

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
 Data File : BE097117.D
 Acq On : 31 Jul 2018 11:47
 Operator : SJ/JU
 Sample : J4211-06MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LW-03-072618MS

Manual Integrations
 APPROVED

Sohil
 8/1/2018 4:50:01 PM

Quant Time: Jul 31 12:53:35 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 31 10:49:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1612	0.40	ng	0.00
7) Naphthalene-d8	10.14	136	7763	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4788	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	13852	0.40	ng	0.00
27) Chrysene-d12	20.98	240	16024	0.40	ng	0.00
34) Perylene-d12	23.21	264	15089	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.05	112	858	0.19	ng	0.00
5) Phenol-d6	6.60	99	733	0.11	ng	0.00
8) Nitrobenzene-d5	8.52	82	2989	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4944	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	965	0.61	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7678	0.46	ng	0.00
25) Fluoranthene-d10	18.81	212	68167	0.49	ng	0.00
29) Terphenyl-d14	19.43	244	15962	0.52	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.10	88	581	0.227	ng	# 42
3) n-Nitrosodimethylamine	3.38	42	471	0.164	ng	# 94
6) bis(2-Chloroethyl)ether	6.84	93	2351	0.387	ng	# 88
9) Naphthalene	10.20	128	29058	0.417	ng	# 99
10) Hexachlorobutadiene	10.48	225	959	0.307	ng	# 98
12) 2-Methylnaphthalene	11.80	142	5195	0.435	ng	# 94
16) Acenaphthylene	13.73	152	8496	0.395	ng	# 97
17) Acenaphthene	14.08	154	7846	0.628	ng	# 93
18) Fluorene	15.07	166	7673	0.465	ng	# 75
20) 4-Bromophenyl-phenylether	15.97	248	2214	0.329	ng	# 69
21) Hexachlorobenzene	16.08	284	2090	0.289	ng	# 67
22) Pentachlorophenol	16.43	266	3244	1.463	ng	# 71
23) Phenanthrene	16.81	178	14835	0.449	ng	# 87
24) Anthracene	16.89	178	18538	0.628	ng	# 93
26) Fluoranthene	18.84	202	20573	0.555	ng	# 96
28) Pyrene	19.20	202	24738	0.563	ng	# 99
30) Benzo(a)anthracene	20.96	228	18829	0.472	ng	# 88
31) Chrysene	21.02	228	18710	0.438	ng	# 83
32) Bis(2-ethylhexyl)phthalate	20.92	149	46773	1.015	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	18910	0.489	ng	# 94
35) Benzo(b)fluoranthene	22.54	252	17784m	0.465	ng	# 80
36) Benzo(k)fluoranthene	22.58	252	17453	0.390	ng	# 80
37) Benzo(a)pyrene	23.11	252	16284	0.452	ng	# 88
38) Dibenzo(a,h)anthracene	25.53	278	15288	0.425	ng	# 98
39) Benzo(g,h,i)perylene	26.20	276	16203	0.425	ng	# 91

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

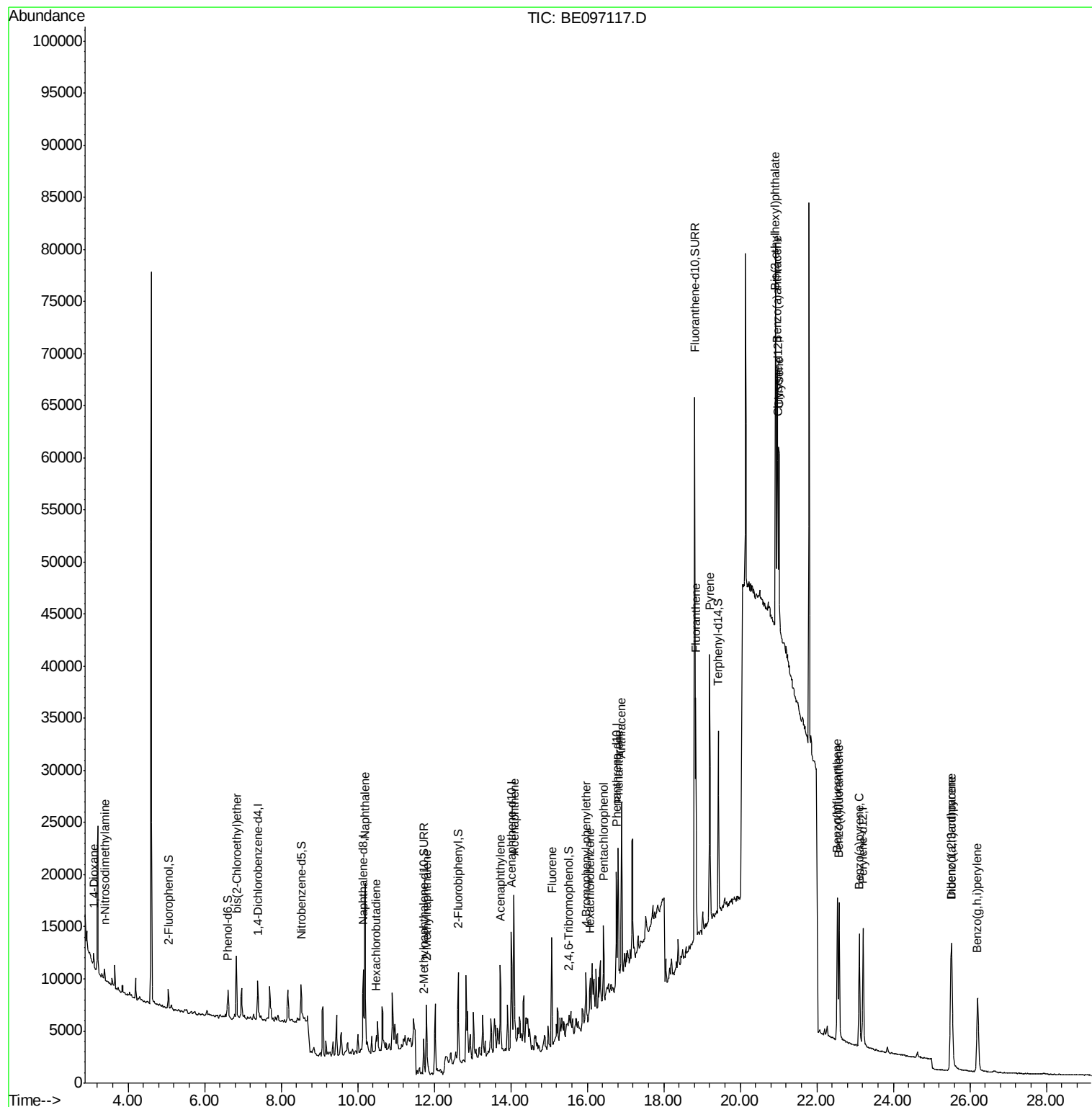
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
Data File : BE097117.D
Acq On : 31 Jul 2018 11:47
Operator : SJ/JU
Sample : J4211-06MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

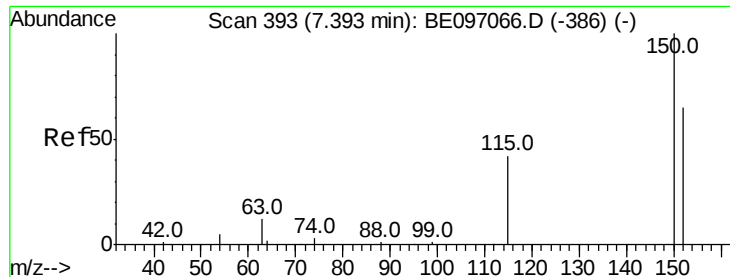
Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

Manual Integrations
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8/1/2018 4:50:01 PM

Quant Time: Jul 31 12:53:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 10:49:28 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

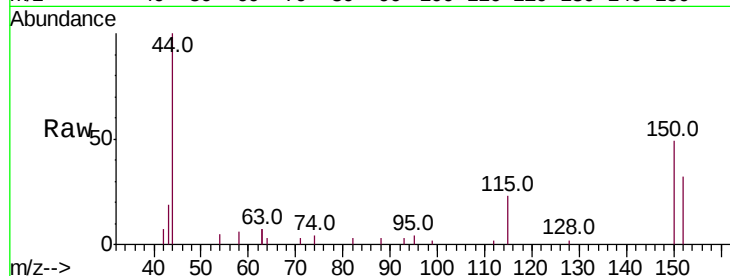
ClientSampleId :

LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	117.2	175.8
115	69.7	57.0	85.6

