

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093683.D
 Acq On : 5 Aug 2017 20:06
 Operator : SJ/JU
 Sample : I4427-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-2

Quant Time: Aug 06 02:45:21 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	2983	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	14739	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	8719	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	22328	0.40	ng	0.00
27) Chrysene-d12	21.40	240	22537	0.40	ng	-0.01
34) Perylene-d12	23.91	264	20140	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	2669	0.30	ng	0.00
5) Phenol-d6	7.09	99	4103	0.31	ng	0.00
8) Nitrobenzene-d5	9.06	82	3229	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5570	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	593	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8052	0.23	ng	-0.01
25) Fluoranthene-d10	19.27	212	56302	0.22	ng	0.00
29) Terphenyl-d14	19.86	244	9898	0.24	ng	0.00

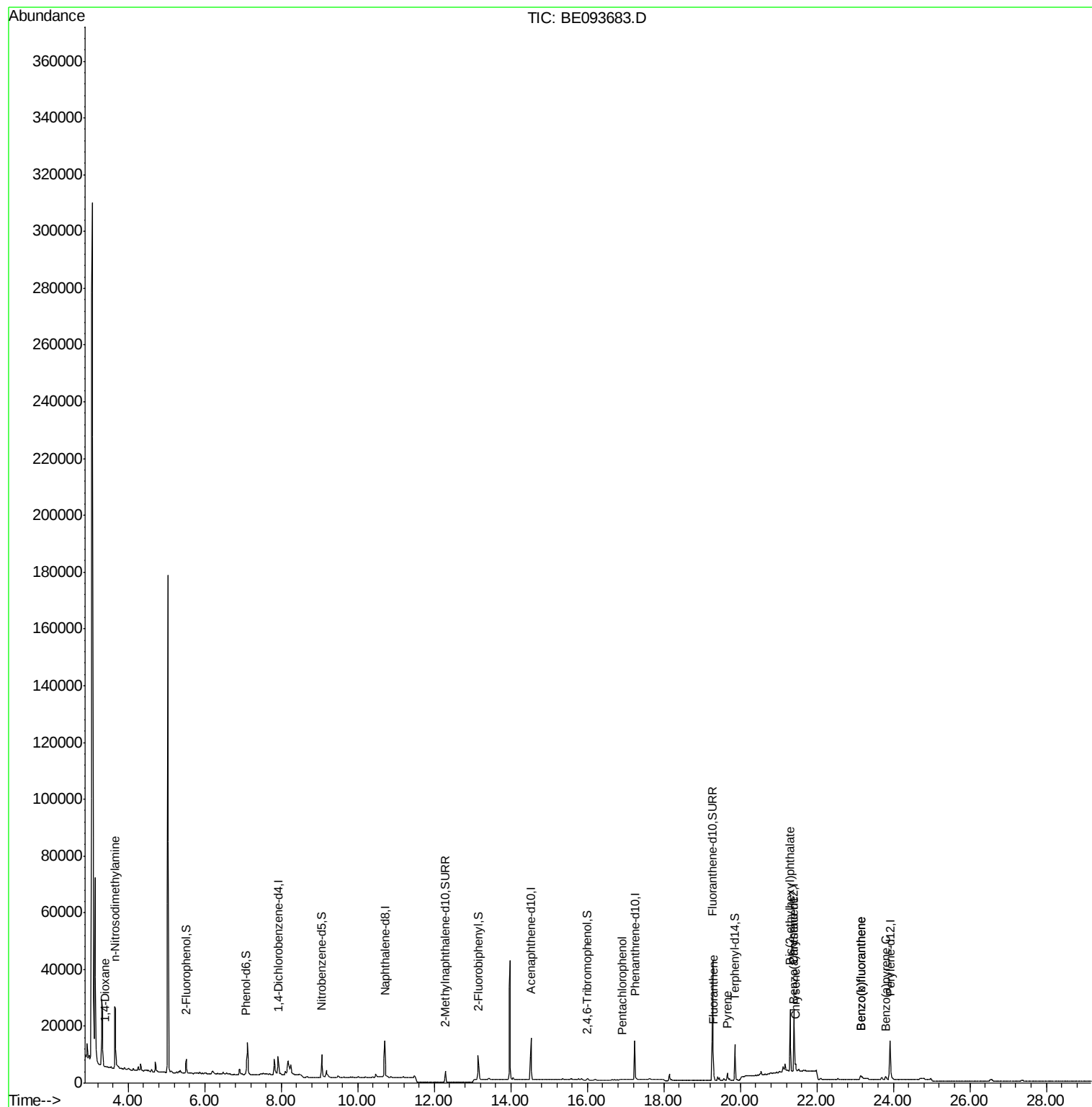
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	125	0.026	ng	# 20
3) n-Nitrosodimethylamine	3.65	42	4873	1.076	ng	# 1
20) 4-Bromophenyl-phenylether	16.45	248	8	Below Cal		# 22
21) Hexachlorobenzene	16.55	284	2	Below Cal		# 100
22) Pentachlorophenol	16.91	266	20	0.155	ng	# 62
26) Fluoranthene	19.30	202	2317	0.030	ng	# 92
28) Pyrene	19.67	202	2357	0.032	ng	# 87
30) Benzo(a)anthracene	21.39	228	1860	0.028	ng	# 81
31) Chrysene	21.45	228	1846	0.025	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.30	149	22791	0.252	ng	# 98
35) Benzo(b)fluoranthene	23.15	252	2478	0.034	ng	# 54
36) Benzo(k)fluoranthene	23.15	252	2478	0.034	ng	# 56
37) Benzo(a)pyrene	23.80	252	1566	0.024	ng	# 44

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

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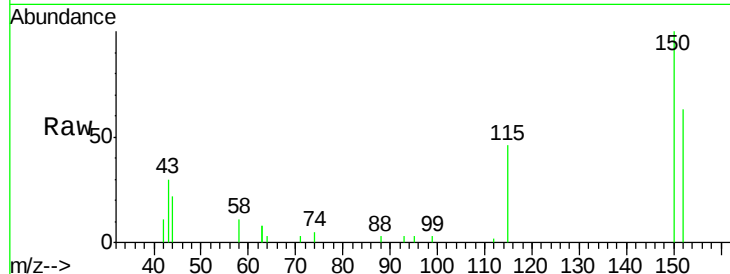


#1

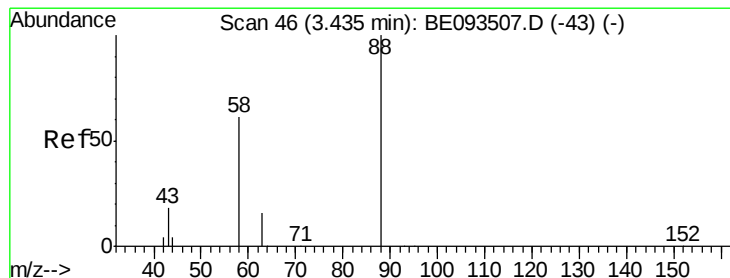
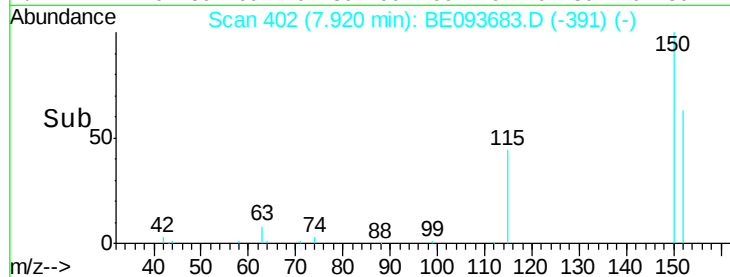
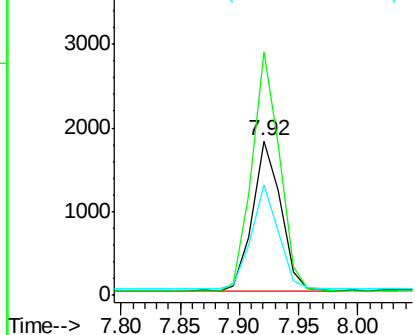
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.92 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-2

Tgt Ion: 152 Resp: 2983
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.1 187.7
 115 71.8 55.7 83.5



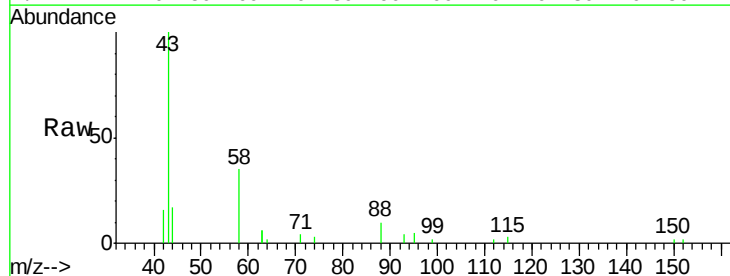
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



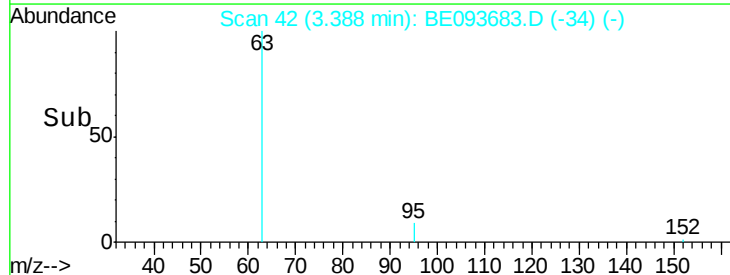
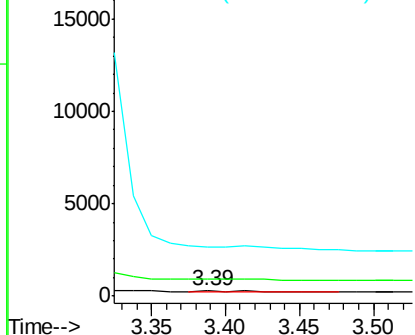
#2

