

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093690.D
 Acq On : 6 Aug 2017 00:26
 Operator : SJ/JU
 Sample : I4427-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-19A-1

Quant Time: Aug 06 02:47:36 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	3116	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	16058	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	9092	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	22232	0.40	ng	0.00
27) Chrysene-d12	21.41	240	23121	0.40	ng	-0.01
34) Perylene-d12	23.92	264	21115	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	2419	0.26	ng	0.00
5) Phenol-d6	7.09	99	3801	0.27	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3188	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5430	0.21	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	528	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7445	0.20	ng	-0.02
25) Fluoranthene-d10	19.27	212	50550	0.20	ng	0.00
29) Terphenyl-d14	19.86	244	9387	0.23	ng	0.00

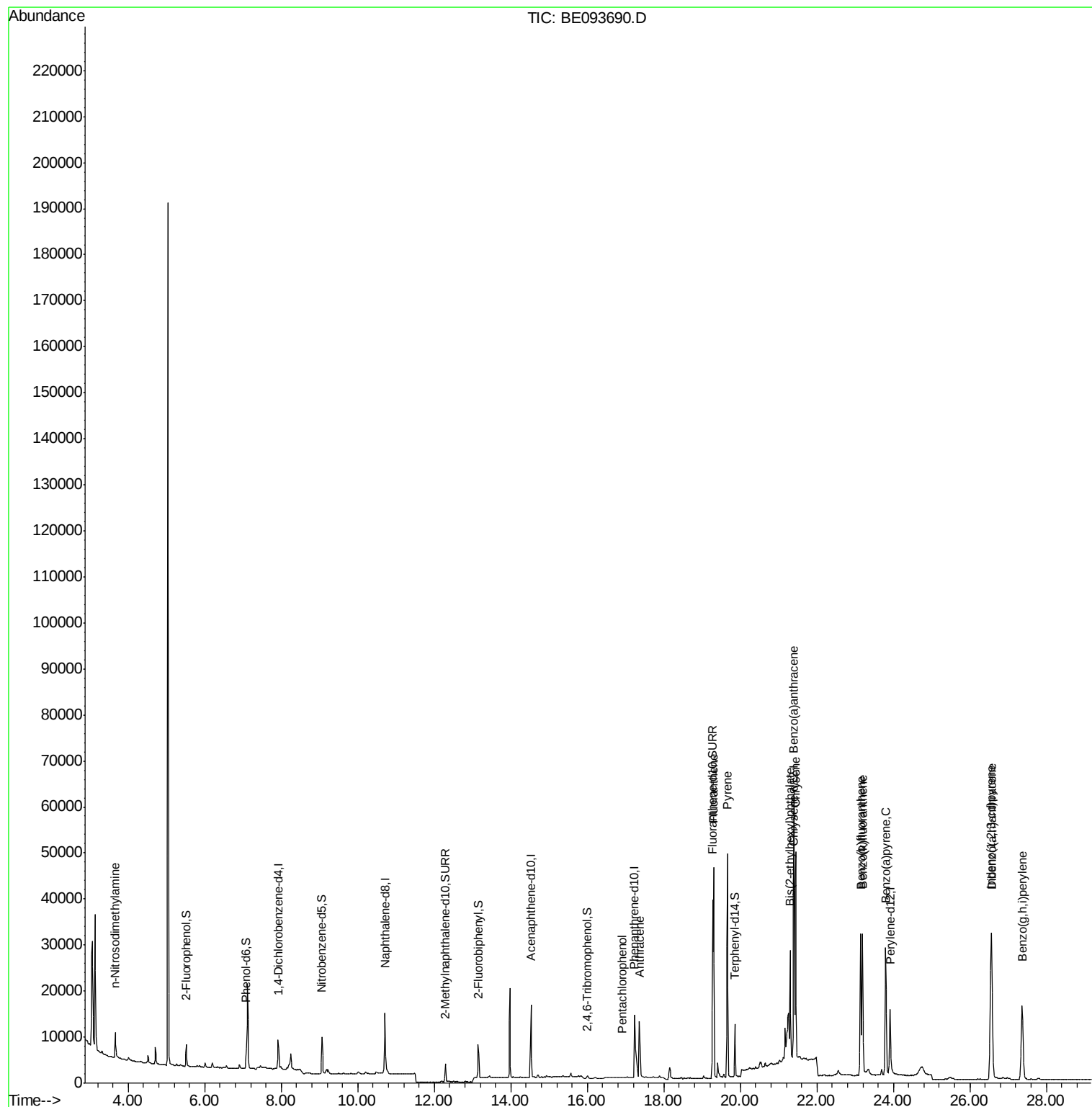
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.66	42	1323	0.280	ng	# 1
22) Pentachlorophenol	16.91	266	12	0.153	ng	# 61
24) Anthracene	17.37	178	30041	0.449	ng	# 91
26) Fluoranthene	19.30	202	44073	0.566	ng	98
28) Pyrene	19.66	202	45547	0.610	ng	# 97
30) Benzo(a)anthracene	21.39	228	47545	0.700	ng	95
31) Chrysene	21.45	228	45190	0.596	ng	96
32) Bis(2-ethylhexyl)phthalate	21.31	149	24649	0.266	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.55	276	45560	0.664	ng	93
35) Benzo(b)fluoranthene	23.14	252	45320	0.602	ng	# 96
36) Benzo(k)fluoranthene	23.19	252	42532	0.552	ng	94
37) Benzo(a)pyrene	23.80	252	43043	0.631	ng	96
38) Dibenzo(a,h)anthracene	26.57	278	37526	0.570	ng	# 90
39) Benzo(g,h,i)perylene	27.37	276	38710	0.579	ng	94

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
Data File : BE093690.D
Acq On : 6 Aug 2017 00:26
Operator : SJ/JU
Sample : I4427-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LASB-19A-1

Quant Time: Aug 06 02:47:36 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.01 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

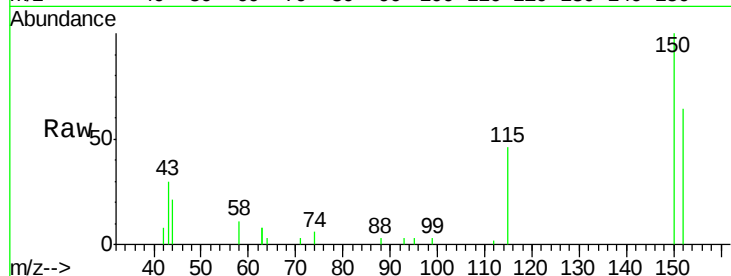
Tgt Ion:152 Resp: 3116

Ion Ratio Lower Upper

152 100

150 157.2 125.1 187.7

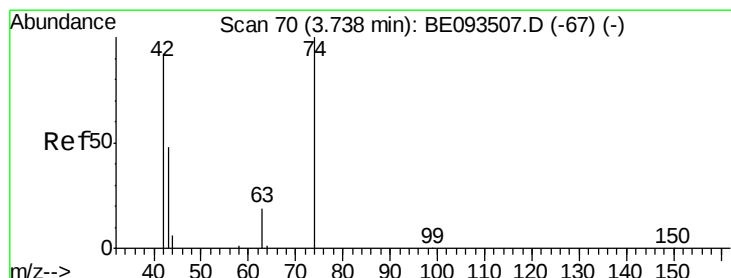
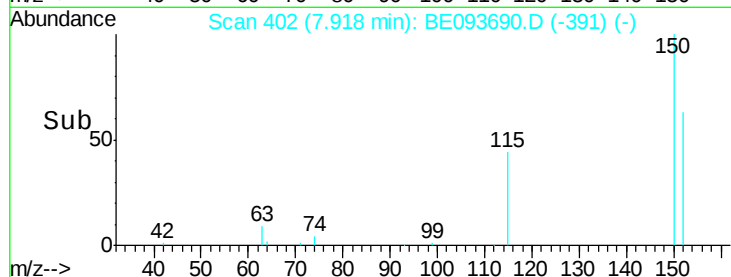
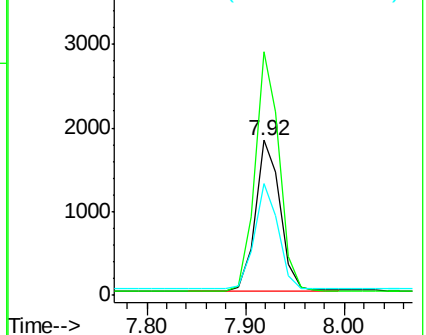
115 71.9 55.7 83.5



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: 0.280 ng

RT: 3.66 min Scan# 64

Delta R.T. -0.07 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

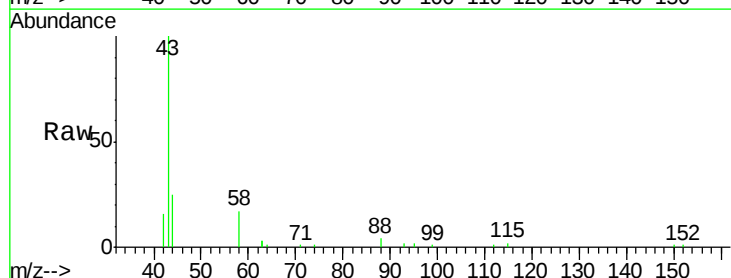
Tgt Ion: 42 Resp: 1323

Ion Ratio Lower Upper

42 100

74 1.2 99.1 148.7#

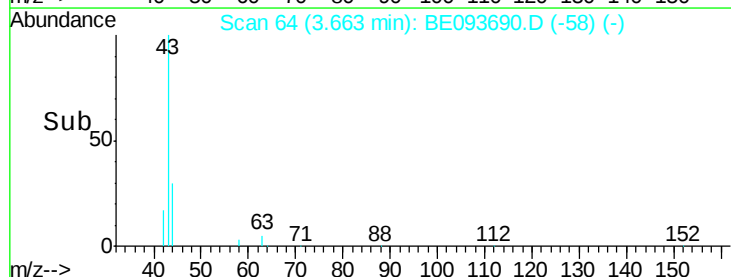
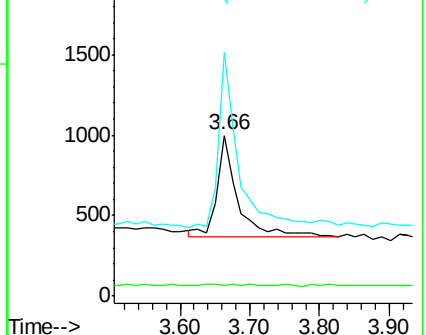
44 162.0 7.4 11.2#