Manual Integrations
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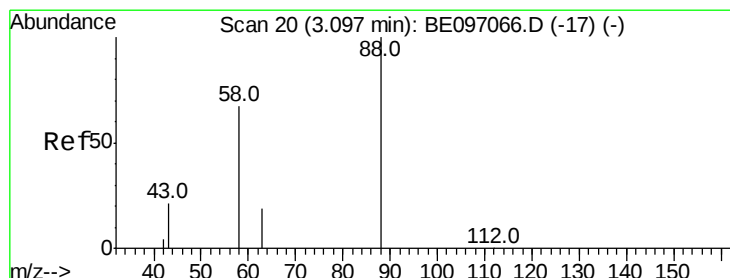
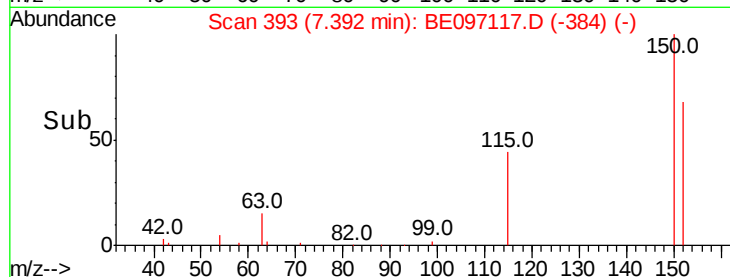
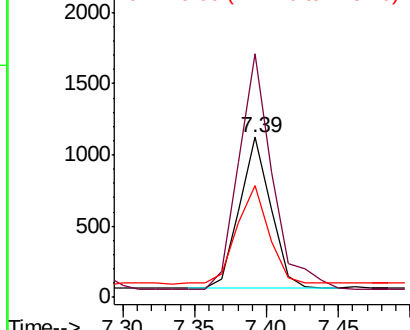


Abundance

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: 0.227 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

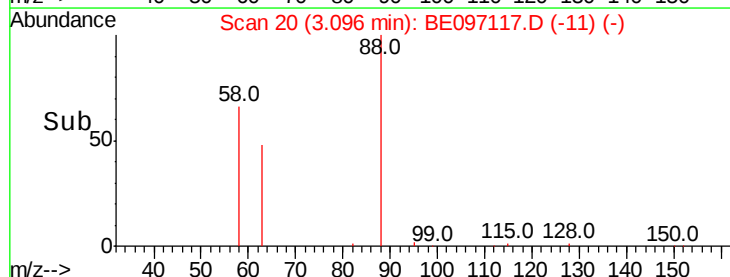
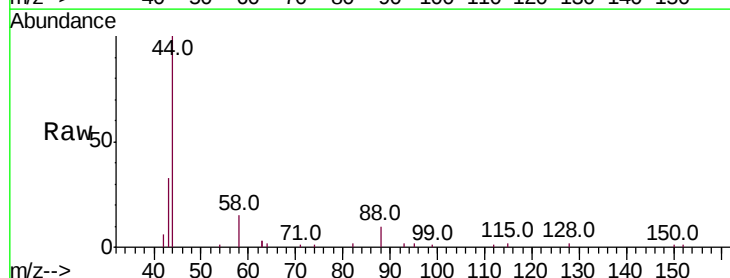
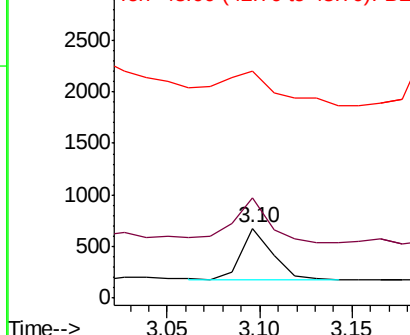
Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.7	63.2	94.8#
43	127.0	41.2	61.8#

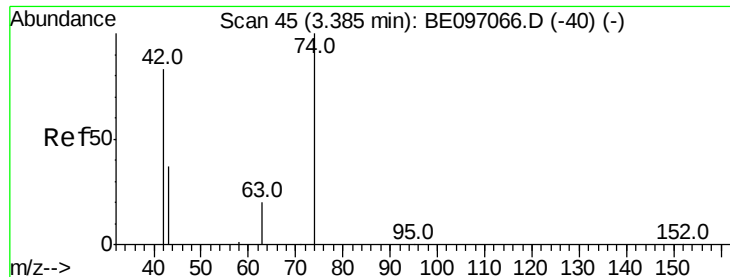
Abundance

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

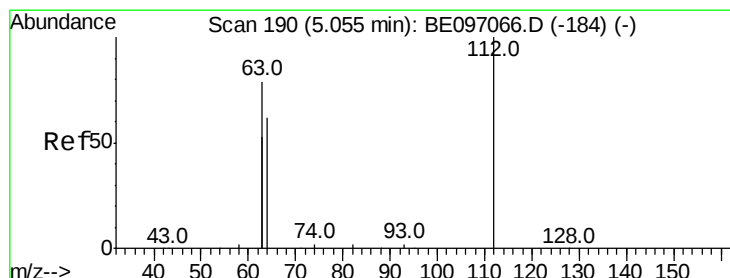
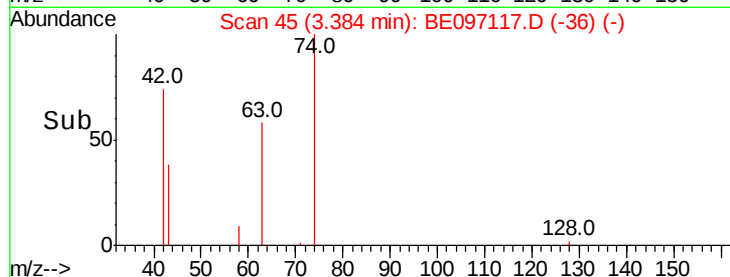
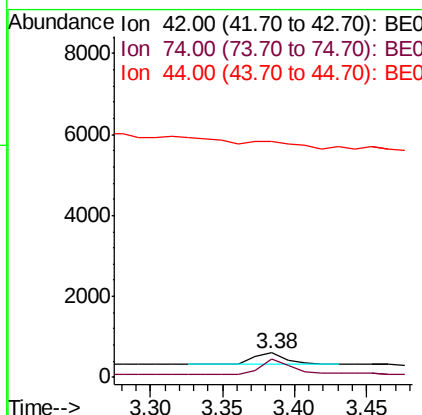
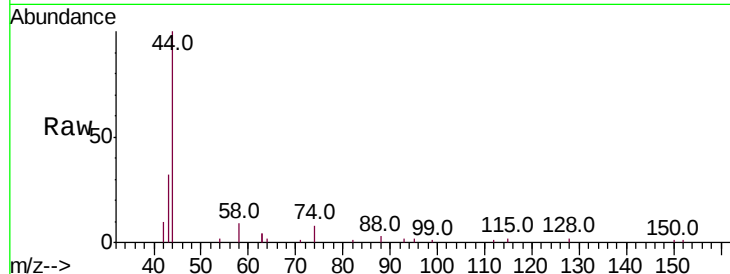
n-Nitrosodimethylamine
 Concen: 0.164 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE097117.D
 Acq: 31 Jul 2018 11:47

Instrument :
 BNA_E
 ClientSampleId :
 LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
42	100		
74	117.0	96.0	144.0
44	0.0	12.0	18.0

Manual Integrations
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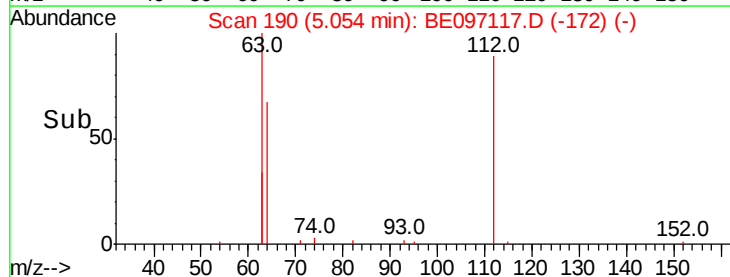
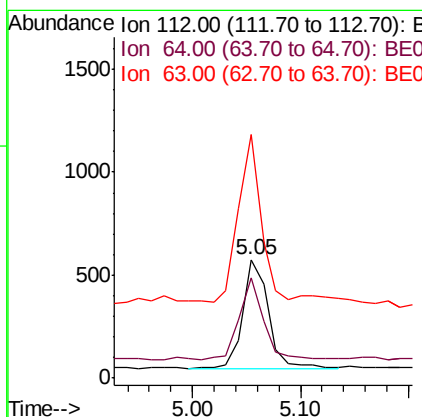
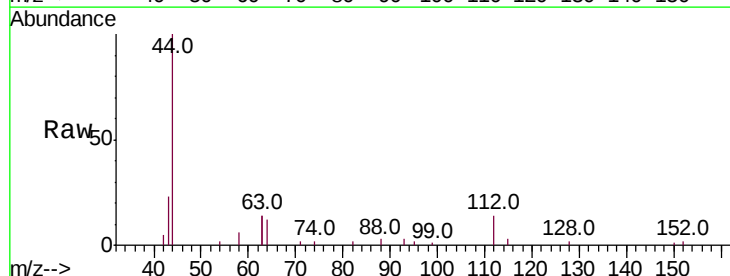
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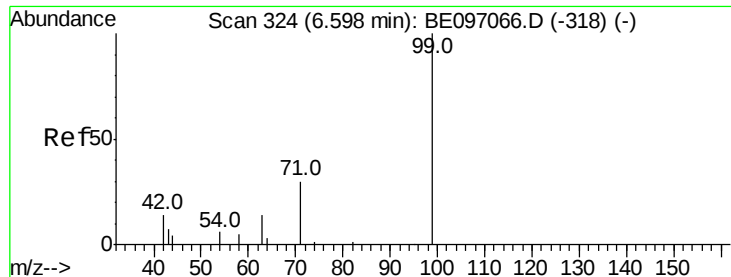


#4

2-Fluorophenol
 Concen: 0.189 ng
 RT: 5.05 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: BE097117.D
 Acq: 31 Jul 2018 11:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	60.1	90.1
63	133.1	116.8	175.2





