.346 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.02 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

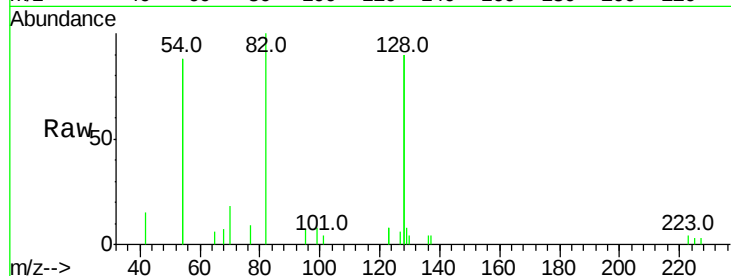
Tot Ion: 82 Resp: 3382

Ion Ratio Lower Upper

82 100

128 179.6 91.4 137.0#

54 175.2 197.8 296.8#



Abundance Ion 82.00 (81.70 to 82.70): BE093883.D (-476) (-)

Ion 128.00 (127.70 to 128.70): BE093883.D (-476) (-)

Ion 54.00 (53.70 to 54.70): BE093883.D (-476) (-)

Time-->

9.00 9.10 9.20

9.08

5000

4000

3000

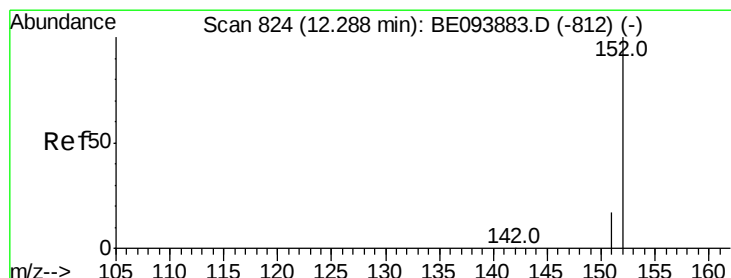
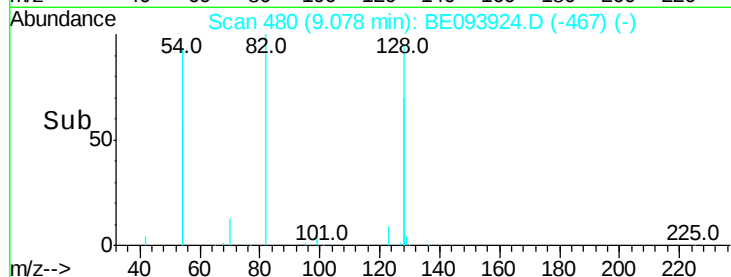
2000

1000

0

Time-->

9.00 9.10 9.20



#11

2-Methylnaphthalene-d10

Concen: 0.325 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE093924.D

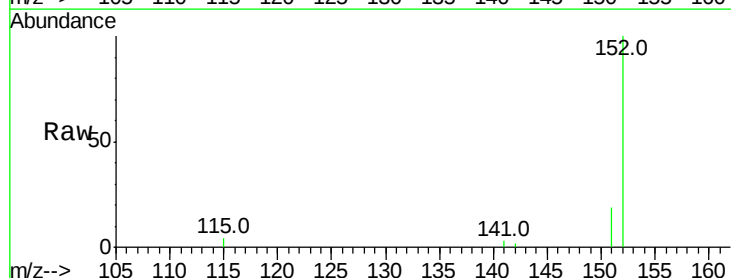
Acq: 2 Sep 2017 7:46

Tgt Ion: 152 Resp: 6038

Ion Ratio Lower Upper

152 100

151 17.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE093883.D (-812) (-)

Ion 151.00 (150.70 to 151.70): BE093883.D (-812) (-)

