

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093688.D
 Acq On : 5 Aug 2017 23:14
 Operator : SJ/JU
 Sample : I4427-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

Quant Time: Aug 06 02:47:00 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	3617	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	18735	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	10359	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	22493	0.40	ng	0.00
27) Chrysene-d12	21.40	240	24860	0.40	ng	-0.01
34) Perylene-d12	23.92	264	21779	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	3277	0.30	ng	0.00
5) Phenol-d6	7.09	99	5269	0.32	ng	-0.01
8) Nitrobenzene-d5	9.06	82	5117	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	6381	0.22	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	698	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7494	0.18	ng	-0.02
25) Fluoranthene-d10	19.27	212	44225	0.17	ng	0.00
29) Terphenyl-d14	19.86	244	7076	0.16	ng	0.00

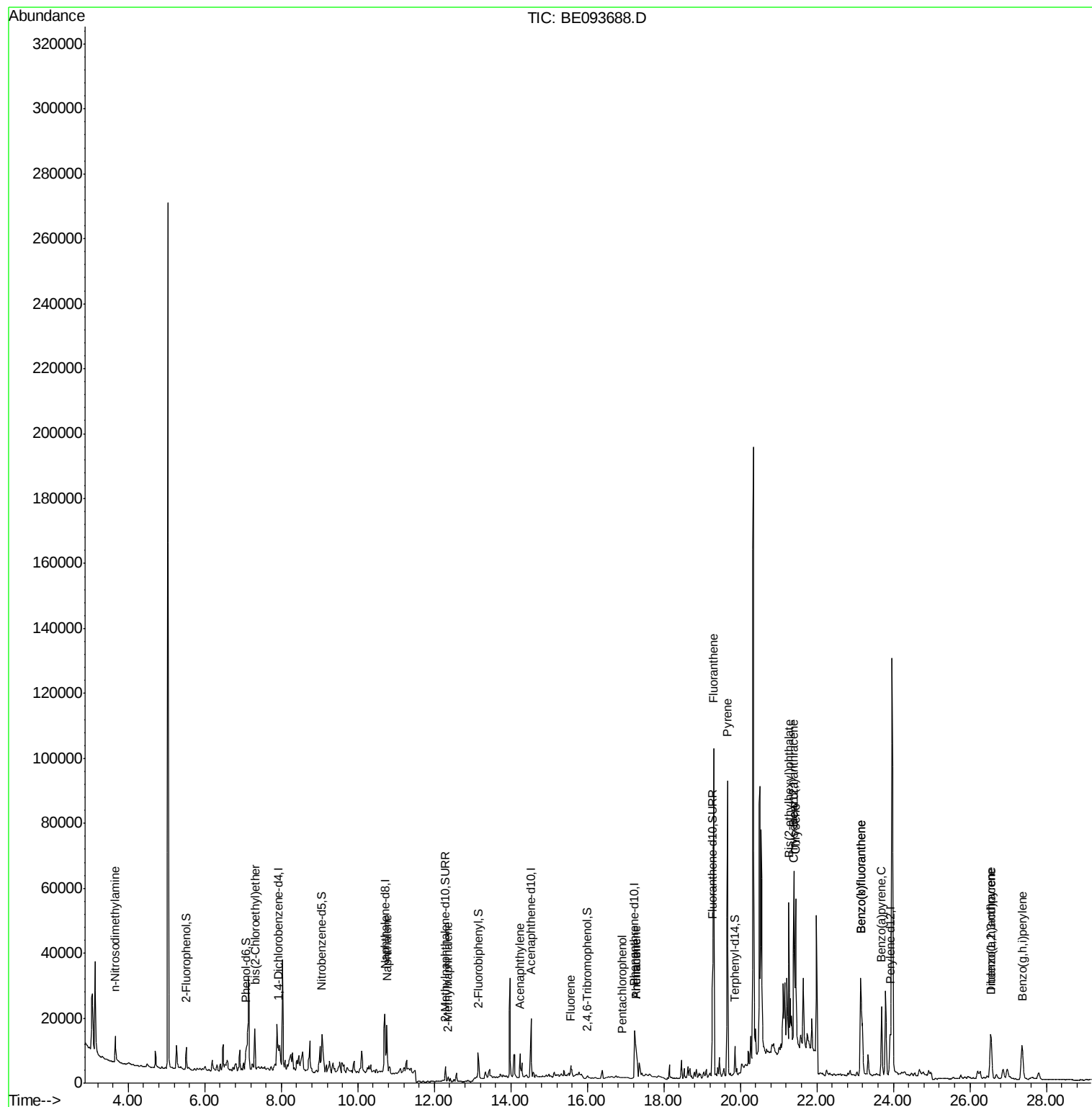
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.66	42	1641	0.299	ng	# 1
6) bis(2-Chloroethyl)ether	7.31	93	562	0.041	ng	# 1
9) Naphthalene	10.76	128	23169	0.107	ng	# 97
12) 2-Methylnaphthalene	12.36	142	1106	0.031	ng	94
16) Acenaphthylene	14.24	152	9177	0.185	ng	# 87
18) Fluorene	15.56	166	3239	0.069	ng	# 76
20) 4-Bromophenyl-phenylether	16.42	248	4	Below Cal		# 1
22) Pentachlorophenol	16.91	266	20	0.155	ng	# 60
23) Phenanthrene	17.27	178	21003	0.425	ng	# 94
24) Anthracene	17.27	178	20812	0.308	ng	# 93
26) Fluoranthene	19.30	202	90425	1.148	ng	99
28) Pyrene	19.66	202	85865	1.069	ng	# 93
30) Benzo(a)anthracene	21.39	228	48726	0.667	ng	# 94
31) Chrysene	21.45	228	46559	0.571	ng	93
32) Bis(2-ethylhexyl)phthalate	21.27	149	68178	0.684	ng	# 86
33) Indeno(1,2,3-cd)pyrene	26.55	276	25153	0.341	ng	# 90
35) Benzo(b)fluoranthene	23.15	252	57416	0.739	ng	96
36) Benzo(k)fluoranthene	23.15	252	57416	0.723	ng	97
37) Benzo(a)pyrene	23.69	252	30597	0.435	ng	100
38) Dibenzo(a,h)anthracene	26.57	278	7012	0.103	ng	# 89
39) Benzo(g,h,i)perylene	27.37	276	25848	0.375	ng	95

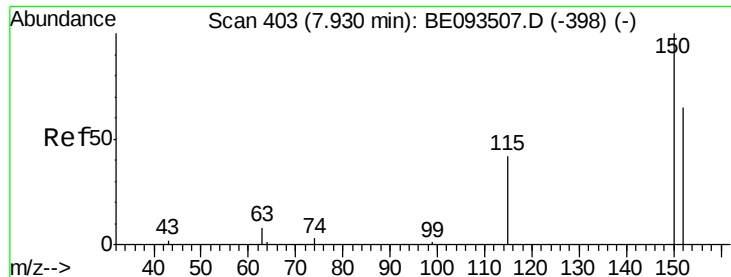
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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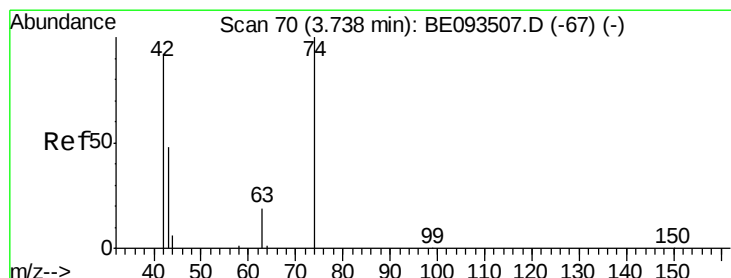
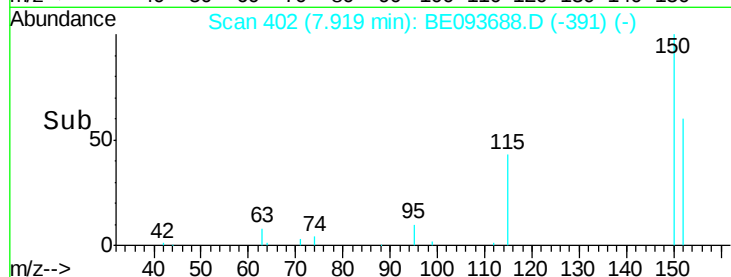
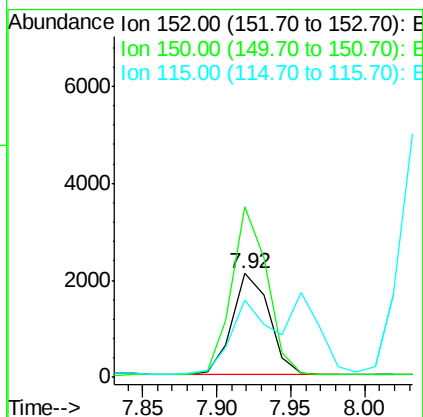
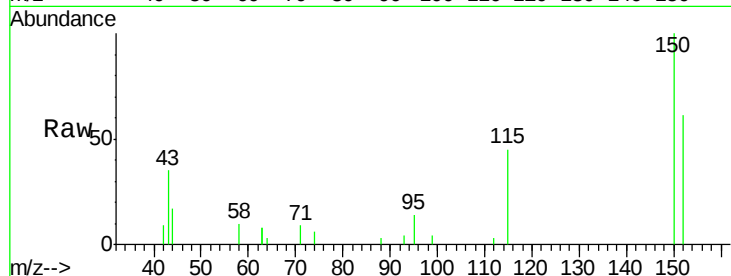


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Instrument :
BNA_E
ClientSampleId :
LASB-17B-1

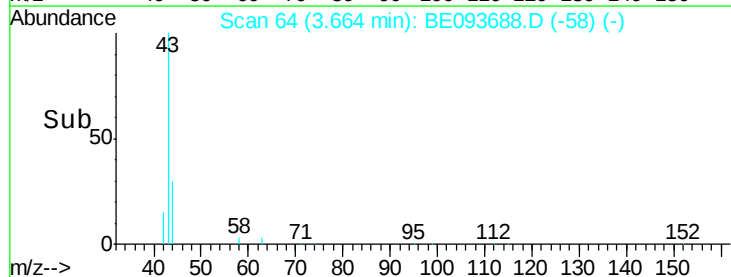
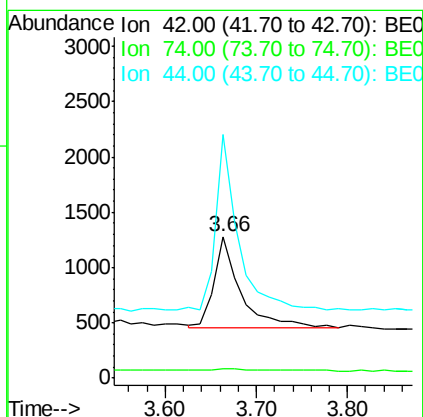
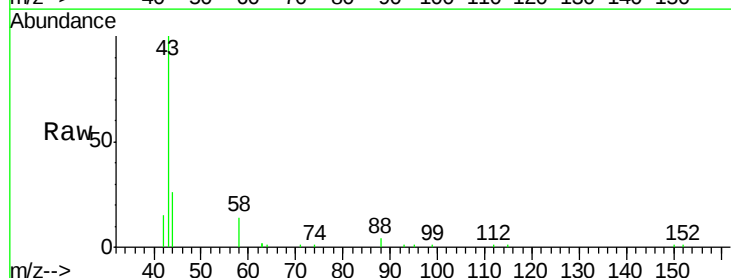
Tgt Ion:152 Resp: 3617
Ion Ratio Lower Upper
152 100
150 164.4 125.1 187.7
115 74.5 55.7 83.5

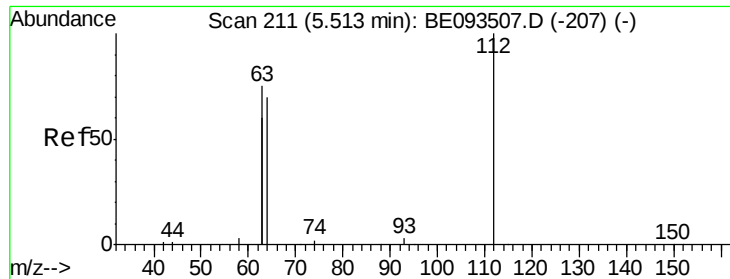


#3

n-Nitrosodimethylamine
Concen: 0.299 ng
RT: 3.66 min Scan# 64
Delta R.T. -0.07 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Tgt Ion: 42 Resp: 1641
Ion Ratio Lower Upper
42 100
74 2.4 99.1 148.7#
44 161.7 7.4 11.2#





