

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093685.D
 Acq On : 5 Aug 2017 21:21
 Operator : SJ/JU
 Sample : I4427-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-2

Quant Time: Aug 06 02:45:58 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3524	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	17417	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	9889	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	24799	0.40	ng	0.00
27) Chrysene-d12	21.40	240	24864	0.40	ng	-0.01
34) Perylene-d12	23.91	264	22283	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	3179	0.30	ng	0.00
5) Phenol-d6	7.09	99	4954	0.31	ng	0.00
8) Nitrobenzene-d5	9.06	82	4154	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	6225	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	739	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8227	0.21	ng	-0.02
25) Fluoranthene-d10	19.27	212	54069	0.19	ng	0.00
29) Terphenyl-d14	19.86	244	9937	0.22	ng	0.00

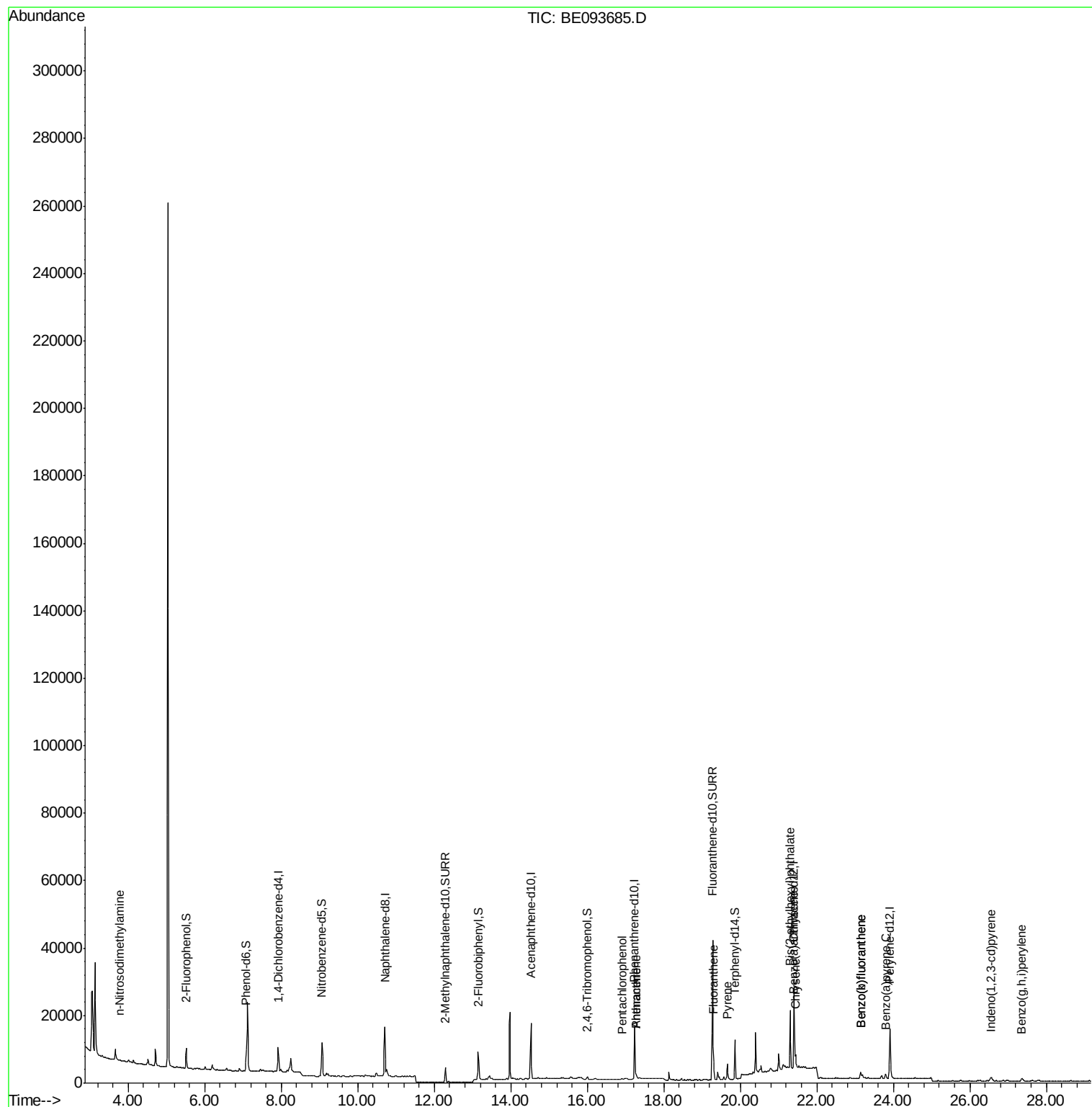
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.77	42	118	0.022 ng	#	1
20) 4-Bromophenyl-phenylether	16.42	248	18	Below Cal	#	14
21) Hexachlorobenzene	16.55	284	6	Below Cal	#	100
22) Pentachlorophenol	16.91	266	184	0.188 ng		88
23) Phenanthrene	17.27	178	2206	0.040 ng	#	90
24) Anthracene	17.27	178	2102	0.028 ng		94
26) Fluoranthene	19.30	202	4603	0.053 ng	#	91
28) Pyrene	19.66	202	4304	0.054 ng	#	91
30) Benzo(a)anthracene	21.39	228	2559	0.035 ng	#	87
31) Chrysene	21.45	228	2578	0.032 ng	#	87
32) Bis(2-ethylhexyl)phthalate	21.30	149	18353	0.184 ng		97
33) Indeno(1,2,3-cd)pyrene	26.55	276	1674	0.023 ng		96
35) Benzo(b)fluoranthene	23.15	252	2998	0.038 ng	#	61
36) Benzo(k)fluoranthene	23.15	252	2998	0.037 ng	#	63
37) Benzo(a)pyrene	23.80	252	2164	0.030 ng	#	56
39) Benzo(g,h,i)perylene	27.36	276	1631	0.023 ng	#	78

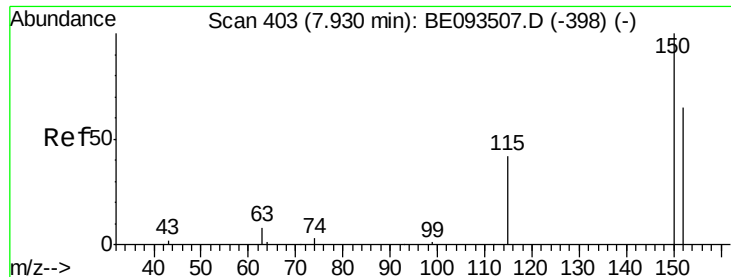
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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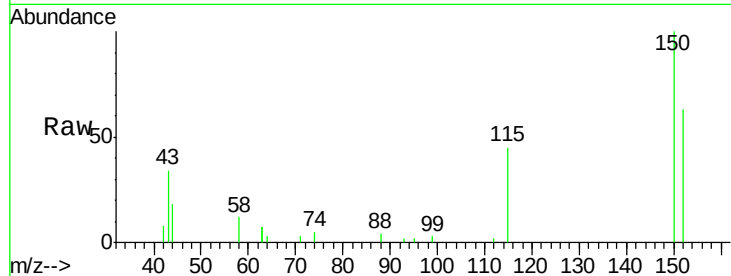


#1

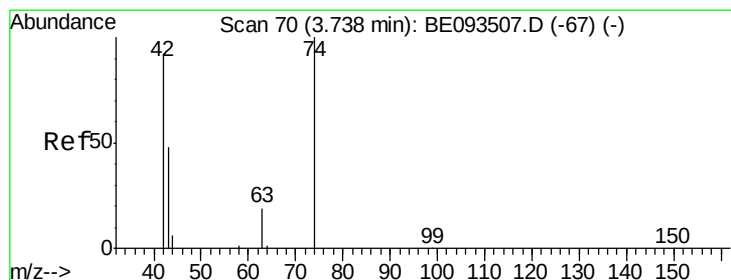
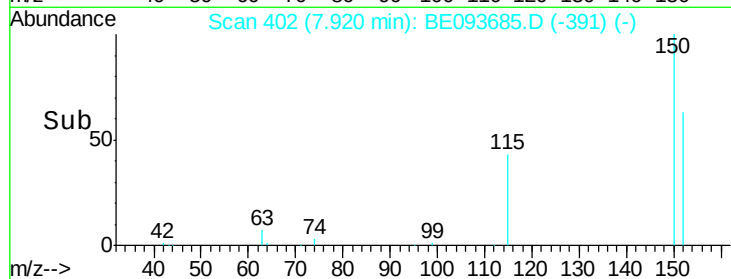
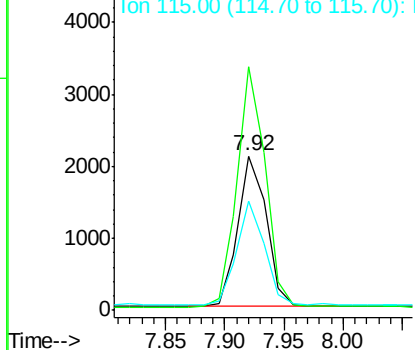
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093685.D
Acq: 5 Aug 2017 21:21

Instrument :
BNA_E
ClientSampleId :
LASB-14A-2

Tgt Ion:152 Resp: 3524
Ion Ratio Lower Upper
152 100
150 157.6 125.1 187.7
115 70.7 55.7 83.5



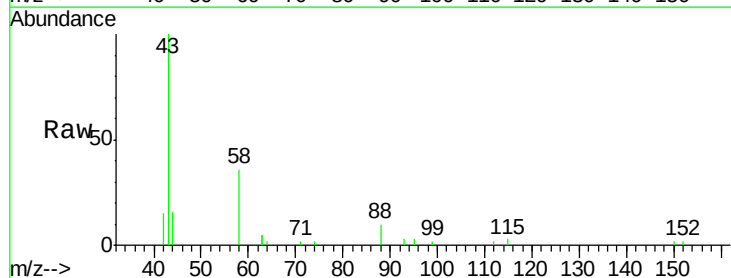
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



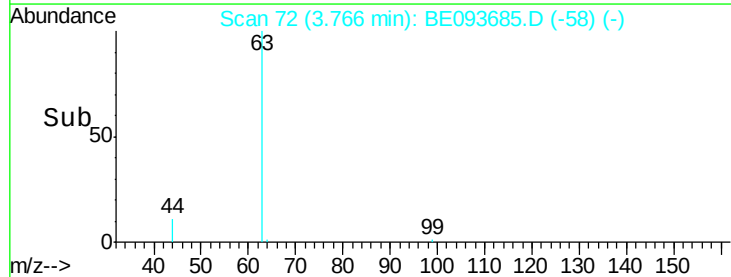
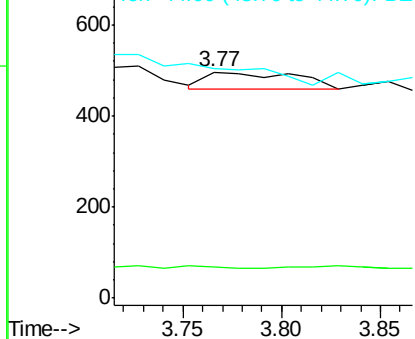
#3

