

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093684.D
 Acq On : 5 Aug 2017 20:45
 Operator : SJ/JU
 Sample : I4427-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

Quant Time: Aug 06 03:35:37 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	3040	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	14719	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	8311	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	20427	0.40	ng	0.00
27) Chrysene-d12	21.40	240	21693	0.40	ng	-0.01
34) Perylene-d12	23.91	264	19593	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	2793	0.31	ng	0.00
5) Phenol-d6	7.09	99	4327	0.32	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3487	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	4617	0.20	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	565	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6206	0.19	ng	-0.02
25) Fluoranthene-d10	19.27	212	36741	0.16	ng	0.00
29) Terphenyl-d14	19.86	244	6097	0.16	ng	0.00

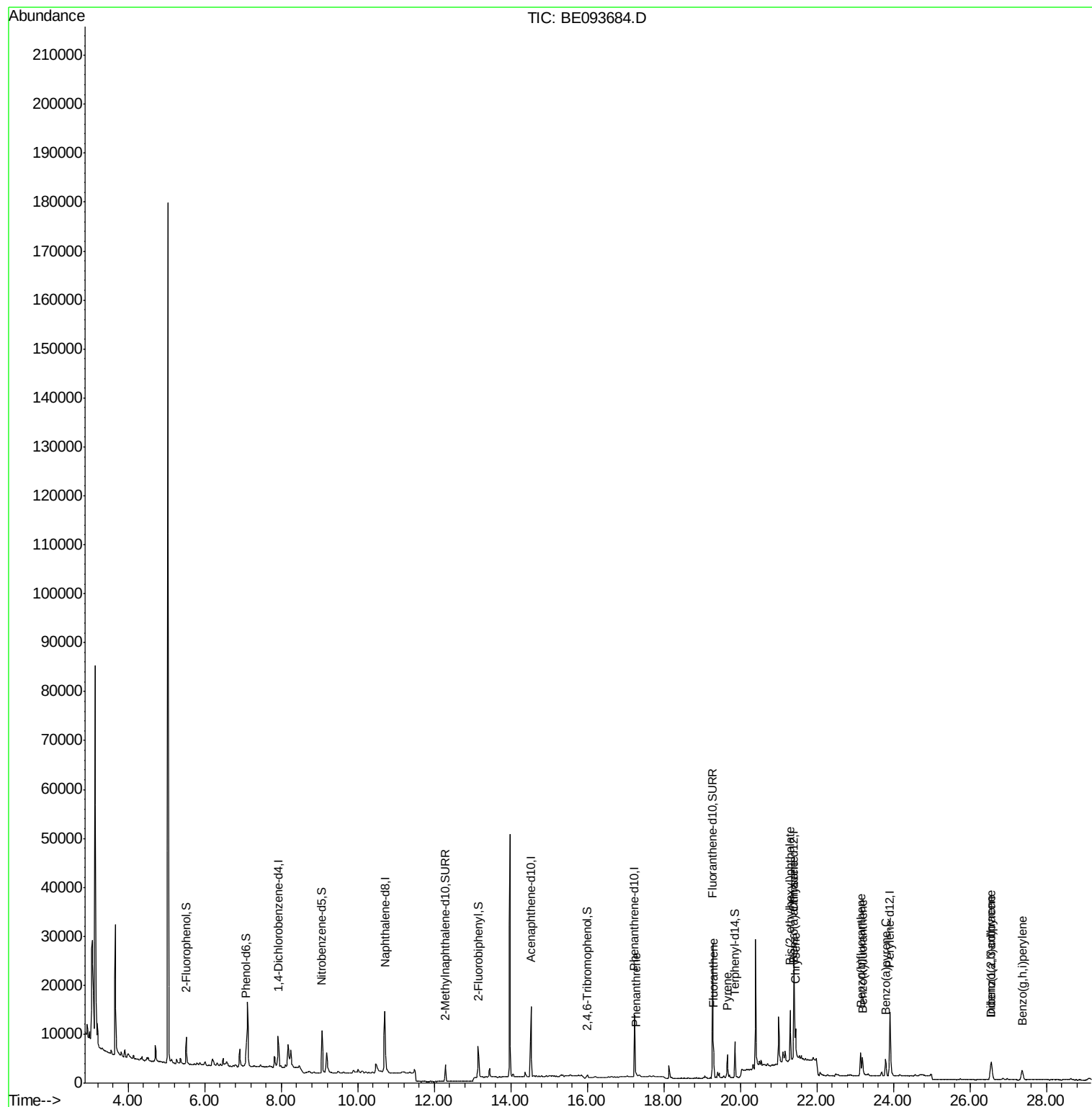
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.27	178	1054	0.023	ng	# 94
26) Fluoranthene	19.30	202	4361	0.061	ng	# 95
28) Pyrene	19.66	202	4316	0.062	ng	# 91
30) Benzo(a)anthracene	21.39	228	5940	0.093	ng	95
31) Chrysene	21.45	228	6132	0.086	ng	96
32) Bis(2-ethylhexyl)phthalate	21.30	149	11957	0.138	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.55	276	5421	0.084	ng	95
35) Benzo(b)fluoranthene	23.14	252	6610	0.095	ng	# 79
36) Benzo(k)fluoranthene	23.19	252	5263	0.074	ng	# 86
37) Benzo(a)pyrene	23.80	252	5191	0.082	ng	# 83
38) Dibenzo(a,h)anthracene	26.57	278	3864	0.063	ng	94
39) Benzo(g,h,i)perylene	27.36	276	4715	0.076	ng	97

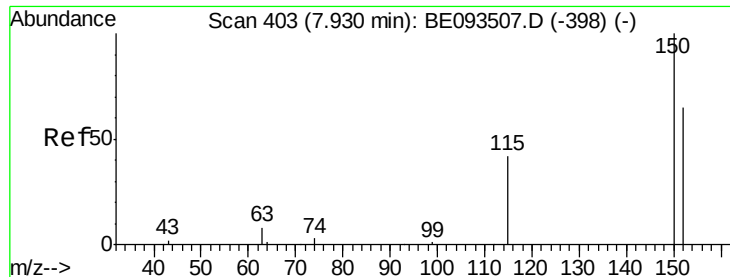
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

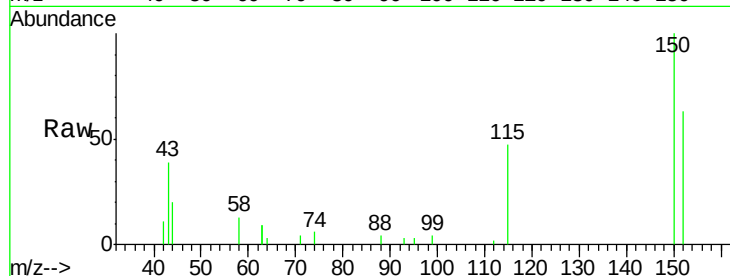
Tgt Ion:152 Resp: 3040

Ion Ratio Lower Upper

152 100

150 159.0 125.1 187.7

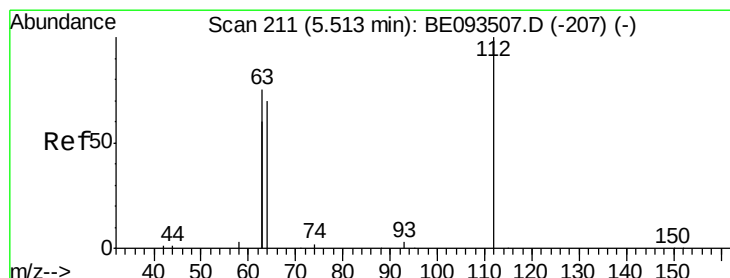
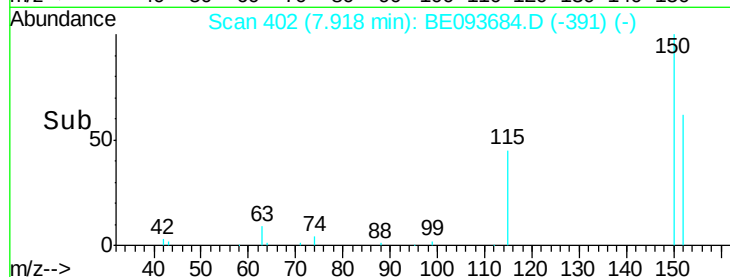
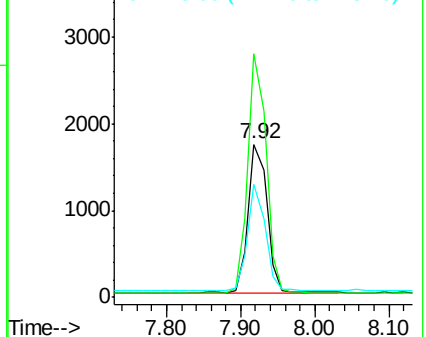
115 74.1 55.7 83.5