#5

Phenol-d6

Concen: 0.110 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

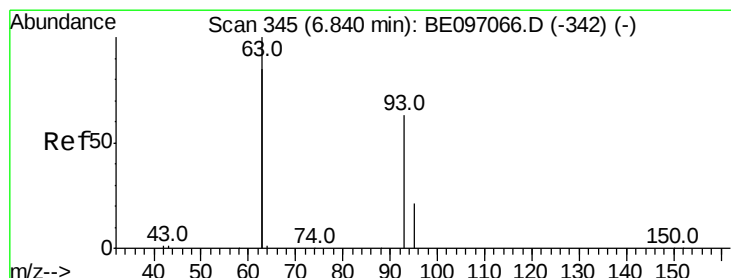
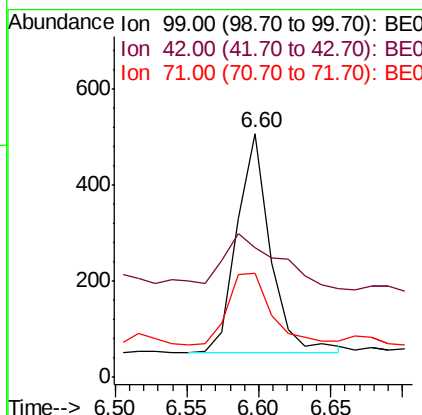
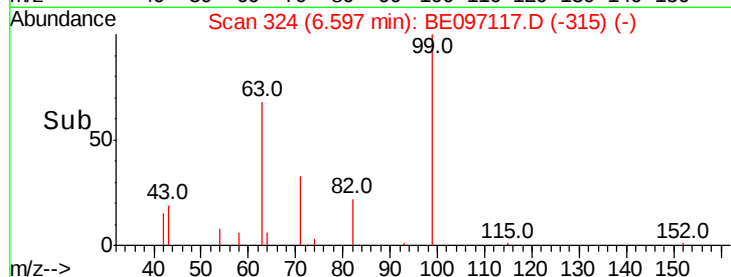
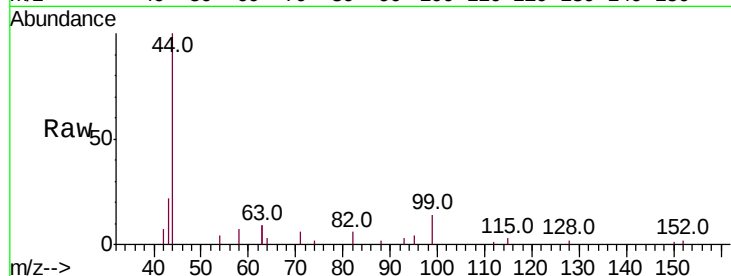
ClientSampleId :

LW-03-072618MS

Tot Ion:	99	Resp:	733
Ion	Ratio	Lower	Upper
99	100		
42	40.8	20.2	30.2#
71	43.1	28.4	42.6#

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.387 ng

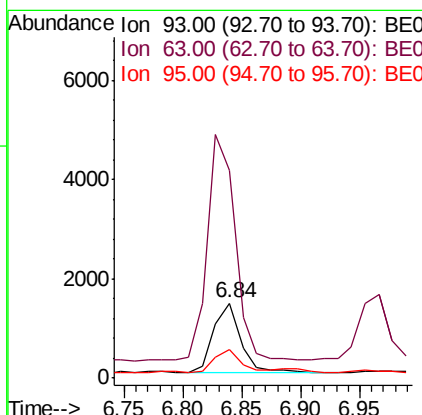
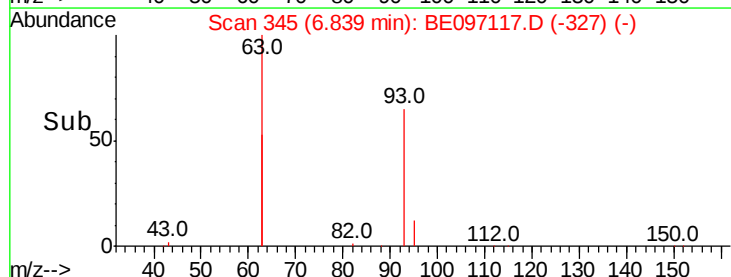
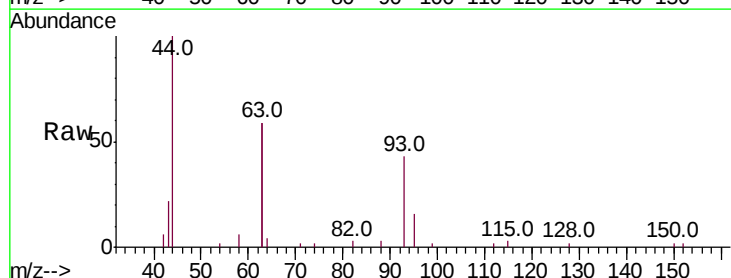
RT: 6.84 min Scan# 345

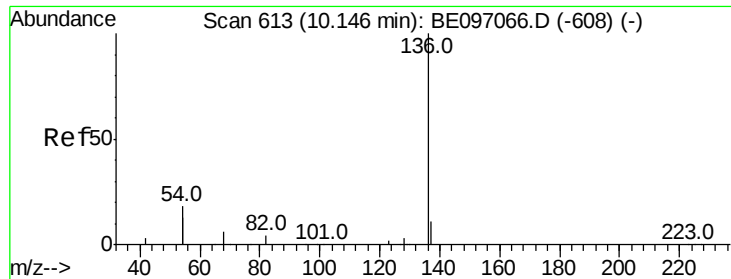
Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Tgt Ion:	93	Resp:	2351
Ion	Ratio	Lower	Upper
93	100		
63	317.9	275.3	412.9
95	37.5	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

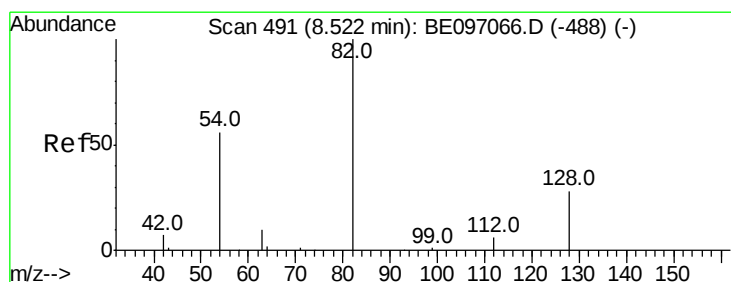
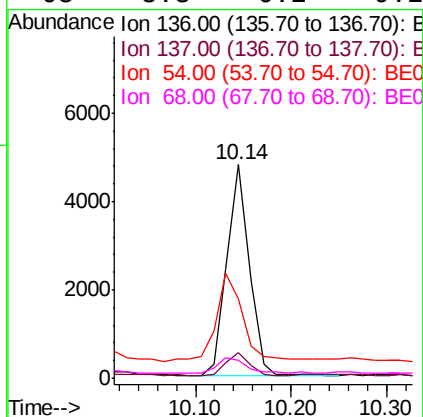
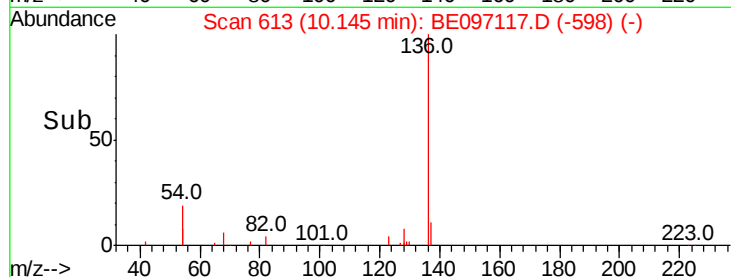
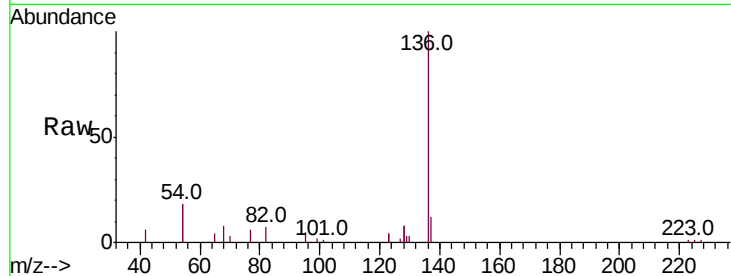
ClientSampleId :

LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	36.9	29.1	43.7
68	8.3	6.2	9.2

Manual Integrations
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8/1/2018 4:50:01 PM