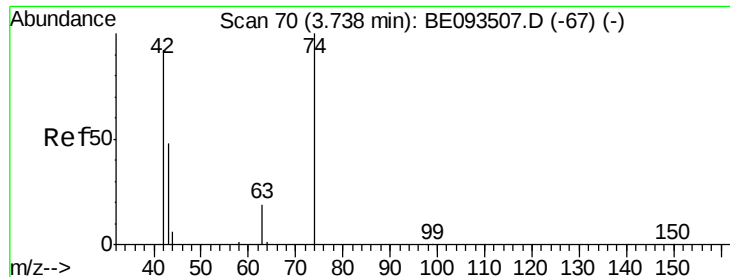
1,4-Dioxane
 Concen: 0.026 ng
 RT: 3.39 min Scan# 42
 Delta R.T. -0.05 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

Tgt Ion: 88 Resp: 125
 Ion Ratio Lower Upper
 88 100
 58 0.0 62.2 93.4#
 43 0.0 23.2 34.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
 Ion 58.00 (57.70 to 58.70): BE0
 Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.076 ng

RT: 3.65 min Scan# 63

Delta R.T. -0.09 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

BNA_E

ClientSampleId :

LASB-13A-2

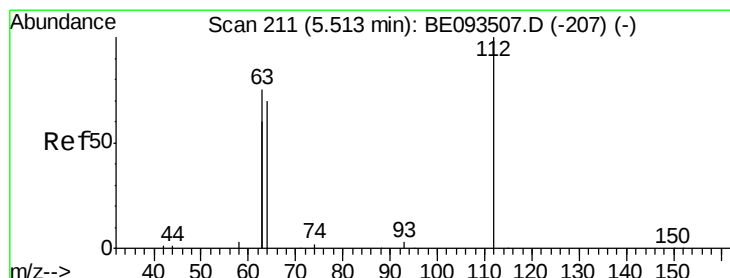
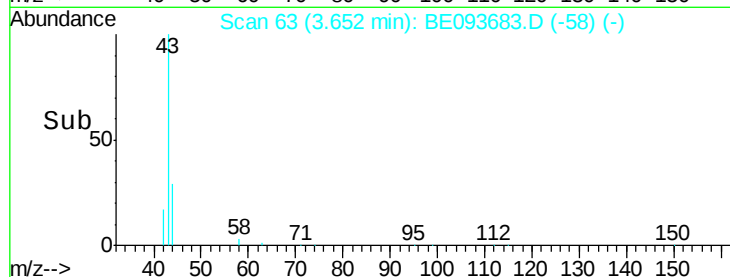
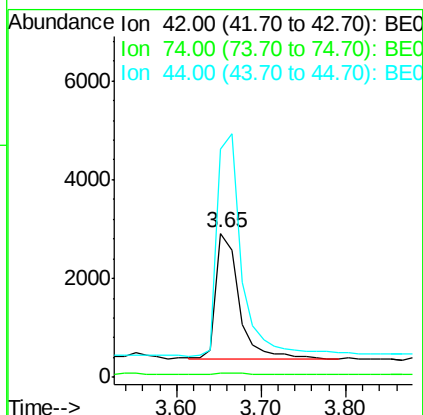
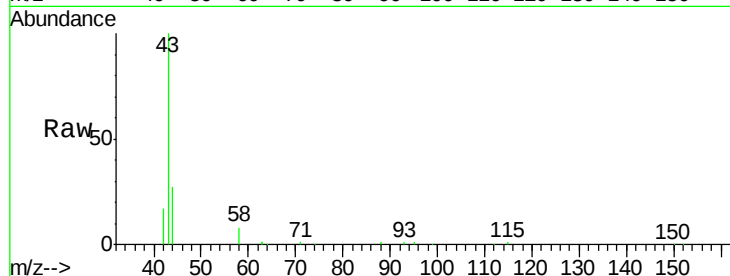
Tgt Ion: 42 Resp: 4873

Ion Ratio Lower Upper

42 100

74 1.3 99.1 148.7#

44 191.3 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.300 ng

RT: 5.52 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

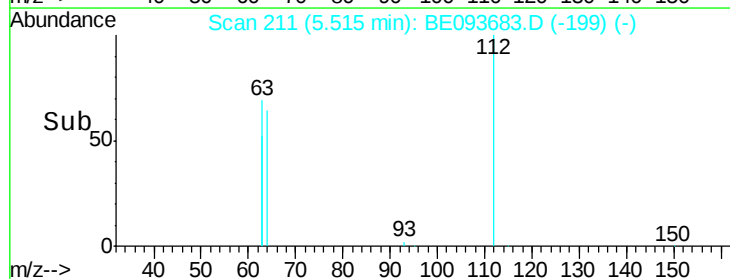
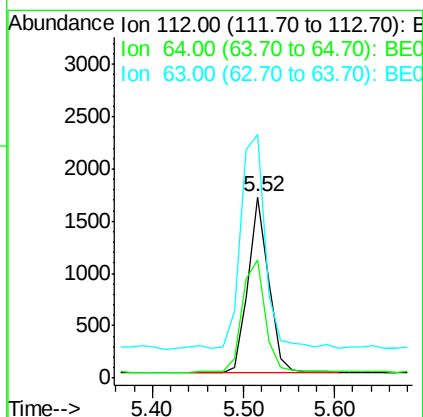
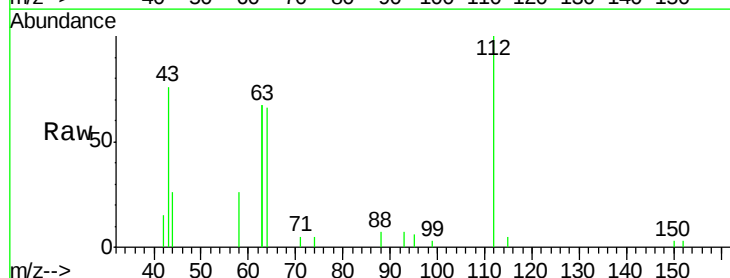
Tgt Ion: 112 Resp: 2669

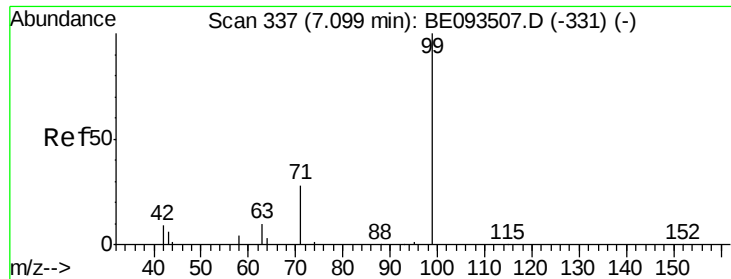
Ion Ratio Lower Upper

112 100

64 71.0 56.4 84.6

63 146.6 29.3 43.9#





#5

Phenol-d6

Concen: 0.307 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

BNA_E

ClientSampleId :

LASB-13A-2

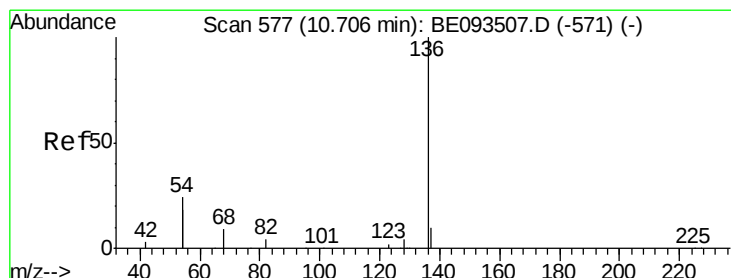
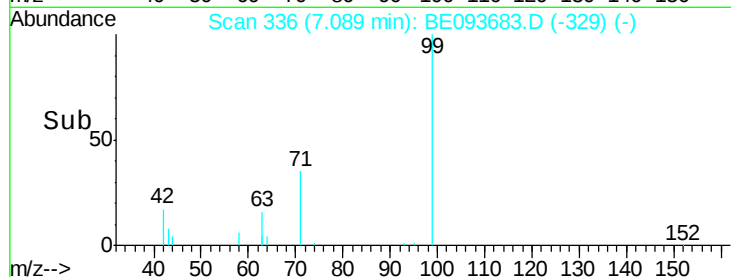
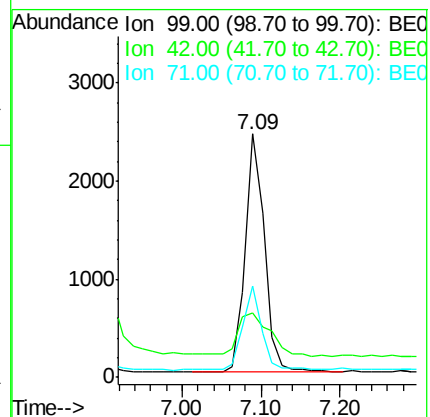
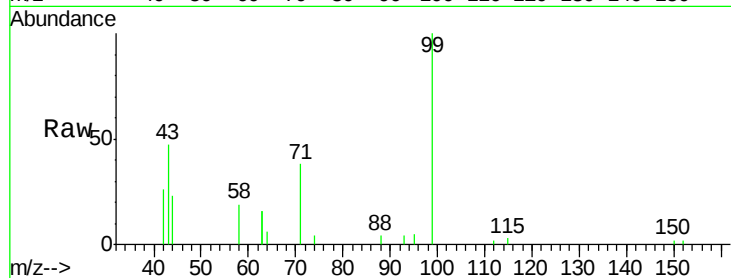
Tgt Ion: 99 Resp: 4103

Ion Ratio Lower Upper

99 100

42 31.7 0.0 0.0#

71 33.7 0.0 0.0#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Tgt Ion: 136 Resp: 14739