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



#4

2-Fluorophenol

Concen: 0.308 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

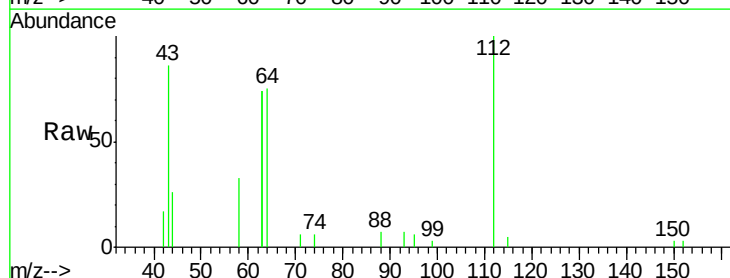
Tgt Ion:112 Resp: 2793

Ion Ratio Lower Upper

112 100

64 75.4 56.4 84.6

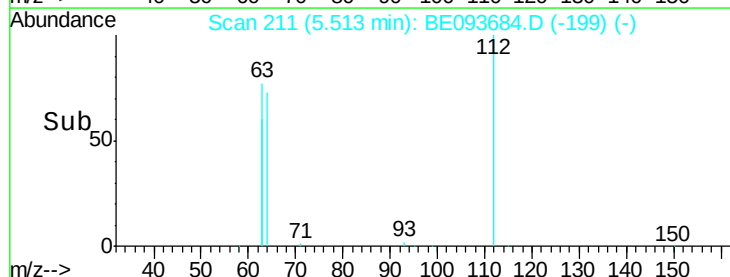
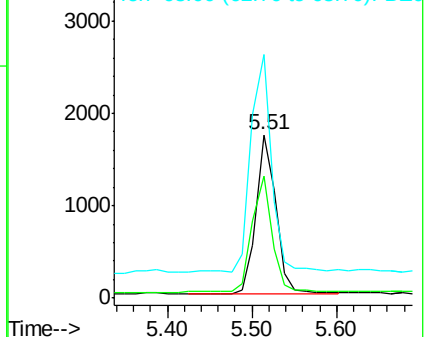
63 139.5 29.3 43.9#

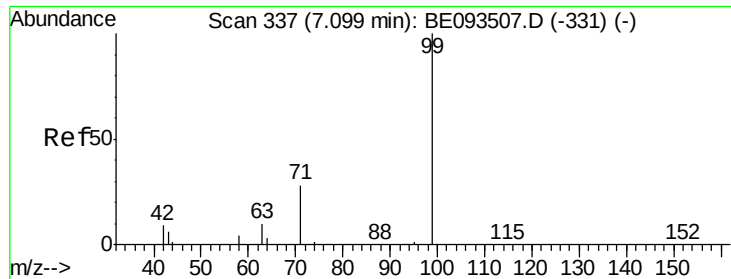


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.317 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

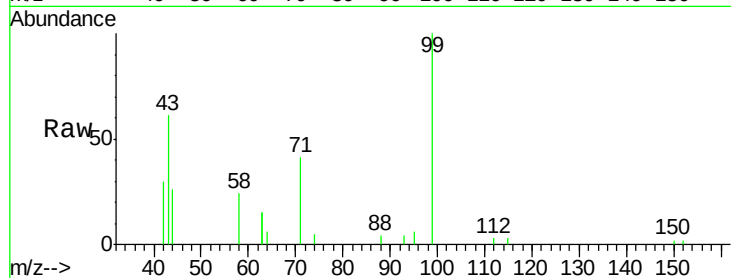
Tgt Ion: 99 Resp: 4327

Ion Ratio Lower Upper

99 100

42 34.1 0.0 0.0#

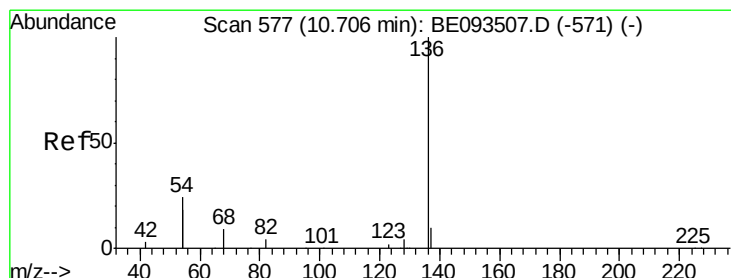
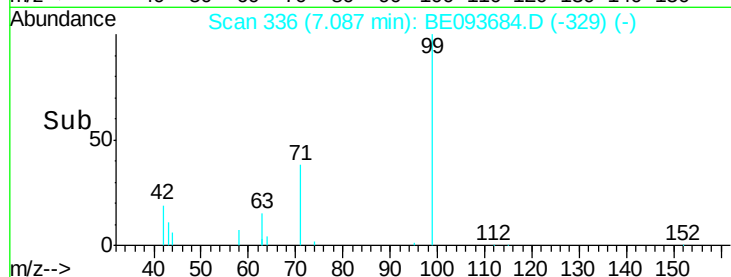
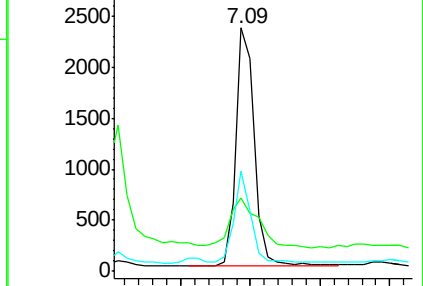
71 35.4 0.0 0.0#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Tgt Ion: 136 Resp: 14719

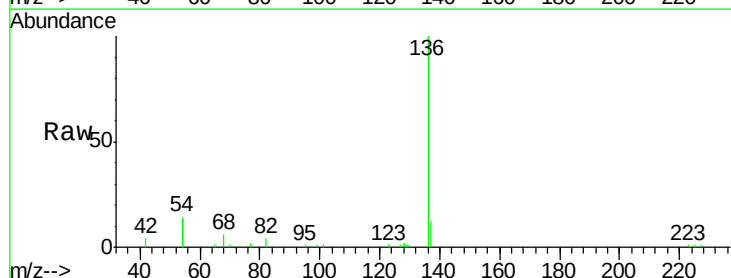
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 27.2 10.3 15.5#

68 6.0 9.0 13.4#

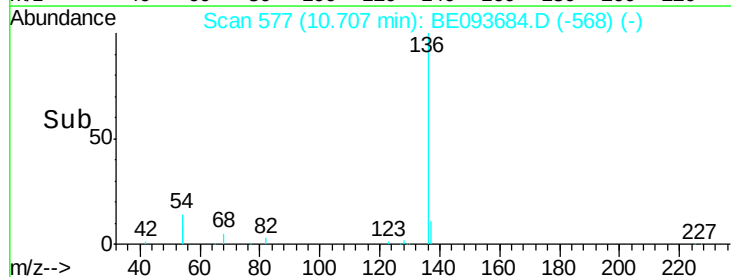
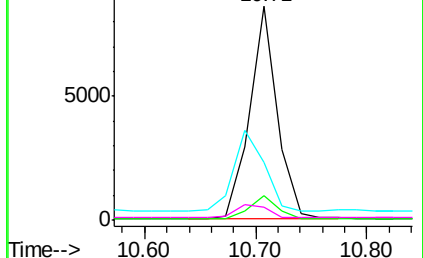


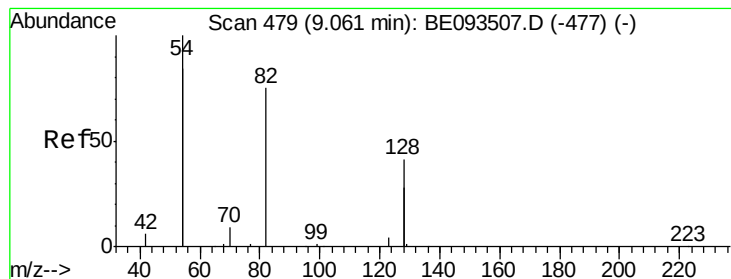
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.310 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

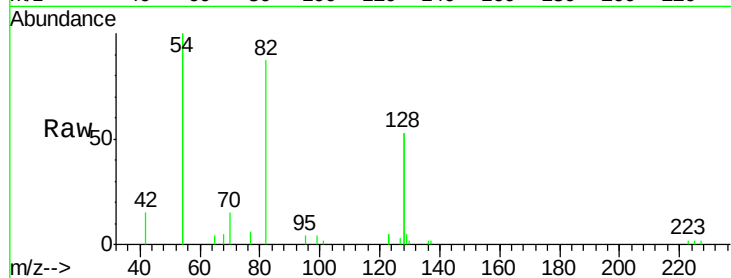
Tgt Ion: 82 Resp: 3487

Ion Ratio Lower Upper

82 100

128 121.2 17.0 25.4#

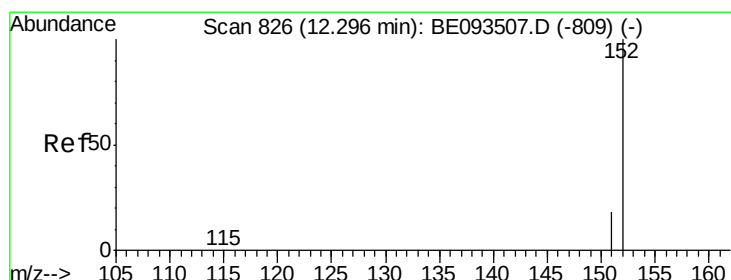
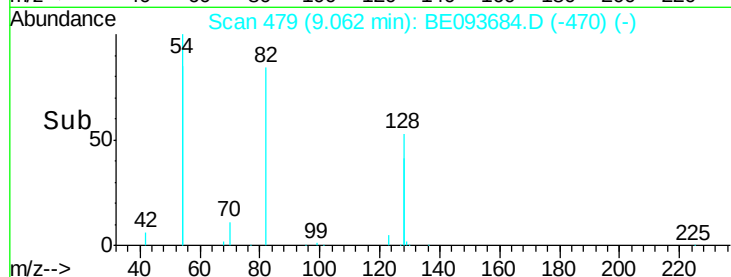
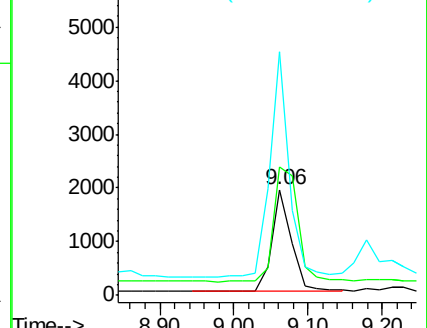
54 229.9 53.8 80.6#