#8

Nitrobenzene-d5

Concen: 0.443 ng

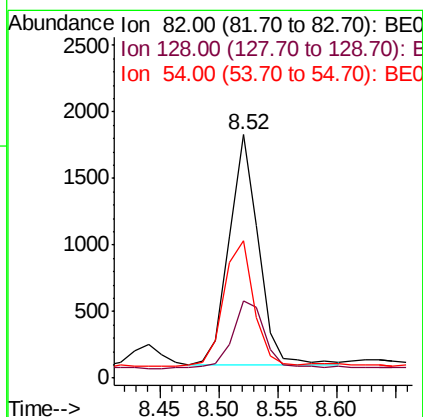
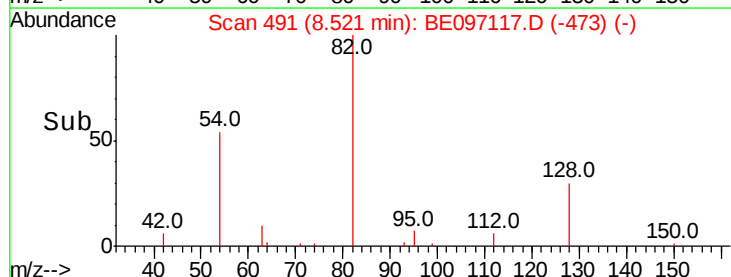
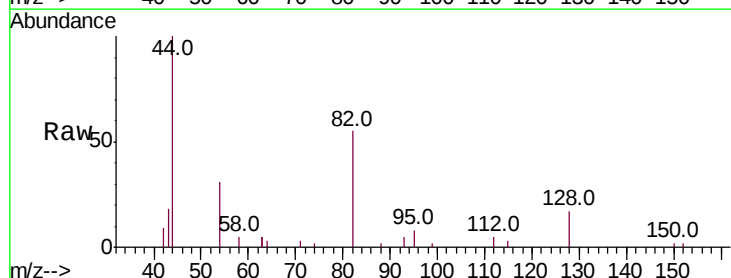
RT: 8.52 min Scan# 491

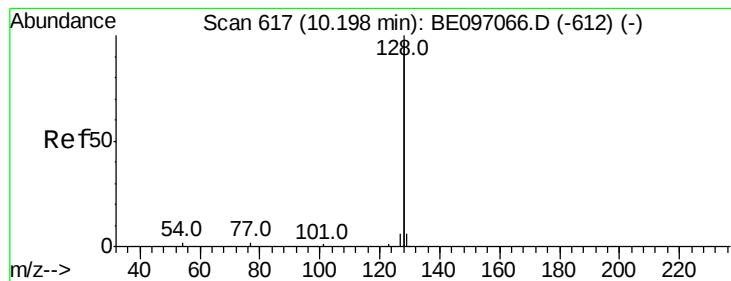
Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.0	24.0	36.0
54	56.2	40.0	60.0





#9

Naphthalene

Concen: 0.417 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

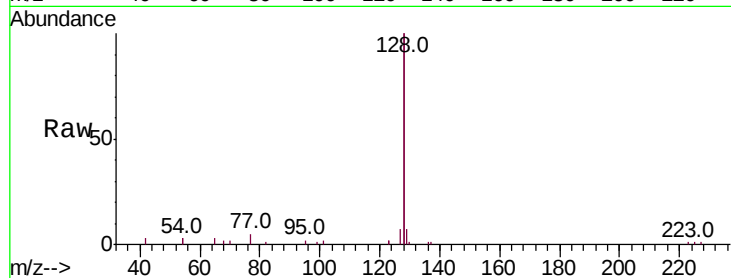
ClientSampleId :

LW-03-072618MS

Tot Ion:	128	Resp:	29058
Ion Ratio	Lower	Upper	
128	100		
129	3.4	2.6	3.8
127	3.7	2.8	4.2

Manual Integrations
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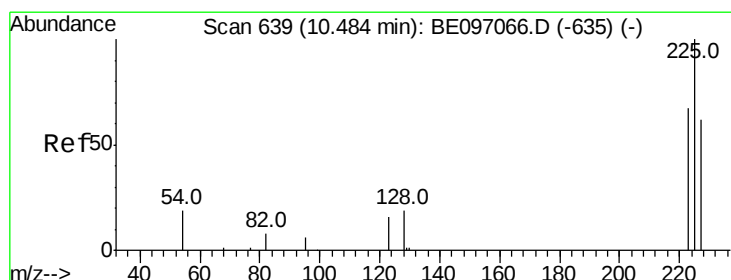
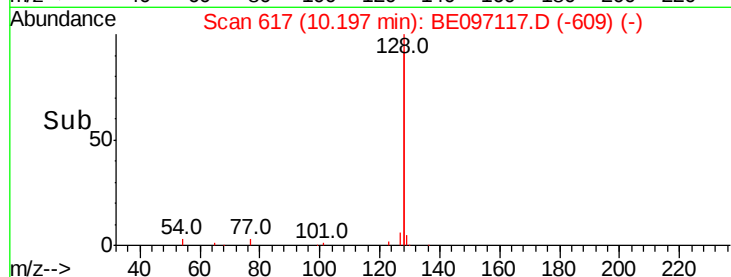
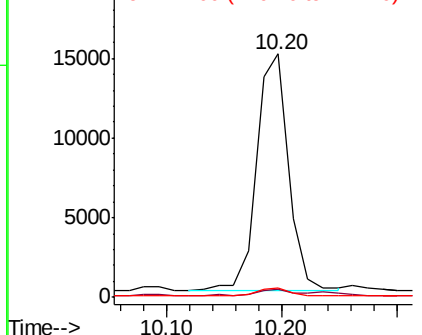


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.307 ng

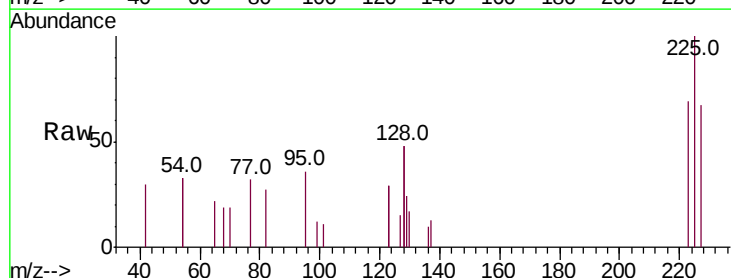
RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Tgt Ion:	225	Resp:	959
Ion Ratio	Lower	Upper	
225	100		
223	63.6	53.0	79.6
227	64.3	51.4	77.2

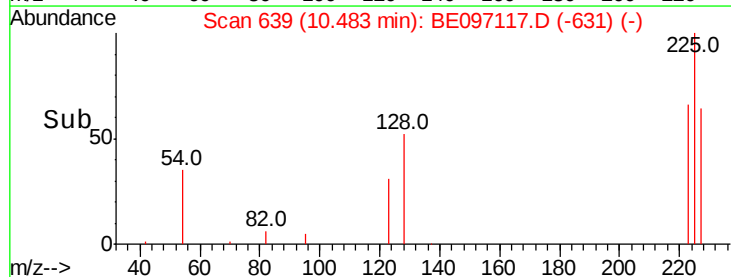
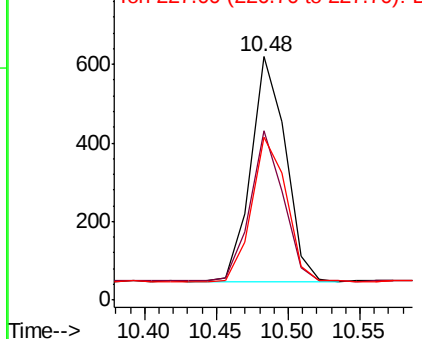


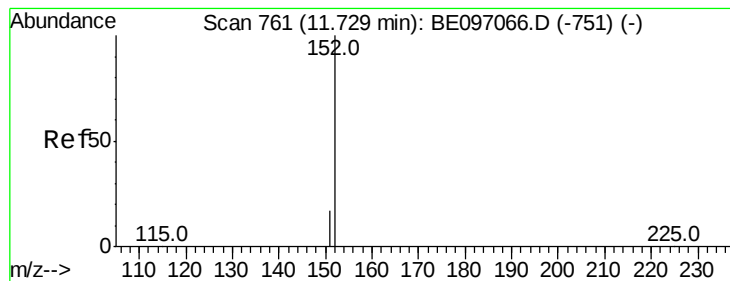
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





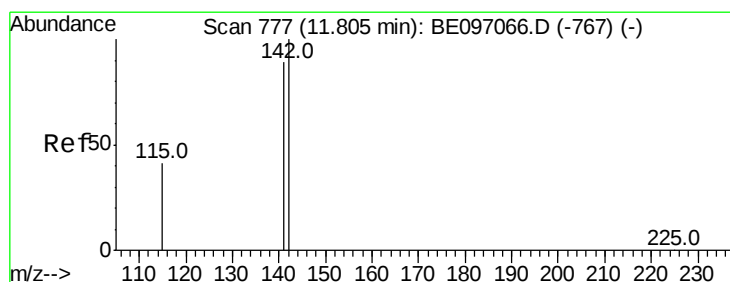
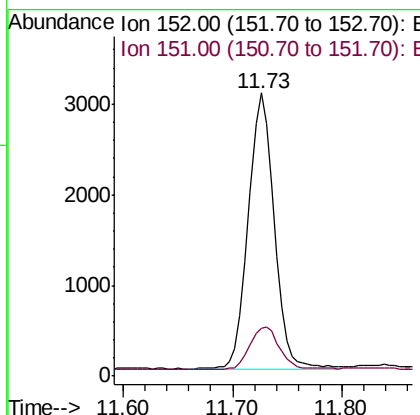
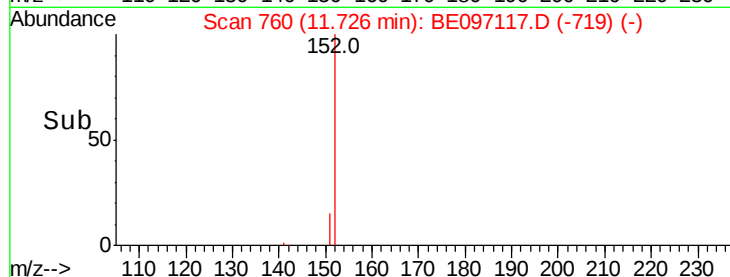
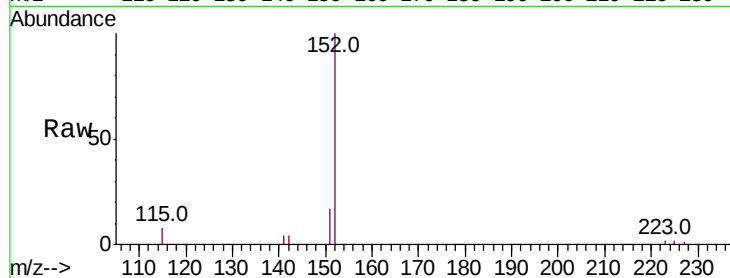
#11
2-Methylnaphthalene-d10
Concen: 0.425 ng
RT: 11.73 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.6	15.4	23.0

