

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 02:45:38 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						
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

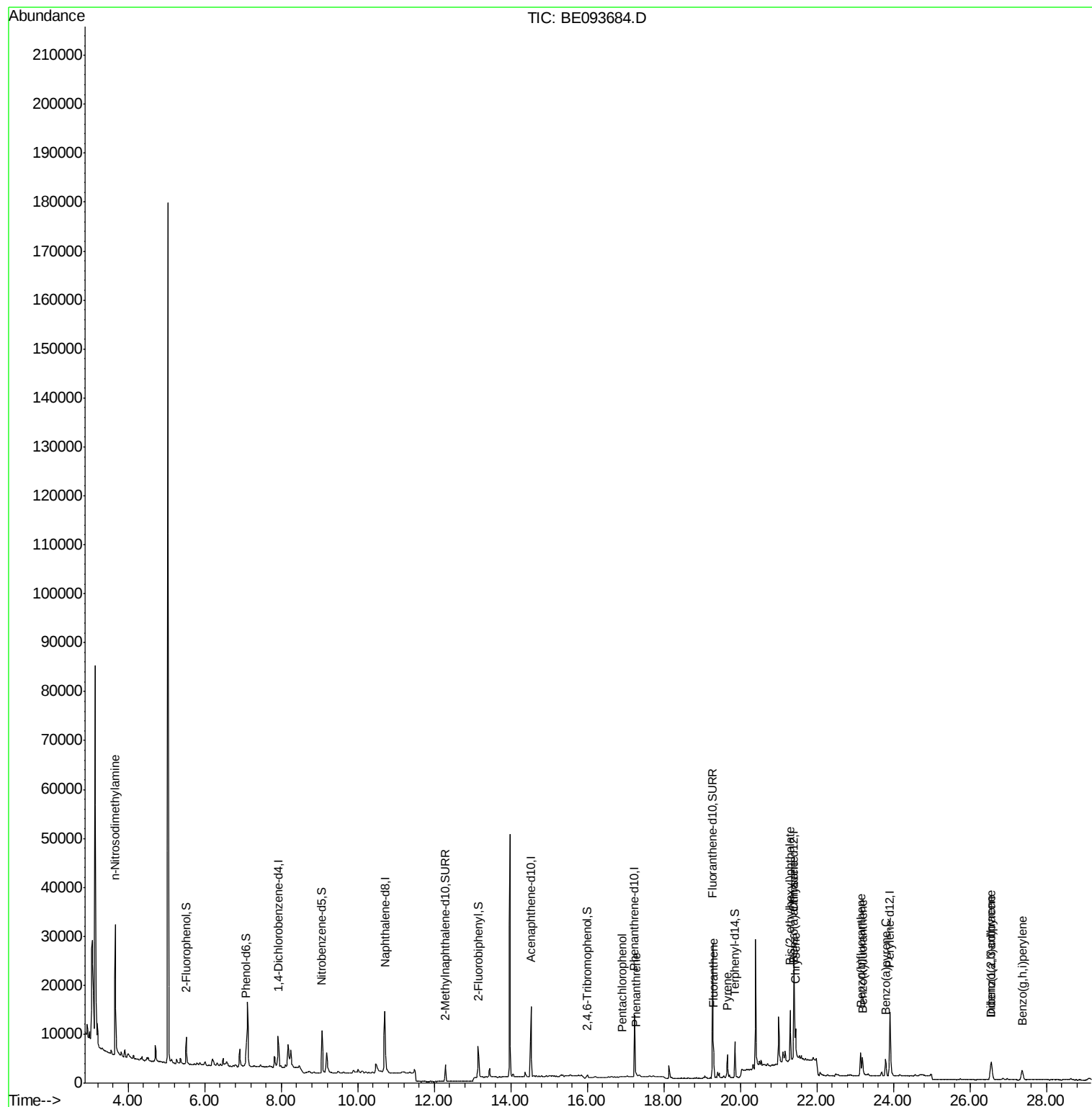
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.66	42	4763	1.032	ng	# 1
21) Hexachlorobenzene	16.58	284	2	Below Cal		# 100
22) Pentachlorophenol	16.91	266	23	0.156	ng	# 61
23) Phenanthrene	17.27	178	1054	0.023	ng	# 94
26) Fluoranthene	19.30	202	4361	0.061	ng	# 95
28) Pyrene	19.66	202	4316	0.062	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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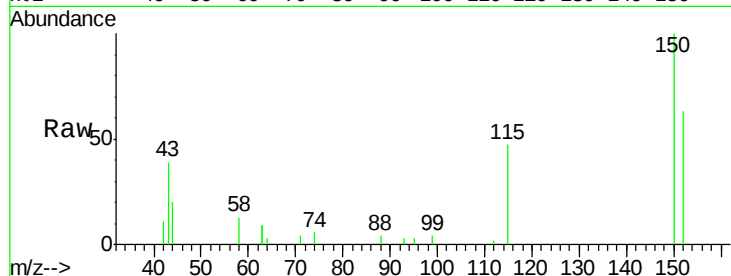


#1

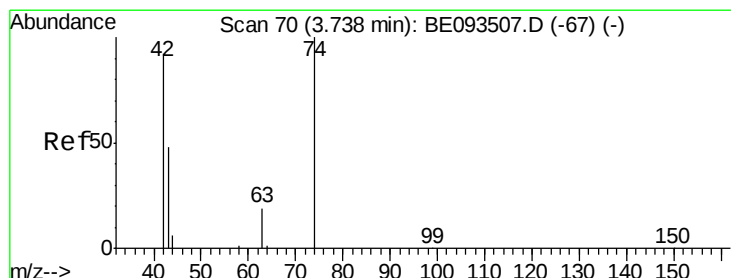
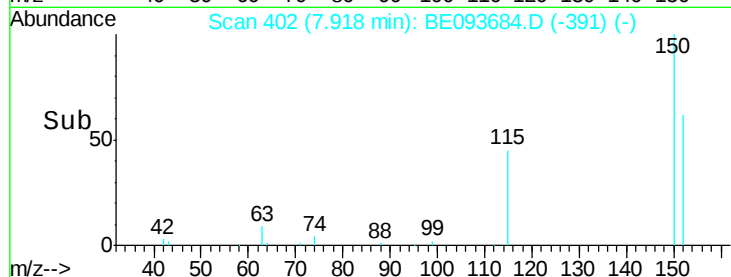
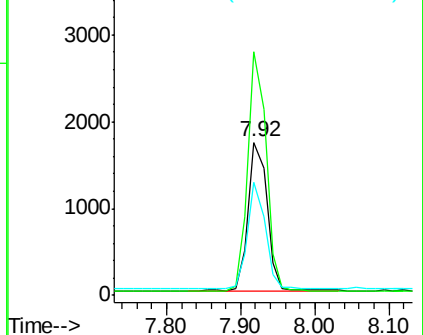
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093684.D
Acq: 5 Aug 2017 20:45

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



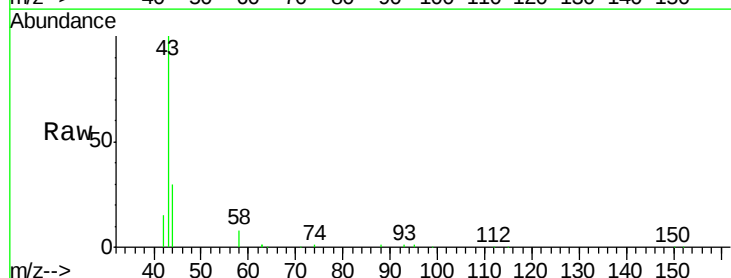
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



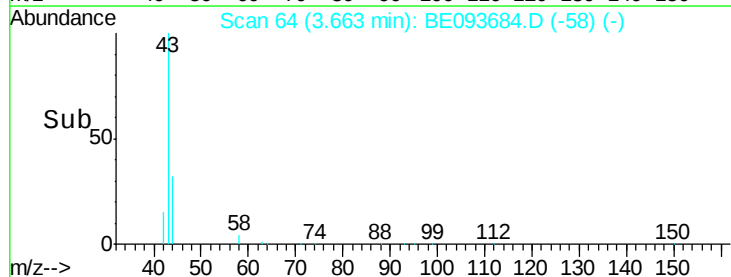
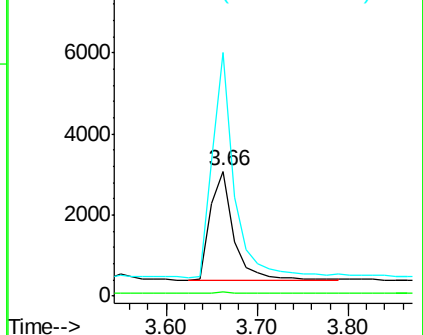
#3

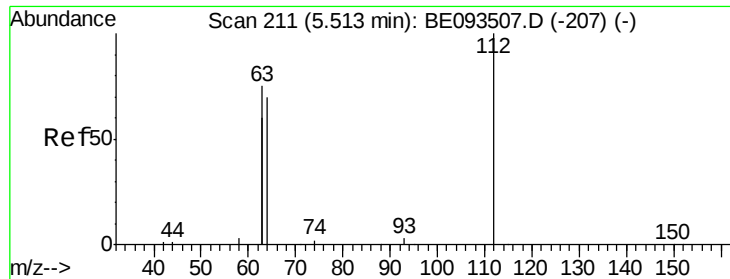
n-Nitrosodimethylamine
Concen: 1.032 ng
RT: 3.66 min Scan# 64
Delta R.T. -0.07 min
Lab File: BE093684.D
Acq: 5 Aug 2017 20:45

Tgt Ion: 42 Resp: 4763
Ion Ratio Lower Upper
42 100
74 1.2 99.1 148.7#
44 199.6 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: 0.308 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