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



#11

2-Methylnaphthalene-d10

Concen: 0.199 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093684.D

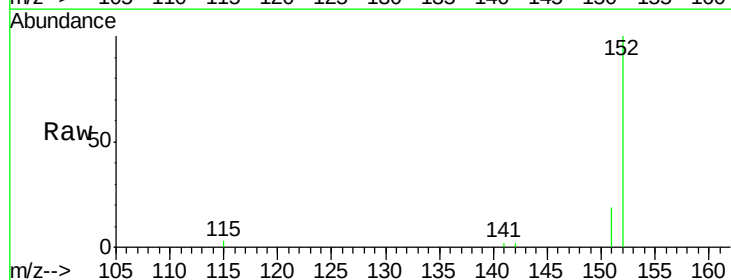
Acq: 5 Aug 2017 20:45

Tgt Ion: 152 Resp: 4617

Ion Ratio Lower Upper

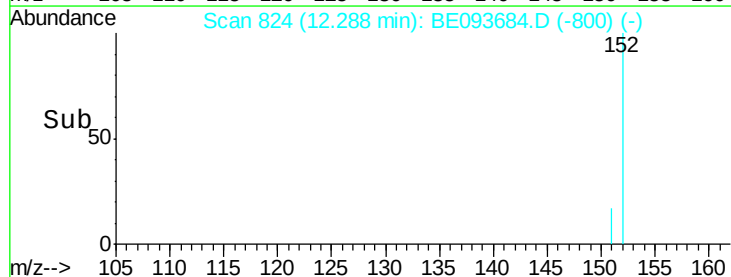
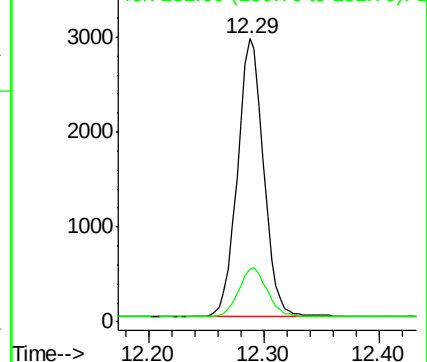
152 100

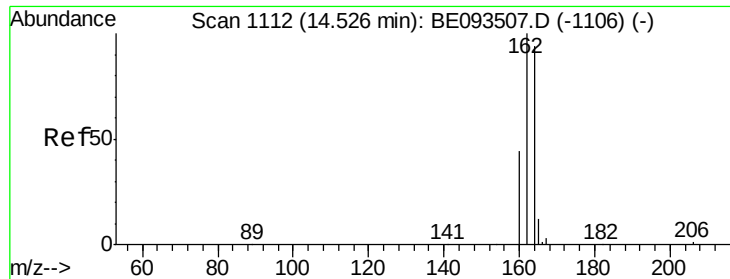
151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

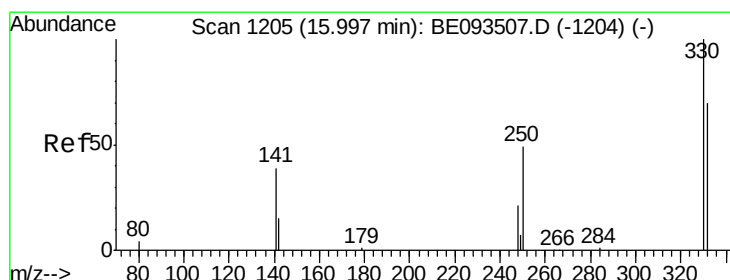
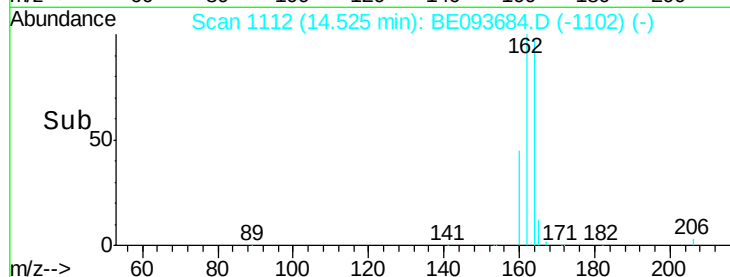
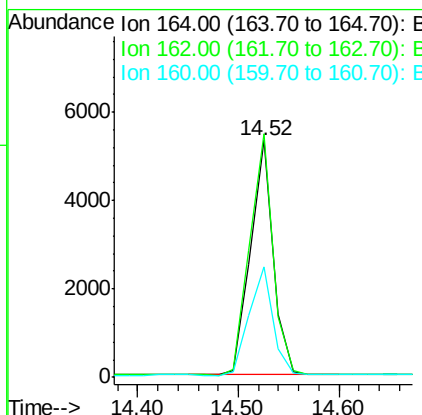
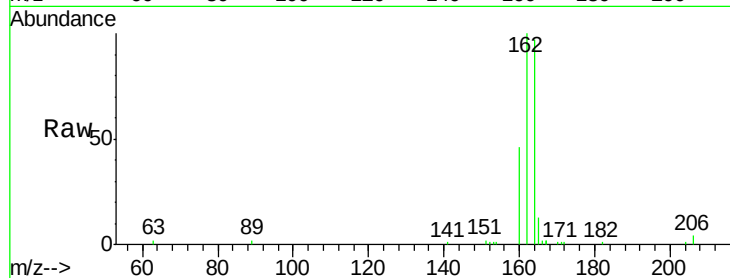




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

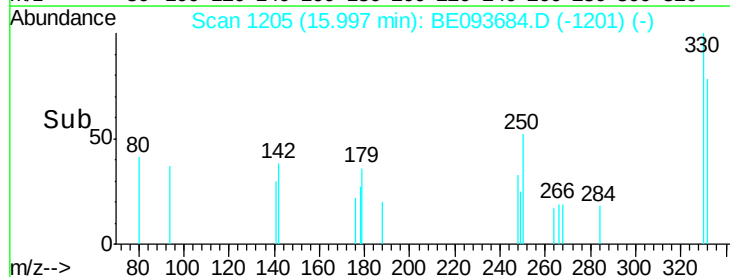
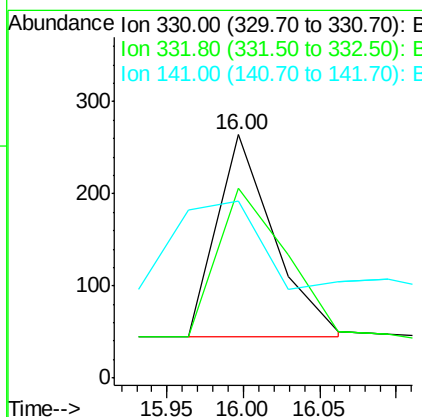
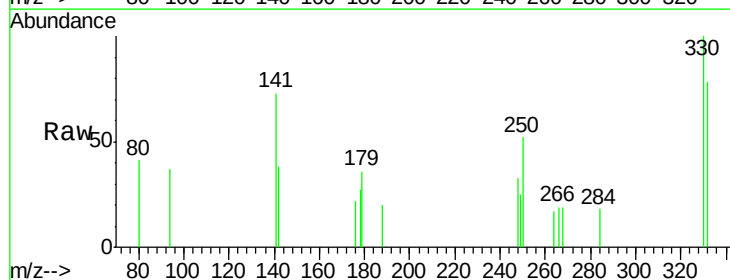
Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

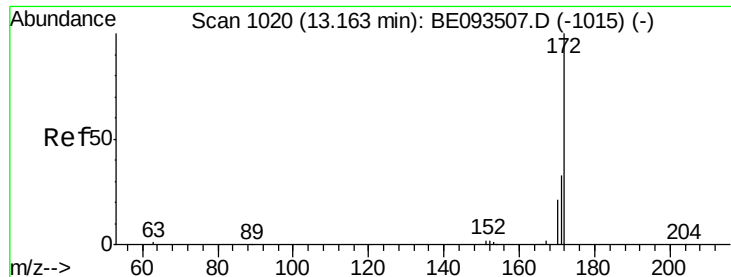
Tgt Ion:164 Resp: 8311
 Ion Ratio Lower Upper
 164 100
 162 102.7 84.6 127.0
 160 46.8 41.8 62.6



#14
 2,4,6-Tribromophenol
 Concen: 0.334 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

Tgt Ion:330 Resp: 565
 Ion Ratio Lower Upper
 330 100
 332 88.3 77.7 116.5
 141 63.0 56.2 84.4