#4

2-Fluorophenol

Concen: 0.304 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

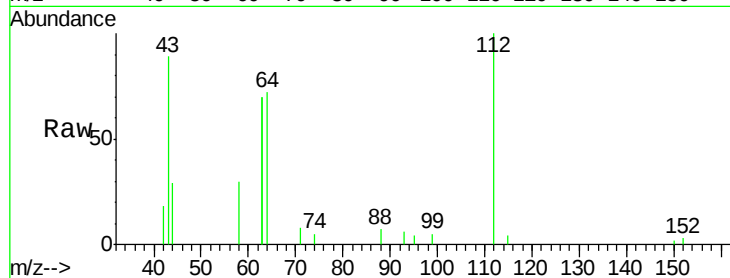
Tgt Ion:112 Resp: 3277

Ion Ratio Lower Upper

112 100

64 74.1 56.4 84.6

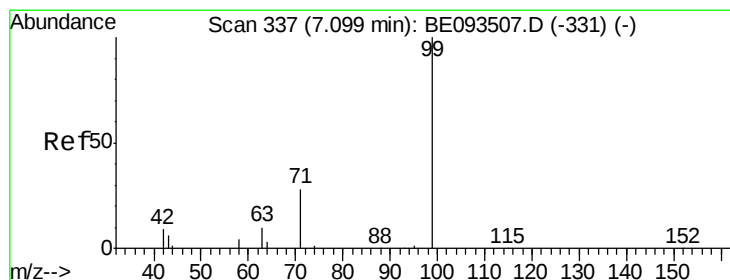
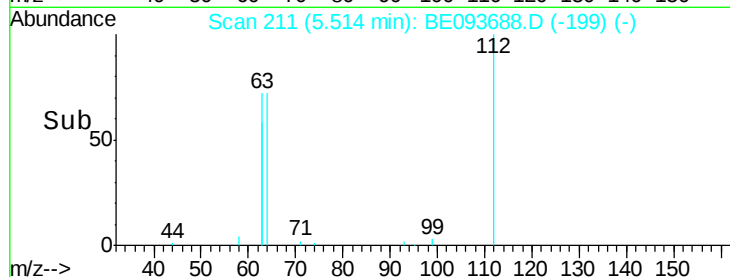
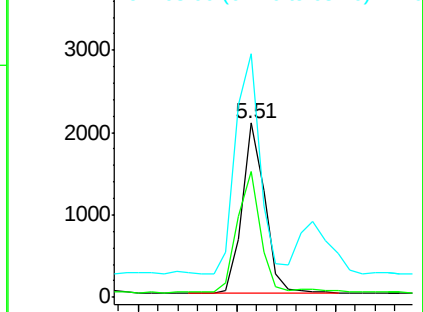
63 138.1 29.3 43.9#



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: 0.325 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

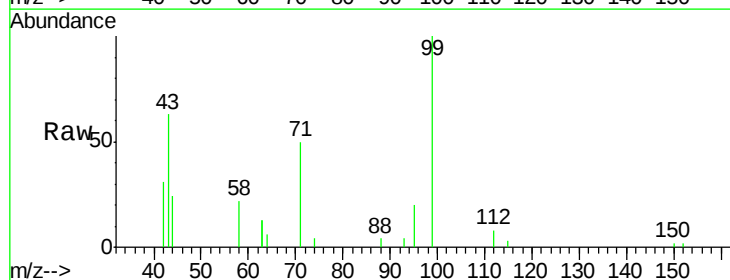
Tgt Ion: 99 Resp: 5269

Ion Ratio Lower Upper

99 100

42 49.8 0.0 0.0#

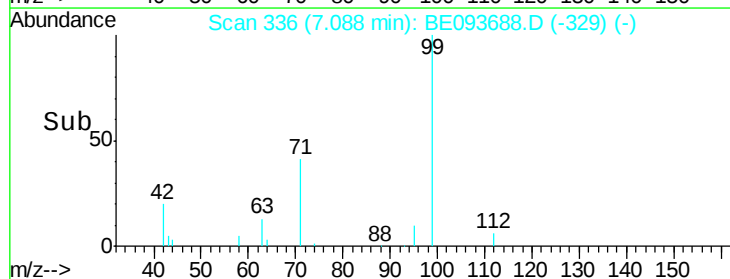
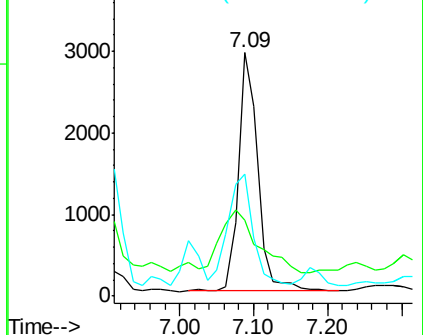
71 59.0 0.0 0.0#

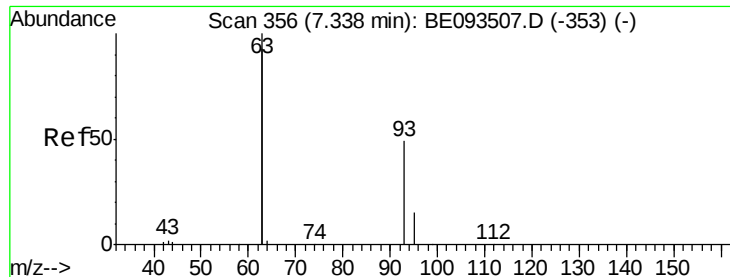


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.041 ng

RT: 7.31 min Scan# 354

Delta R.T. -0.02 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

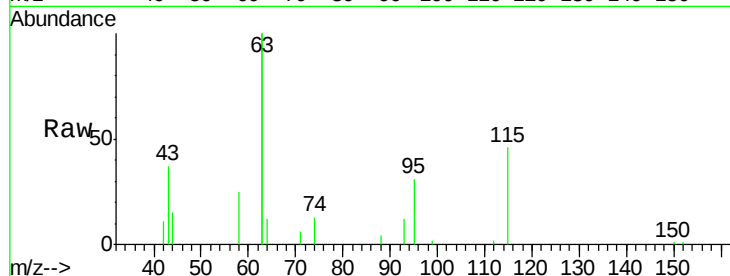
Tgt Ion: 93 Resp: 562

Ion Ratio Lower Upper

93 100

63 2682.0 0.0 0.0#

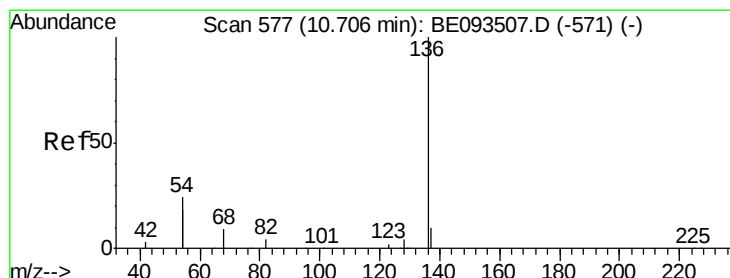
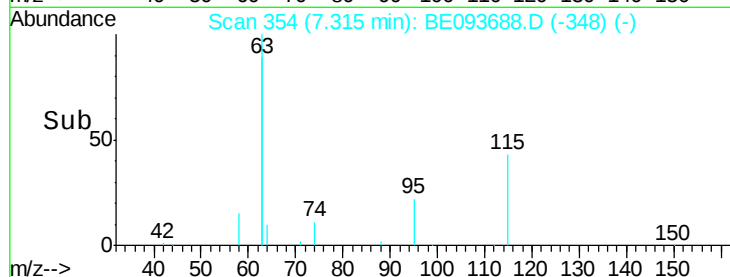
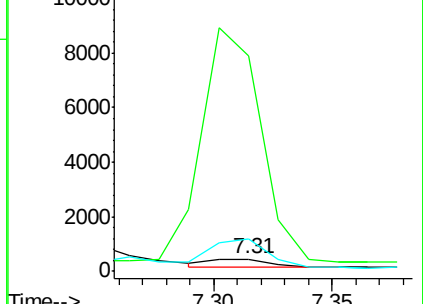
95 345.7 25.4 38.0#



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: BE093688.D

Acq: 5 Aug 2017 23:14

Tgt Ion: 136 Resp: 18735

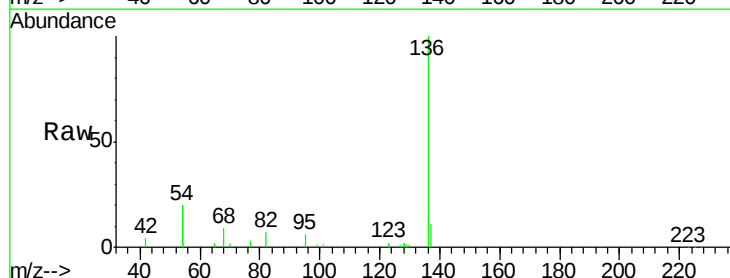
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 40.8 10.3 15.5#

68 9.1 9.0 13.4

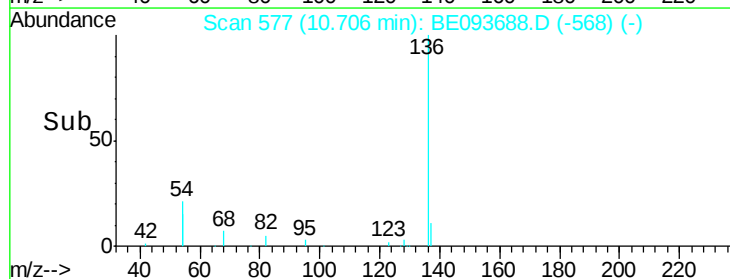
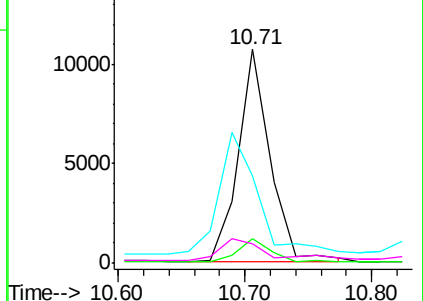


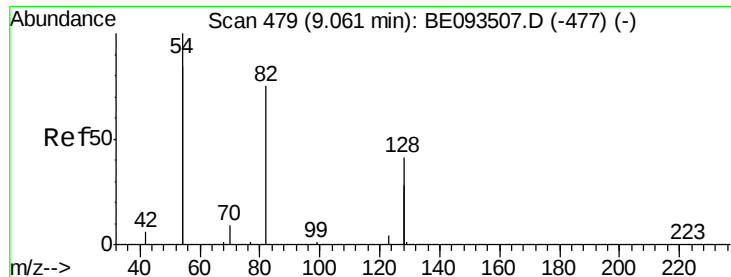
Abundance Ion 136.00 (135.70 to 136.70): E

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

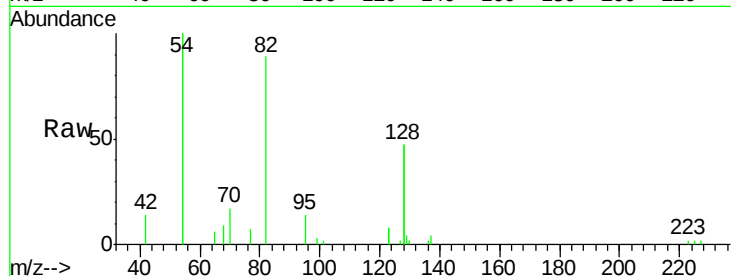




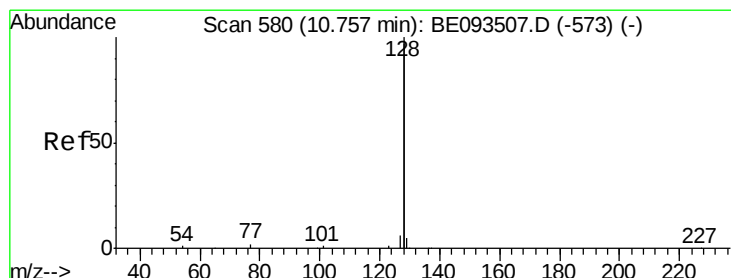
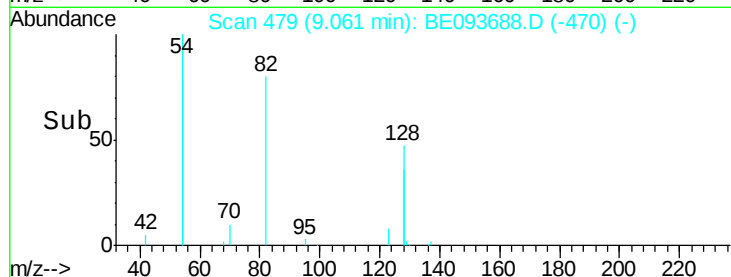
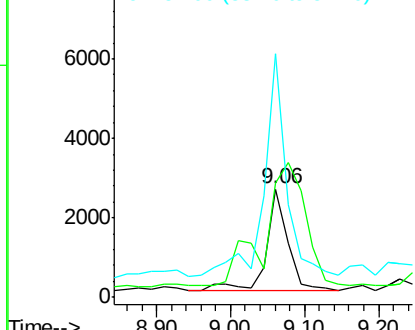
#8
 Nitrobenzene-d5
 Concen: 0.358 ng
 RT: 9.06 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	105.7	17.0	25.4#
54	225.1	53.8	80.6#

