

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093688.D
 Acq On : 5 Aug 2017 23:14
 Operator : SJ/JU
 Sample : I4427-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

Manual Integrations
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Quant Time: Aug 06 03:51:45 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	3617	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	18735	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	10359	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	22493	0.40	ng	0.00
27) Chrysene-d12	21.40	240	24860	0.40	ng	-0.01
34) Perylene-d12	23.92	264	21779	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	3277	0.30	ng	0.00
5) Phenol-d6	7.09	99	5269	0.32	ng	-0.01
8) Nitrobenzene-d5	9.06	82	5117	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	6381	0.22	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	698	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7494	0.18	ng	-0.02
25) Fluoranthene-d10	19.27	212	44225	0.17	ng	0.00
29) Terphenyl-d14	19.86	244	7076	0.16	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.76	128	23169	0.107	ng	# 97
12) 2-Methylnaphthalene	12.36	142	1106	0.031	ng	94
16) Acenaphthylene	14.24	152	9177	0.185	ng	# 87
18) Fluorene	15.56	166	2627m	0.056	ng	
23) Phenanthrene	17.27	178	21003	0.425	ng	# 94
24) Anthracene	17.36	178	7822m	0.116	ng	
26) Fluoranthene	19.30	202	90425	1.148	ng	99
28) Pyrene	19.66	202	85865	1.069	ng	# 93
30) Benzo(a)anthracene	21.39	228	48726	0.667	ng	# 94
31) Chrysene	21.45	228	46559	0.571	ng	93
33) Indeno(1,2,3-cd)pyrene	26.55	276	25153	0.341	ng	# 90
35) Benzo(b)fluoranthene	23.15	252	57416	0.739	ng	96
36) Benzo(k)fluoranthene	23.19	252	21245m	0.267	ng	
37) Benzo(a)pyrene	23.80	252	39774m	0.565	ng	
38) Dibenzo(a,h)anthracene	26.57	278	7012	0.103	ng	# 89
39) Benzo(g,h,i)perylene	27.37	276	25848	0.375	ng	95

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

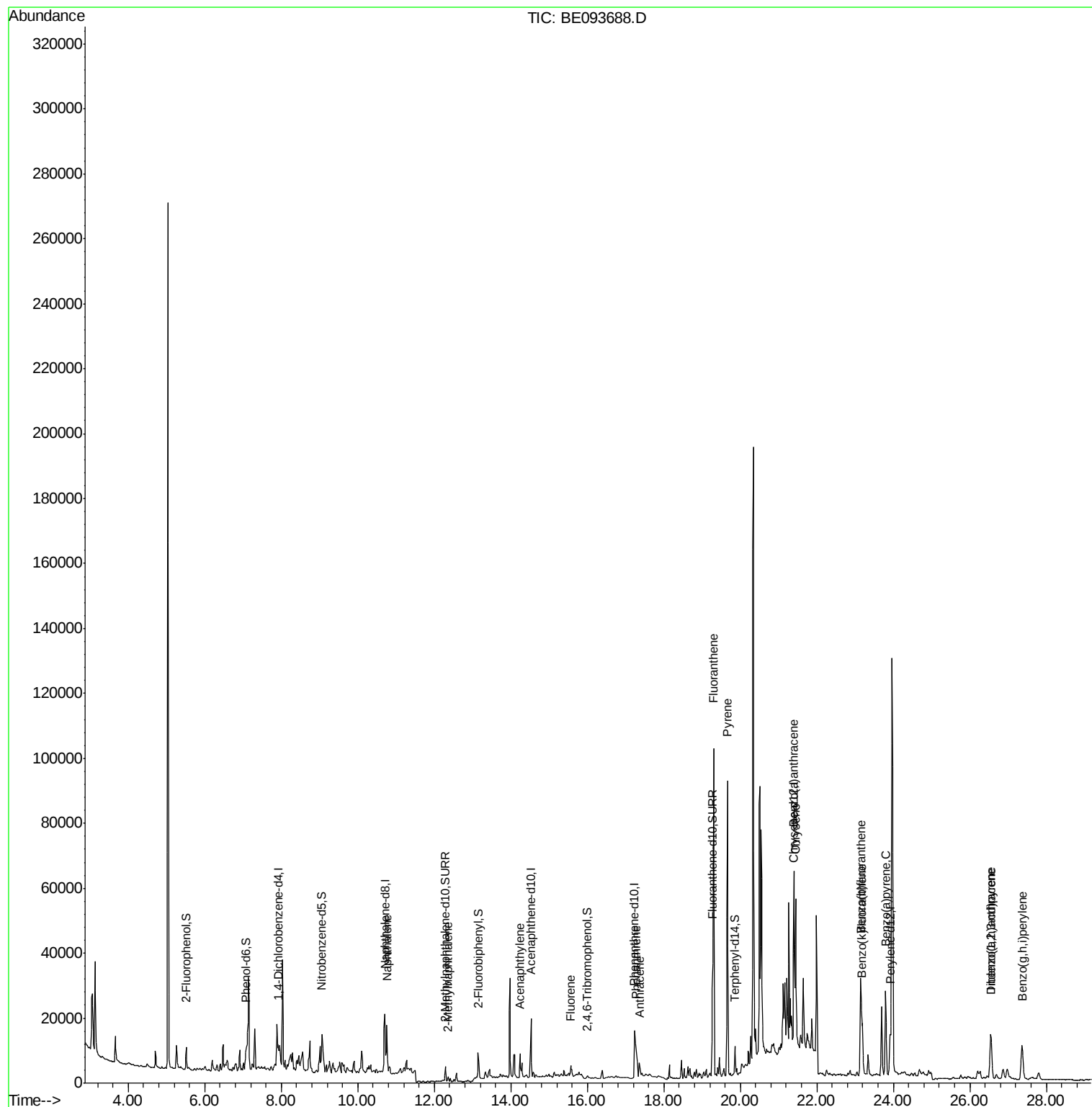
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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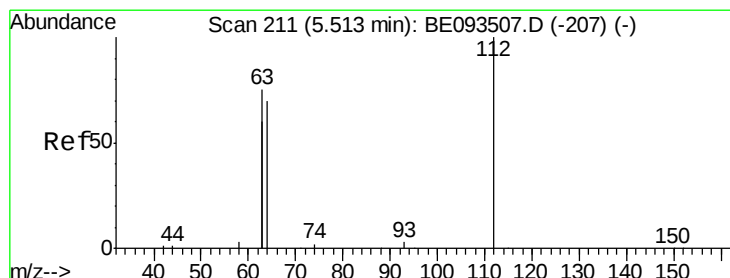
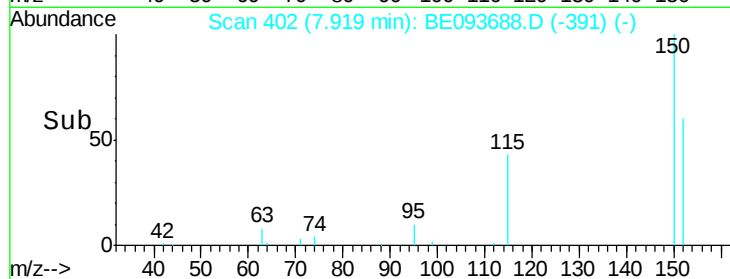
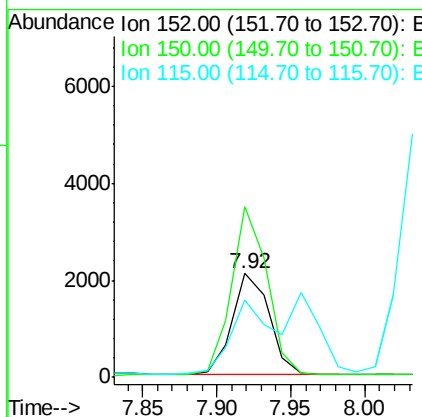
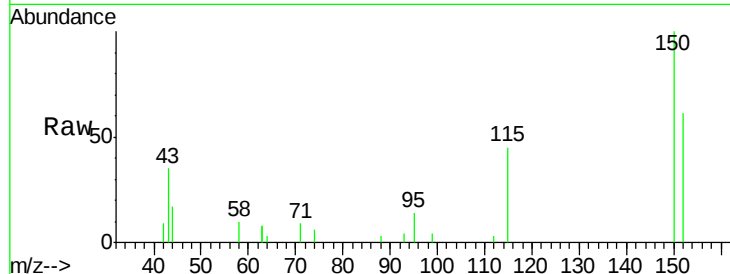
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.92 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	164.4	125.1	187.7
115	74.5	55.7	83.5

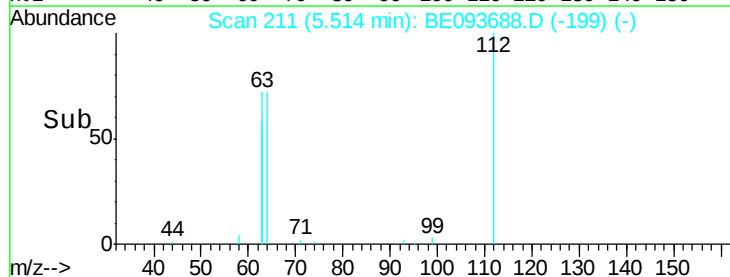
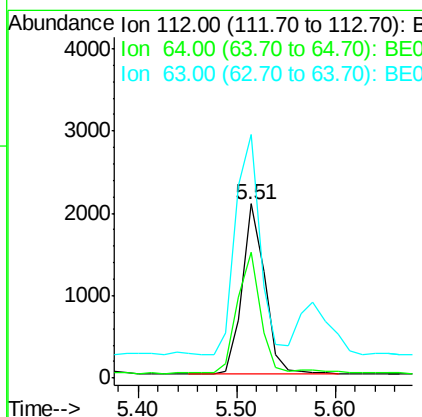
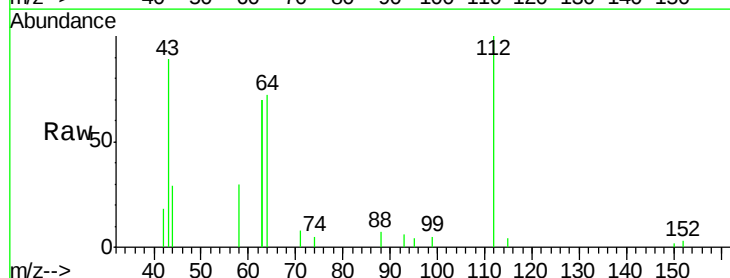
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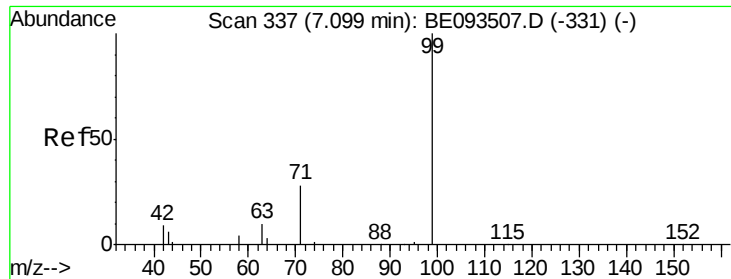
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#4
 2-Fluorophenol
 Concen: 0.304 ng
 RT: 5.51 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	56.4	84.6
63	138.1	29.3	43.9#