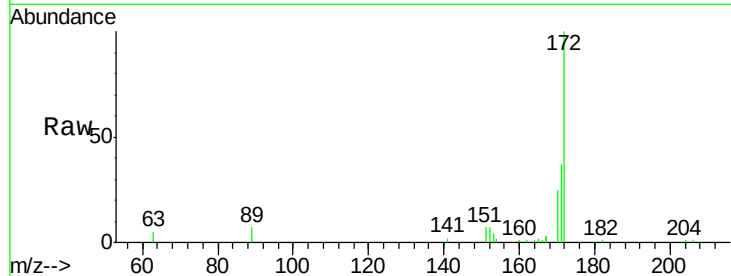




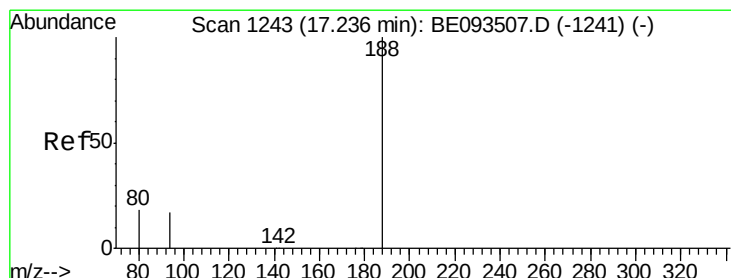
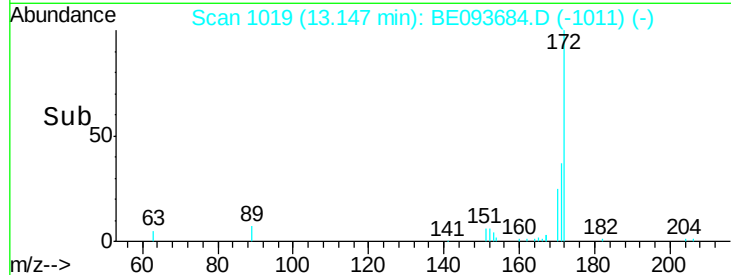
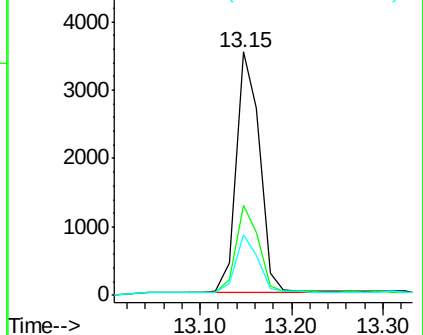
#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BE093684.D
Acq: 5 Aug 2017 20:45

Instrument :
BNA_E
ClientSampleId :
LASB-14A-1

Tgt Ion:172 Resp: 6206
Ion Ratio Lower Upper
172 100
171 36.8 29.8 44.6
170 24.8 20.7 31.1

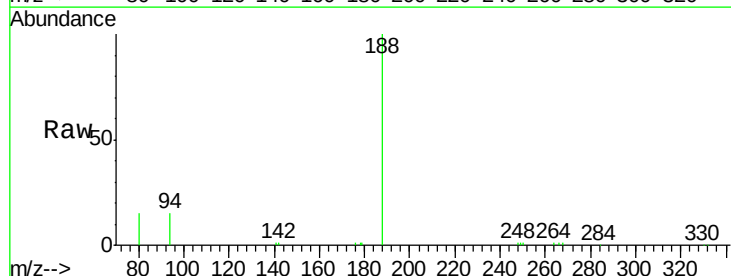


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

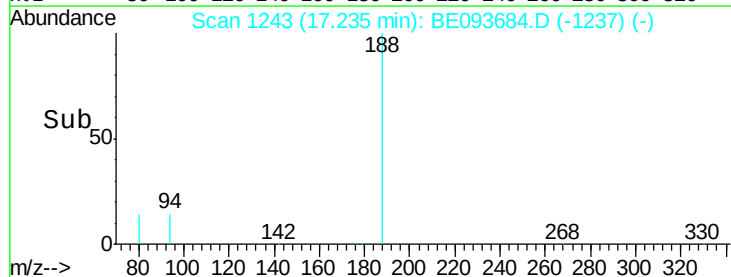
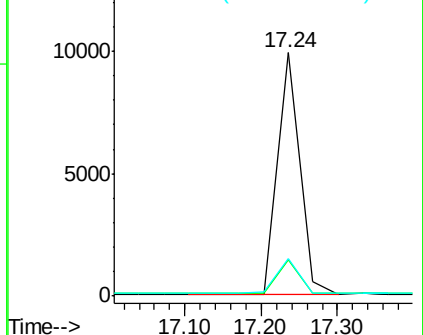


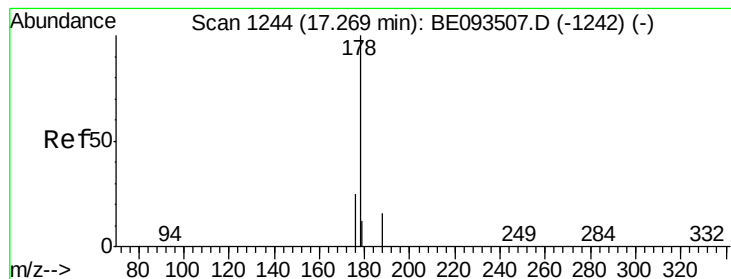
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093684.D
Acq: 5 Aug 2017 20:45

Tgt Ion:188 Resp: 20427
Ion Ratio Lower Upper
188 100
94 14.8 11.3 16.9
80 15.4 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





#23

Phenanthrene

Concen: 0.023 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

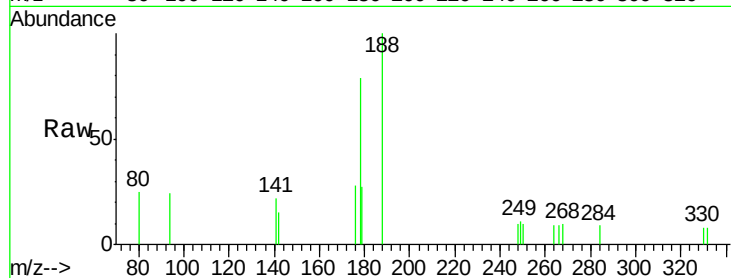
Tgt Ion:178 Resp: 1054

Ion Ratio Lower Upper

178 100

176 23.3 15.0 22.4#

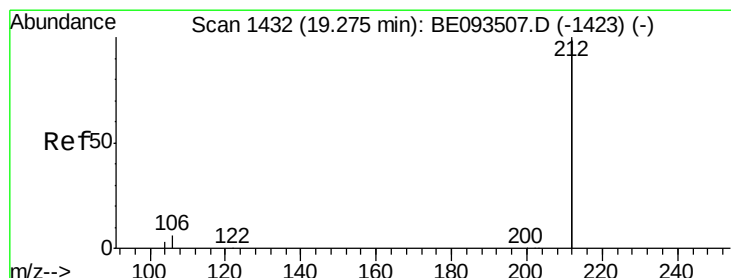
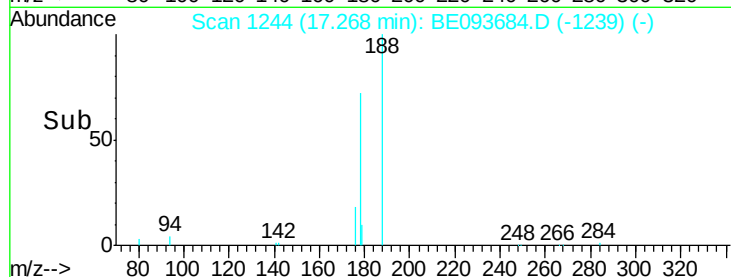
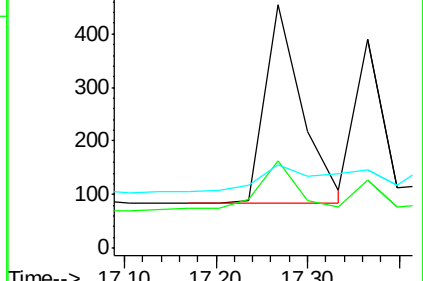
179 16.5 12.7 19.1



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



#25

Fluoranthene-d10

Concen: 0.158 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

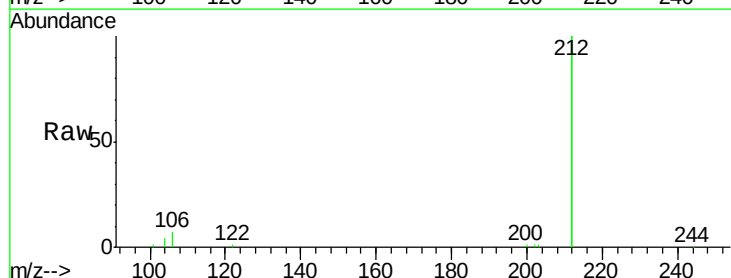
Tgt Ion:212 Resp: 36741

Ion Ratio Lower Upper

212 100

106 3.6 2.4 3.6#

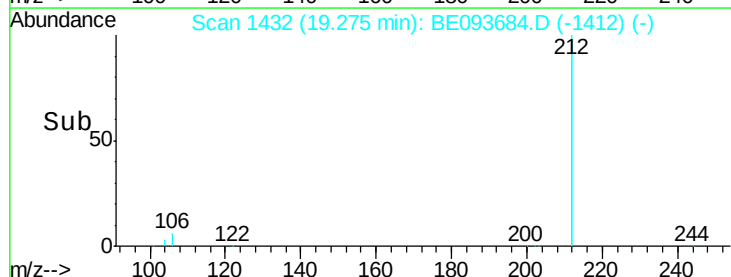
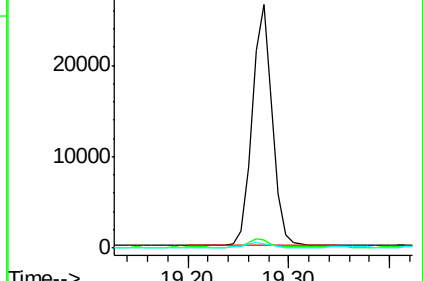
104 2.3 1.6 2.4