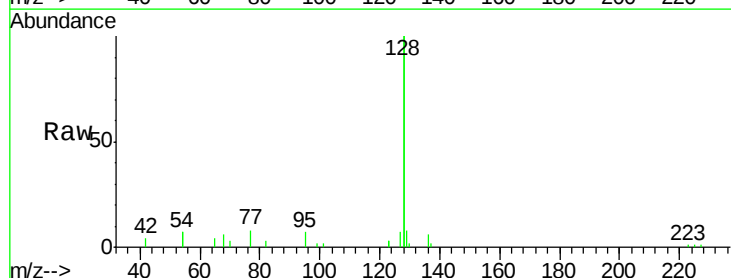


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

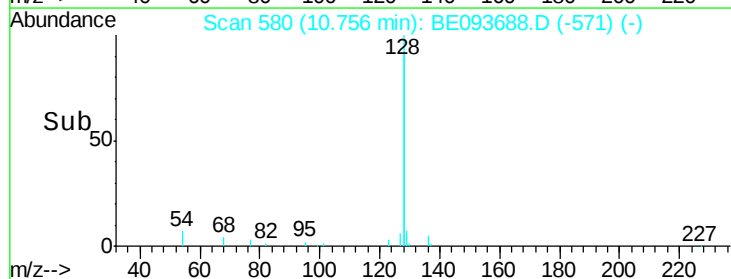
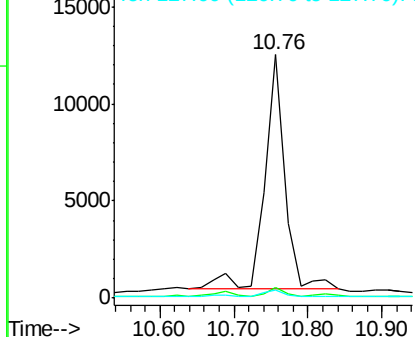


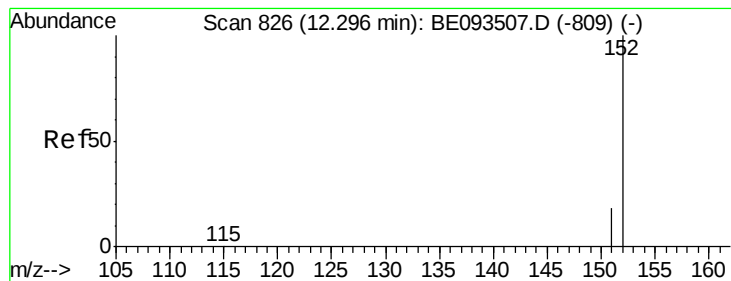
#9
 Naphthalene
 Concen: 0.107 ng
 RT: 10.76 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	4.2	2.4	3.6#
127	3.6	2.4	3.6



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.216 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

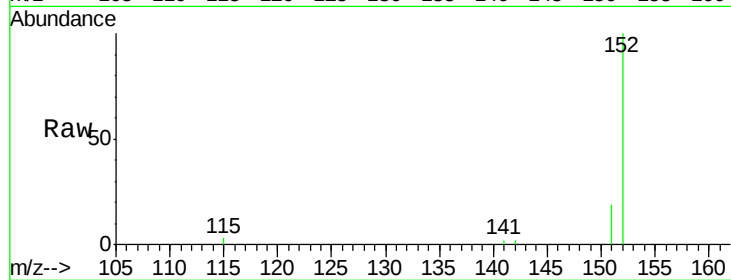
LASB-17B-1

Tgt Ion:152 Resp: 6381

Ion Ratio Lower Upper

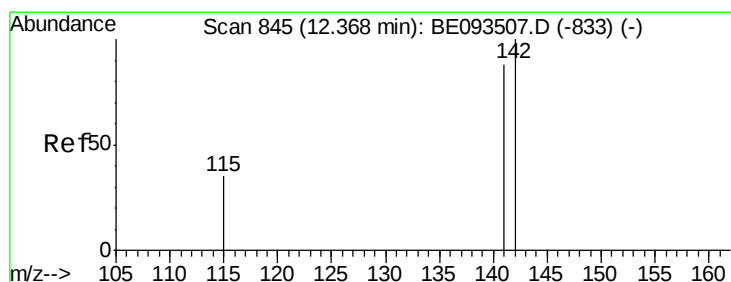
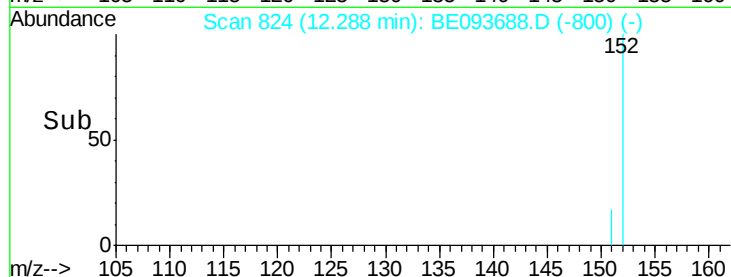
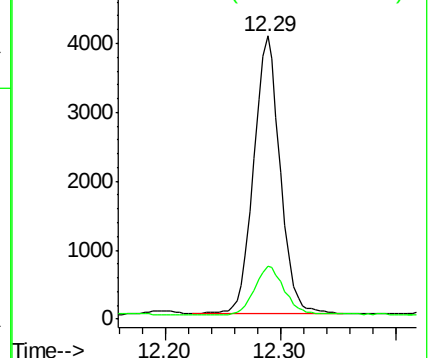
152 100

151 19.7 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 12.36 min Scan# 844

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

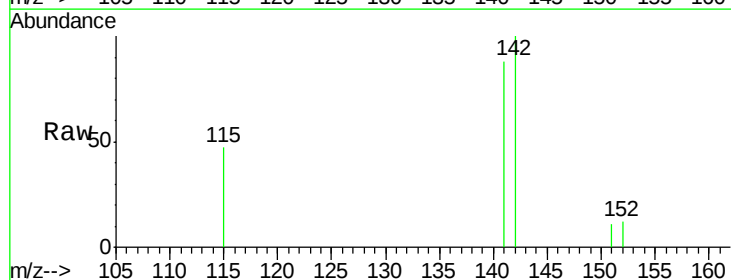
Tgt Ion:142 Resp: 1106

Ion Ratio Lower Upper

142 100

141 87.7 72.6 108.8

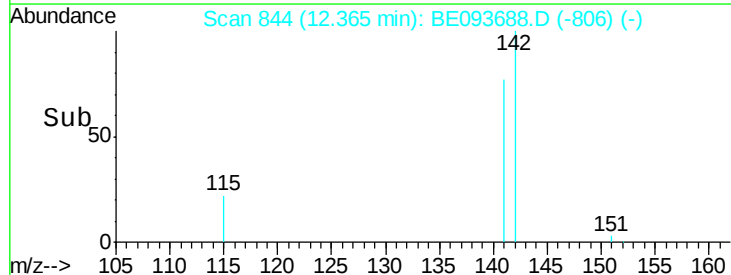
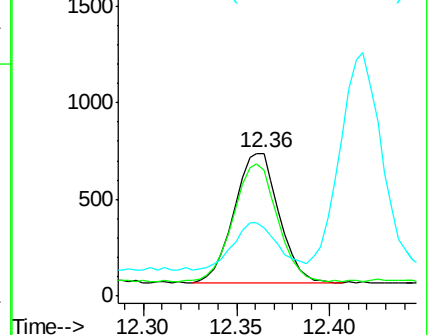
115 47.3 32.2 48.2

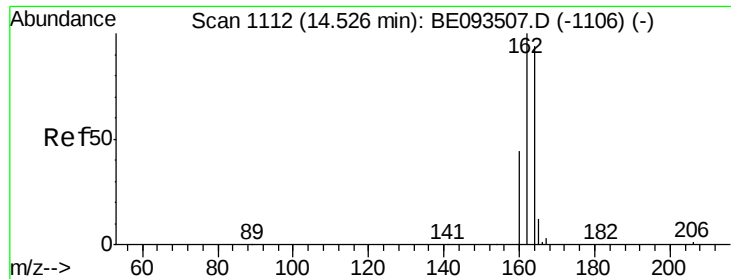


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

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LASB-17B-1

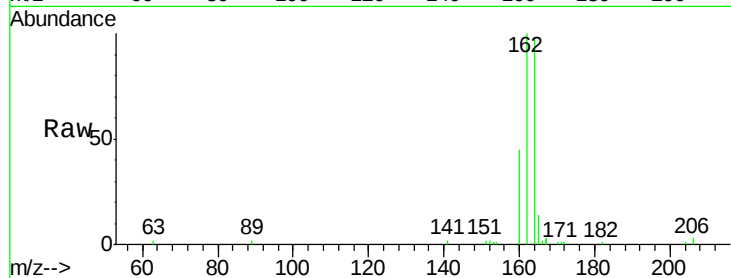
Tgt Ion:164 Resp: 10359

Ion Ratio Lower Upper

164 100

162 102.1 84.6 127.0

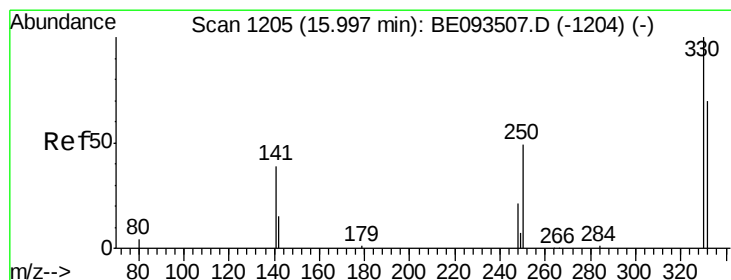
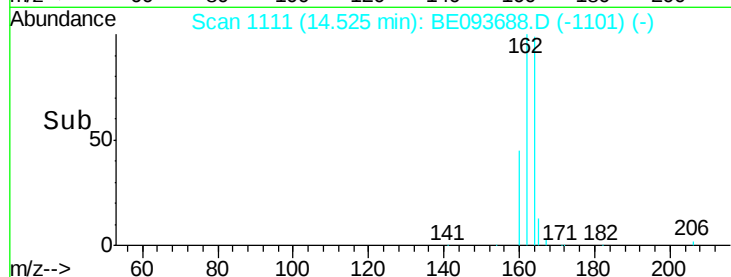
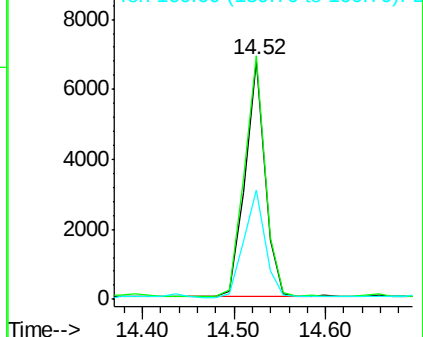
160 45.9 41.8 62.6



