

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093686.D
 Acq On : 5 Aug 2017 22:00
 Operator : SJ/JU
 Sample : I4427-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-15B-1

Manual Integrations
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 8/7/2017 6:05:16 PM

Quant Time: Aug 06 03:49:45 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	3215	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	15995	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	9219	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	24737	0.40	ng	0.00
27) Chrysene-d12	21.40	240	23094	0.40	ng	-0.01
34) Perylene-d12	23.91	264	20778	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.52	112	2574	0.27	ng	0.00
5) Phenol-d6	7.09	99	4822	0.33	ng	0.00
8) Nitrobenzene-d5	9.06	82	6190	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5692	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	661	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7619	0.21	ng	-0.01
25) Fluoranthene-d10	19.27	212	56067	0.20	ng	0.00
29) Terphenyl-d14	19.86	244	11536	0.28	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.76	128	40769	0.220	ng	# 98
12) 2-Methylnaphthalene	12.36	142	1725	0.056	ng	97
16) Acenaphthylene	14.24	152	1331	0.030	ng	# 85
17) Acenaphthene	14.59	154	738	0.024	ng	95
18) Fluorene	15.56	166	1351	0.033	ng	# 81
23) Phenanthrene	17.27	178	15776	0.290	ng	96
24) Anthracene	17.37	178	4966m	0.067	ng	
26) Fluoranthene	19.30	202	47796	0.552	ng	99
28) Pyrene	19.66	202	41206	0.552	ng	# 90
30) Benzo(a)anthracene	21.39	228	17666	0.260	ng	95
31) Chrysene	21.45	228	16142	0.213	ng	98
32) Bis(2-ethylhexyl)phthalate	21.30	149	58423	0.631	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	7468	0.109	ng	# 90
35) Benzo(b)fluoranthene	23.15	252	19809	0.267	ng	96
36) Benzo(k)fluoranthene	23.19	252	5497m	0.073	ng	
37) Benzo(a)pyrene	23.80	252	12341	0.184	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	1789	0.028	ng	# 72
39) Benzo(g,h,i)perylene	27.36	276	7574	0.115	ng	97

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

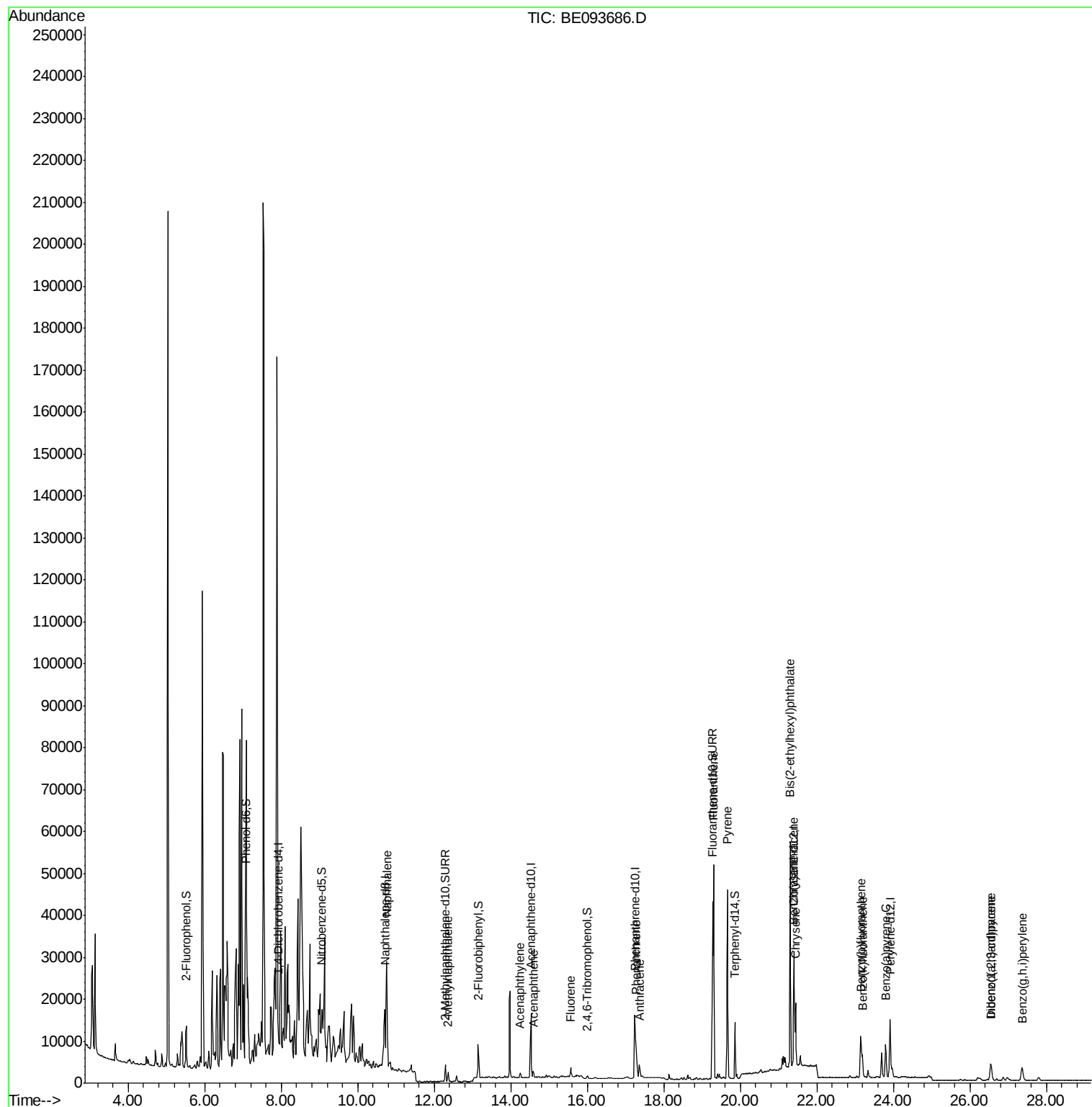
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
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#1

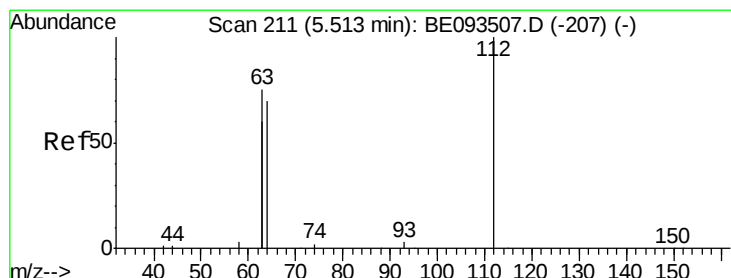
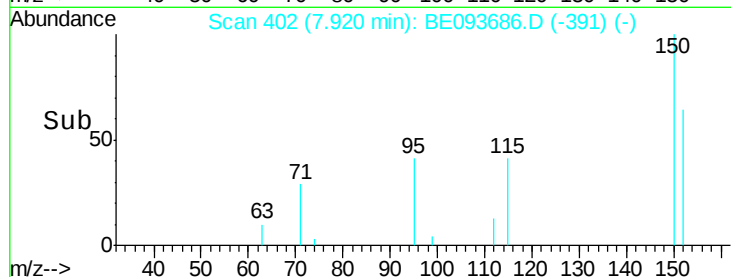
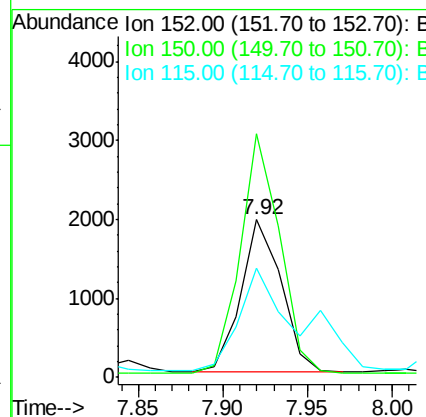
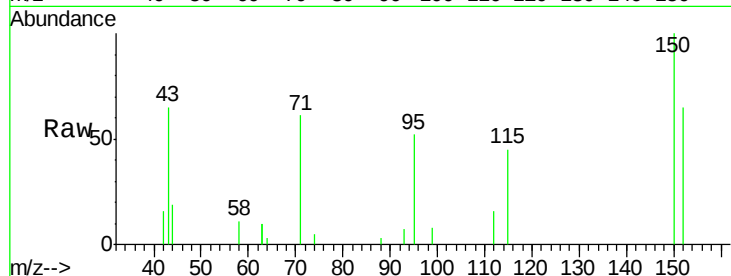
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Instrument :
BNA_E
ClientSampleId :
LASB-15B-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.1	187.7
115	69.5	55.7	83.5

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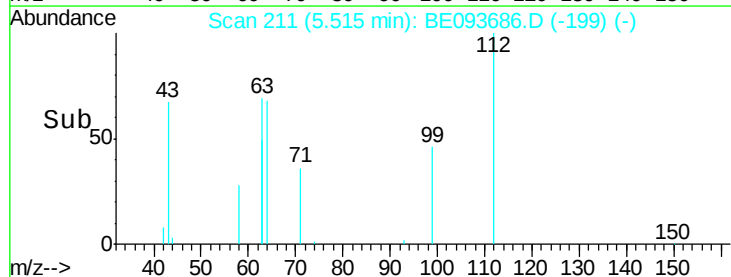
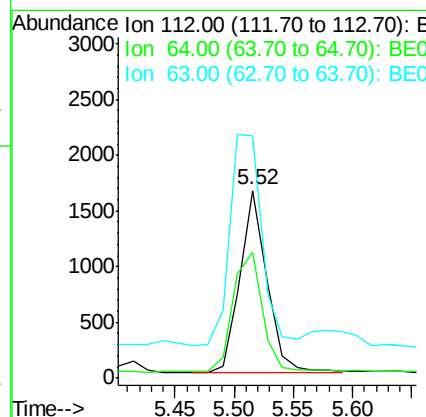
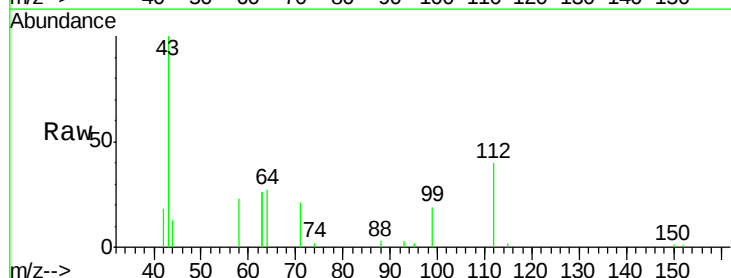
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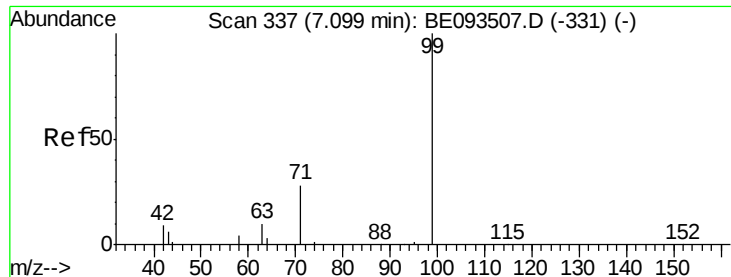


#4

2-Fluorophenol
Concen: 0.269 ng
RT: 5.52 min Scan# 211
Delta R.T. 0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.6	56.4	84.6
63	138.3	29.3	43.9#





#5

Phenol-d6

Concen: 0.334 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Instrument :

BNA_E

ClientSampleId :

