

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093687.D
 Acq On : 5 Aug 2017 22:36
 Operator : SJ/JU
 Sample : I4427-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-18-1

Quant Time: Aug 06 02:46:40 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	3096	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	15629	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	8855	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	22637	0.40	ng	0.00
27) Chrysene-d12	21.40	240	22761	0.40	ng	-0.01
34) Perylene-d12	23.91	264	20175	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	2422	0.26	ng	0.00
5) Phenol-d6	7.09	99	3809	0.27	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3058	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5611	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	524	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7805	0.22	ng	-0.01
25) Fluoranthene-d10	19.27	212	55368	0.22	ng	0.00
29) Terphenyl-d14	19.86	244	10638	0.26	ng	0.00

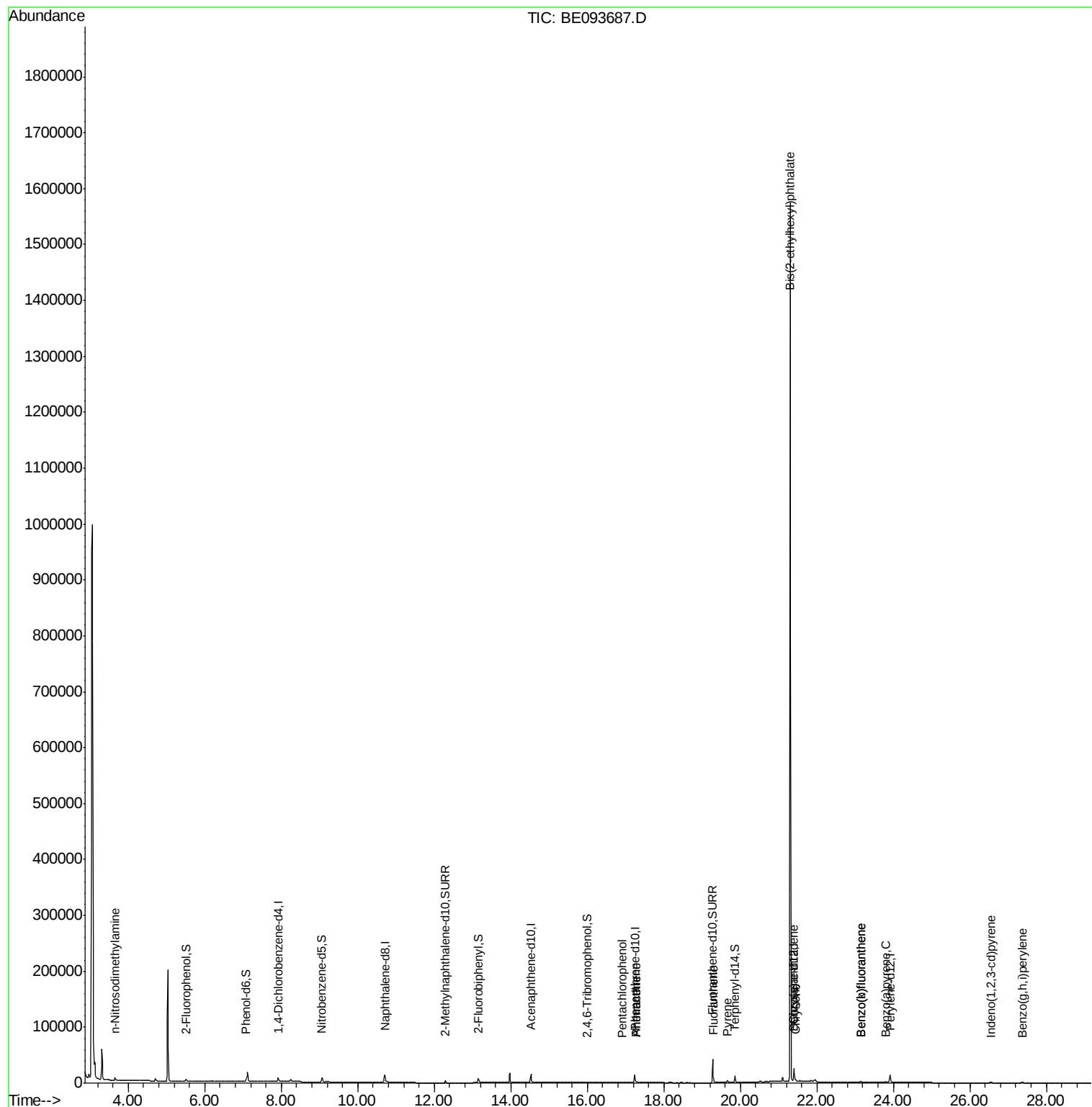
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.65	42	1282	0.273	ng	# 1
22) Pentachlorophenol	16.91	266	14	0.154	ng	# 62
23) Phenanthrene	17.27	178	1858	0.037	ng	96
24) Anthracene	17.27	178	1768	0.026	ng	96
26) Fluoranthene	19.30	202	4283	0.054	ng	# 95
28) Pyrene	19.66	202	4048	0.055	ng	# 88
30) Benzo(a)anthracene	21.39	228	2489	0.037	ng	# 85
31) Chrysene	21.45	228	2322	0.031	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.30	149	1714829	18.799	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	1649	0.024	ng	93
35) Benzo(b)fluoranthene	23.14	252	3259	0.045	ng	# 71
36) Benzo(k)fluoranthene	23.14	252	3259	0.044	ng	# 73
37) Benzo(a)pyrene	23.80	252	2222	0.034	ng	# 65
39) Benzo(g,h,i)perylene	27.37	276	1850	0.029	ng	# 83

(#) = 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: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

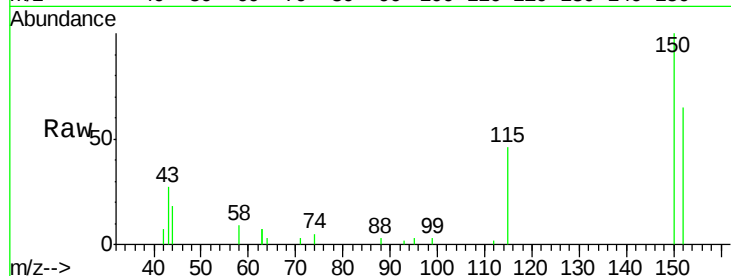
Tgt Ion:152 Resp: 3096

Ion Ratio Lower Upper

152 100

150 154.6 125.1 187.7

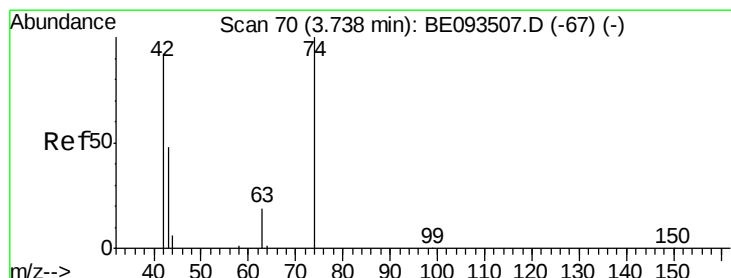
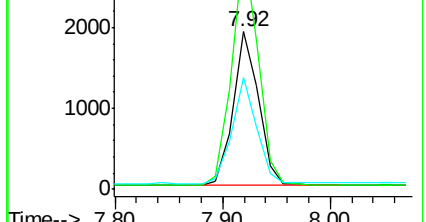
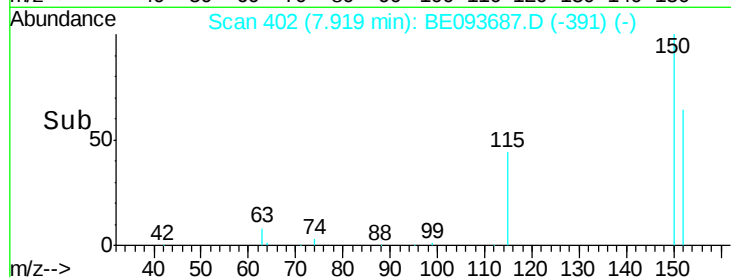
115 70.7 55.7 83.5



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: 0.273 ng

RT: 3.65 min Scan# 63

Delta R.T. -0.09 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

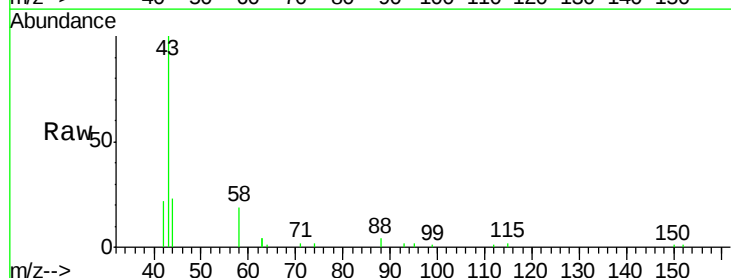
Tgt Ion: 42 Resp: 1282

Ion Ratio Lower Upper

42 100

74 2.0 99.1 148.7#

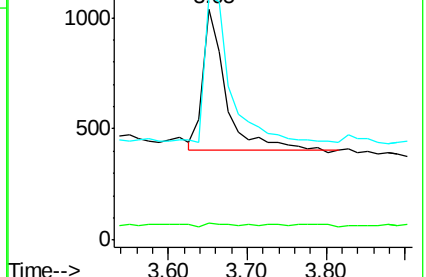
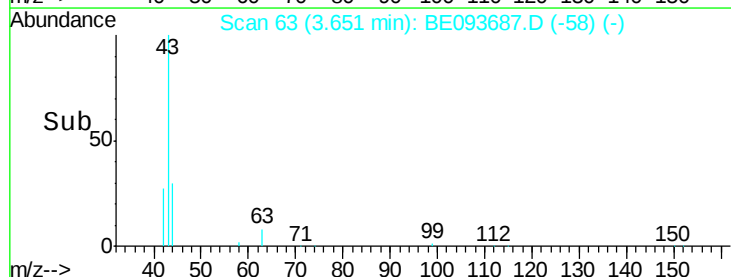
44 111.2 7.4 11.2#