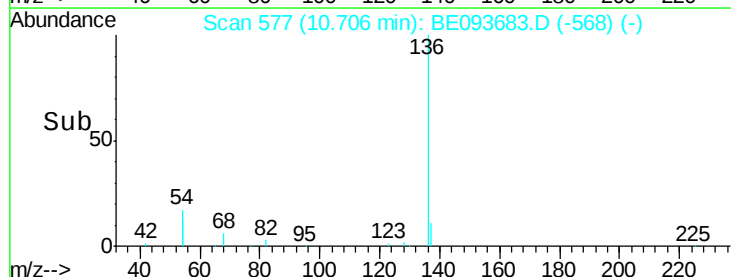
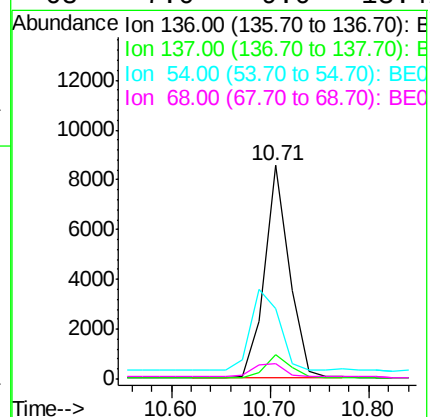
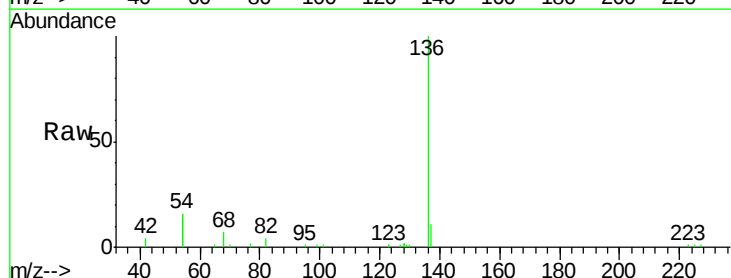
Ion Ratio Lower Upper

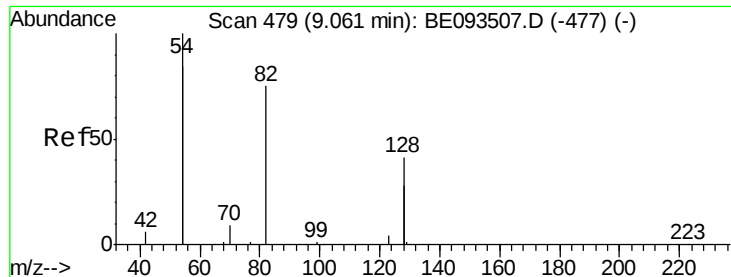
136 100

137 11.2 9.8 14.8

54 32.8 10.3 15.5#

68 7.0 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.287 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

BNA_E

ClientSampleId :

LASB-13A-2

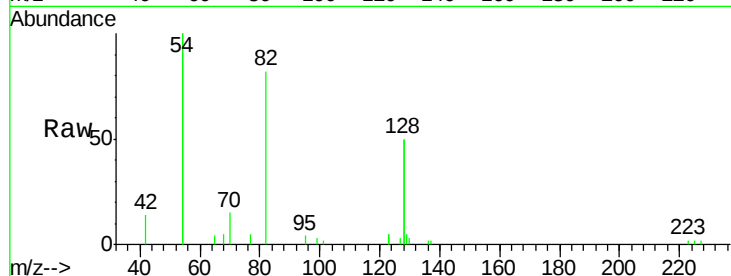
Tgt Ion: 82 Resp: 3229

Ion Ratio Lower Upper

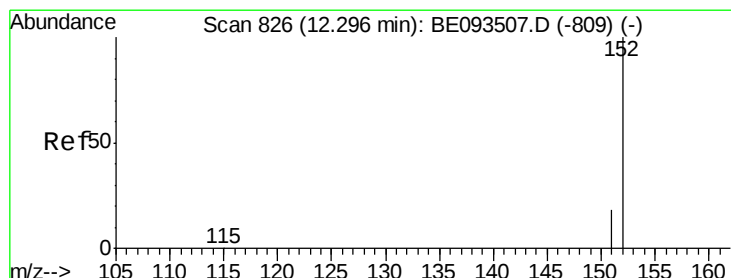
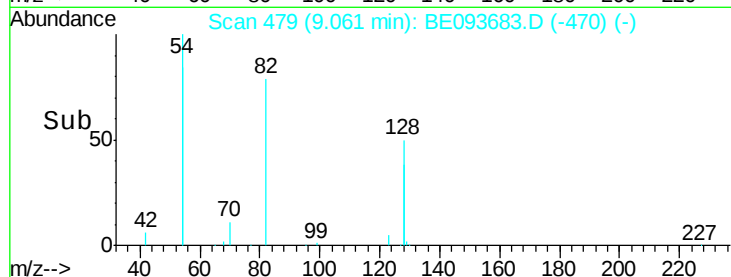
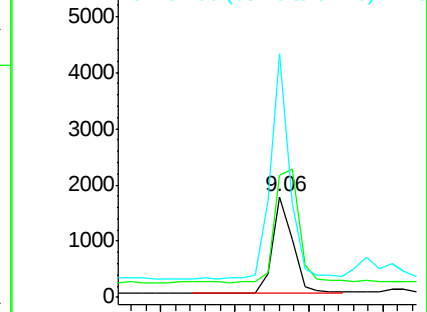
82 100

128 121.2 17.0 25.4#

54 242.7 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: 0.239 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093683.D

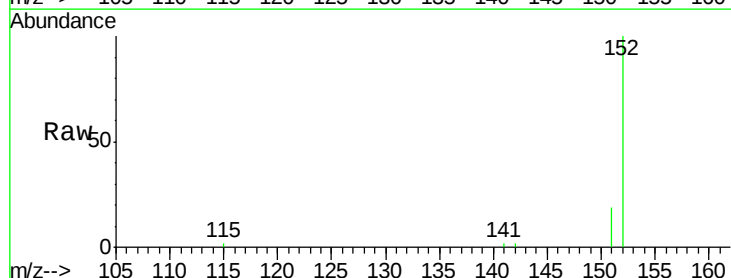
Acq: 5 Aug 2017 20:06

Tgt Ion: 152 Resp: 5570

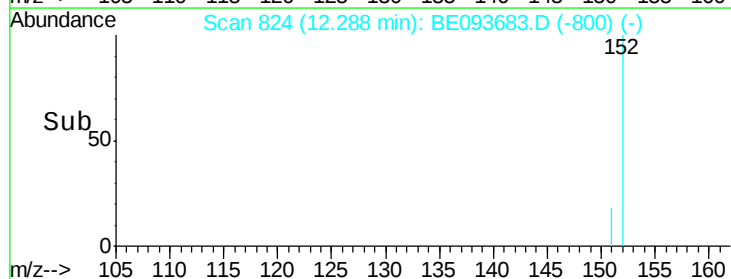
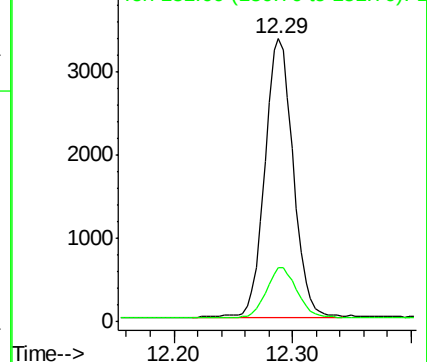
Ion Ratio Lower Upper

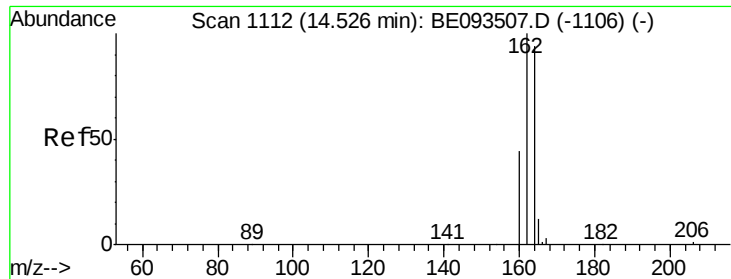
152 100

151 19.4 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: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

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ClientSampleId :

LASB-13A-2

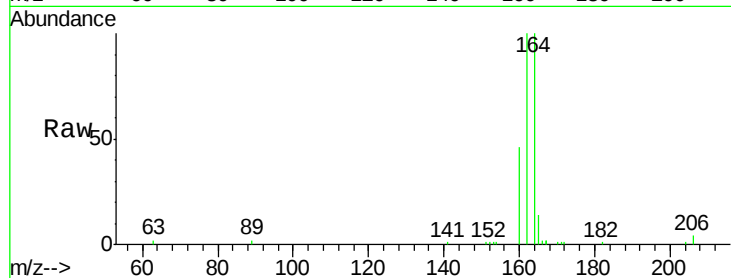
Tgt Ion:164 Resp: 8719

Ion Ratio Lower Upper

164 100

162 100.2 84.6 127.0

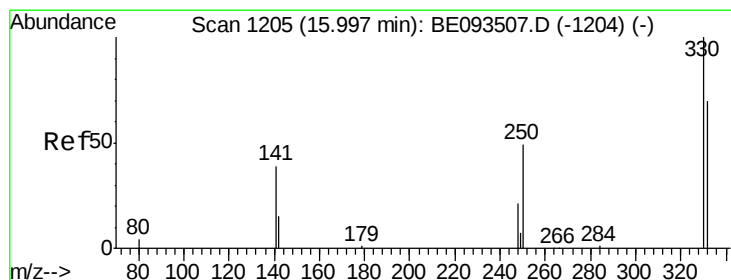
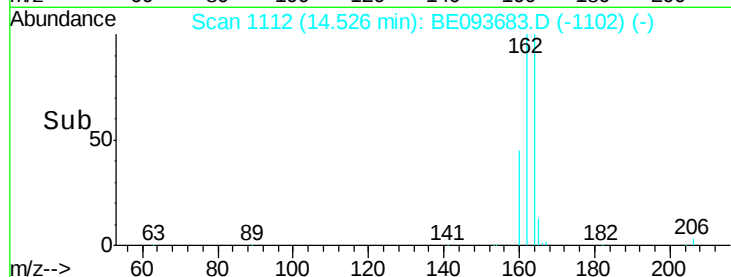
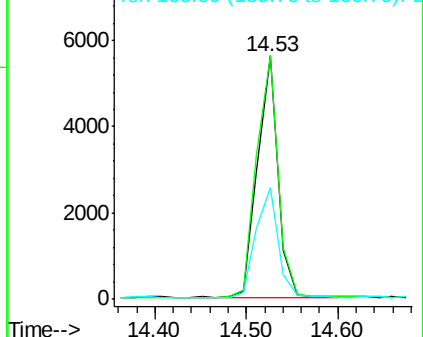
160 45.9 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.334 ng