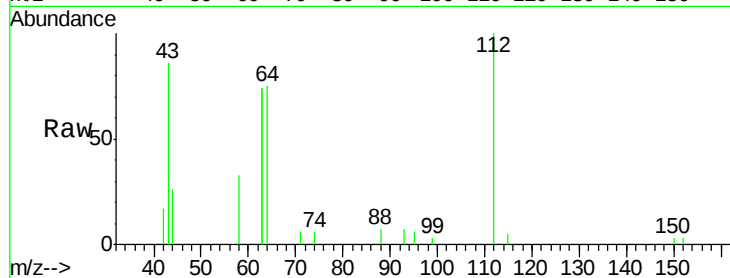
Tgt Ion: 112 Resp: 2793

Ion Ratio Lower Upper

112 100

64 75.4 56.4 84.6

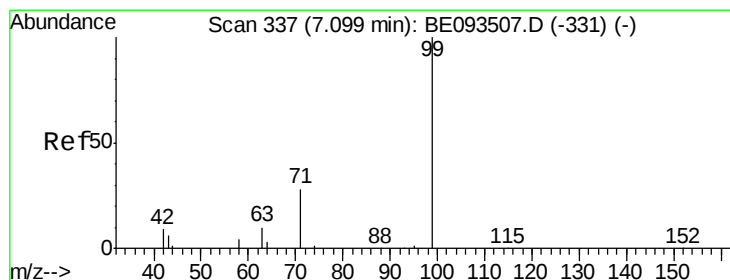
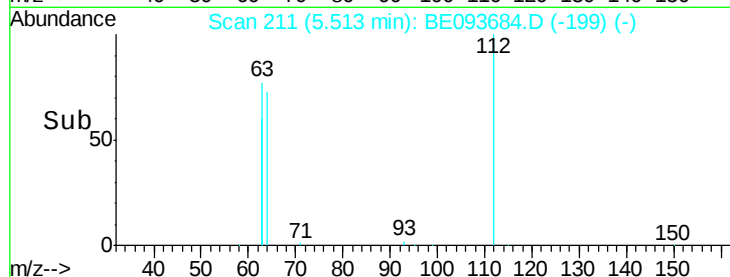
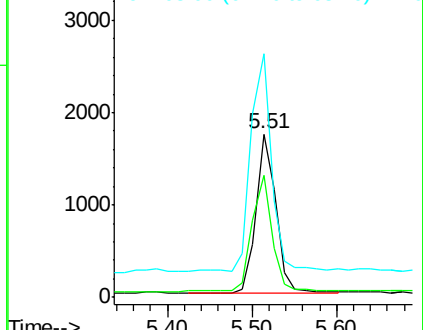
63 139.5 29.3 43.9#



Abundance Ion 112.00 (111.70 to 112.70): BE0

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

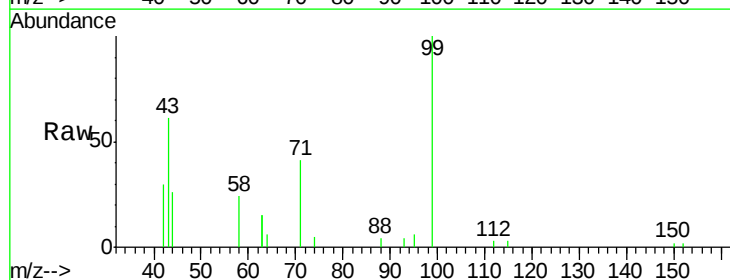
Tgt Ion: 99 Resp: 4327

Ion Ratio Lower Upper

99 100

42 34.1 0.0 0.0#

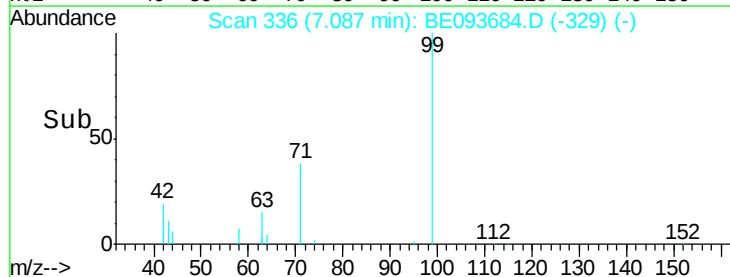
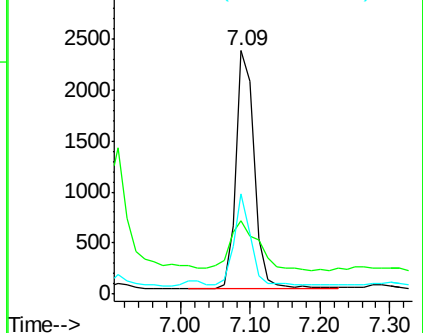
71 35.4 0.0 0.0#

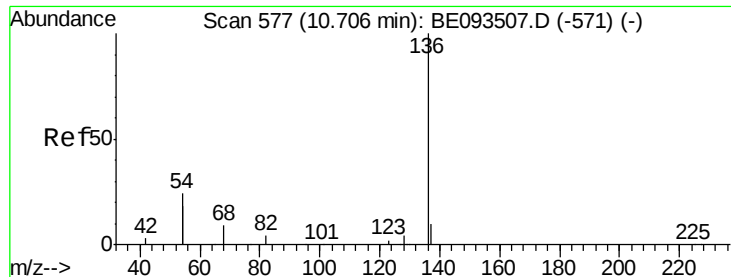


Abundance Ion 99.00 (98.70 to 99.70): BE0

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

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

Tgt Ion:136 Resp: 14719

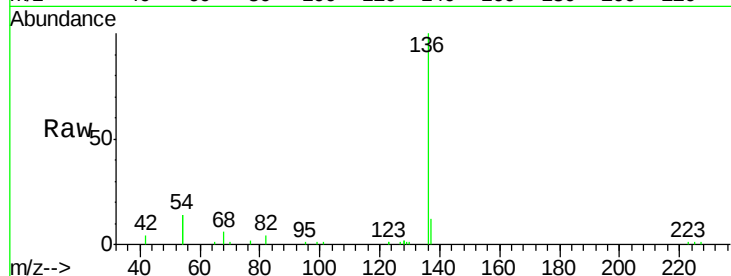
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 27.2 10.3 15.5#

68 6.0 9.0 13.4#

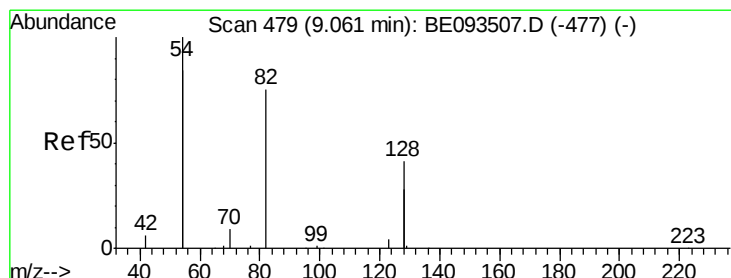
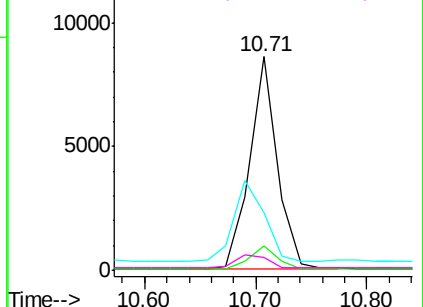
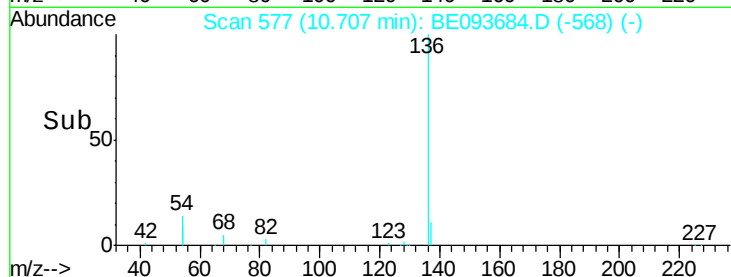


Abundance Ion 136.00 (135.70 to 136.70): E

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

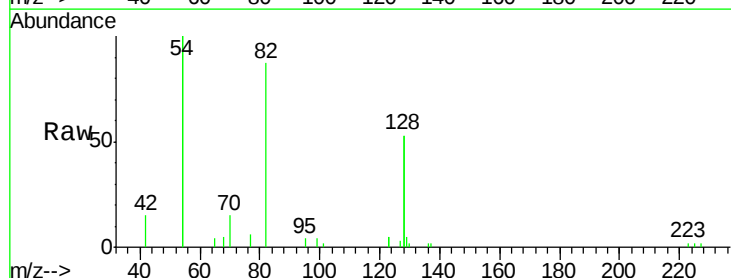
Tgt Ion: 82 Resp: 3487

Ion Ratio Lower Upper

82 100

128 121.2 17.0 25.4#

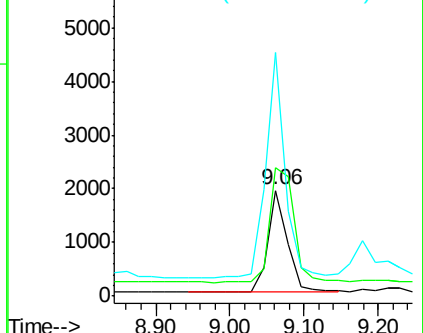
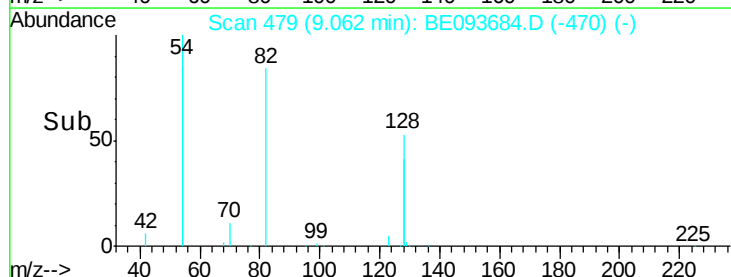
54 229.9 53.8 80.6#