Time-->

12.20 12.30 12.40

12.29

4000

3000

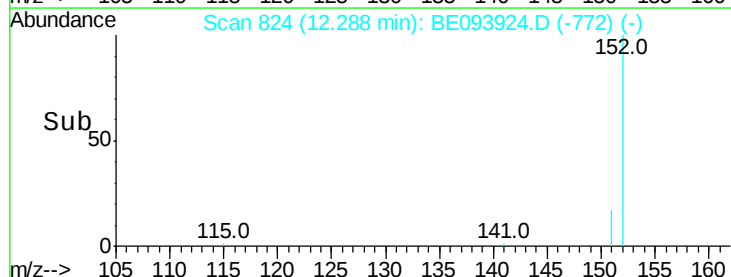
2000

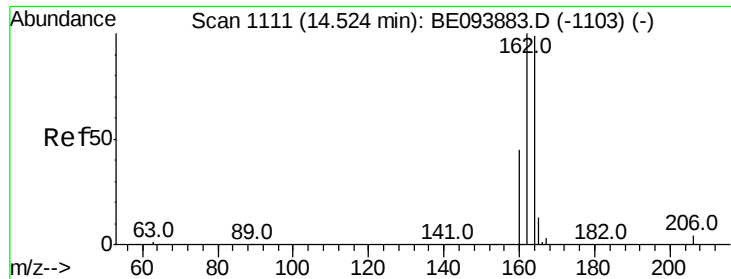
1000

0

Time-->

12.20 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

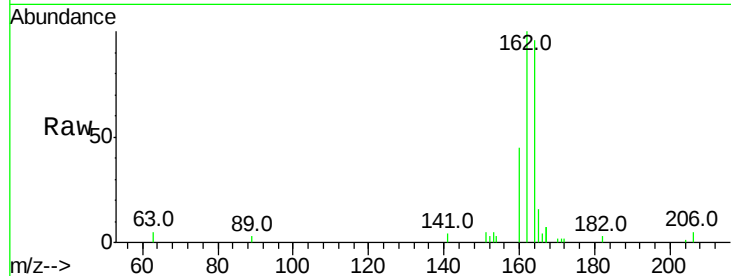
Tot Ion:164 Resp: 7140

Ion Ratio Lower Upper

164 100

162 104.0 80.8 121.2

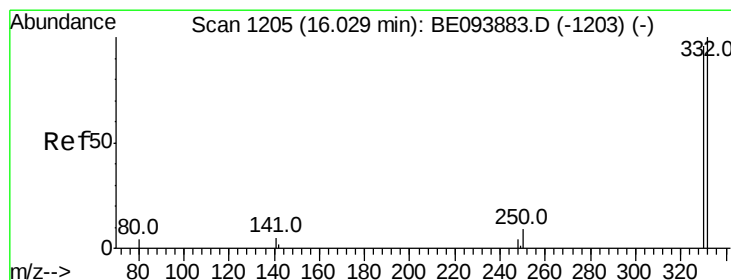
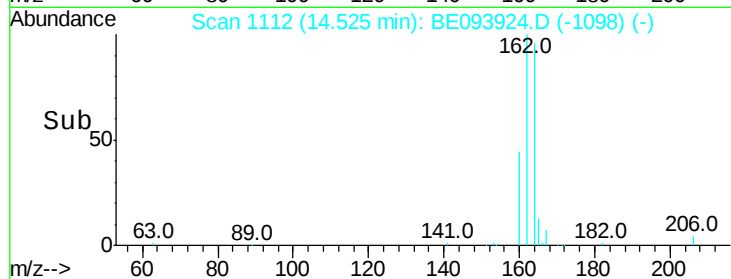
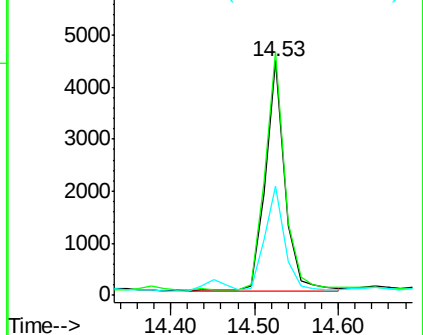
160 46.5 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.392 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

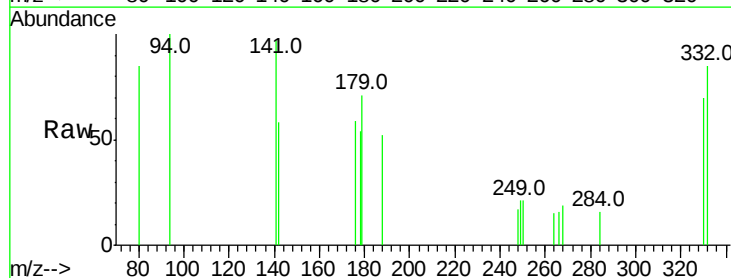
Tgt Ion:330 Resp: 751

Ion Ratio Lower Upper

330 100

332 102.4 76.9 115.3

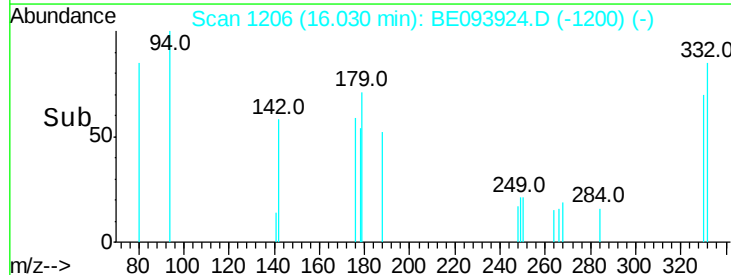
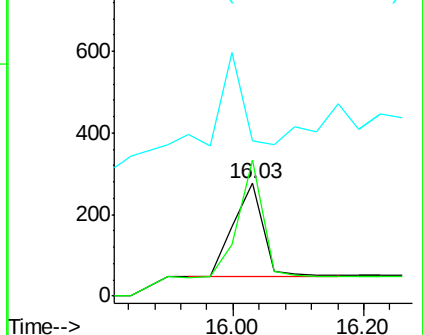
141 0.0 0.0 0.0