#5

Phenol-d6

Concen: 0.325 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

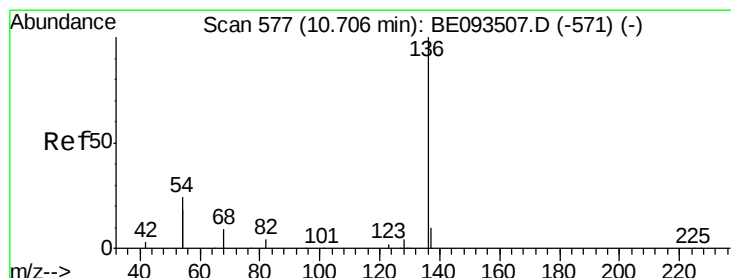
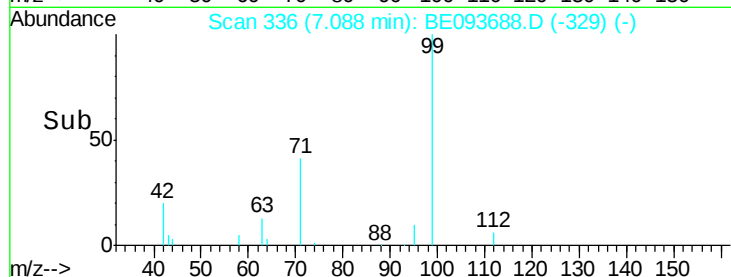
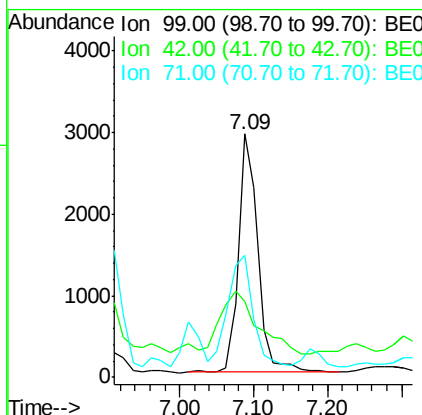
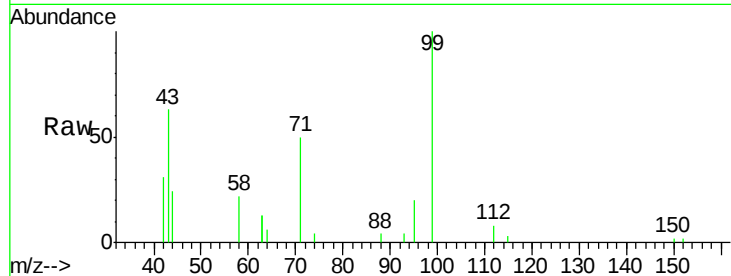
ClientSampled :

LASB-17B-1

Tgt Ion:	99	Resp:	5269
Ion Ratio	Lower	Upper	
99	100		
42	49.8	0.0	0.0#
71	59.0	0.0	0.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

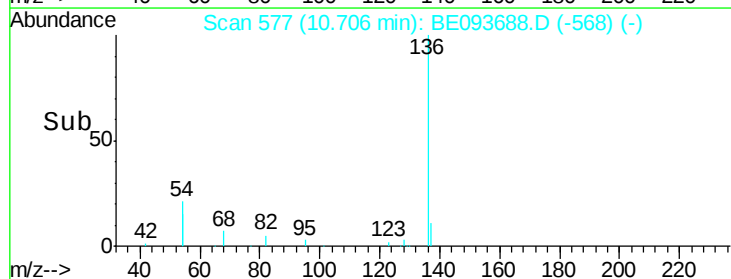
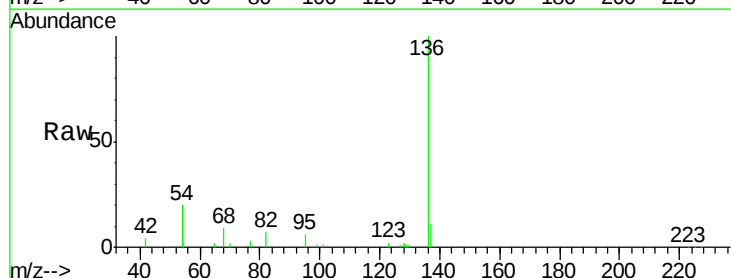
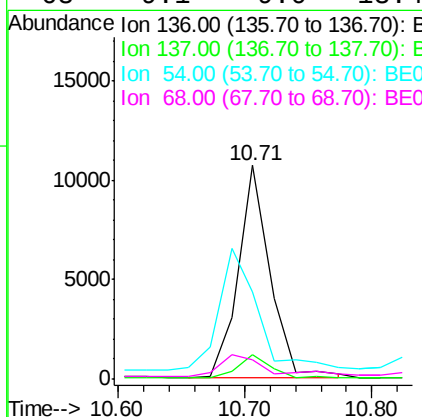
RT: 10.71 min Scan# 577

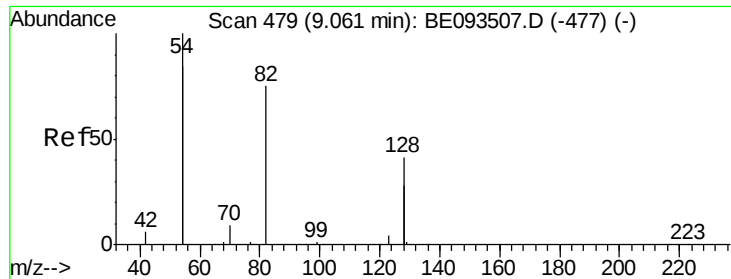
Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Tgt Ion:	136	Resp:	18735
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.8	14.8
54	40.8	10.3	15.5#
68	9.1	9.0	13.4





#8

Nitrobenzene-d5

Concen: 0.358 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

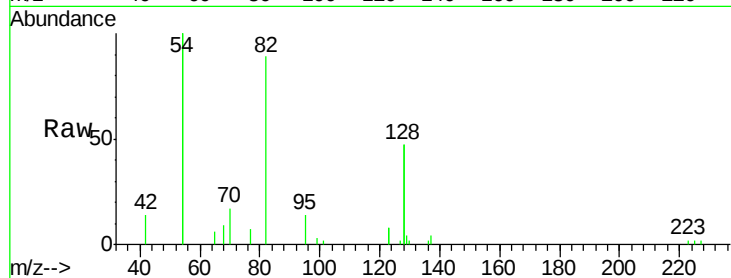
ClientSampled :

LASB-17B-1

Tgt Ion:	82	Resp:	5117
Ion Ratio	Lower	Upper	
82	100		
128	105.7	17.0	25.4#
54	225.1	53.8	80.6#

Manual Integrations
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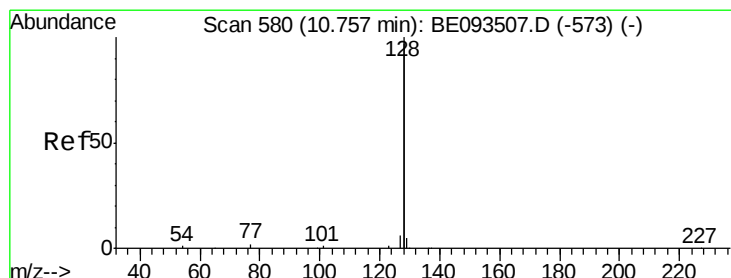
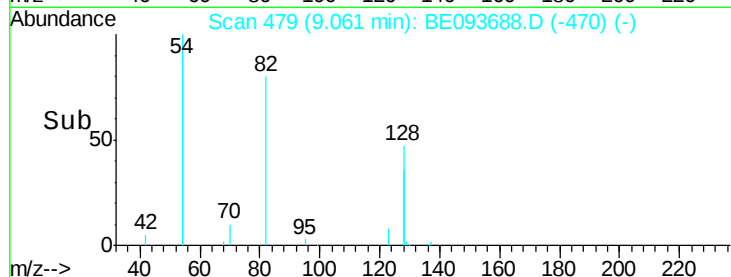
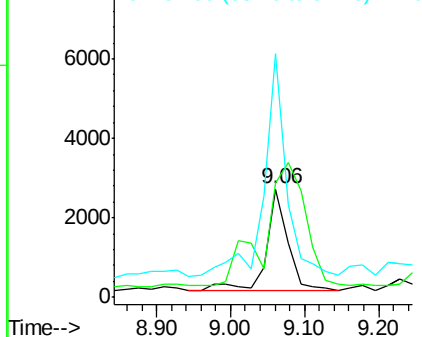
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Abundance Ion 82.00 (81.70 to 82.70): BE093507.D (-477) (-)

Ion 128.00 (127.70 to 128.70): BE093507.D (-477) (-)

Ion 54.00 (53.70 to 54.70): BE093507.D (-477) (-)



#9

Naphthalene

Concen: 0.107 ng

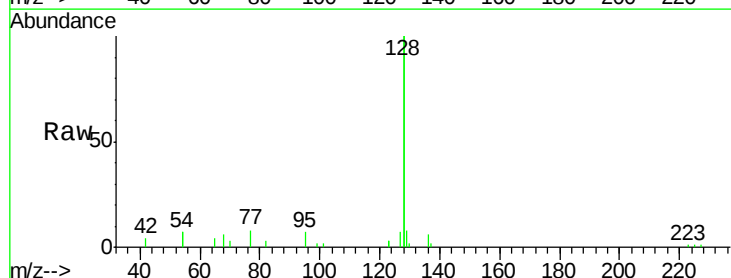
RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

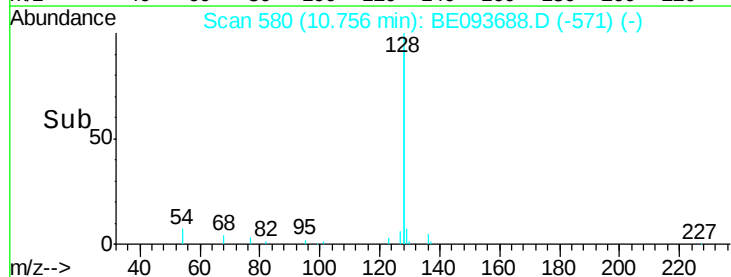
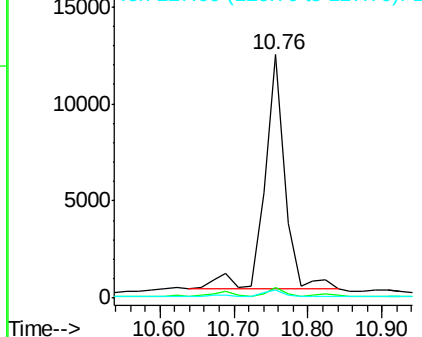
Tgt Ion:	128	Resp:	23169
Ion Ratio	Lower	Upper	
128	100		
129	4.2	2.4	3.6#
127	3.6	2.4	3.6