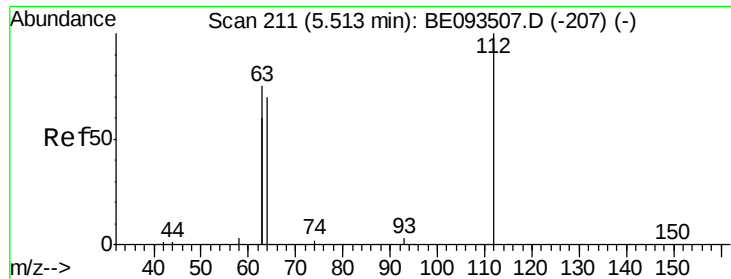


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.263 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

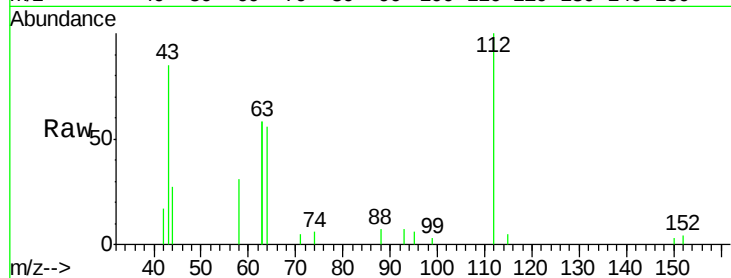
Tgt Ion: 112 Resp: 2422

Ion Ratio Lower Upper

112 100

64 68.8 56.4 84.6

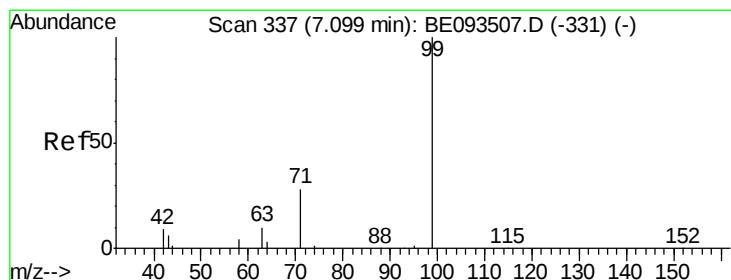
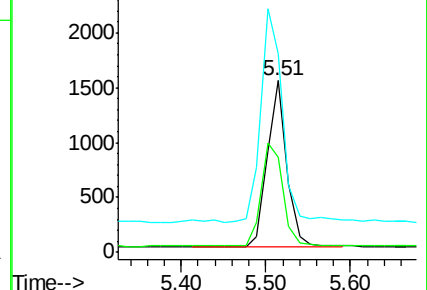
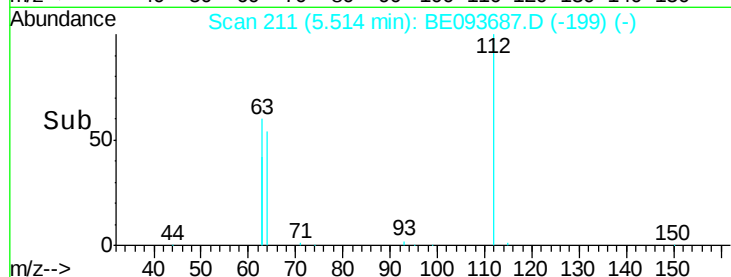
63 140.7 29.3 43.9#



Abundance Ion 112.00 (111.70 to 112.70): BE093507.D (-207) (-)

Ion 64.00 (63.70 to 64.70): BE093507.D (-207) (-)

Ion 63.00 (62.70 to 63.70): BE093507.D (-207) (-)



#5

Phenol-d6

Concen: 0.274 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

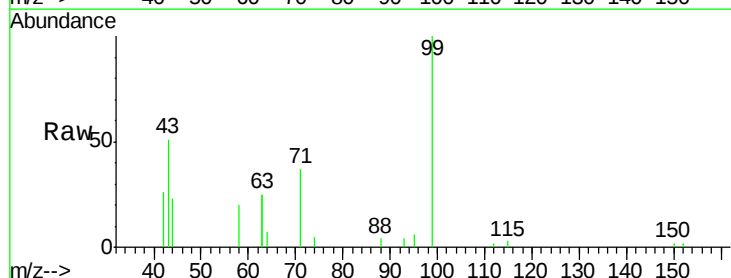
Tgt Ion: 99 Resp: 3809

Ion Ratio Lower Upper

99 100

42 35.4 0.0 0.0#

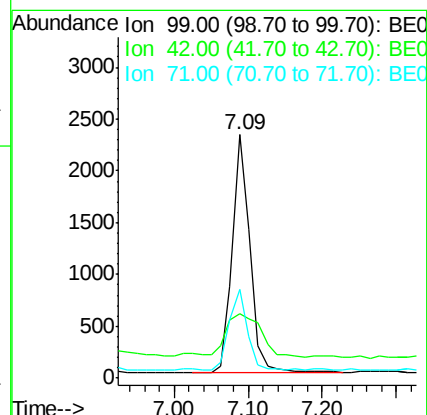
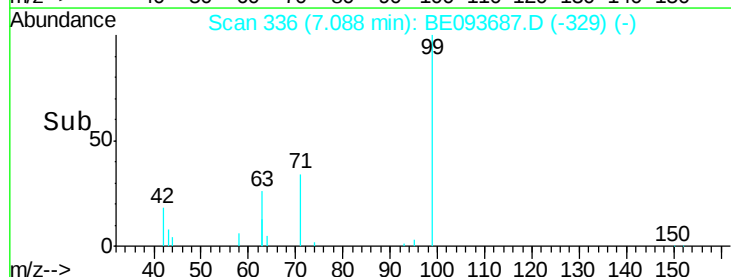
71 34.3 0.0 0.0#

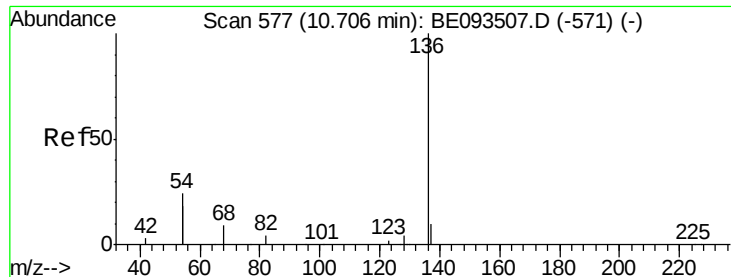


Abundance Ion 99.00 (98.70 to 99.70): BE093507.D (-331) (-)

Ion 42.00 (41.70 to 42.70): BE093507.D (-331) (-)

Ion 71.00 (70.70 to 71.70): BE093507.D (-331) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

Tgt Ion:136 Resp: 15629

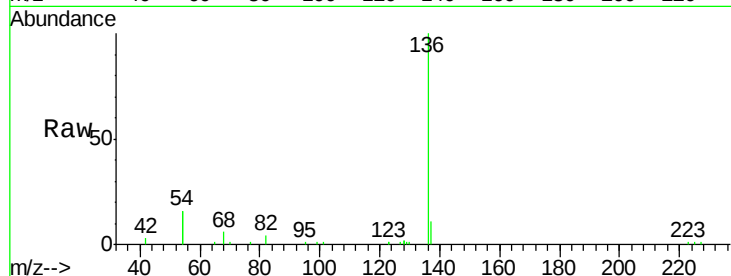
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 31.6 10.3 15.5#

68 6.5 9.0 13.4#

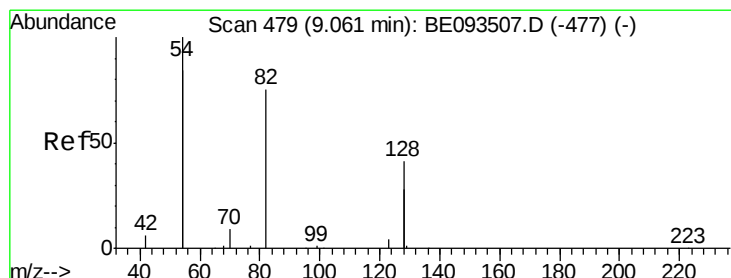
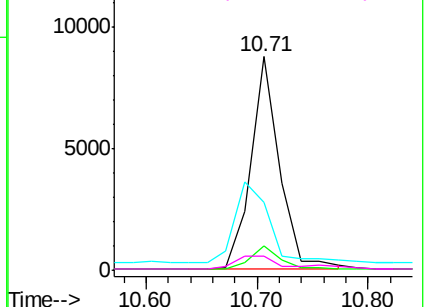
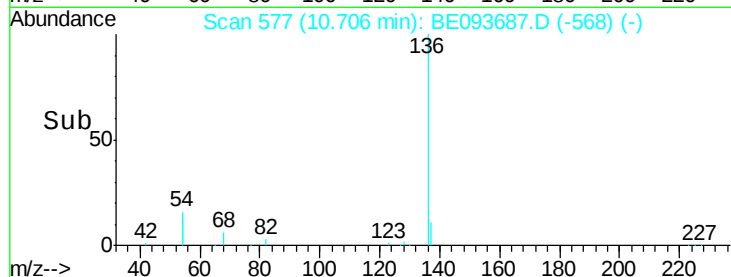


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.256 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