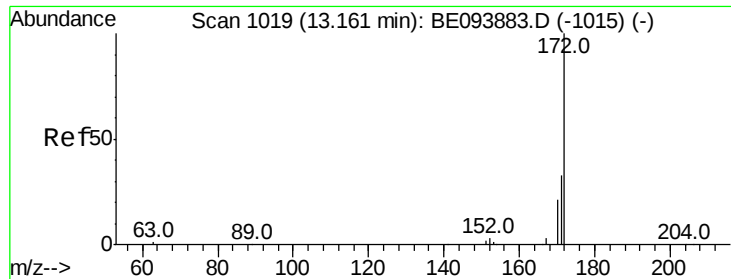


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

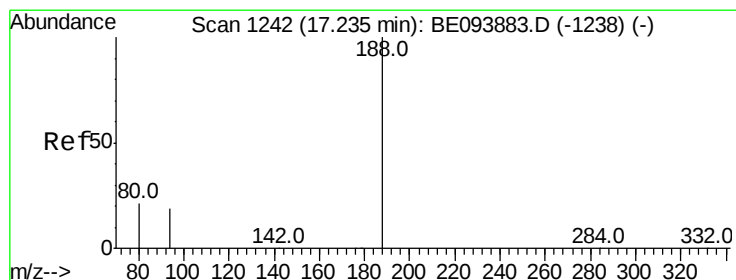
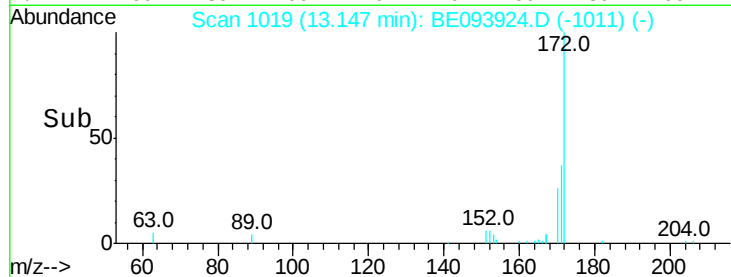
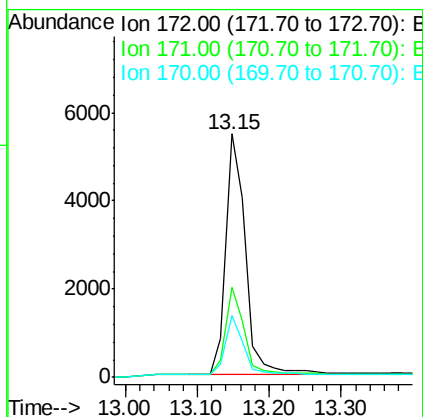
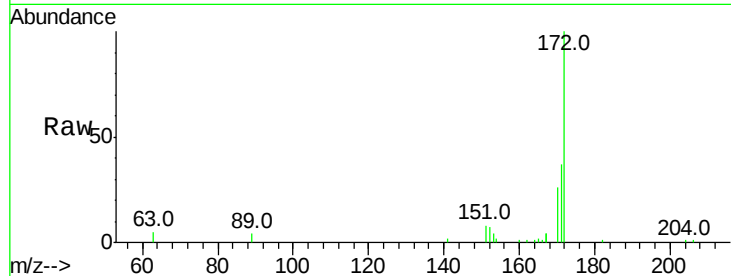




#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

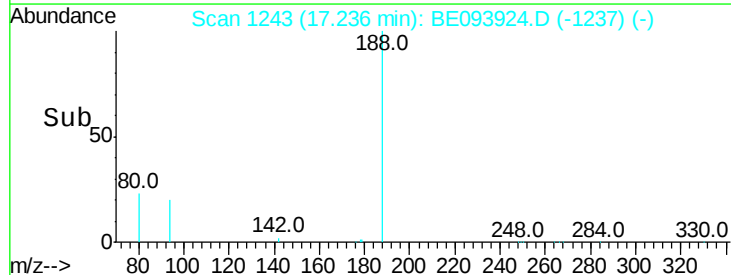
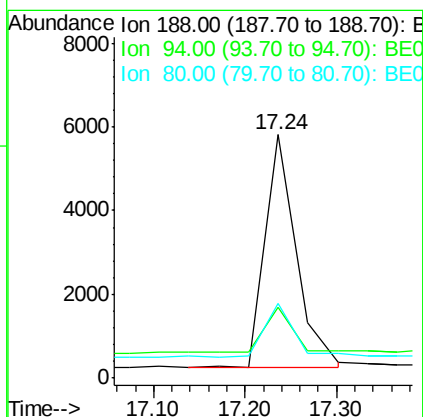
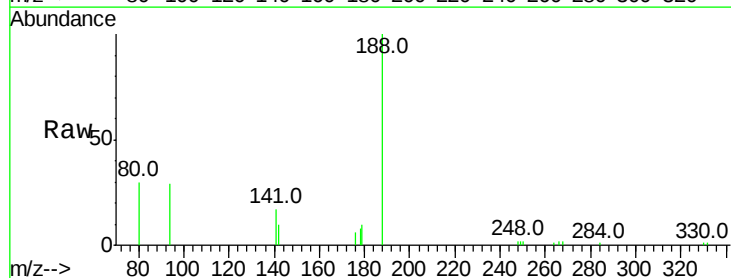
Instrument :
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3831-PA3

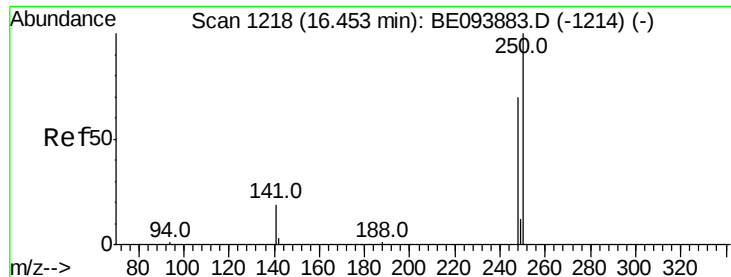
Tot Ion:172 Resp: 10508
Ion Ratio Lower Upper
172 100
171 37.2 26.9 40.3
170 25.5 17.3 25.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:188 Resp: 13182
Ion Ratio Lower Upper
188 100
94 29.1 16.1 24.1#
80 30.5 18.2 27.2#