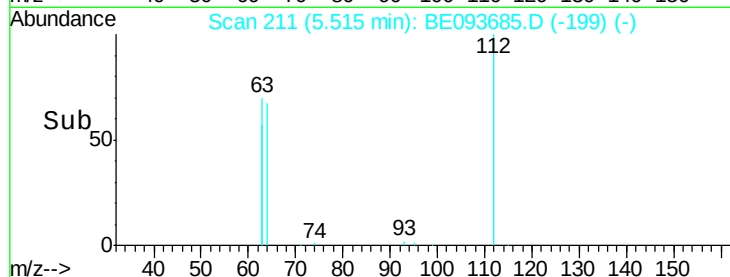
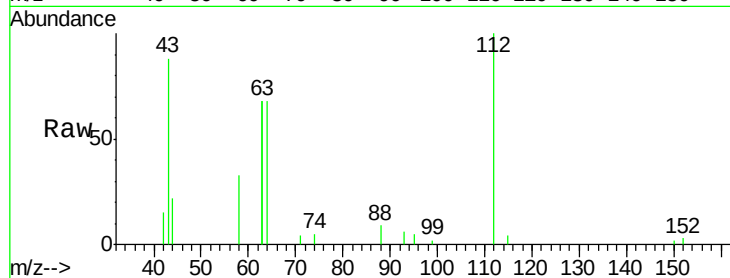
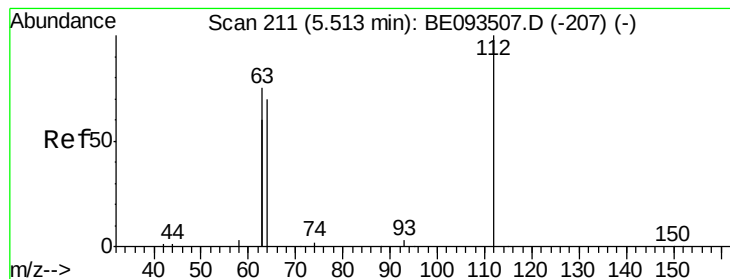
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.77 min Scan# 72
Delta R.T. 0.03 min
Lab File: BE093685.D
Acq: 5 Aug 2017 21:21

Tgt Ion: 42 Resp: 118
Ion Ratio Lower Upper
42 100
74 5.1 99.1 148.7#
44 0.0 7.4 11.2#



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: 0.303 ng

RT: 5.52 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

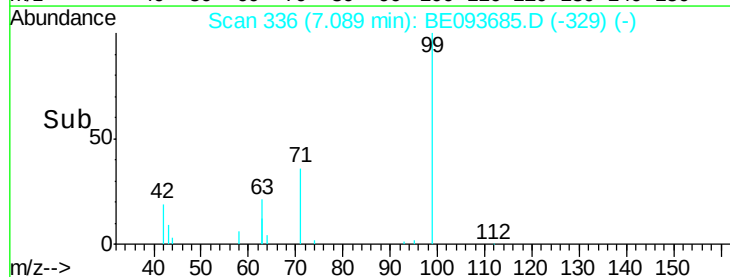
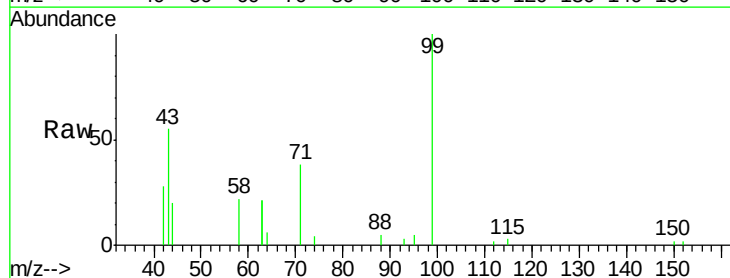
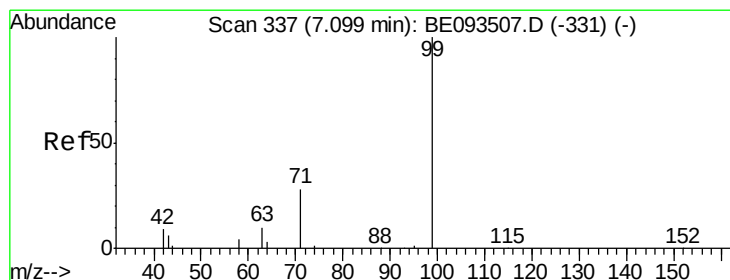
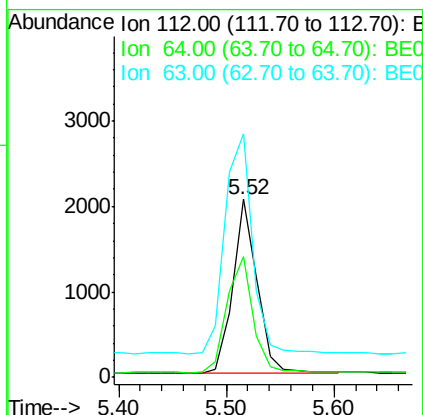
Tgt Ion: 112 Resp: 3179

Ion Ratio Lower Upper

112 100

64 71.2 56.4 84.6

63 141.4 29.3 43.9#



#5

Phenol-d6

Concen: 0.313 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

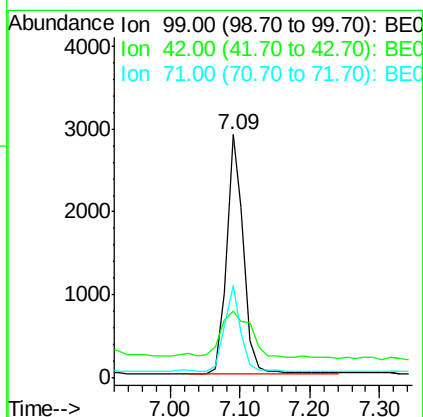
Tgt Ion: 99 Resp: 4954

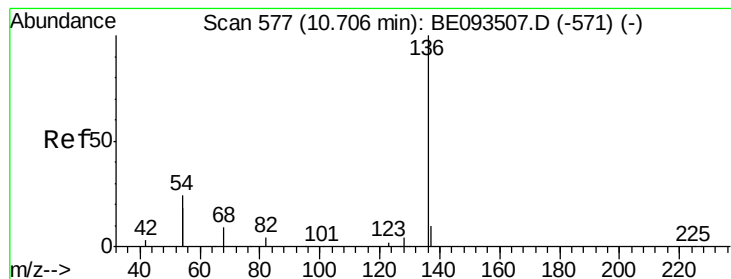
Ion Ratio Lower Upper

99 100

42 32.5 0.0 0.0#

71 33.9 0.0 0.0#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

Tgt Ion:136 Resp: 17417

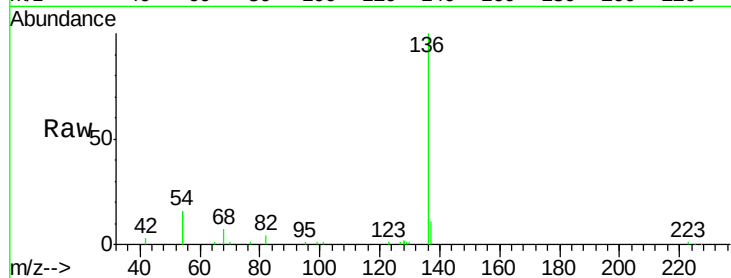
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 31.8 10.3 15.5#

68 6.9 9.0 13.4#

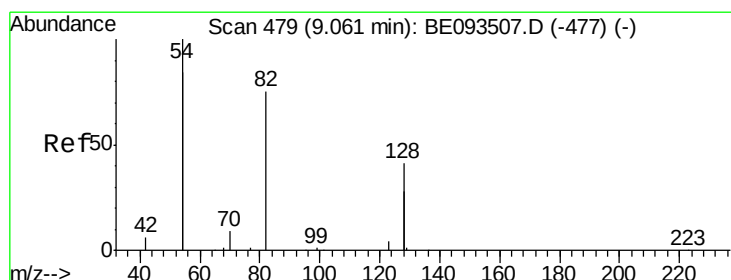
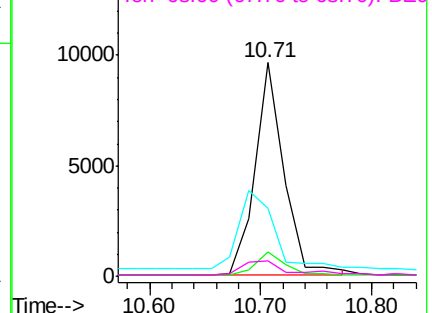
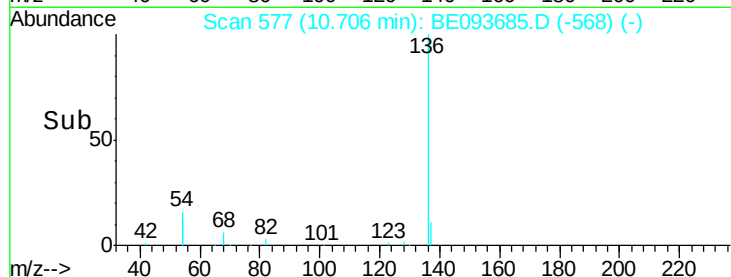


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.312 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

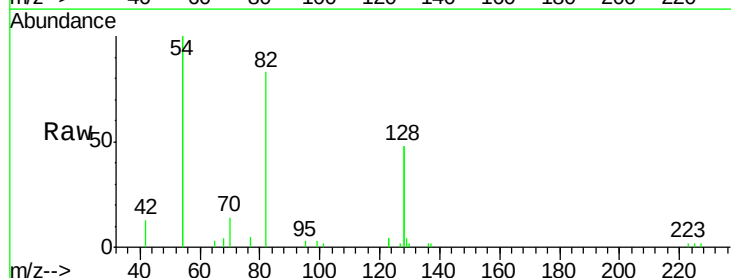
Tgt Ion: 82 Resp: 4154

Ion Ratio Lower Upper

82 100

128 115.0 17.0 25.4#

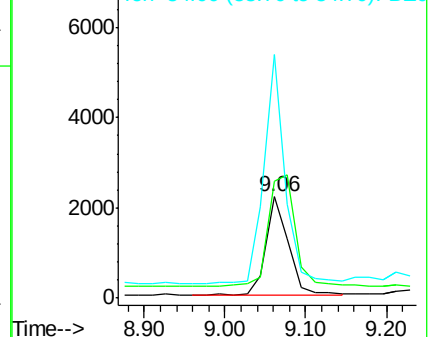
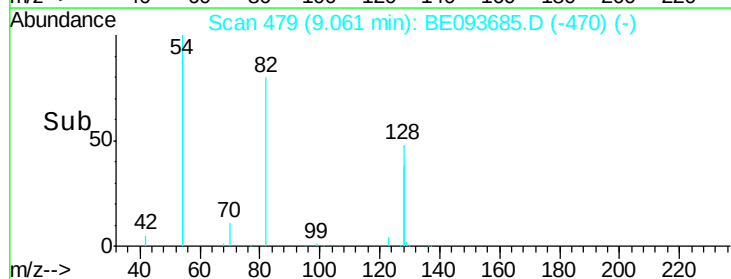
54 240.7 53.8 80.6#