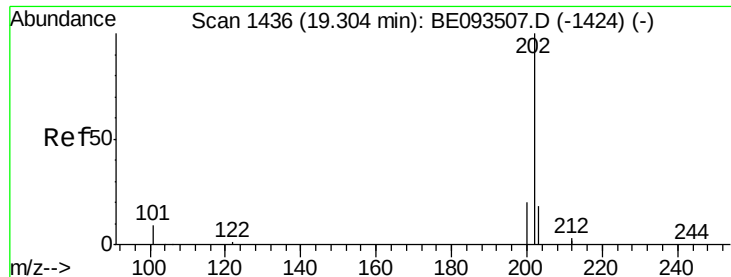


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

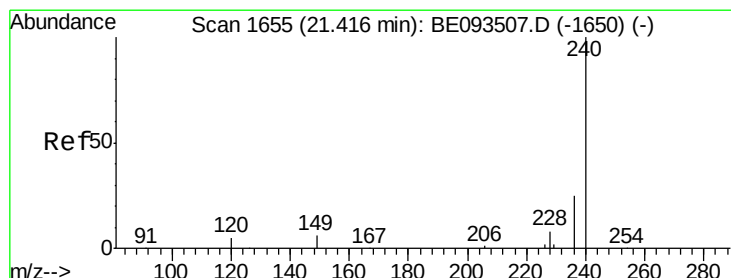
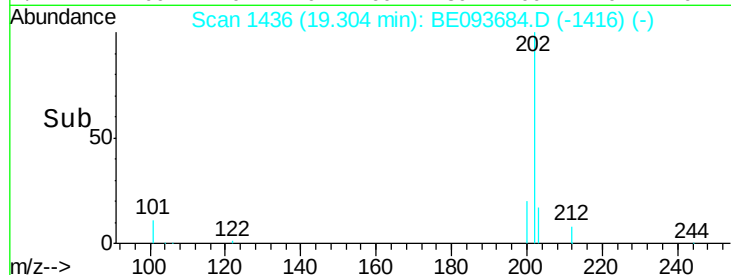
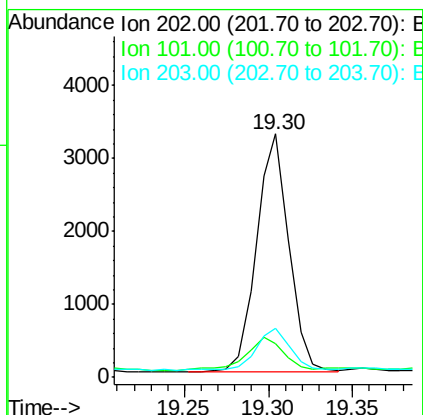
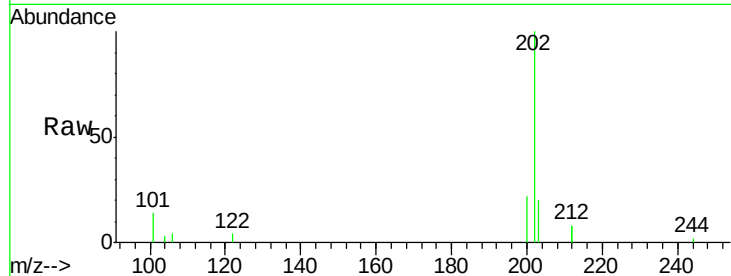




#26
 Fluoranthene
 Concen: 0.061 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

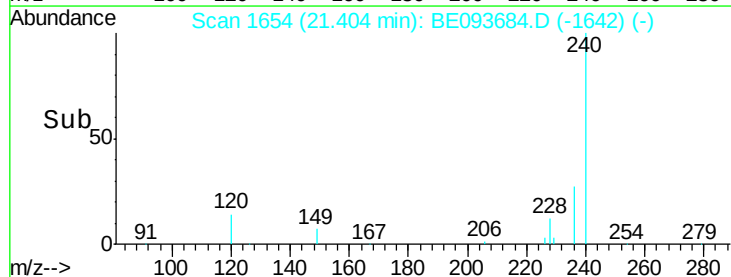
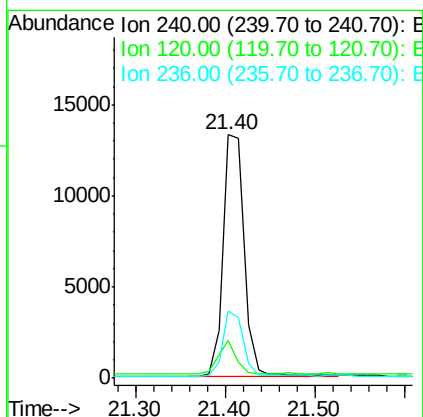
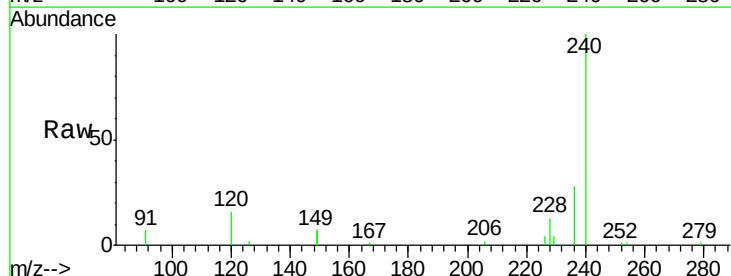
Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

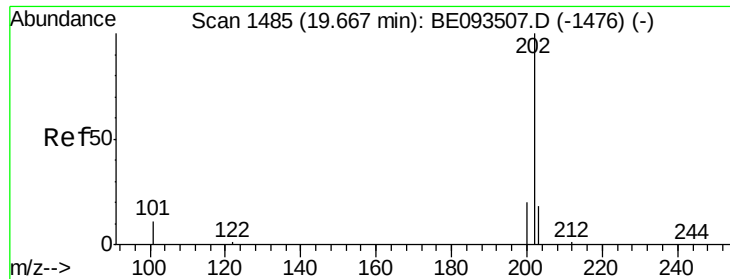
Tgt Ion: 202 Resp: 4361
 Ion Ratio Lower Upper
 202 100
 101 15.5 9.6 14.4#
 203 18.8 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

Tgt Ion: 240 Resp: 21693
 Ion Ratio Lower Upper
 240 100
 120 15.5 4.6 7.0#
 236 27.6 20.8 31.2

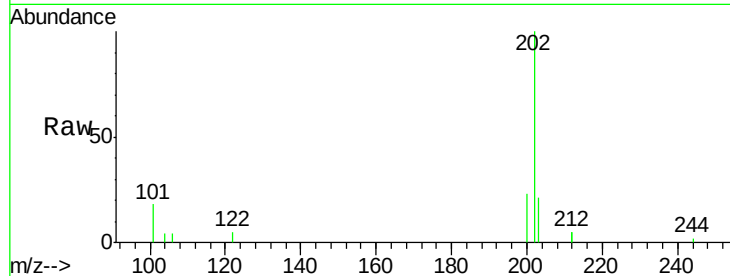




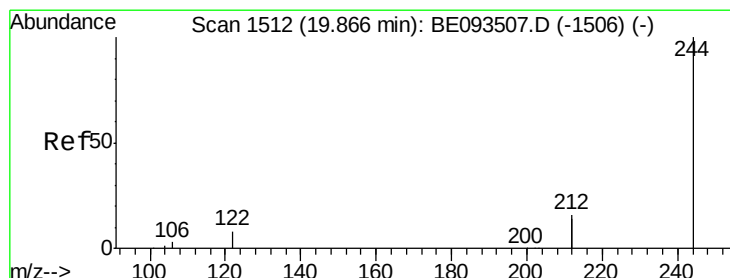
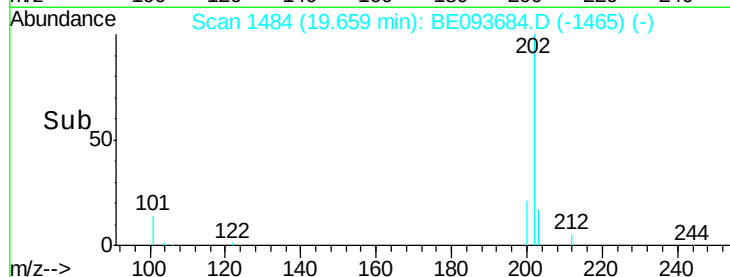
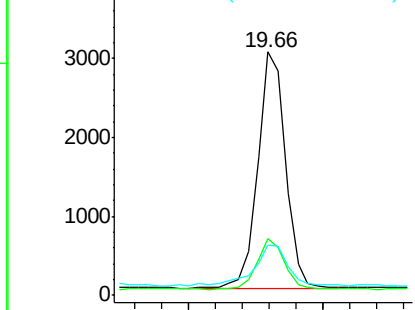
#28
 Pyrene
 Concen: 0.062 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

Tgt Ion: 202 Resp: 4316
 Ion Ratio Lower Upper
 202 100
 200 21.5 0.0 0.0#
 203 21.1 13.7 20.5#