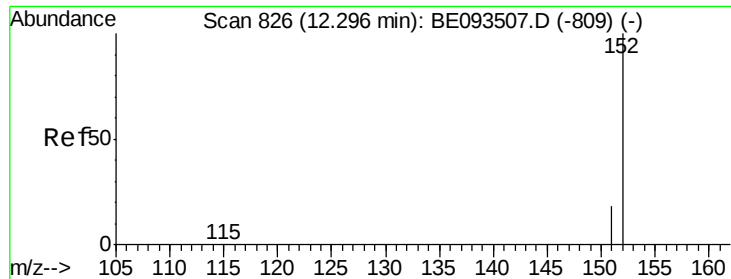


Abundance Ion 128.00 (127.70 to 128.70): BE093507.D (-573) (-)

Ion 129.00 (128.70 to 129.70): BE093507.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE093507.D (-573) (-)





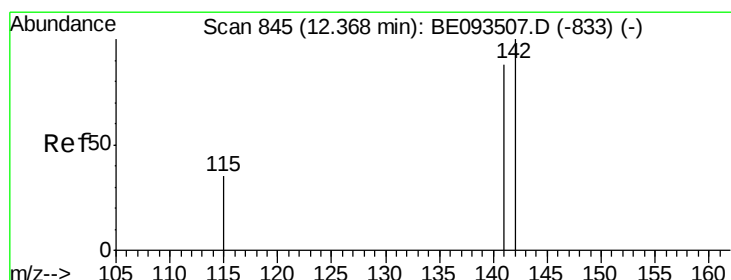
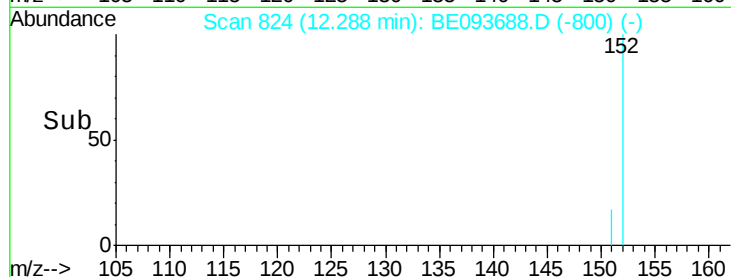
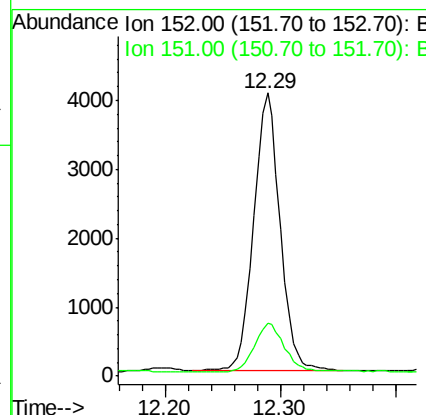
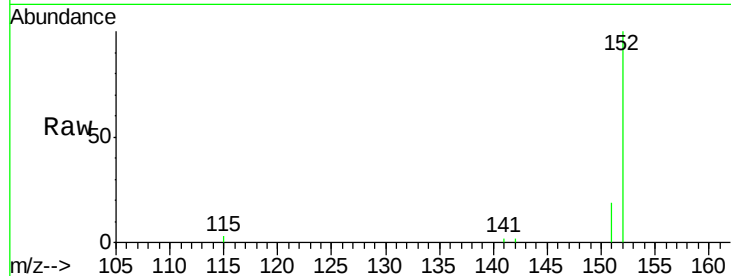
#11
2-Methylnaphthalene-d10
Concen: 0.216 ng
RT: 12.29 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Instrument :
BNA_E
ClientSampleId :
LASB-17B-1

Tgt Ion:152 Resp: 6381
Ion Ratio Lower Upper
152 100
151 19.7 15.1 22.7

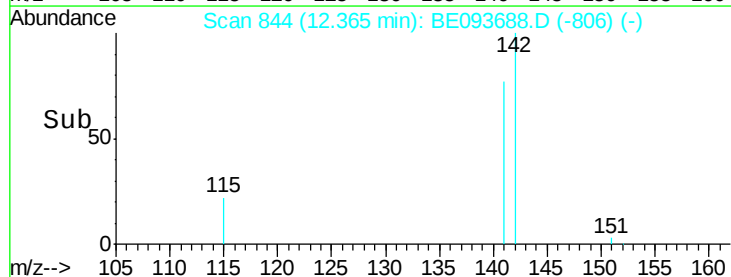
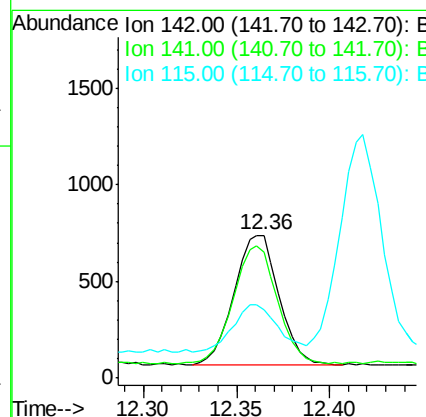
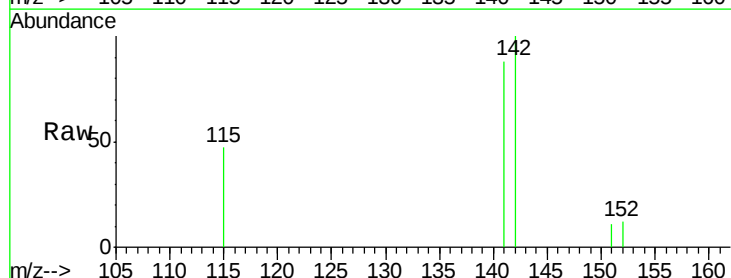
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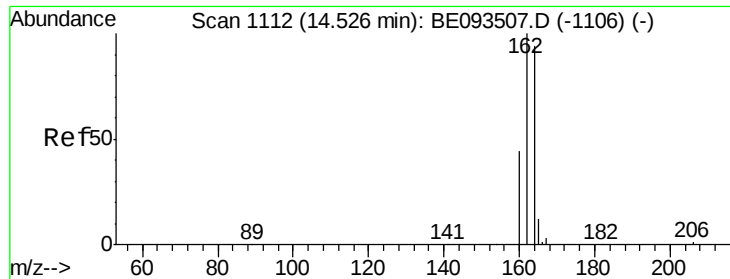
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#12
2-Methylnaphthalene
Concen: 0.031 ng
RT: 12.36 min Scan# 844
Delta R.T. -0.00 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Tgt Ion:142 Resp: 1106
Ion Ratio Lower Upper
142 100
141 87.7 72.6 108.8
115 47.3 32.2 48.2





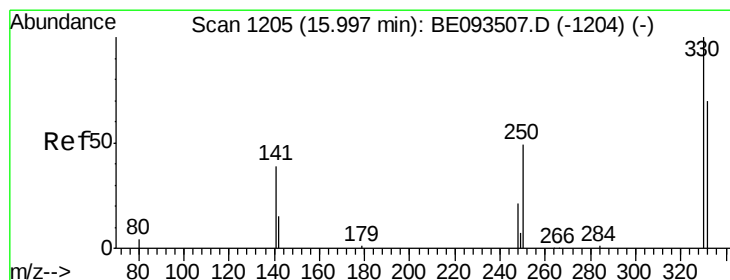
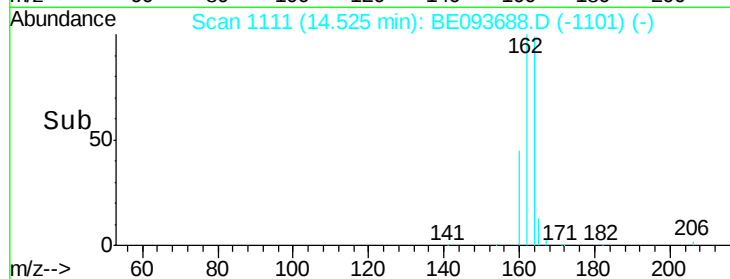
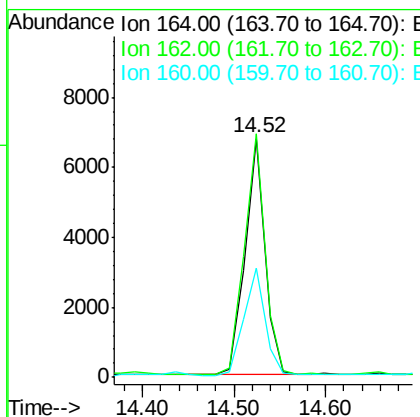
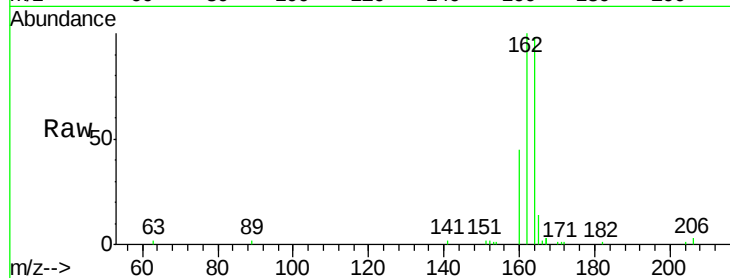
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	84.6	127.0	
160	45.9	41.8	62.6	