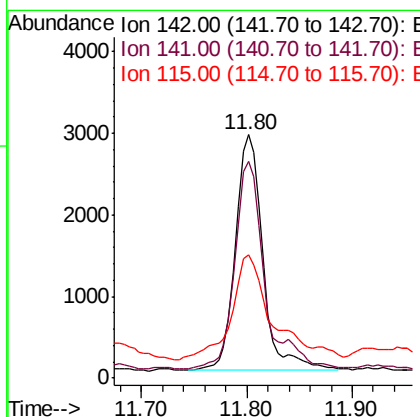
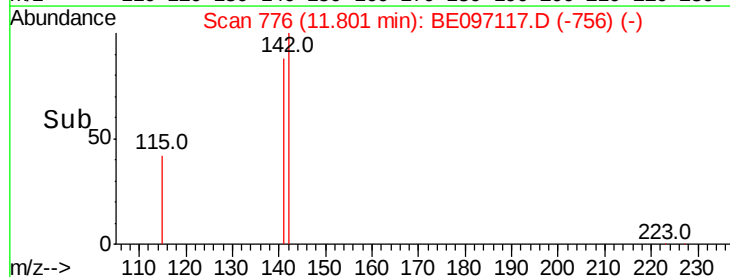
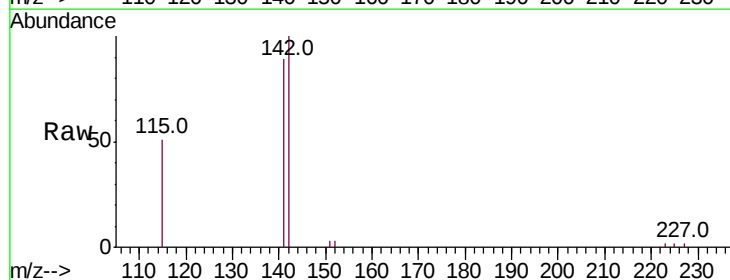
Manual Integrations
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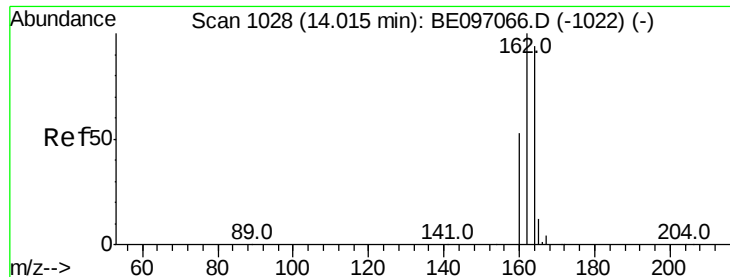
Sohil
8/1/2018 4:50:01 PM



#12
2-Methylnaphthalene
Concen: 0.435 ng
RT: 11.80 min Scan# 776
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.4	105.6
115	50.7	31.7	47.5#





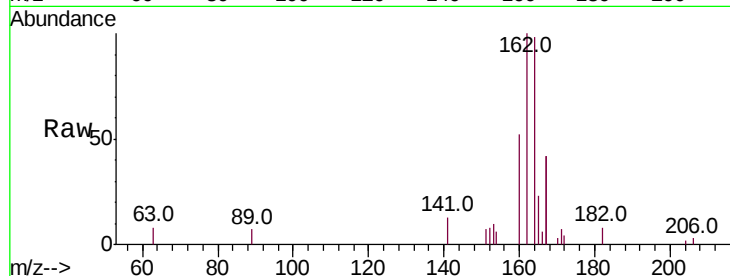
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Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.1	124.7
160	52.8	37.1	55.7

Manual Integrations
APPROVED

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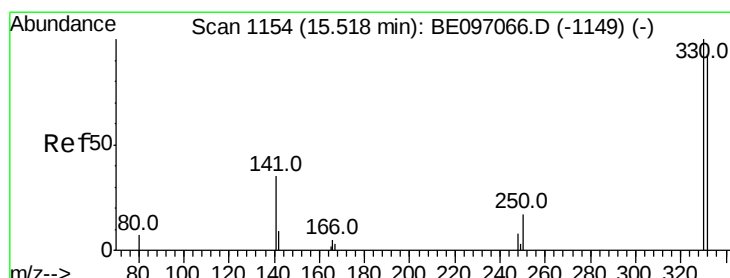
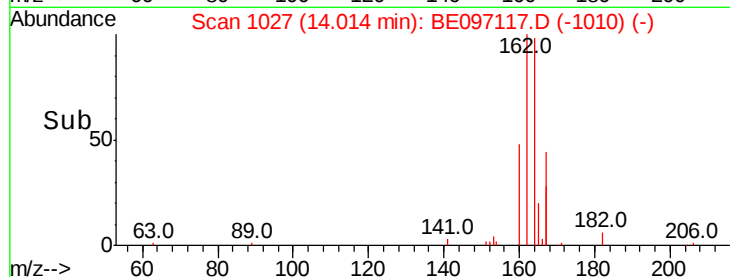
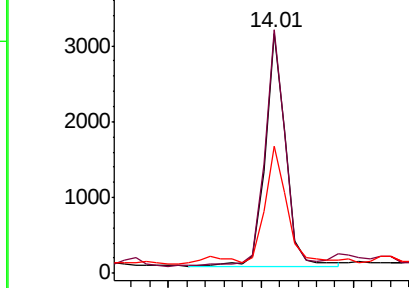


Abundance

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: 0.612 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

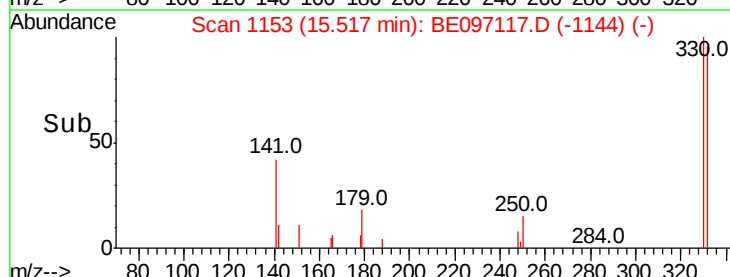
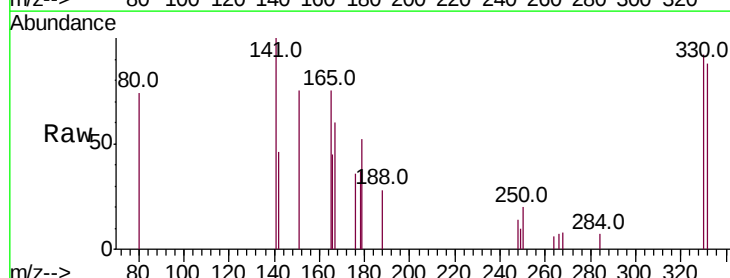
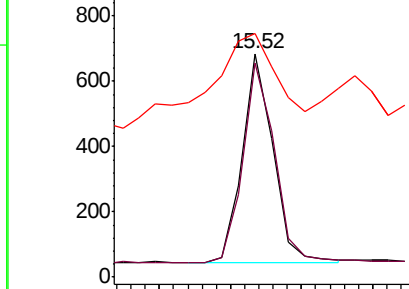
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	152.7	229.1#
141	76.5	33.7	50.5#