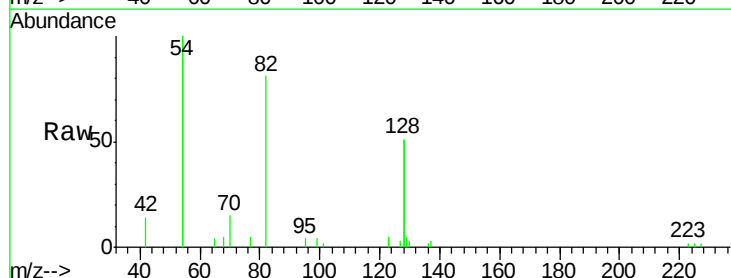
Tgt Ion: 82 Resp: 3058

Ion Ratio Lower Upper

82 100

128 125.6 17.0 25.4#

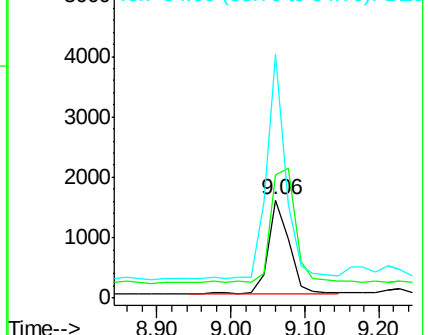
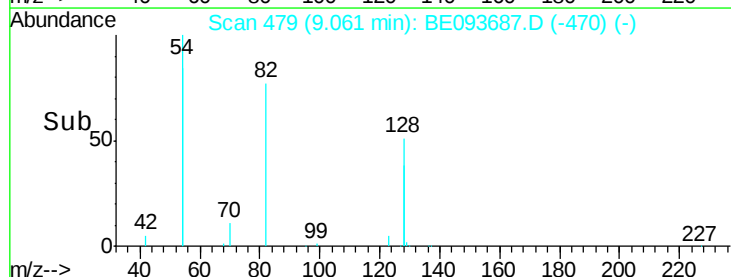
54 248.2 53.8 80.6#

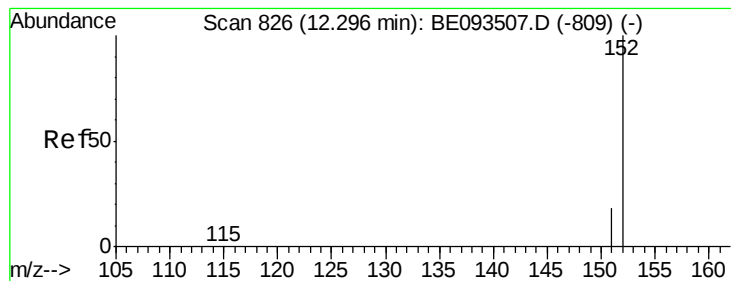


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.227 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

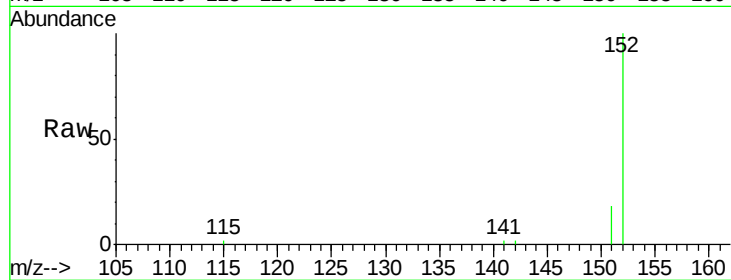
LASB-18-1

Tgt Ion:152 Resp: 5611

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

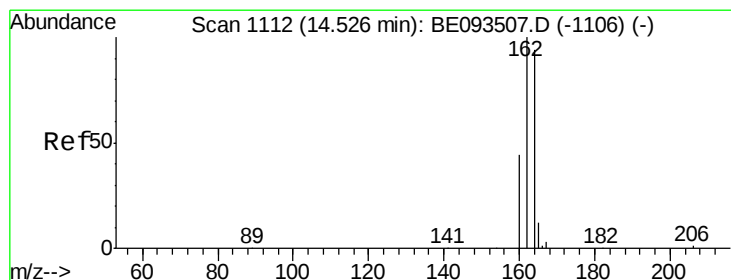
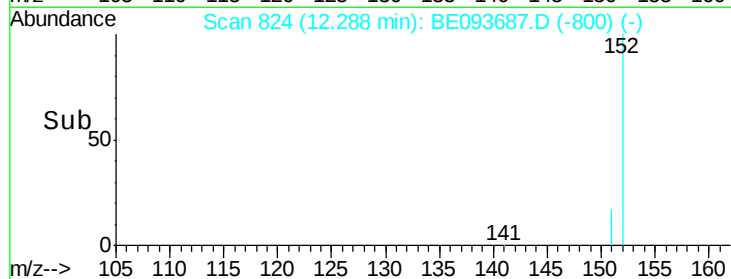
3000

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: BE093687.D

Acq: 5 Aug 2017 22:36

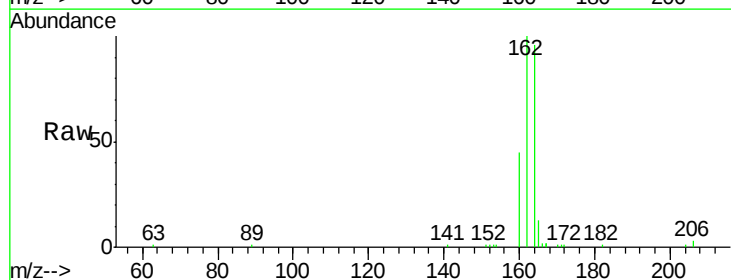
Tgt Ion:164 Resp: 8855

Ion Ratio Lower Upper

164 100

162 104.7 84.6 127.0

160 47.3 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

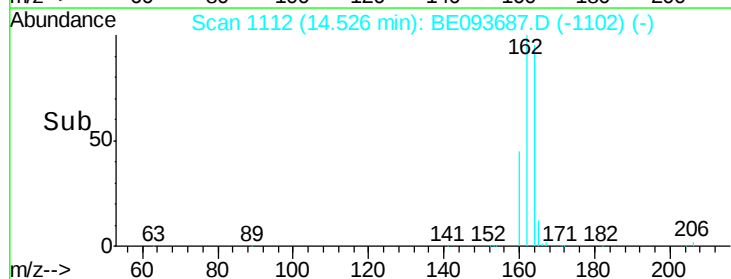
6000

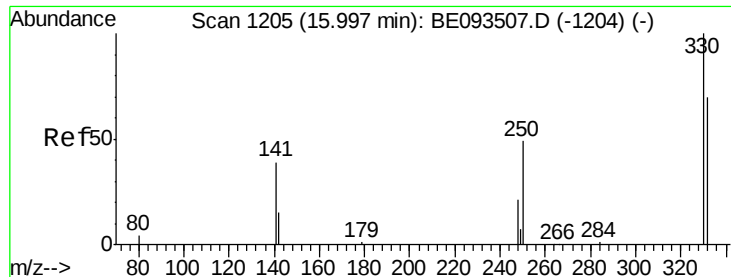
4000

2000

0

Time--> 14.40 14.50 14.60

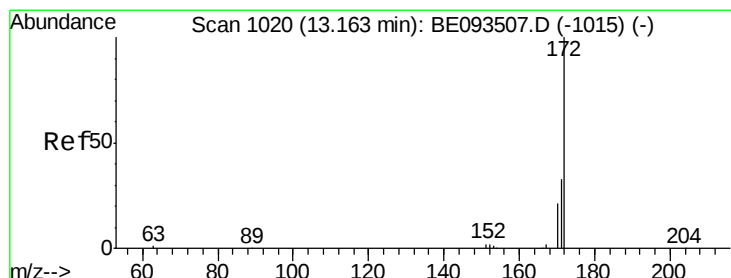
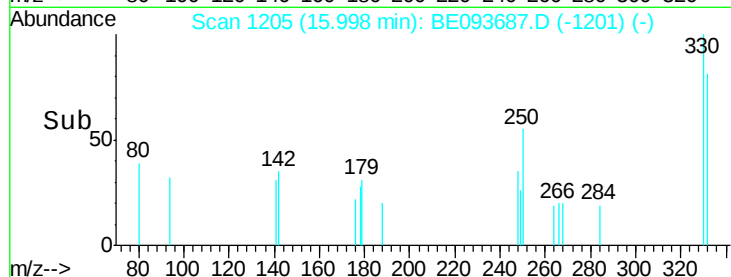
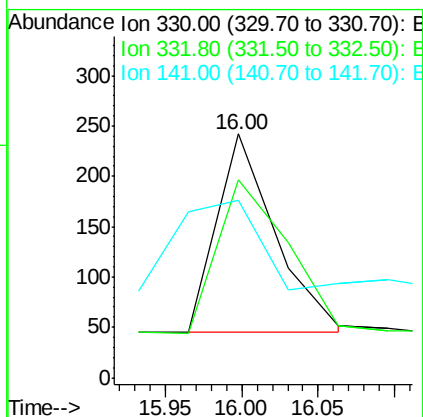
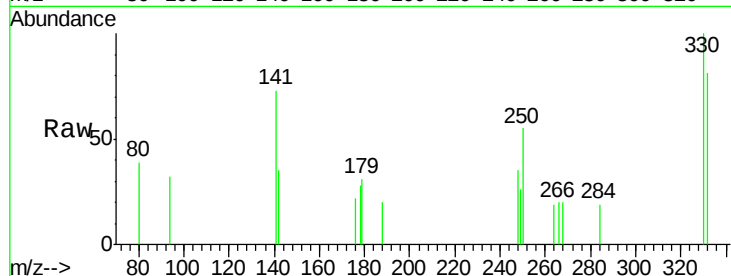




#14
 2,4,6-Tribromophenol
 Concen: 0.305 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE093687.D
 Acq: 5 Aug 2017 22:36