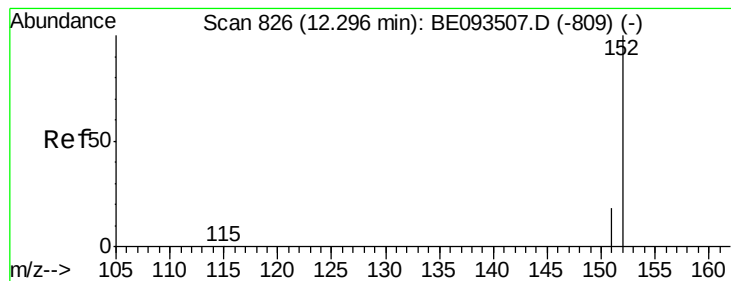


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.226 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

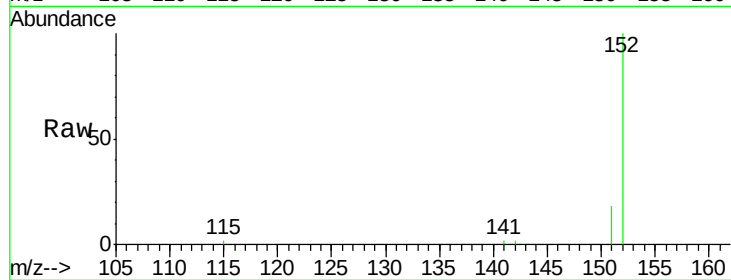
LASB-14A-2

Tgt Ion:152 Resp: 6225

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.29

4000

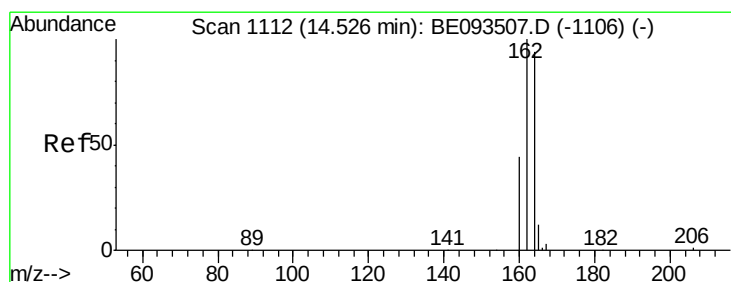
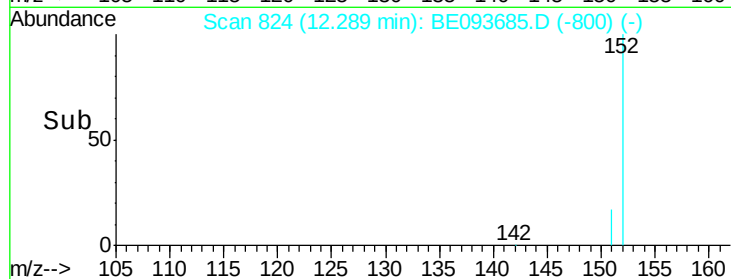
3000

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: BE093685.D

Acq: 5 Aug 2017 21:21

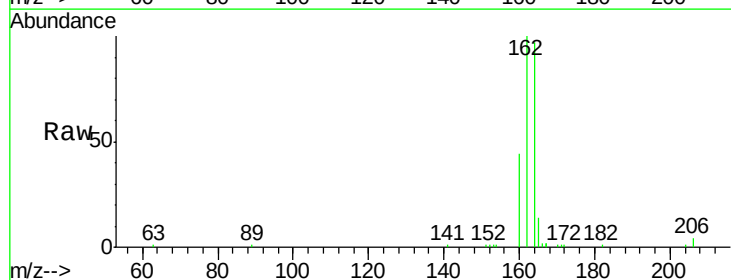
Tgt Ion:164 Resp: 9889

Ion Ratio Lower Upper

164 100

162 103.0 84.6 127.0

160 45.8 41.8 62.6



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

14.53

8000

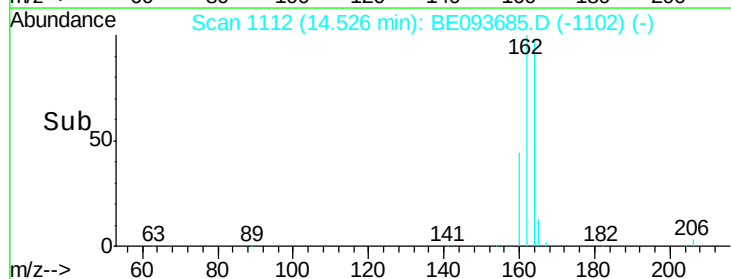
6000

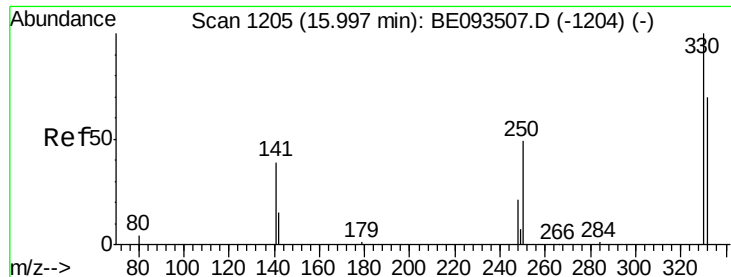
4000

2000

0

Time--> 14.40 14.50 14.60

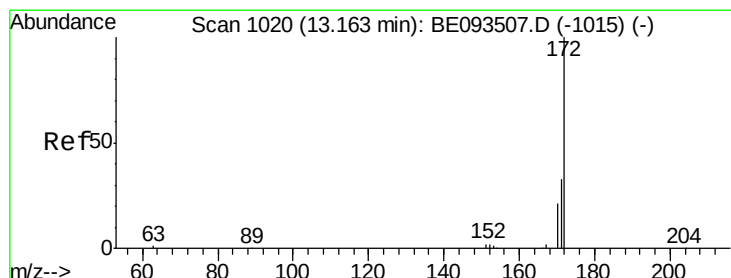
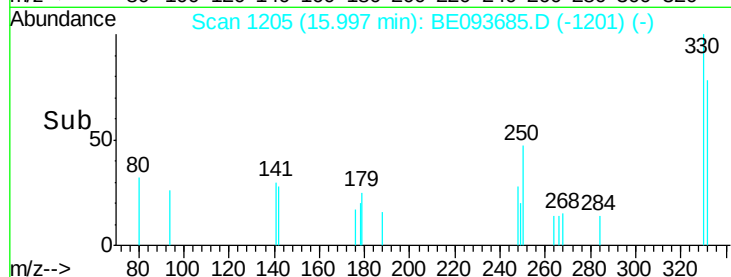
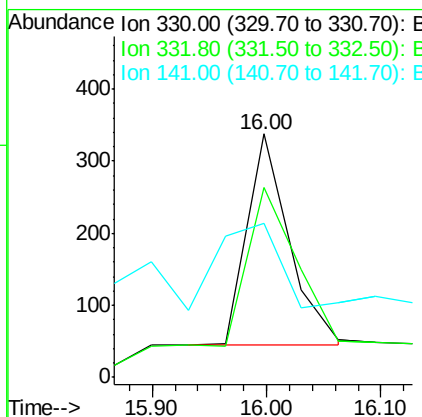
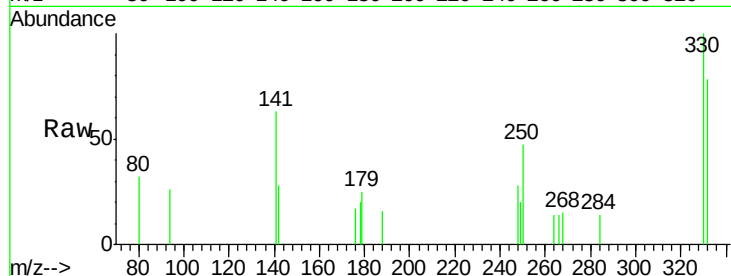




#14
 2,4,6-Tribromophenol
 Concen: 0.357 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE093685.D
 Acq: 5 Aug 2017 21:21

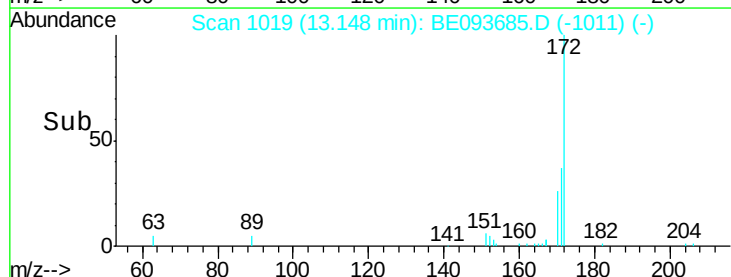
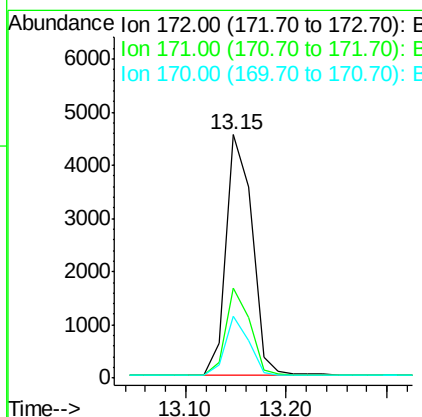
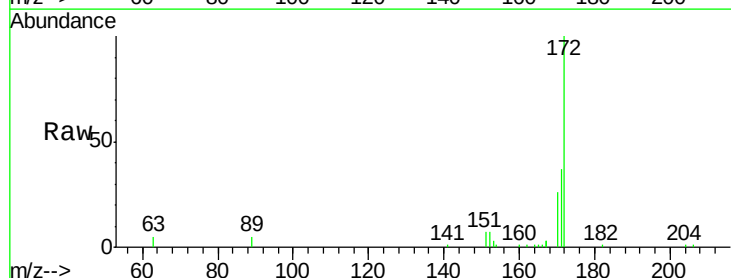
Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-2