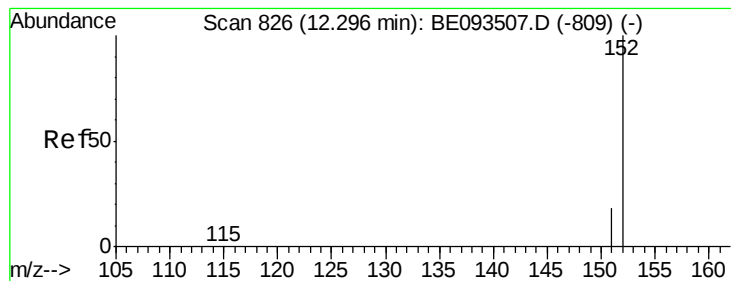


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

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

Instrument :

BNA_E

ClientSampleId :

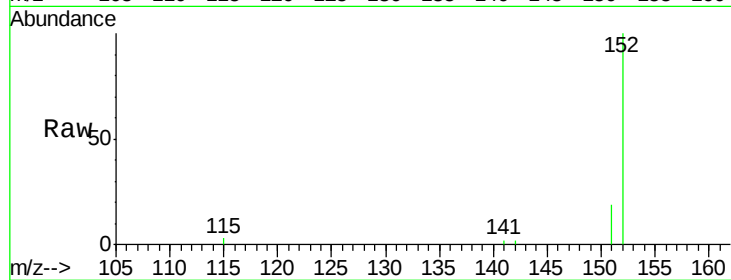
LASB-14A-1

Tgt Ion:152 Resp: 4617

Ion Ratio Lower Upper

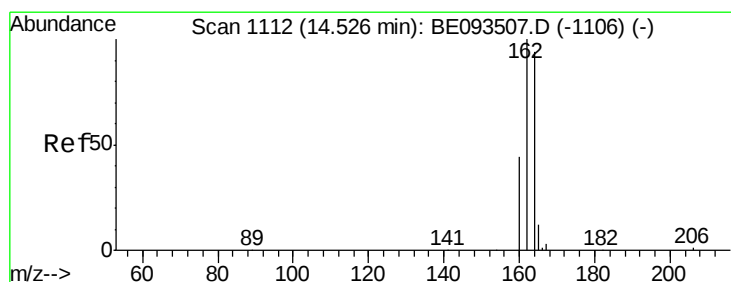
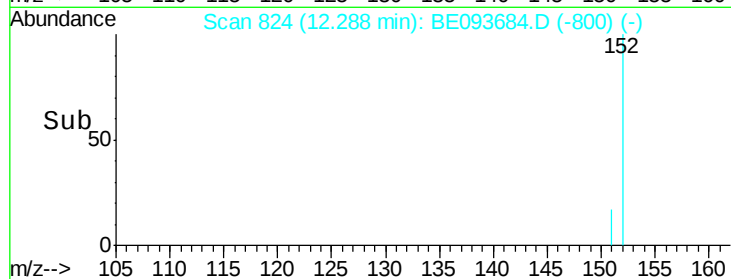
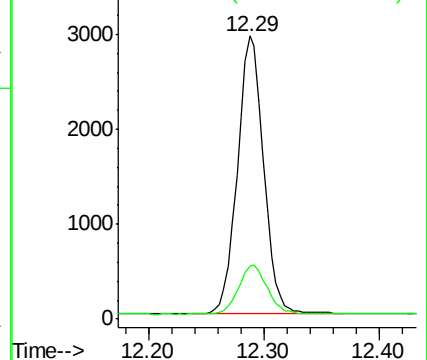
152 100

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

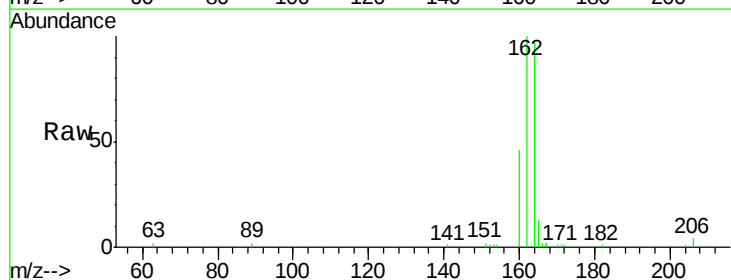
Tgt Ion:164 Resp: 8311

Ion Ratio Lower Upper

164 100

162 102.7 84.6 127.0

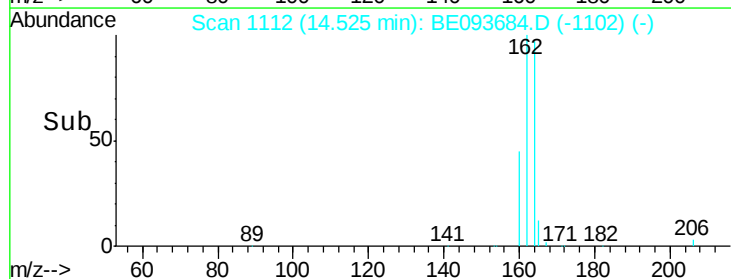
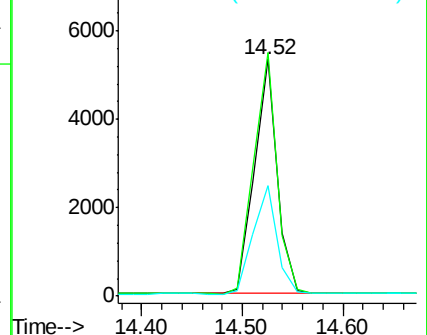
160 46.8 41.8 62.6

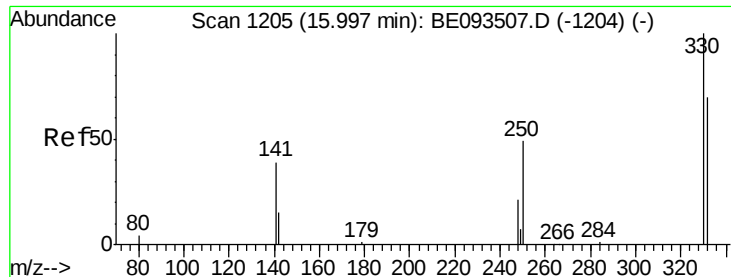


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

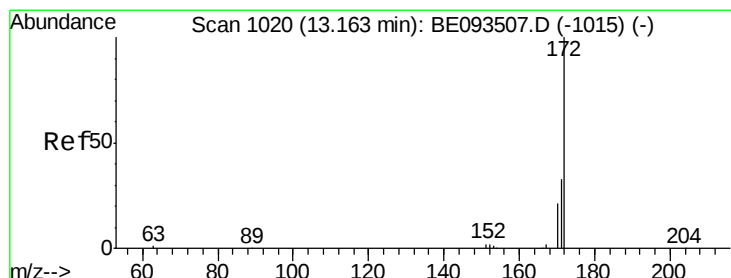
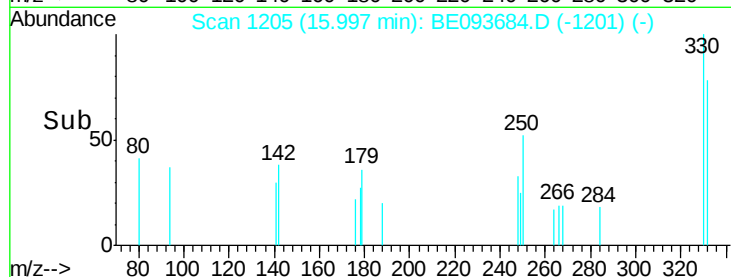
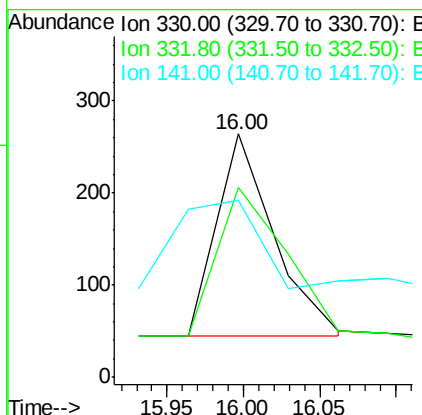
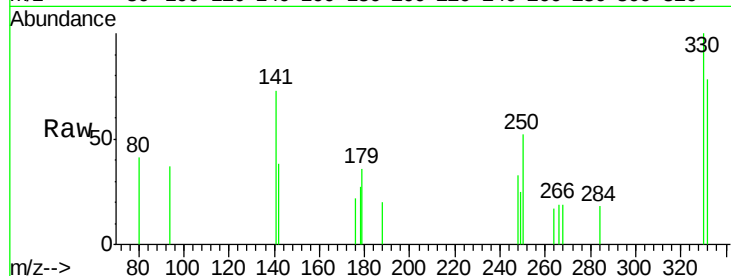




#14
 2,4,6-Tribromophenol
 Concen: 0.334 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

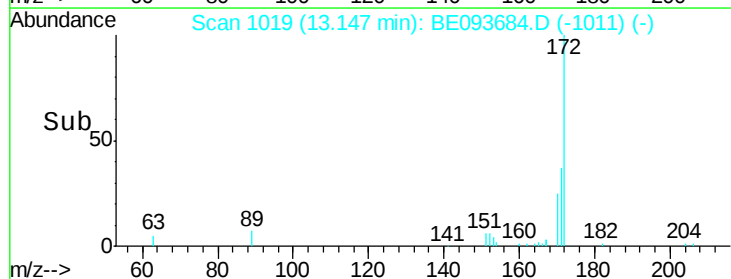
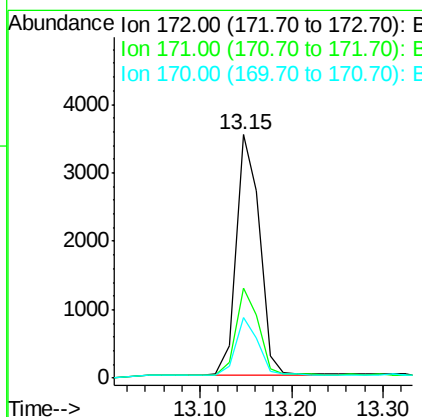
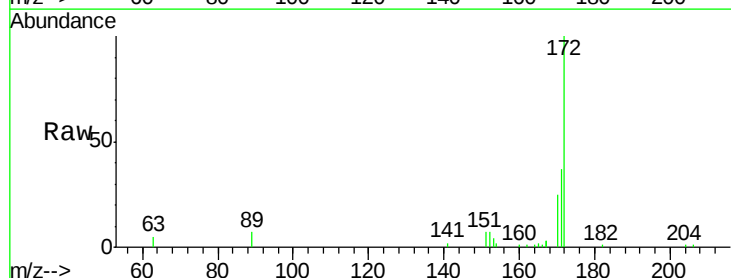
Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