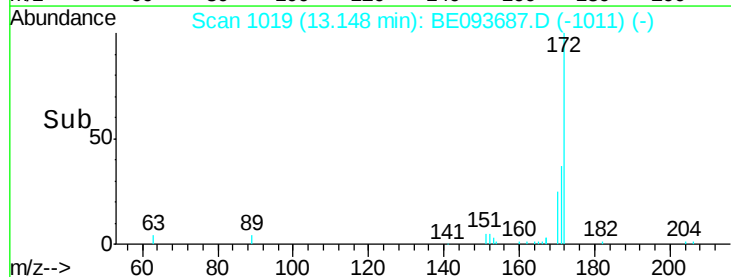
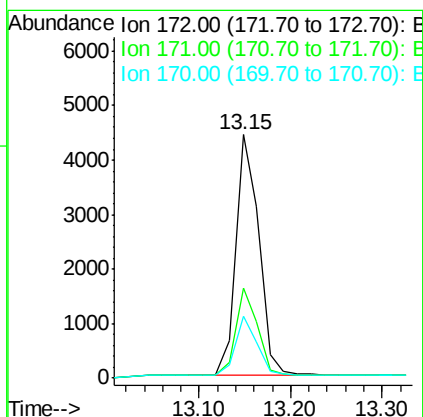
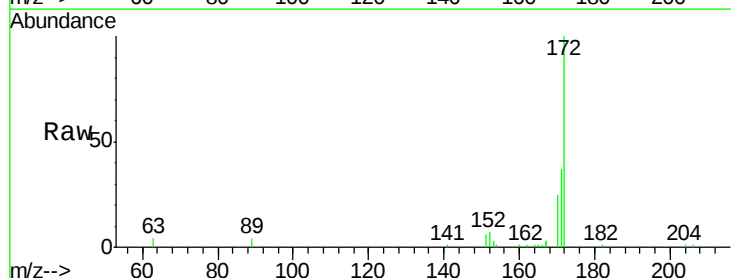
Instrument :
 BNA_E
 ClientSampled :
 LASB-18-1

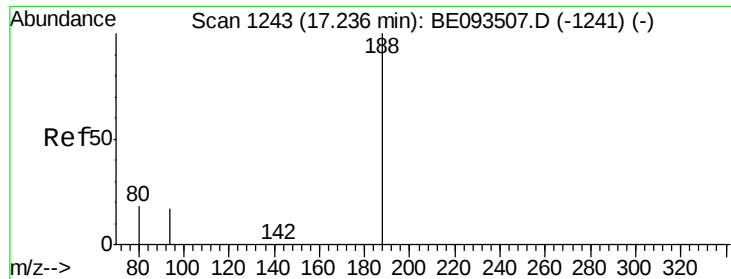
Tgt Ion: 330 Resp: 524
 Ion Ratio Lower Upper
 330 100
 332 93.3 77.7 116.5
 141 63.5 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.220 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BE093687.D
 Acq: 5 Aug 2017 22:36

Tgt Ion: 172 Resp: 7805
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.8 44.6
 170 25.3 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: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

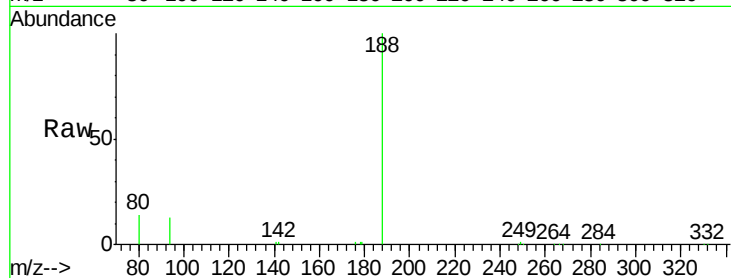
Tgt Ion:188 Resp: 22637

Ion Ratio Lower Upper

188 100

94 13.2 11.3 16.9

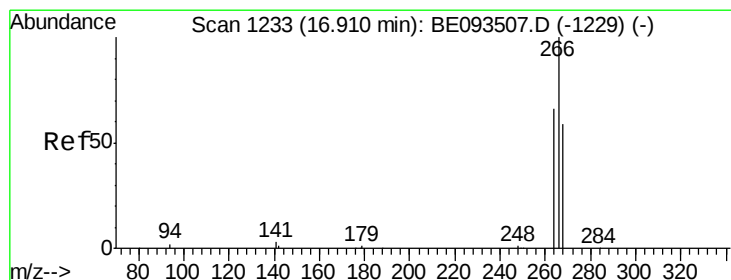
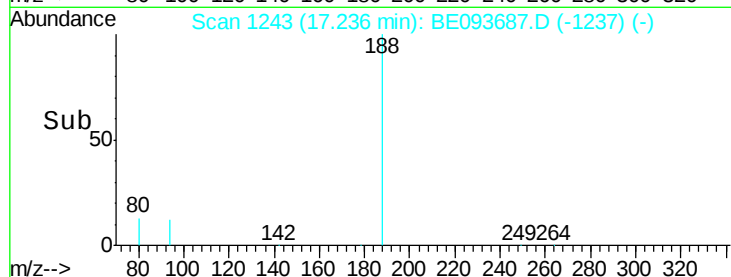
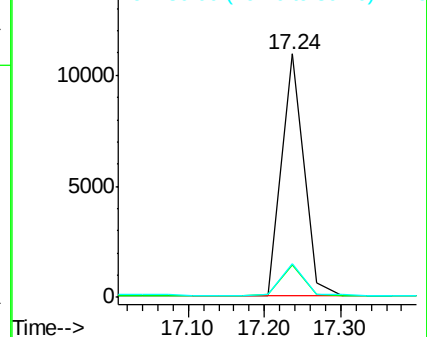
80 13.9 11.7 17.5



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



#22

Pentachlorophenol

Concen: 0.154 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

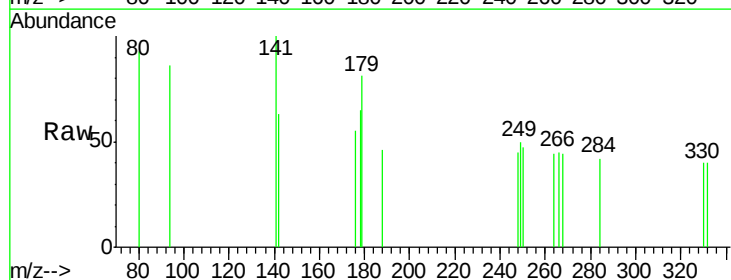
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 98.0 56.0 84.0#

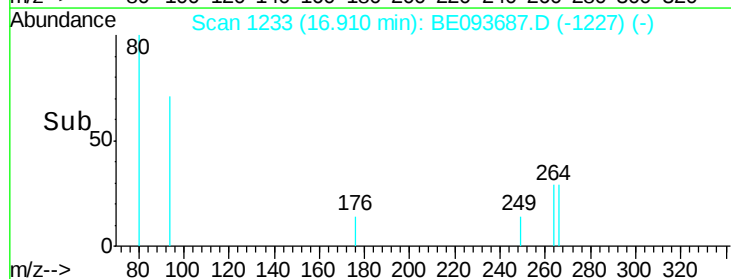
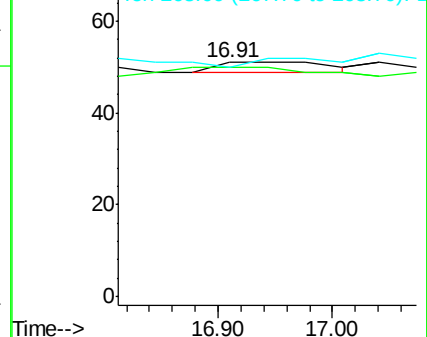
268 98.0 52.0 78.0#

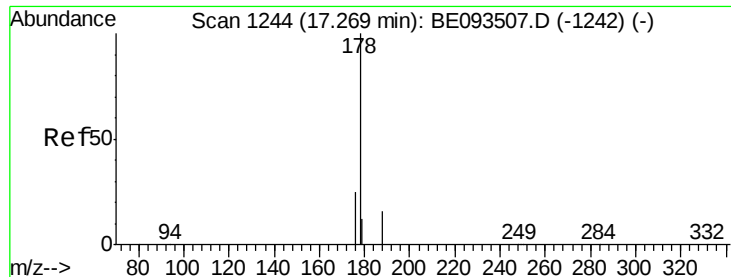


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.037 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

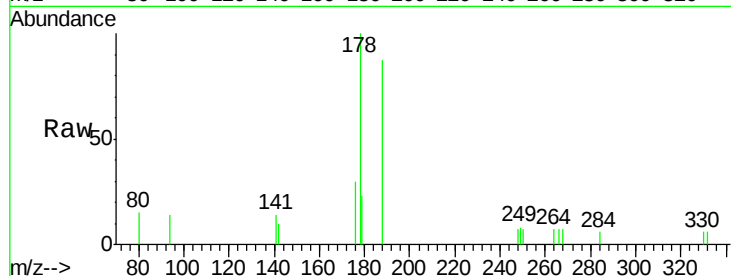
Tgt Ion:178 Resp: 1858

Ion Ratio Lower Upper

178 100

176 21.2 15.0 22.4

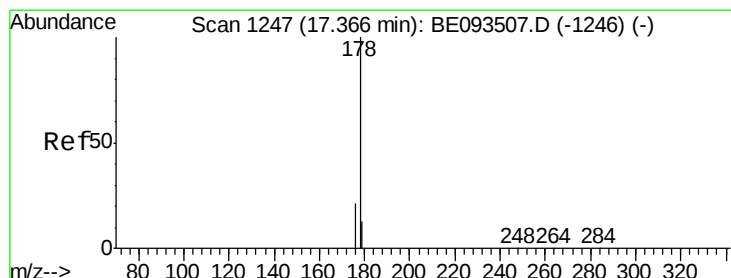
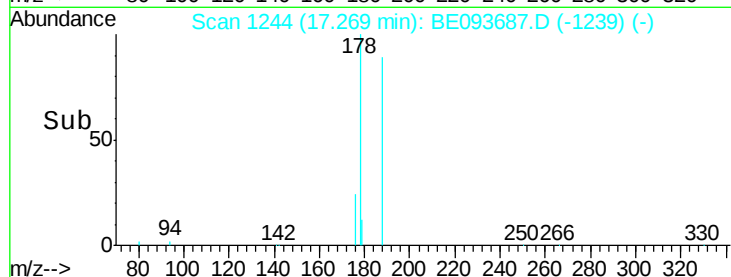
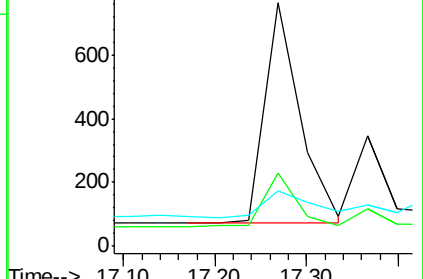
179 16.5 12.7 19.1