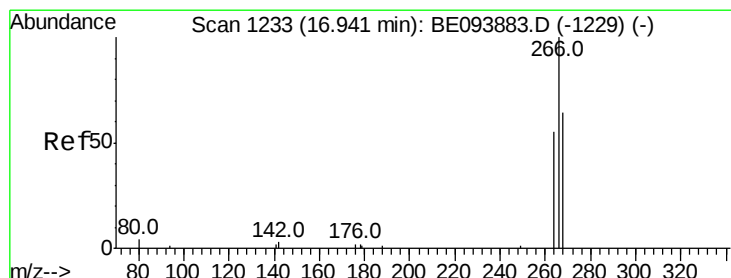
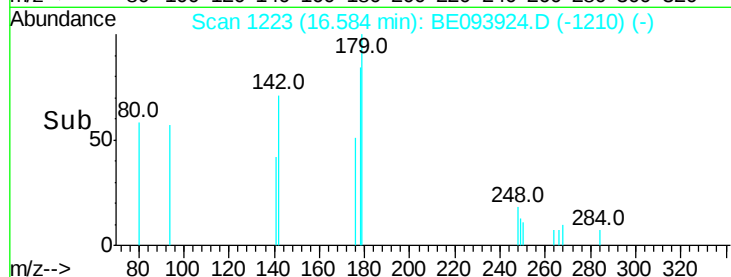
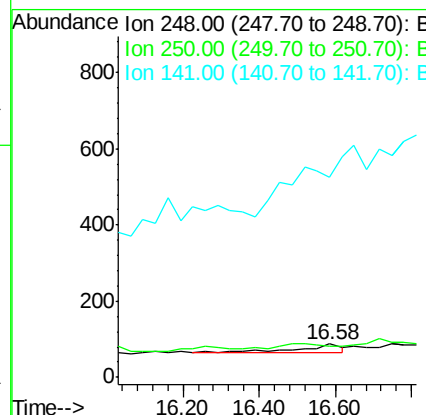
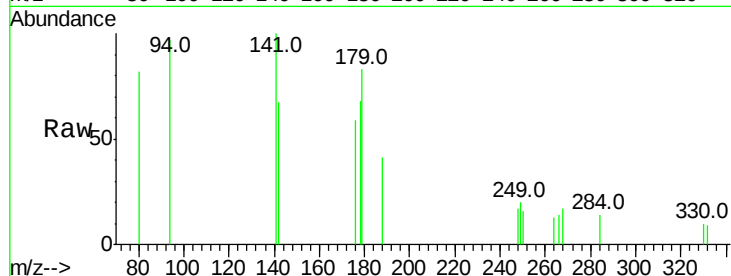




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.58 min Scan# 1223
Delta R.T. 0.13 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

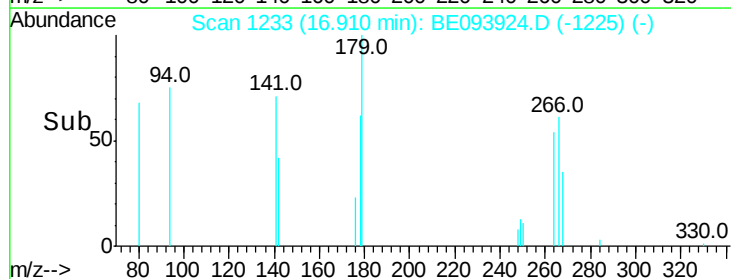
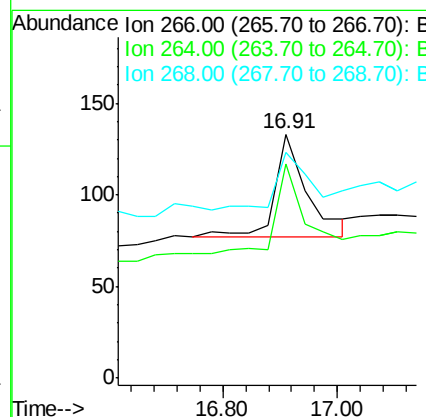
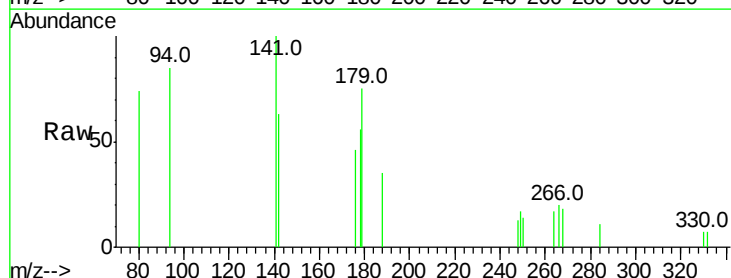
Instrument :
BNA_E
ClientSampleId :
3831-PA3