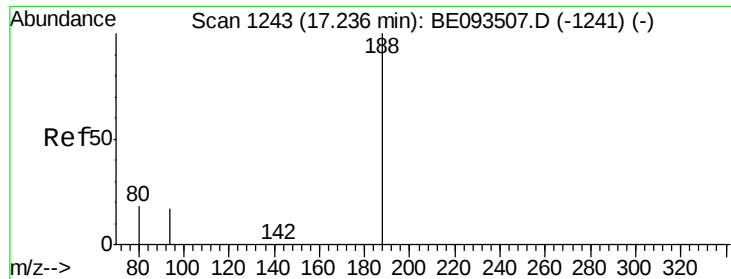
Tgt Ion: 330 Resp: 565
 Ion Ratio Lower Upper
 330 100
 332 88.3 77.7 116.5
 141 63.0 56.2 84.4



#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

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





#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

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

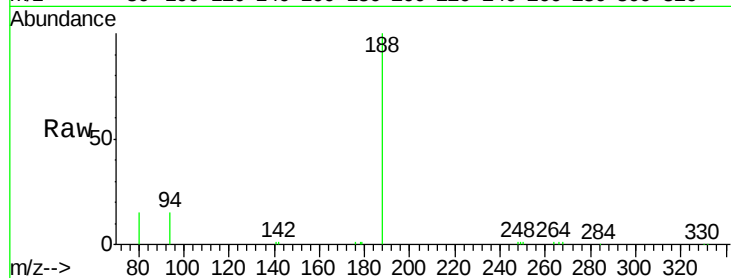
Tgt Ion:188 Resp: 20427

Ion Ratio Lower Upper

188 100

94 14.8 11.3 16.9

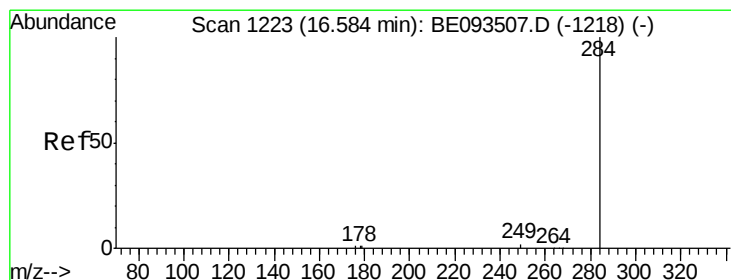
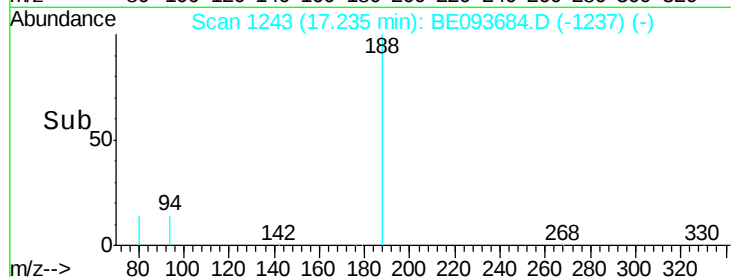
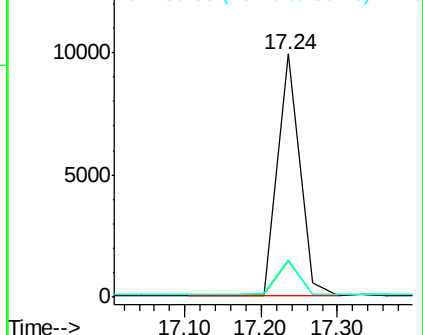
80 15.4 11.7 17.5



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

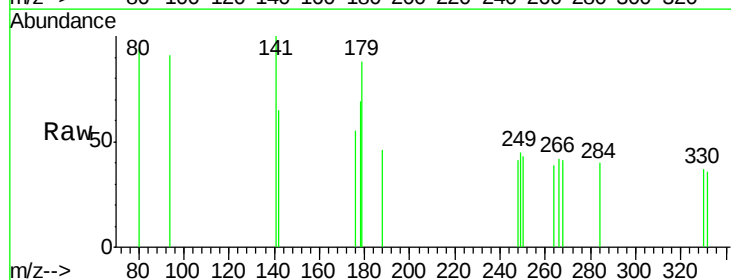
Tgt Ion:284 Resp: 2

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

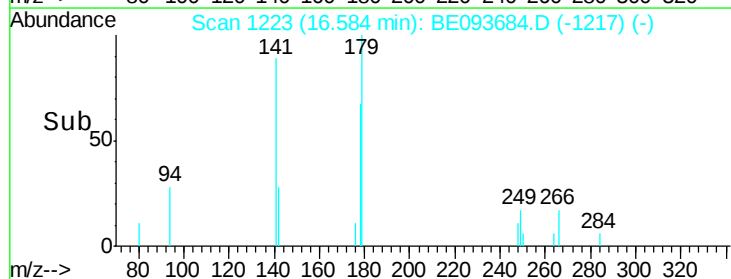
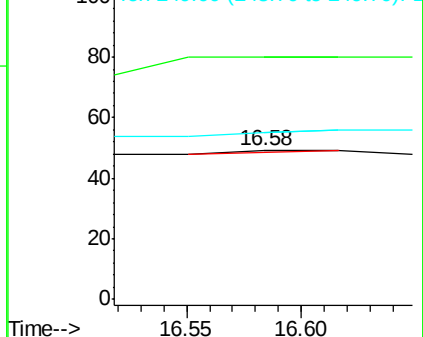
249 0.0 0.0 0.0

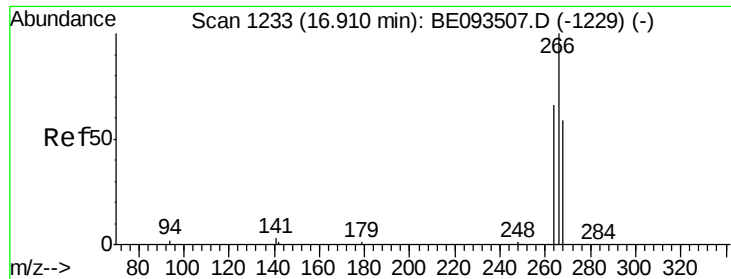


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

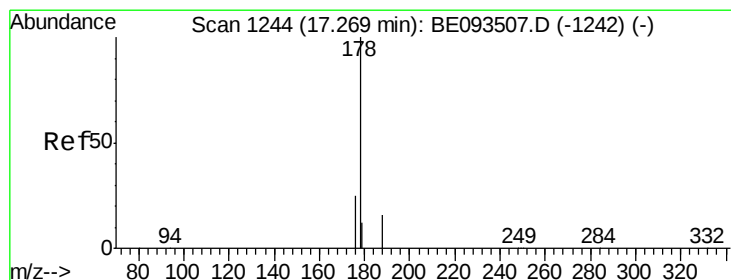
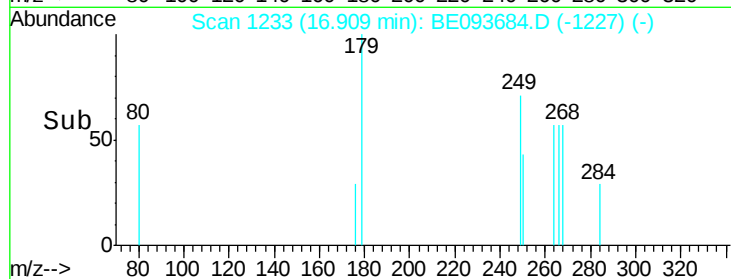
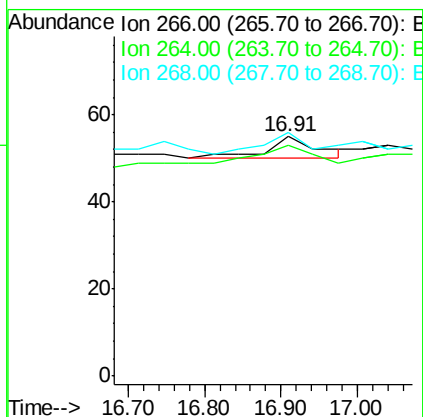
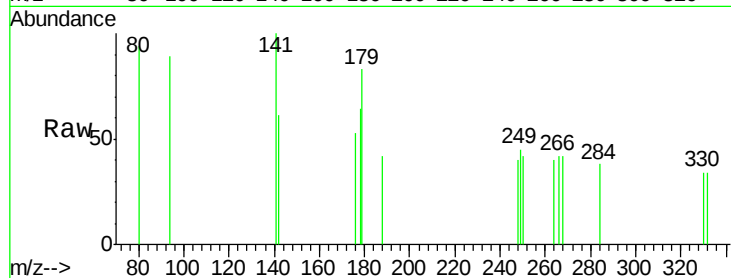




#22
 Pentachlorophenol
 Concen: 0.156 ng
 RT: 16.91 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BE093684.D
 Acq: 5 Aug 2017 20:45