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: 0.026 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

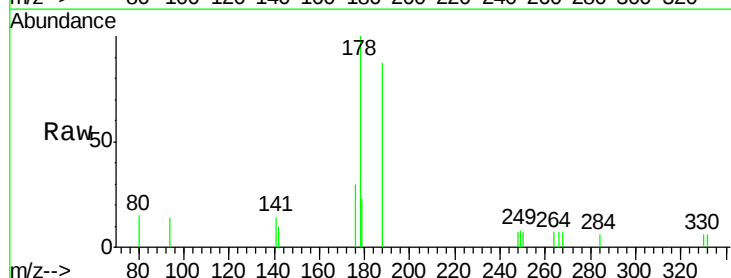
Tgt Ion:178 Resp: 1768

Ion Ratio Lower Upper

178 100

176 21.2 14.6 22.0

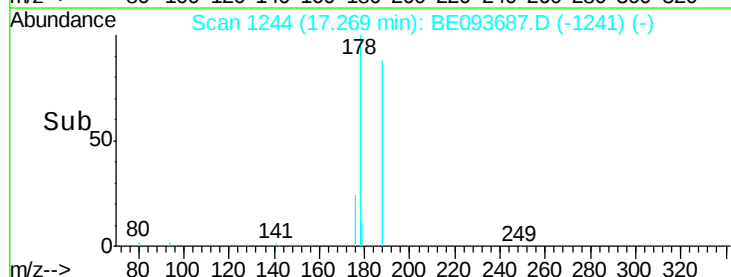
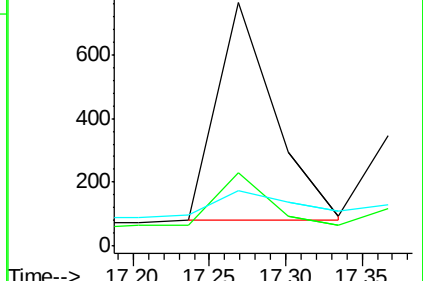
179 14.7 12.0 18.0

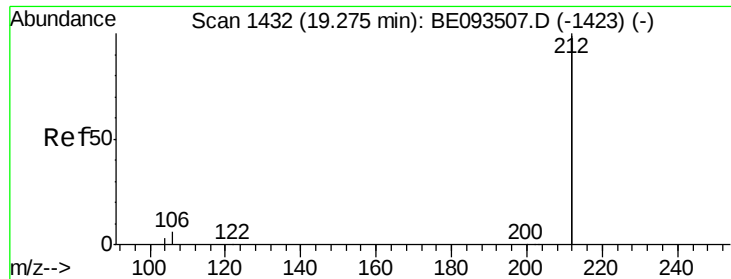


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.215 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampled :

LASB-18-1

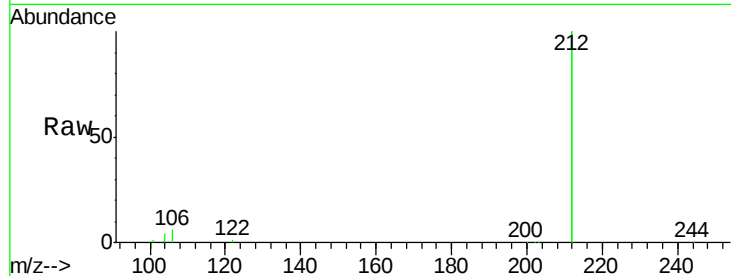
Tgt Ion:212 Resp: 55368

Ion Ratio Lower Upper

212 100

106 3.6 2.4 3.6

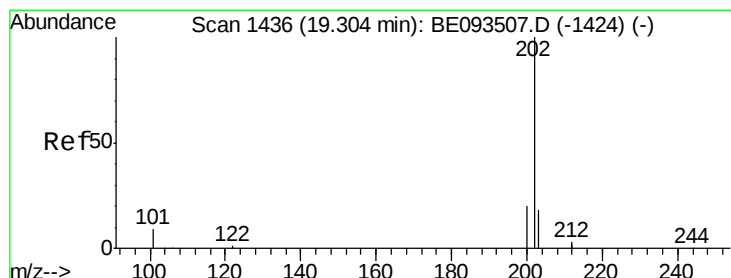
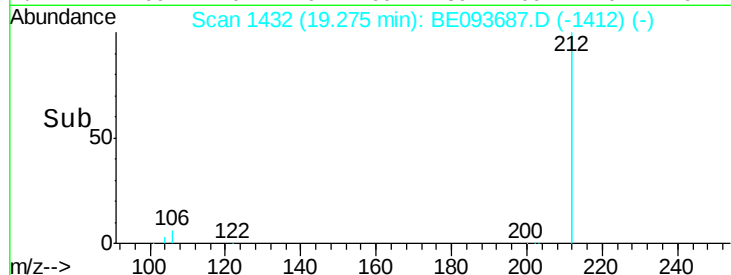
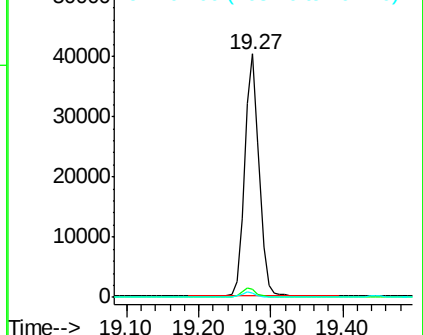
104 2.0 1.6 2.4



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: 0.054 ng

RT: 19.30 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

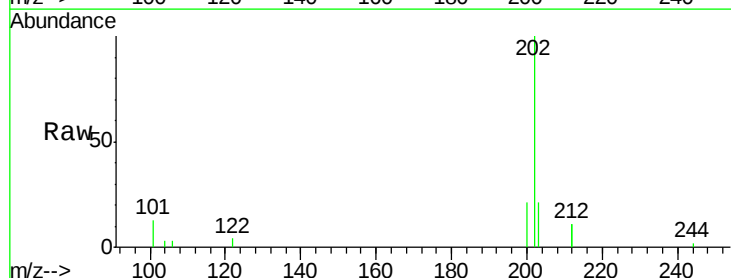
Tgt Ion:202 Resp: 4283

Ion Ratio Lower Upper

202 100

101 16.6 9.6 14.4#

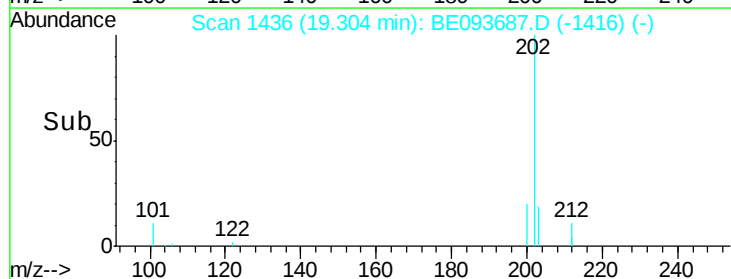
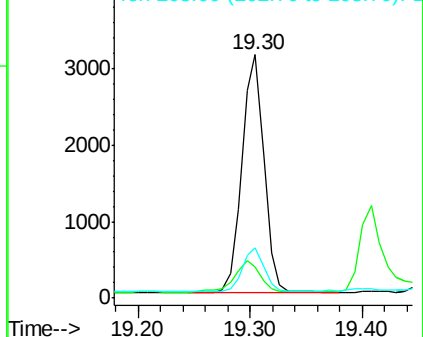
203 18.6 14.4 21.6

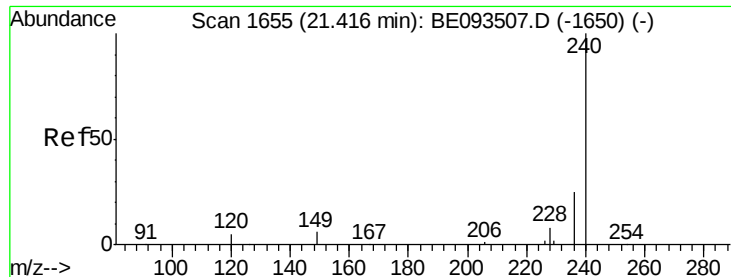


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1654

Delta R.T. -0.01 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

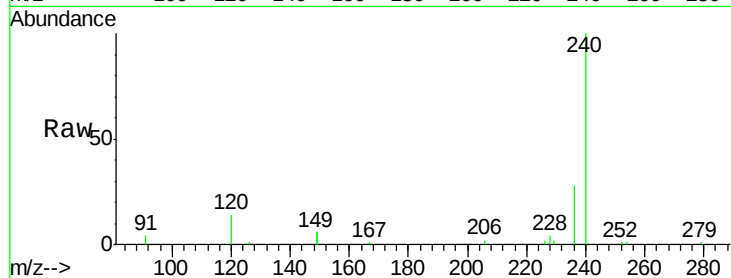
Tgt Ion:240 Resp: 22761

Ion Ratio Lower Upper

240 100

120 13.6 4.6 7.0#

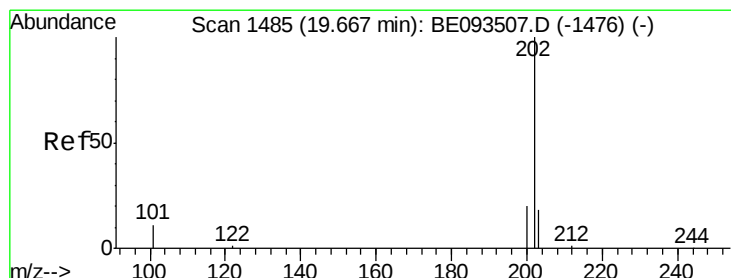
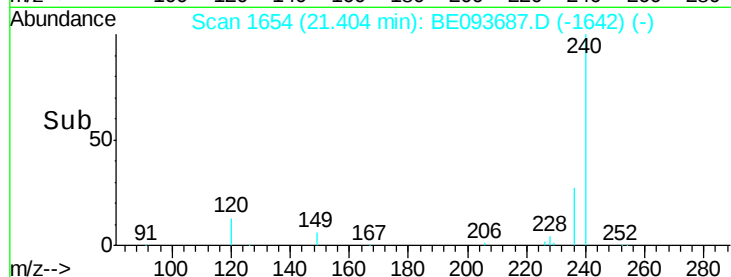
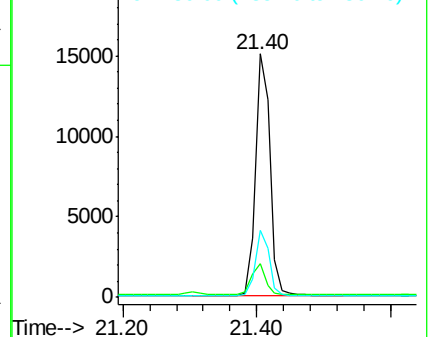
236 27.6 20.8 31.2