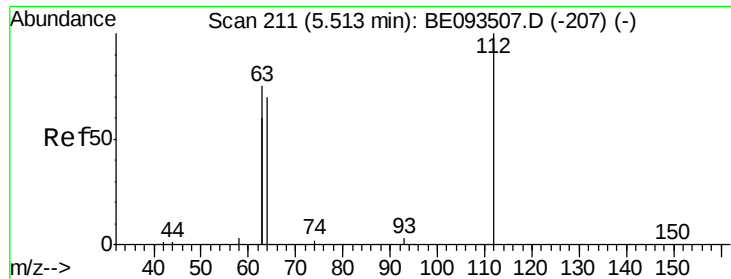


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.261 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

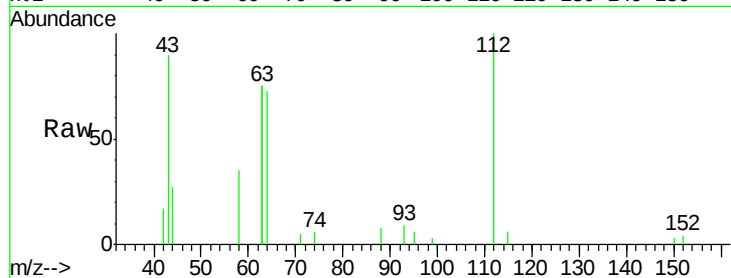
Tgt Ion: 112 Resp: 2419

Ion Ratio Lower Upper

112 100

64 72.8 56.4 84.6

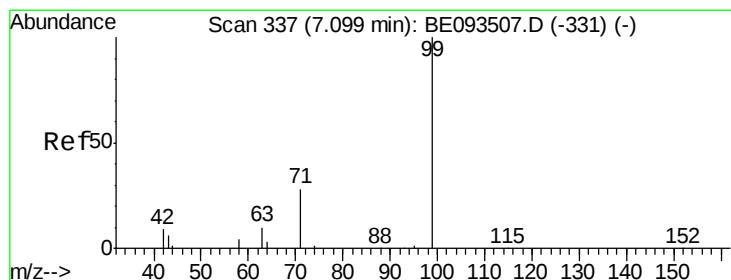
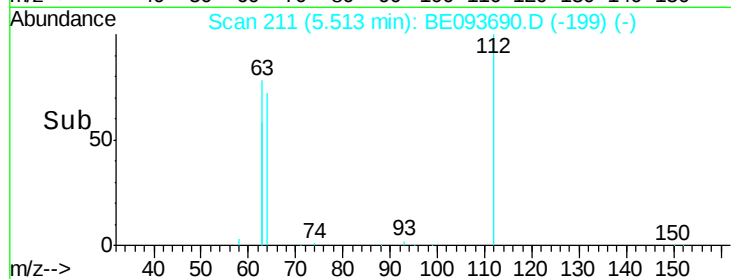
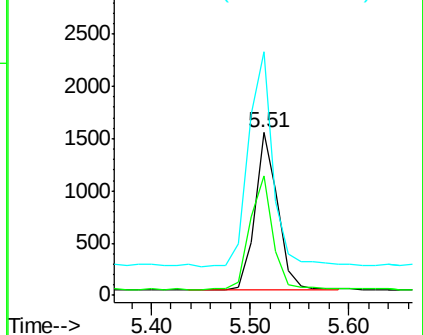
63 145.4 29.3 43.9#



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: 0.272 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

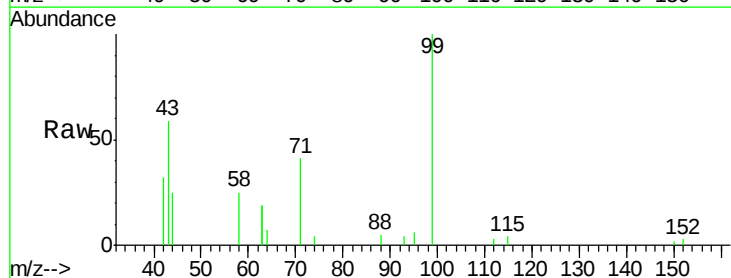
Tgt Ion: 99 Resp: 3801

Ion Ratio Lower Upper

99 100

42 38.5 0.0 0.0#

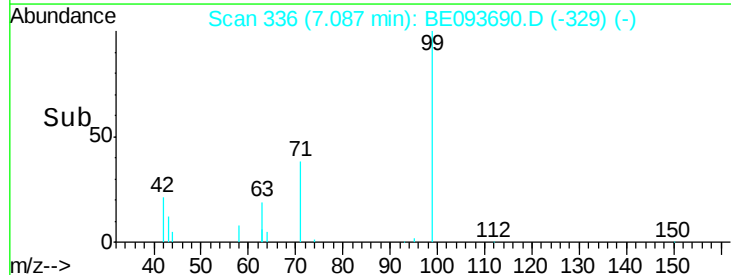
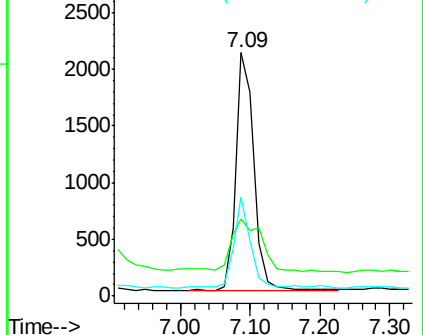
71 33.6 0.0 0.0#

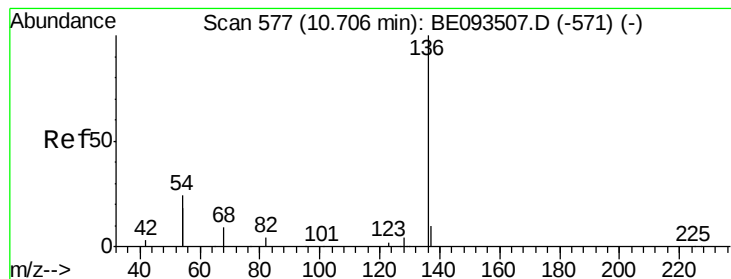


Abundance Ion 99.00 (98.70 to 99.70): BE093507.D (-331) (-)

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: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

Tgt Ion:136 Resp: 16058

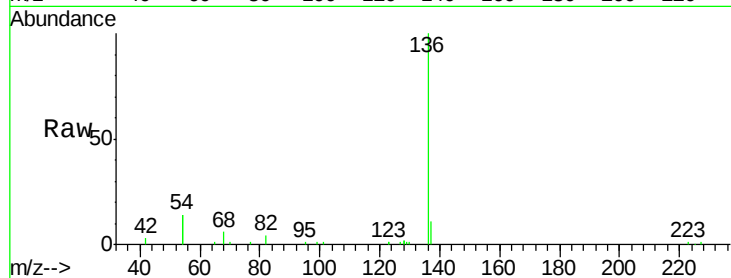
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 27.1 10.3 15.5#

68 6.1 9.0 13.4#

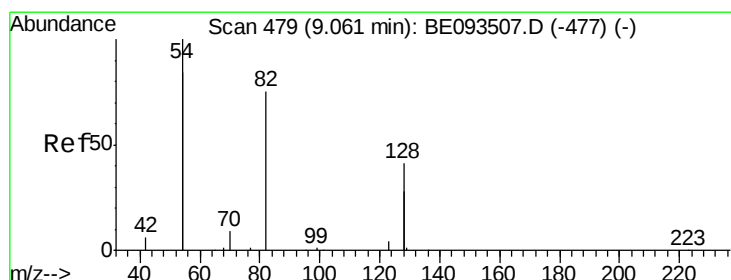
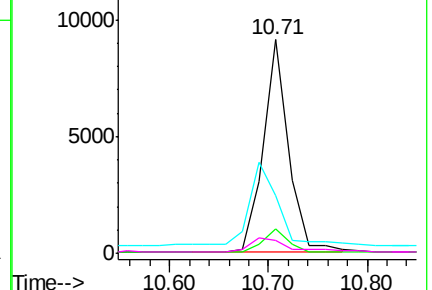
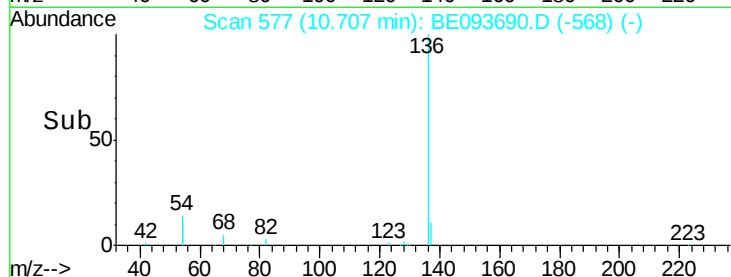


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.260 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

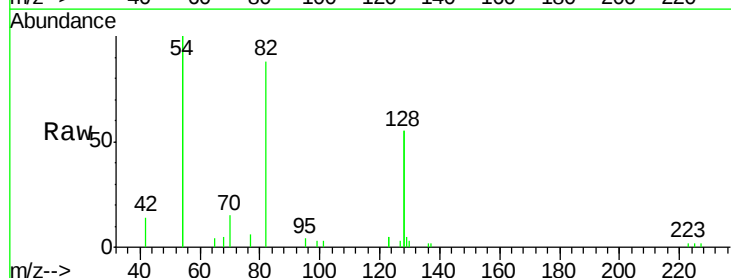
Tgt Ion: 82 Resp: 3188

Ion Ratio Lower Upper

82 100

128 125.1 17.0 25.4#

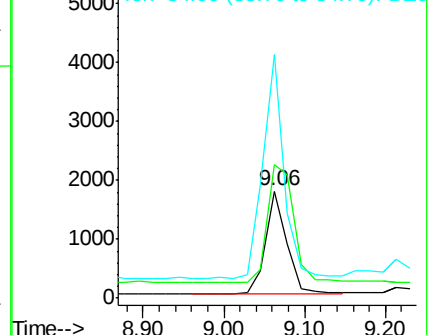
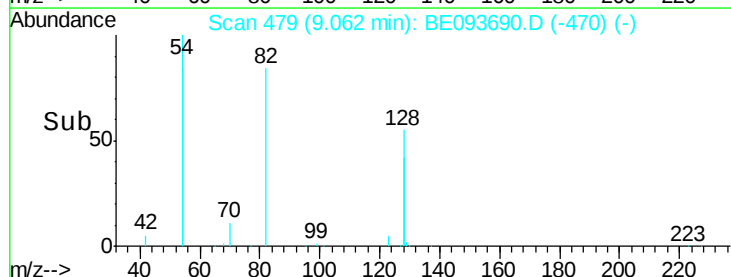
54 228.2 53.8 80.6#