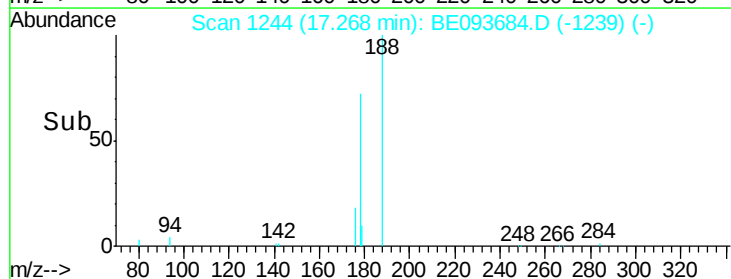
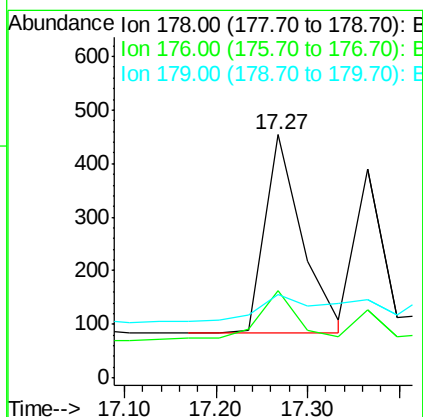
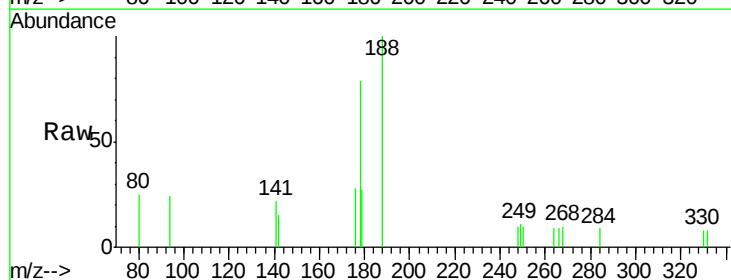
Instrument :
 BNA_E
 ClientSampleId :
 LASB-14A-1

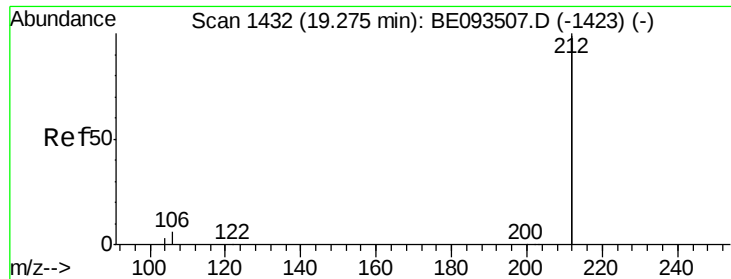
Tgt Ion: 266 Resp: 23
 Ion Ratio Lower Upper
 266 100
 264 96.4 56.0 84.0#
 268 101.8 52.0 78.0#



#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

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





#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

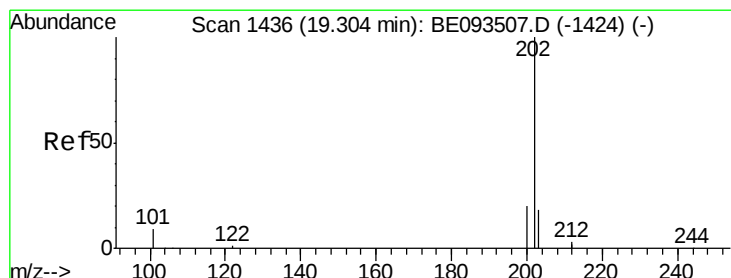
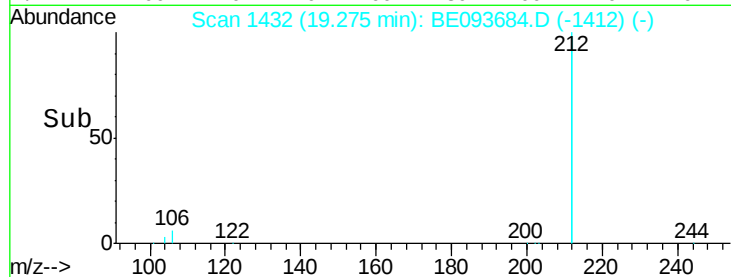
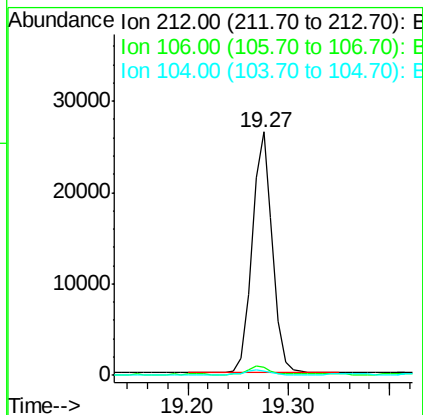
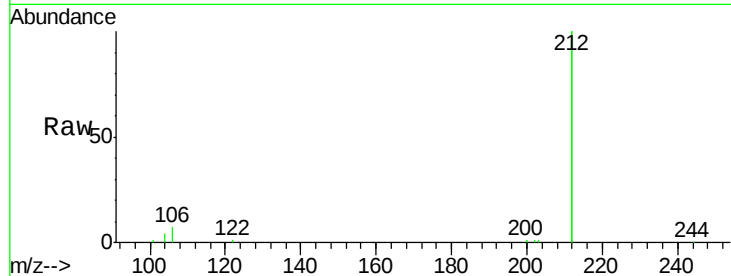
Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

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



#26

Fluoranthene

Concen: 0.061 ng

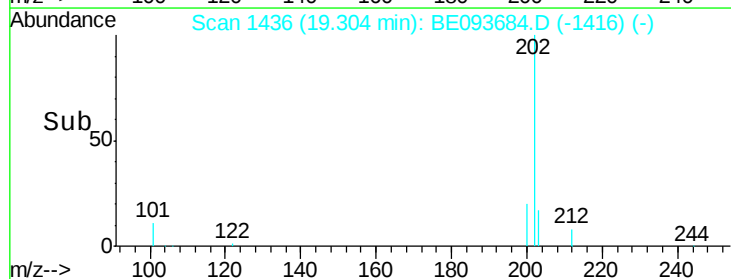
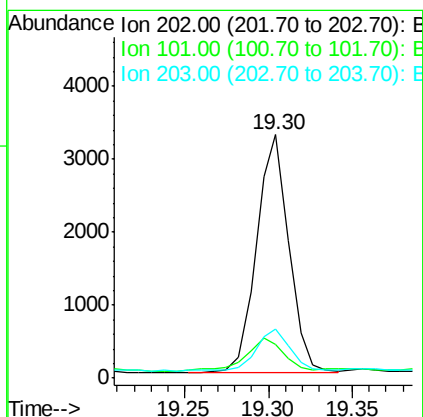
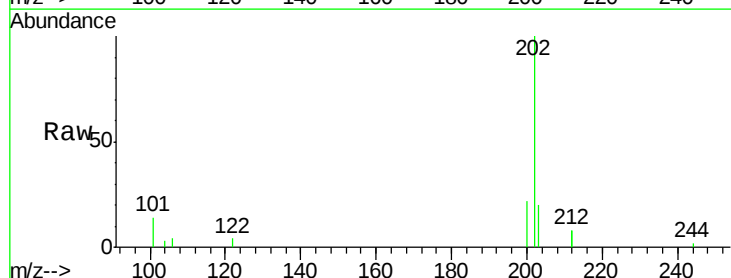
RT: 19.30 min Scan# 1436

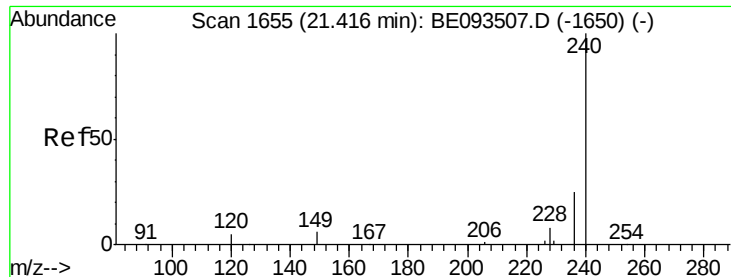
Delta R.T. 0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

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

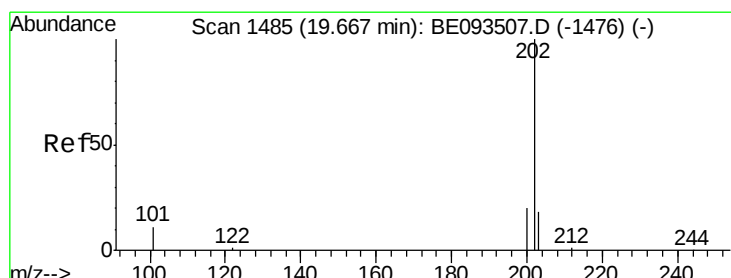
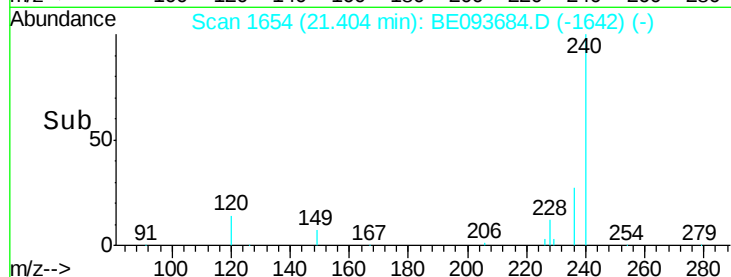
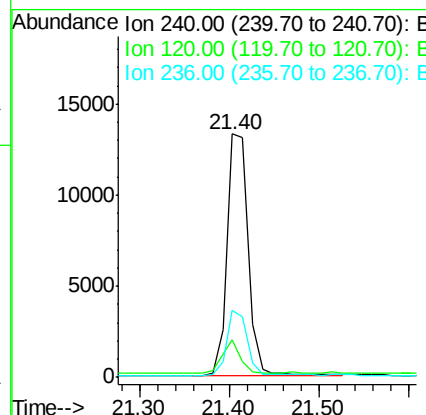
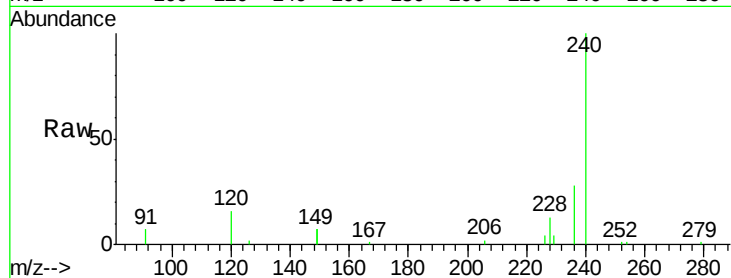