RT: 16.00 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

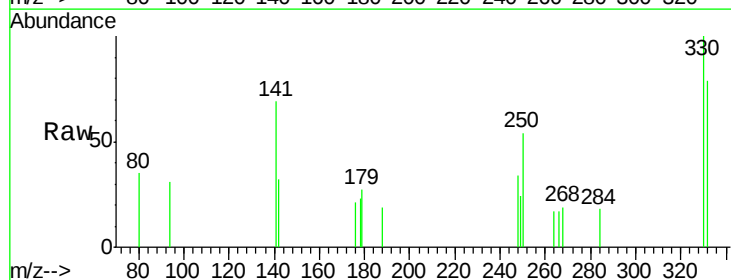
Tgt Ion:330 Resp: 593

Ion Ratio Lower Upper

330 100

332 89.0 77.7 116.5

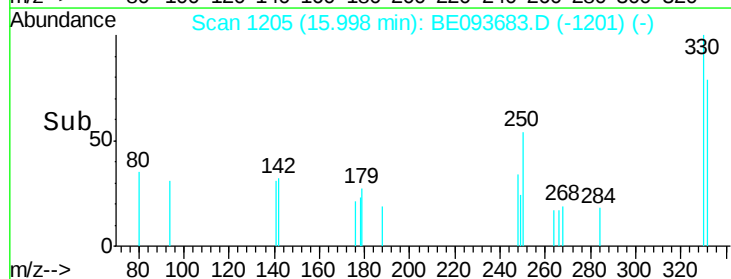
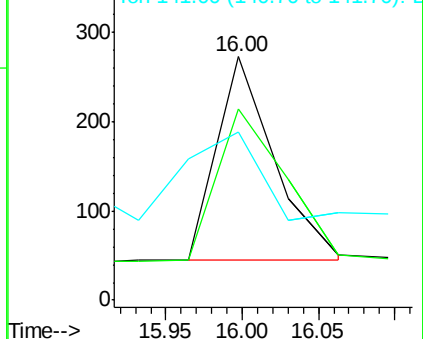
141 55.8 56.2 84.4#

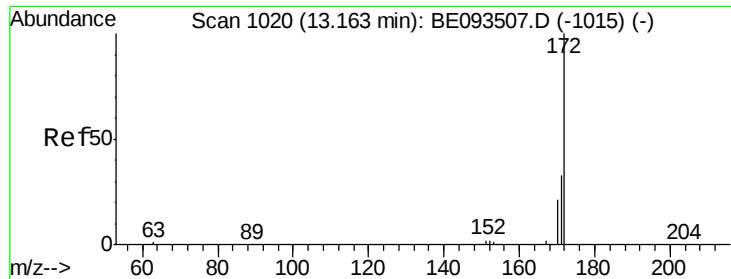


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

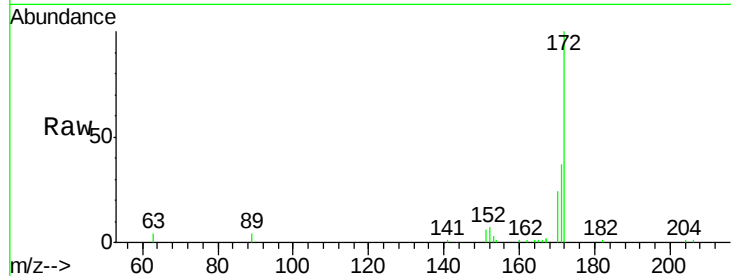




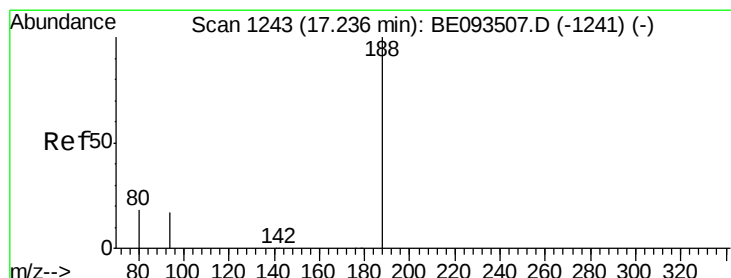
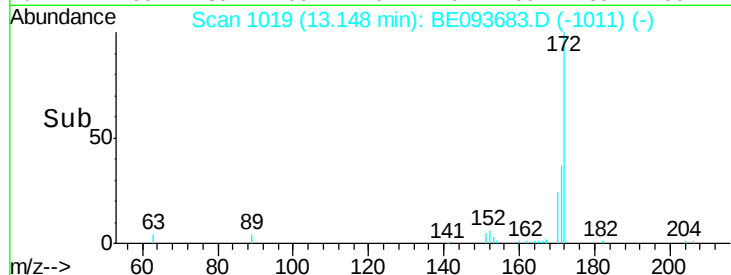
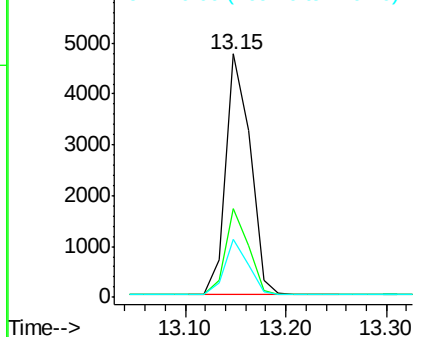
#15
2-Fluorobiphenyl
Concen: 0.231 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093683.D
Acq: 5 Aug 2017 20:06

Instrument :
BNA_E
ClientSampleId :
LASB-13A-2

Tgt Ion:172 Resp: 8052
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 24.1 20.7 31.1

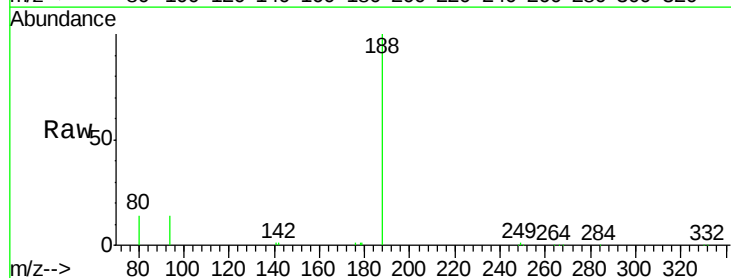


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

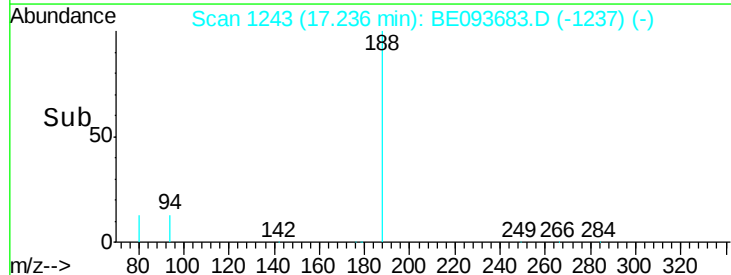
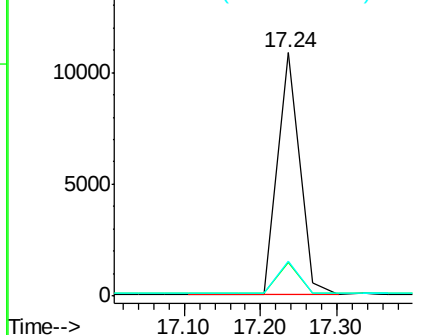


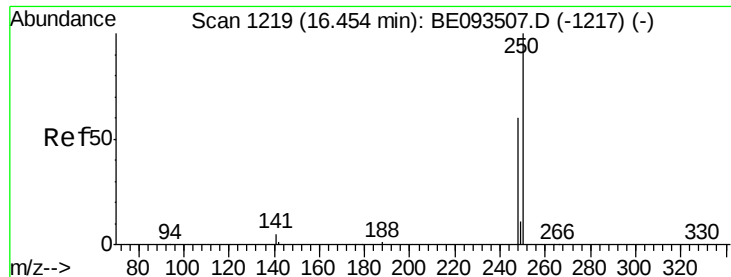
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093683.D
Acq: 5 Aug 2017 20:06

Tgt Ion:188 Resp: 22328
Ion Ratio Lower Upper
188 100
94 14.1 11.3 16.9
80 14.3 11.7 17.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

BNA_E

ClientSampleId :