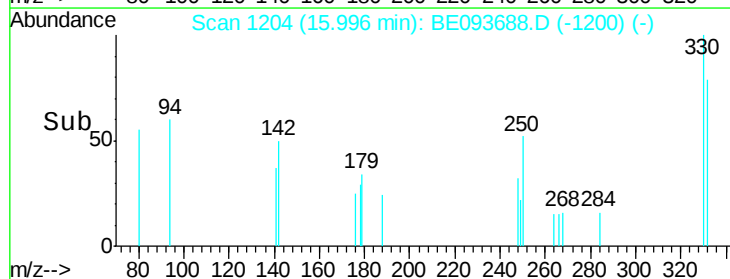
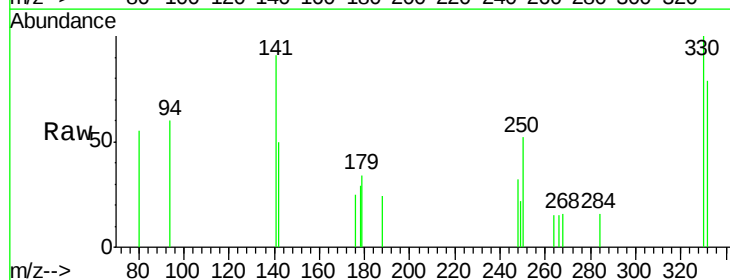
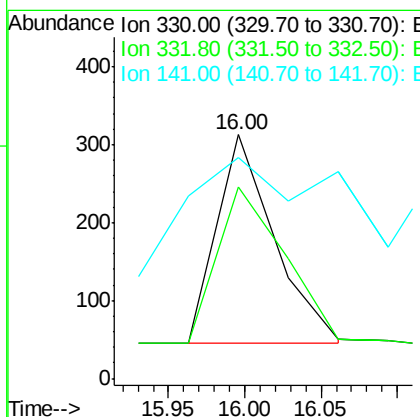
Manual Integrations
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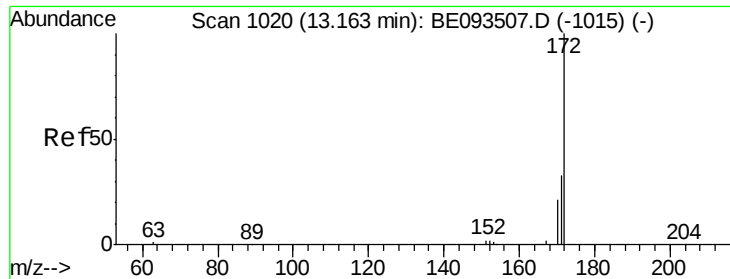
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#14
 2,4,6-Tribromophenol
 Concen: 0.332 ng
 RT: 16.00 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	88.8	77.7	116.5	
141	99.4	56.2	84.4#	





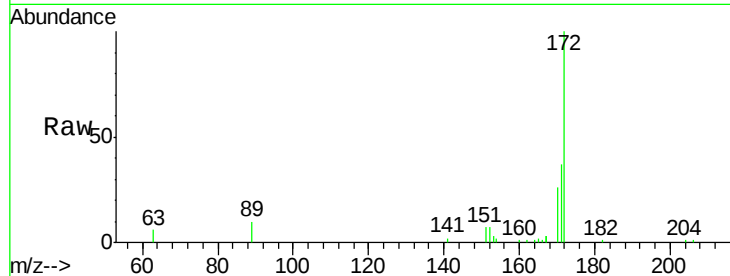
#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Instrument :
BNA_E
ClientSampleId :
LASB-17B-1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.6
170	26.0	20.7	31.1

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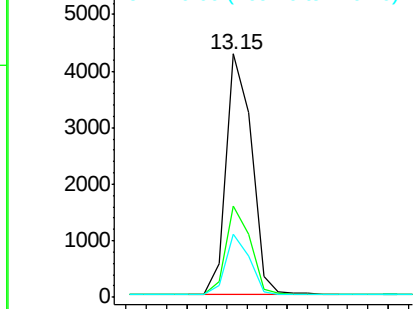


Abundance

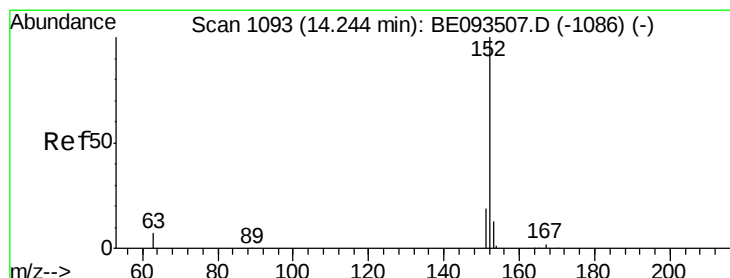
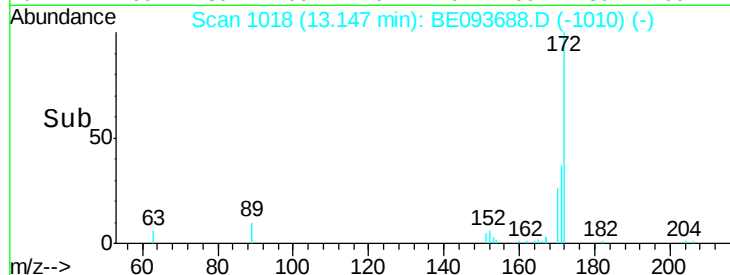
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#16
Acenaphthylene
Concen: 0.185 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

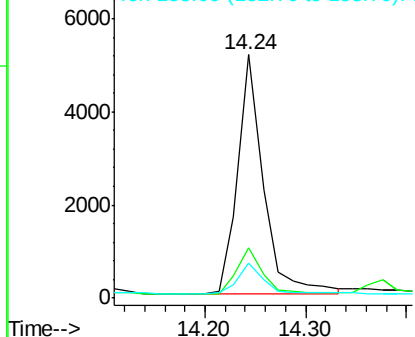
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	4.0	6.0#
153	13.0	10.3	15.5

Abundance

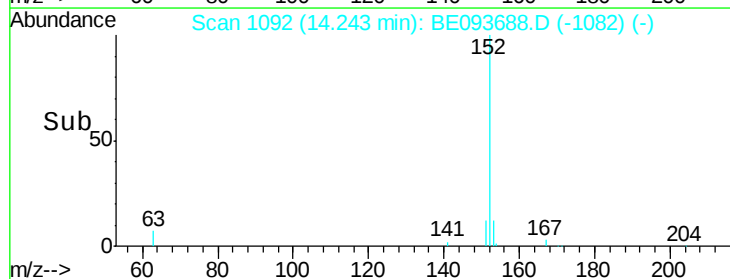
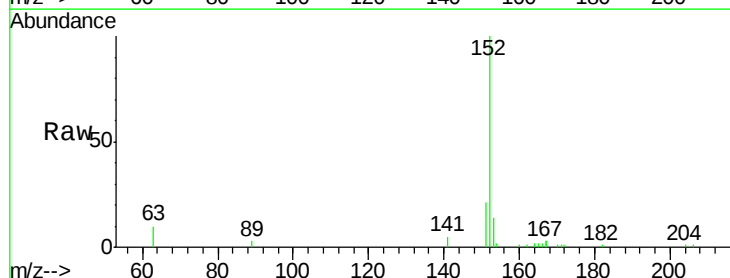
Ion 152.00 (151.70 to 152.70): E

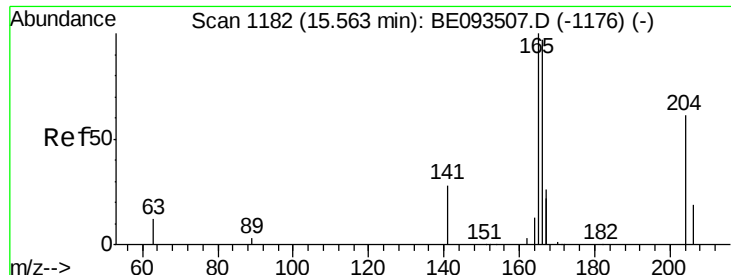
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->





#18

Fluorene

Concen: 0.056 ng m

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

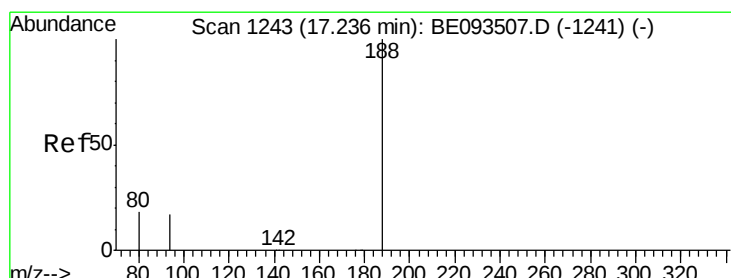
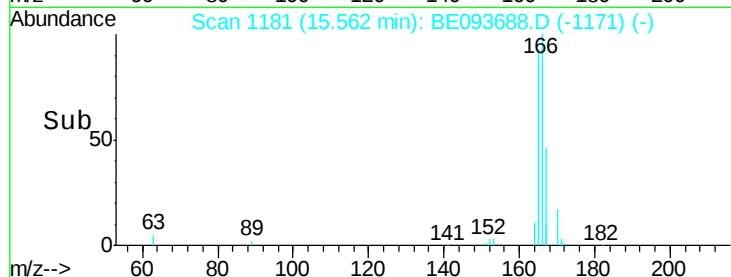
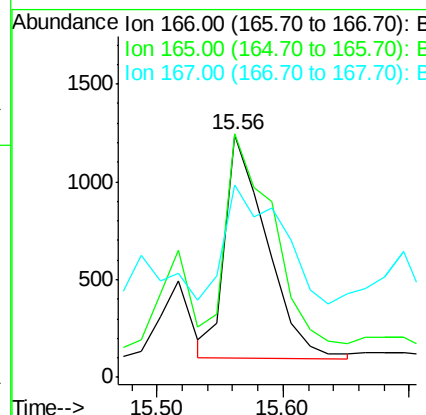
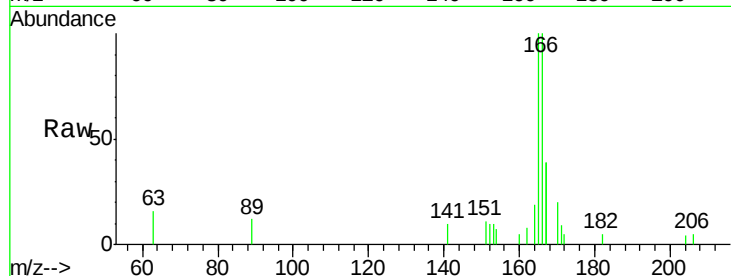
ClientSampleId :

LASB-17B-1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.3	78.6	117.8
167	70.5	11.1	16.7#

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#19

Phenanthrene-d10

Concen: 0.400 ng

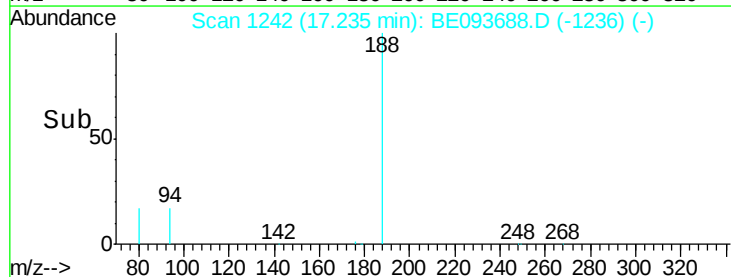
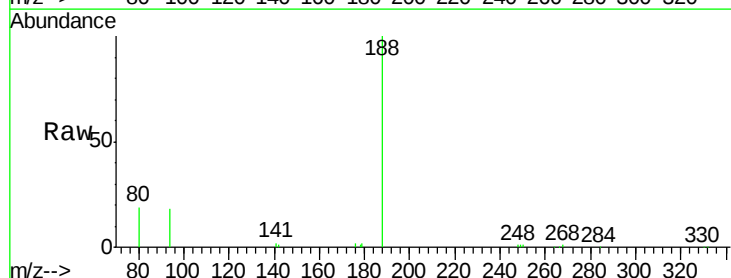
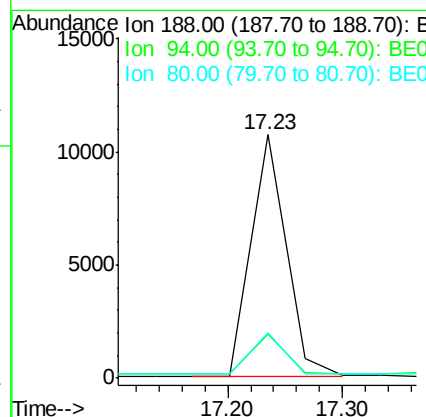
RT: 17.23 min Scan# 1242