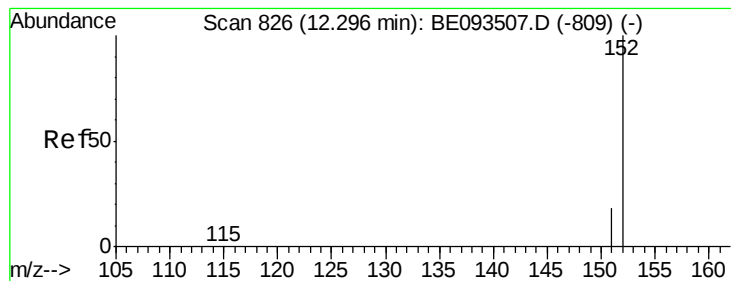


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.214 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

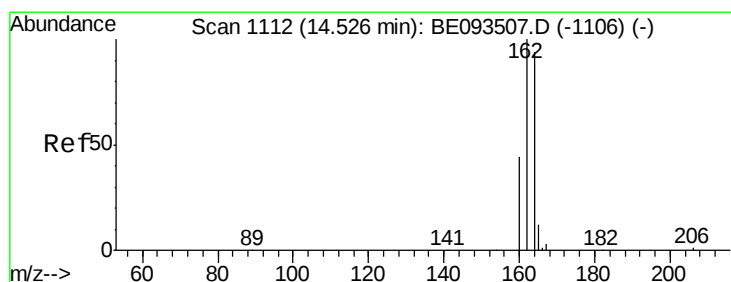
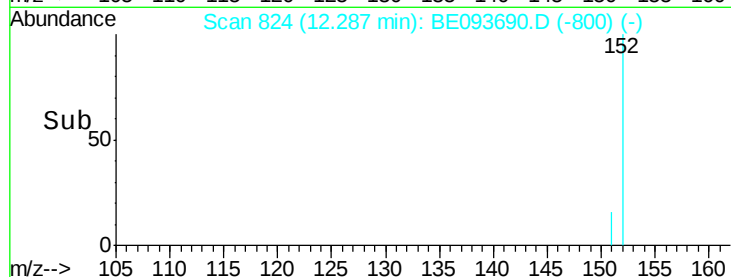
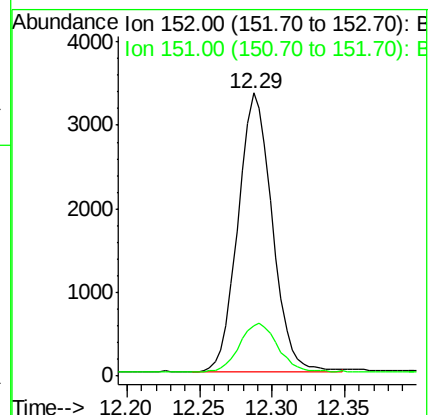
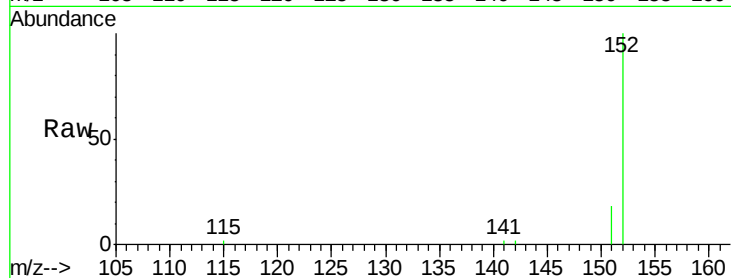
LASB-19A-1

Tgt Ion:152 Resp: 5430

Ion Ratio Lower Upper

152 100

151 19.6 15.1 22.7



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

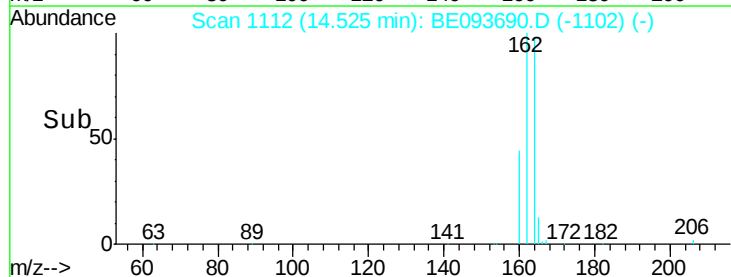
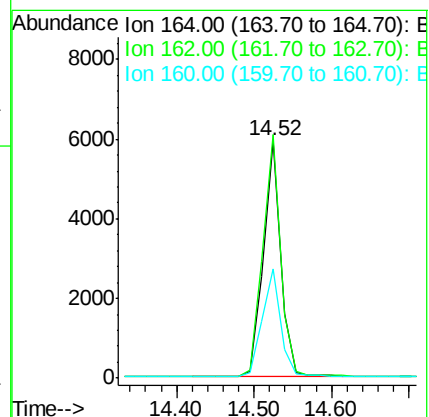
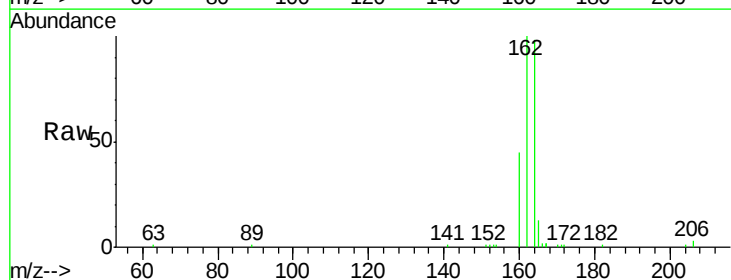
Tgt Ion:164 Resp: 9092

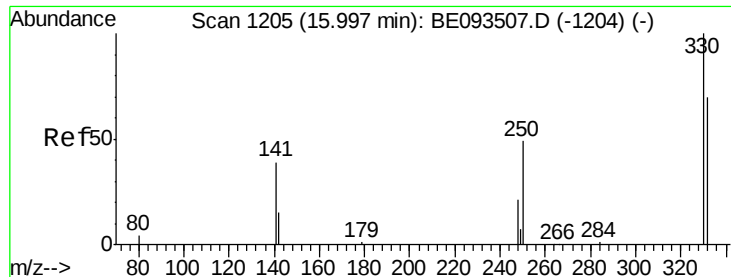
Ion Ratio Lower Upper

164 100

162 102.5 84.6 127.0

160 46.0 41.8 62.6





#14

2,4,6-Tribromophenol

Concen: 0.301 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

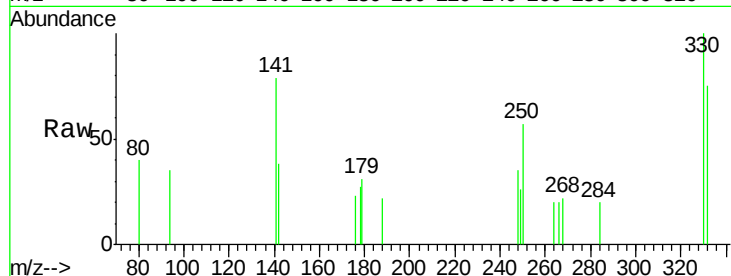
Tgt Ion:330 Resp: 528

Ion Ratio Lower Upper

330 100

332 86.4 77.7 116.5

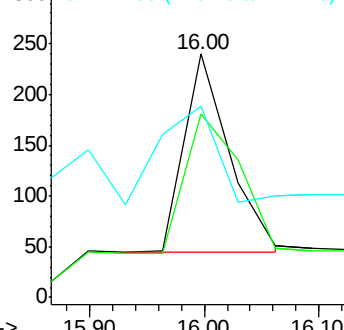
141 63.3 56.2 84.4



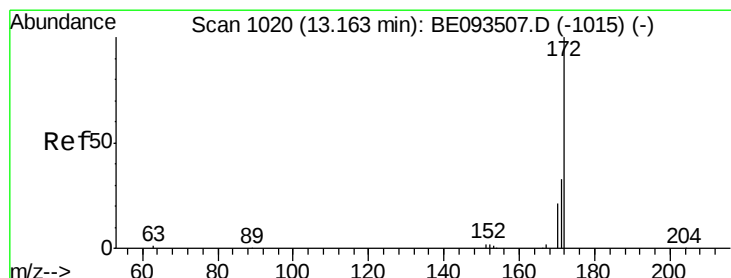
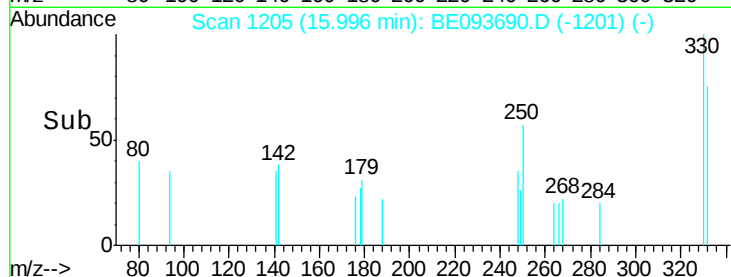
Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#15