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: 0.055 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

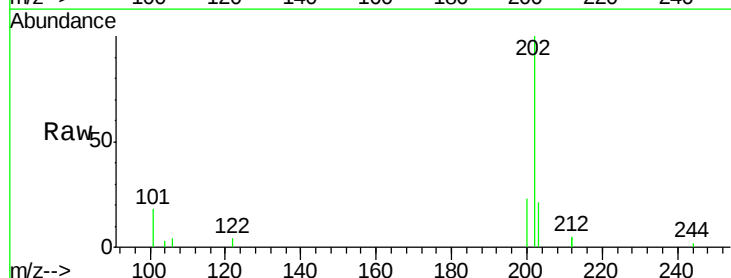
Tgt Ion:202 Resp: 4048

Ion Ratio Lower Upper

202 100

200 20.9 0.0 0.0#

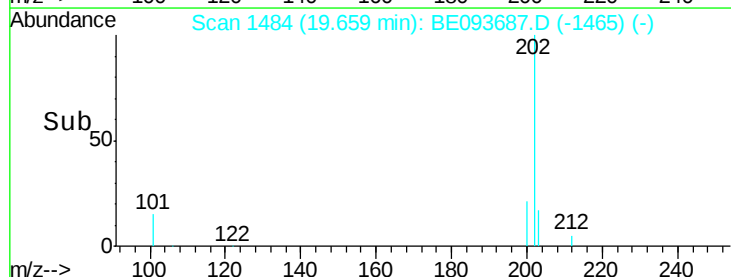
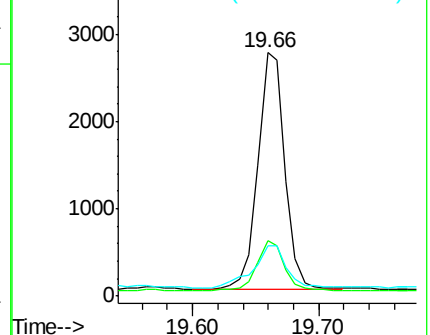
203 22.5 13.7 20.5#

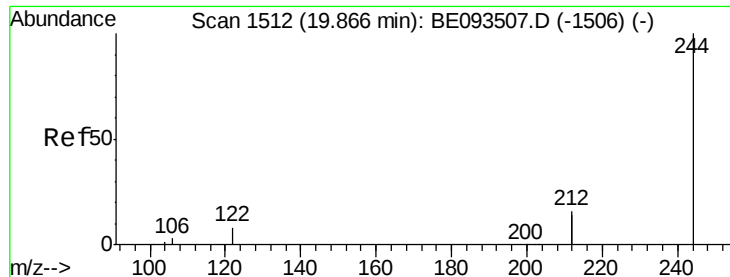


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

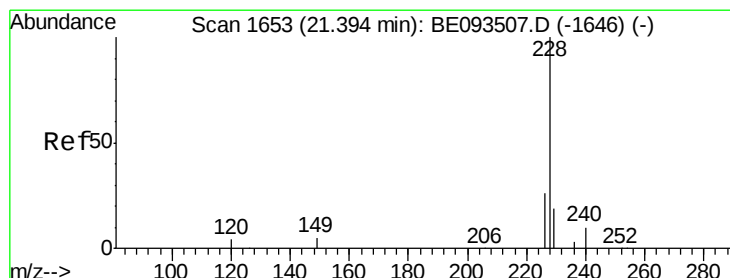
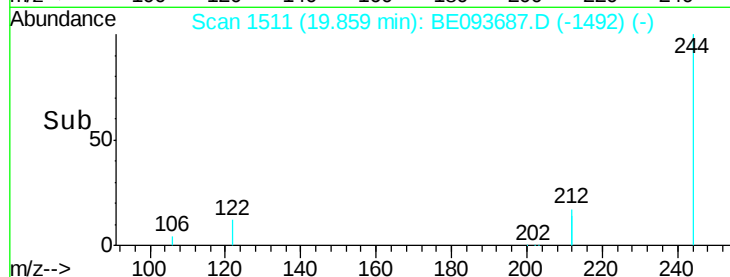
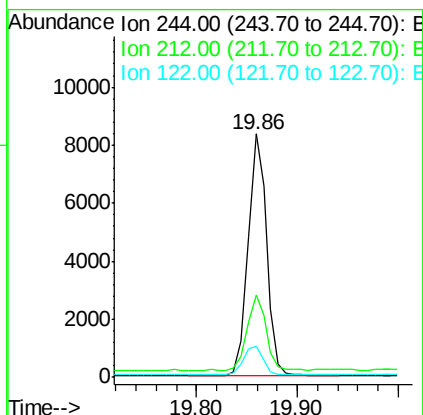
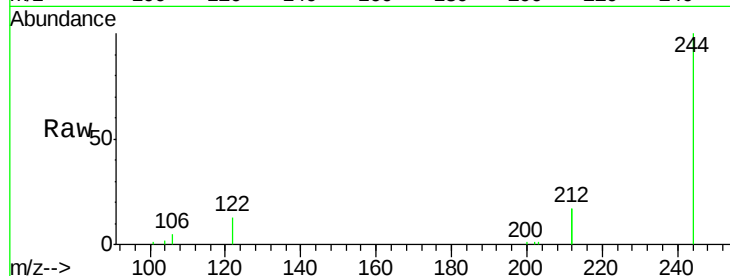




#29
 Terphenyl-d14
 Concen: 0.260 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093687.D
 Acq: 5 Aug 2017 22:36

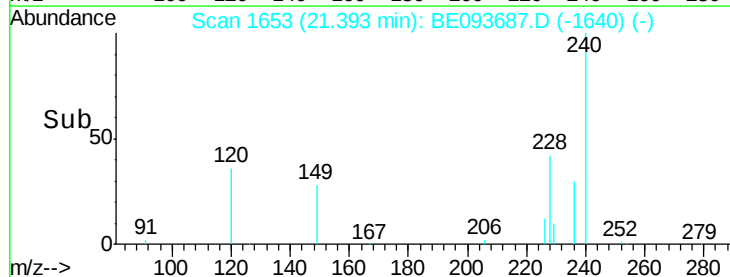
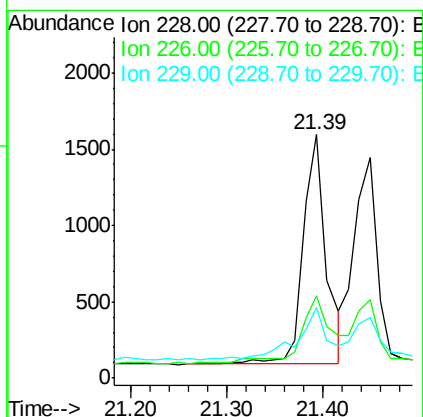
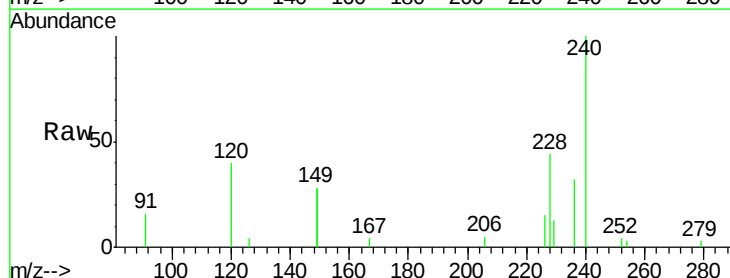
Instrument :
 BNA_E
 ClientSampled :
 LASB-18-1

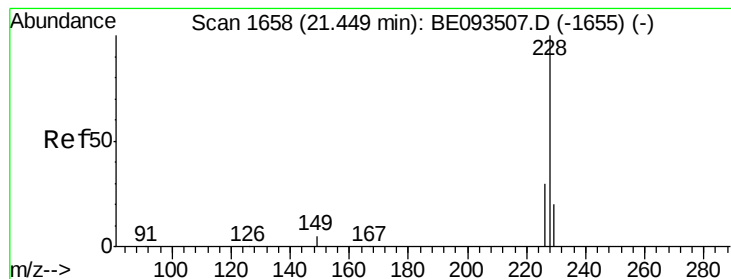
Tgt Ion:244 Resp: 10638
 Ion Ratio Lower Upper
 244 100
 212 34.1 10.6 16.0#
 122 12.8 15.4 23.0#



#30
 Benzo(a)anthracene
 Concen: 0.037 ng
 RT: 21.39 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BE093687.D
 Acq: 5 Aug 2017 22:36

Tgt Ion:228 Resp: 2489
 Ion Ratio Lower Upper
 228 100
 226 34.0 19.7 29.5#
 229 28.9 19.2 28.8#