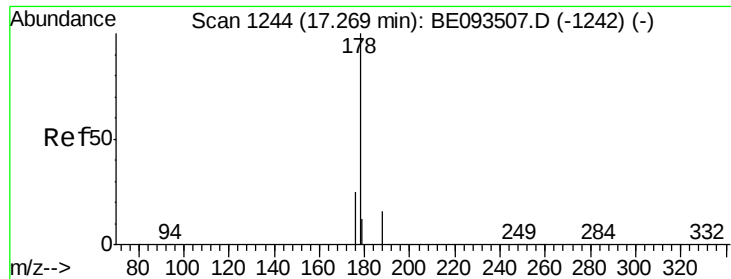
Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.2	11.3	16.9#
80	18.6	11.7	17.5#





#23

Phenanthrene

Concen: 0.425 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

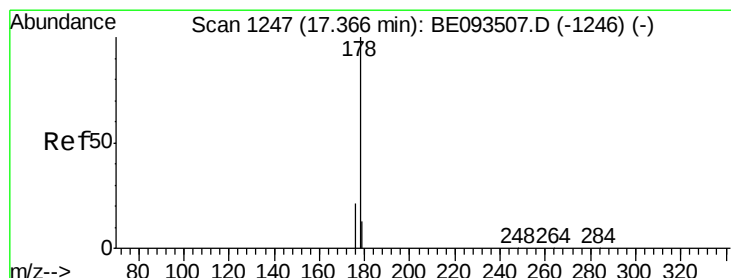
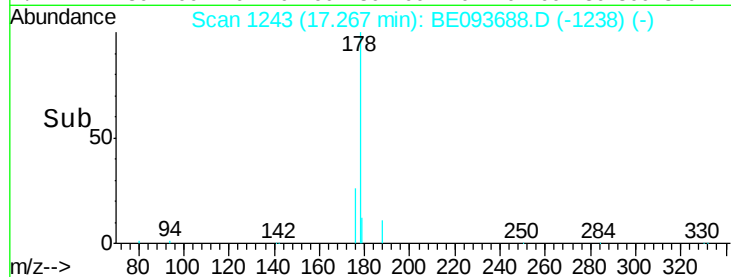
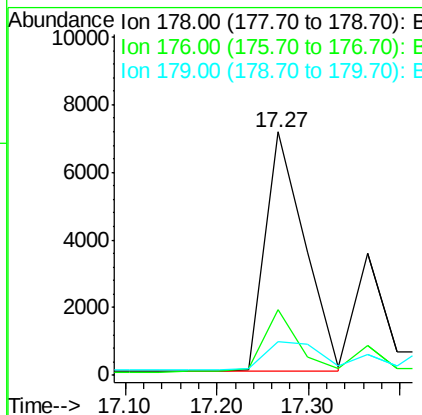
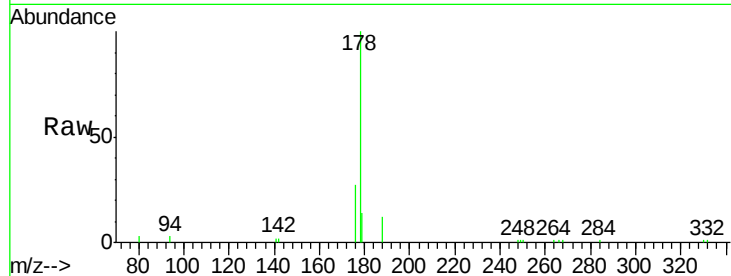
ClientSampleId :

LASB-17B-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.0	22.4#
179	16.8	12.7	19.1

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#24

Anthracene

Concen: 0.116 ng m

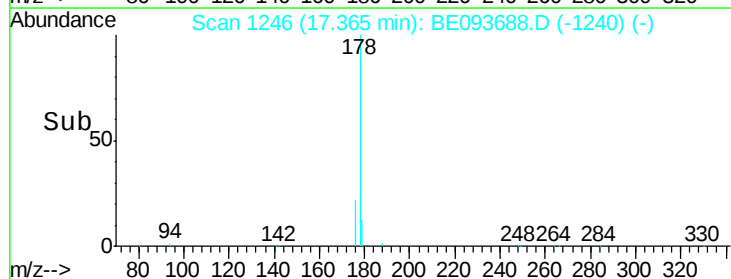
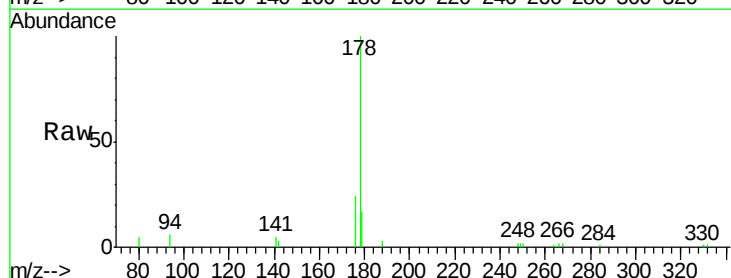
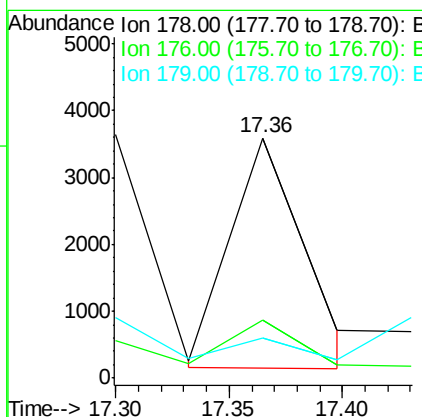
RT: 17.36 min Scan# 1246

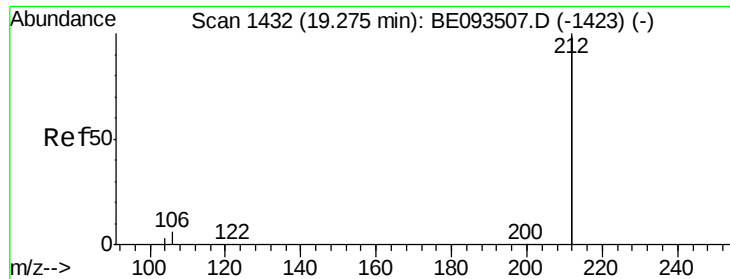
Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	53.4	14.6	22.0#
179	52.2	12.0	18.0#





#25

Fluoranthene-d10

Concen: 0.173 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

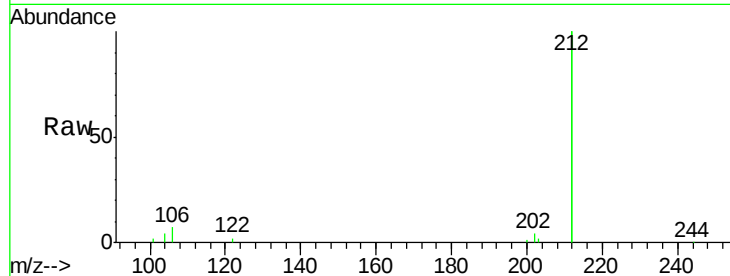
ClientSampleId :

LASB-17B-1

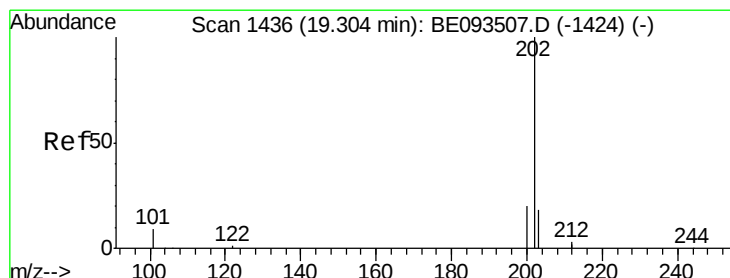
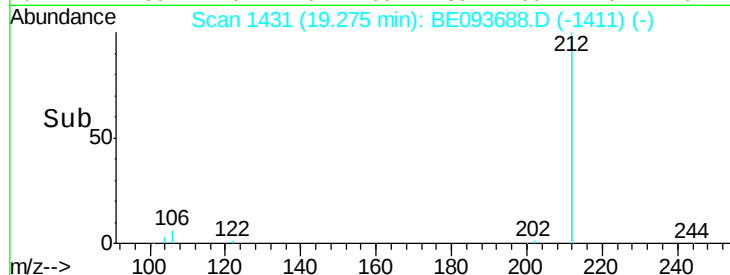
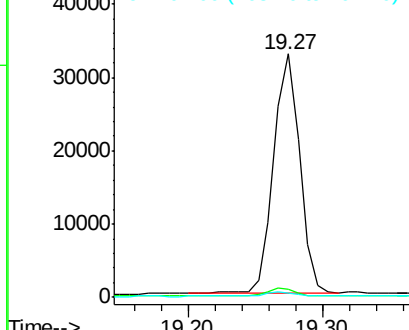
Tgt Ion:	212	Resp:	44225
Ion Ratio	Lower	Upper	
212	100		
106	3.7	2.4	3.6#
104	2.2	1.6	2.4

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.148 ng

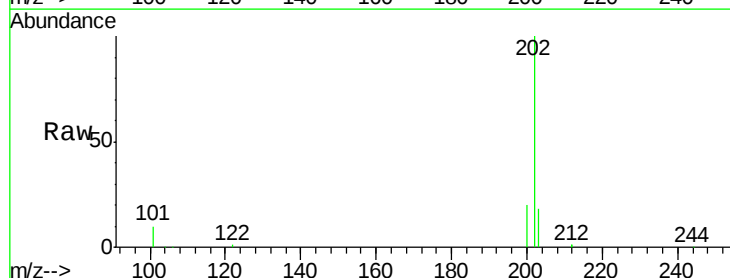
RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