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

2,4,6-Tribromophenol

Concen: 0.332 ng

RT: 16.00 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

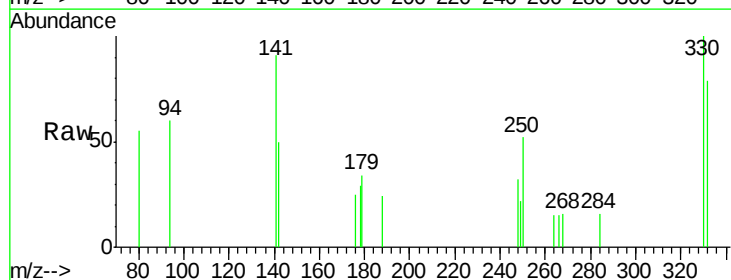
Tgt Ion:330 Resp: 698

Ion Ratio Lower Upper

330 100

332 88.8 77.7 116.5

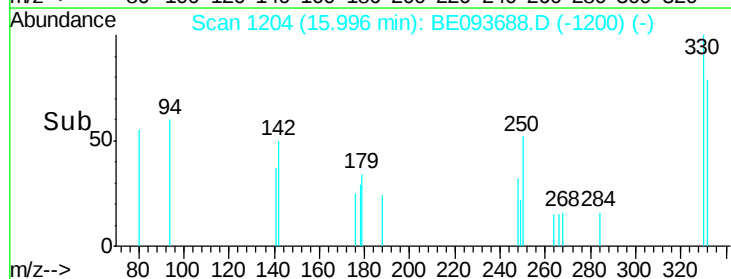
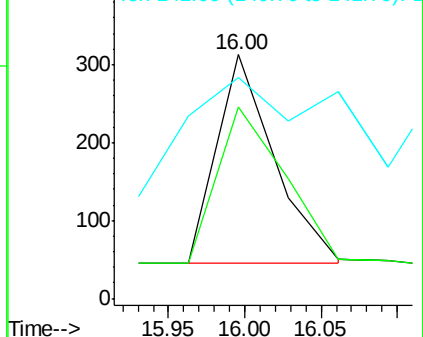
141 99.4 56.2 84.4#

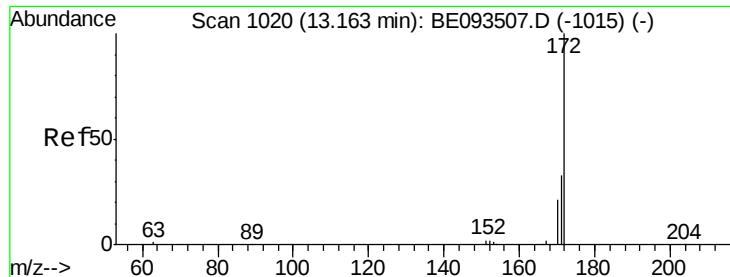


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

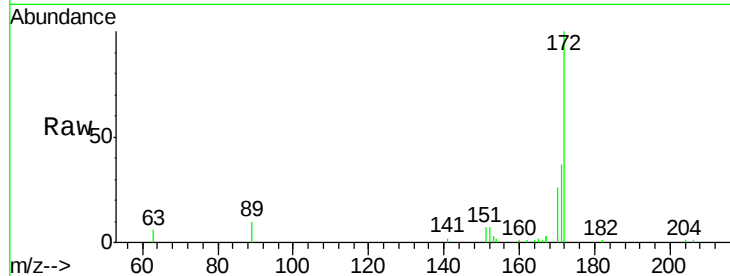




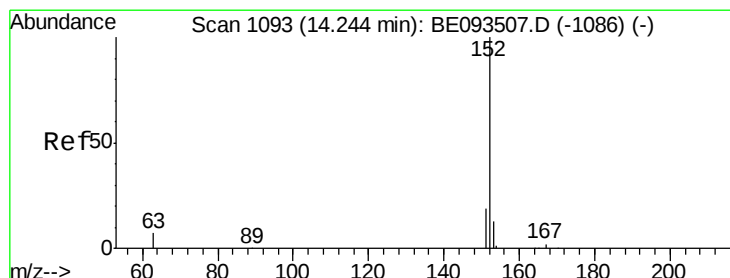
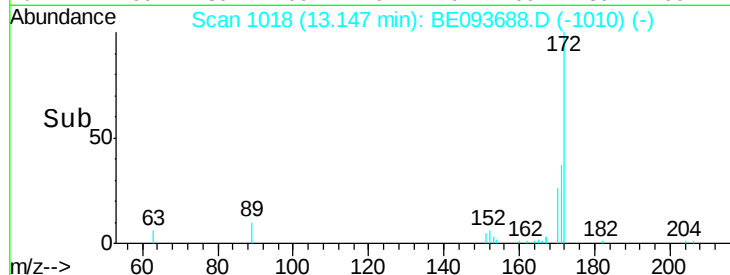
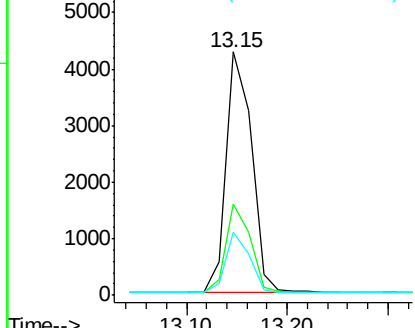
#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Instrument :
BNA_E
ClientSampleId :
LASB-17B-1

Tgt Ion:172 Resp: 7494
Ion Ratio Lower Upper
172 100
171 37.5 29.8 44.6
170 26.0 20.7 31.1

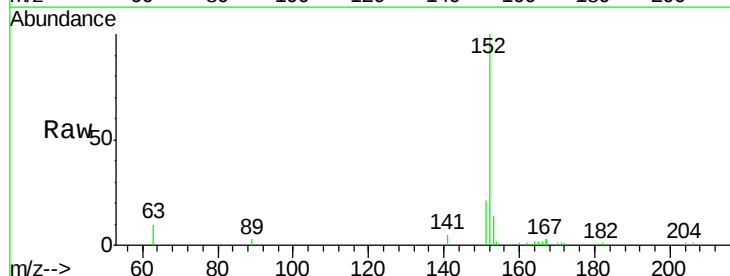


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

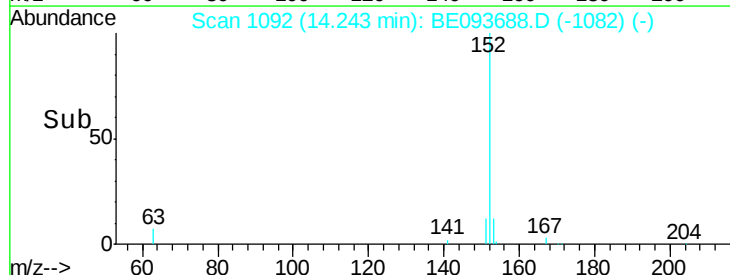
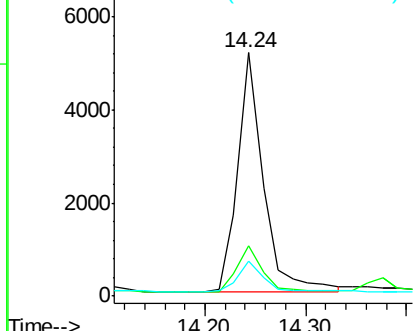


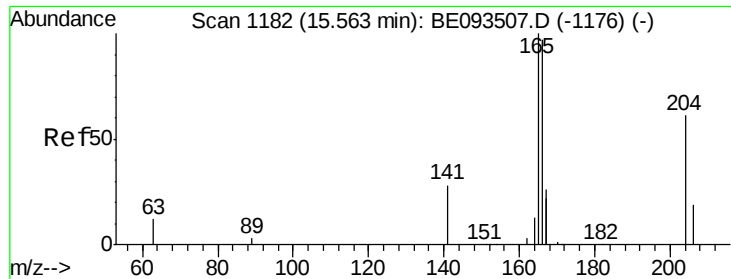
#16
Acenaphthylene
Concen: 0.185 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Tgt Ion:152 Resp: 9177
Ion Ratio Lower Upper
152 100
151 19.8 4.0 6.0#
153 13.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#18

Fluorene

Concen: 0.069 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

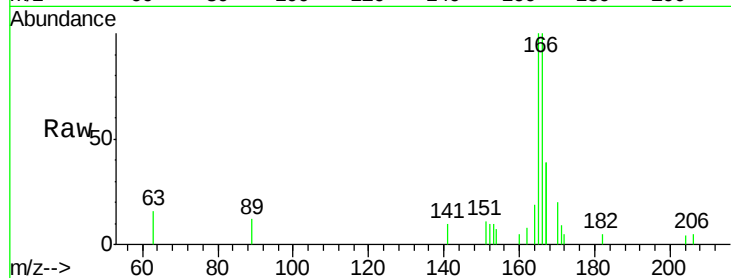
Tgt Ion:166 Resp: 3239

Ion Ratio Lower Upper

166 100

165 86.2 78.6 117.8

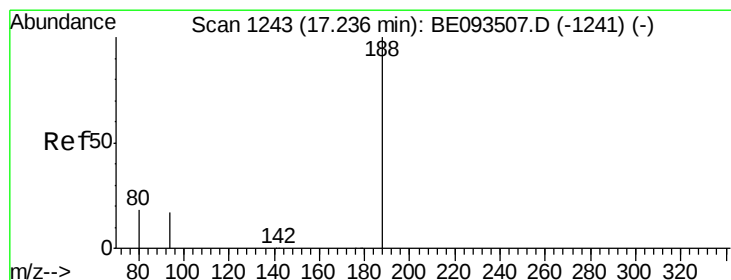
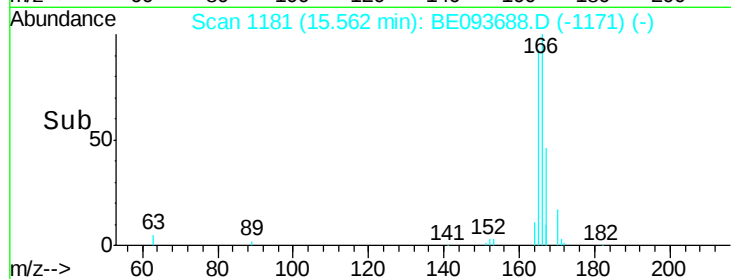
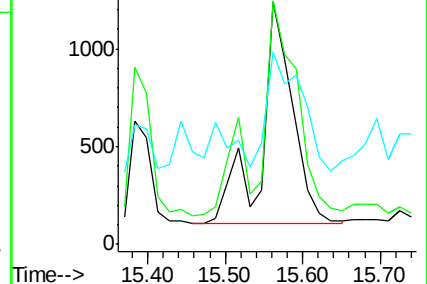
167 57.1 11.1 16.7#



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: 17.23 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

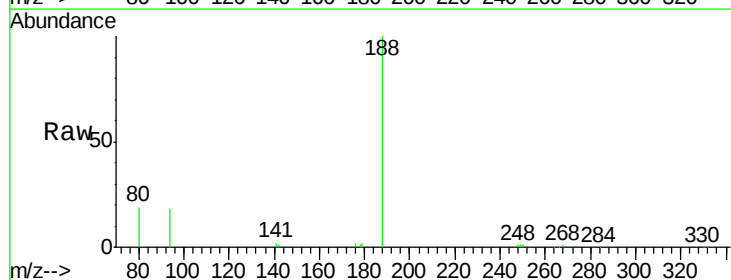
Tgt Ion:188 Resp: 22493

Ion Ratio Lower Upper

188 100

94 18.2 11.3 16.9#

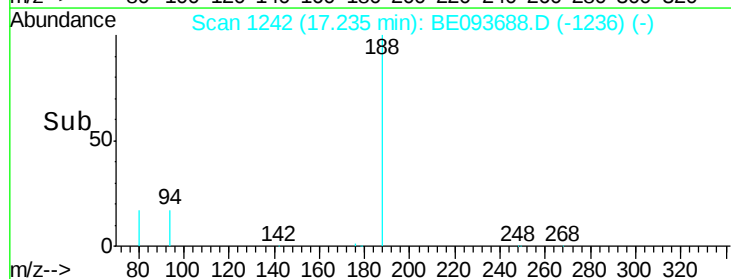
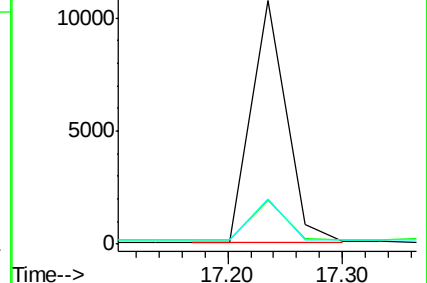
80 18.6 11.7 17.5#