#31

Chrysene

Concen: 0.031 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

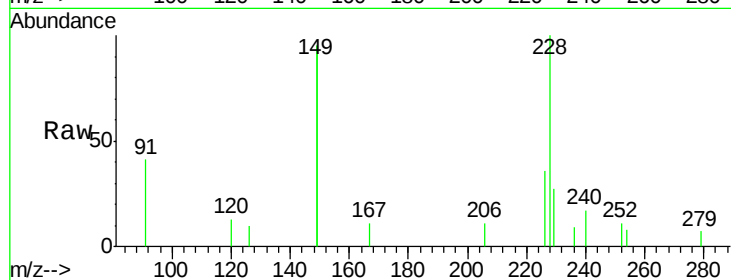
Tgt Ion:228 Resp: 2322

Ion Ratio Lower Upper

228 100

226 35.5 21.5 32.3#

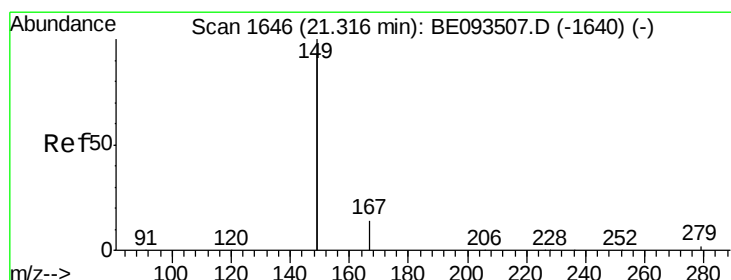
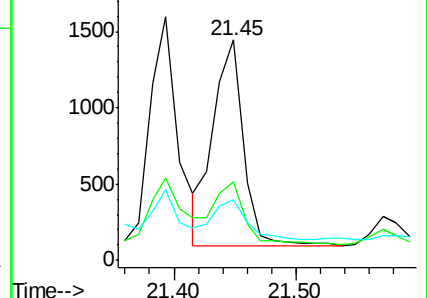
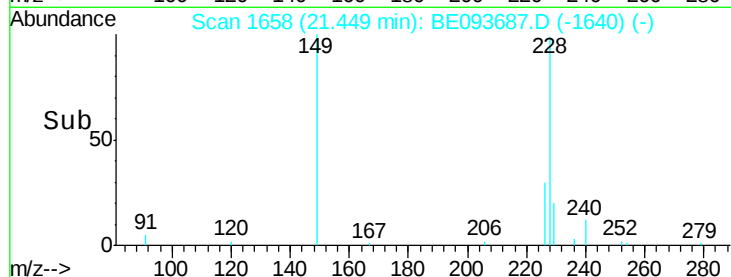
229 27.2 18.6 28.0



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: 18.799 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

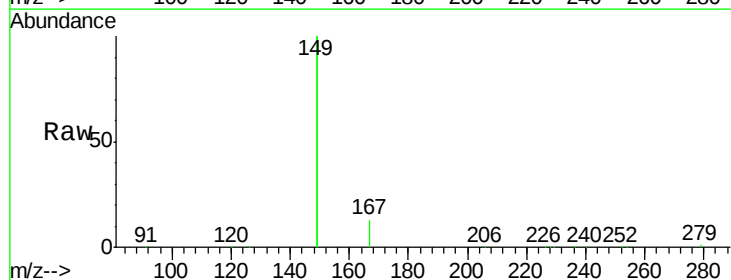
Tgt Ion:149 Resp: 1714829

Ion Ratio Lower Upper

149 100

167 6.7 4.8 7.2

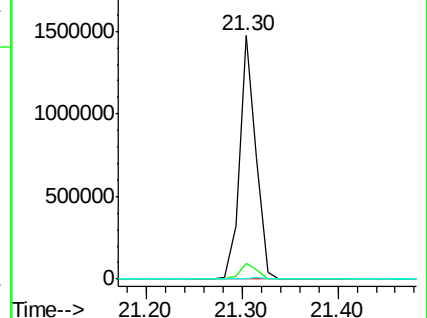
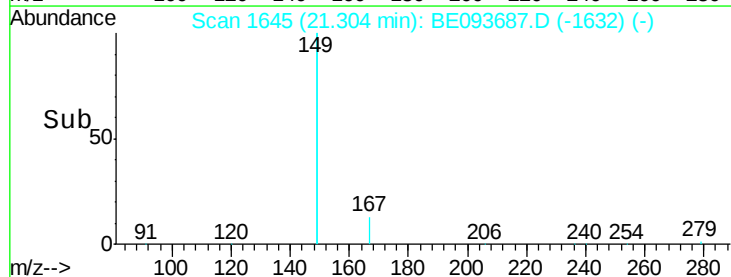
279 0.9 0.8 1.2

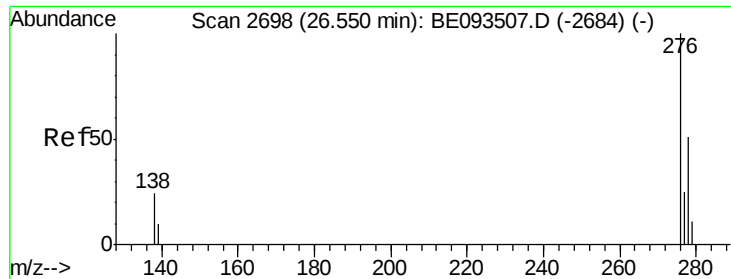


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

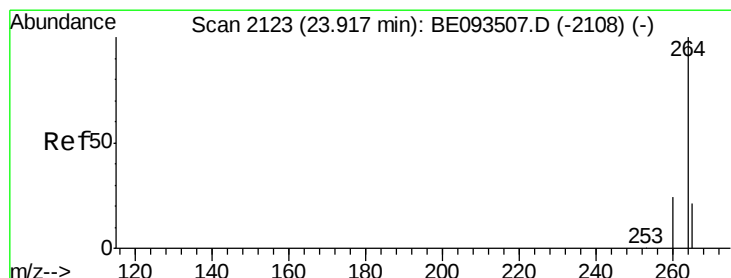
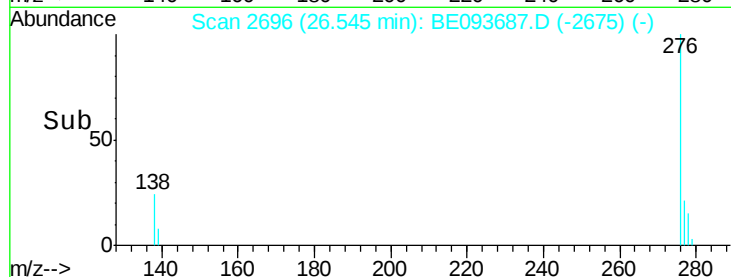
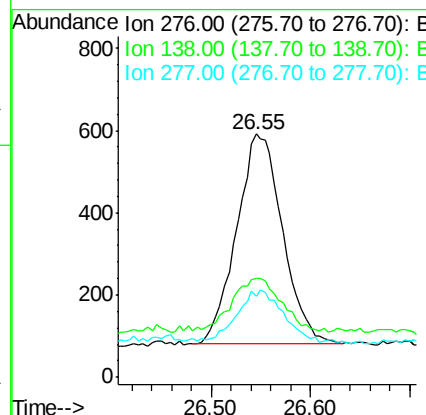
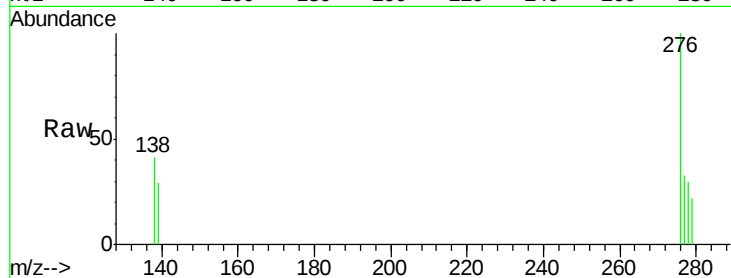




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.024 ng
 RT: 26.55 min Scan# 2696
 Delta R.T. -0.00 min
 Lab File: BE093687.D
 Acq: 5 Aug 2017 22:36

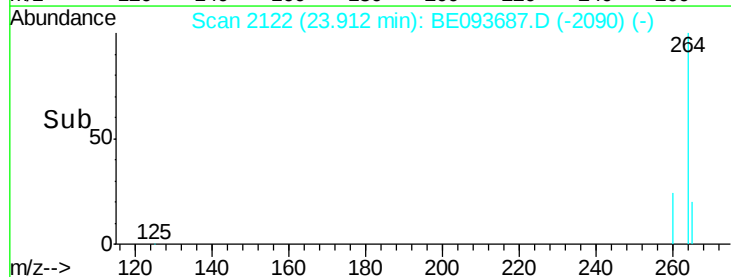
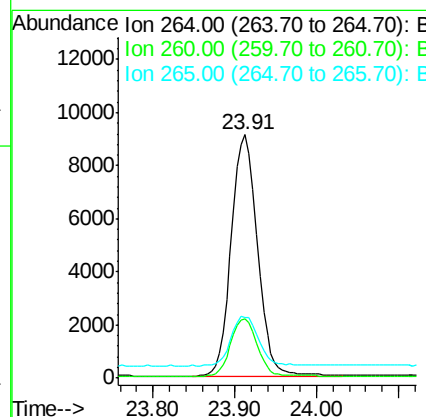
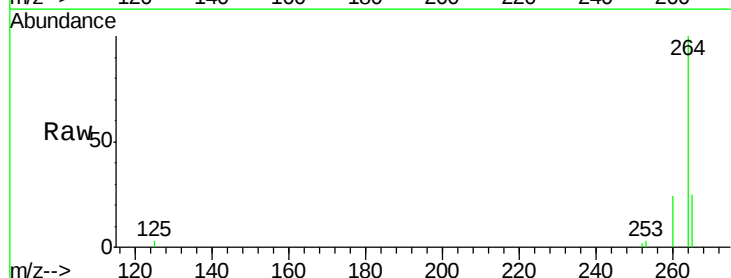
Instrument :
 BNA_E
 ClientSampleId :
 LASB-18-1