LASB-15B-1

Tgt Ion: 99 Resp: 4822

Ion Ratio Lower Upper

99 100

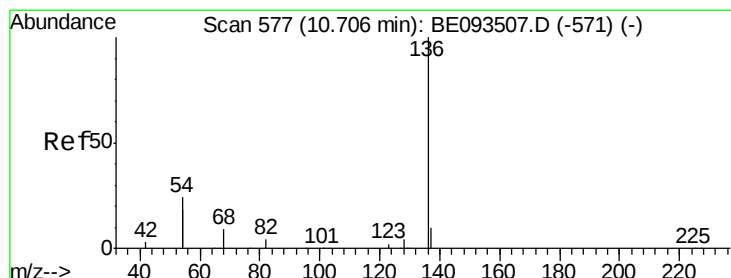
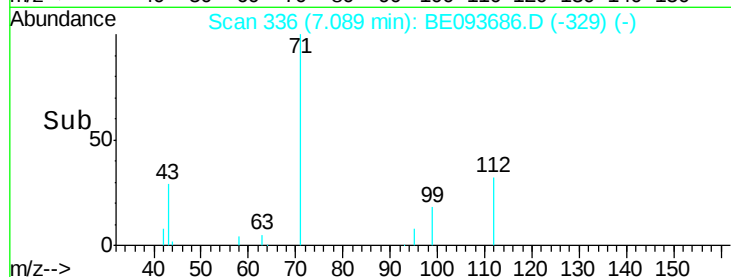
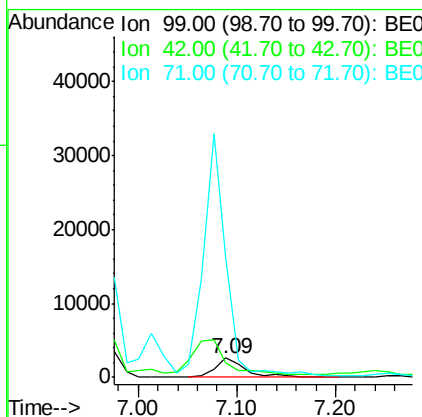
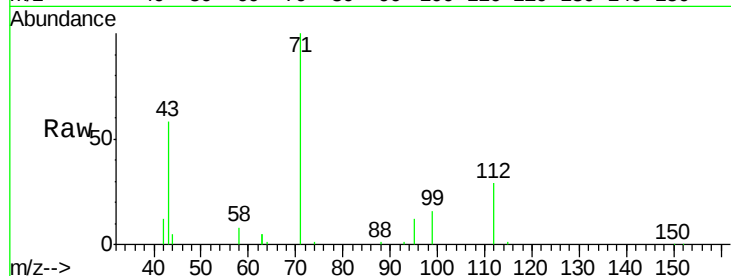
42 229.1 0.0 0.0#

71 1068.1 0.0 0.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Tgt Ion: 136 Resp: 15995

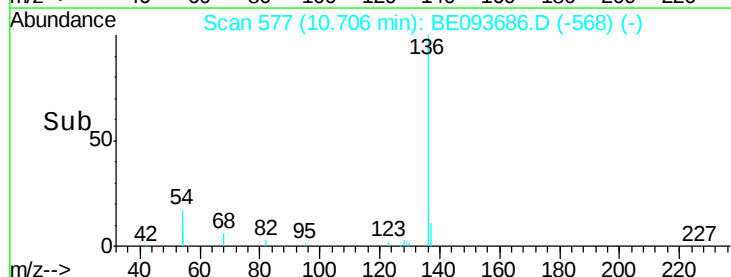
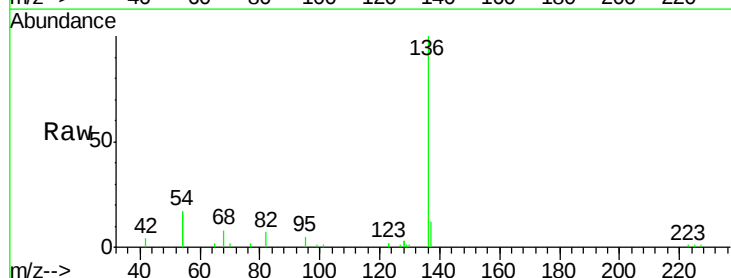
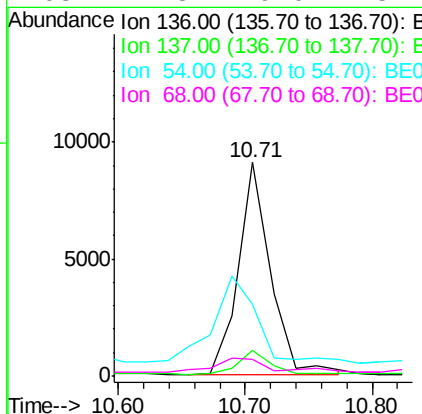
Ion Ratio Lower Upper

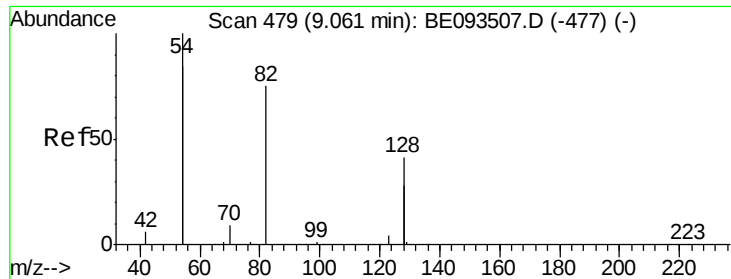
136 100

137 12.0 9.8 14.8

54 33.5 10.3 15.5#

68 7.8 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.507 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Instrument :

BNA_E

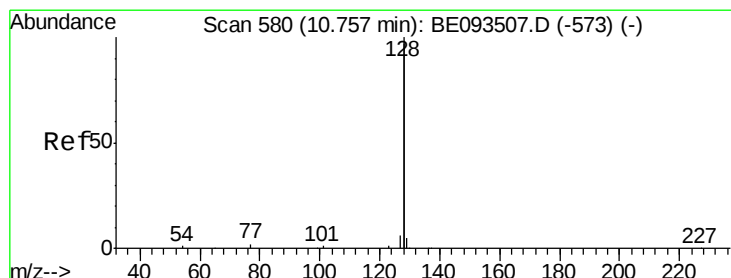
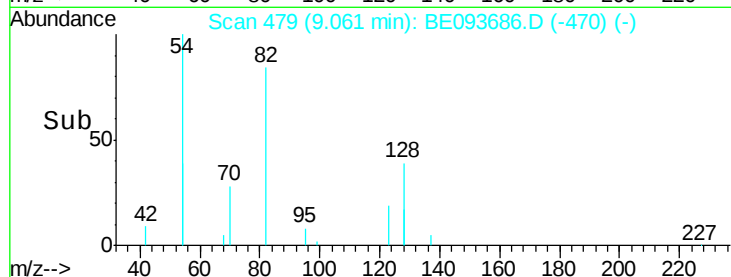
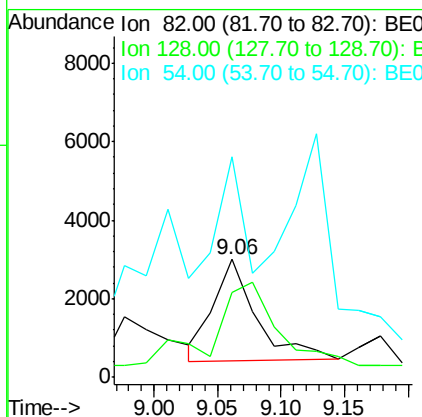
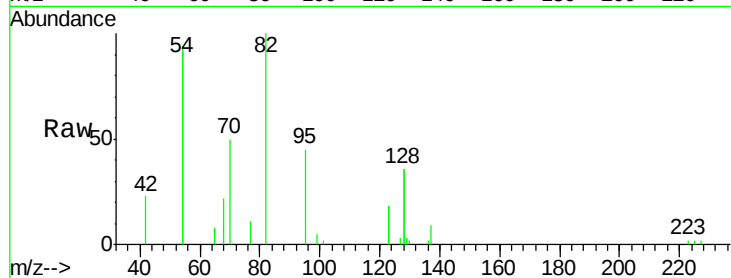
ClientSampleId :

LASB-15B-1

Tgt Ion:	82	Resp:	6190
Ion Ratio	Lower	Upper	
82	100		
128	72.7	17.0	25.4#
54	187.8	53.8	80.6#

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#9

Naphthalene

Concen: 0.220 ng

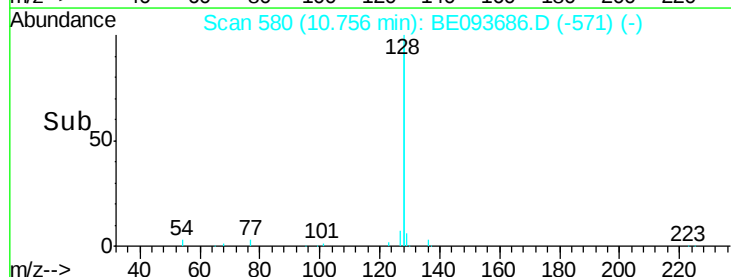
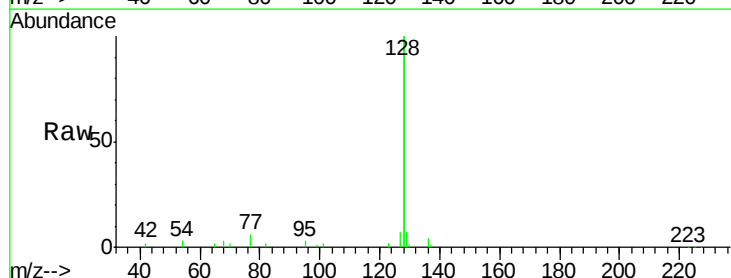
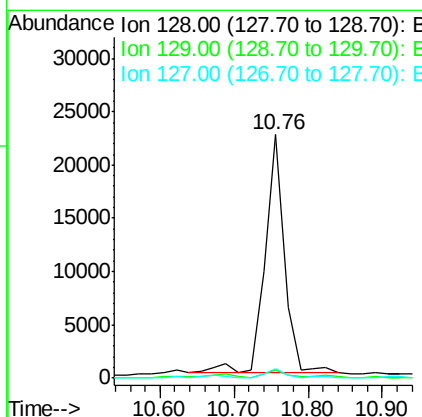
RT: 10.76 min Scan# 580

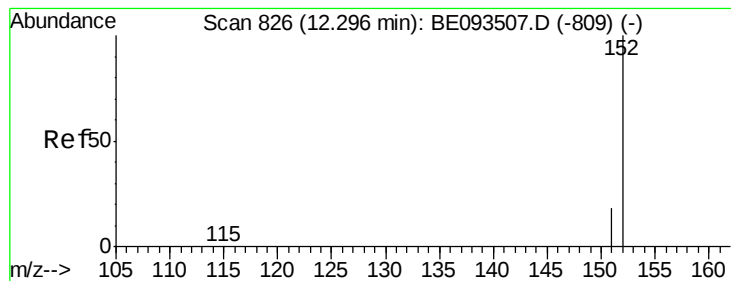
Delta R.T. -0.00 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Tgt Ion:	128	Resp:	40769
Ion Ratio	Lower	Upper	
128	100		
129	3.5	2.4	3.6
127	3.6	2.4	3.6#





#11

2-Methylnaphthalene-d10

Concen: 0.225 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Instrument :

BNA_E

ClientSampleId :