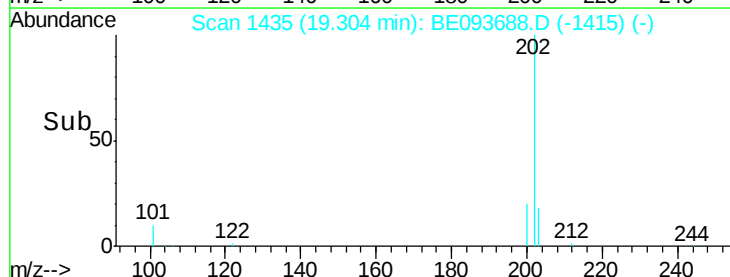
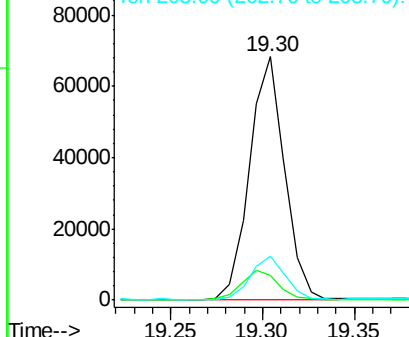
Lab File: BE093688.D

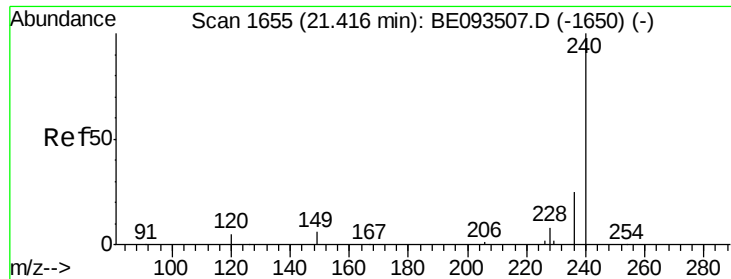
Acq: 5 Aug 2017 23:14

Tgt Ion:	202	Resp:	90425
Ion Ratio	Lower	Upper	
202	100		
101	12.4	9.6	14.4
203	17.7	14.4	21.6



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





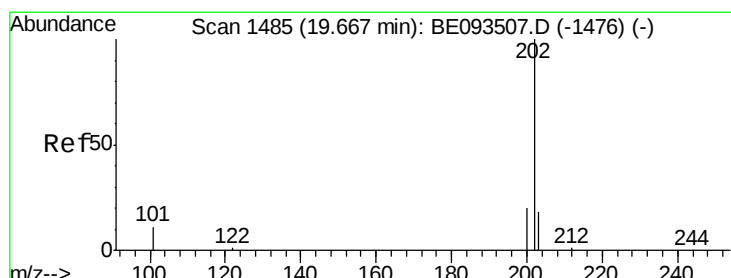
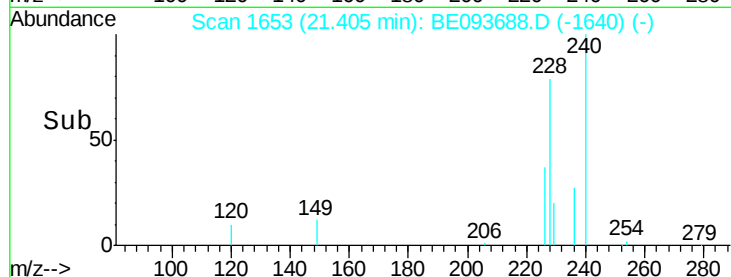
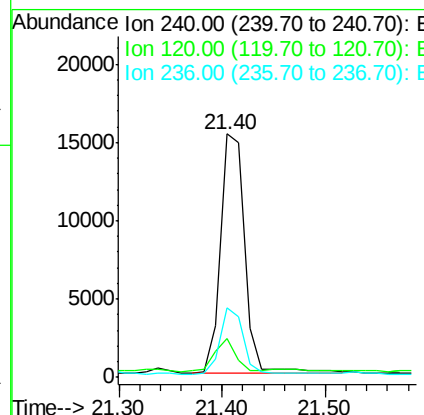
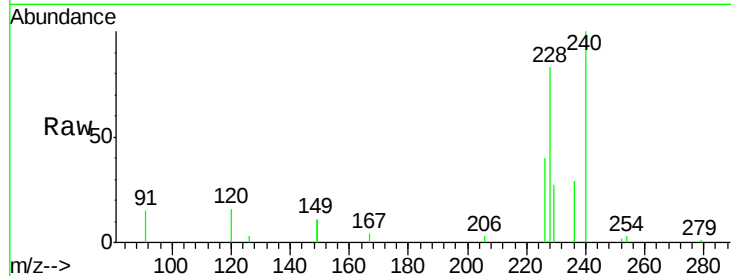
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Instrument :
BNA_E
ClientSampleId :
LASB-17B-1

Tgt Ion: 240 Resp: 24860
Ion Ratio Lower Upper
240 100
120 16.0 4.6 7.0#
236 28.6 20.8 31.2

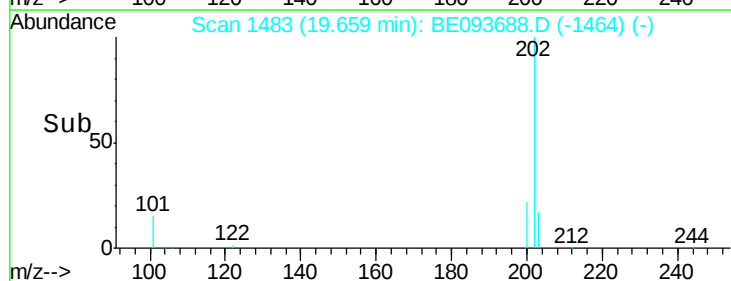
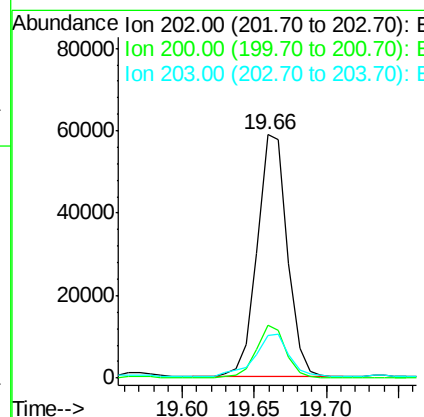
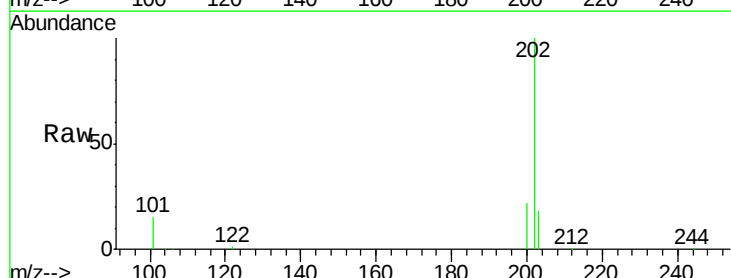
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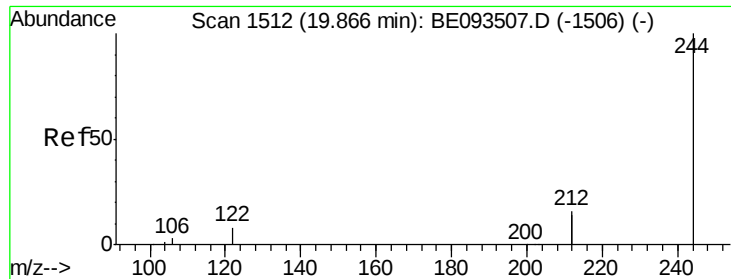
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#28
Pyrene
Concen: 1.069 ng
RT: 19.66 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Tgt Ion: 202 Resp: 85865
Ion Ratio Lower Upper
202 100
200 20.9 0.0 0.0#
203 20.1 13.7 20.5





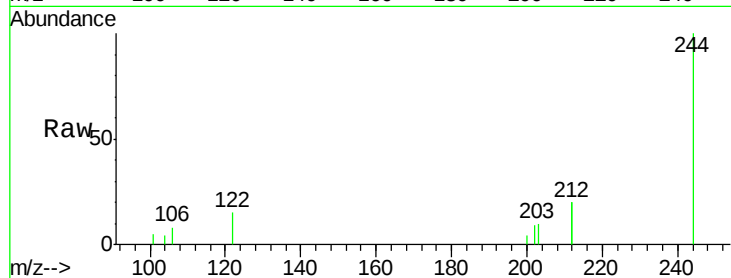
#29
 Terphenyl-d14
 Concen: 0.158 ng
 RT: 19.86 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

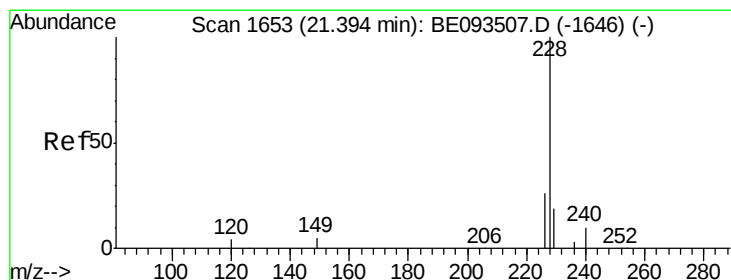
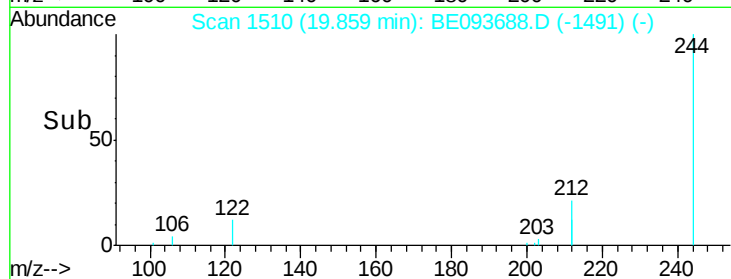
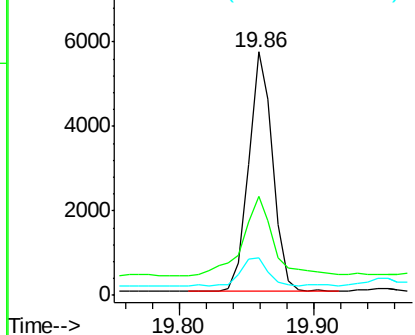
Tgt Ion	Ratio	Lower	Upper
244	100		
212	40.7	10.6	16.0#
122	15.4	15.4	23.0

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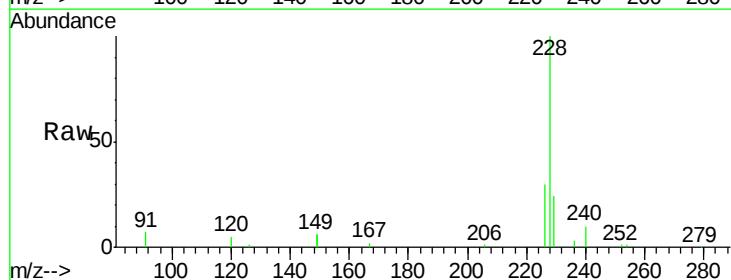