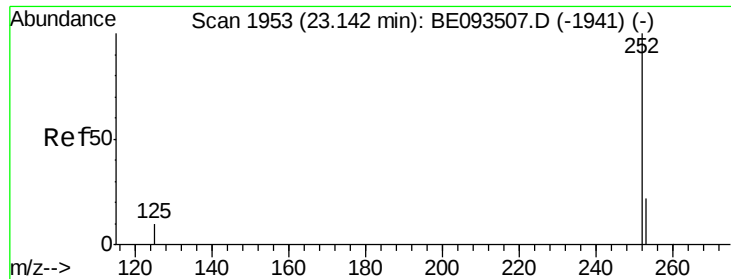
Tgt Ion: 276 Resp: 1649
 Ion Ratio Lower Upper
 276 100
 138 27.6 27.4 41.2
 277 24.9 20.1 30.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.00 min
 Lab File: BE093687.D
 Acq: 5 Aug 2017 22:36

Tgt Ion: 264 Resp: 20175
 Ion Ratio Lower Upper
 264 100
 260 24.1 21.0 31.4
 265 25.0 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.045 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

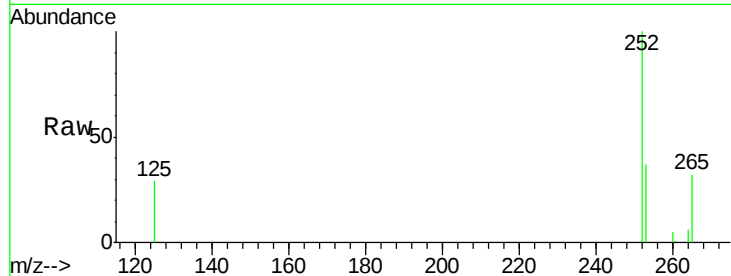
Tgt Ion:252 Resp: 3259

Ion Ratio Lower Upper

252 100

253 37.0 18.5 27.7#

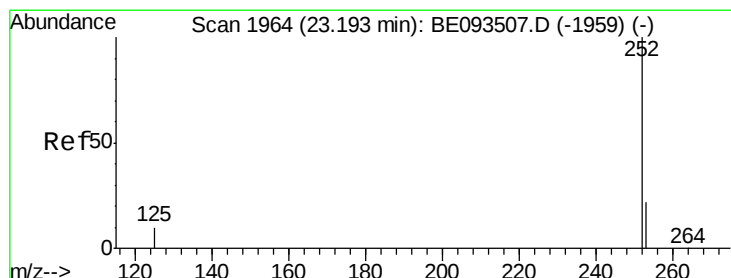
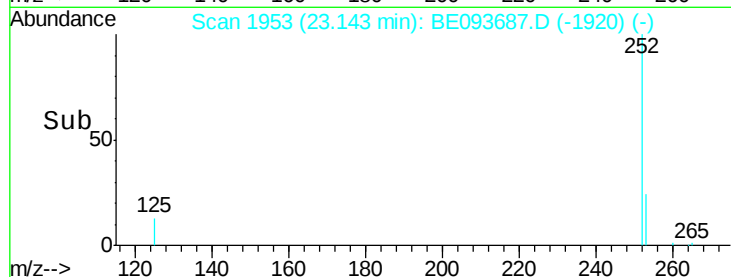
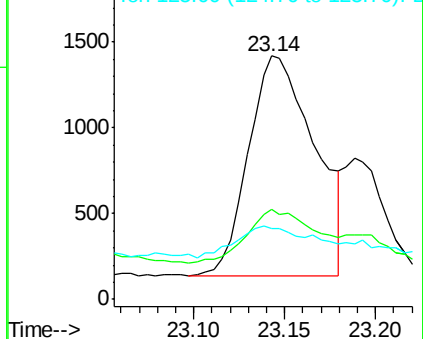
125 29.3 13.4 20.0#



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: 0.044 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

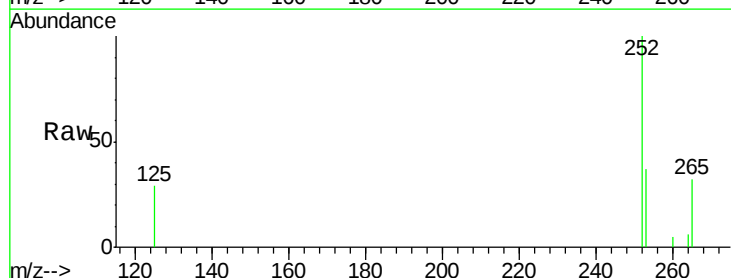
Tgt Ion:252 Resp: 3259

Ion Ratio Lower Upper

252 100

253 37.0 20.3 30.5#

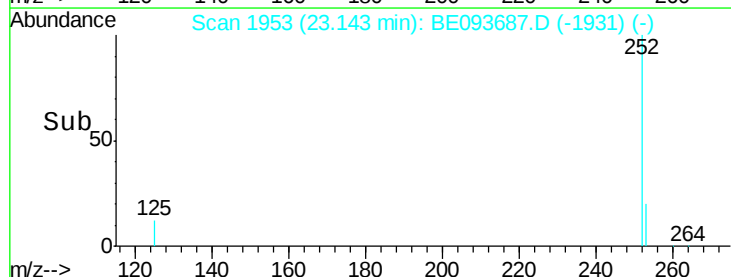
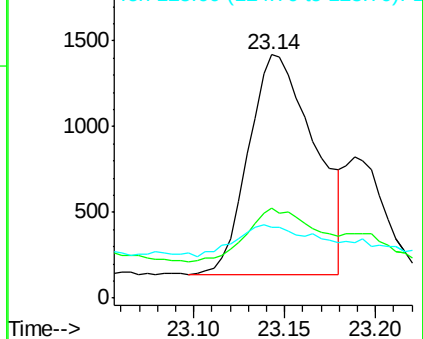
125 29.3 12.2 18.4#

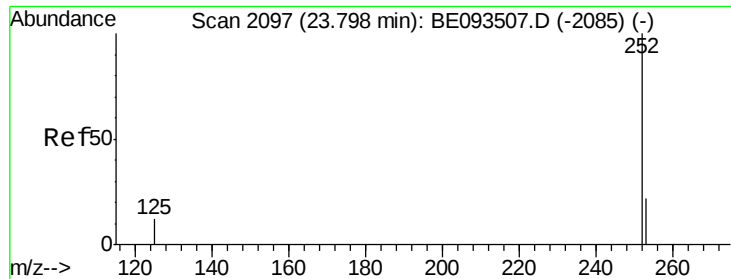


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.034 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

Instrument :

BNA_E

ClientSampleId :

LASB-18-1

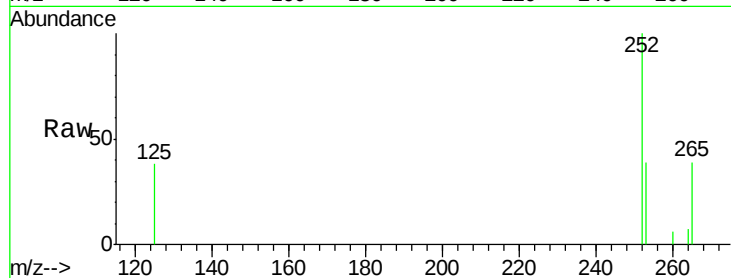
Tgt Ion: 252 Resp: 2222

Ion Ratio Lower Upper

252 100

253 39.3 19.9 29.9#

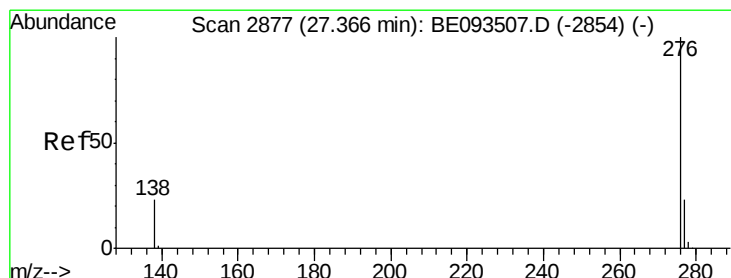
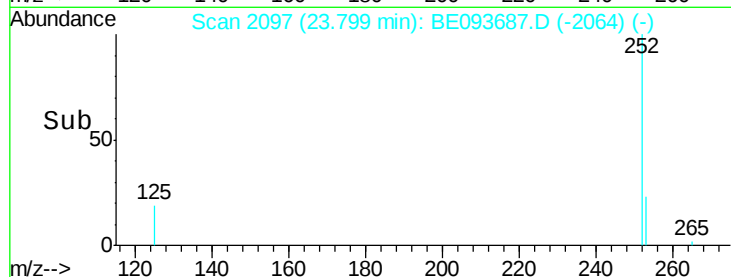
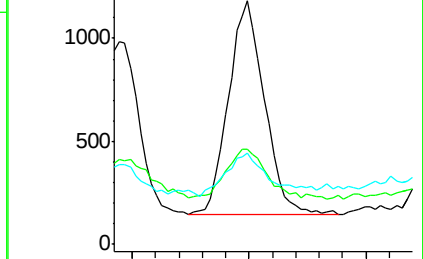
125 37.6 14.6 21.8#



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: 0.029 ng

RT: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE093687.D

Acq: 5 Aug 2017 22:36

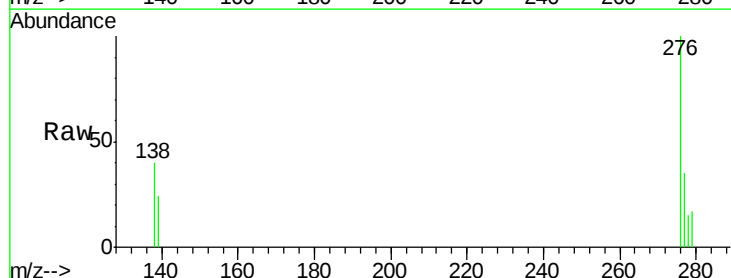
Tgt Ion: 276 Resp: 1850

Ion Ratio Lower Upper

276 100

277 35.2 21.2 31.8#

138 40.2 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