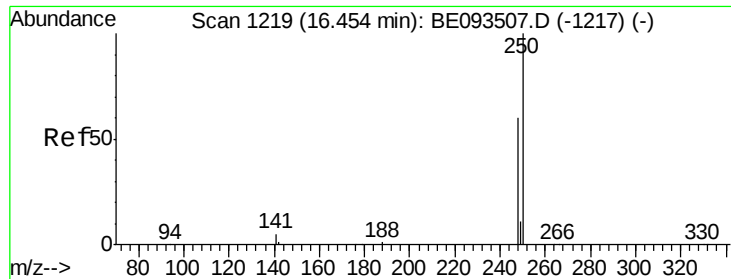


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

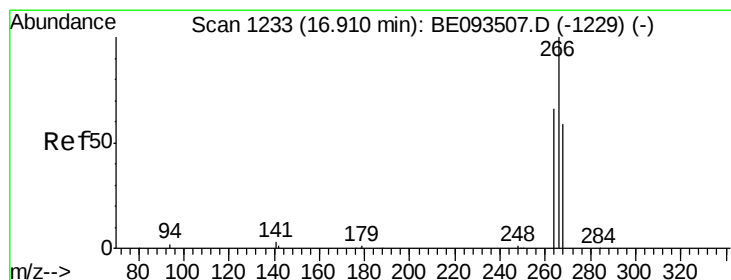
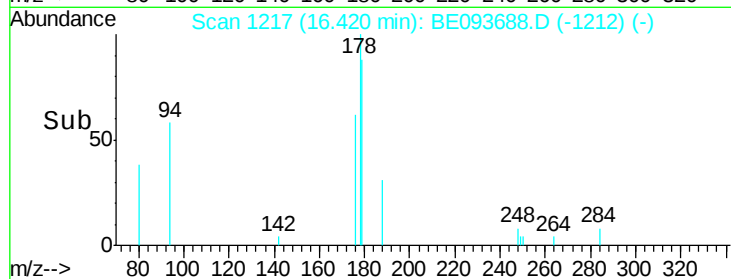
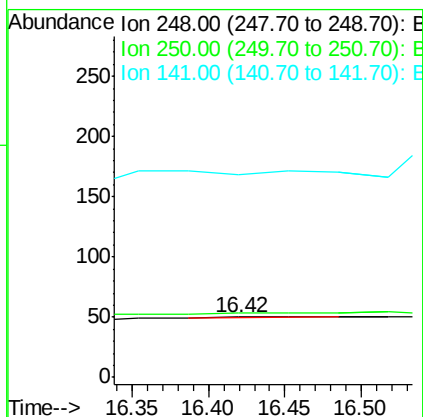
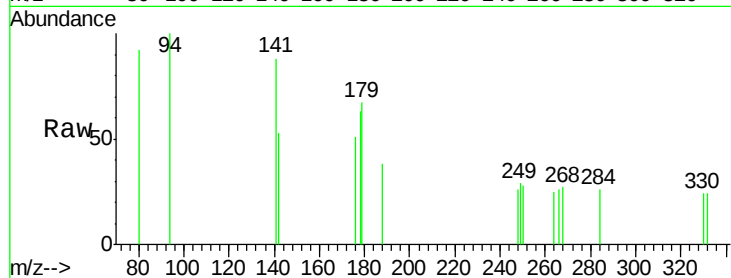




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.42 min Scan# 1217
Delta R.T. -0.03 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

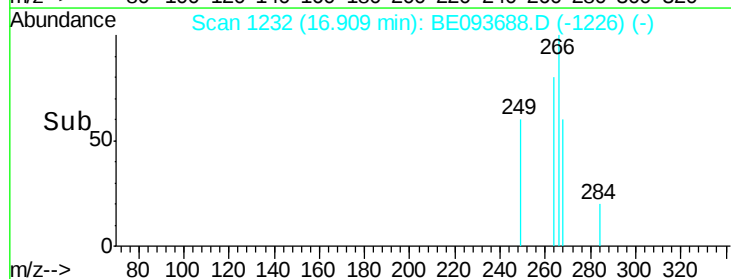
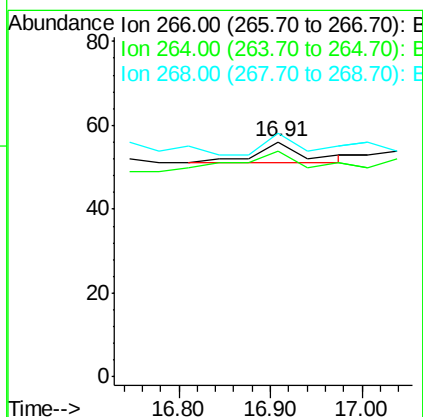
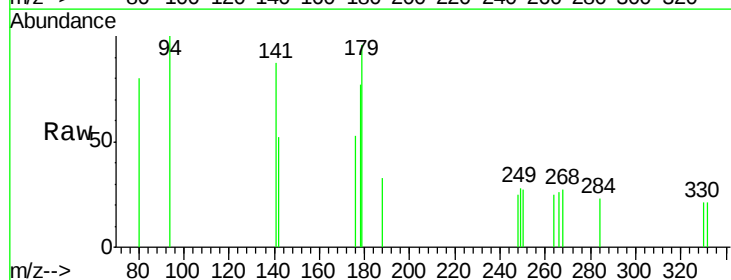
Instrument :
BNA_E
ClientSampleId :
LASB-17B-1

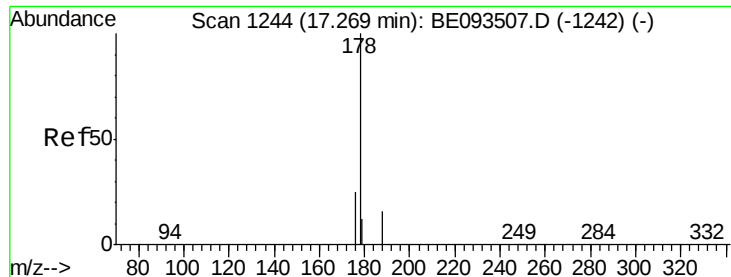
Tgt Ion:248 Resp: 4
Ion Ratio Lower Upper
248 100
250 108.0 128.0 192.0#
141 336.0 12.0 18.0#



#22
Pentachlorophenol
Concen: 0.155 ng
RT: 16.91 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
264 96.4 56.0 84.0#
268 103.6 52.0 78.0#





#23

Phenanthrene

Concen: 0.425 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

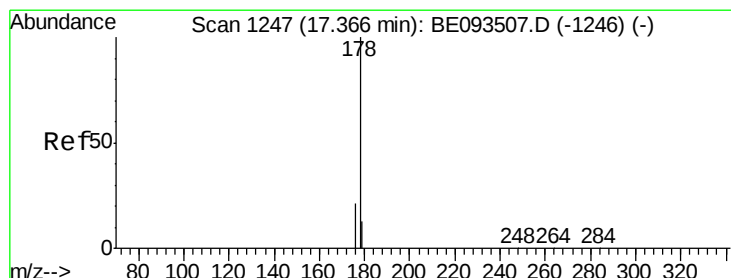
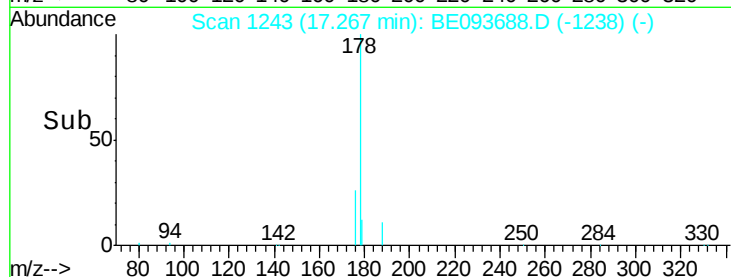
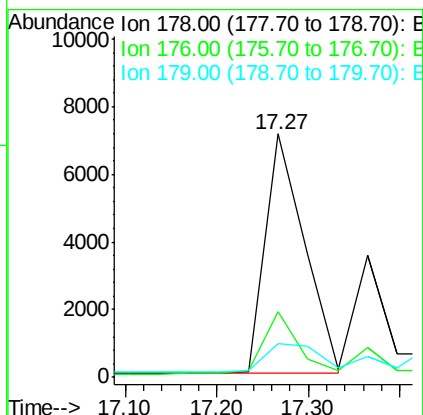
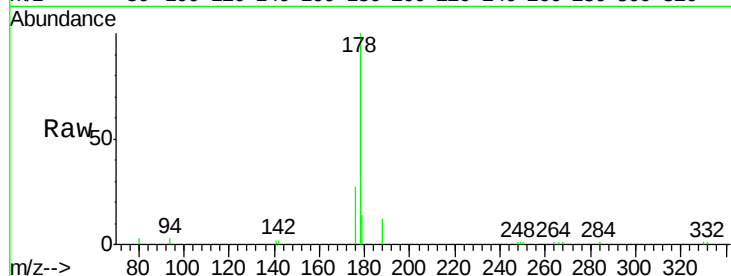
Tgt Ion:178 Resp: 21003

Ion Ratio Lower Upper

178 100

176 23.0 15.0 22.4#

179 16.8 12.7 19.1



#24

Anthracene

Concen: 0.308 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.10 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

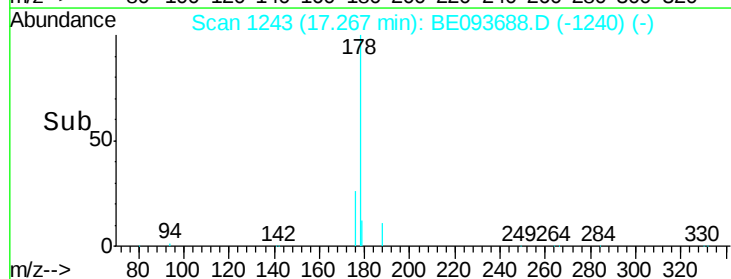
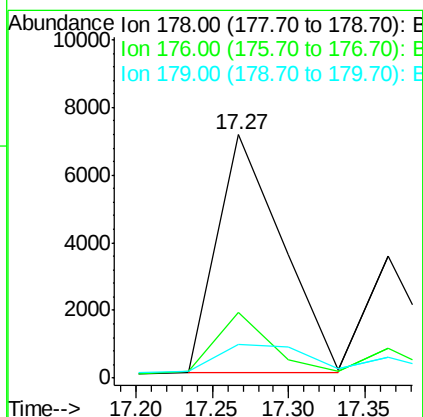
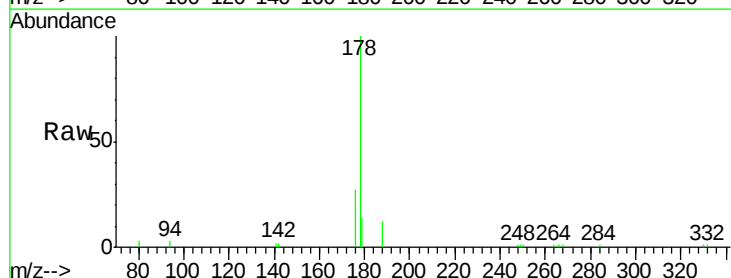
Tgt Ion:178 Resp: 20812

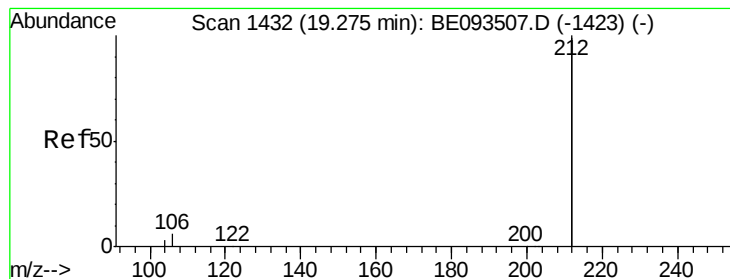
Ion Ratio Lower Upper

178 100

176 20.1 14.6 22.0

179 19.6 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.173 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