2-Fluorobiphenyl

Concen: 0.205 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

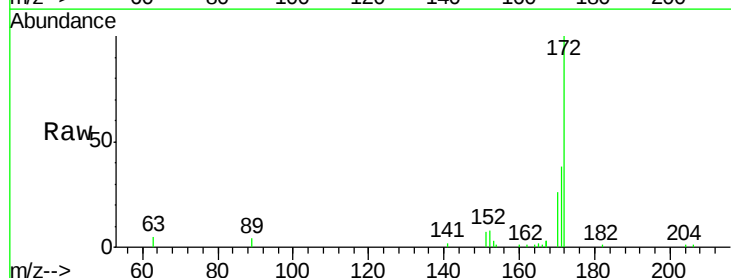
Tgt Ion:172 Resp: 7445

Ion Ratio Lower Upper

172 100

171 38.1 29.8 44.6

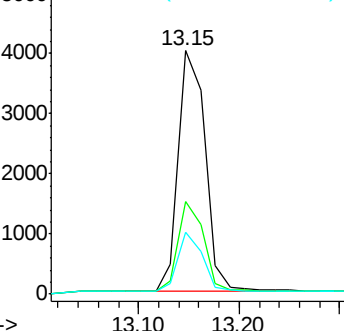
170 25.6 20.7 31.1



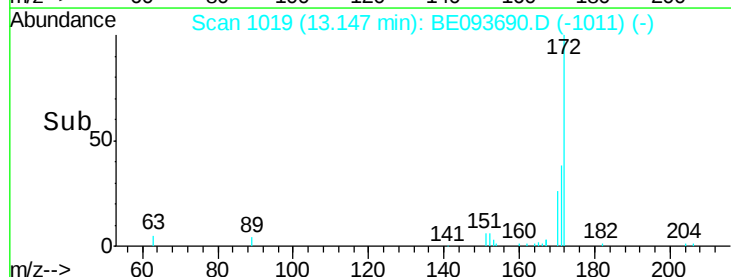
Abundance Ion 172.00 (171.70 to 172.70): E

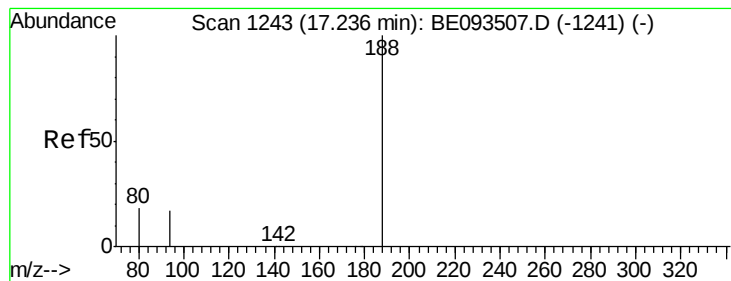
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

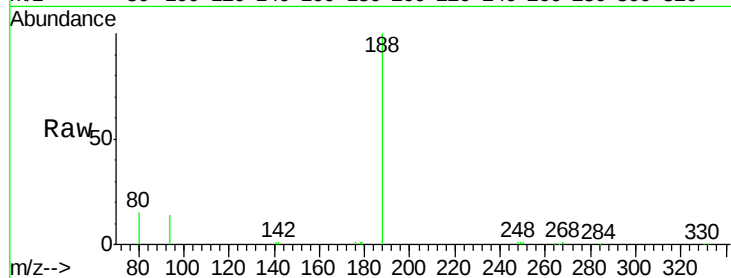
Tgt Ion:188 Resp: 22232

Ion Ratio Lower Upper

188 100

94 14.3 11.3 16.9

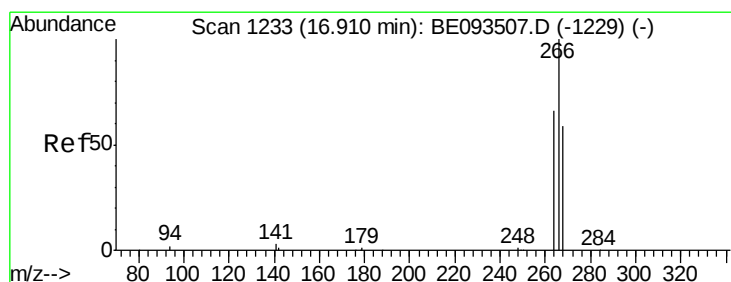
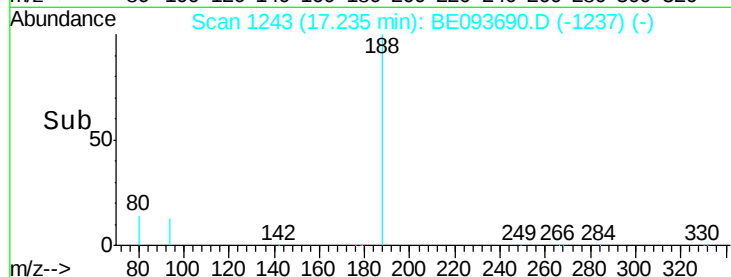
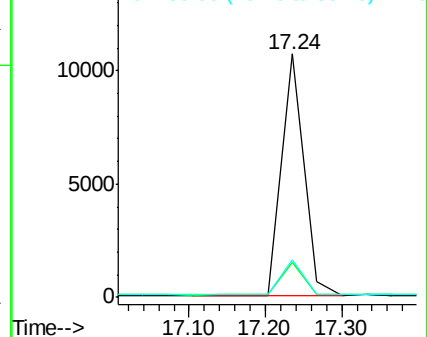
80 15.2 11.7 17.5



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: 0.153 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

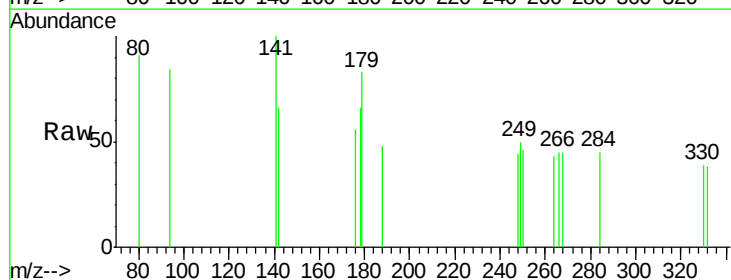
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 96.2 56.0 84.0#

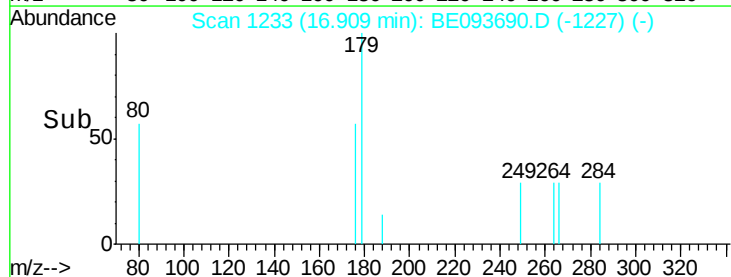
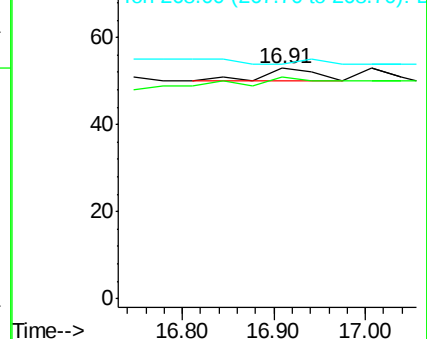
268 101.9 52.0 78.0#

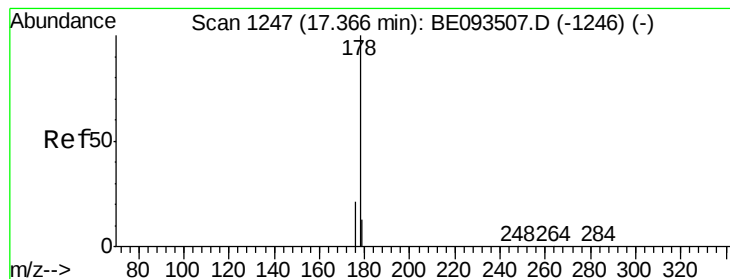


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#24

Anthracene

Concen: 0.449 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

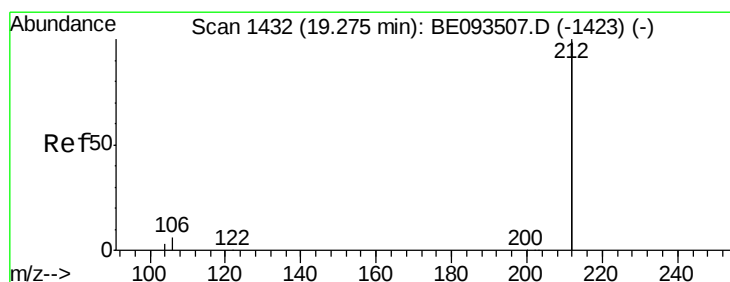
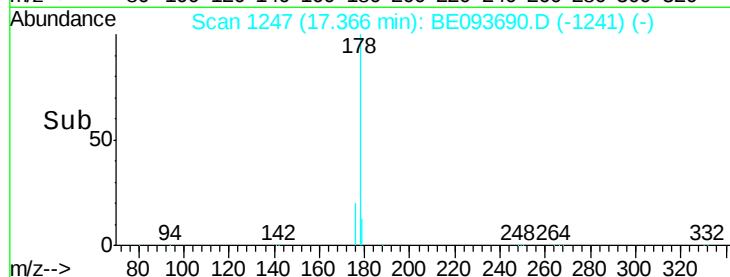
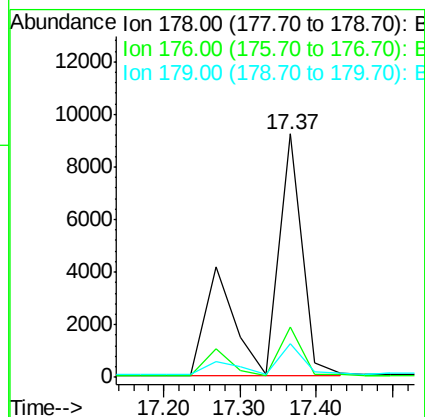
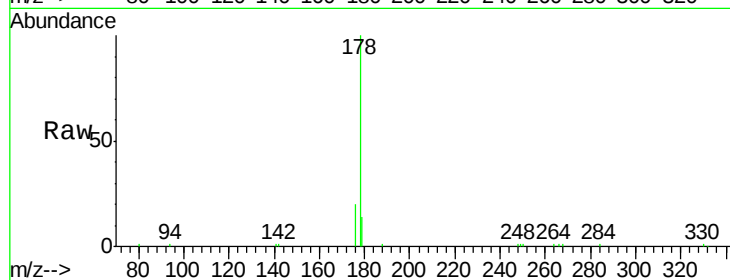
Tgt Ion:178 Resp: 30041