LASB-13A-2

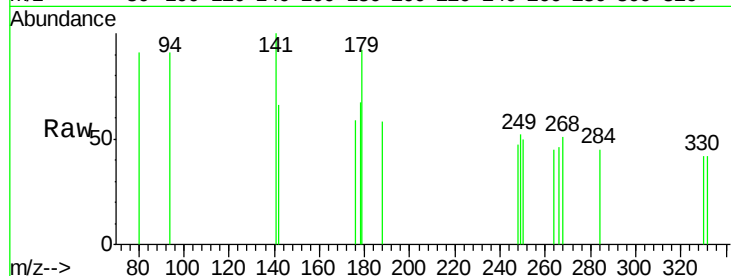
Tgt Ion:248 Resp: 8

Ion Ratio Lower Upper

248 100

250 106.0 128.0 192.0#

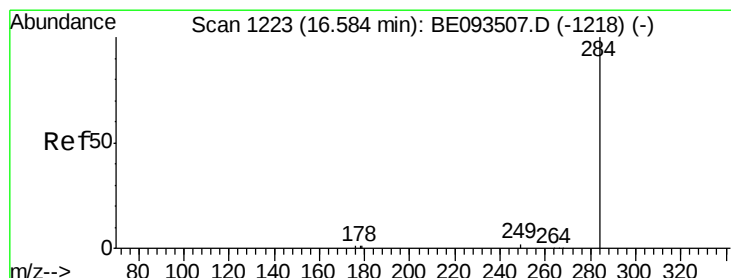
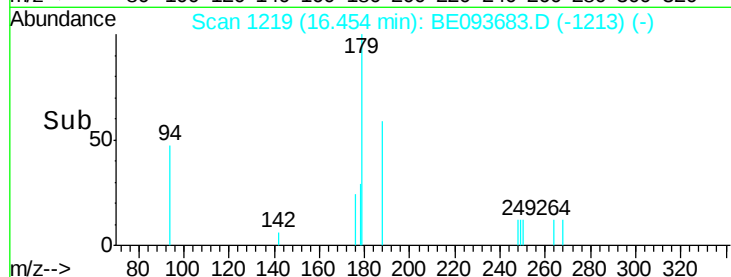
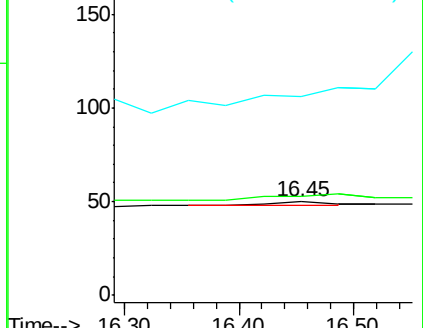
141 212.0 12.0 18.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

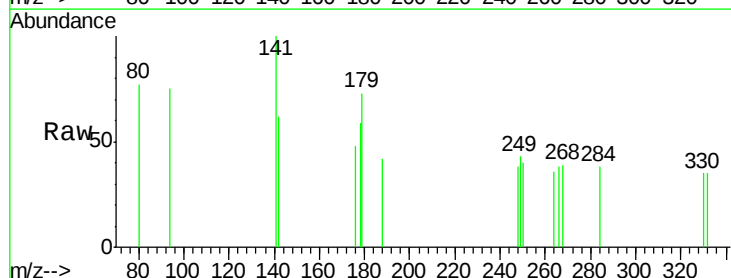
Tgt Ion:284 Resp: 2

Ion Ratio Lower Upper

284 100

142 1950.0 0.0 0.0#

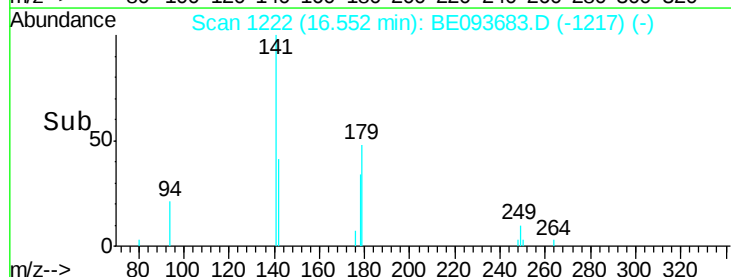
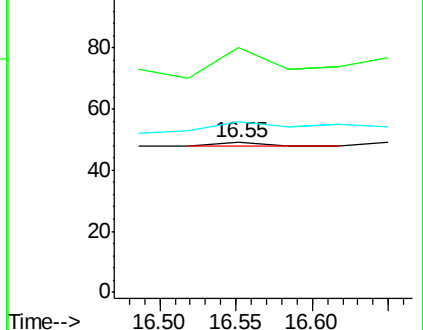
249 1150.0 0.0 0.0#

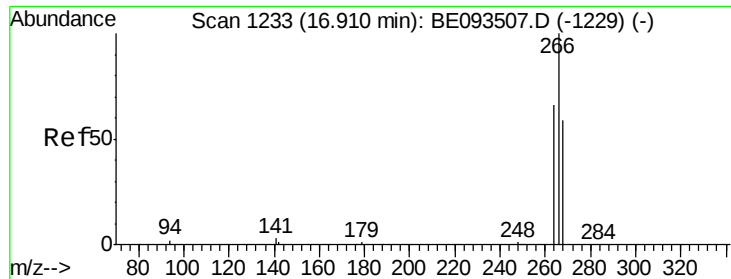


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

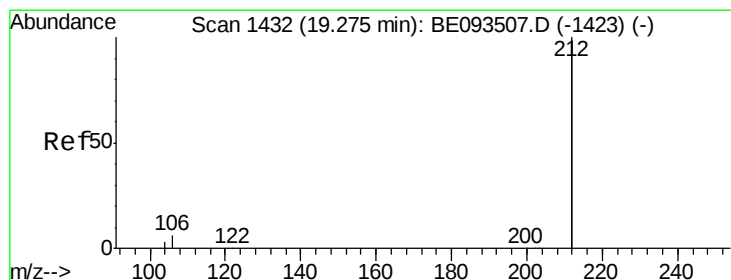
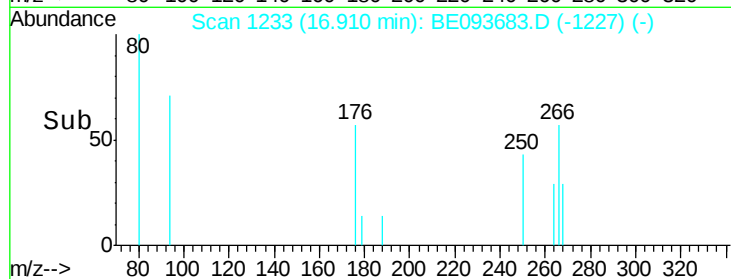
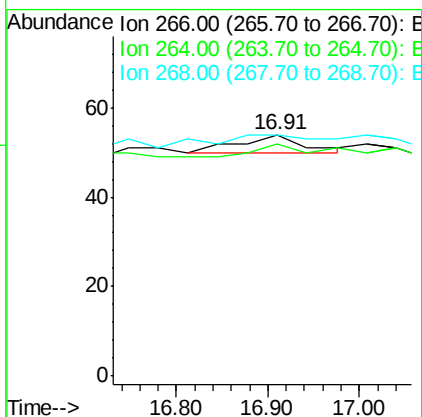
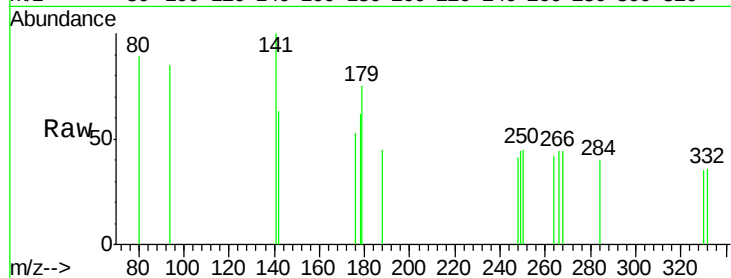




#22
 Pentachlorophenol
 Concen: 0.155 ng
 RT: 16.91 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

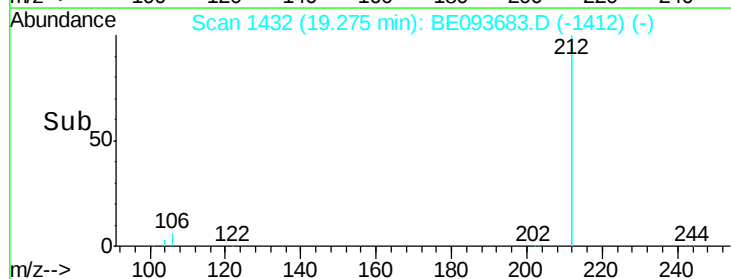
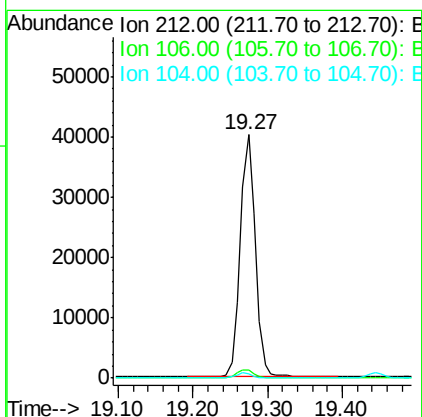
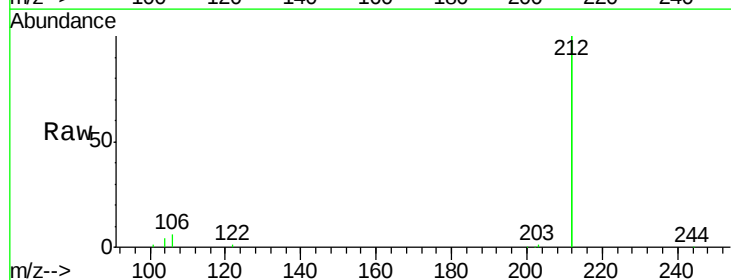
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-2

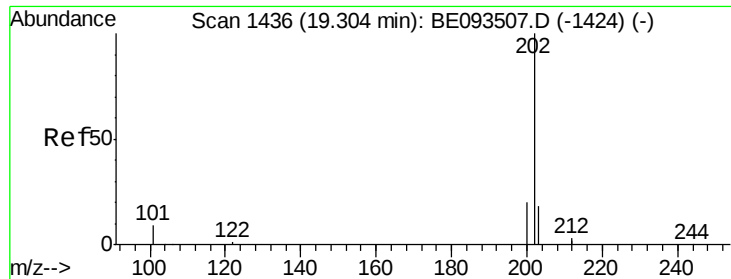
Tgt Ion: 266 Resp: 20
 Ion Ratio Lower Upper
 266 100
 264 96.3 56.0 84.0#
 268 100.0 52.0 78.0#