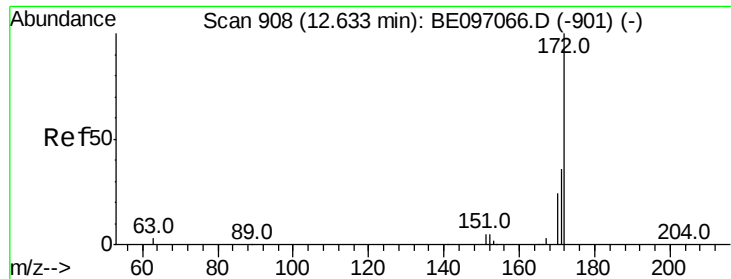
Abundance

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





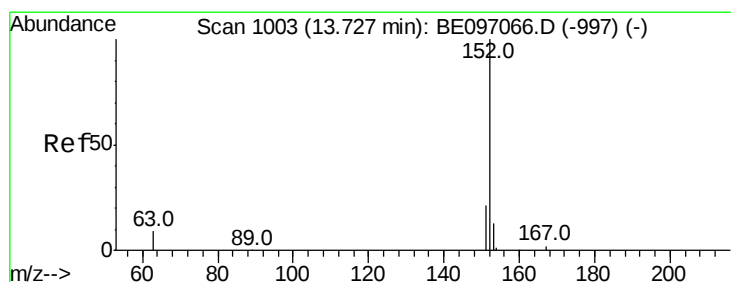
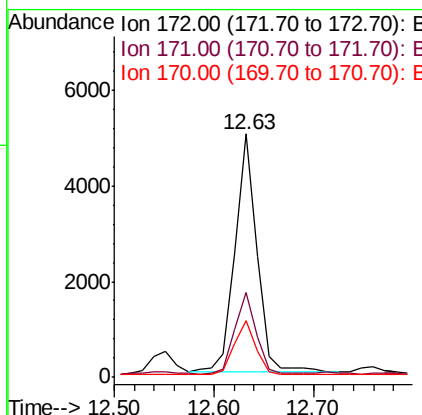
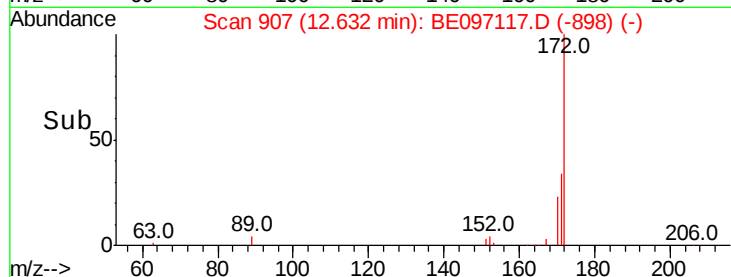
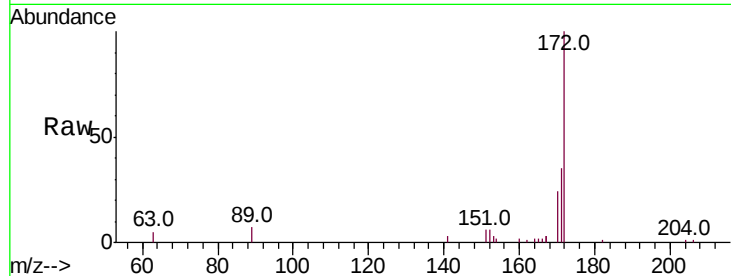
#15
2-Fluorobiphenyl
Concen: 0.464 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.9	44.9
170	23.5	21.8	32.8

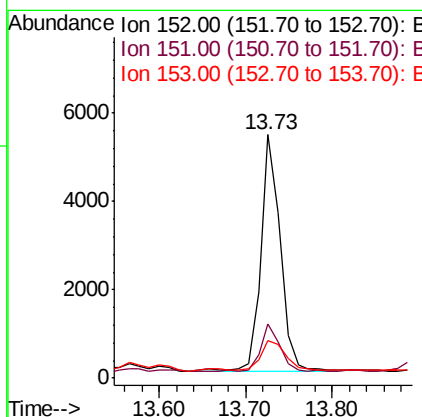
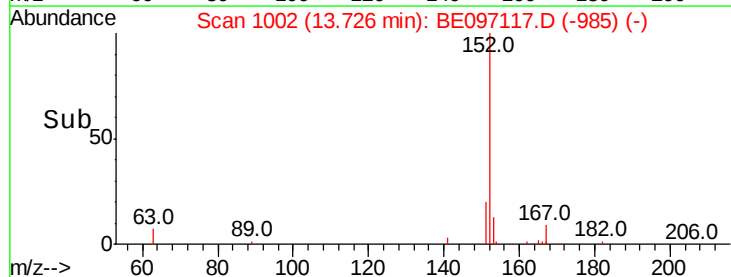
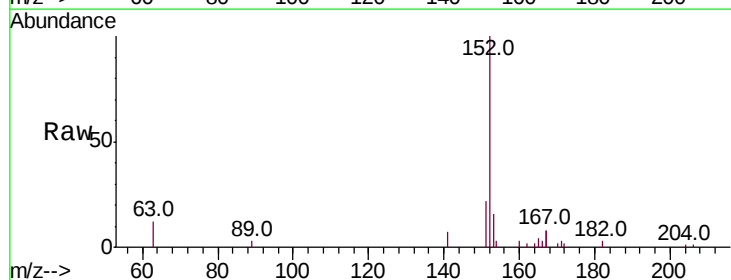
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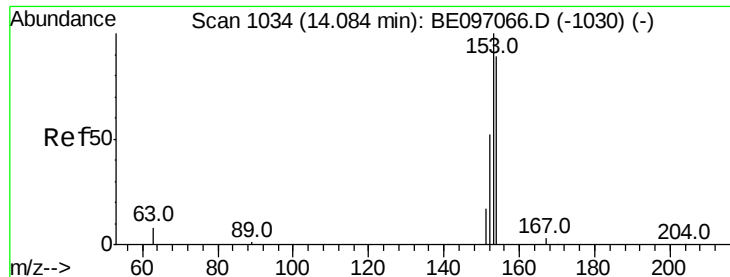
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#16
Acenaphthylene
Concen: 0.395 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	15.8	10.5	15.7#





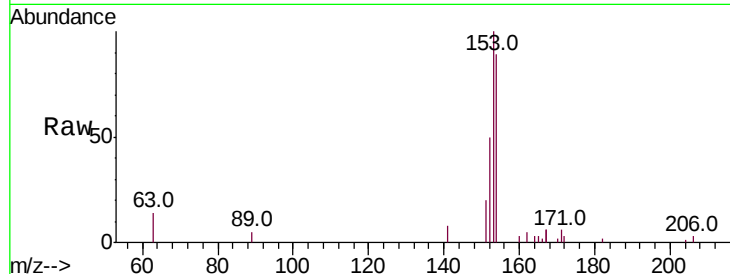
#17
Acenaphthene
Concen: 0.628 ng
RT: 14.08 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

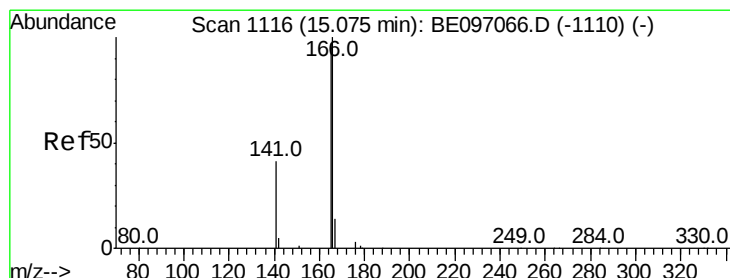
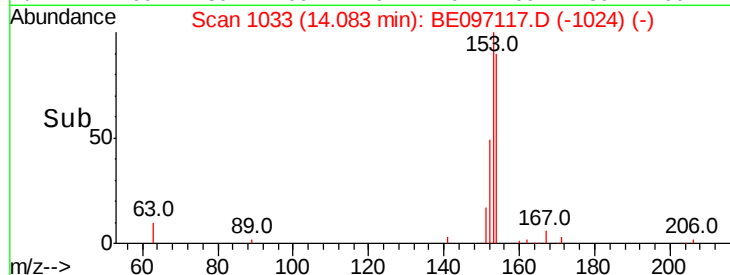
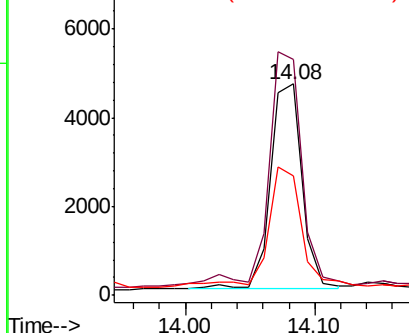
Tot Ion	Ratio	Lower	Upper
154	100		
153	117.0	89.2	133.8
152	59.7	42.0	63.0

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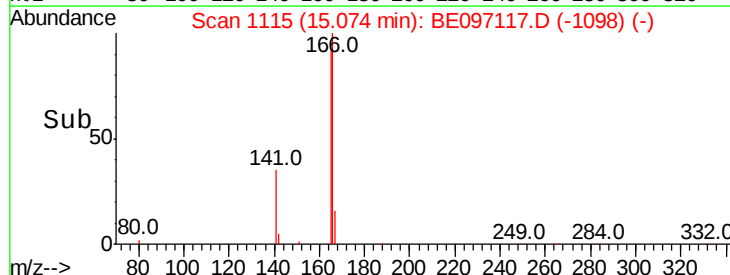
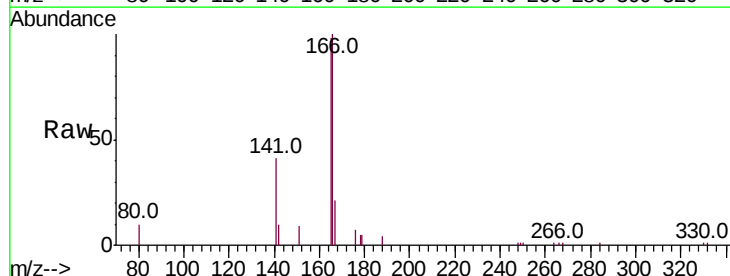
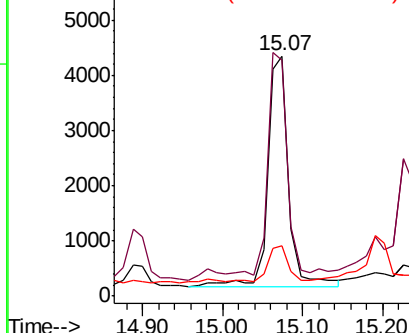
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