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

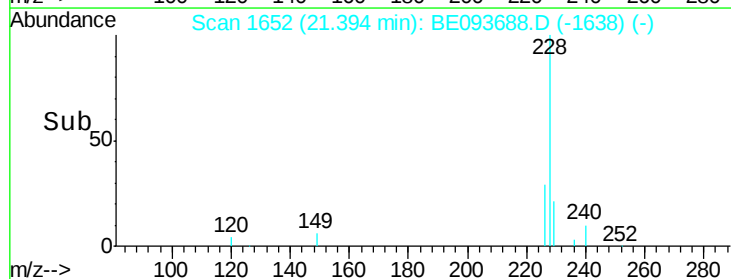
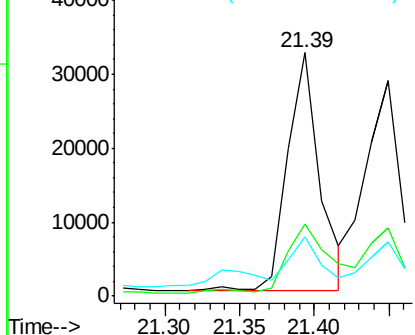


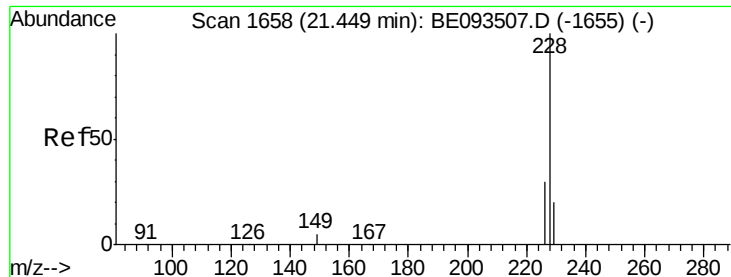
#30
 Benzo(a)anthracene
 Concen: 0.667 ng
 RT: 21.39 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	19.7	29.5#
229	24.5	19.2	28.8



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.571 ng

RT: 21.45 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

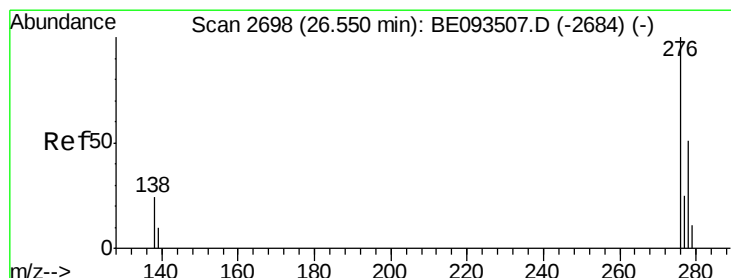
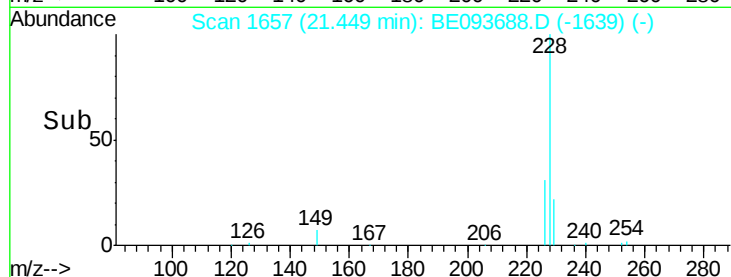
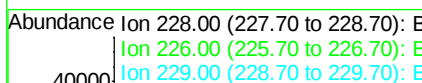
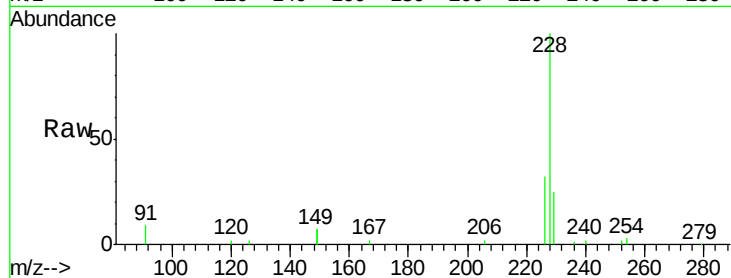
ClientSampled :

LASB-17B-1

Tgt Ion:	228	Resp:	46559
Ion	Ratio	Lower	Upper
228	100		
226	31.9	21.5	32.3
229	25.3	18.6	28.0

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.341 ng

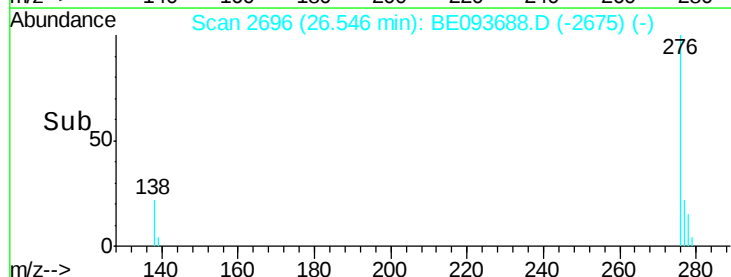
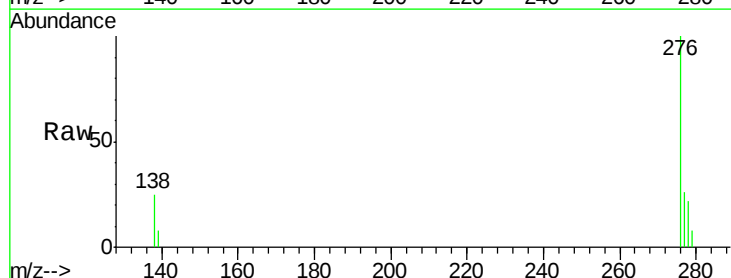
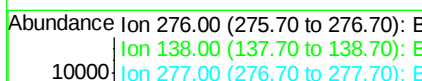
RT: 26.55 min Scan# 2696

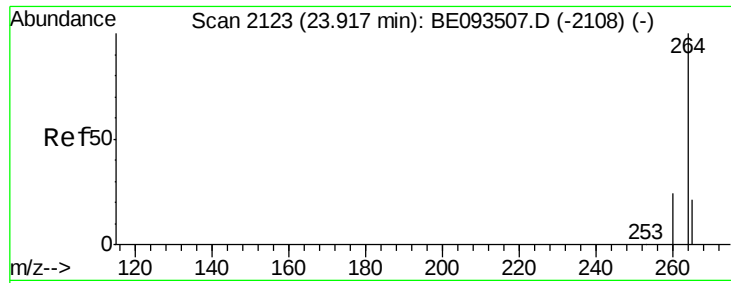
Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Tgt Ion:	276	Resp:	25153
Ion	Ratio	Lower	Upper
276	100		
138	24.4	27.4	41.2#
277	25.3	20.1	30.1





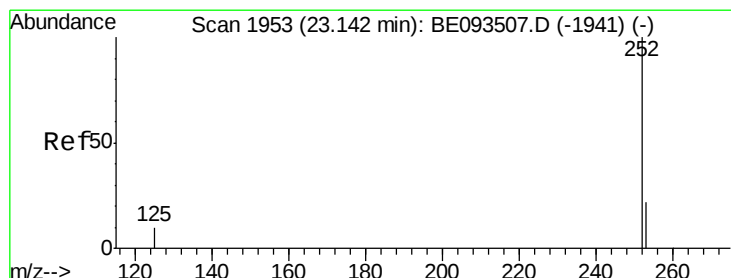
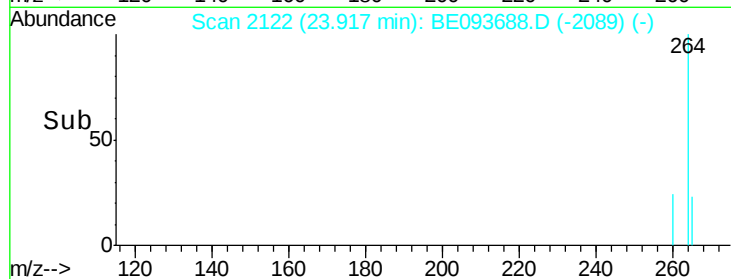
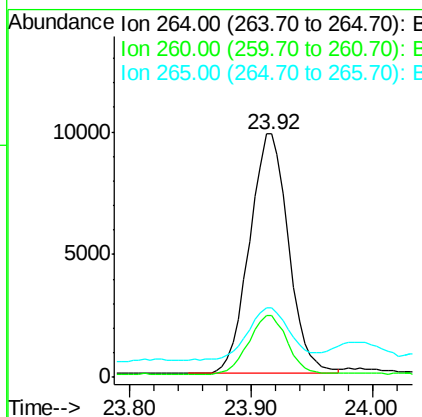
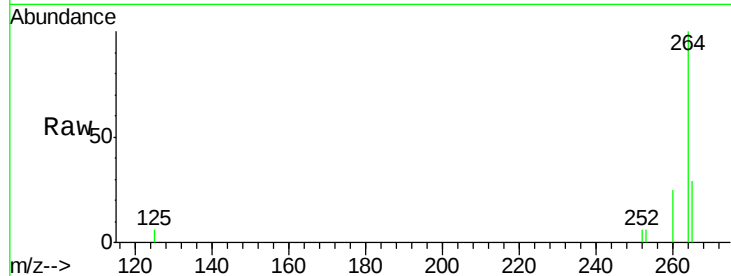
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.92 min Scan# 2122
 Delta R.T. 0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Instrument :
 BNA_E
 ClientSampleId :
 LASB-17B-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.0	31.4
265	28.6	24.6	36.8