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE093684.D
Acq: 5 Aug 2017 20:45

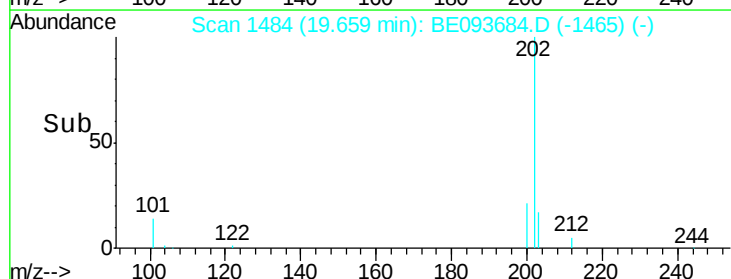
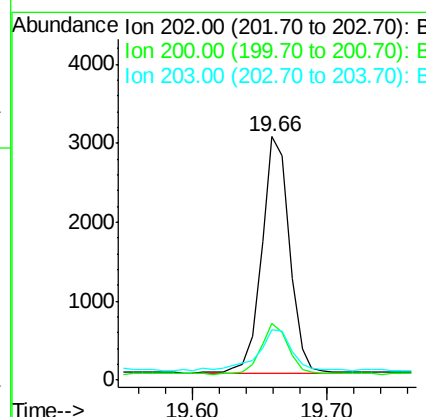
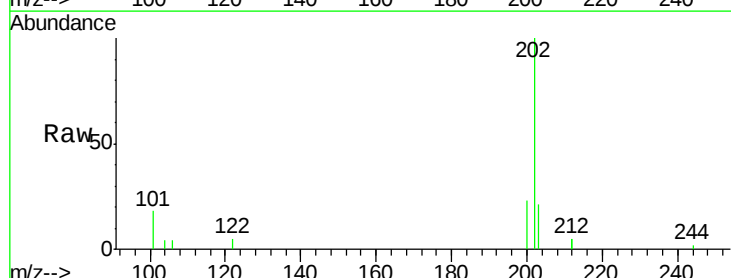
Instrument :
BNA_E
ClientSampleId :
LASB-14A-1

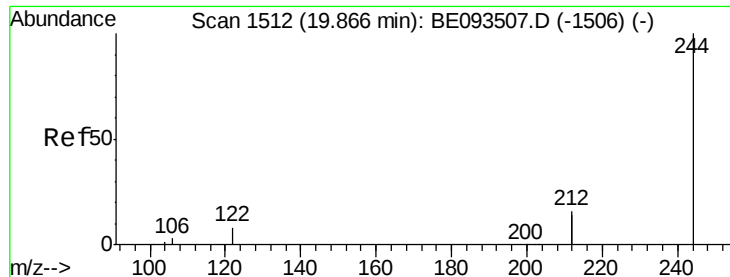
Tgt Ion:240 Resp: 21693
Ion Ratio Lower Upper
240 100
120 15.5 4.6 7.0#
236 27.6 20.8 31.2



#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

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#





#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

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

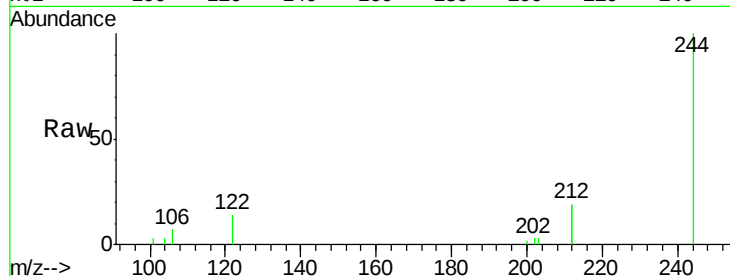
Tgt Ion:244 Resp: 6097

Ion Ratio Lower Upper

244 100

212 38.4 10.6 16.0#

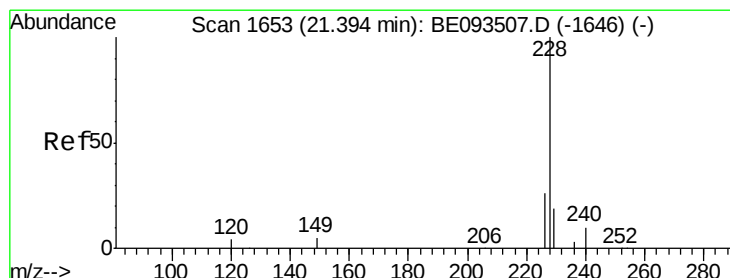
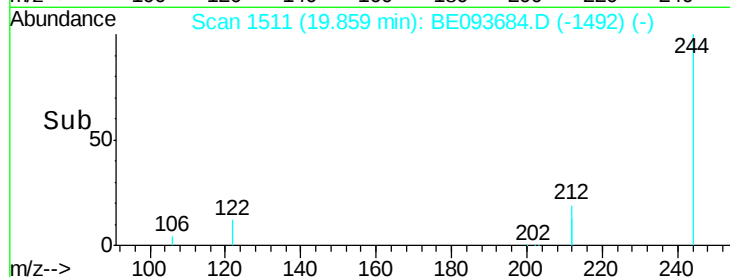
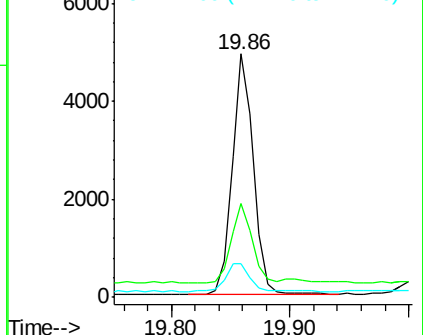
122 13.9 15.4 23.0#



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

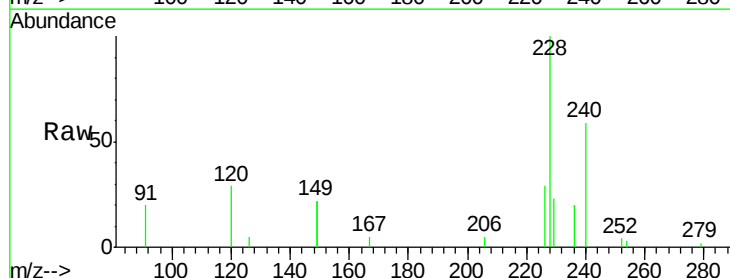
Tgt Ion:228 Resp: 5940

Ion Ratio Lower Upper

228 100

226 29.3 19.7 29.5

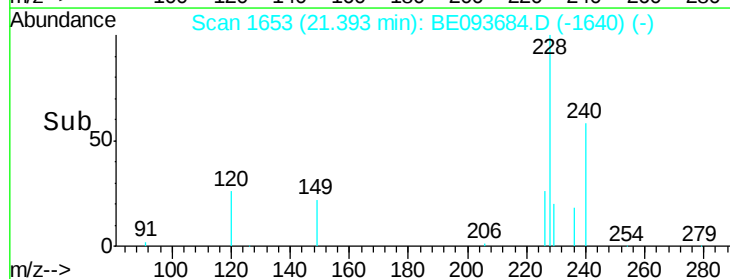
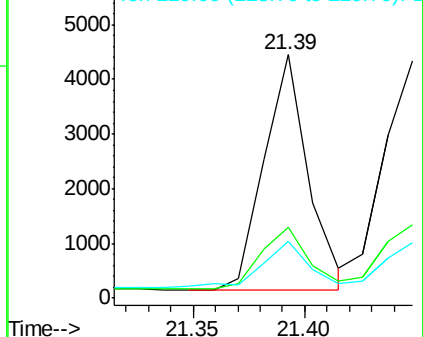
229 23.5 19.2 28.8

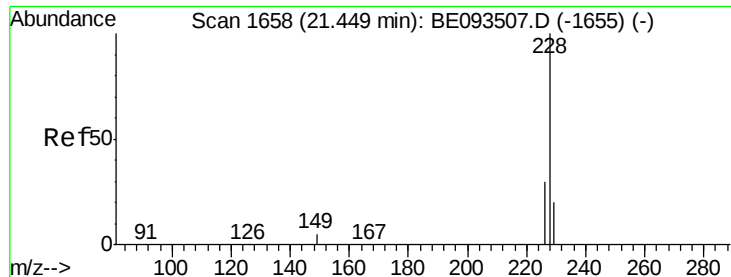


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

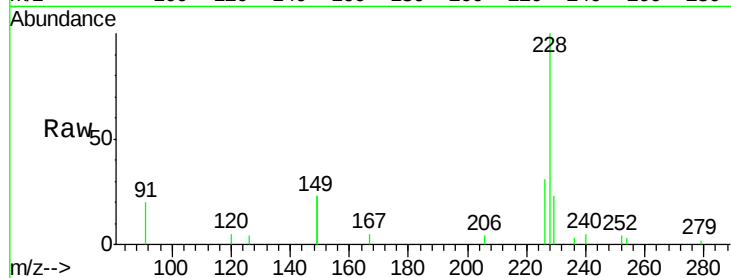
Tgt Ion:228 Resp: 6132

Ion Ratio Lower Upper

228 100

226 30.6 21.5 32.3

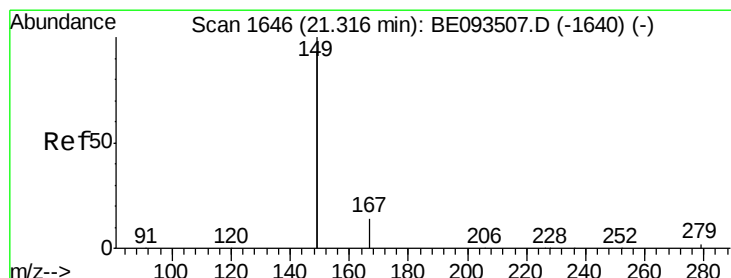
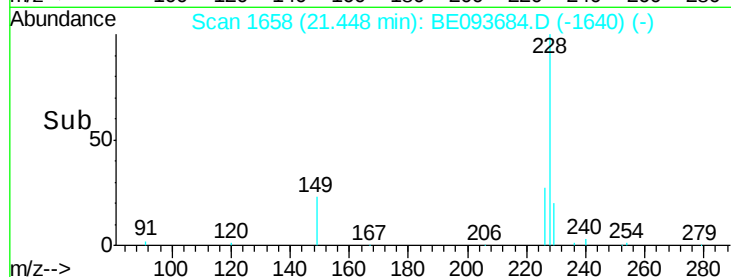
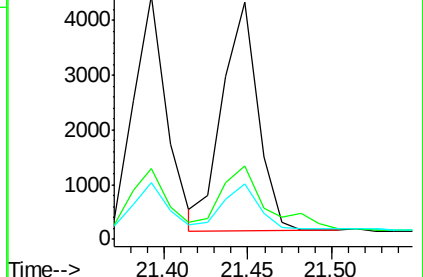
229 23.5 18.6 28.0