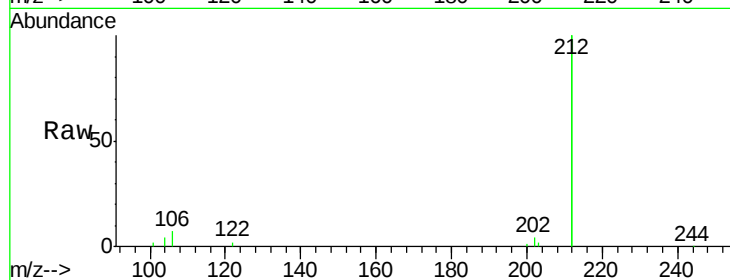
Tgt Ion:212 Resp: 44225

Ion Ratio Lower Upper

212 100

106 3.7 2.4 3.6#

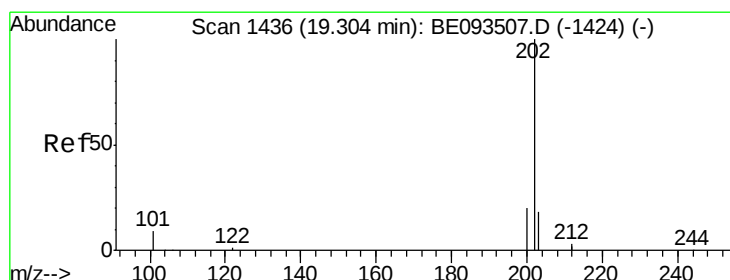
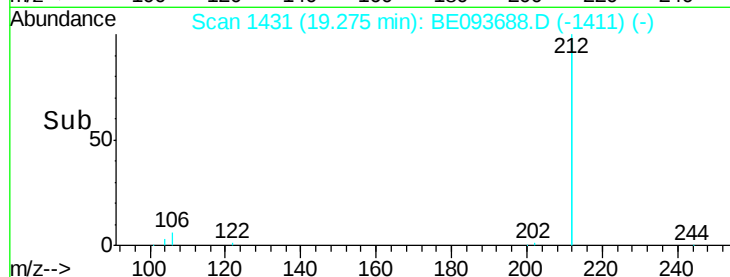
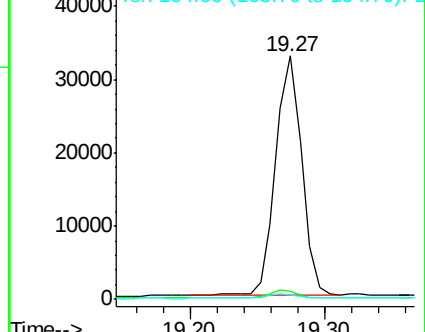
104 2.2 1.6 2.4



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: 1.148 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

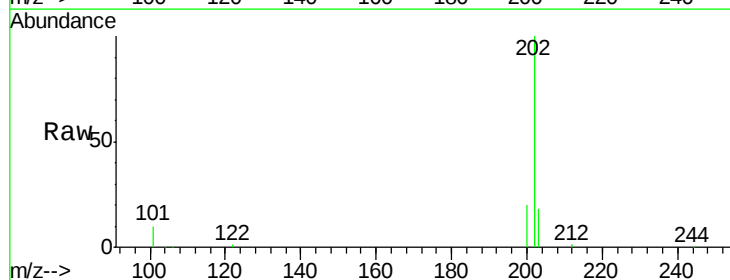
Tgt Ion:202 Resp: 90425

Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

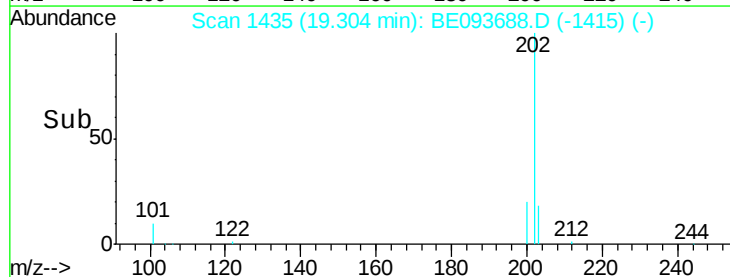
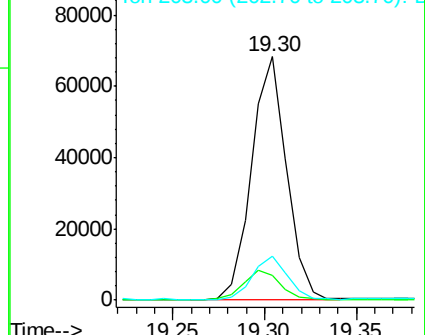
203 17.7 14.4 21.6

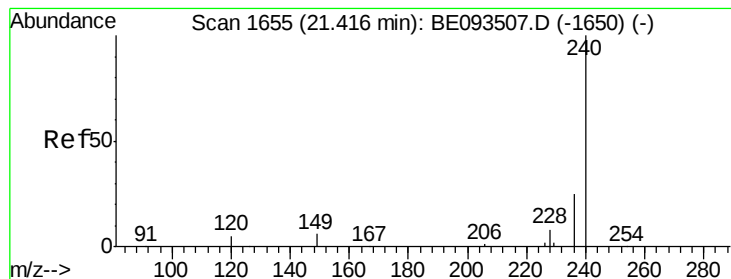


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

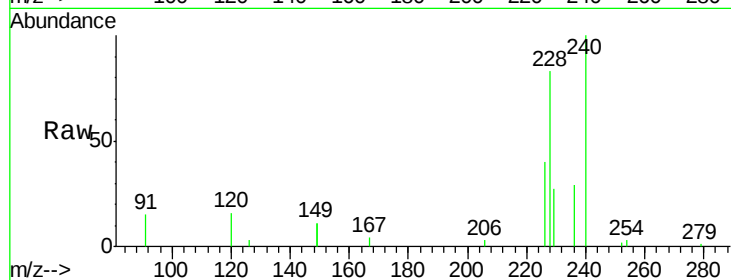
Tgt Ion:240 Resp: 24860

Ion Ratio Lower Upper

240 100

120 16.0 4.6 7.0#

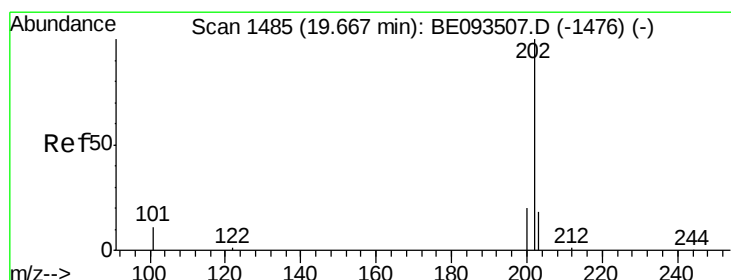
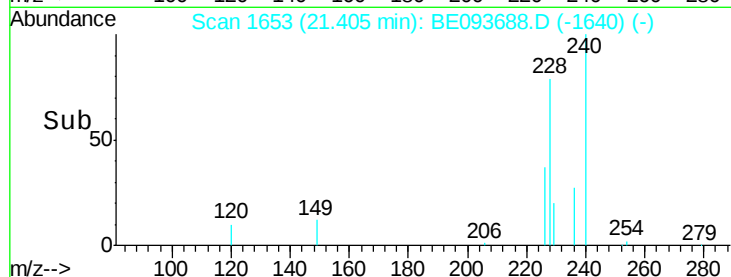
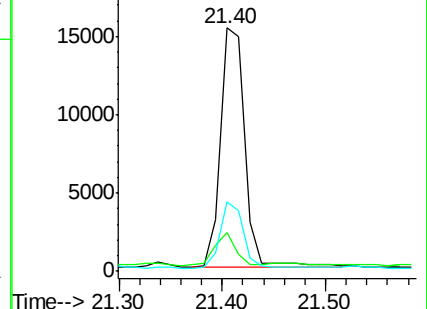
236 28.6 20.8 31.2



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: 1.069 ng

RT: 19.66 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

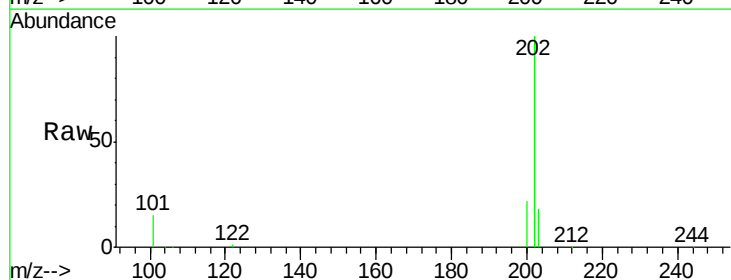
Tgt Ion:202 Resp: 85865

Ion Ratio Lower Upper

202 100

200 20.9 0.0 0.0#

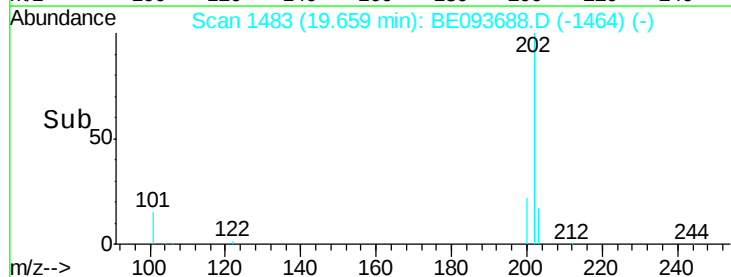
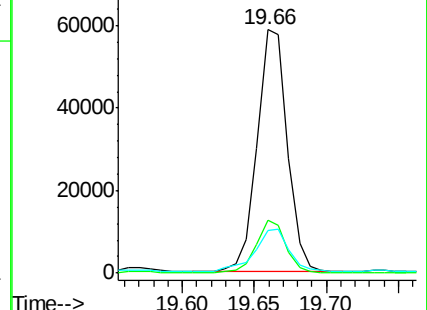
203 20.1 13.7 20.5

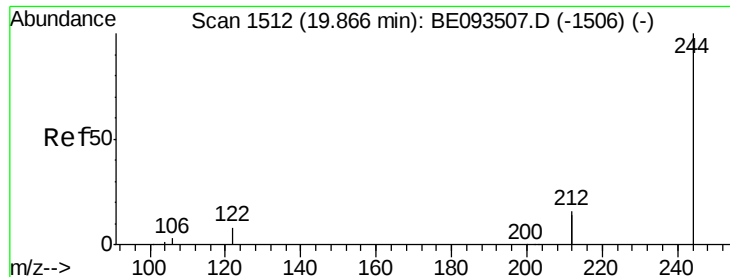


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.158 ng

RT: 19.86 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

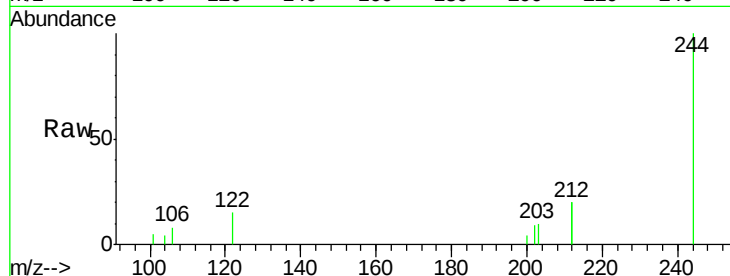
Tgt Ion:244 Resp: 7076

Ion Ratio Lower Upper

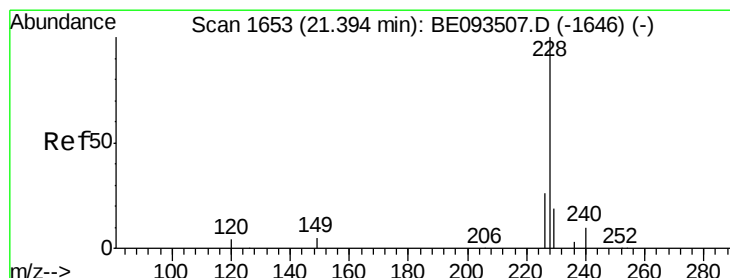
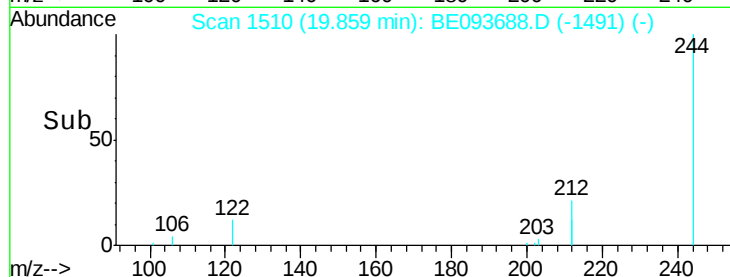
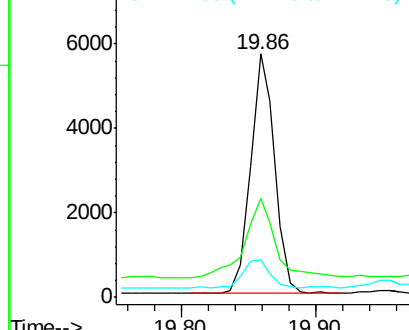
244 100