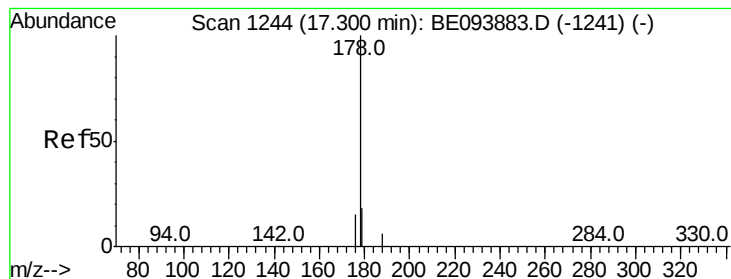
Tot Ion:248 Resp: 158
Ion Ratio Lower Upper
248 100
250 95.4 111.8 167.8#
141 603.4 27.1 40.7#



#22
Pentachlorophenol
Concen: 0.108 ng
RT: 16.91 min Scan# 1233
Delta R.T. -0.03 min
Lab File: BE093924.D
Acq: 2 Sep 2017 7:46

Tgt Ion:266 Resp: 223
Ion Ratio Lower Upper
266 100
264 88.0 53.5 80.3#
268 92.5 60.0 90.0#





#23

Phenanthrene

Concen: 0.036 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

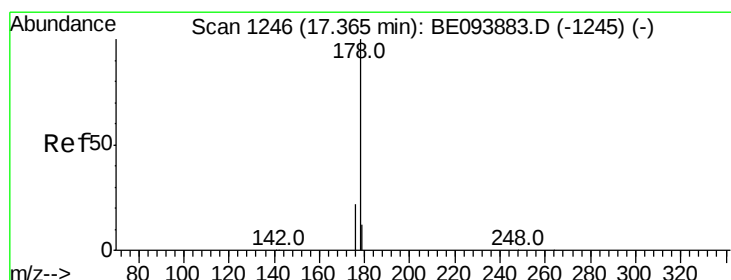
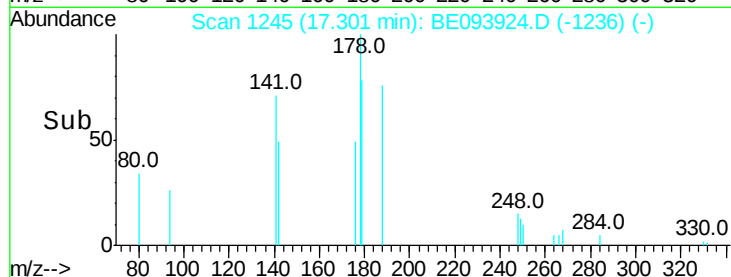
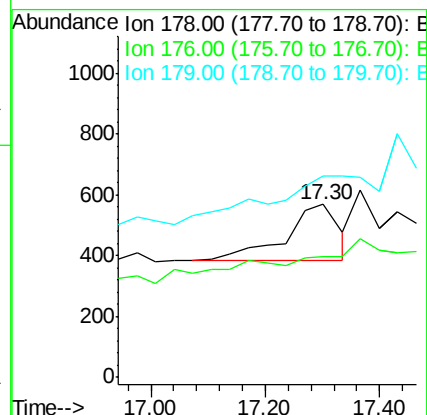
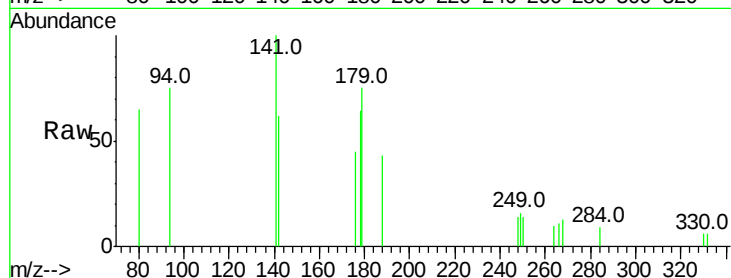
Tot Ion:178 Resp: 1203

Ion Ratio Lower Upper

178 100

176 0.0 0.0 0.0

179 0.0 12.6 18.8#



#24

Anthracene

Concen: 0.023 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.06 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

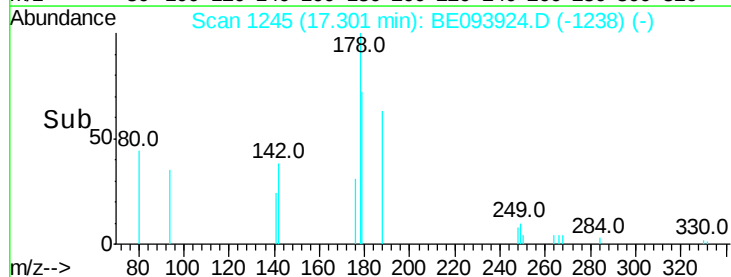
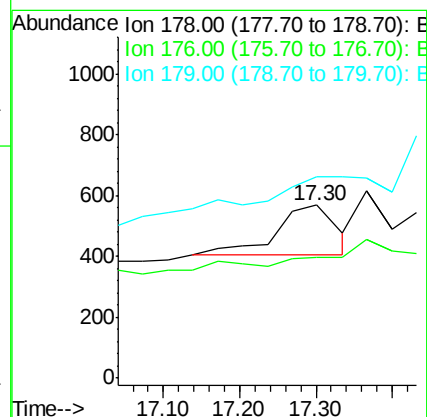
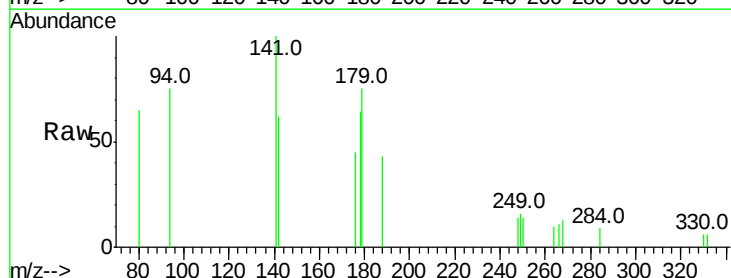
Tgt Ion:178 Resp: 919