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

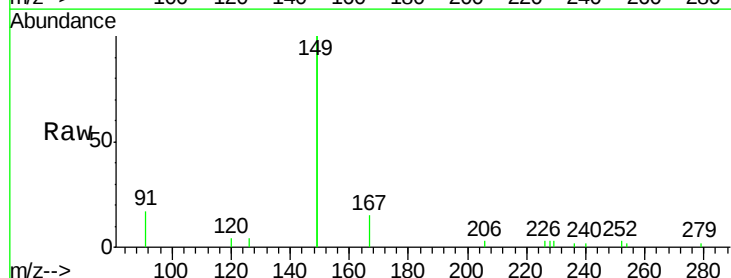
Tgt Ion:149 Resp: 11957

Ion Ratio Lower Upper

149 100

167 7.2 4.8 7.2#

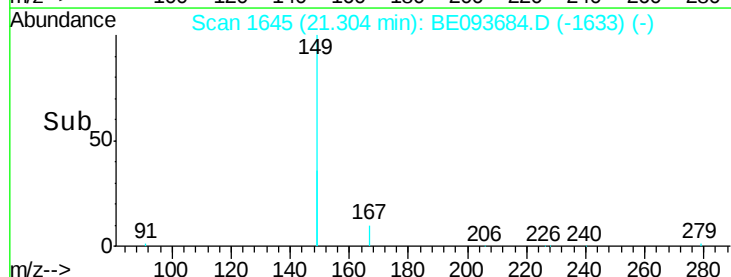
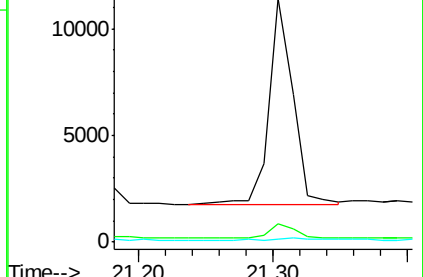
279 1.4 0.8 1.2#

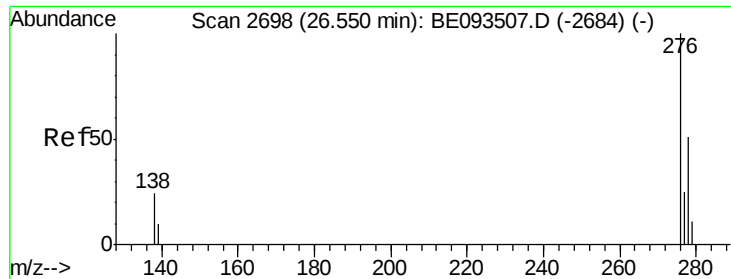


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.084 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

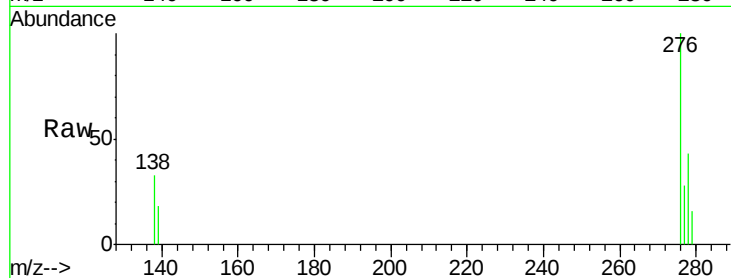
Tgt Ion:276 Resp: 5421

Ion Ratio Lower Upper

276 100

138 29.3 27.4 41.2

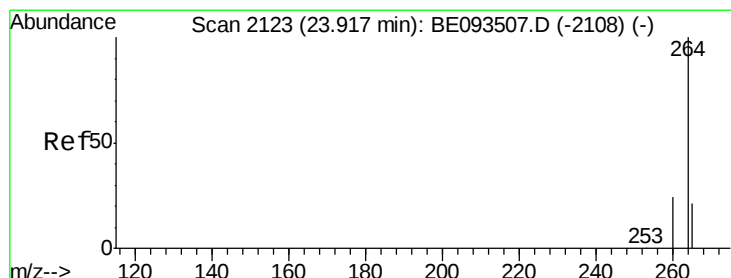
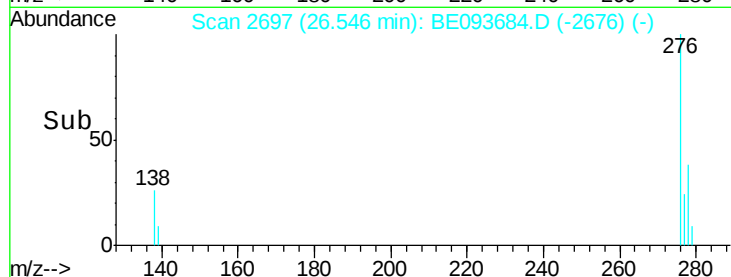
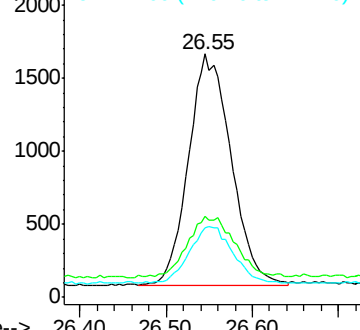
277 24.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

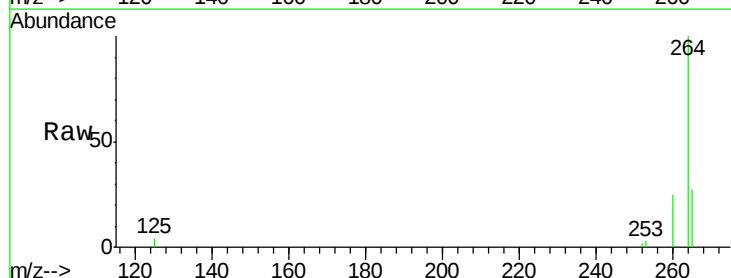
Tgt Ion:264 Resp: 19593

Ion Ratio Lower Upper

264 100

260 25.2 21.0 31.4

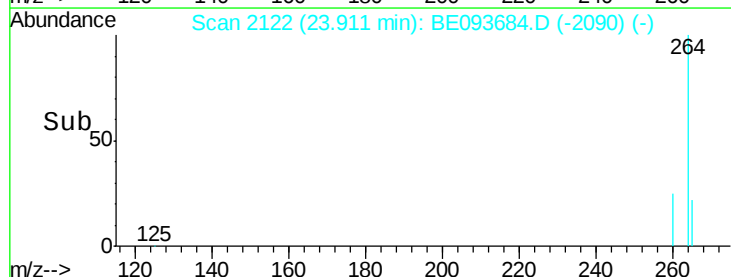
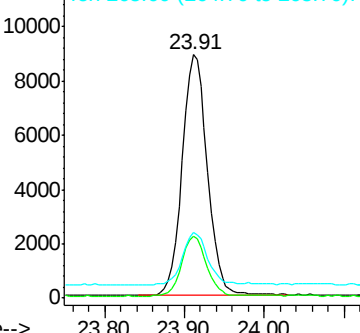
265 27.1 24.6 36.8

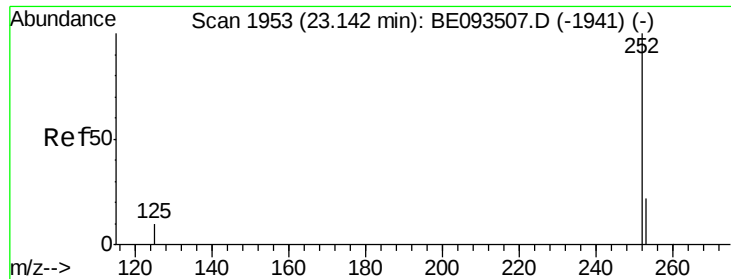


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.095 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE093684.D

Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

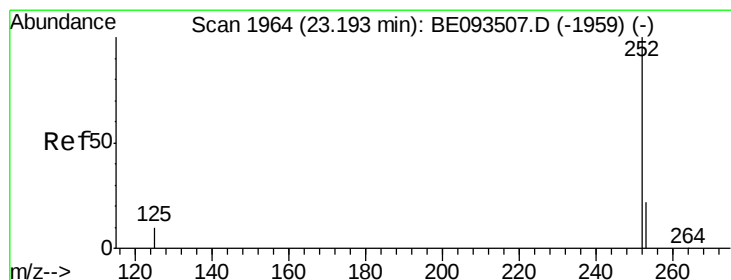
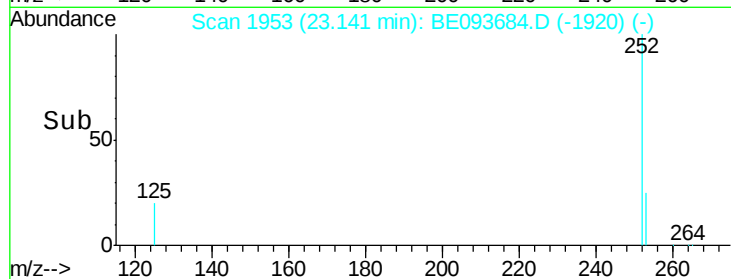
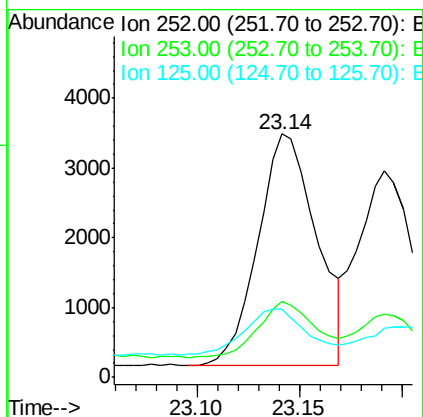
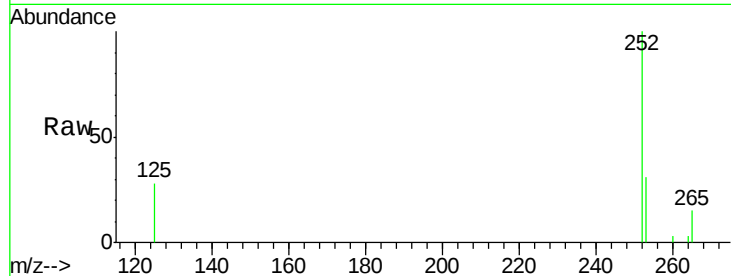
Tgt Ion:252 Resp: 6610