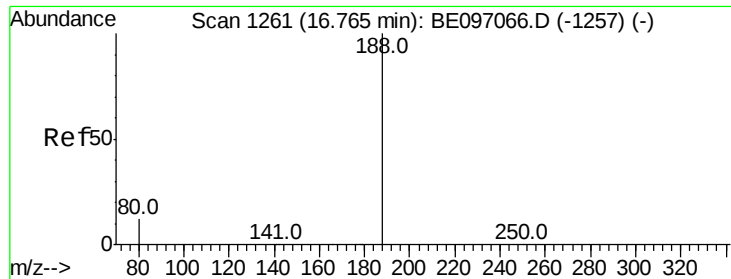


#18
Fluorene
Concen: 0.465 ng
RT: 15.07 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.4	77.8	116.6
167	13.7	42.4	63.6#

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: 16.76 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

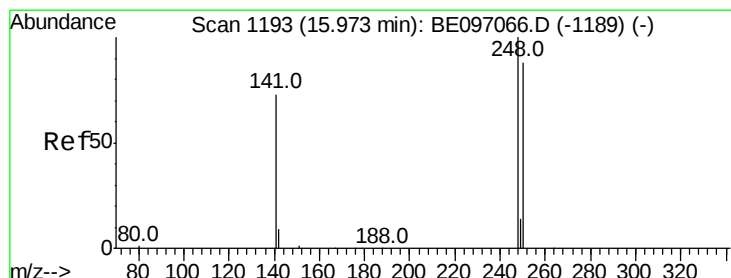
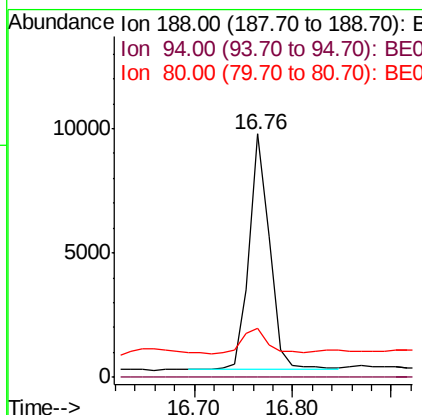
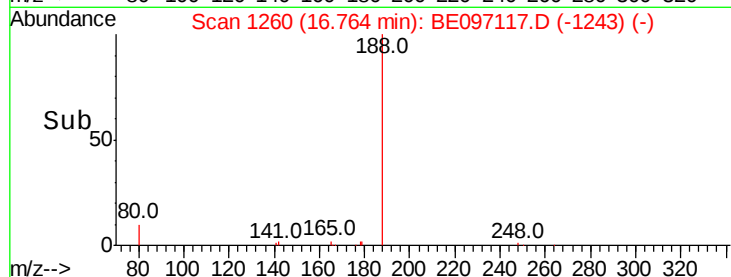
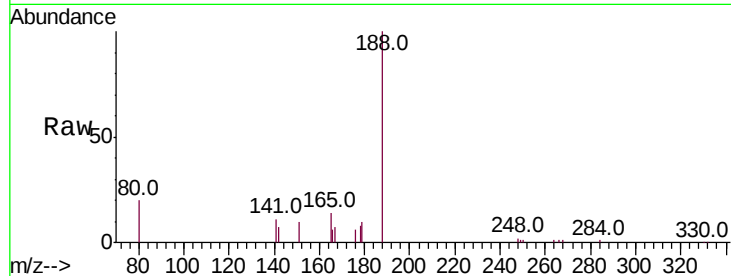
ClientSampled :

LW-03-072618MS

Tot Ion:	188	Resp:	13852
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	20.1	3.6	5.4#

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#20

4-Bromophenyl-phenylether

Concen: 0.329 ng

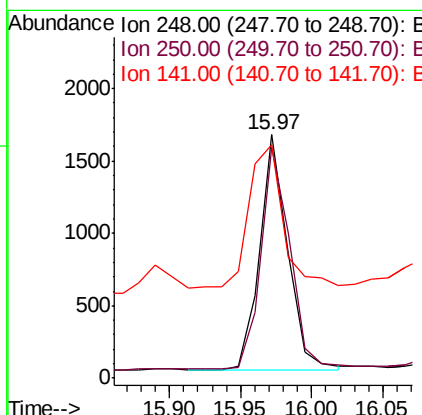
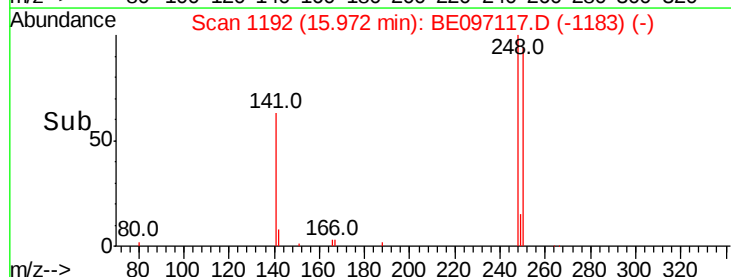
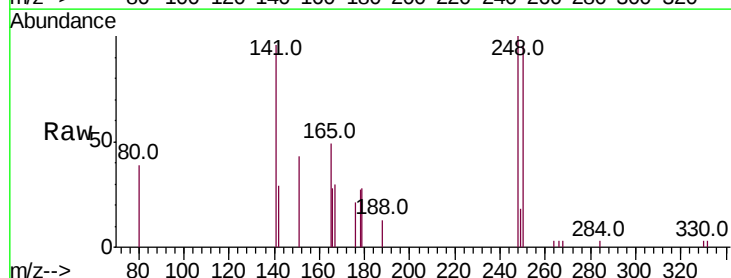
RT: 15.97 min Scan# 1192

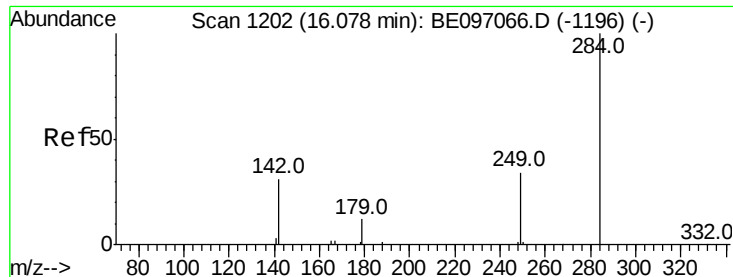
Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Tgt Ion:	248	Resp:	2214
Ion Ratio	Lower	Upper	
248	100		
250	94.6	62.7	94.1#
141	95.8	48.2	72.2#





#21

Hexachlorobenzene

Concen: 0.289 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

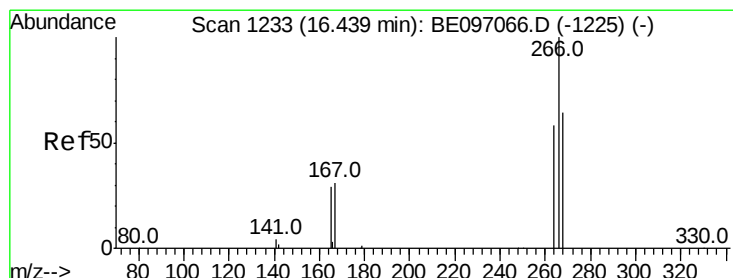
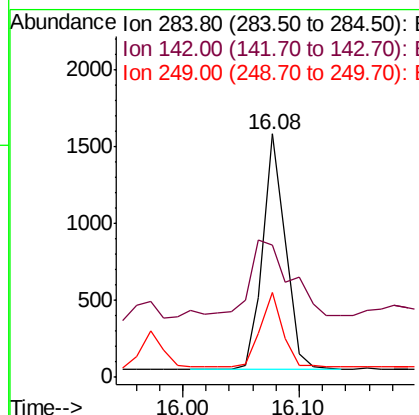
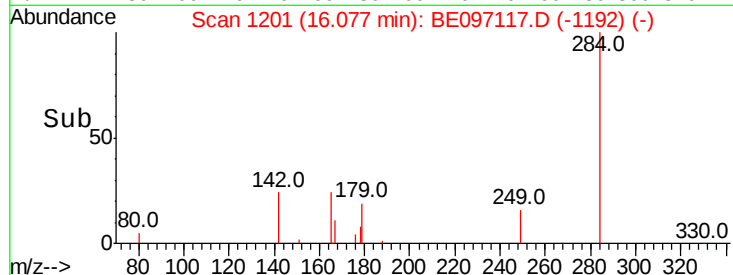
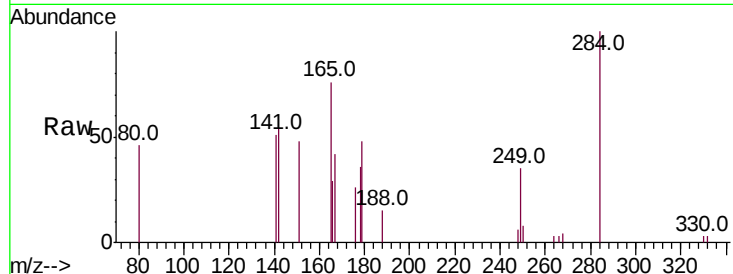
ClientSampleId :