LASB-15B-1

Tgt Ion:152 Resp: 5692

Ion Ratio Lower Upper

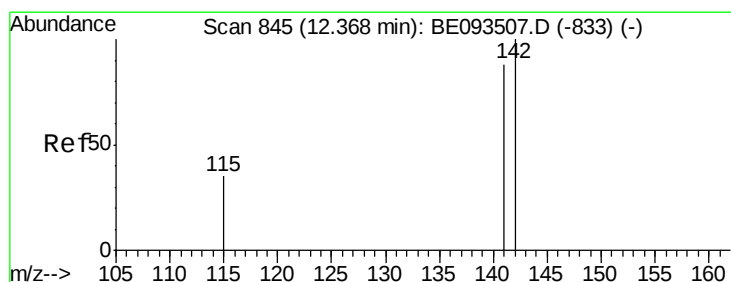
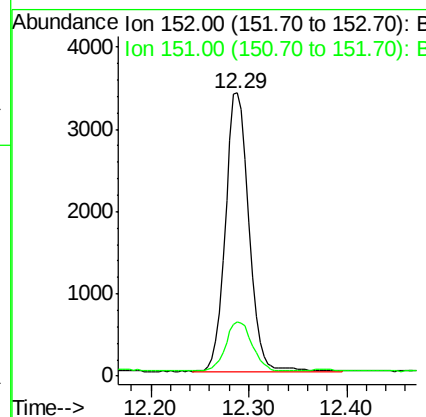
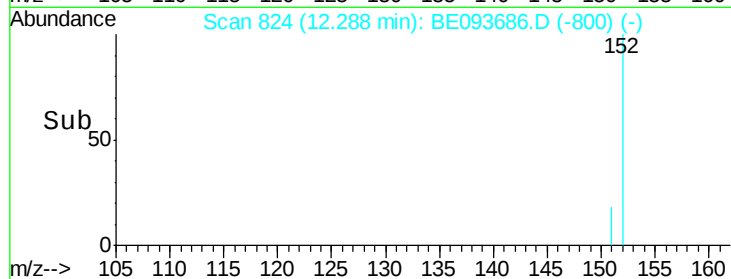
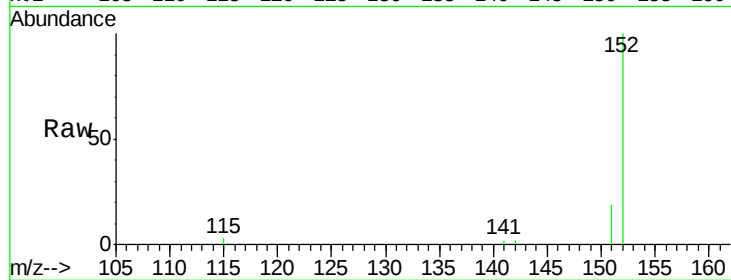
152 100

151 19.6 15.1 22.7

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#12

2-Methylnaphthalene

Concen: 0.056 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

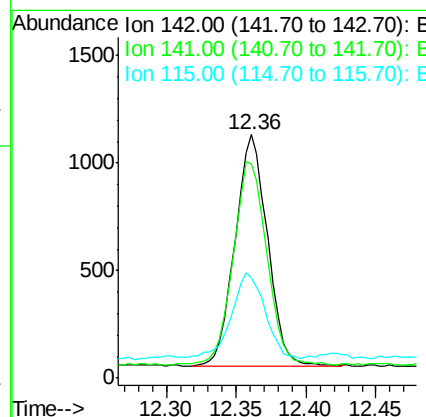
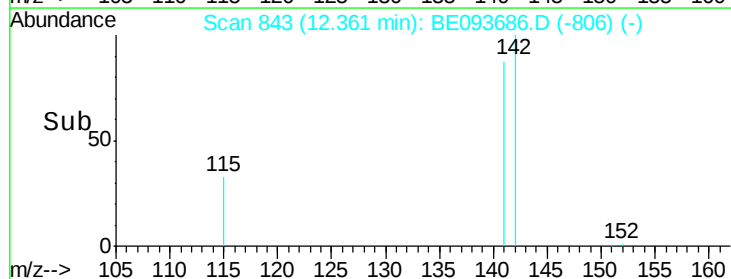
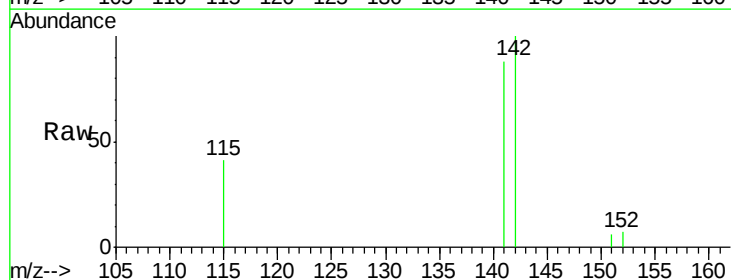
Tgt Ion:142 Resp: 1725

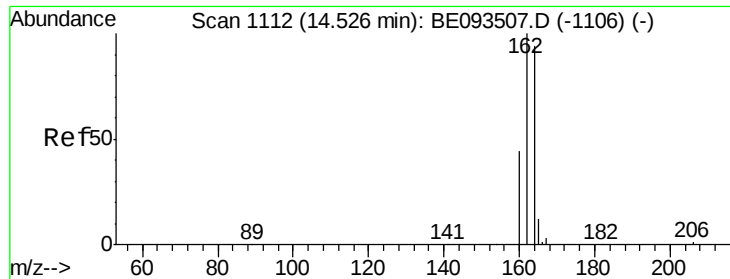
Ion Ratio Lower Upper

142 100

141 87.9 72.6 108.8

115 41.2 32.2 48.2





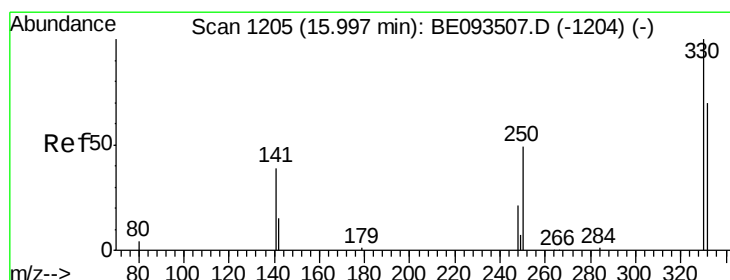
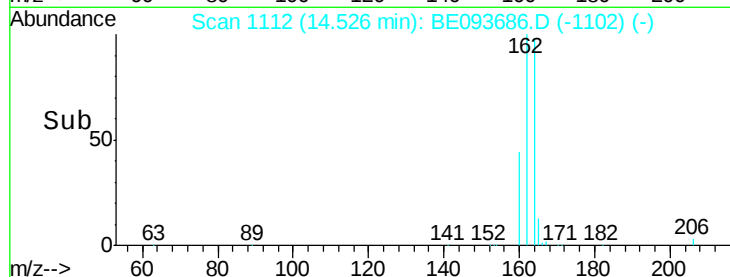
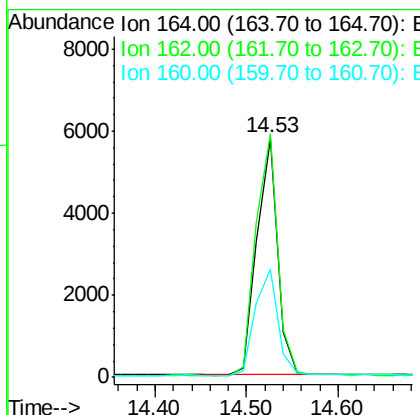
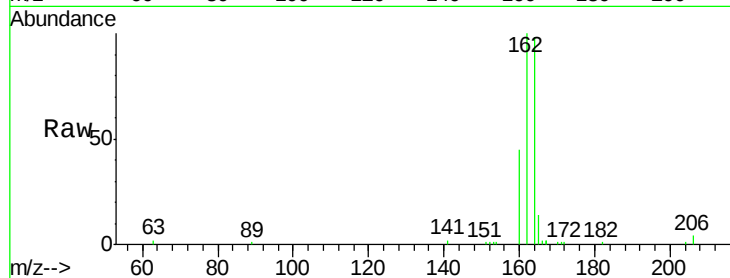
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BE093686.D
 Acq: 5 Aug 2017 22:00

Instrument :
 BNA_E
 ClientSampleId :
 LASB-15B-1

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	84.6	127.0
160	45.5	41.8	62.6

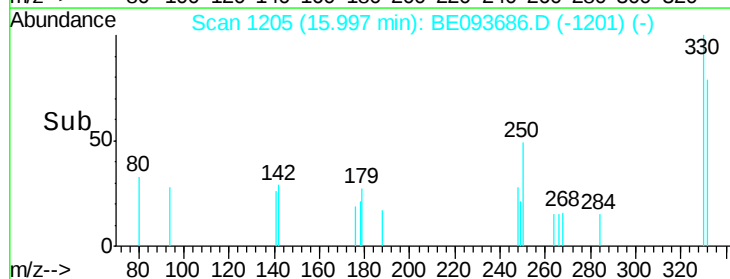
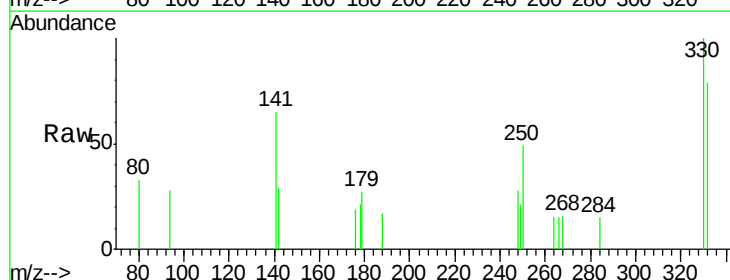
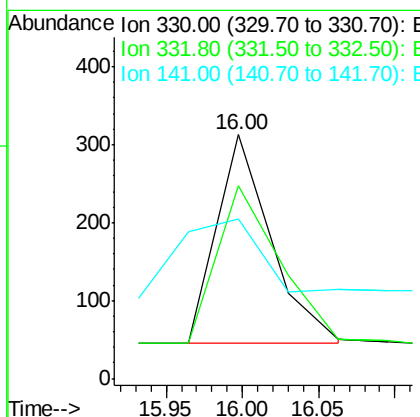
Manual Integrations
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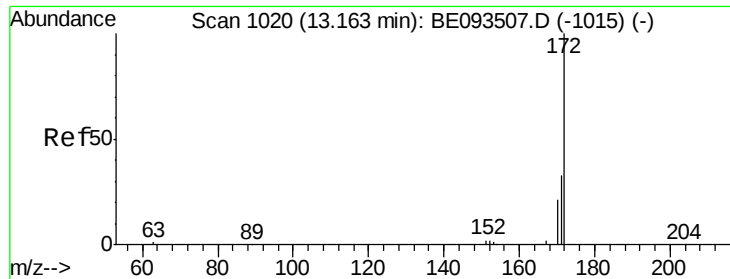
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#14
 2,4,6-Tribromophenol
 Concen: 0.347 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE093686.D
 Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	87.6	77.7	116.5
141	58.2	56.2	84.4





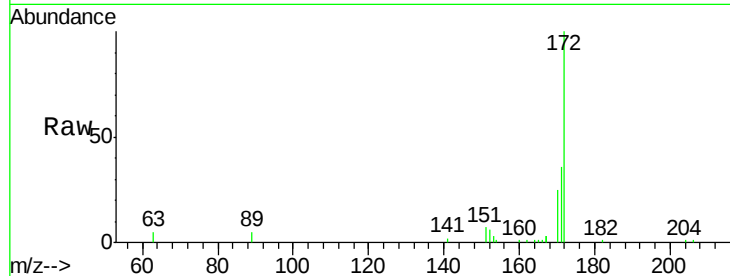
#15
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Instrument :
BNA_E
ClientSampleId :
LASB-15B-1