#25
 Fluoranthene-d10
 Concen: 0.222 ng
 RT: 19.27 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

Tgt Ion: 212 Resp: 56302
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.4 3.6
 104 2.0 1.6 2.4

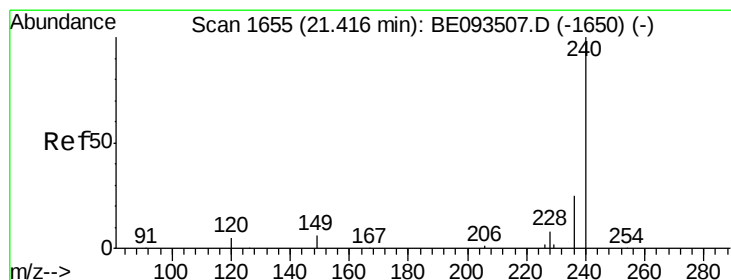
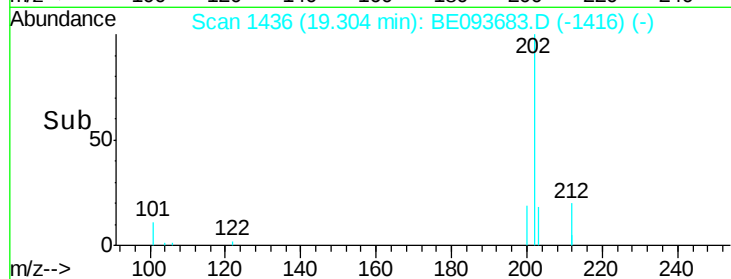
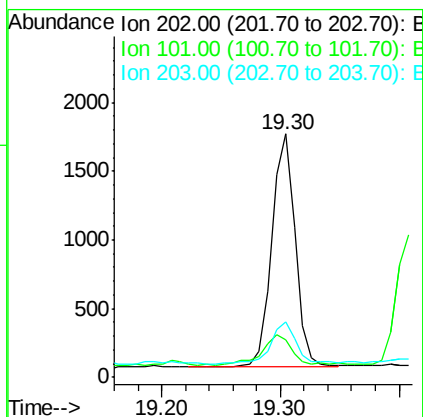
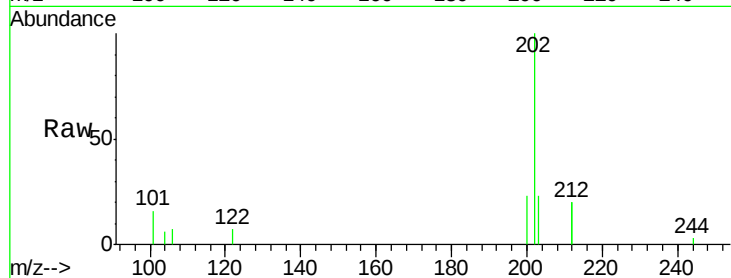




#26
 Fluoranthene
 Concen: 0.030 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

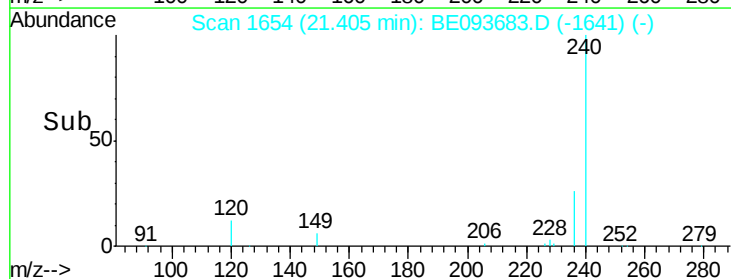
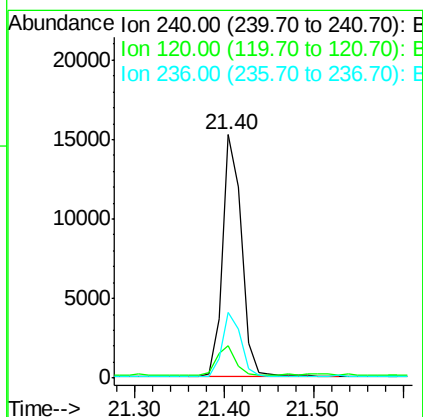
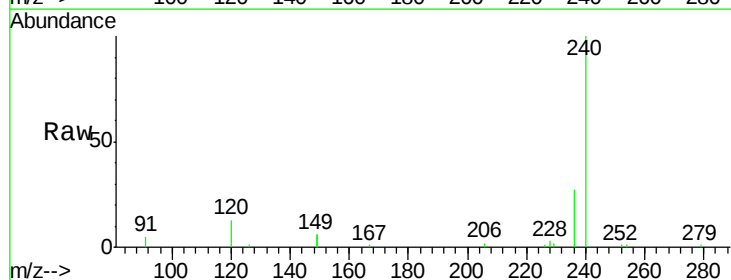
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-2

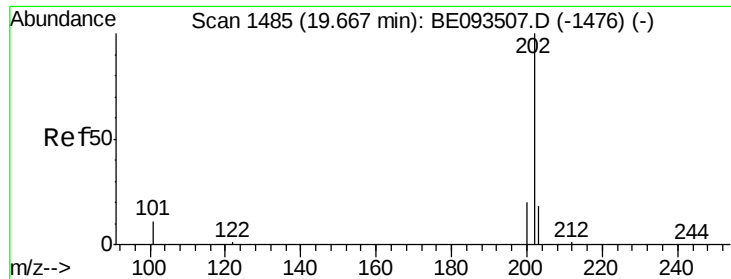
Tgt Ion: 202 Resp: 2317
 Ion Ratio Lower Upper
 202 100
 101 18.0 9.6 14.4#
 203 19.4 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

Tgt Ion: 240 Resp: 22537
 Ion Ratio Lower Upper
 240 100
 120 13.3 4.6 7.0#
 236 27.0 20.8 31.2

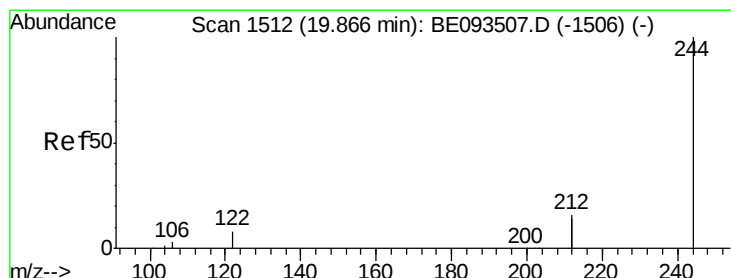
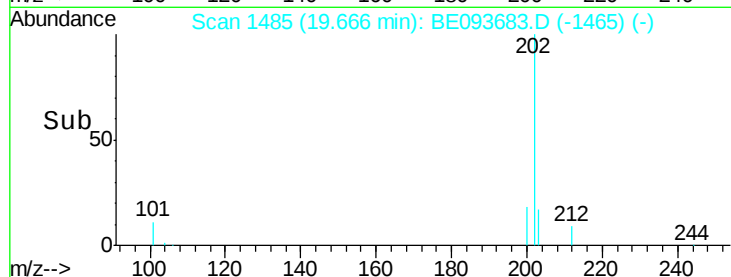
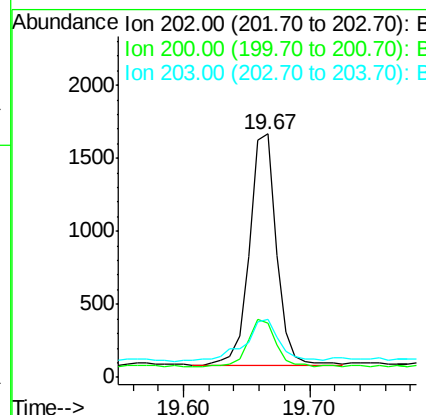
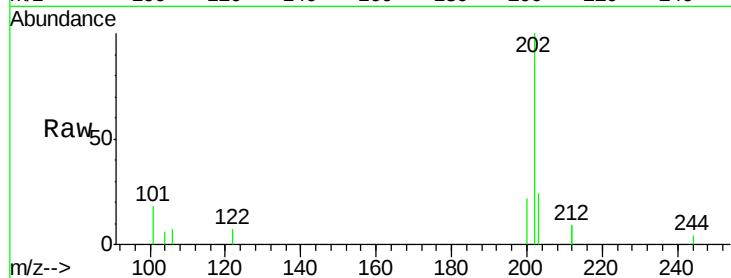




#28
 Pyrene
 Concen: 0.032 ng
 RT: 19.67 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

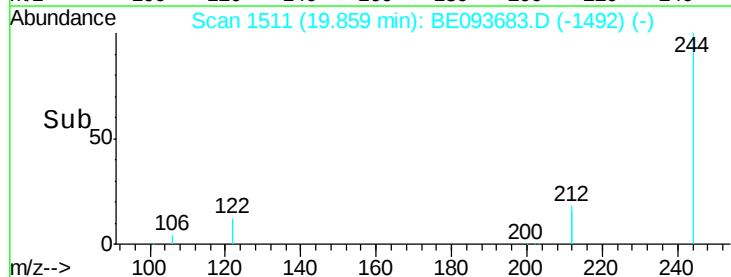
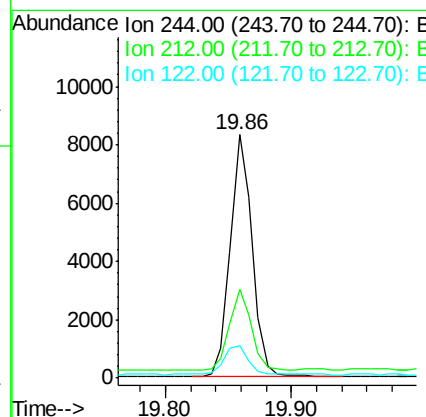
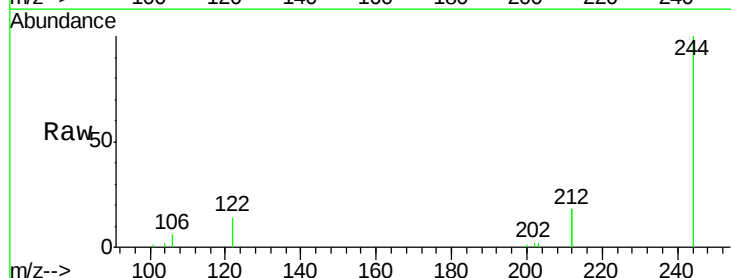
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-2