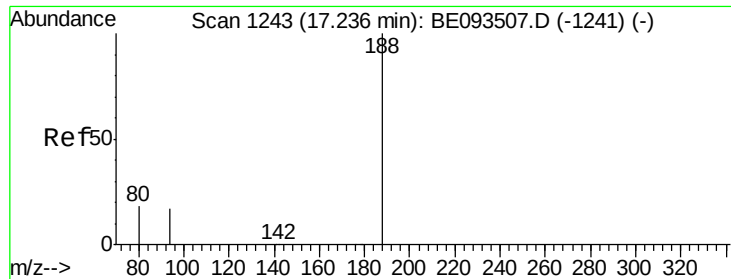
Tgt Ion: 330 Resp: 739
 Ion Ratio Lower Upper
 330 100
 332 87.8 77.7 116.5
 141 59.8 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.208 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. -0.02 min
 Lab File: BE093685.D
 Acq: 5 Aug 2017 21:21

Tgt Ion: 172 Resp: 8227
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 25.7 20.7 31.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

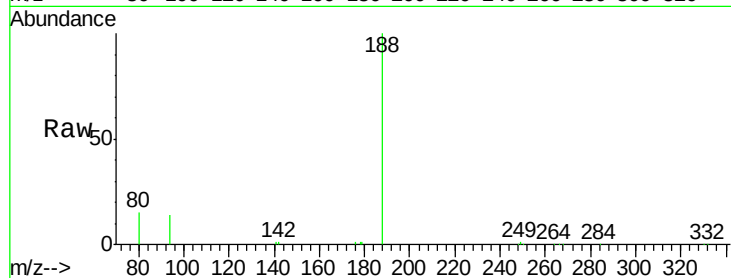
Tgt Ion:188 Resp: 24799

Ion Ratio Lower Upper

188 100

94 14.4 11.3 16.9

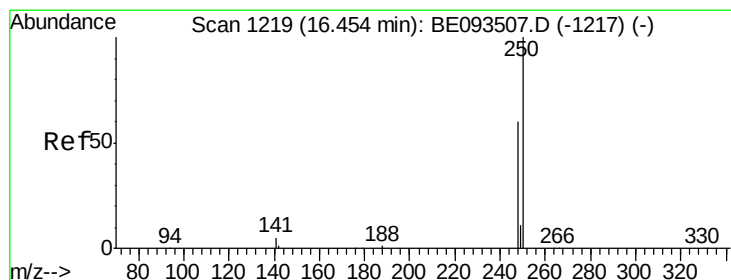
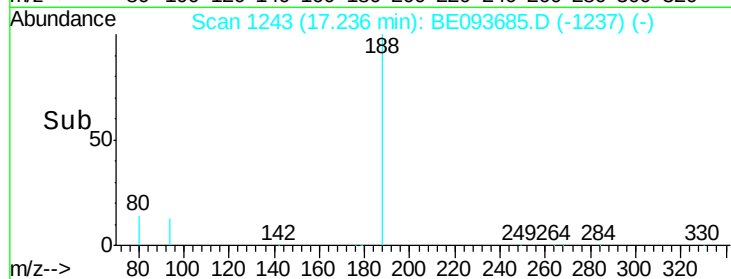
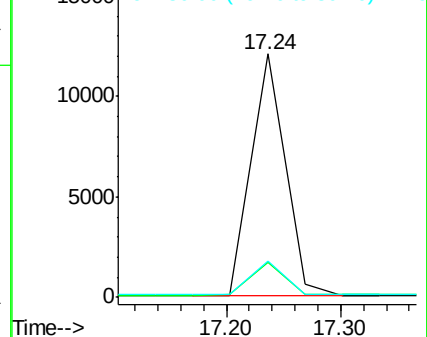
80 14.6 11.7 17.5



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: BE093685.D

Acq: 5 Aug 2017 21:21

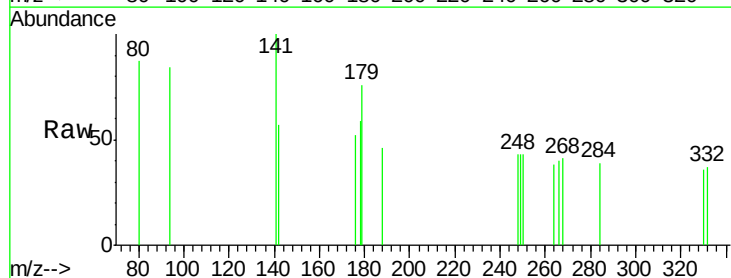
Tgt Ion:248 Resp: 18

Ion Ratio Lower Upper

248 100

250 100.0 128.0 192.0#

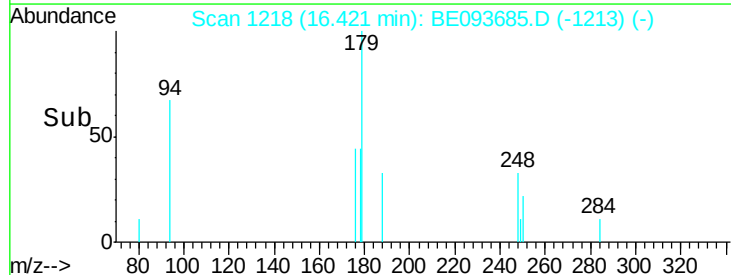
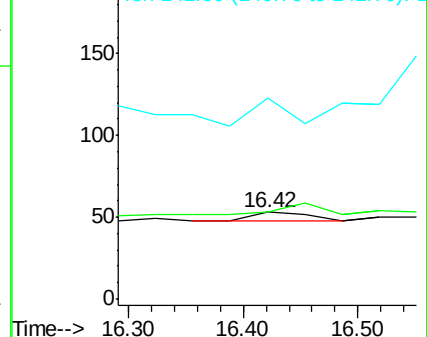
141 232.1 12.0 18.0#

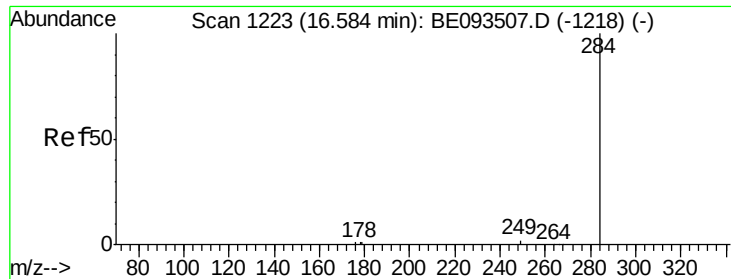


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

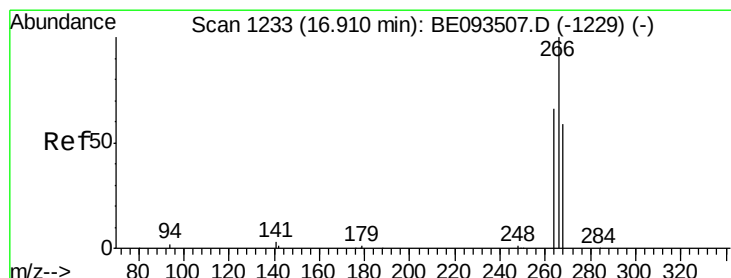
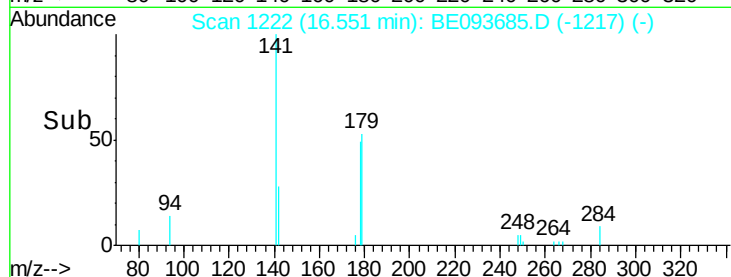
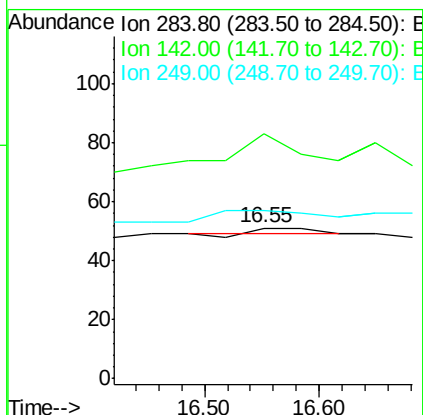
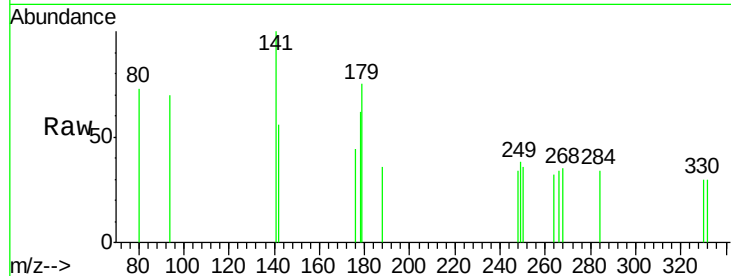




#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.55 min Scan# 1222
Delta R.T. -0.03 min
Lab File: BE093685.D
Acq: 5 Aug 2017 21:21

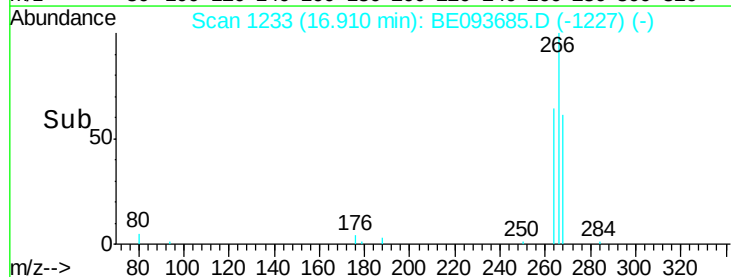
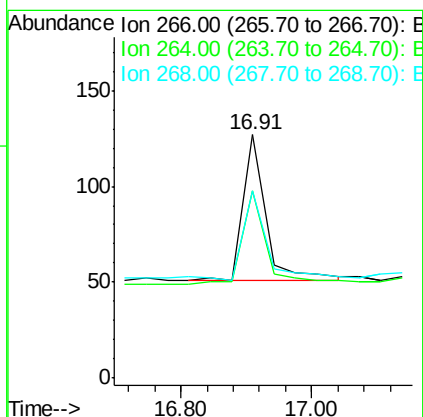
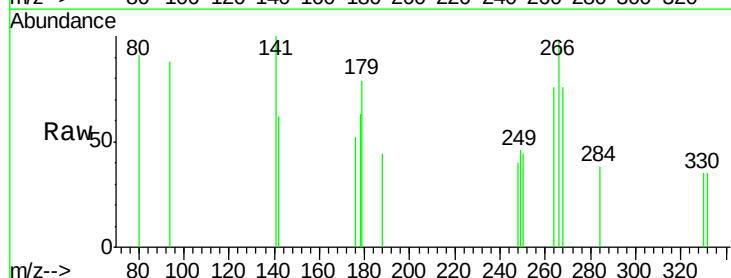
Instrument :
BNA_E
ClientSampleId :
LASB-14A-2