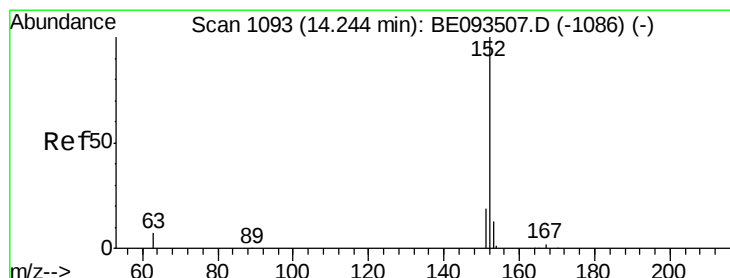
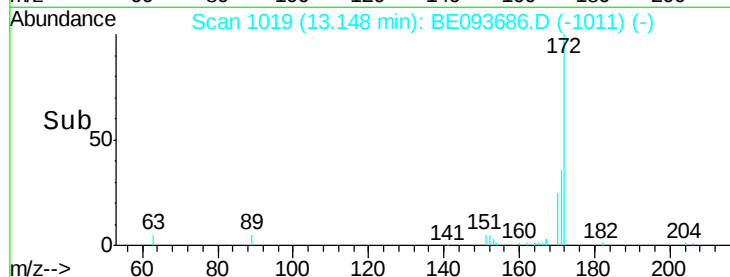
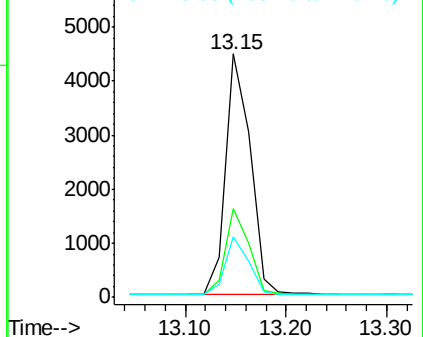
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	24.9	20.7	31.1

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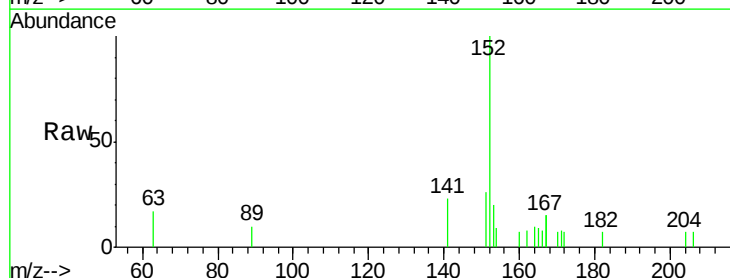


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

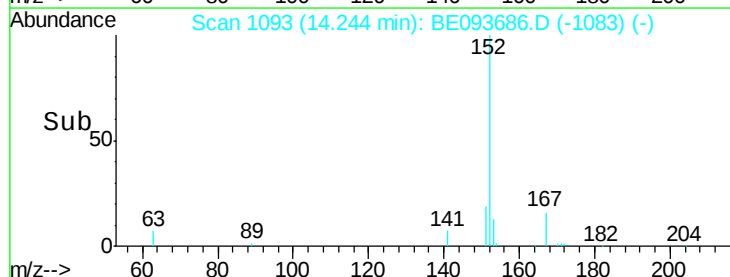
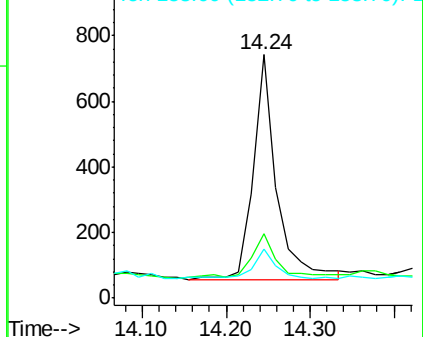


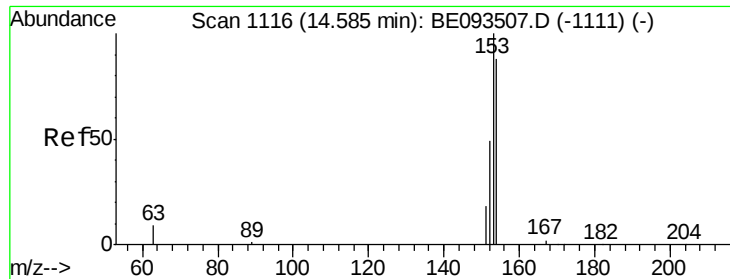
#16
Acenaphthylene
Concen: 0.030 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	4.0	6.0#
153	12.6	10.3	15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





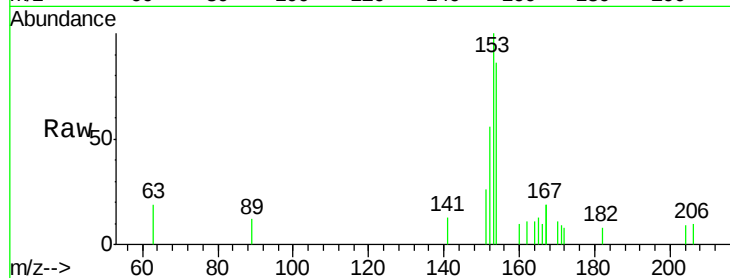
#17
Acenaphthene
Concen: 0.024 ng
RT: 14.59 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Instrument :
BNA_E
ClientSampleId :
LASB-15B-1

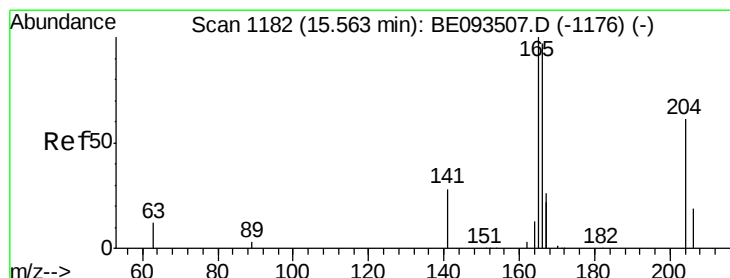
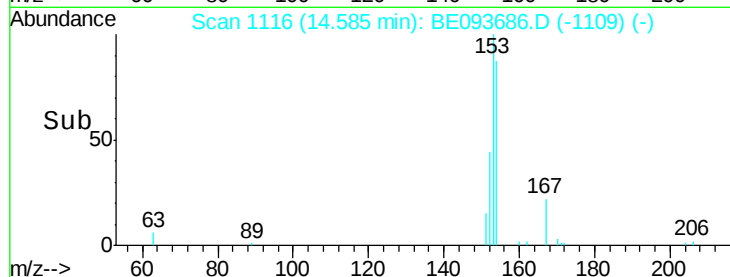
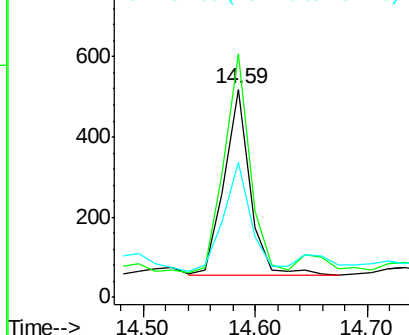
Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.8	91.2	136.8
152	62.5	44.8	67.2

Manual Integrations
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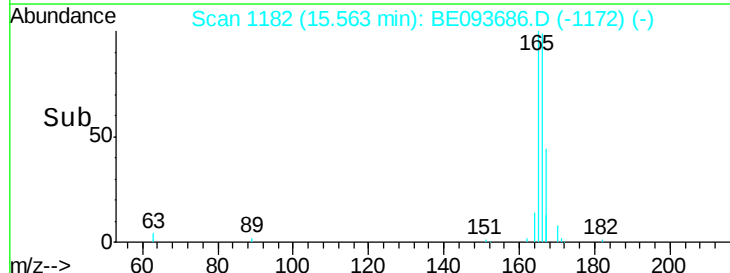
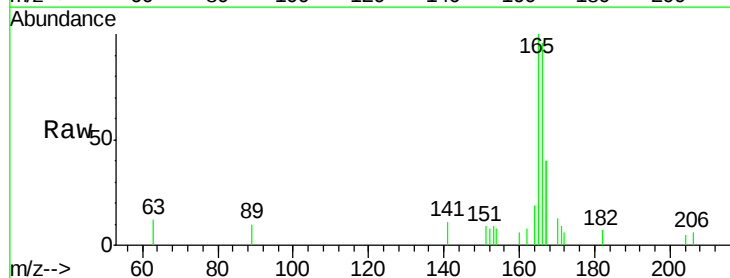
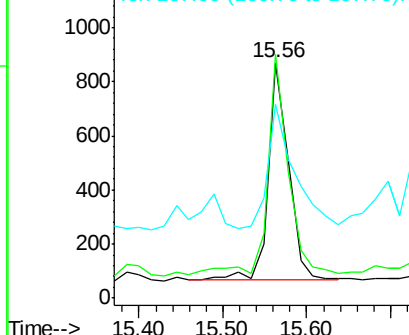
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

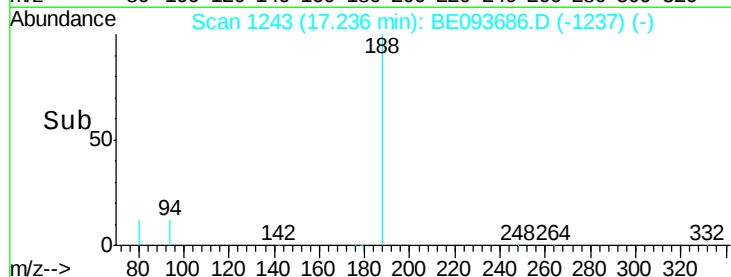
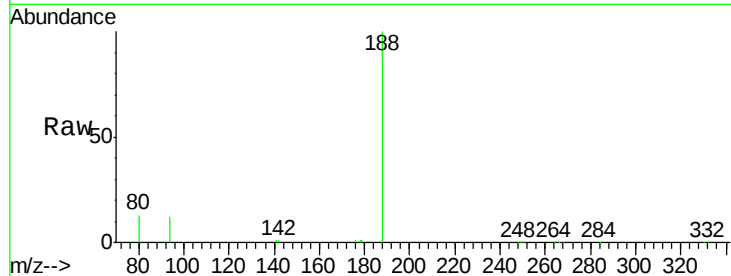
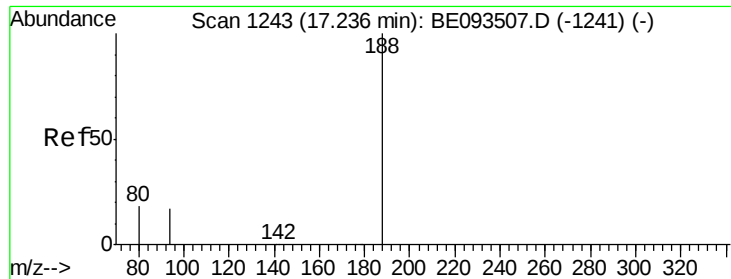


#18
Fluorene
Concen: 0.033 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.6	117.8
167	75.0	11.1	16.7#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