212 40.7 10.6 16.0#

122 15.4 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: 0.667 ng

RT: 21.39 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

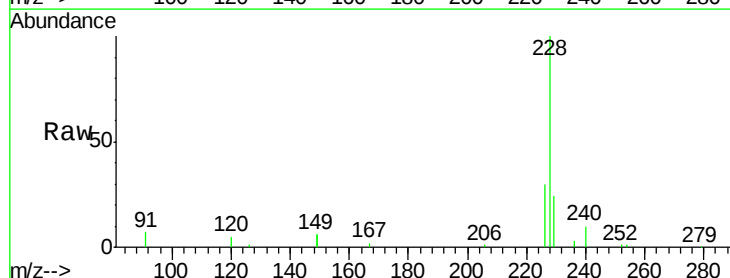
Tgt Ion:228 Resp: 48726

Ion Ratio Lower Upper

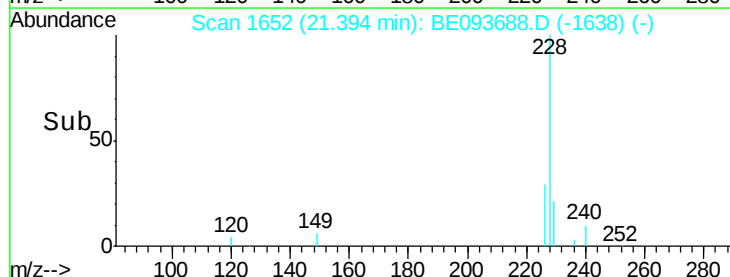
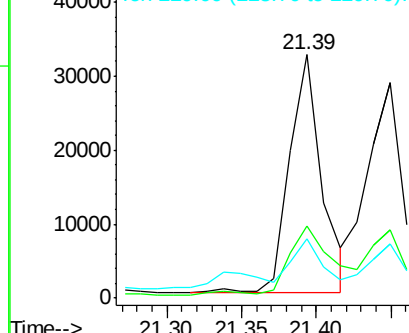
228 100

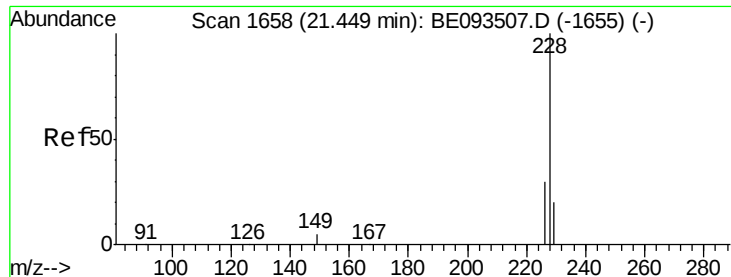
226 29.7 19.7 29.5#

229 24.5 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: 0.571 ng

RT: 21.45 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

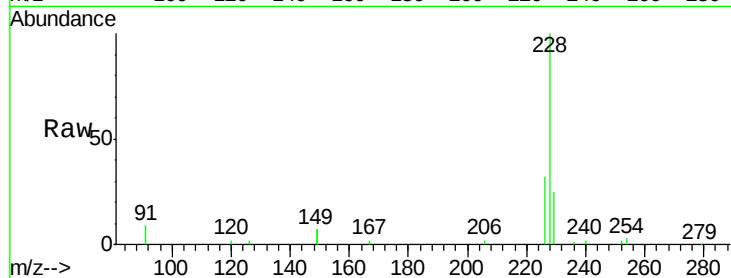
Tgt Ion:228 Resp: 46559

Ion Ratio Lower Upper

228 100

226 31.9 21.5 32.3

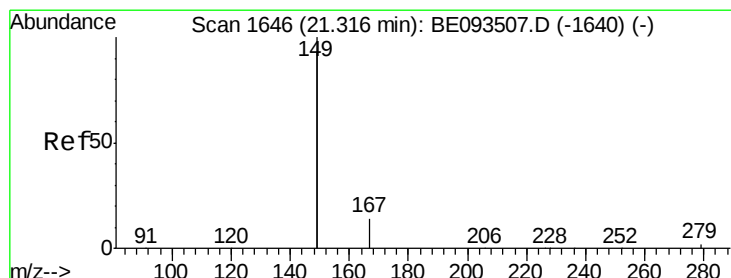
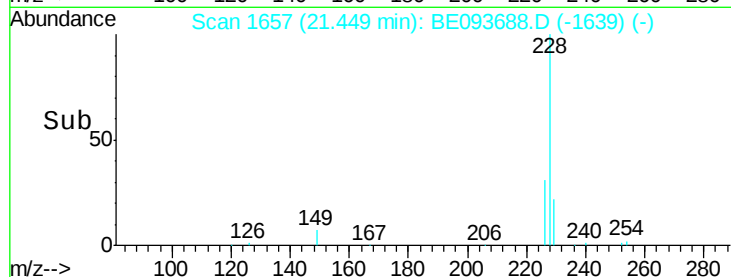
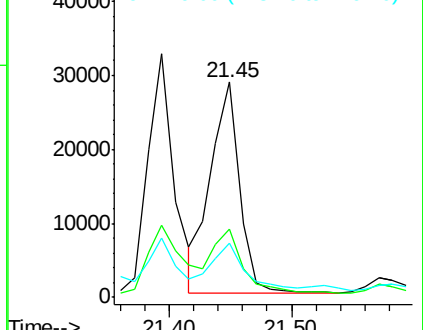
229 25.3 18.6 28.0



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: 0.684 ng

RT: 21.27 min Scan# 1641

Delta R.T. -0.04 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

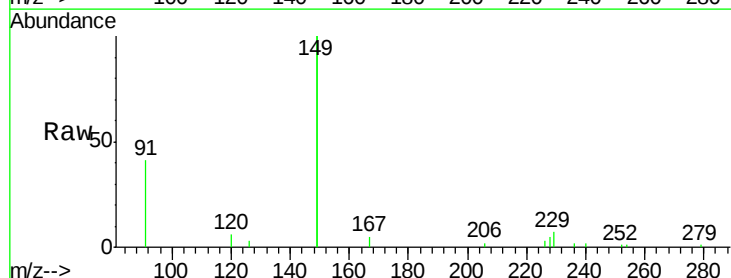
Tgt Ion:149 Resp: 68178

Ion Ratio Lower Upper

149 100

167 0.8 4.8 7.2#

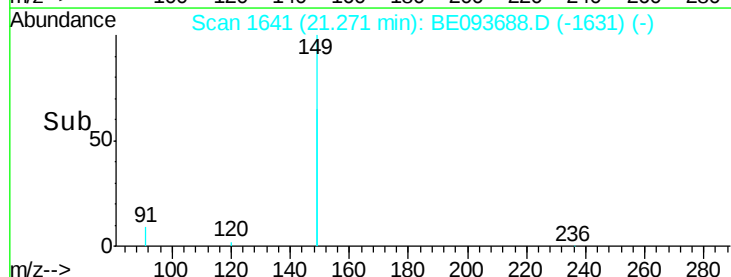
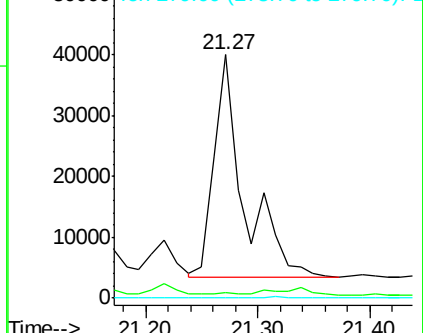
279 0.0 0.8 1.2#

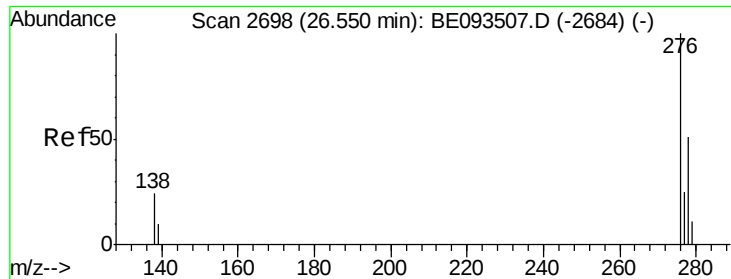


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

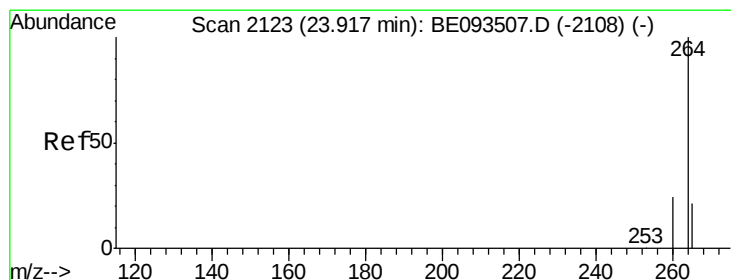
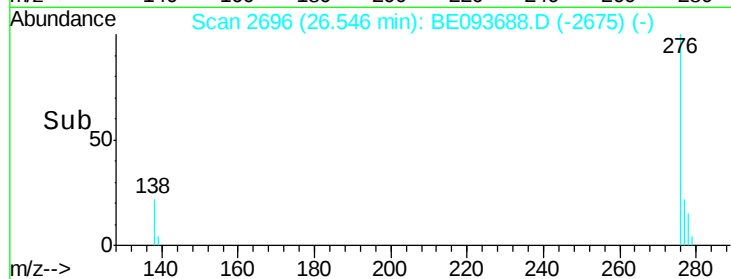
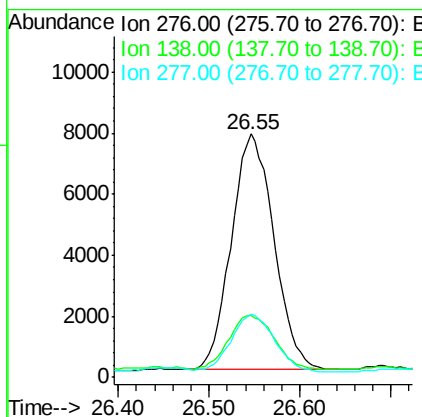
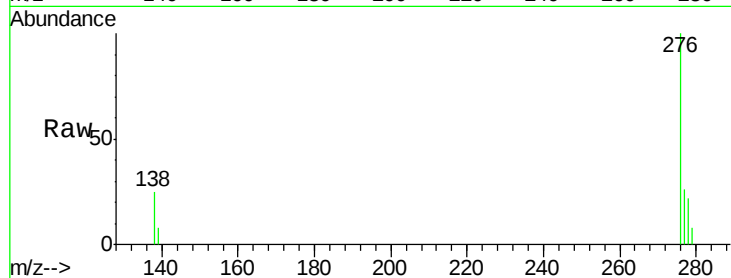




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.341 ng
 RT: 26.55 min Scan# 2696
 Delta R.T. -0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

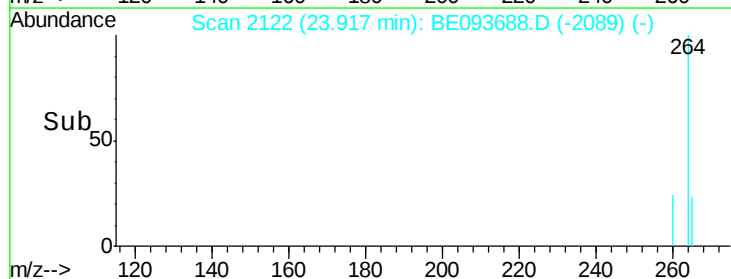
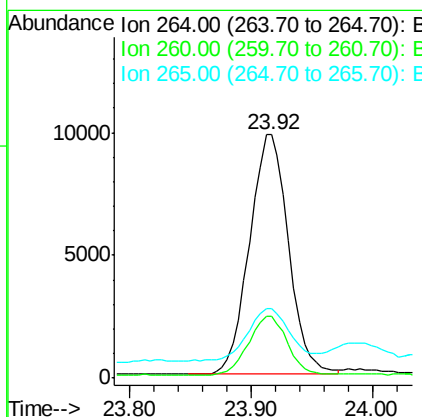
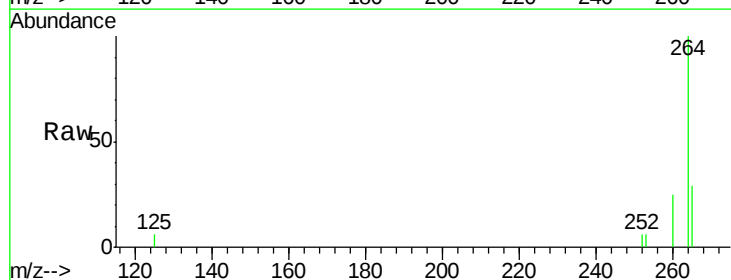
Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