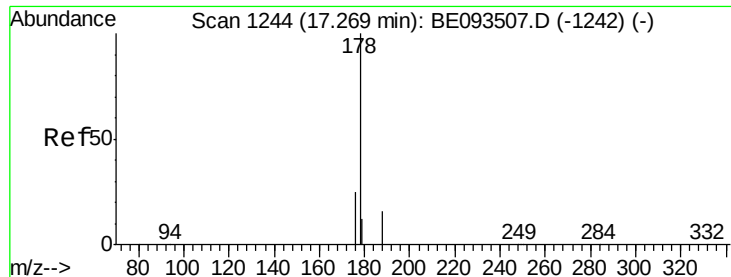
Tgt Ion: 284 Resp: 6
Ion Ratio Lower Upper
284 100
142 683.3 0.0 0.0#
249 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 0.188 ng
RT: 16.91 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE093685.D
Acq: 5 Aug 2017 21:21

Tgt Ion: 266 Resp: 184
Ion Ratio Lower Upper
266 100
264 77.2 56.0 84.0
268 77.2 52.0 78.0





#23

Phenanthrene

Concen: 0.040 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

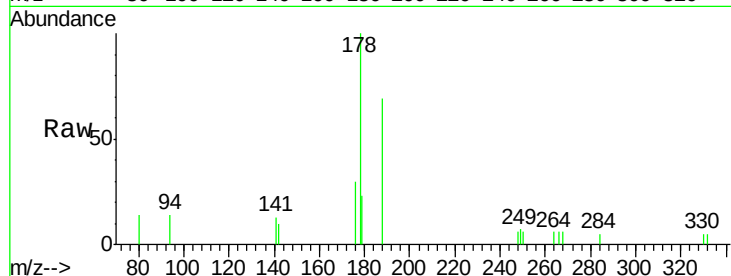
Tgt Ion:178 Resp: 2206

Ion Ratio Lower Upper

178 100

176 24.0 15.0 22.4#

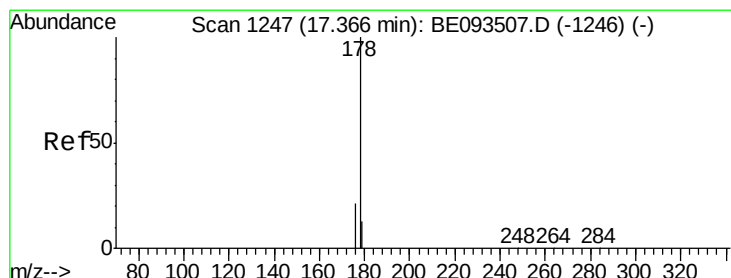
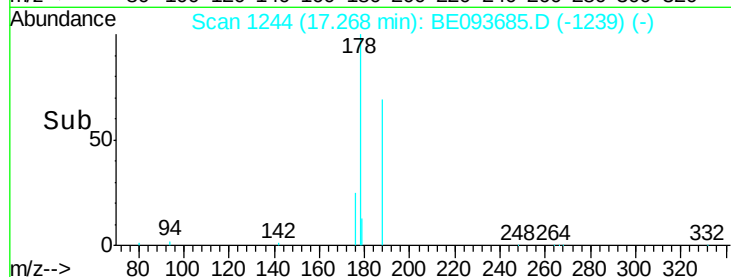
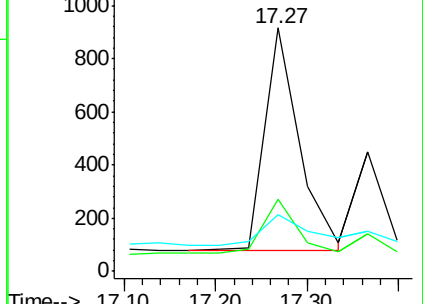
179 18.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.028 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

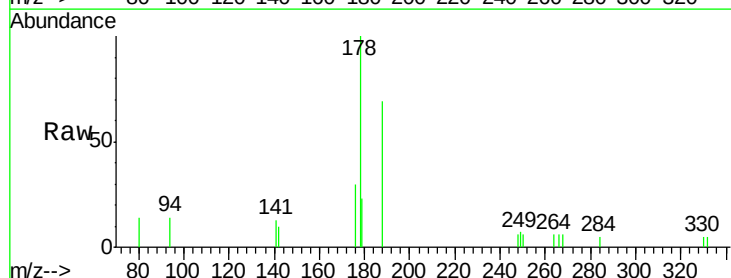
Tgt Ion:178 Resp: 2102

Ion Ratio Lower Upper

178 100

176 21.7 14.6 22.0

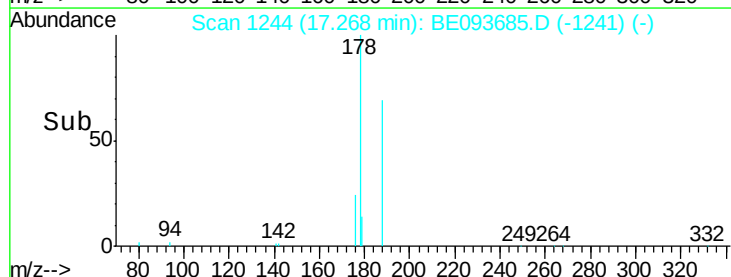
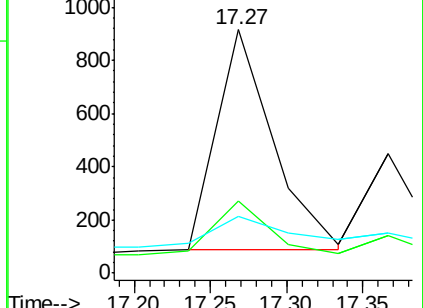
179 13.7 12.0 18.0

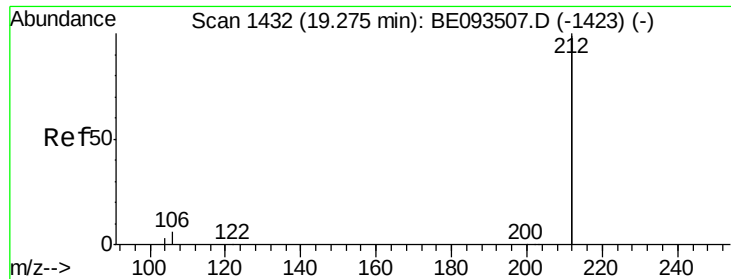


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.192 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

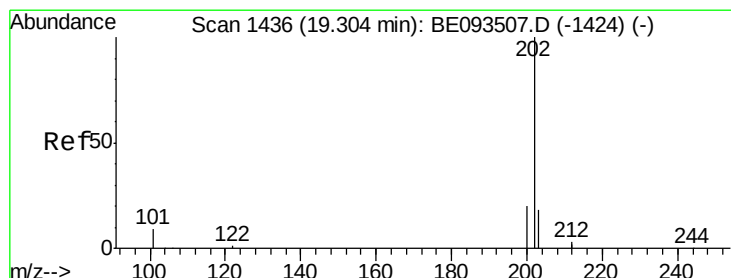
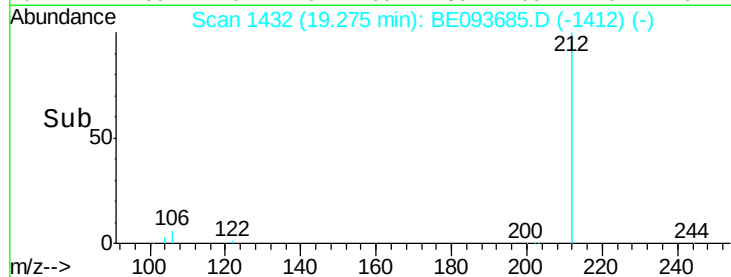
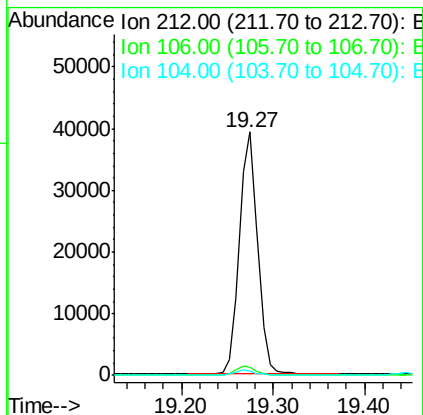
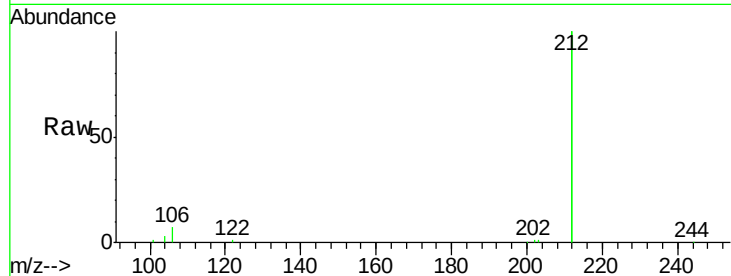
Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

Tgt Ion:	212	Resp:	54069
Ion	Ratio	Lower	Upper
212	100		
106	3.8	2.4	3.6#
104	2.1	1.6	2.4



#26

Fluoranthene

Concen: 0.053 ng

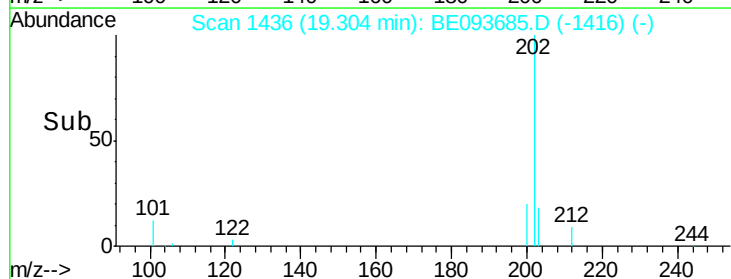
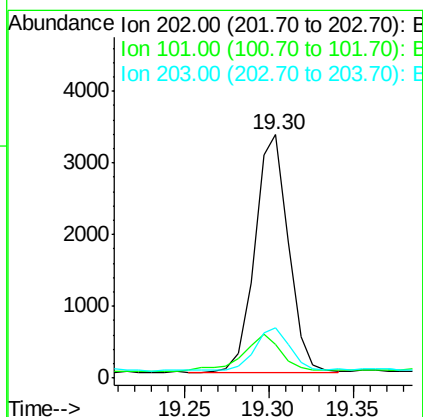
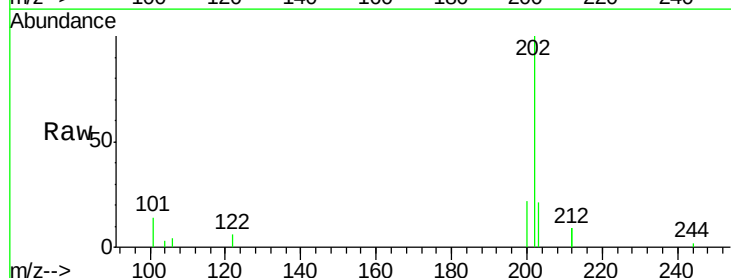
RT: 19.30 min Scan# 1436