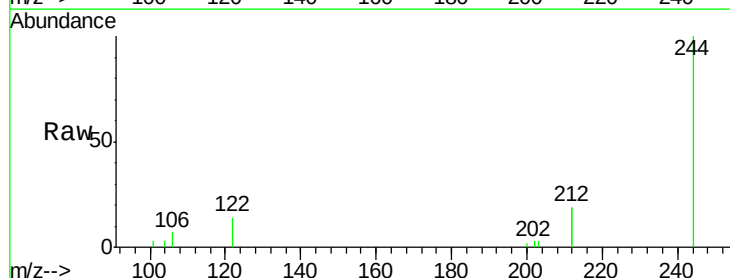


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

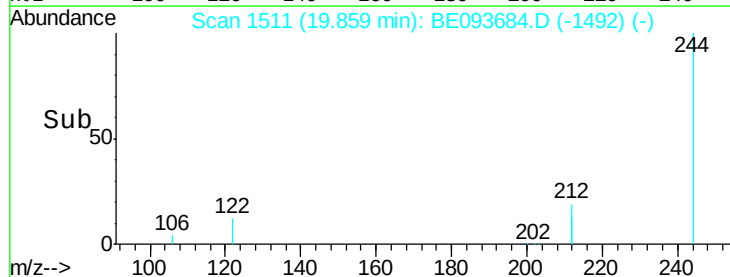
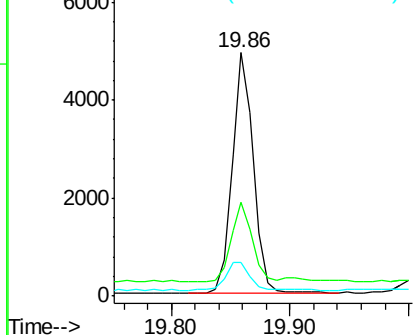


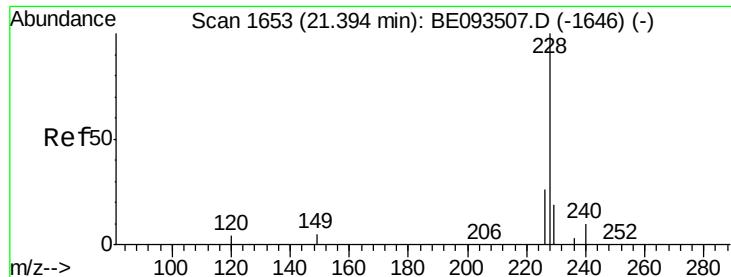
#29
 Terphenyl-d14
 Concen: 0.156 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

Tgt Ion: 244 Resp: 6097
 Ion Ratio Lower Upper
 244 100
 212 38.4 10.6 16.0#
 122 13.9 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: 0.093 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

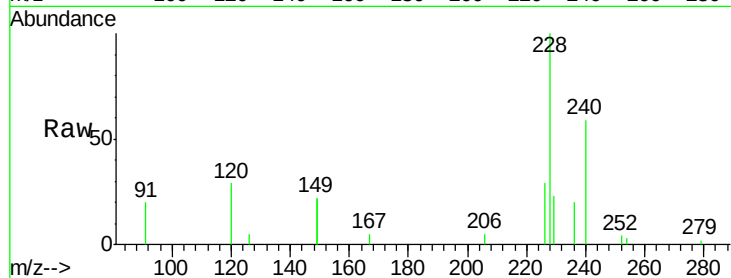
Tgt Ion:228 Resp: 5940

Ion Ratio Lower Upper

228 100

226 29.3 19.7 29.5

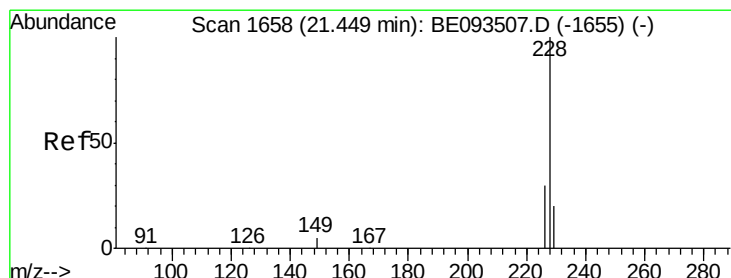
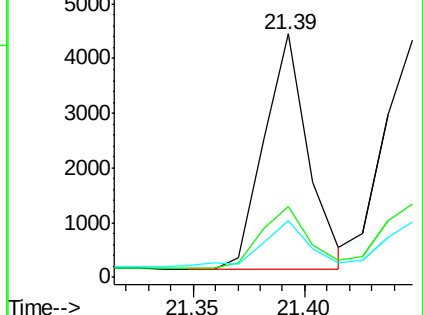
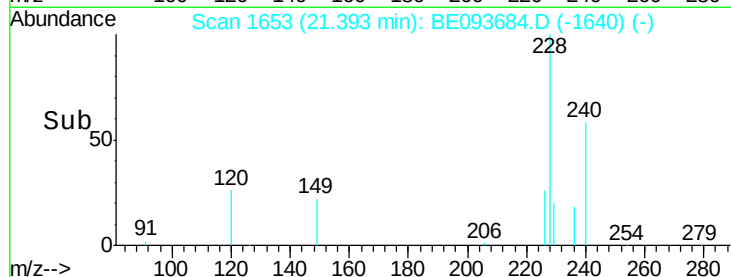
229 23.5 19.2 28.8



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: 0.086 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

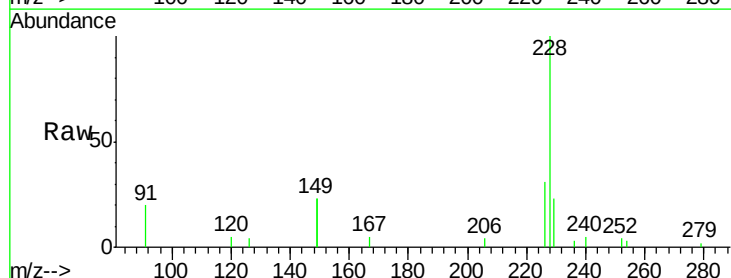
Tgt Ion:228 Resp: 6132

Ion Ratio Lower Upper

228 100

226 30.6 21.5 32.3

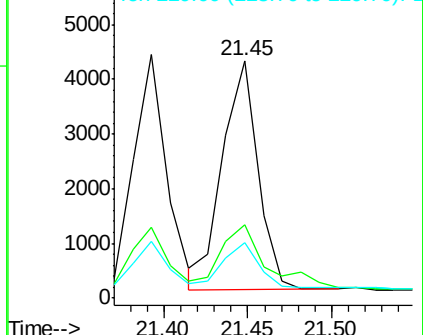
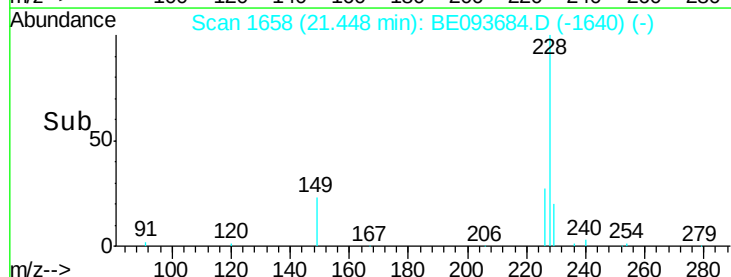
229 23.5 18.6 28.0

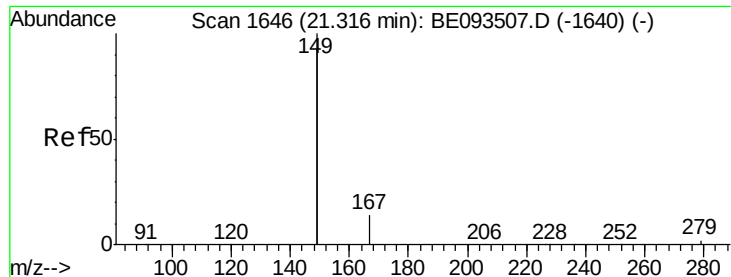


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

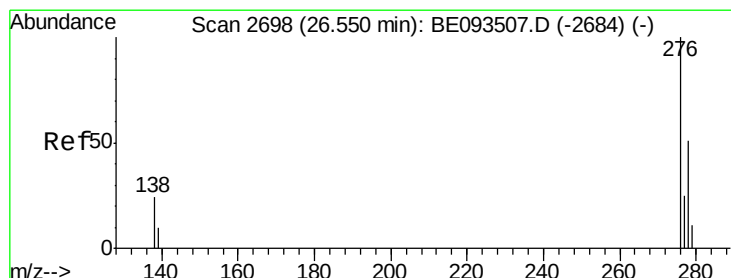
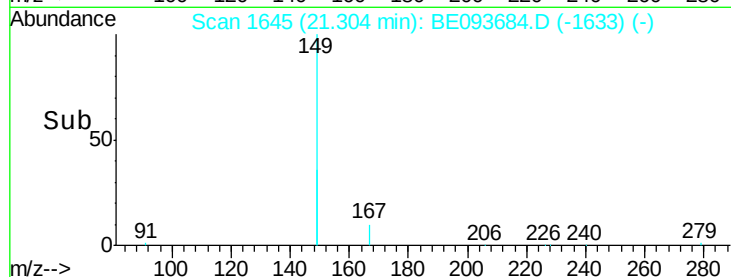
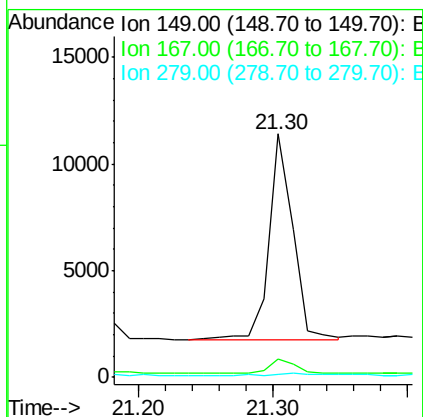
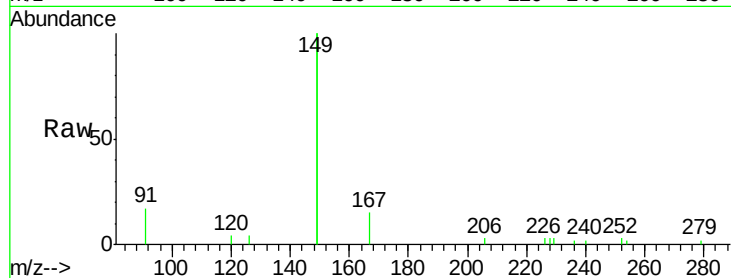