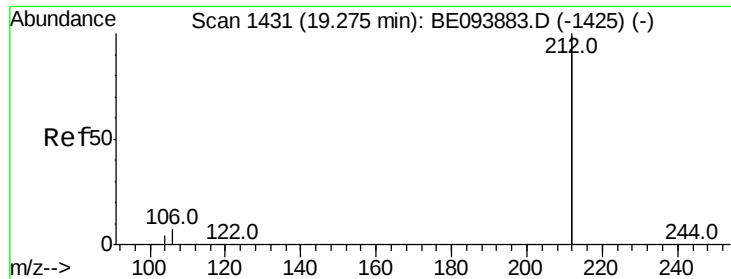
Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

179 0.0 0.0 0.0





#25

Fluoranthene-d10

Concen: 0.411 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

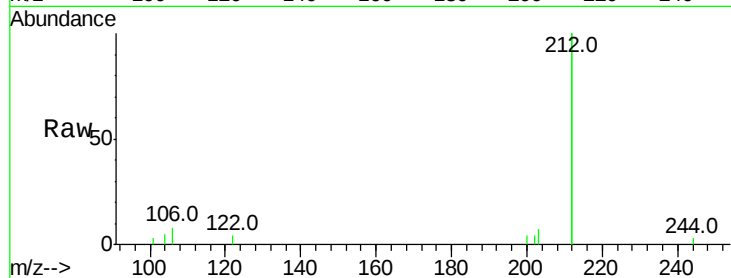
Tot Ion:212 Resp: 62437

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

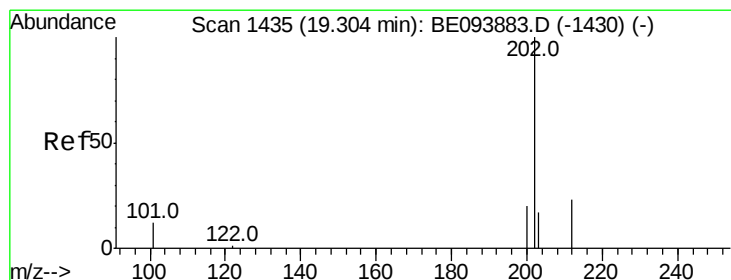
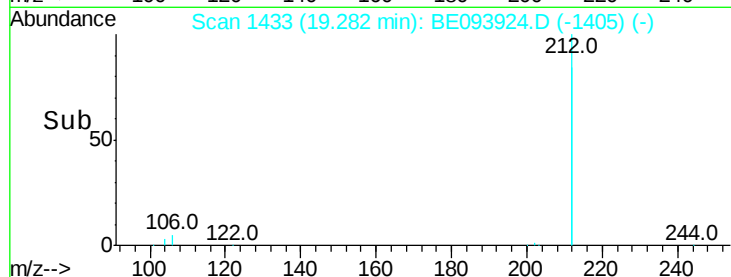
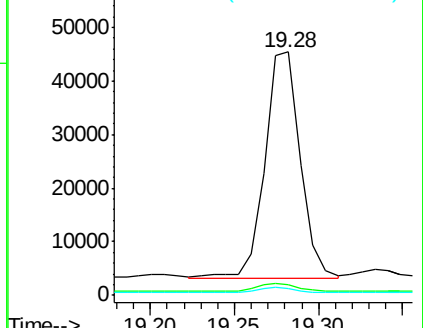
104 2.3 1.6 2.4



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



#26

Fluoranthene

Concen: 0.021 ng

RT: 19.30 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

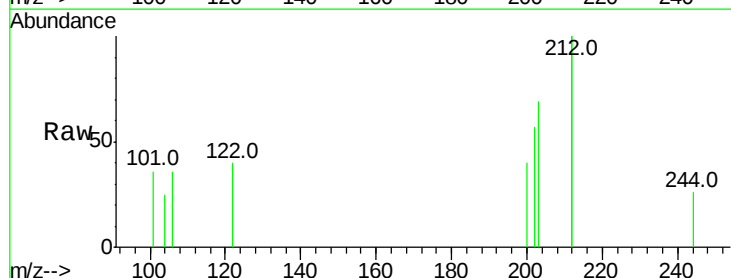
Tgt Ion:202 Resp: 969

Ion Ratio Lower Upper

202 100

101 37.9 9.7 14.5#

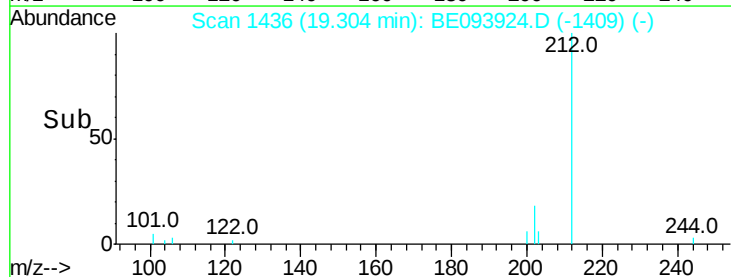
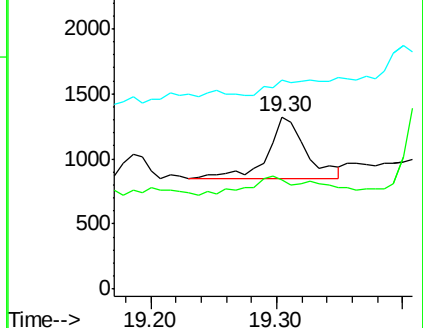
203 0.0 13.7 20.5#