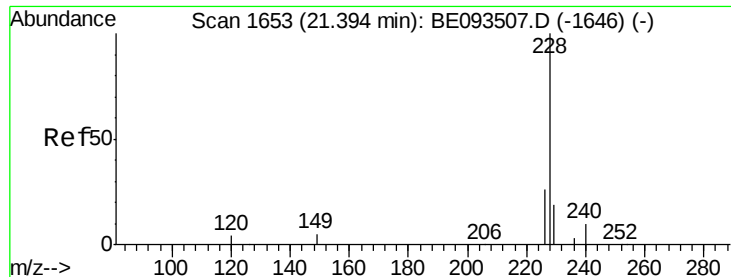
Tgt Ion: 202 Resp: 2357
 Ion Ratio Lower Upper
 202 100
 200 20.4 0.0 0.0#
 203 22.6 13.7 20.5#



#29
 Terphenyl-d14
 Concen: 0.244 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

Tgt Ion: 244 Resp: 9898
 Ion Ratio Lower Upper
 244 100
 212 36.3 10.6 16.0#
 122 13.6 15.4 23.0#





#30

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.39 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

BNA_E

ClientSampleId :

LASB-13A-2

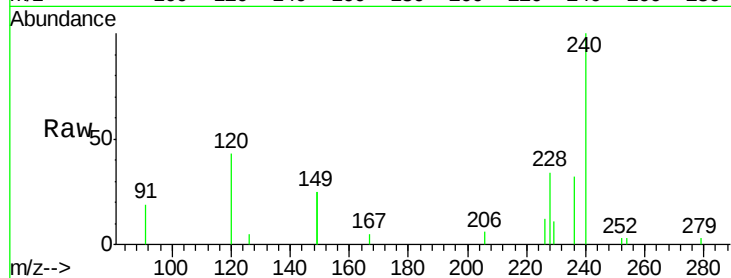
Tgt Ion:228 Resp: 1860

Ion Ratio Lower Upper

228 100

226 35.7 19.7 29.5#

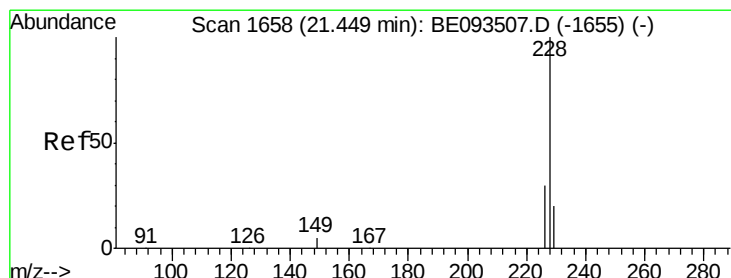
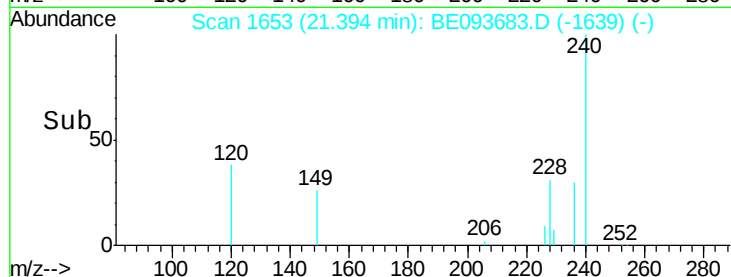
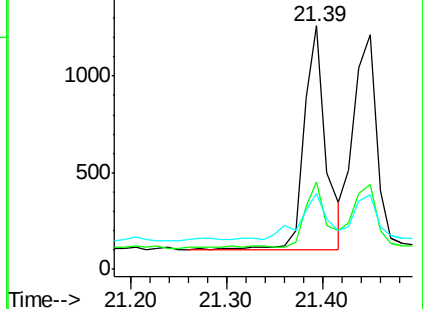
229 31.3 19.2 28.8#



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: 0.025 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

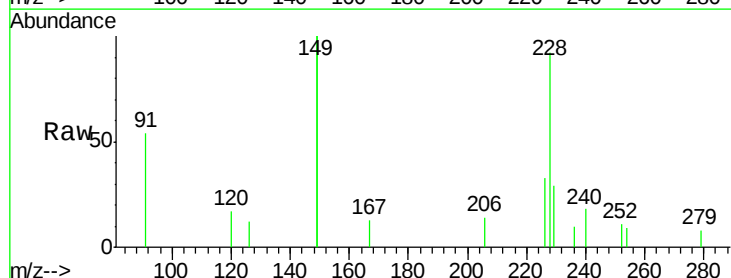
Tgt Ion:228 Resp: 1846

Ion Ratio Lower Upper

228 100

226 35.9 21.5 32.3#

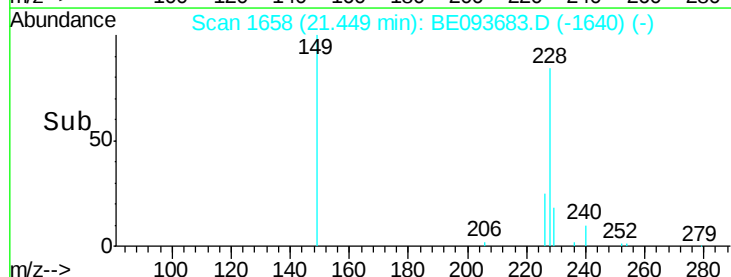
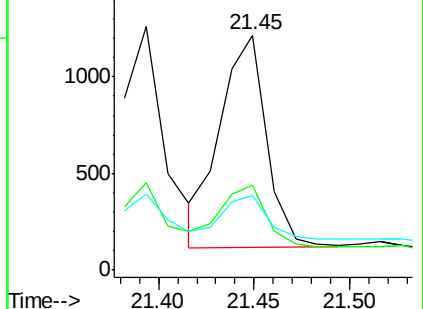
229 31.8 18.6 28.0#

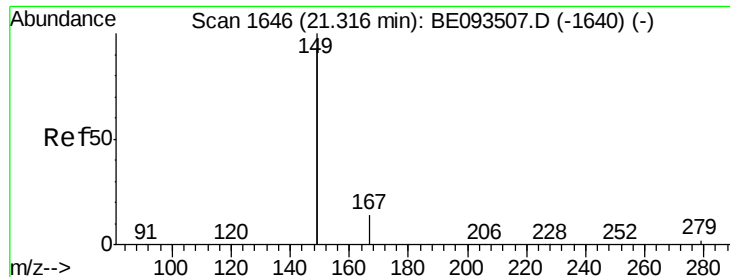


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

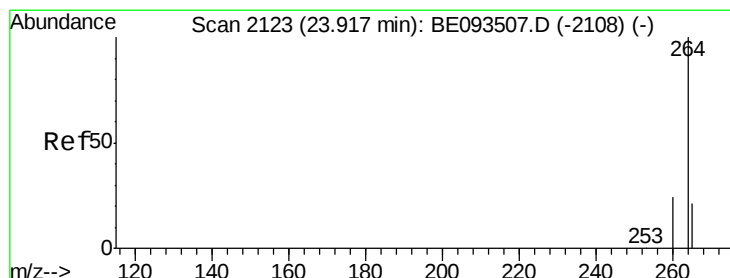
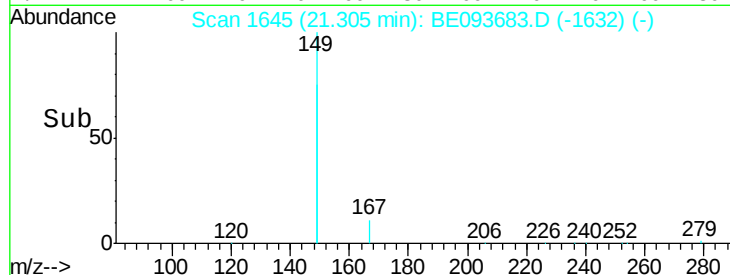
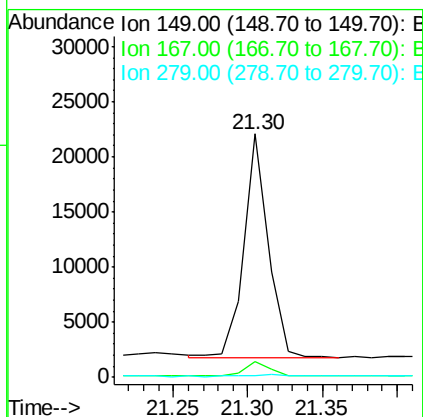
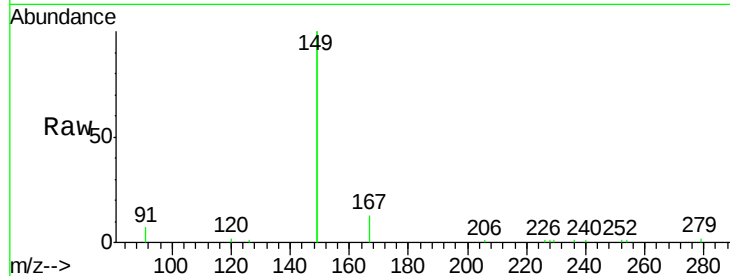




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.252 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