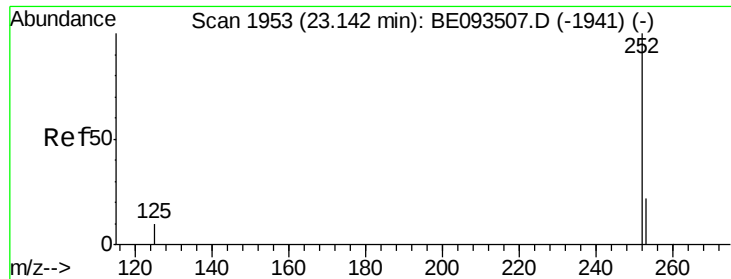
Tgt Ion: 276 Resp: 25153
 Ion Ratio Lower Upper
 276 100
 138 24.4 27.4 41.2#
 277 25.3 20.1 30.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.92 min Scan# 2122
 Delta R.T. 0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Tgt Ion: 264 Resp: 21779
 Ion Ratio Lower Upper
 264 100
 260 25.3 21.0 31.4
 265 28.6 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.739 ng

RT: 23.15 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

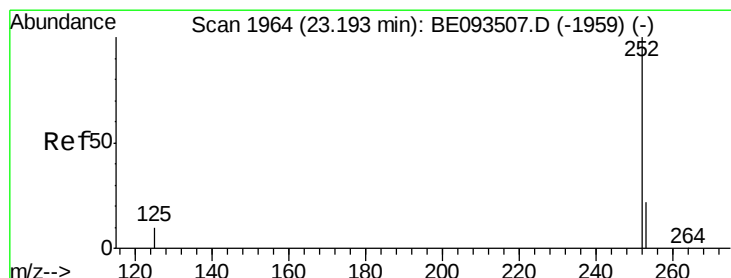
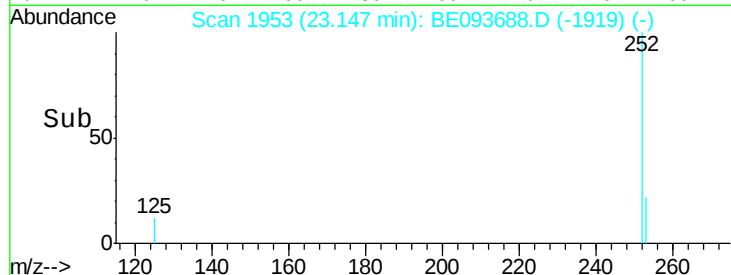
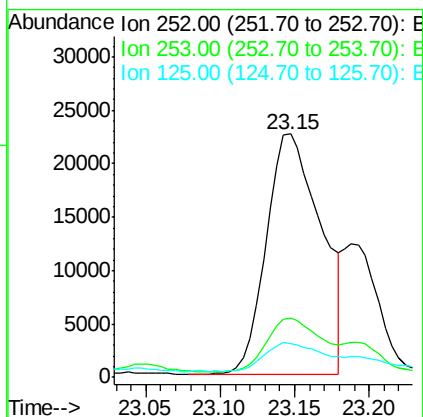
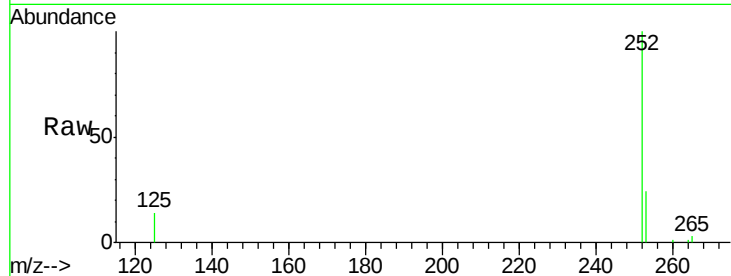
Tgt Ion:252 Resp: 57416

Ion Ratio Lower Upper

252 100

253 24.2 18.5 27.7

125 13.7 13.4 20.0



#36

Benzo(k)fluoranthene

Concen: 0.723 ng

RT: 23.15 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

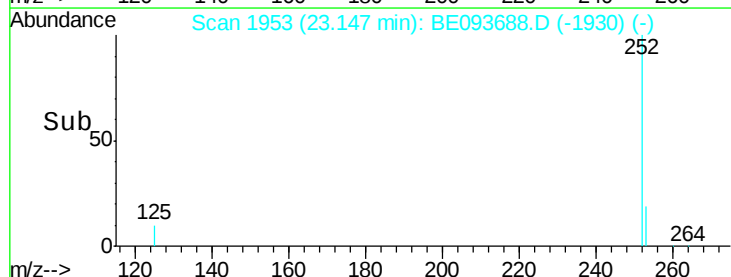
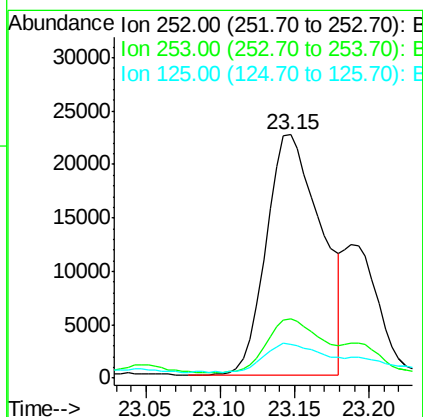
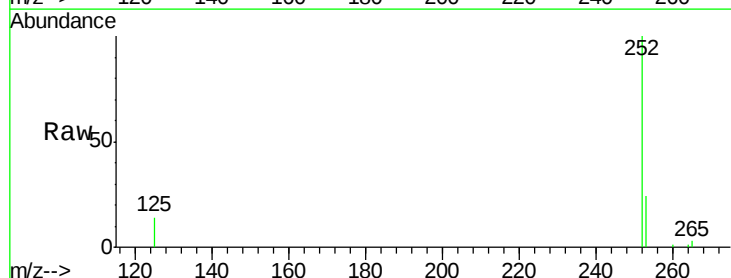
Tgt Ion:252 Resp: 57416

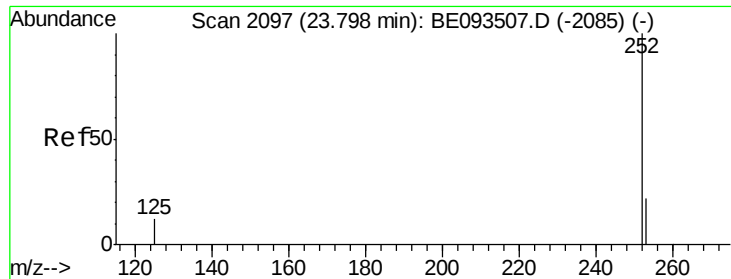
Ion Ratio Lower Upper

252 100

253 24.2 20.3 30.5

125 13.7 12.2 18.4





#37

Benzo(a)pyrene

Concen: 0.435 ng

RT: 23.69 min Scan# 2072

Delta R.T. -0.11 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1

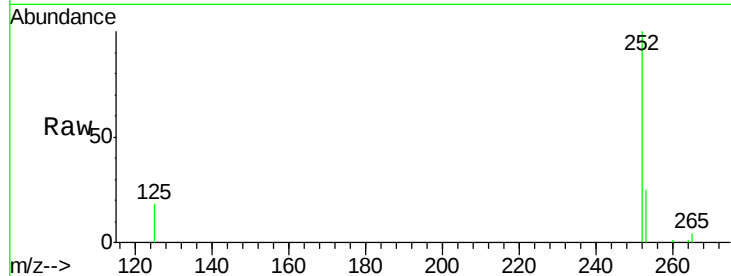
Tgt Ion:252 Resp: 30597

Ion Ratio Lower Upper

252 100

253 24.8 19.9 29.9

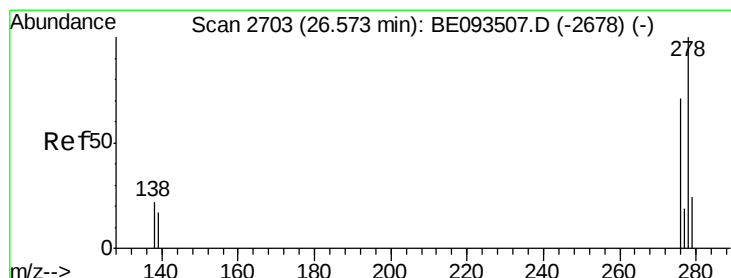
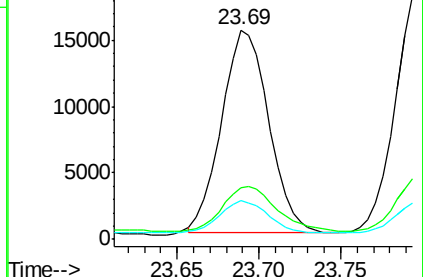
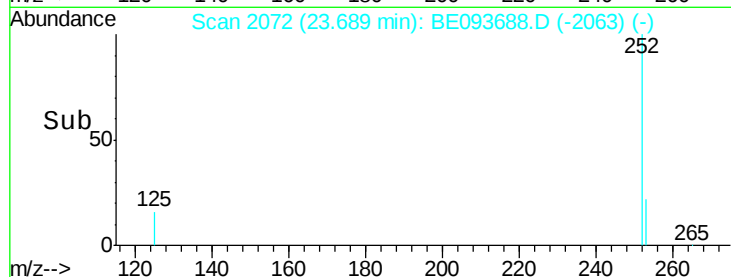
125 18.5 14.6 21.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.103 ng

RT: 26.57 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

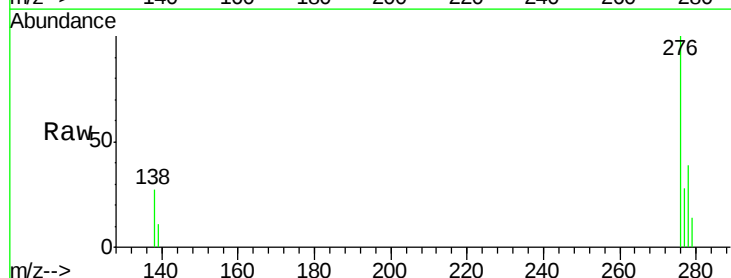
Tgt Ion:278 Resp: 7012

Ion Ratio Lower Upper

278 100

139 29.6 21.4 32.0

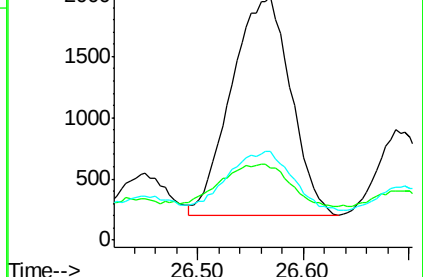
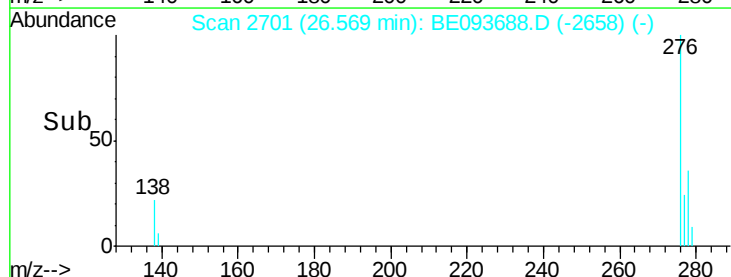
279 36.2 22.2 33.2#

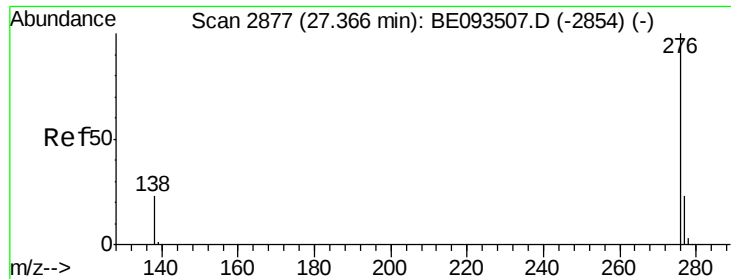


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.375 ng

RT: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE093688.D

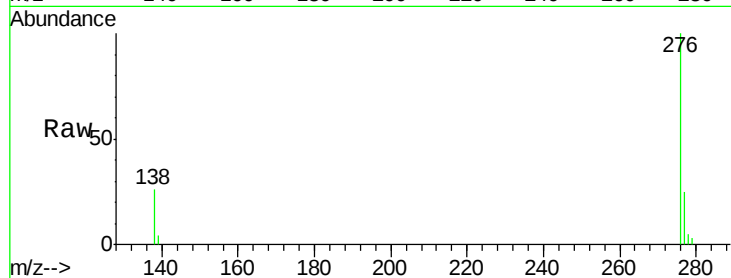
Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

ClientSampleId :

LASB-17B-1



Tgt Ion: 276 Resp: 25848

Ion Ratio Lower Upper

276 100

277 25.4 21.2 31.8

138 26.4 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