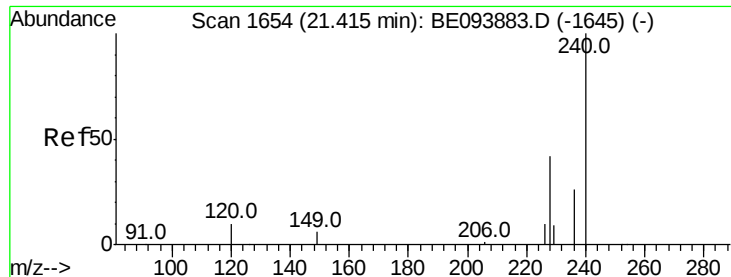


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

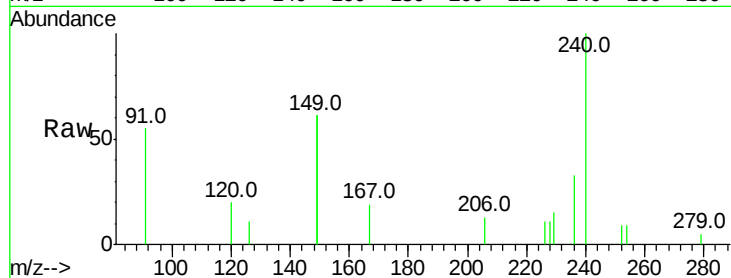
Tot Ion:240 Resp: 17240

Ion Ratio Lower Upper

240 100

120 19.8 8.7 13.1#

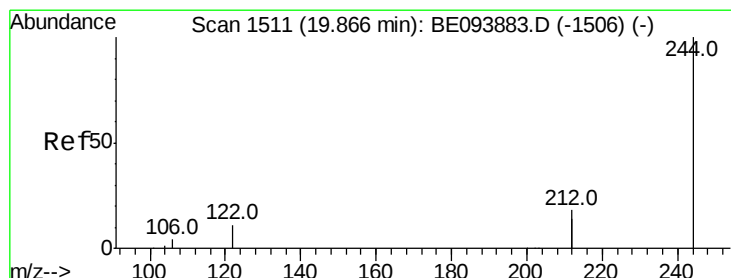
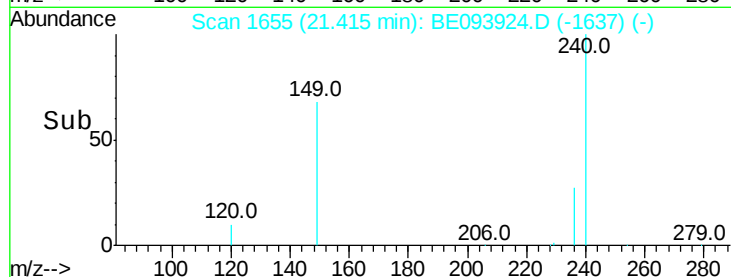
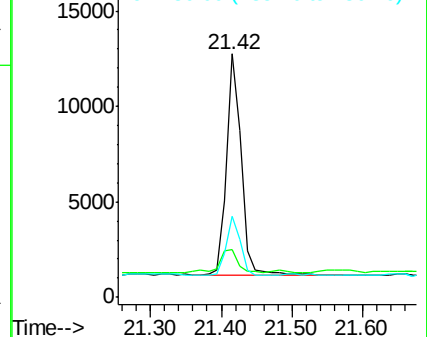
236 33.0 21.3 31.9#



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: 0.477 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