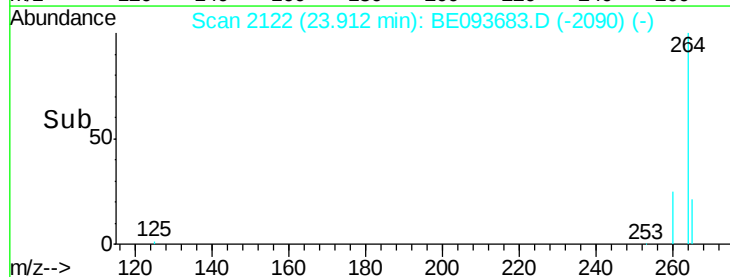
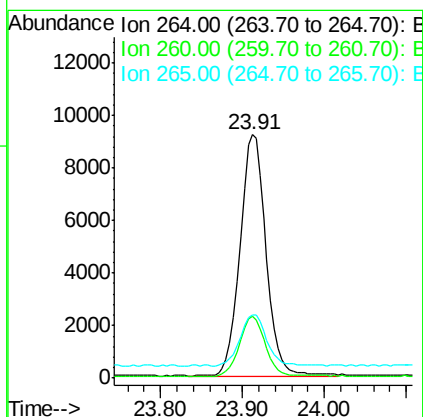
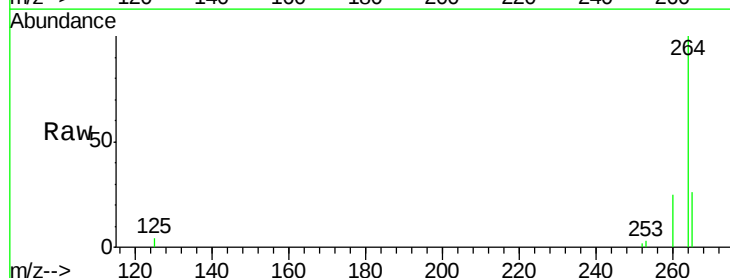
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-2

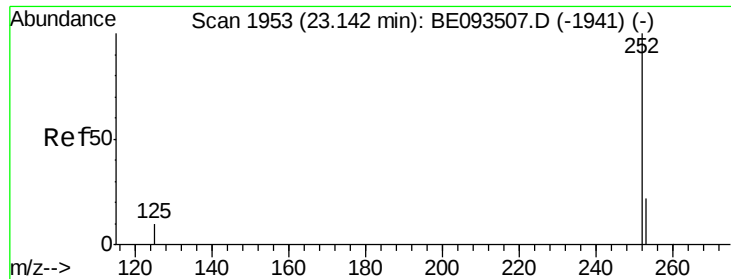
Tgt Ion:149 Resp: 22791
 Ion Ratio Lower Upper
 149 100
 167 6.7 4.8 7.2
 279 1.0 0.8 1.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.00 min
 Lab File: BE093683.D
 Acq: 5 Aug 2017 20:06

Tgt Ion:264 Resp: 20140
 Ion Ratio Lower Upper
 264 100
 260 25.2 21.0 31.4
 265 26.1 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.034 ng

RT: 23.15 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

BNA_E

ClientSampleId :

LASB-13A-2

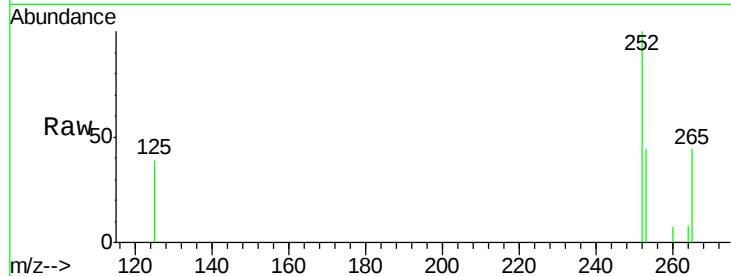
Tgt Ion:252 Resp: 2478

Ion Ratio Lower Upper

252 100

253 43.8 18.5 27.7#

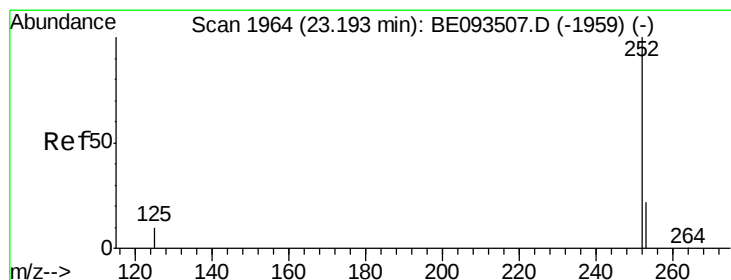
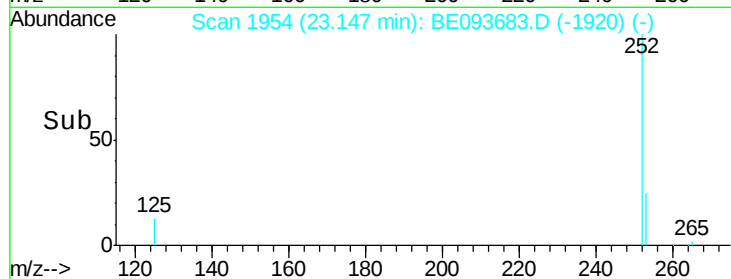
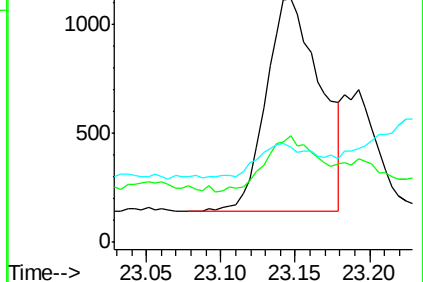
125 38.9 13.4 20.0#



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: 0.034 ng

RT: 23.15 min Scan# 1954

Delta R.T. -0.05 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

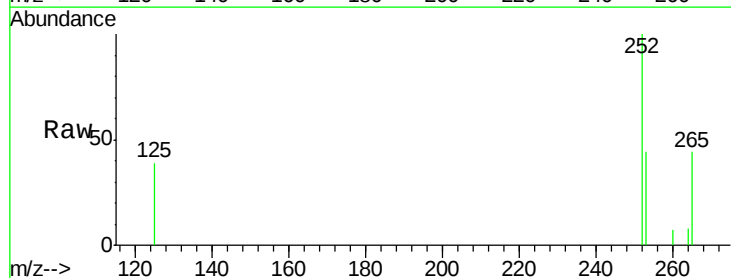
Tgt Ion:252 Resp: 2478

Ion Ratio Lower Upper

252 100

253 43.8 20.3 30.5#

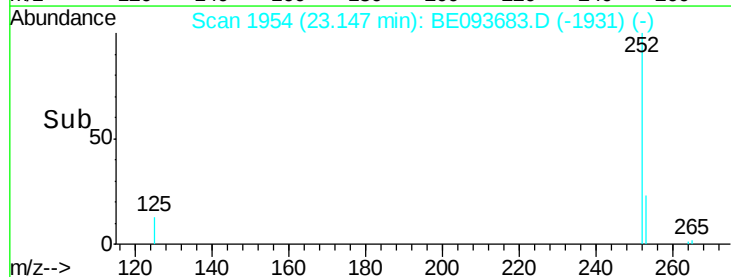
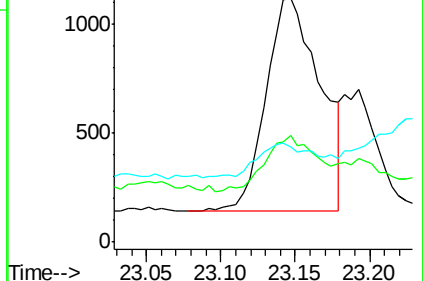
125 38.9 12.2 18.4#

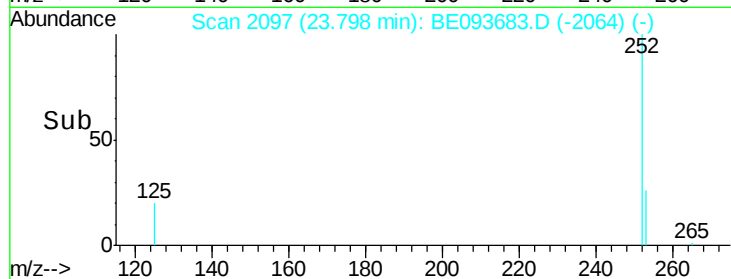
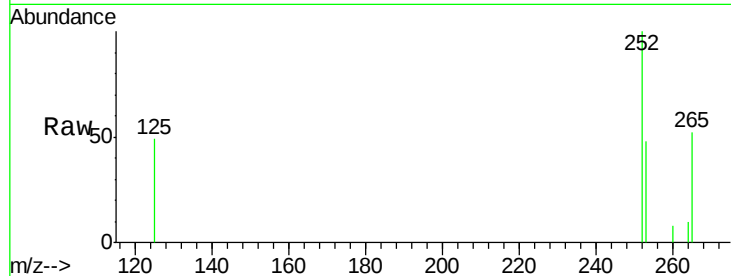
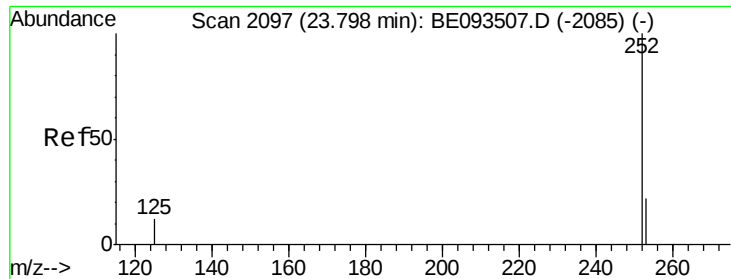


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.80 min Scan# 2097

Delta R.T. -0.00 min

Lab File: BE093683.D

Acq: 5 Aug 2017 20:06

Instrument :

BNA_E

ClientSampleId :

LASB-13A-2

Tgt Ion: 252 Resp: 1566

Ion Ratio Lower Upper

252 100

253 48.4 19.9 29.9#

125 49.0 14.6 21.8#