Ion Ratio Lower Upper

178 100

176 12.2 14.6 22.0#

179 14.1 12.0 18.0



#25

Fluoranthene-d10

Concen: 0.200 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

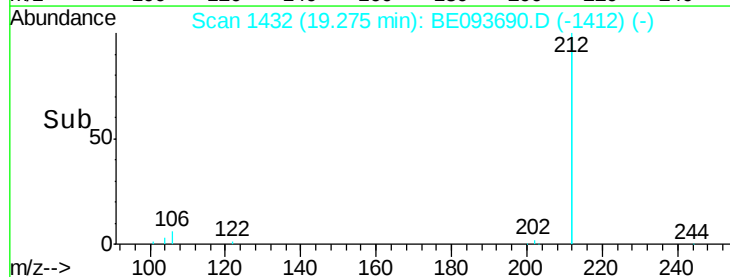
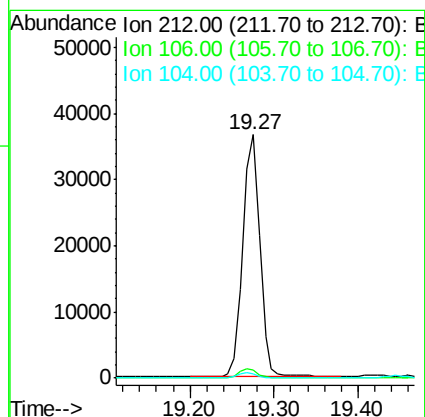
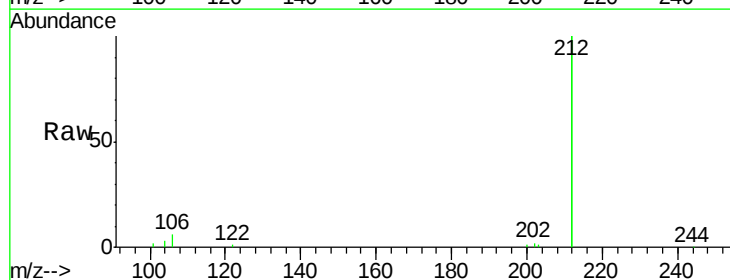
Tgt Ion:212 Resp: 50550

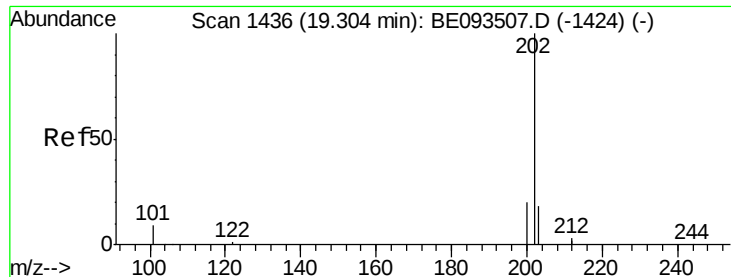
Ion Ratio Lower Upper

212 100

106 3.7 2.4 3.6#

104 2.1 1.6 2.4

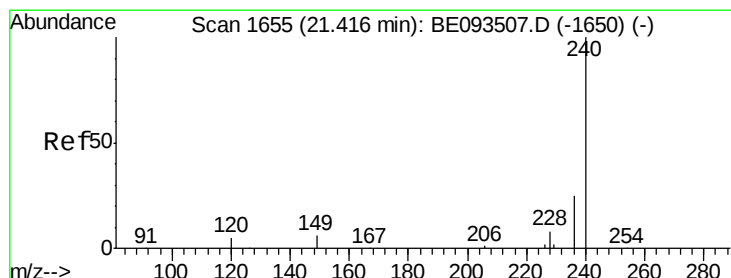
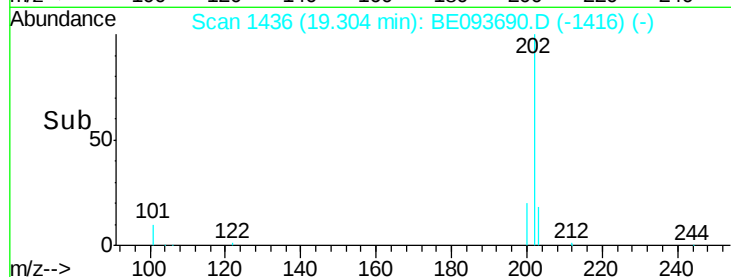
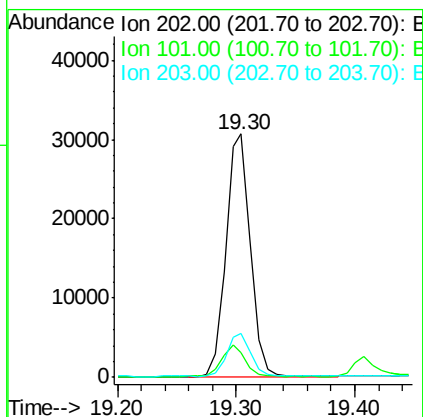
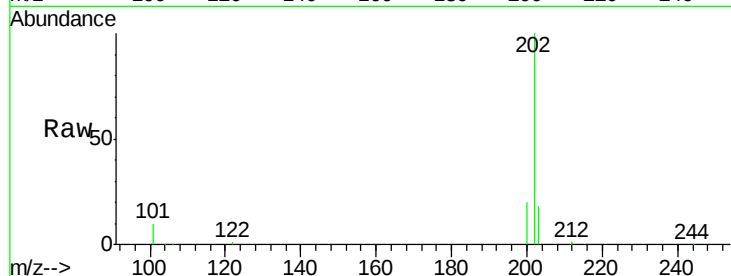




#26
 Fluoranthene
 Concen: 0.566 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

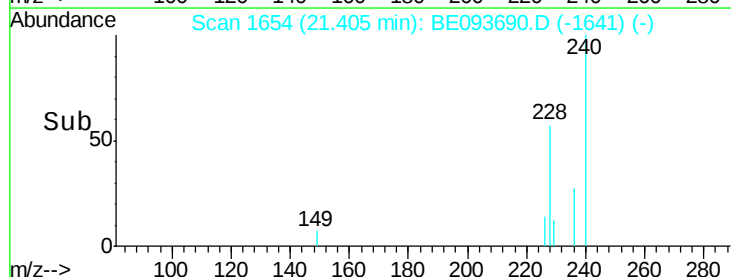
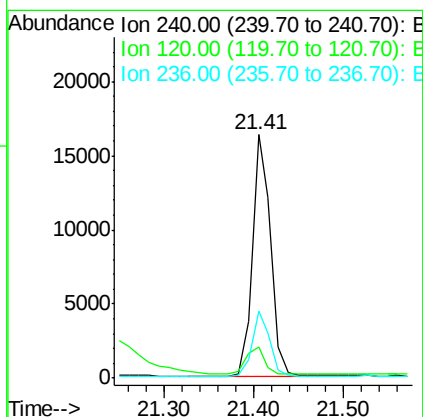
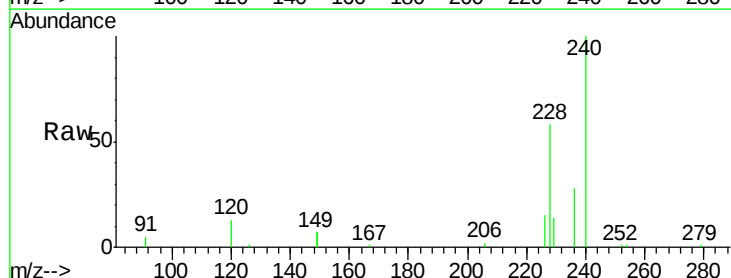
Instrument :
 BNA_E
 ClientSampleId :
 LASB-19A-1

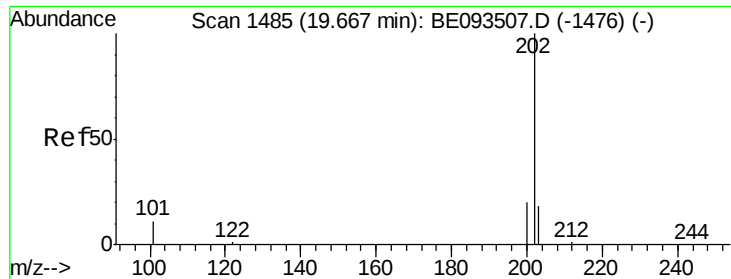
Tgt Ion:202 Resp: 44073
 Ion Ratio Lower Upper
 202 100
 101 12.6 9.6 14.4
 203 17.3 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

Tgt Ion:240 Resp: 23121
 Ion Ratio Lower Upper
 240 100
 120 12.9 4.6 7.0#
 236 27.7 20.8 31.2