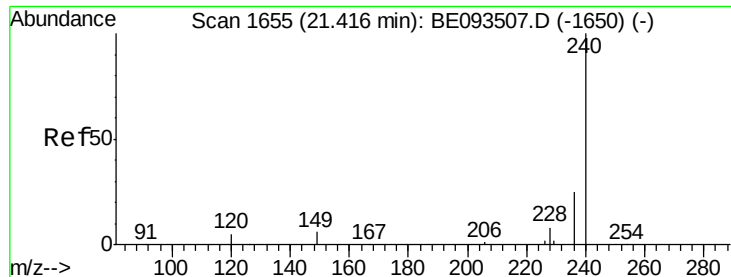
Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Tgt Ion:	202	Resp:	4603
Ion	Ratio	Lower	Upper
202	100		
101	19.9	9.6	14.4#
203	18.3	14.4	21.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

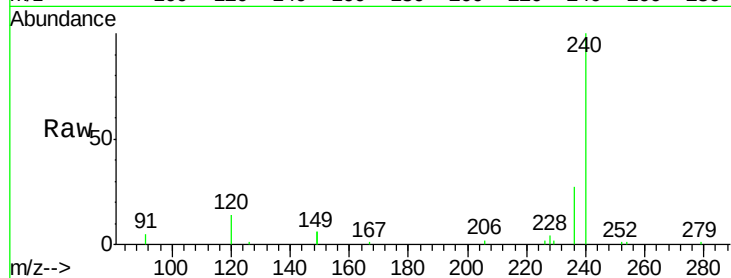
Tgt Ion:240 Resp: 24864

Ion Ratio Lower Upper

240 100

120 14.3 4.6 7.0#

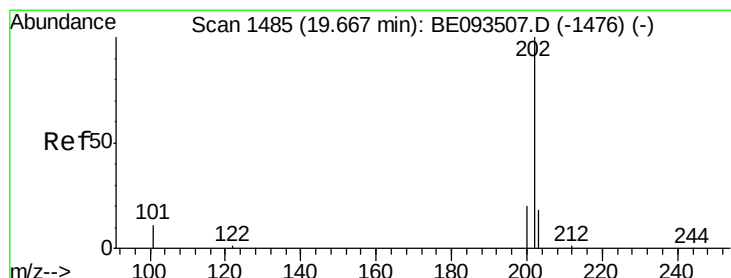
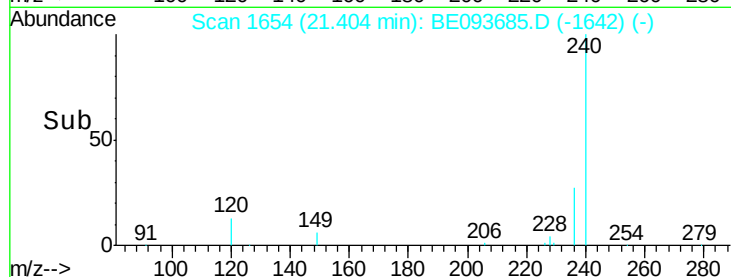
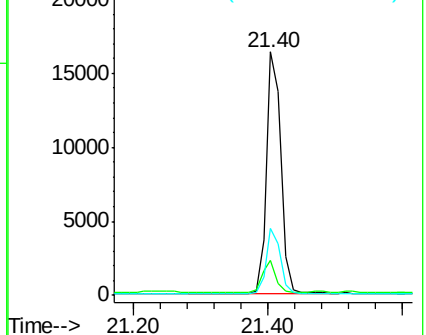
236 27.5 20.8 31.2



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



#28

Pyrene

Concen: 0.054 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

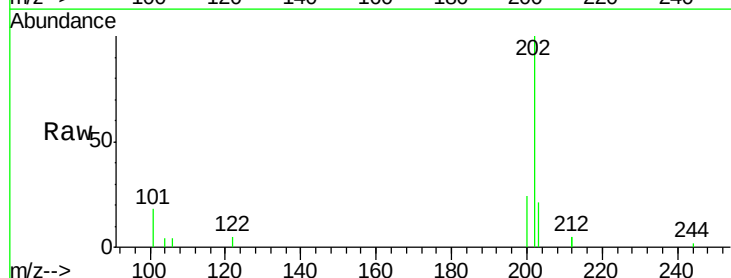
Tgt Ion:202 Resp: 4304

Ion Ratio Lower Upper

202 100

200 22.0 0.0 0.0#

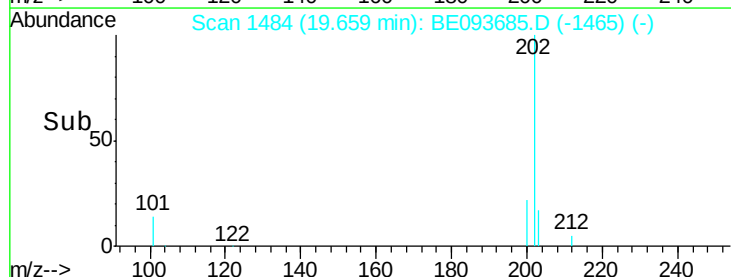
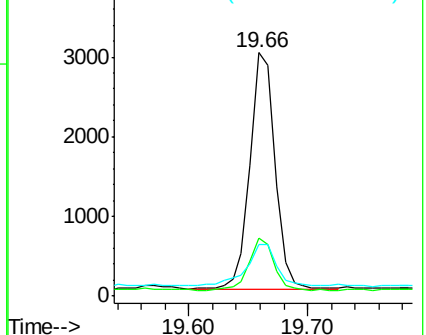
203 21.1 13.7 20.5#

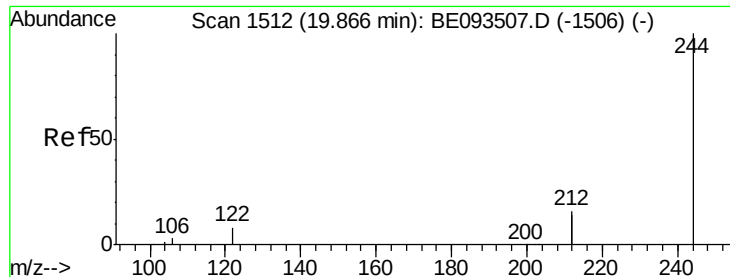


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.222 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

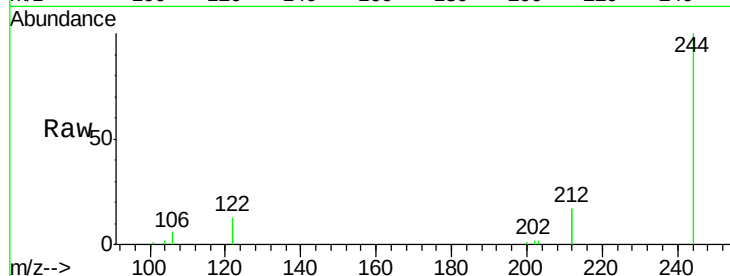
Tgt Ion:244 Resp: 9937

Ion Ratio Lower Upper

244 100

212 34.9 10.6 16.0#

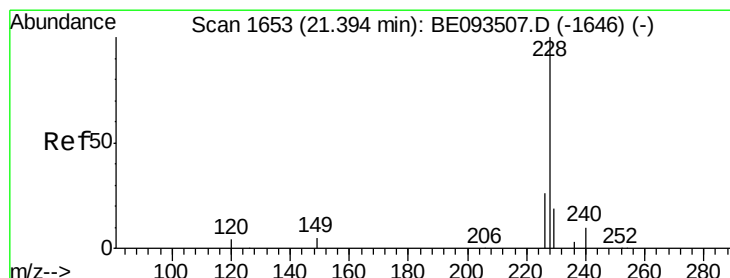
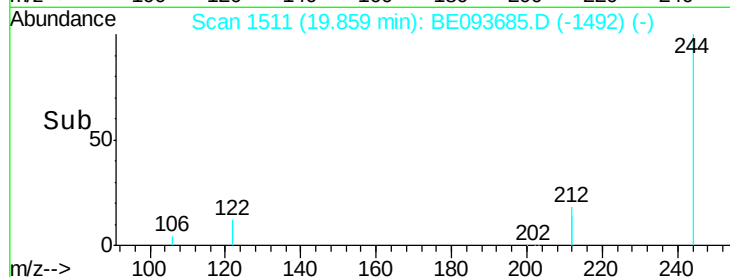
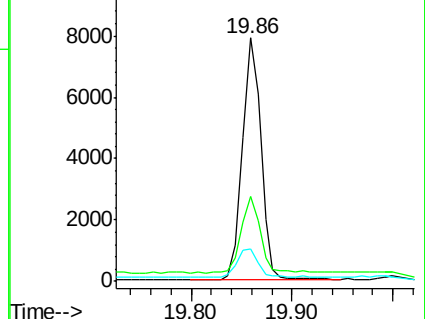
122 13.4 15.4 23.0#