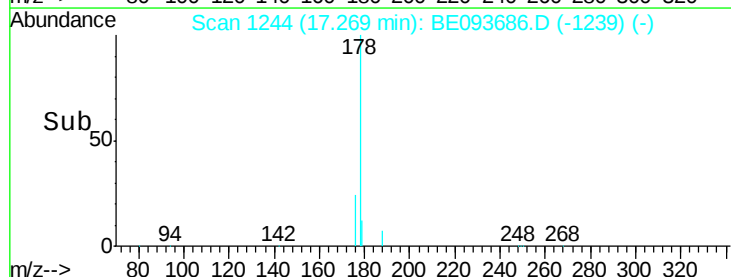
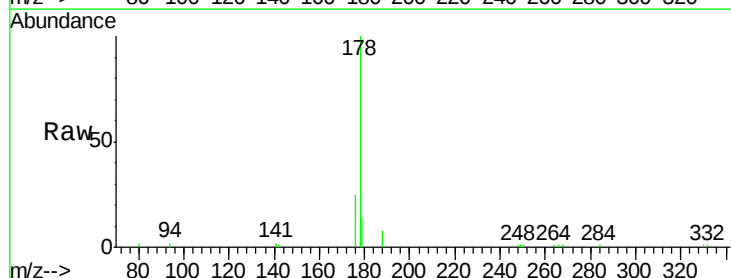
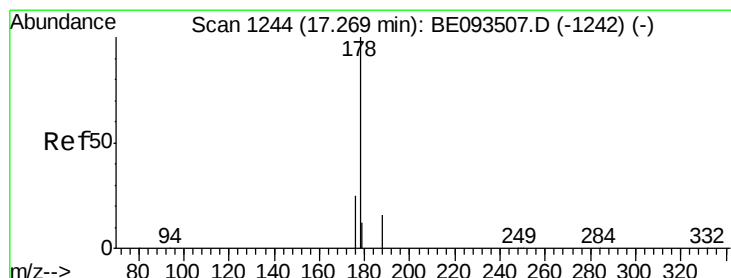
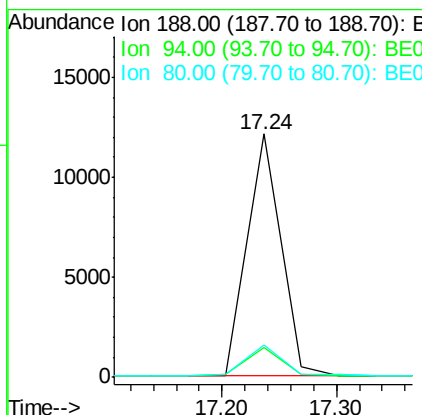
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	24737		
94	12.5		11.3	16.9
80	13.1		11.7	17.5

Instrument :
BNA_E
ClientSampleId :
LASB-15B-1

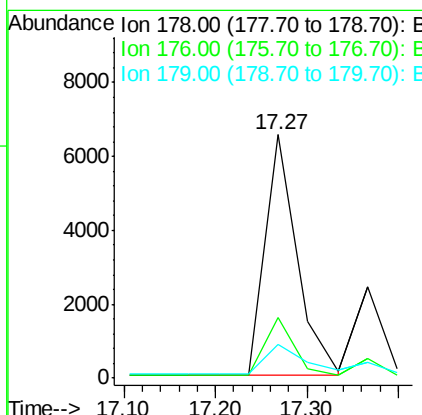
Manual Integrations
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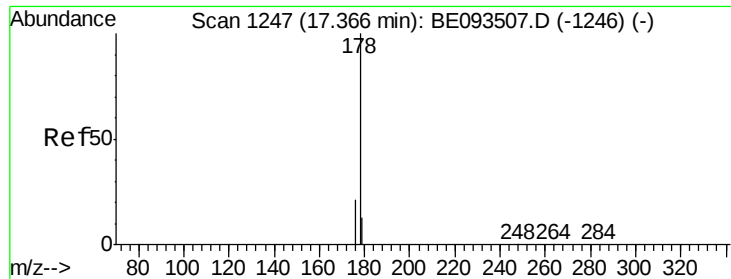
Sohil
8/7/2017 6:05:16 PM



#23
Phenanthrene
Concen: 0.290 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	15776		
176	21.9		15.0	22.4
179	15.6		12.7	19.1





#24

Anthracene

Concen: 0.067 ng m

RT: 17.37 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Instrument :

BNA_E

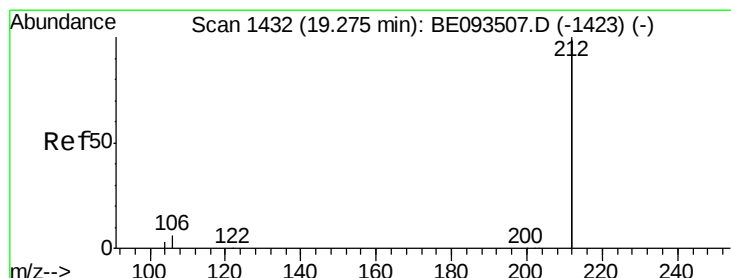
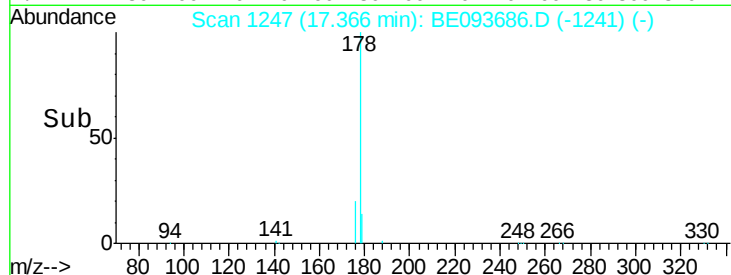
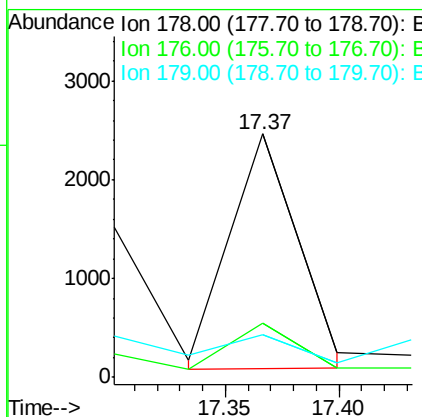
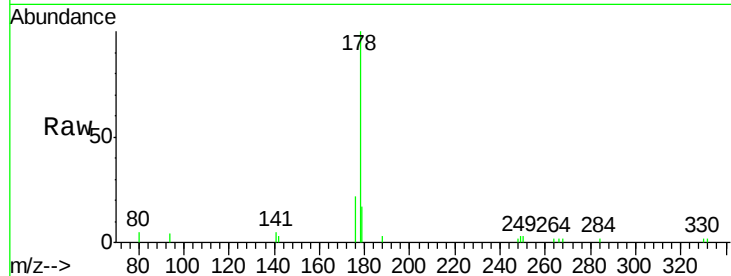
ClientSampleId :

LASB-15B-1

Tgt Ion:	178	Resp:	4966
Ion Ratio	Lower	Upper	
178	100		
176	68.6	14.6	22.0#
179	60.9	12.0	18.0#

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#25

Fluoranthene-d10

Concen: 0.200 ng

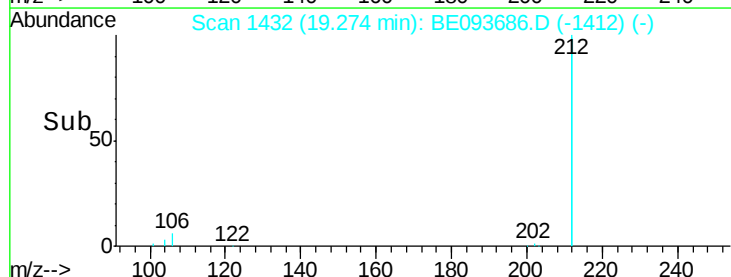
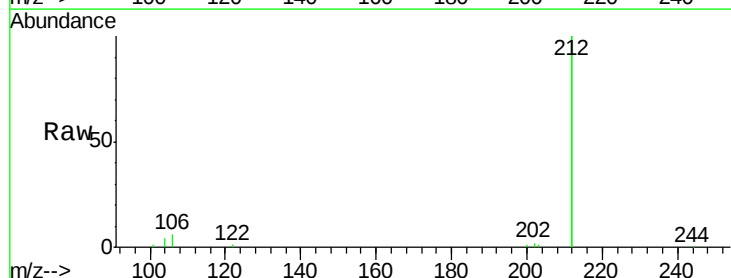
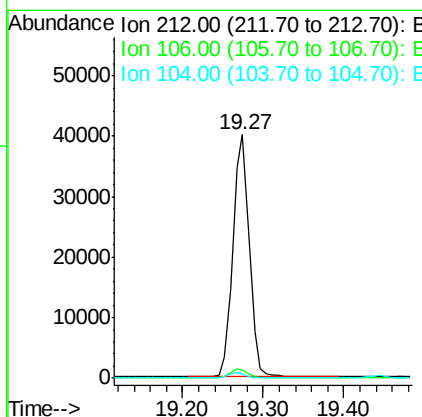
RT: 19.27 min Scan# 1432

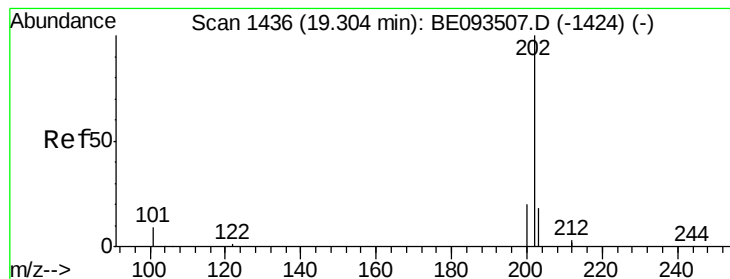
Delta R.T. -0.00 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Tgt Ion:	212	Resp:	56067
Ion Ratio	Lower	Upper	
212	100		
106	3.6	2.4	3.6#
104	2.0	1.6	2.4





#26

Fluoranthene

Concen: 0.552 ng

RT: 19.30 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Instrument :

BNA_E

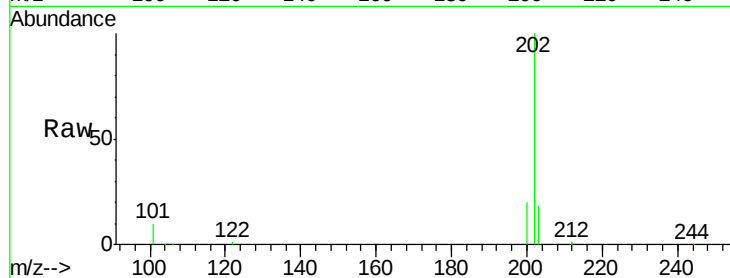
ClientSampleId :

LASB-15B-1

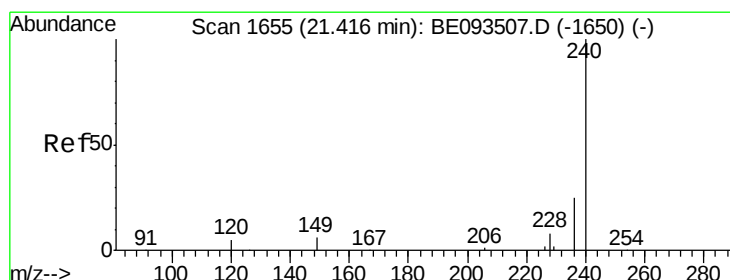
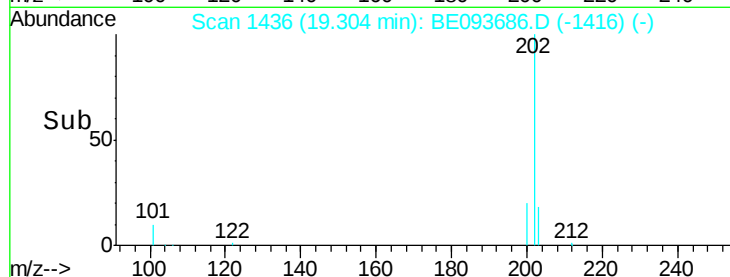
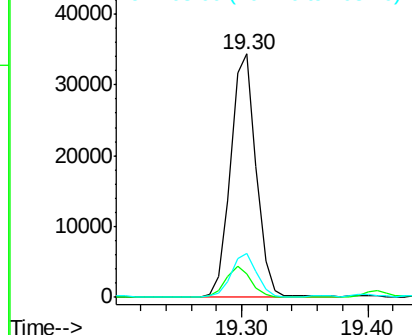
Tgt Ion:	202	Resp:	47796
Ion Ratio	Lower	Upper	
202	100		
101	12.3	9.6	14.4
203	17.4	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