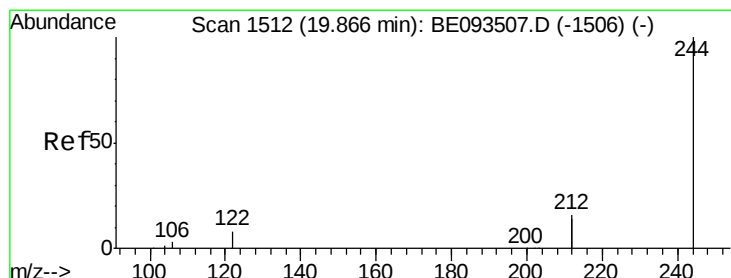
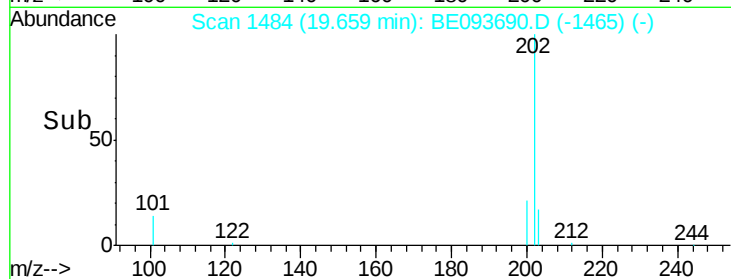
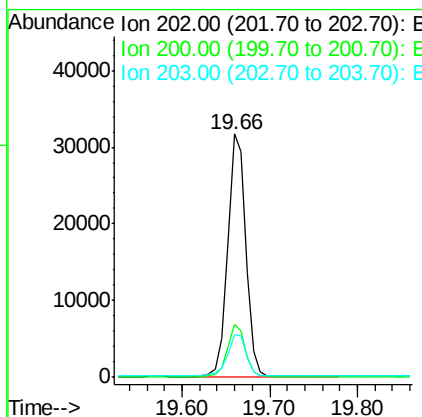
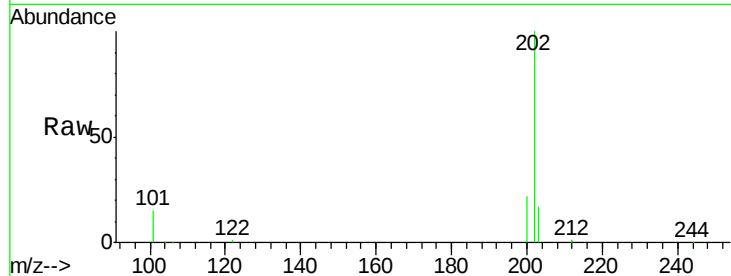




#28
 Pyrene
 Concen: 0.610 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

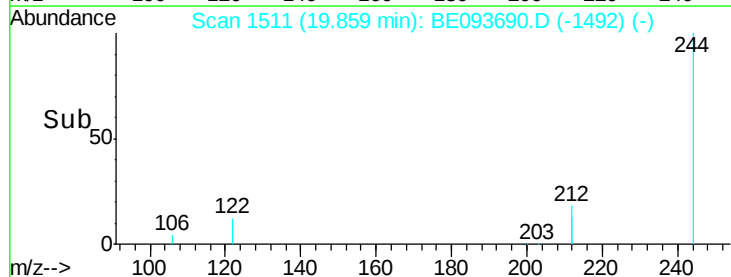
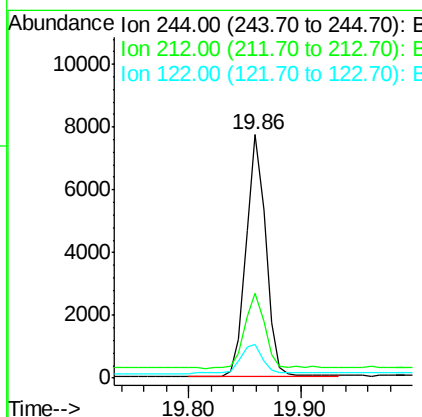
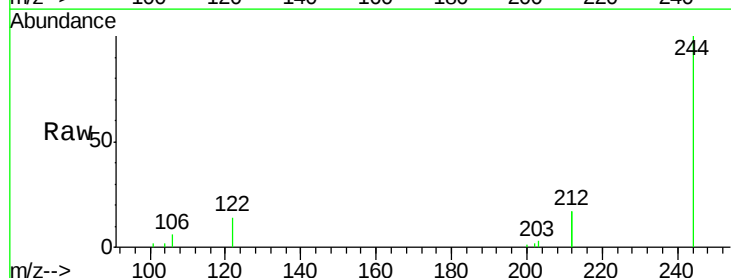
Instrument :
 BNA_E
 ClientSampleId :
 LASB-19A-1

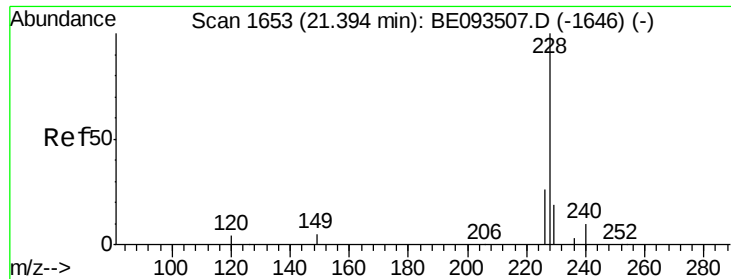
Tgt Ion: 202 Resp: 45547
 Ion Ratio Lower Upper
 202 100
 200 20.9 0.0 0.0#
 203 18.3 13.7 20.5



#29
 Terphenyl-d14
 Concen: 0.226 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

Tgt Ion: 244 Resp: 9387
 Ion Ratio Lower Upper
 244 100
 212 34.8 10.6 16.0#
 122 13.7 15.4 23.0#





#30

Benzo(a)anthracene

Concen: 0.700 ng

RT: 21.39 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

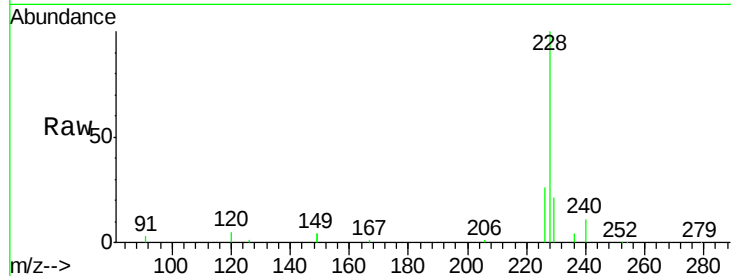
Tgt Ion:228 Resp: 47545

Ion Ratio Lower Upper

228 100

226 26.1 19.7 29.5

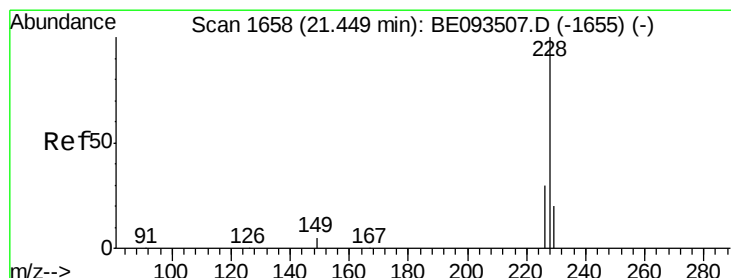
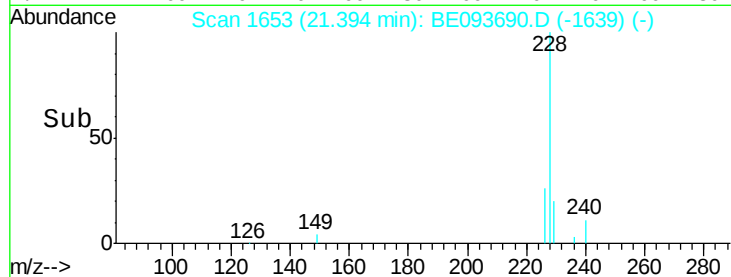
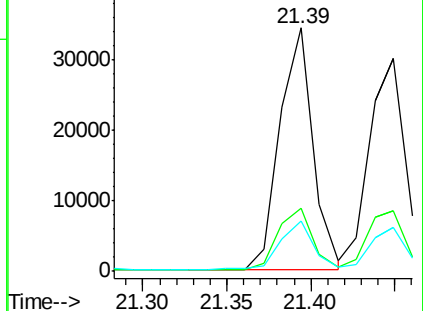
229 20.7 19.2 28.8



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: 0.596 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

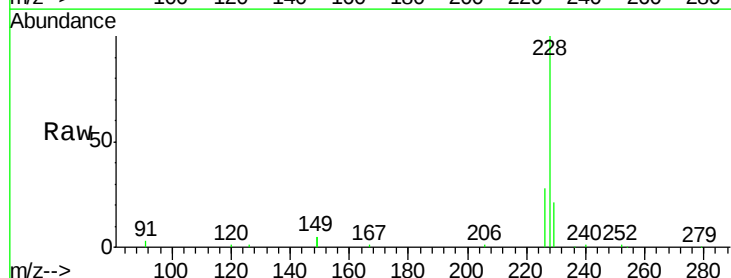
Tgt Ion:228 Resp: 45190

Ion Ratio Lower Upper

228 100

226 28.2 21.5 32.3

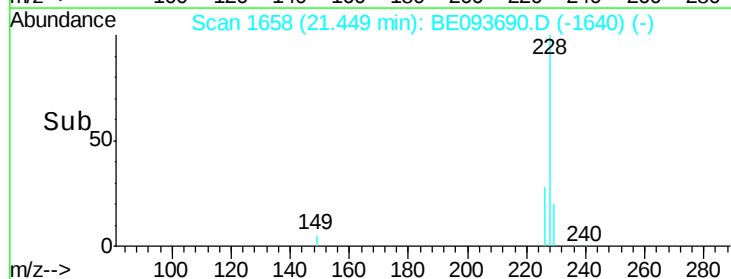
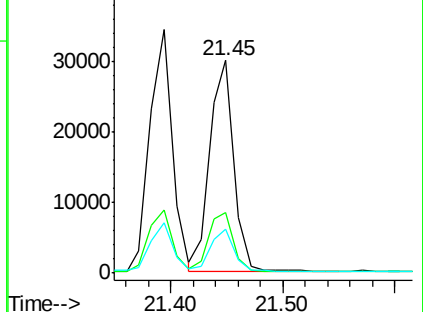
229 20.8 18.6 28.0