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.138 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

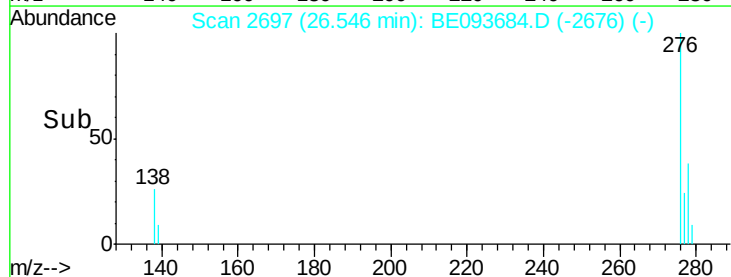
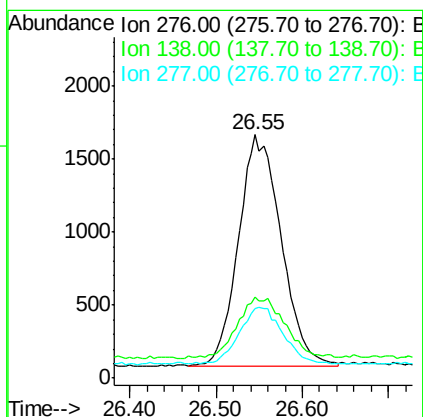
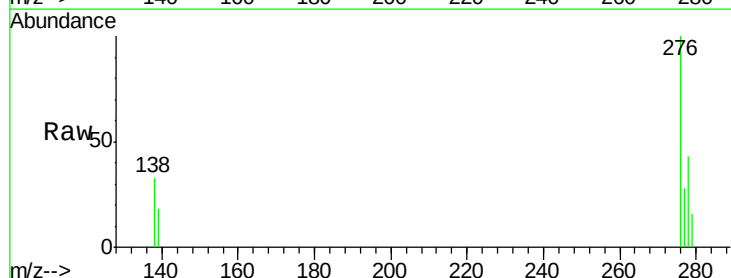
Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

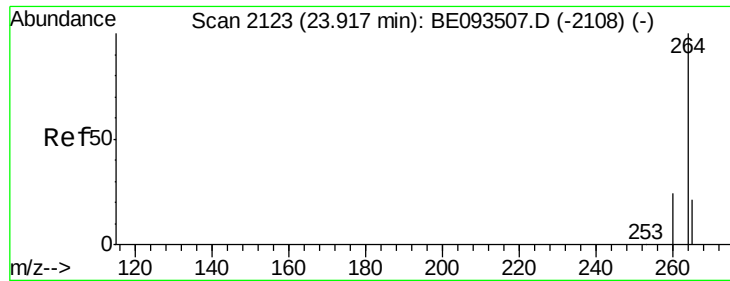
Tgt Ion:149 Resp: 11957
 Ion Ratio Lower Upper
 149 100
 167 7.2 4.8 7.2#
 279 1.4 0.8 1.2#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.084 ng
 RT: 26.55 min Scan# 2697
 Delta R.T. -0.00 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

Tgt Ion:276 Resp: 5421
 Ion Ratio Lower Upper
 276 100
 138 29.3 27.4 41.2
 277 24.8 20.1 30.1

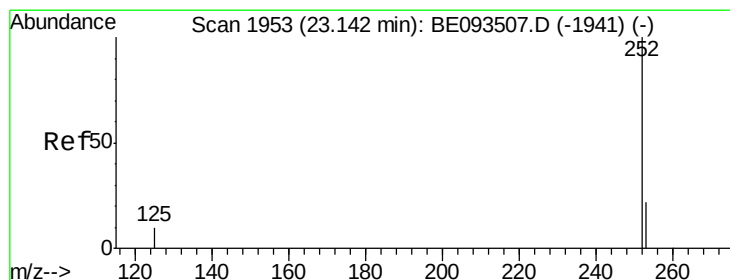
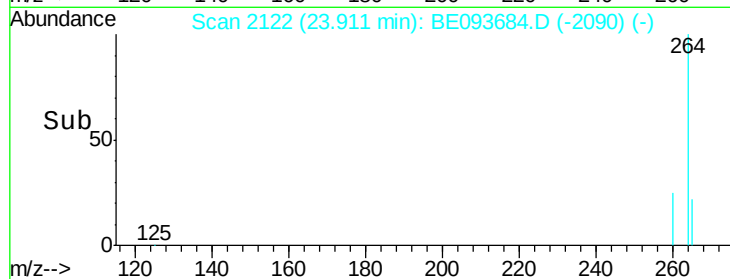
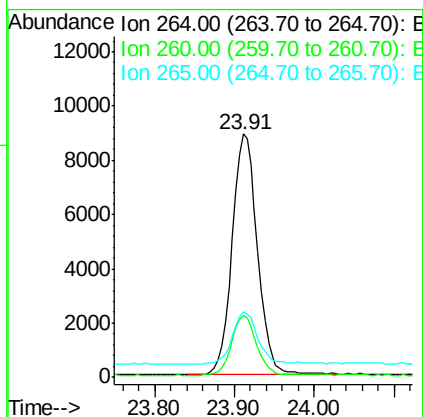
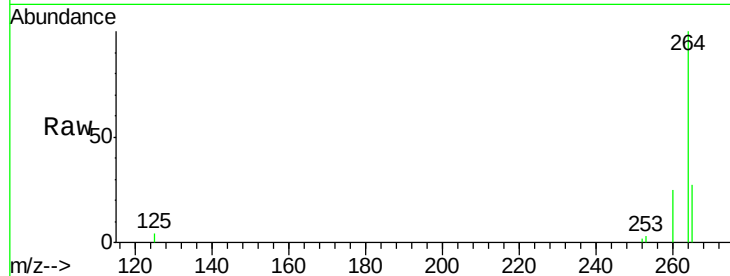




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

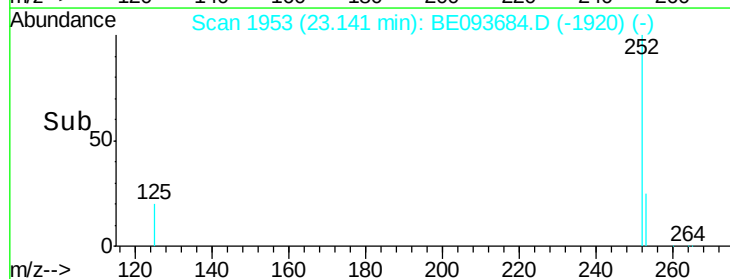
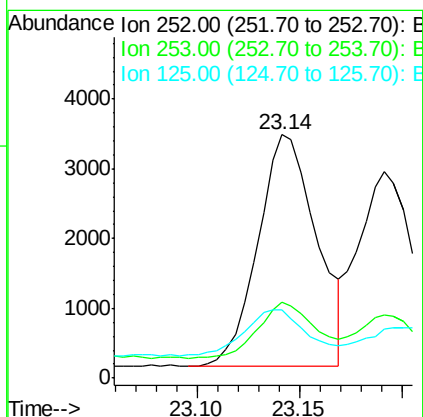
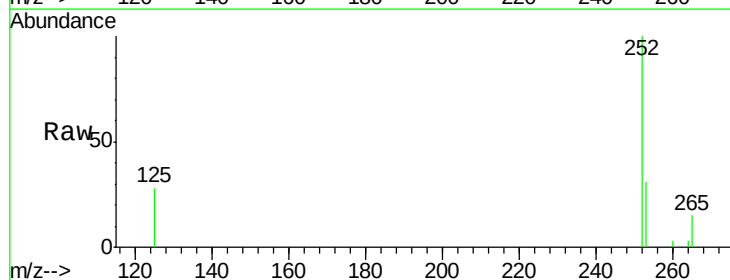
Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

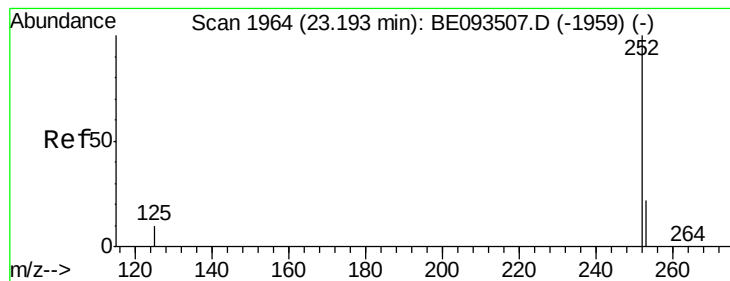
Tgt Ion: 264 Resp: 19593
 Ion Ratio Lower Upper
 264 100
 260 25.2 21.0 31.4
 265 27.1 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.095 ng
 RT: 23.14 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