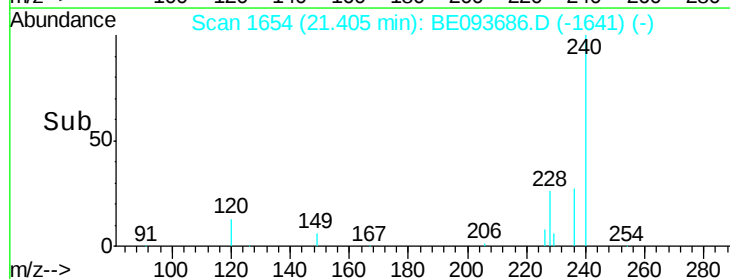
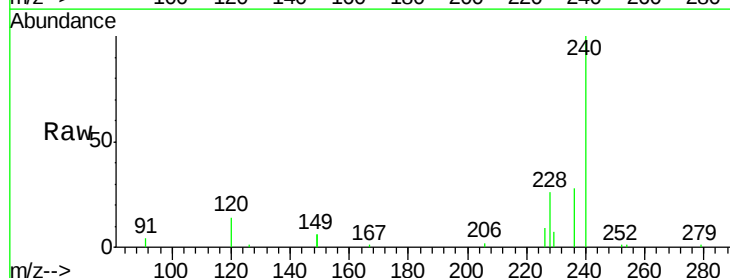
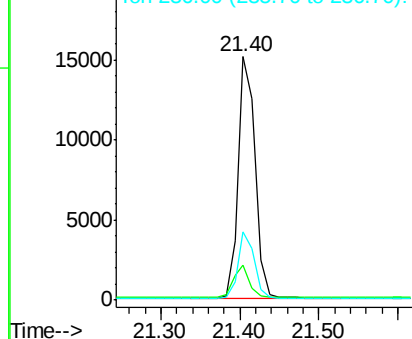
Delta R.T. -0.01 min

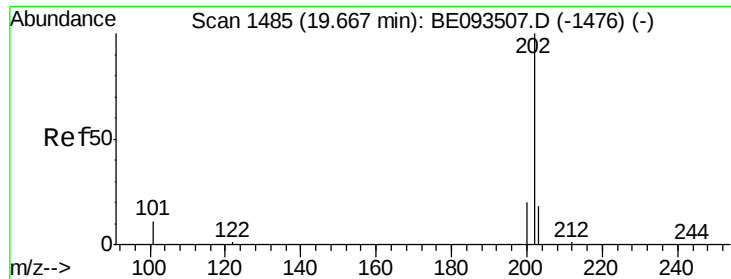
Lab File: BE093686.D

Acq: 5 Aug 2017 22:00

Tgt Ion:	240	Resp:	23094
Ion Ratio	Lower	Upper	
240	100		
120	14.3	4.6	7.0#
236	27.9	20.8	31.2

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





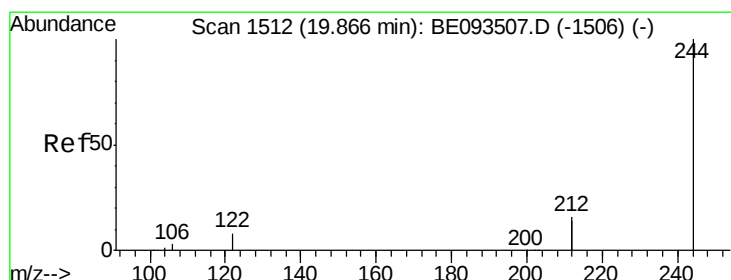
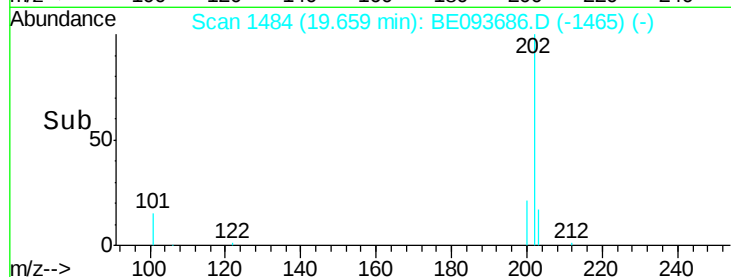
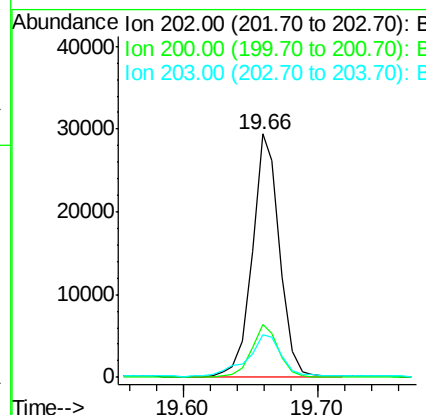
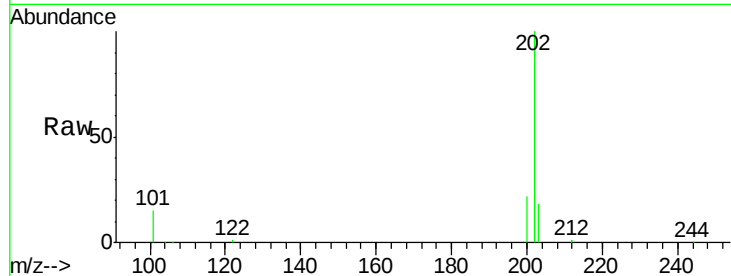
#28
Pyrene
Concen: 0.552 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Instrument :
BNA_E
ClientSampleId :
LASB-15B-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	0.0	0.0#
203	21.3	13.7	20.5#

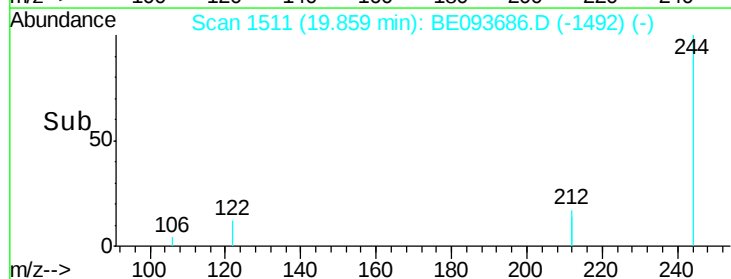
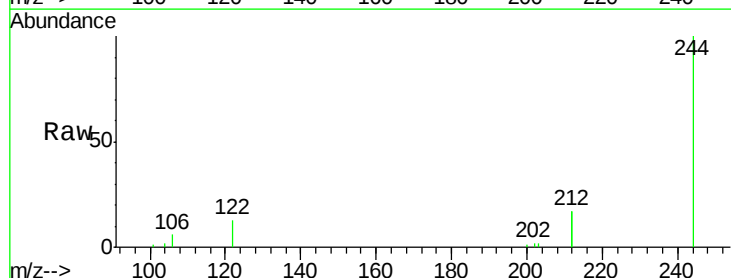
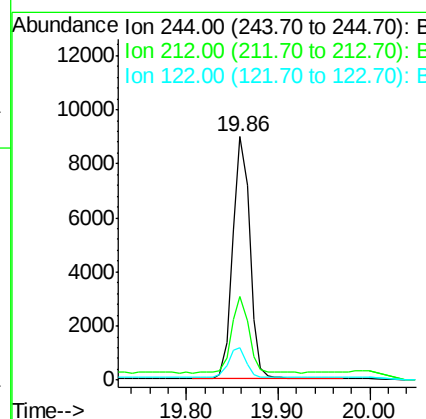
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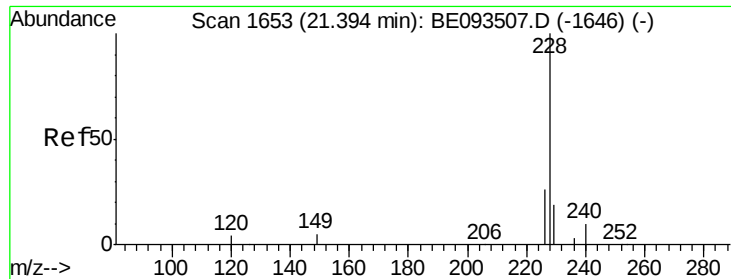
Sohil
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#29
Terphenyl-d14
Concen: 0.278 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	34.4	10.6	16.0#
122	13.1	15.4	23.0#





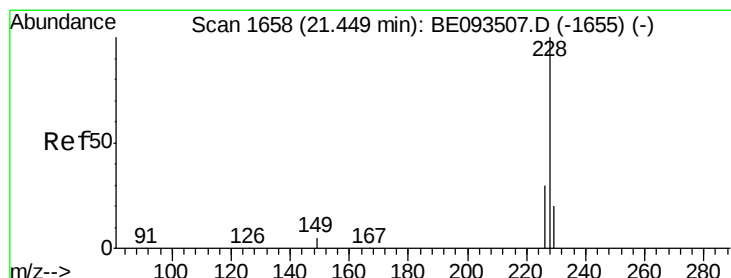
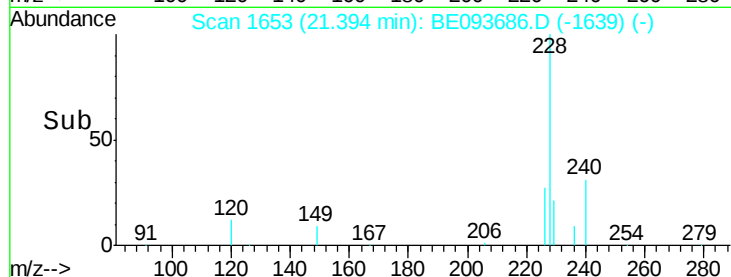
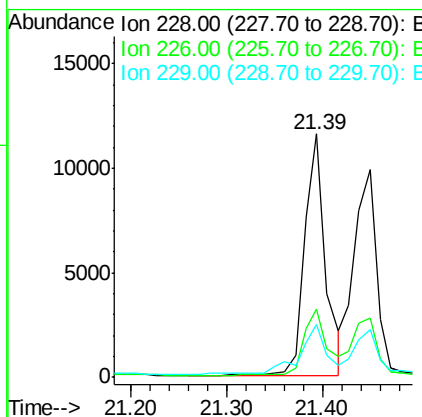
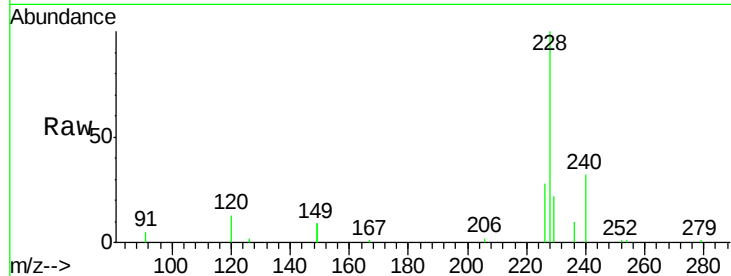
#30
Benzo(a)anthracene
Concen: 0.260 ng
RT: 21.39 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Instrument :
BNA_E
ClientSampleId :
LASB-15B-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	19.7	29.5
229	22.0	19.2	28.8