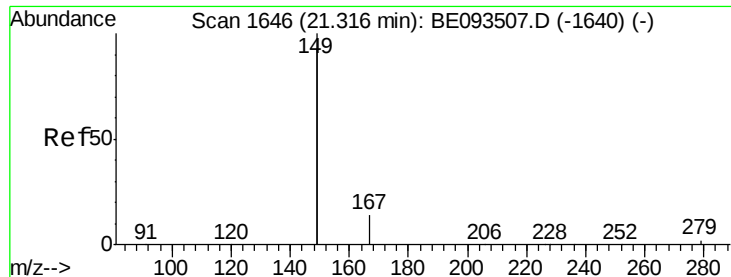


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

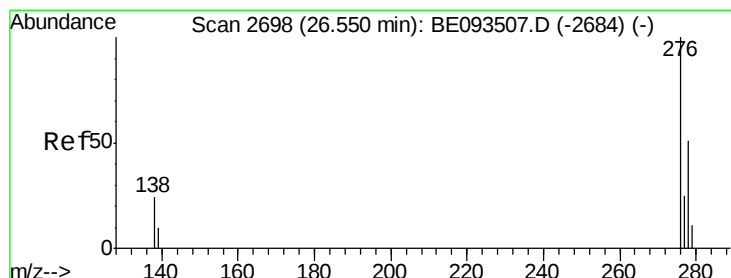
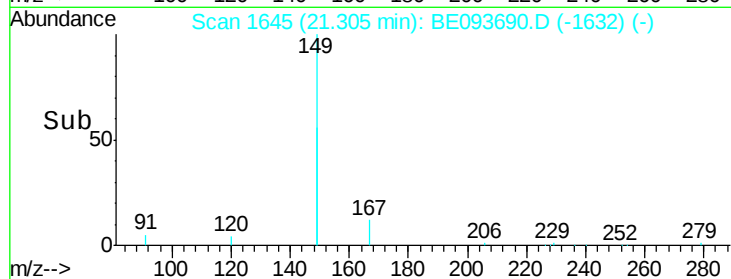
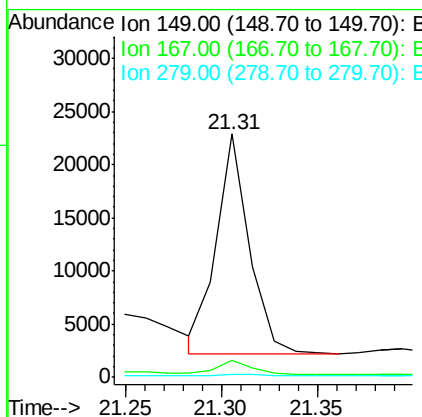
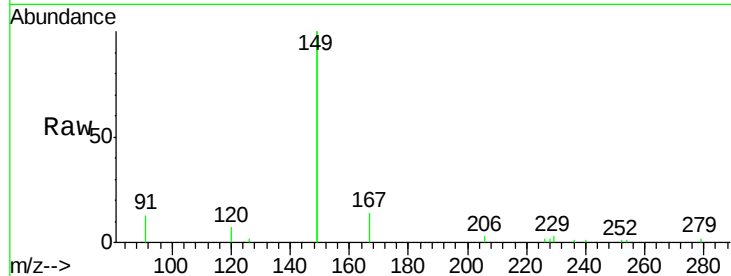




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.266 ng
 RT: 21.31 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

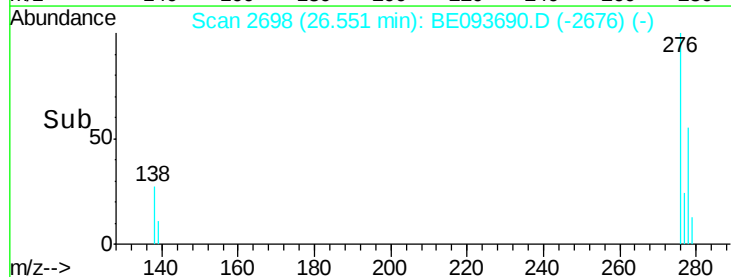
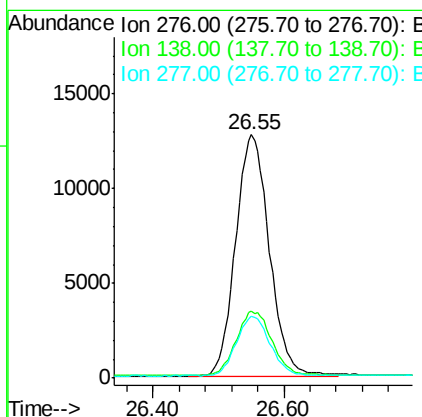
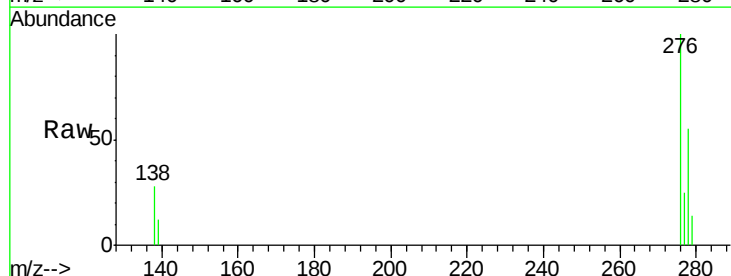
Instrument :
 BNA_E
 ClientSampleId :
 LASB-19A-1

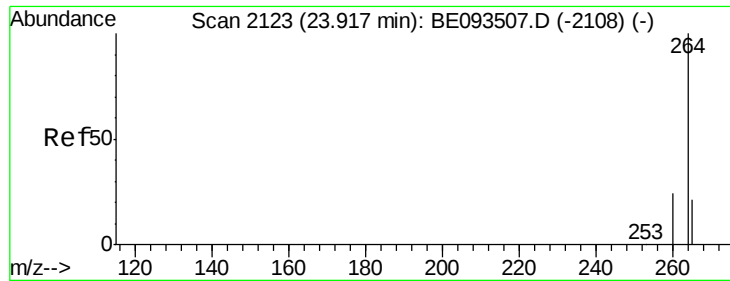
Tgt Ion:149 Resp: 24649
 Ion Ratio Lower Upper
 149 100
 167 7.2 4.8 7.2#
 279 0.9 0.8 1.2



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.664 ng
 RT: 26.55 min Scan# 2698
 Delta R.T. 0.00 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

Tgt Ion:276 Resp: 45560
 Ion Ratio Lower Upper
 276 100
 138 27.6 27.4 41.2
 277 24.6 20.1 30.1

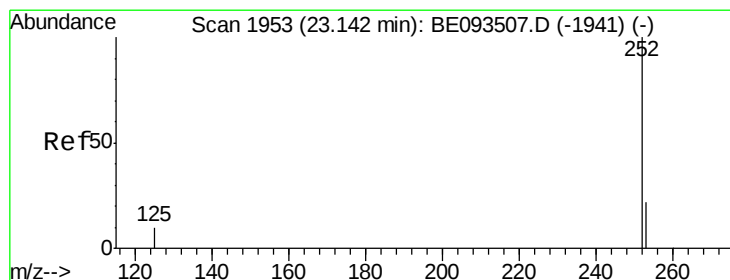
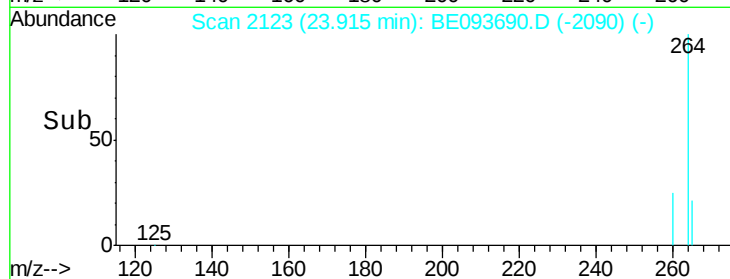
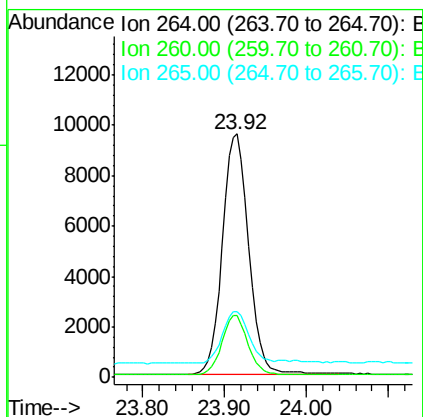
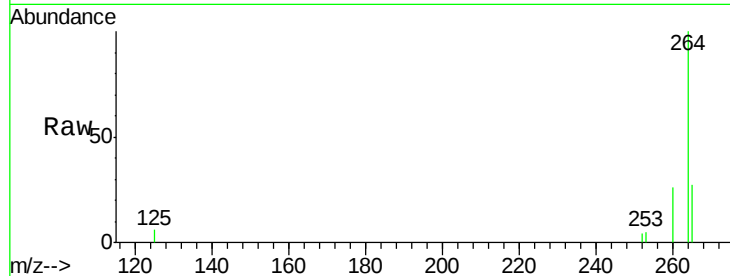




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.92 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

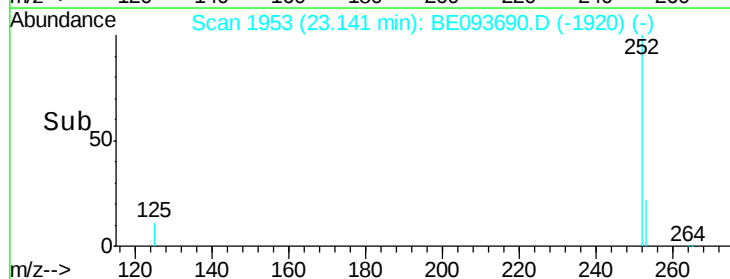
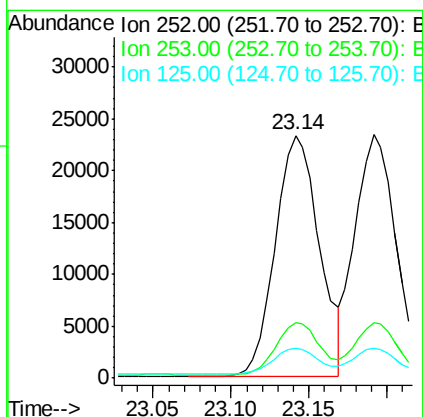
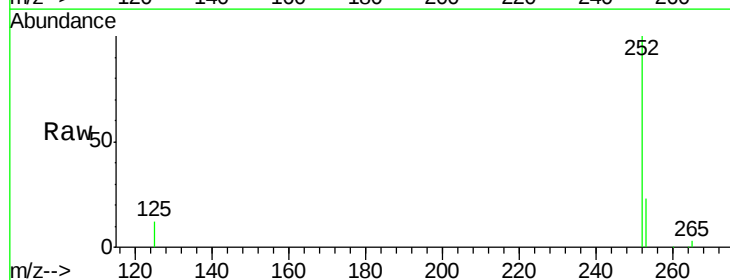
Instrument :
 BNA_E
 ClientSampleId :
 LASB-19A-1