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

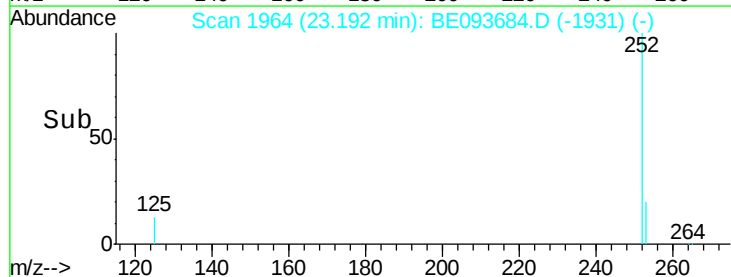
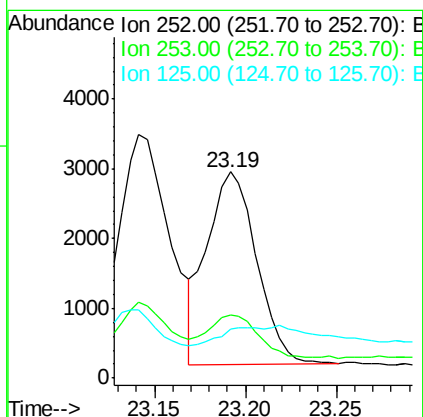
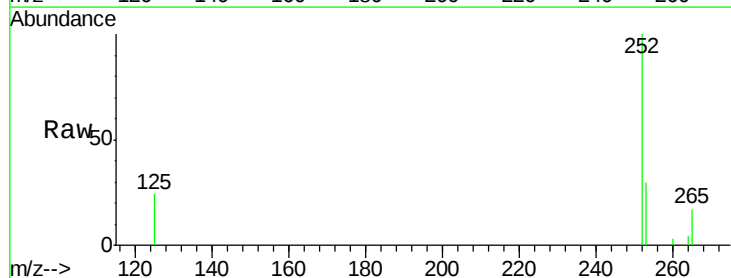
Tgt Ion:252 Resp: 5263

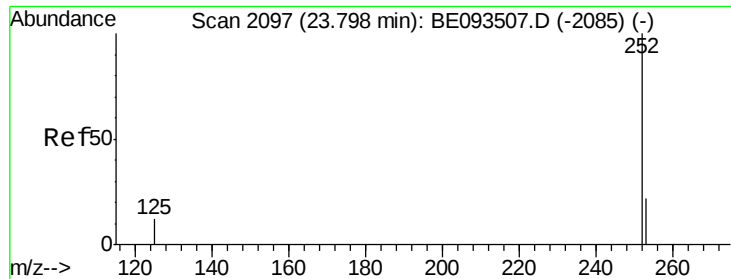
Ion Ratio Lower Upper

252 100

253 30.4 20.3 30.5

125 23.6 12.2 18.4#





#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

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1

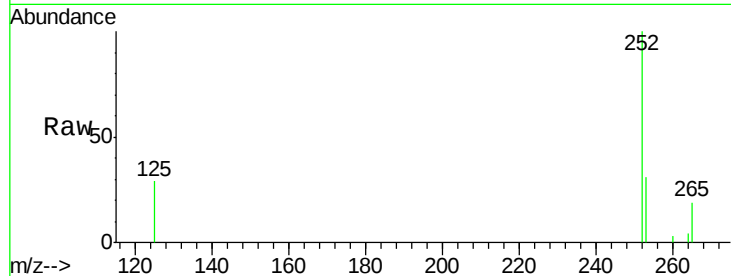
Tgt Ion: 252 Resp: 5191

Ion Ratio Lower Upper

252 100

253 31.0 19.9 29.9#

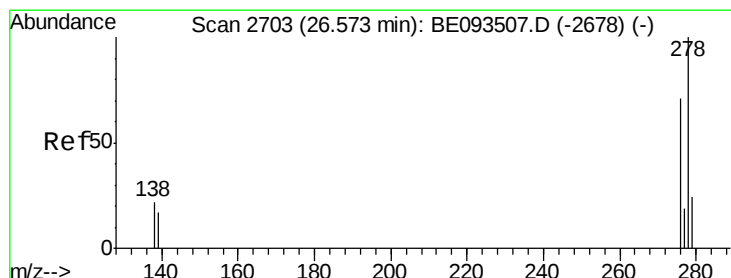
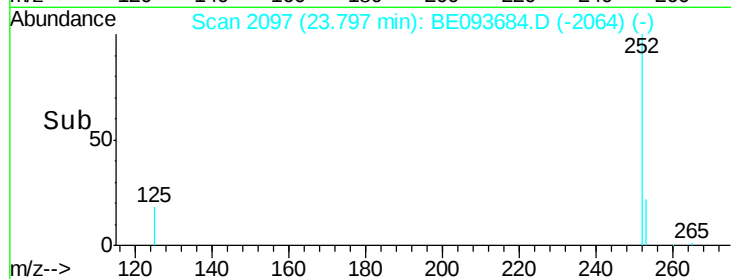
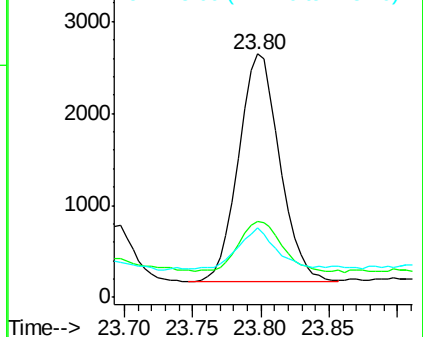
125 28.6 14.6 21.8#



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

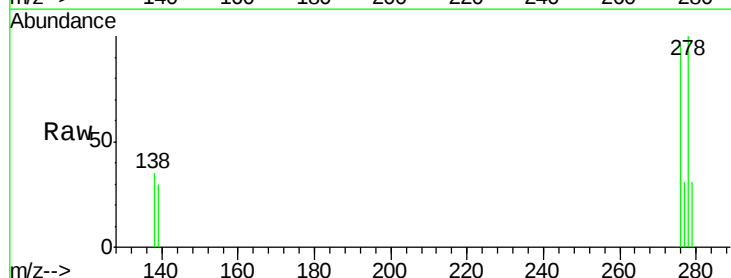
Tgt Ion: 278 Resp: 3864

Ion Ratio Lower Upper

278 100

139 29.8 21.4 32.0

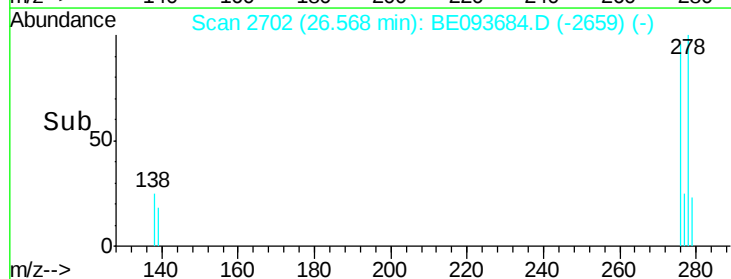
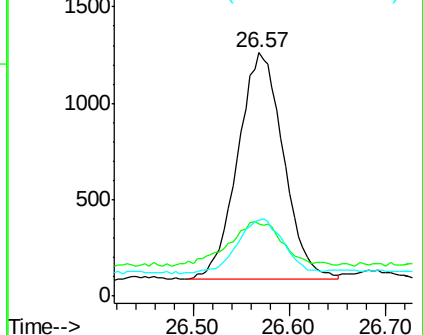
279 31.2 22.2 33.2

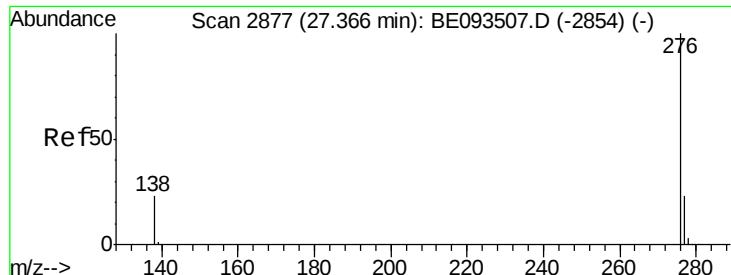


Abundance Ion 278.00 (277.70 to 278.70): E

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

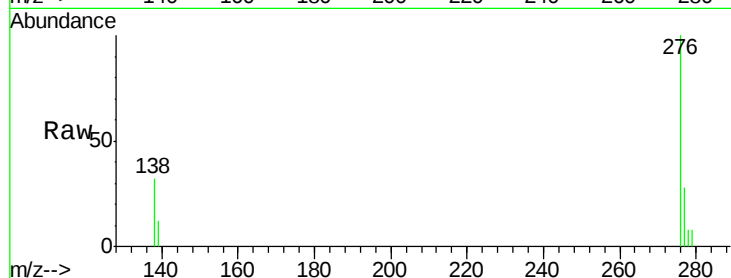
Acq: 5 Aug 2017 20:45

Instrument :

BNA_E

ClientSampleId :

LASB-14A-1



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