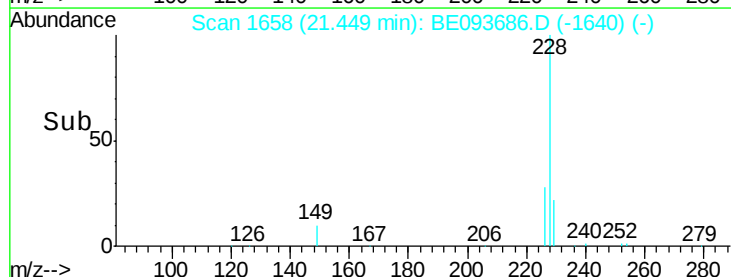
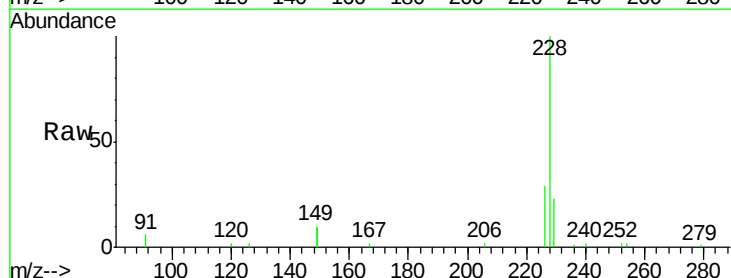
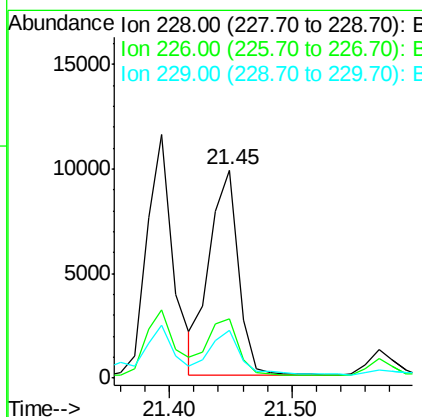
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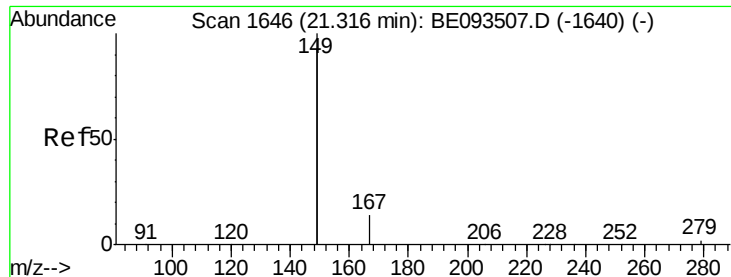
Sohil
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#31
Chrysene
Concen: 0.213 ng
RT: 21.45 min Scan# 1658
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.5	32.3
229	22.9	18.6	28.0





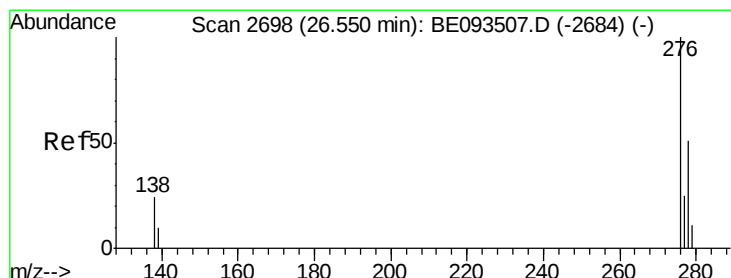
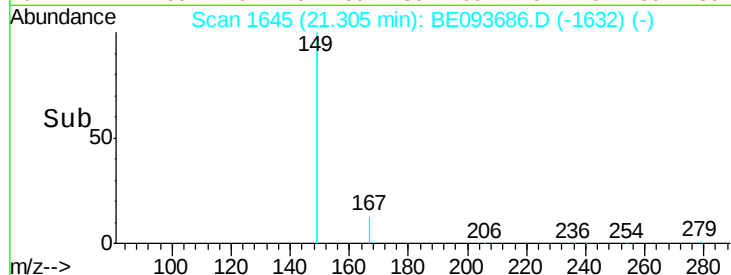
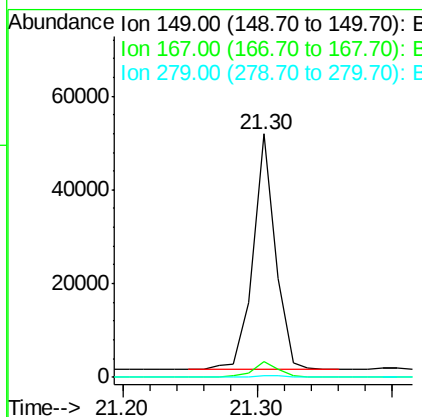
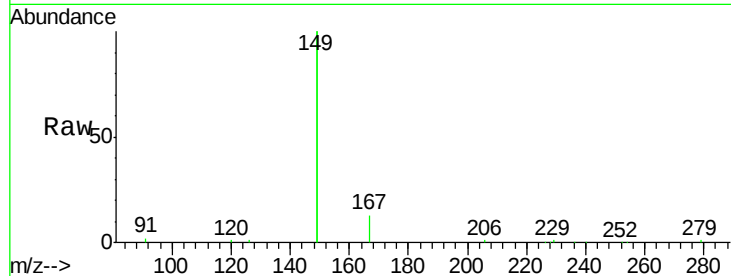
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.631 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093686.D
 Acq: 5 Aug 2017 22:00

Instrument :
 BNA_E
 ClientSampleId :
 LASB-15B-1

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.7	4.8	7.2
279	0.9	0.8	1.2

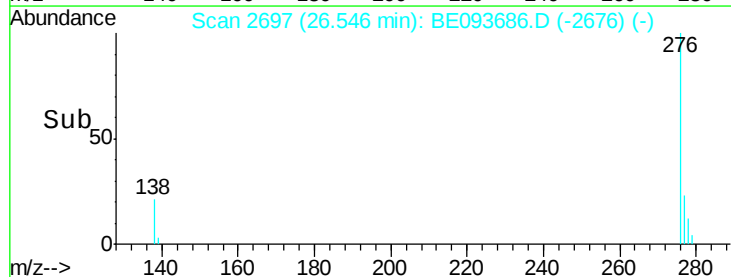
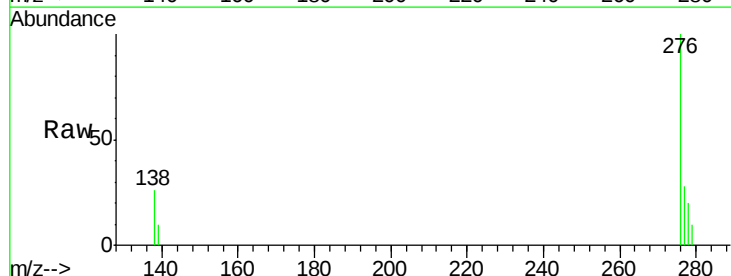
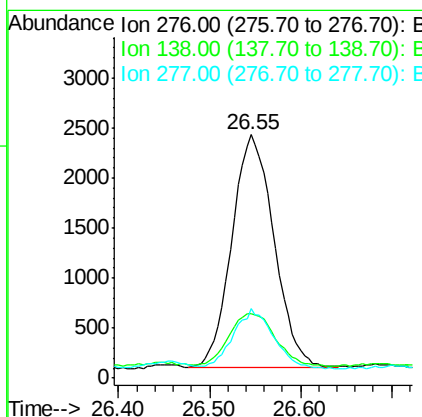
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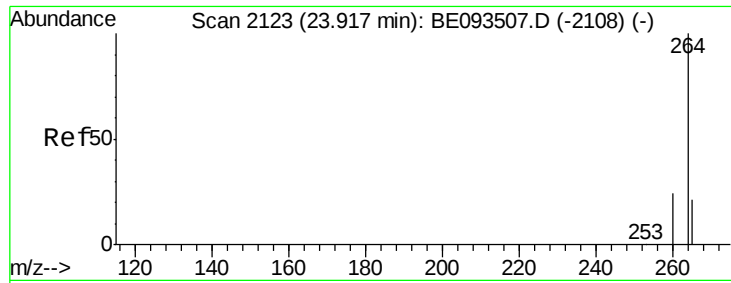
Sohil
 8/7/2017 6:05:16 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.109 ng
 RT: 26.55 min Scan# 2697
 Delta R.T. -0.00 min
 Lab File: BE093686.D
 Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	27.4	41.2#
277	24.5	20.1	30.1





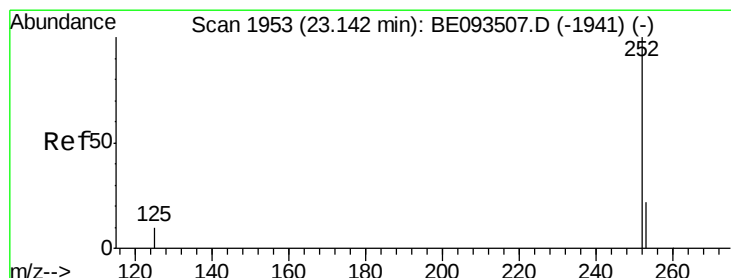
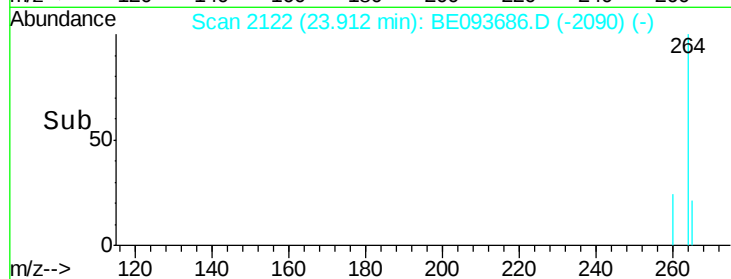
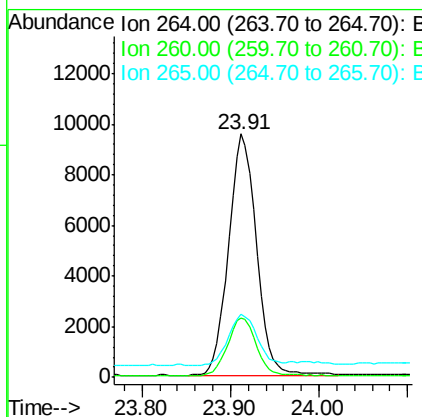
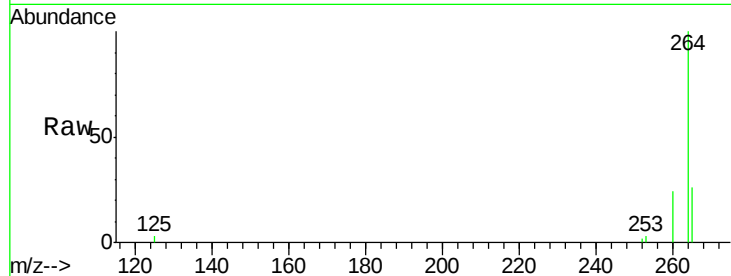
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.00 min
 Lab File: BE093686.D
 Acq: 5 Aug 2017 22:00

Instrument :
 BNA_E
 ClientSampleId :
 LASB-15B-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.0	31.4
265	25.8	24.6	36.8