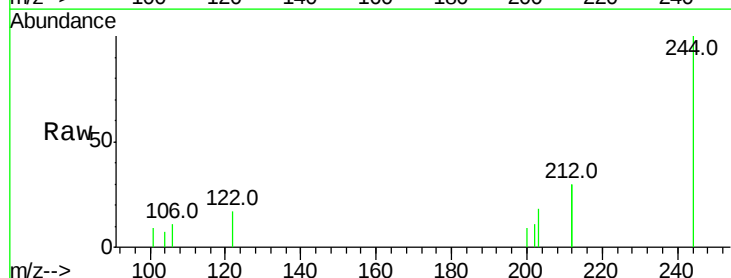
Tgt Ion:244 Resp: 14868

Ion Ratio Lower Upper

244 100

212 60.7 28.3 42.5#

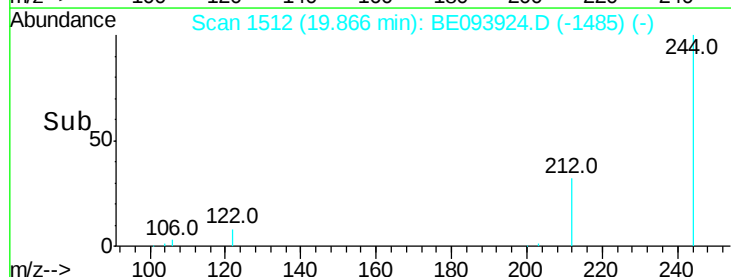
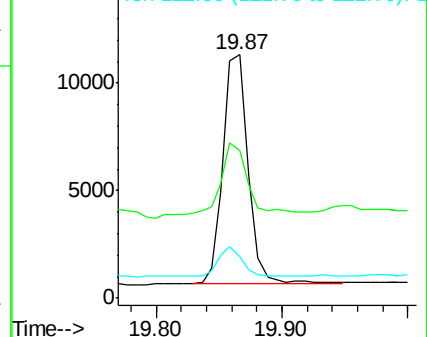
122 16.9 9.4 14.0#

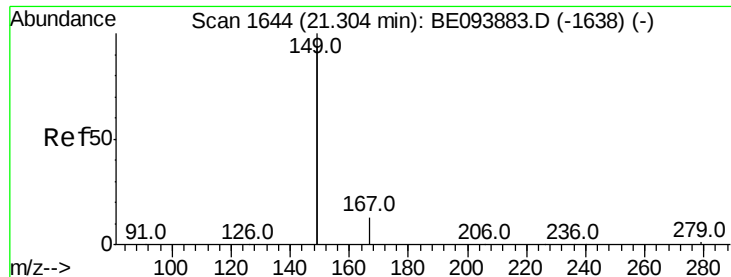


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.290 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

Instrument :

BNA_E

ClientSampleId :

3831-PA3

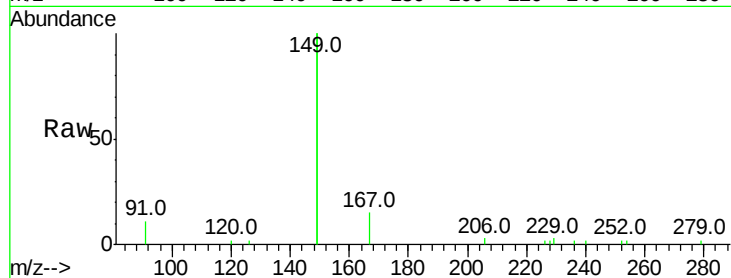
Tot Ion:149 Resp: 139249

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

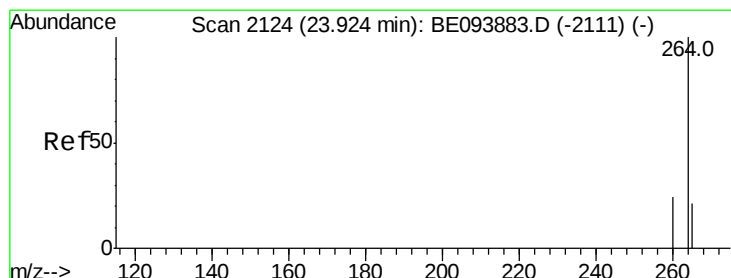
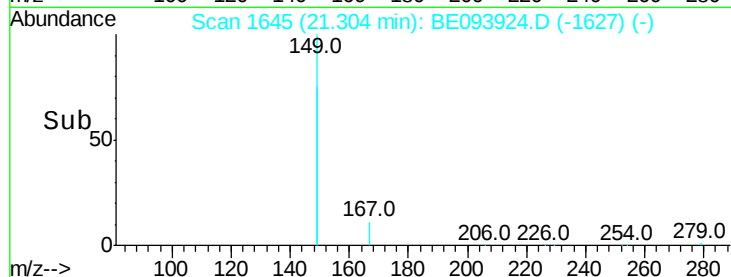
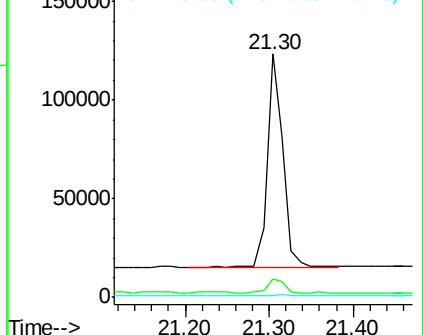
279 1.0 0.7 1.1



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

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2127

Delta R.T. 0.01 min

Lab File: BE093924.D

Acq: 2 Sep 2017 7:46

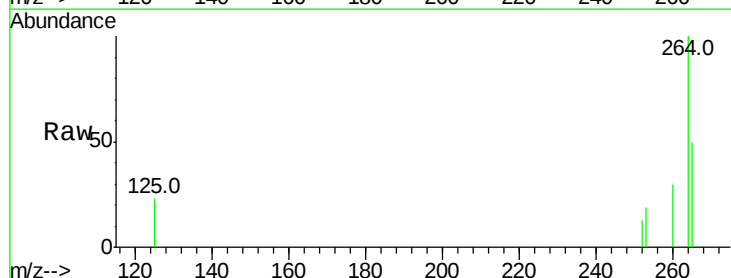
Tgt Ion:264 Resp: 14966

Ion Ratio Lower Upper

264 100

260 30.5 20.0 30.0#

265 50.2 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