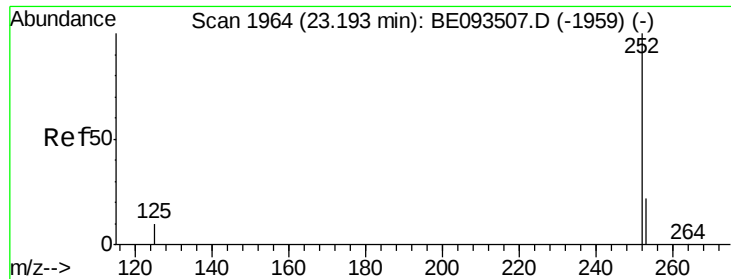
Tgt Ion: 264 Resp: 21115
 Ion Ratio Lower Upper
 264 100
 260 25.7 21.0 31.4
 265 26.8 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.602 ng
 RT: 23.14 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

Tgt Ion: 252 Resp: 45320
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.5 27.7
 125 12.4 13.4 20.0#

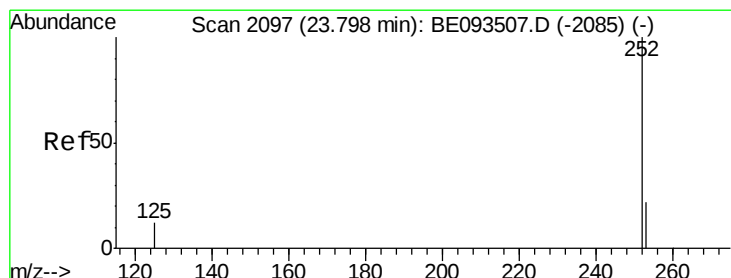
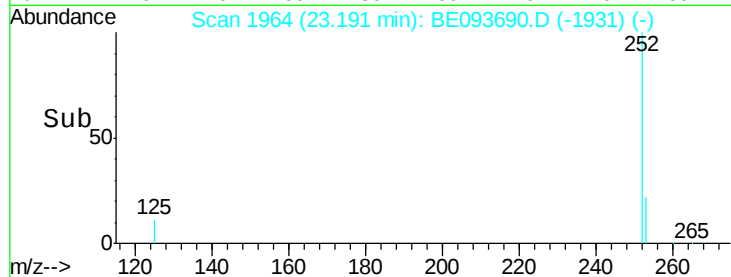
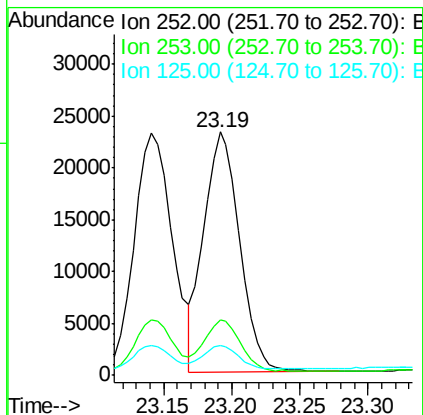
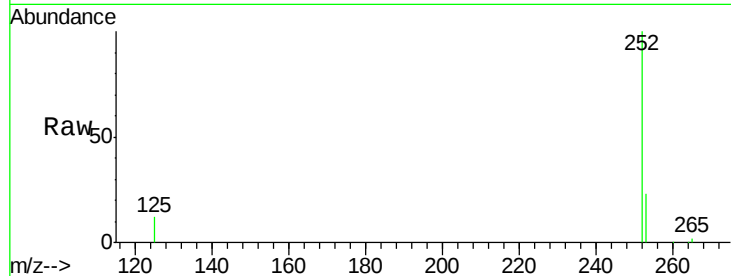




#36
Benzo(k)fluoranthene
Concen: 0.552 ng
RT: 23.19 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

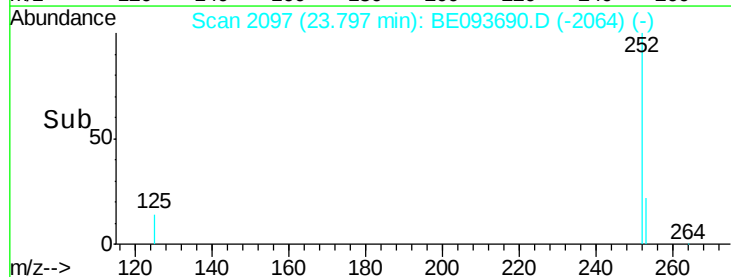
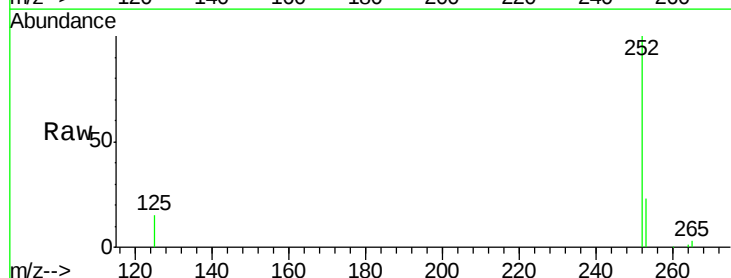
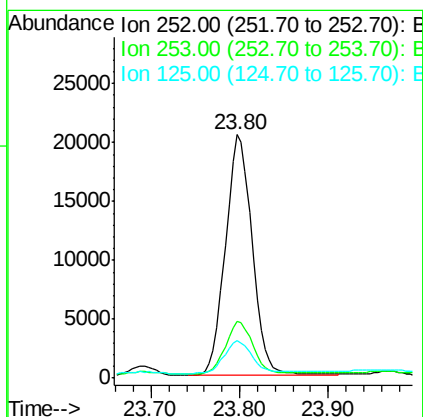
Instrument :
BNA_E
ClientSampleId :
LASB-19A-1

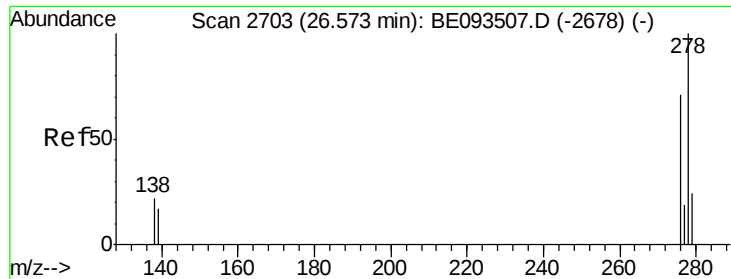
Tgt Ion:252 Resp: 42532
Ion Ratio Lower Upper
252 100
253 22.8 20.3 30.5
125 12.3 12.2 18.4



#37
Benzo(a)pyrene
Concen: 0.631 ng
RT: 23.80 min Scan# 2097
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Tgt Ion:252 Resp: 43043
Ion Ratio Lower Upper
252 100
253 23.4 19.9 29.9
125 15.4 14.6 21.8





#38

Dibenzo(a,h)anthracene

Concen: 0.570 ng

RT: 26.57 min Scan# 2703

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1

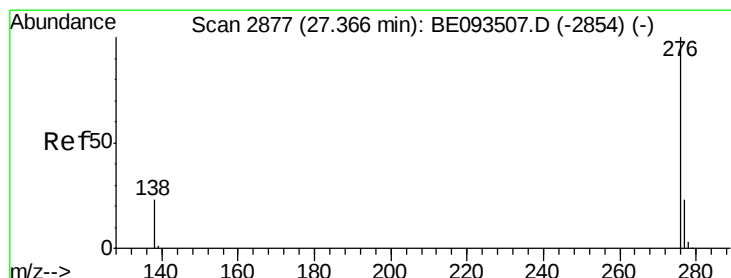
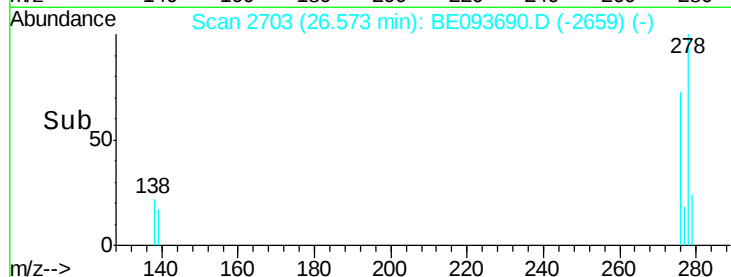
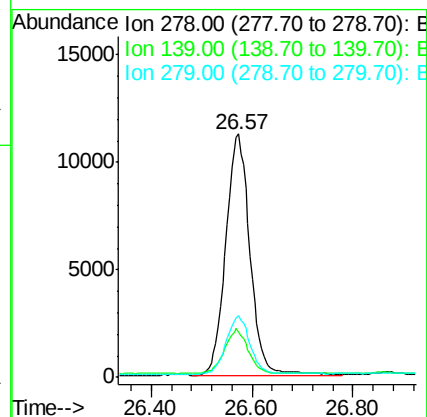
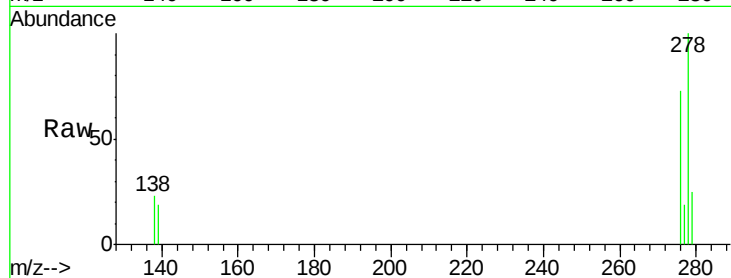
Tgt Ion:278 Resp: 37526

Ion Ratio Lower Upper

278 100

139 18.7 21.4 32.0#

279 25.4 22.2 33.2



#39

Benzo(g,h,i)perylene

Concen: 0.579 ng

RT: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Tgt Ion:276 Resp: 38710

Ion Ratio Lower Upper

276 100

277 25.0 21.2 31.8

138 25.4 24.5 36.7