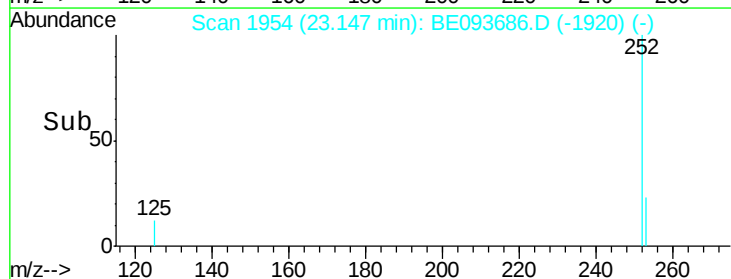
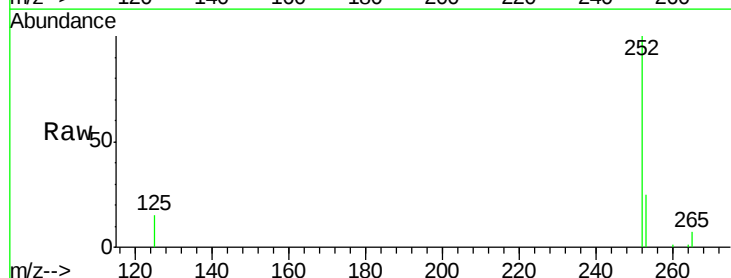
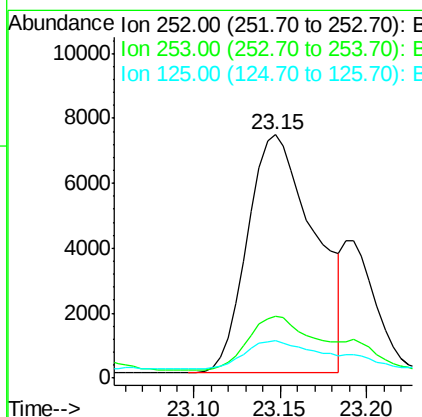
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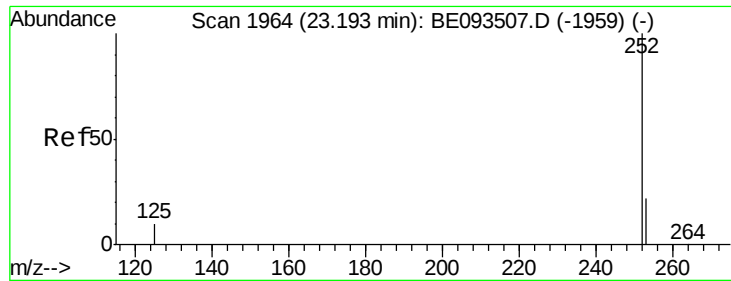
Sohil
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#35
 Benzo(b)fluoranthene
 Concen: 0.267 ng
 RT: 23.15 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: BE093686.D
 Acq: 5 Aug 2017 22:00

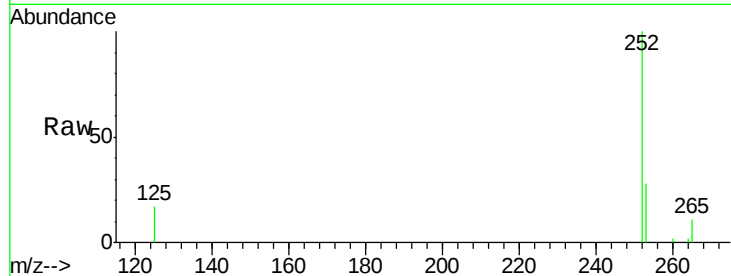
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.5	27.7
125	15.3	13.4	20.0





#36
Benzo(k)fluoranthene
Concen: 0.073 ng m
RT: 23.19 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

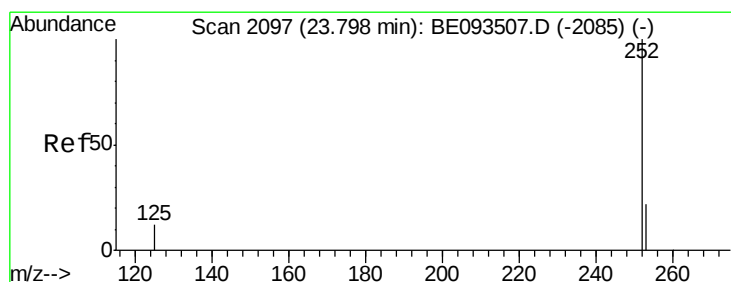
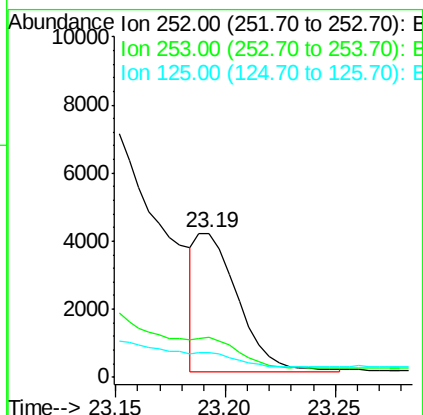
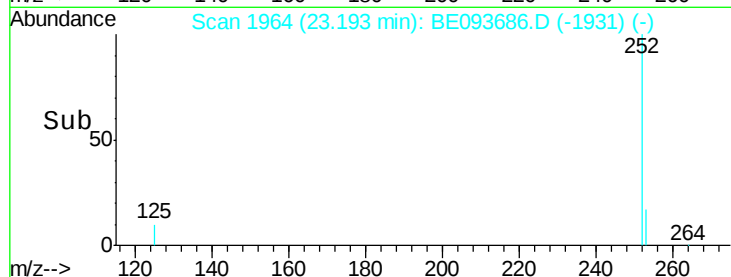
Instrument :
BNA_E
ClientSampleId :
LASB-15B-1



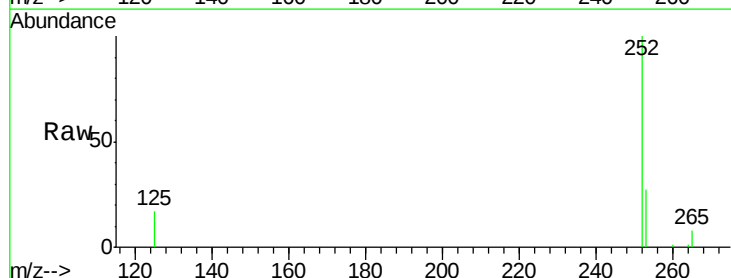
Tgt Ion: 252 Resp: 5497
Ion Ratio Lower Upper
252 100
253 28.1 20.3 30.5
125 16.9 12.2 18.4

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APPROVED

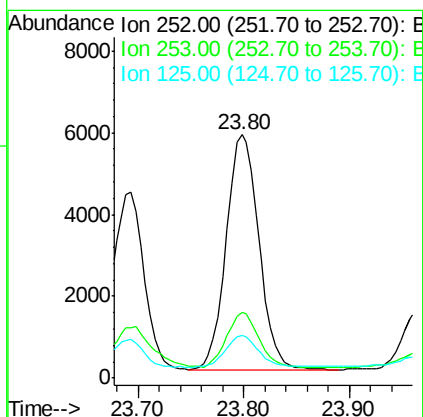
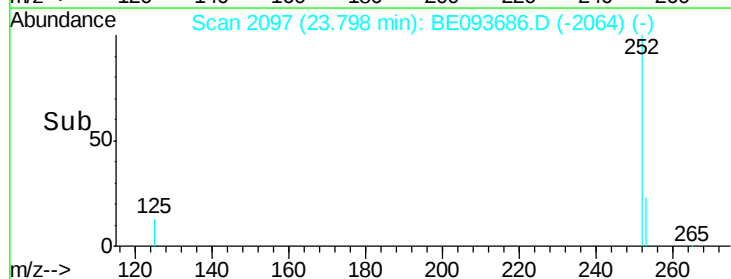
Sohil
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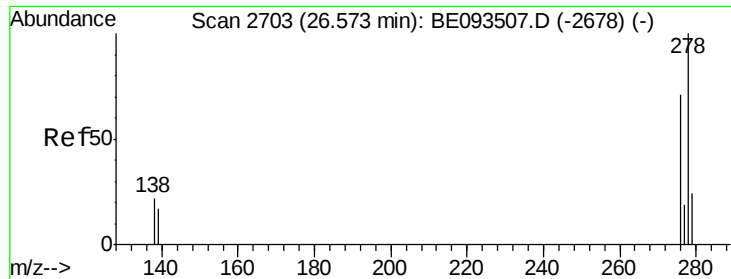


#37
Benzo(a)pyrene
Concen: 0.184 ng
RT: 23.80 min Scan# 2097
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00



Tgt Ion: 252 Resp: 12341
Ion Ratio Lower Upper
252 100
253 27.0 19.9 29.9
125 17.5 14.6 21.8





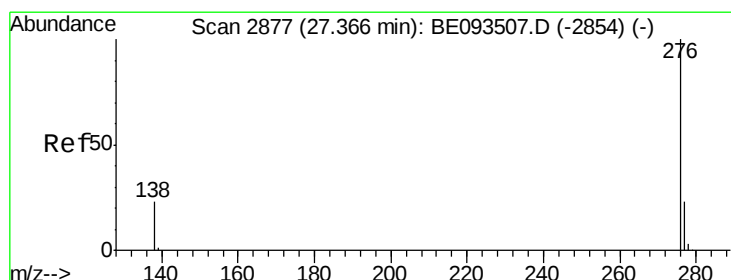
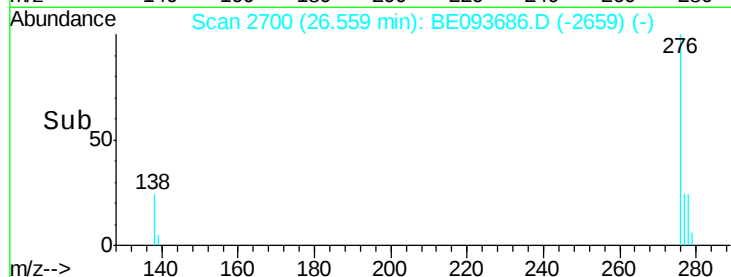
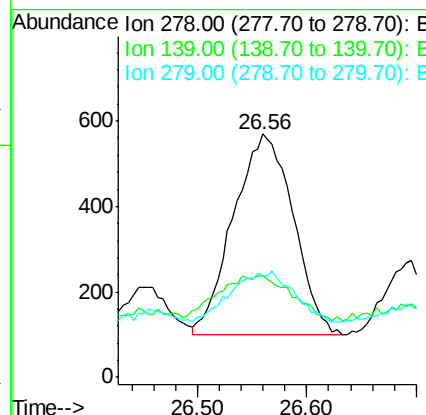
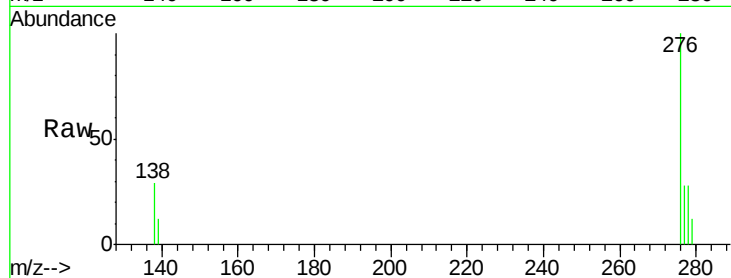
#38
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 26.56 min Scan# 2700
Delta R.T. -0.01 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Instrument :
BNA_E
ClientSampleId :
LASB-15B-1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.8	21.4	32.0#
279	41.8	22.2	33.2#

Manual Integrations
APPROVED

Sohil
8/7/2017 6:05:16 PM



#39
Benzo(g,h,i)perylene
Concen: 0.115 ng
RT: 27.36 min Scan# 2876
Delta R.T. -0.00 min
Lab File: BE093686.D
Acq: 5 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	21.2	31.8
138	28.3	24.5	36.7