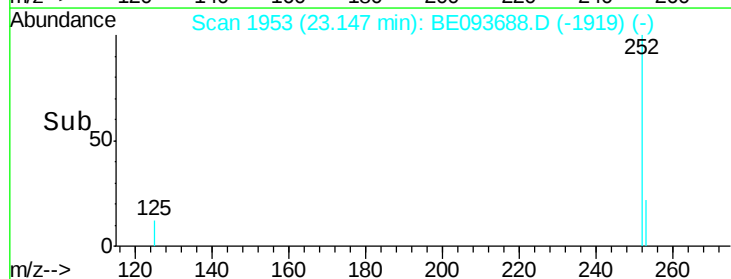
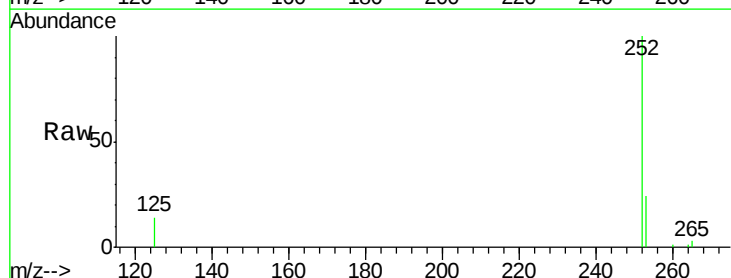
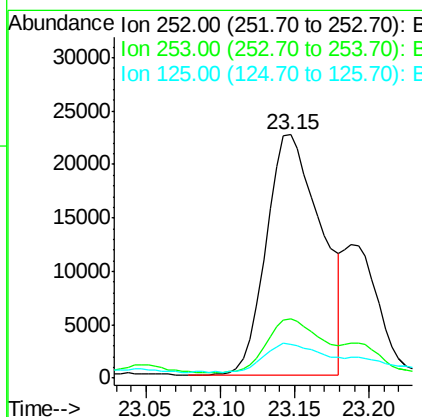
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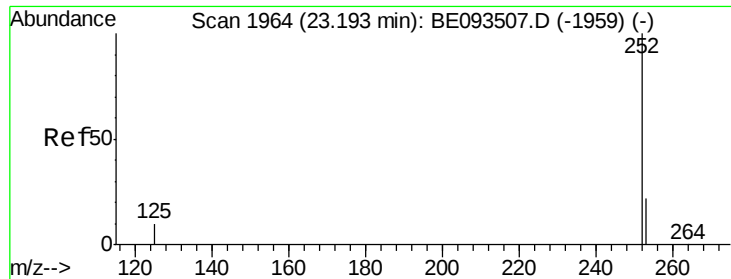
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#35
 Benzo(b)fluoranthene
 Concen: 0.739 ng
 RT: 23.15 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: BE093688.D
 Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	13.7	13.4	20.0





#36

Benzo(k)fluoranthene

Concen: 0.267 ng m

RT: 23.19 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Instrument :

BNA_E

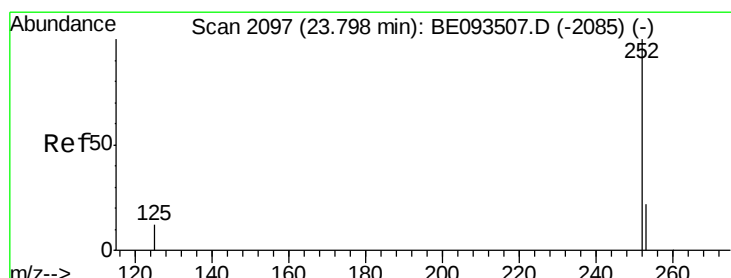
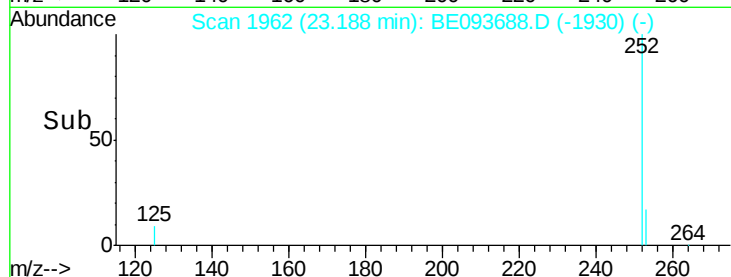
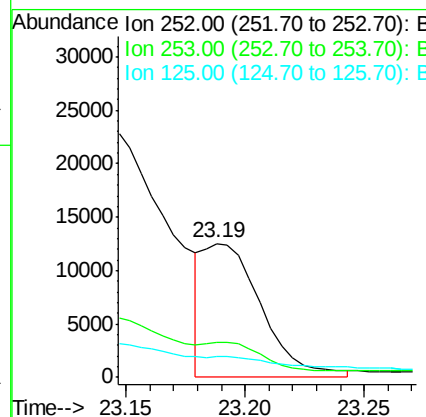
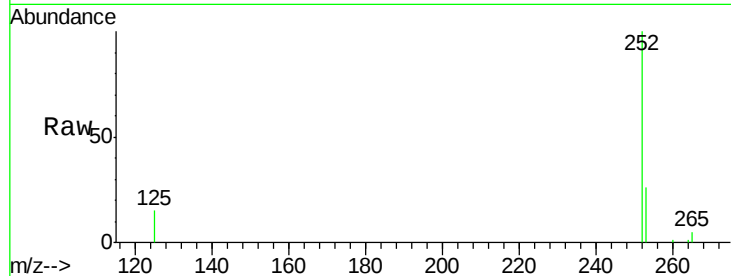
ClientSampleId :

LASB-17B-1

Tgt Ion:	252	Resp:	21245
Ion Ratio	Lower	Upper	
252	100		
253	26.3	20.3	30.5
125	15.3	12.2	18.4

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#37

Benzo(a)pyrene

Concen: 0.565 ng m

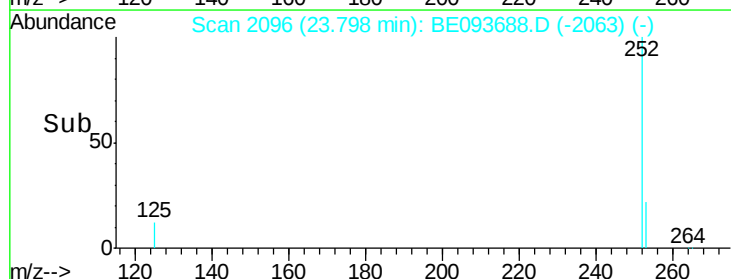
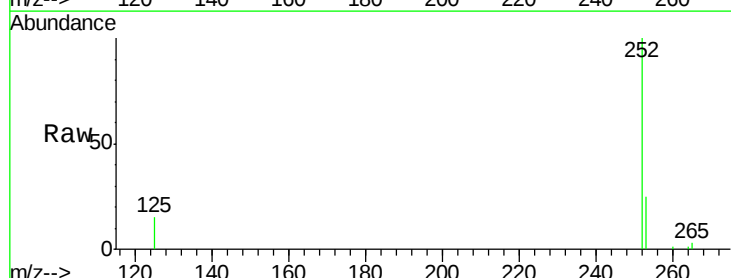
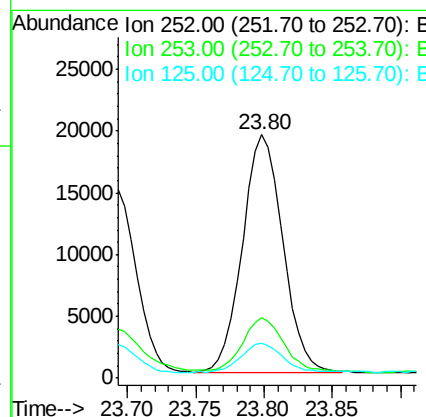
RT: 23.80 min Scan# 2096

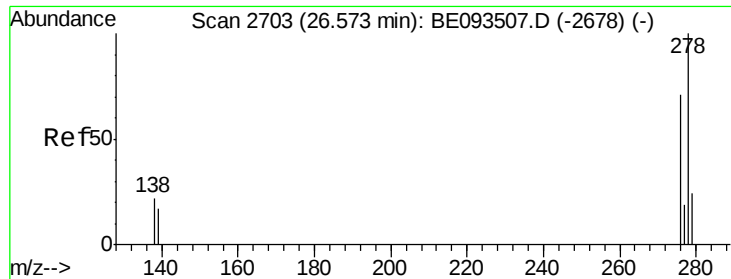
Delta R.T. 0.00 min

Lab File: BE093688.D

Acq: 5 Aug 2017 23:14

Tgt Ion:	252	Resp:	39774
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.9	29.9
125	14.5	14.6	21.8





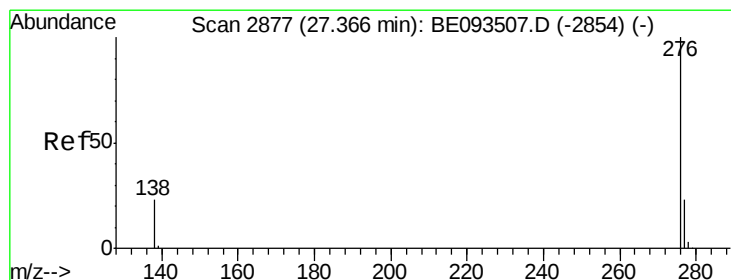
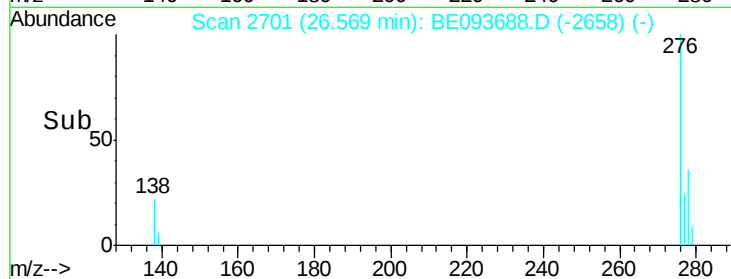
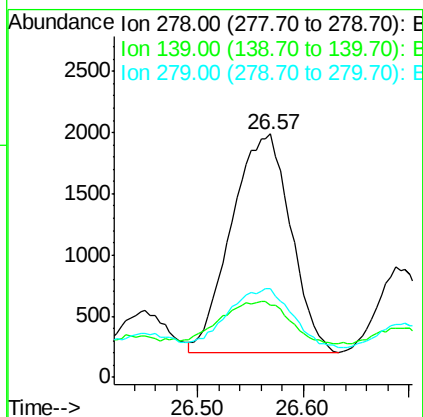
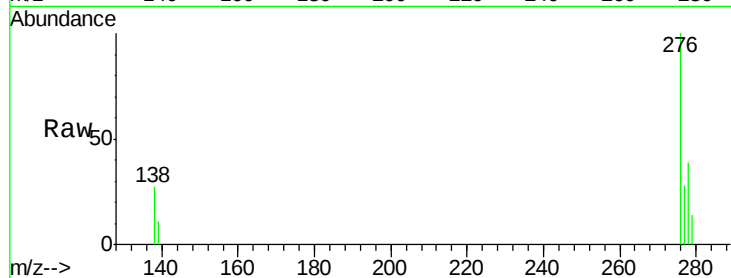
#38
Dibenzo(a,h)anthracene
Concen: 0.103 ng
RT: 26.57 min Scan# 2701
Delta R.T. -0.00 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Instrument :
BNA_E
ClientSampleId :
LASB-17B-1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.6	21.4	32.0
279	36.2	22.2	33.2

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#39
Benzo(g,h,i)perylene
Concen: 0.375 ng
RT: 27.37 min Scan# 2877
Delta R.T. 0.00 min
Lab File: BE093688.D
Acq: 5 Aug 2017 23:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	21.2	31.8
138	26.4	24.5	36.7