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



#30

Benzo(a)anthracene

Concen: 0.035 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

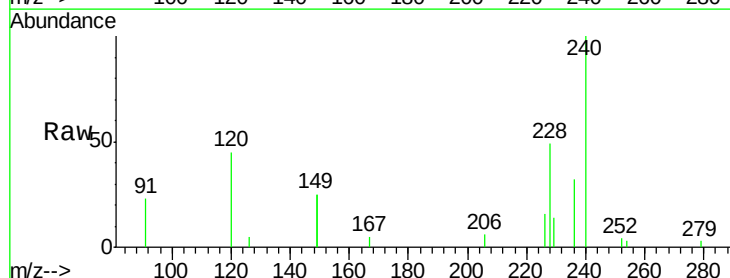
Tgt Ion:228 Resp: 2559

Ion Ratio Lower Upper

228 100

226 33.3 19.7 29.5#

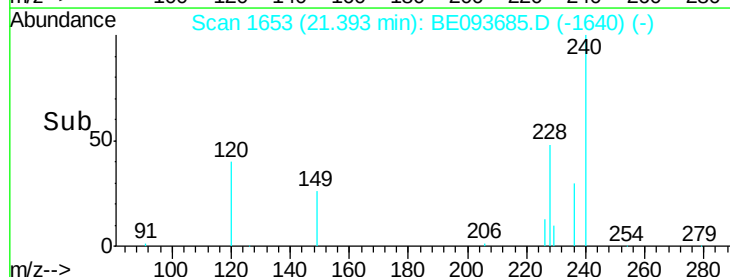
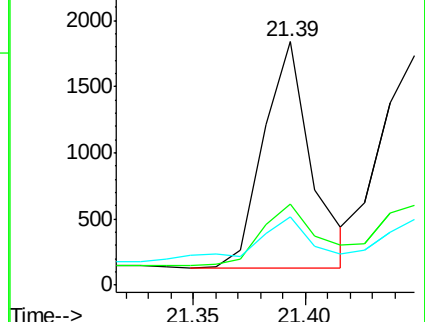
229 27.9 19.2 28.8

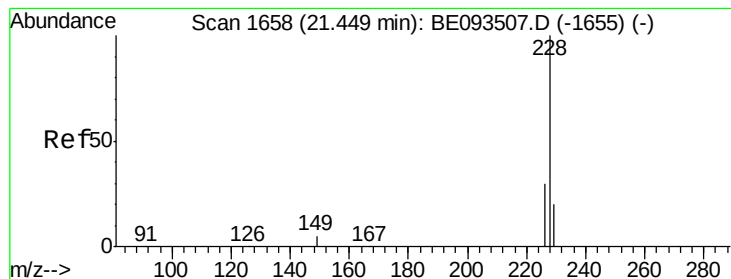


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.032 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampled :

LASB-14A-2

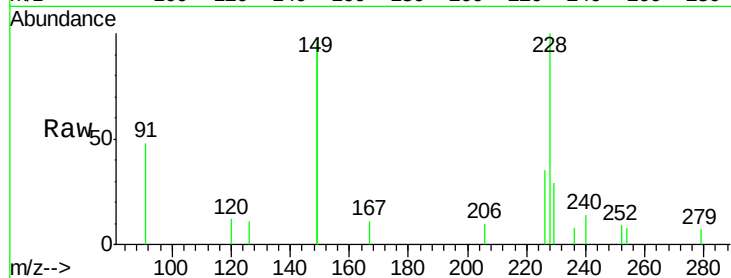
Tgt Ion:228 Resp: 2578

Ion Ratio Lower Upper

228 100

226 34.5 21.5 32.3#

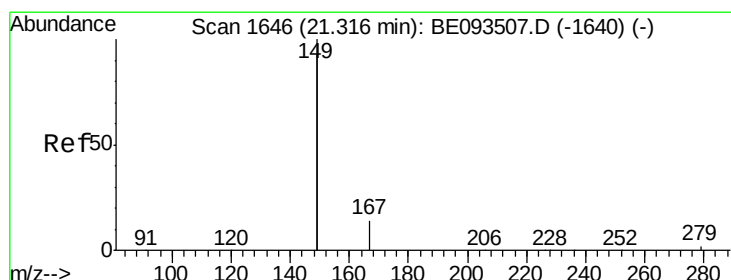
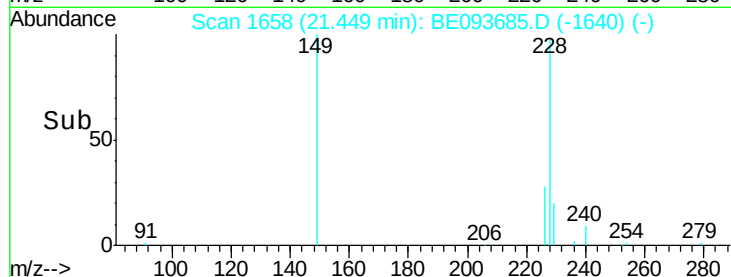
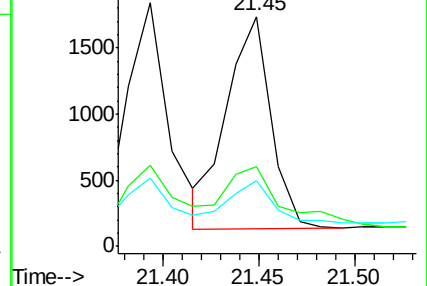
229 28.7 18.6 28.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.184 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

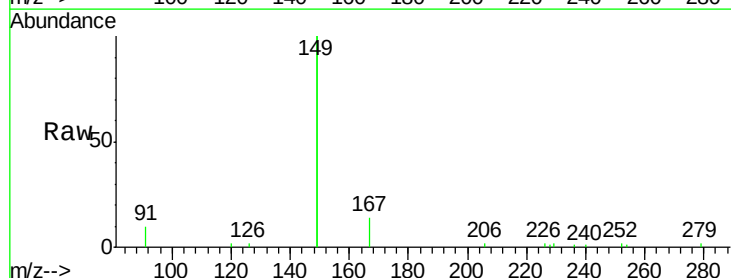
Tgt Ion:149 Resp: 18353

Ion Ratio Lower Upper

149 100

167 7.1 4.8 7.2

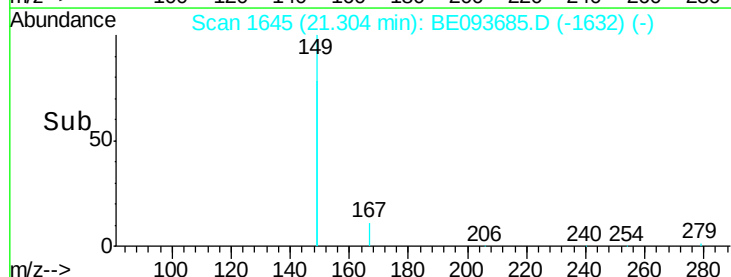
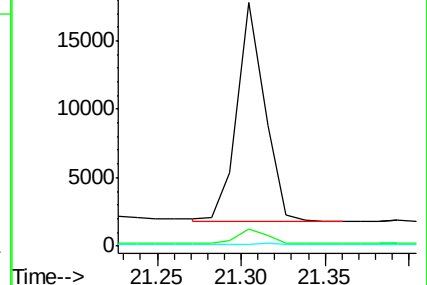
279 0.9 0.8 1.2

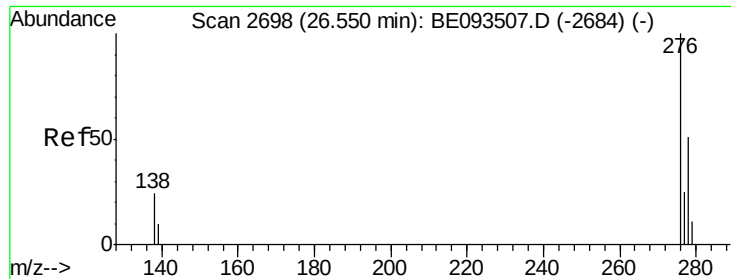


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

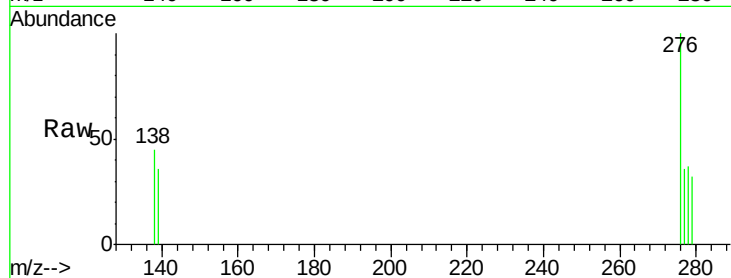
Tgt Ion:276 Resp: 1674

Ion Ratio Lower Upper

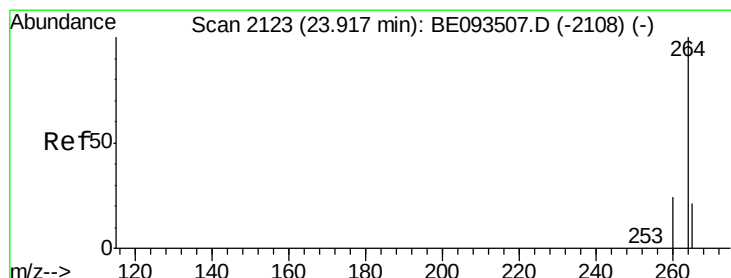
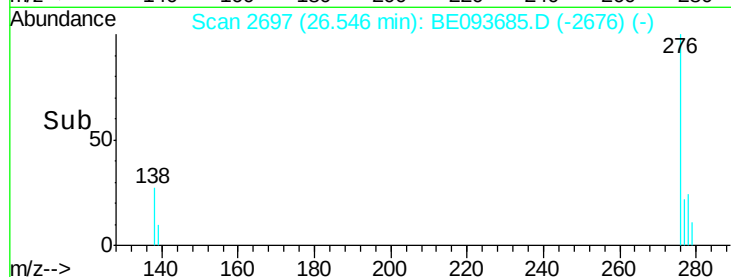
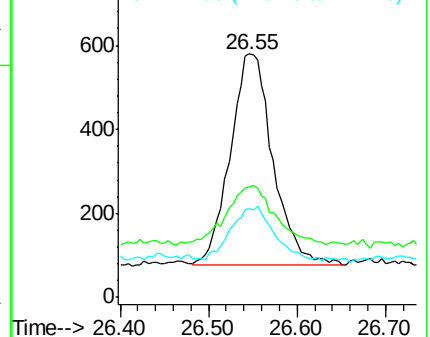
276 100

138 32.0 27.4 41.2

277 27.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

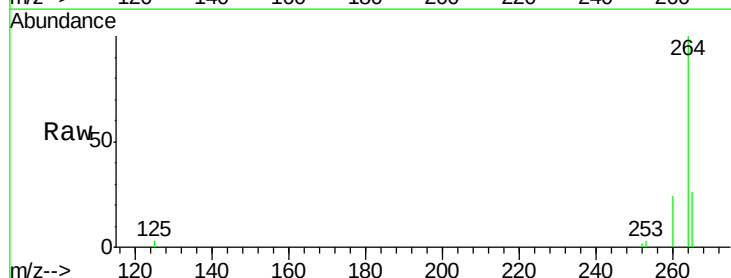
Tgt Ion:264 Resp: 22283

Ion Ratio Lower Upper

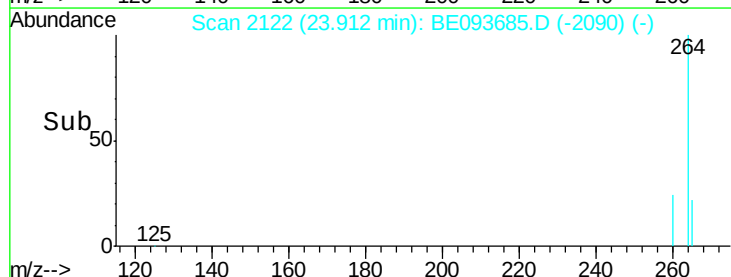
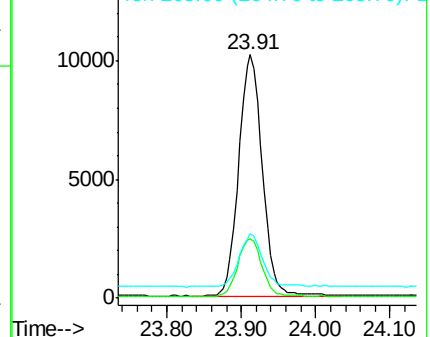
264 100