Tgt Ion: 252 Resp: 6610
 Ion Ratio Lower Upper
 252 100
 253 31.4 18.5 27.7#
 125 28.2 13.4 20.0#





#36

Benzo(k)fluoranthene

Concen: 0.074 ng

RT: 23.19 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

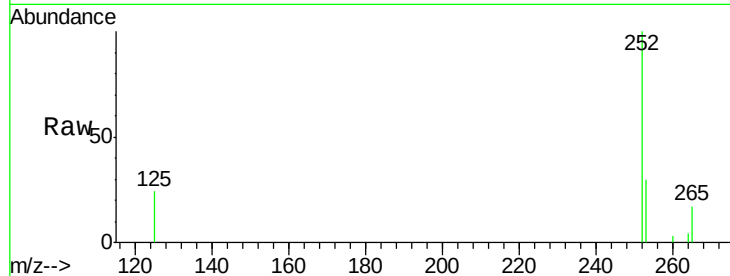
Tgt Ion:252 Resp: 5263

Ion Ratio Lower Upper

252 100

253 30.4 20.3 30.5

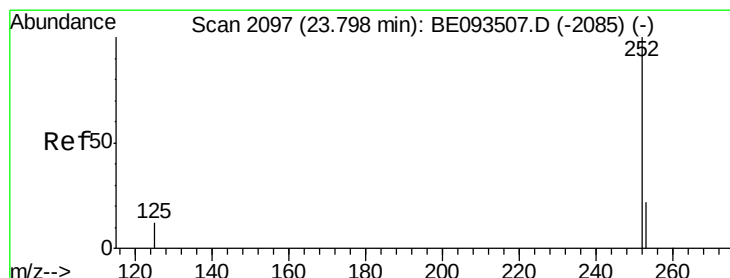
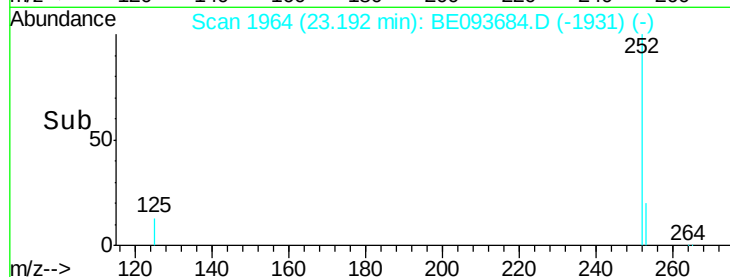
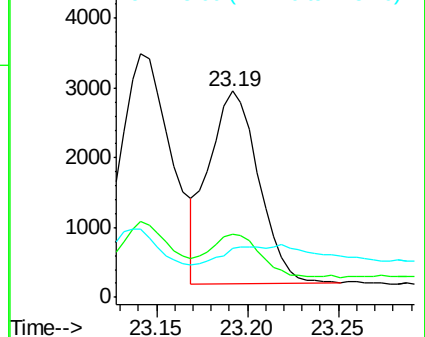
125 23.6 12.2 18.4#



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: 0.082 ng

RT: 23.80 min Scan# 2097

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

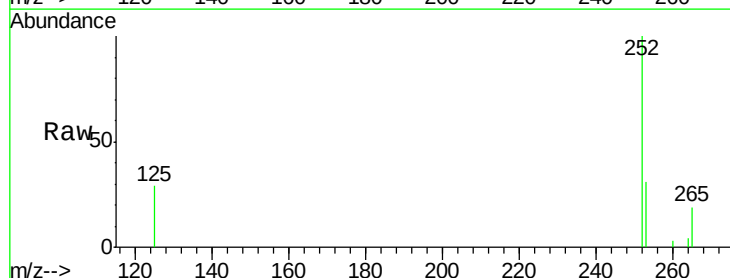
Tgt Ion:252 Resp: 5191

Ion Ratio Lower Upper

252 100

253 31.0 19.9 29.9#

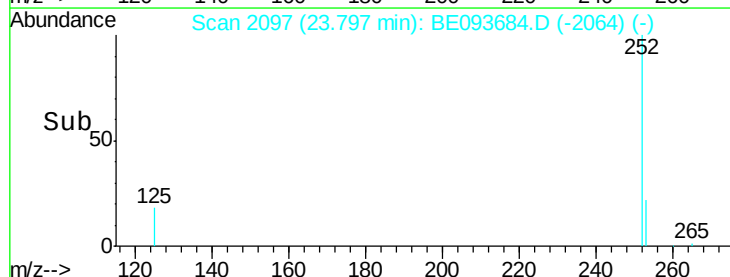
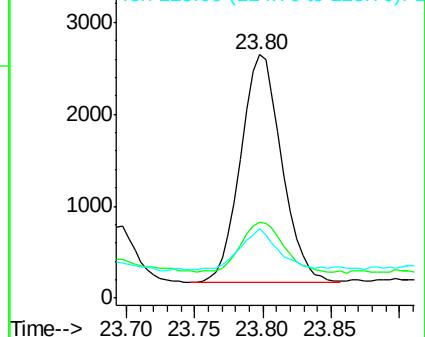
125 28.6 14.6 21.8#

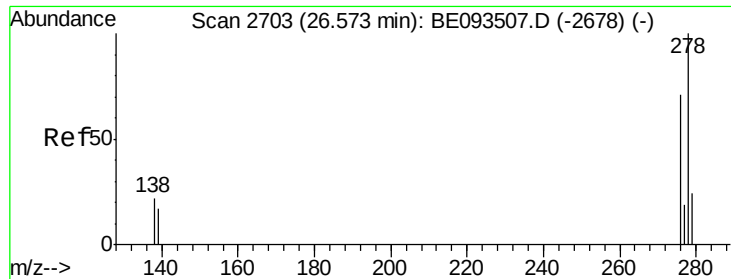


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.063 ng

RT: 26.57 min Scan# 2702

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

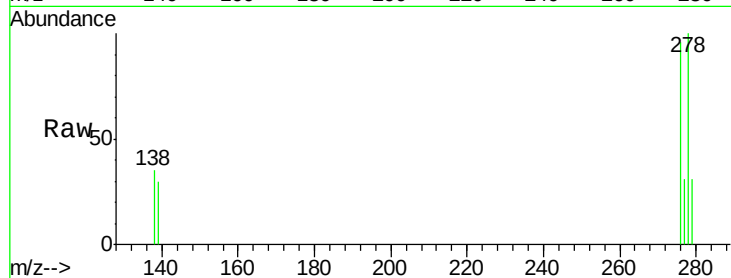
Tgt Ion:278 Resp: 3864

Ion Ratio Lower Upper

278 100

139 29.8 21.4 32.0

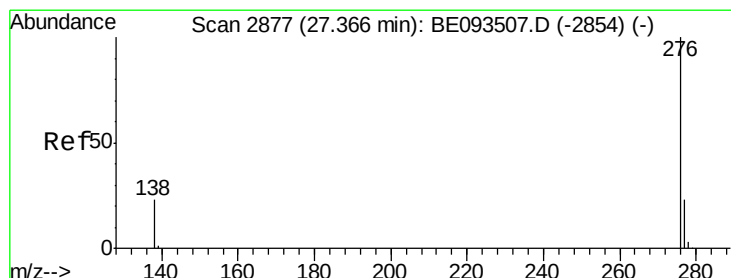
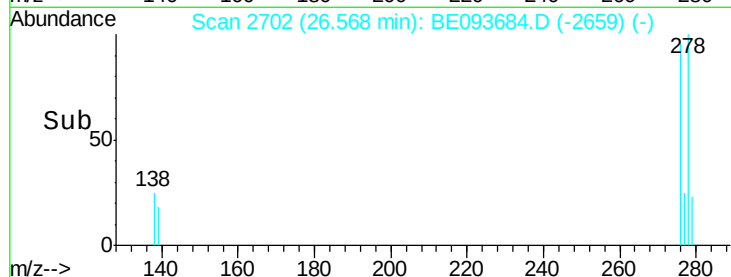
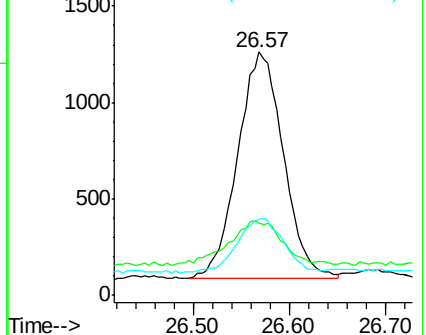
279 31.2 22.2 33.2



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: 0.076 ng

RT: 27.36 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

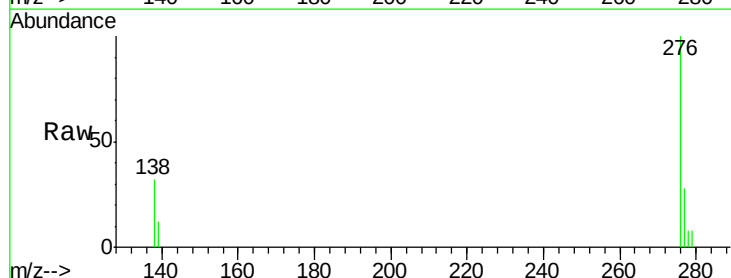
Tgt Ion:276 Resp: 4715

Ion Ratio Lower Upper

276 100

277 28.3 21.2 31.8

138 32.2 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