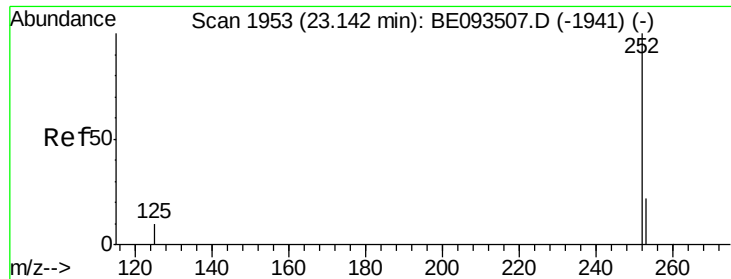
260 24.4 21.0 31.4

265 26.3 24.6 36.8



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





#35

Benzo(b)fluoranthene

Concen: 0.038 ng

RT: 23.15 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

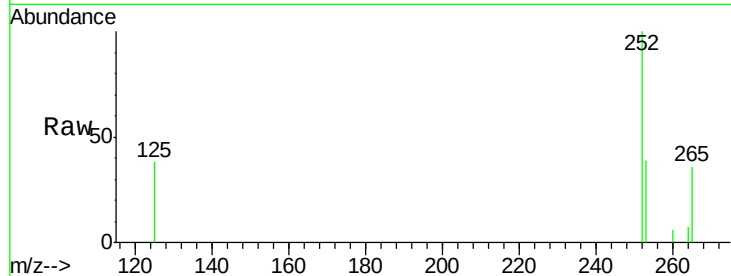
Tgt Ion:252 Resp: 2998

Ion Ratio Lower Upper

252 100

253 38.8 18.5 27.7#

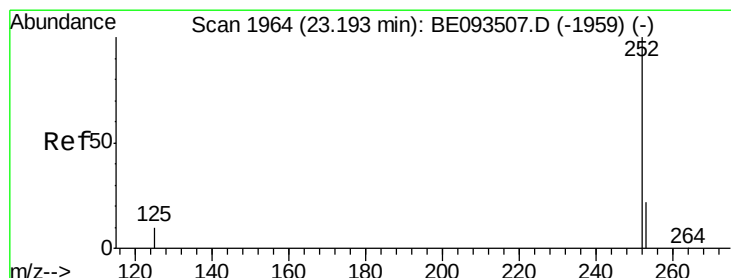
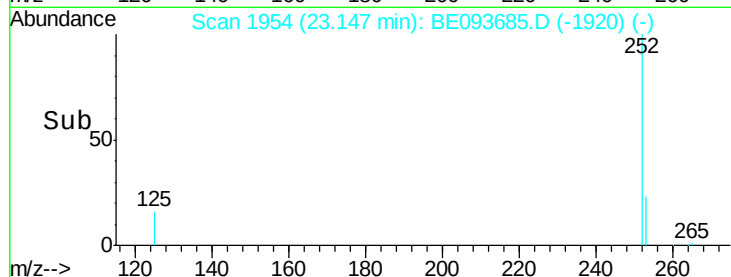
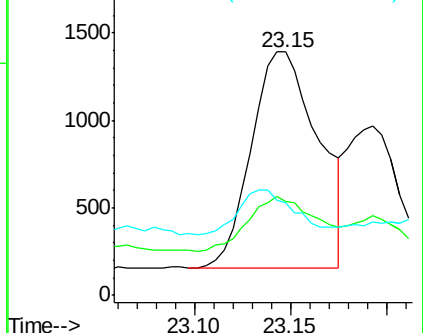
125 38.0 13.4 20.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.037 ng

RT: 23.15 min Scan# 1954

Delta R.T. -0.05 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

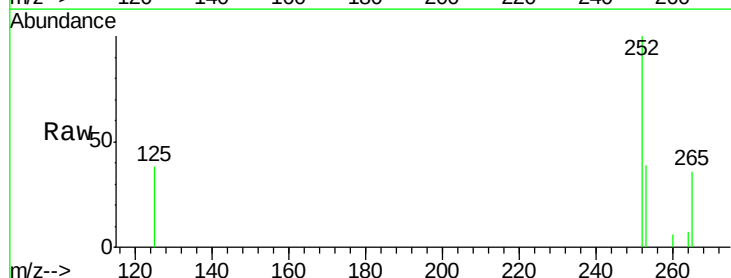
Tgt Ion:252 Resp: 2998

Ion Ratio Lower Upper

252 100

253 38.8 20.3 30.5#

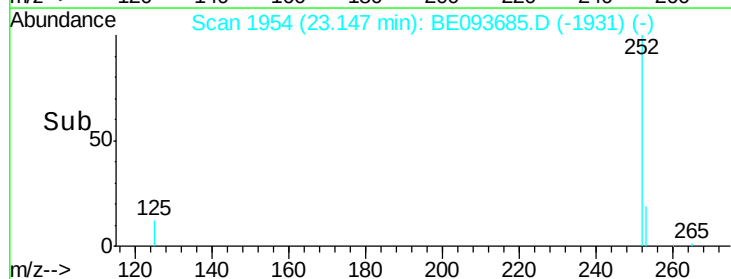
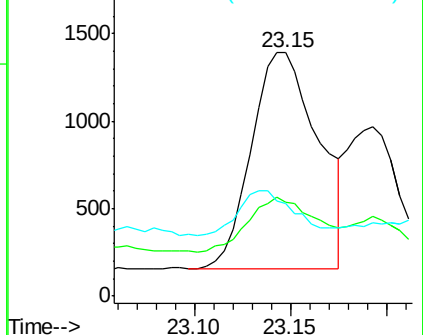
125 38.0 12.2 18.4#

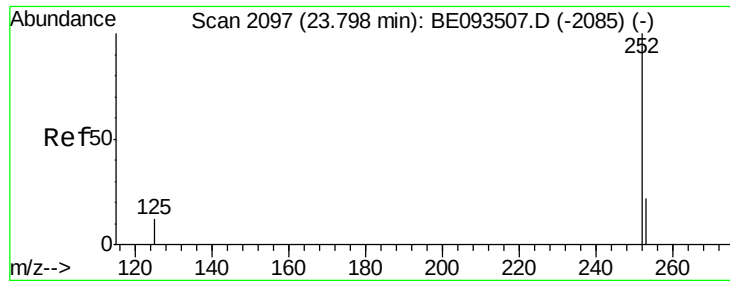


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.030 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

LASB-14A-2

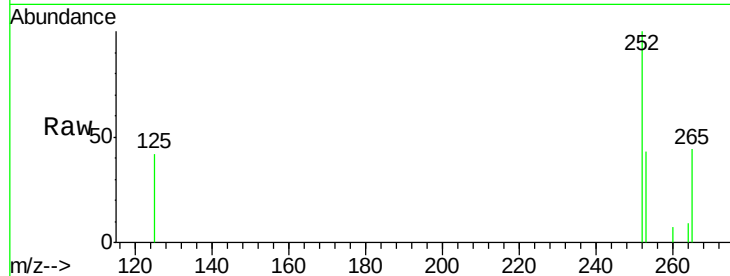
Tgt Ion:252 Resp: 2164

Ion Ratio Lower Upper

252 100

253 43.3 19.9 29.9#

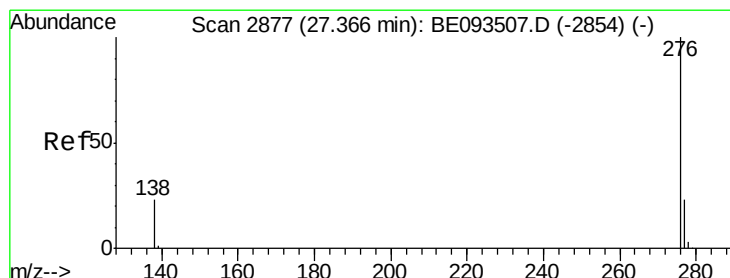
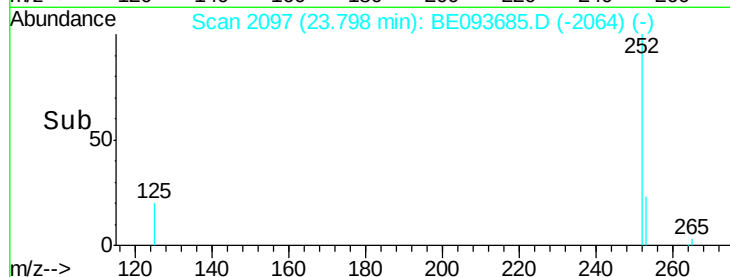
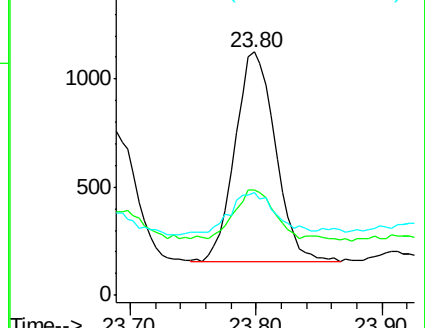
125 42.2 14.6 21.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.023 ng

RT: 27.36 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BE093685.D

Acq: 5 Aug 2017 21:21

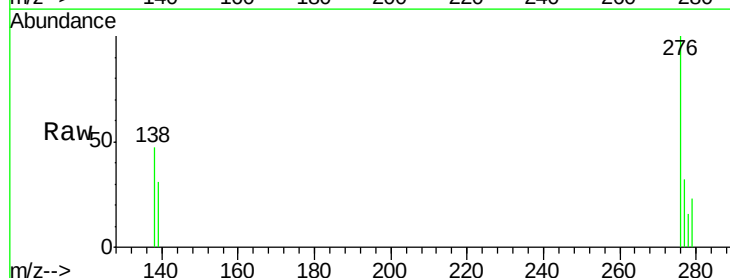
Tgt Ion:276 Resp: 1631

Ion Ratio Lower Upper

276 100

277 32.5 21.2 31.8#

138 47.2 24.5 36.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