LW-03-072618MS

Tot Ion:	284	Resp:	2090
Ion Ratio	Lower	Upper	
284	100		
142	55.8	22.1	33.1#
249	31.2	34.8	52.2#

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#22

Pentachlorophenol

Concen: 1.463 ng

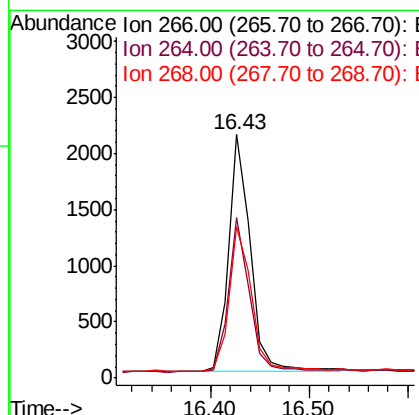
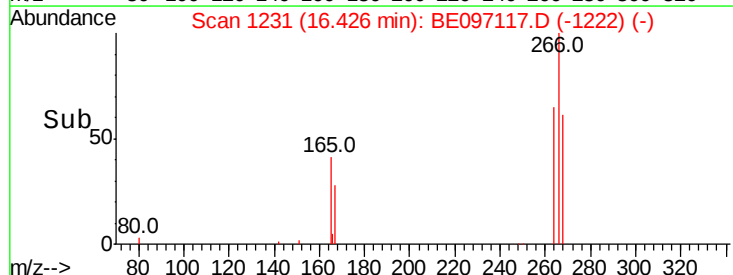
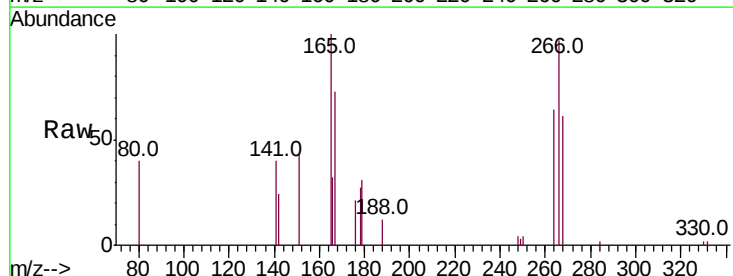
RT: 16.43 min Scan# 1231

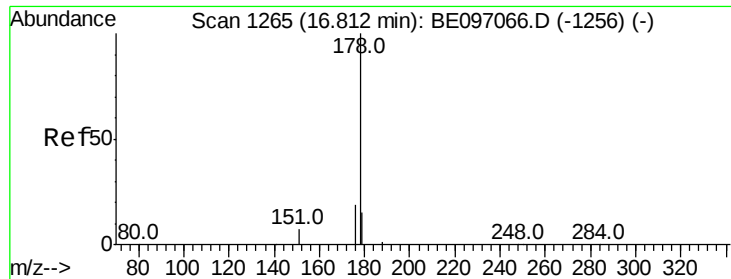
Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Tgt Ion:	266	Resp:	3244
Ion Ratio	Lower	Upper	
266	100		
264	66.0	72.5	108.7#
268	62.2	73.8	110.6#





#23

Phenanthrene

Concen: 0.449 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

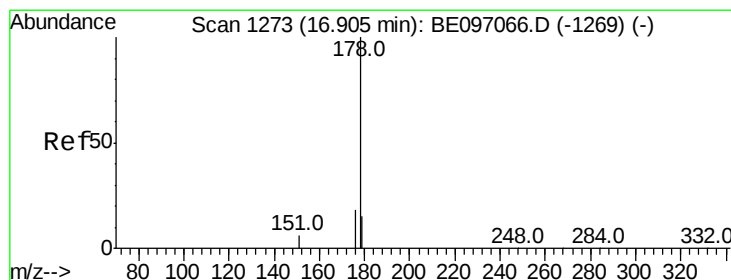
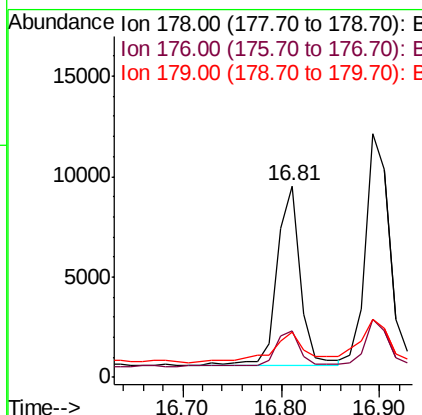
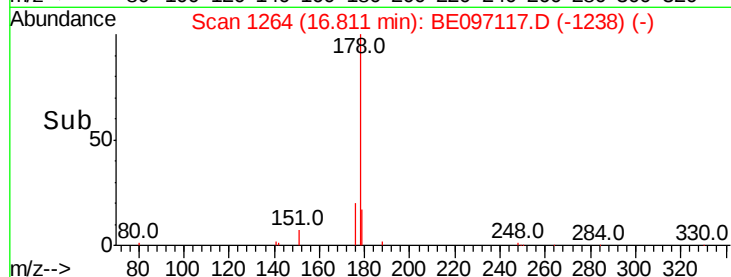
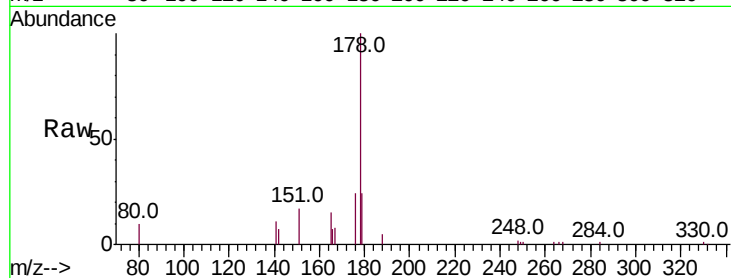
ClientSampleId :

LW-03-072618MS

Tot Ion:178	Resp:	14835
Ion Ratio	Lower	Upper
178	100	
176	21.7	15.1 22.7
179	24.0	11.8 17.6#

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#24

Anthracene

Concen: 0.628 ng

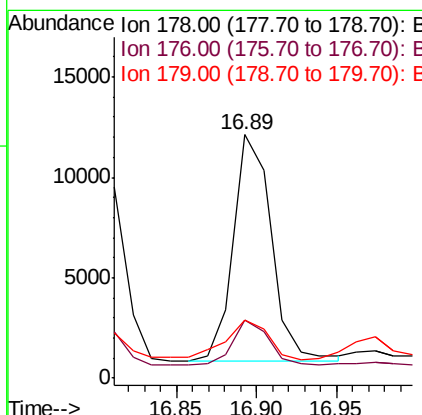
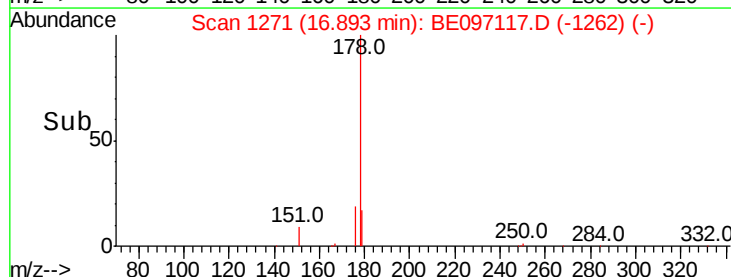
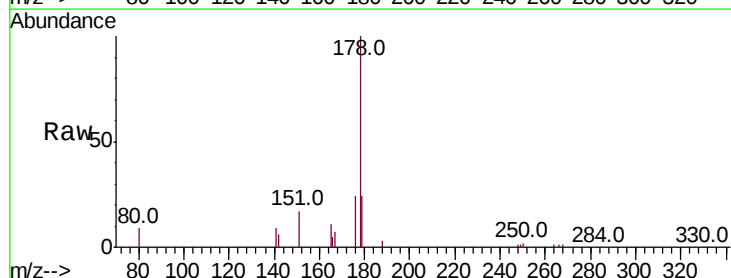
RT: 16.89 min Scan# 1271

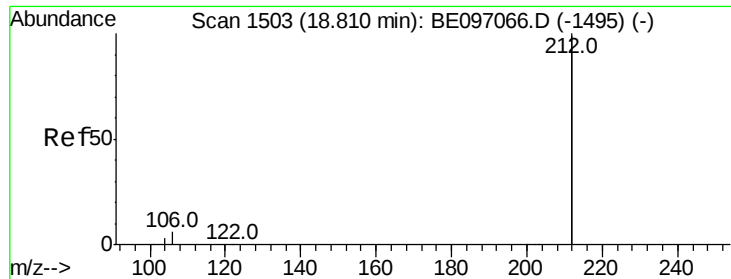
Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Tgt Ion:178	Resp:	18538
Ion Ratio	Lower	Upper
178	100	
176	19.1	12.8 19.2
179	19.5	13.0 19.6





#25

Fluoranthene-d10

Concen: 0.492 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

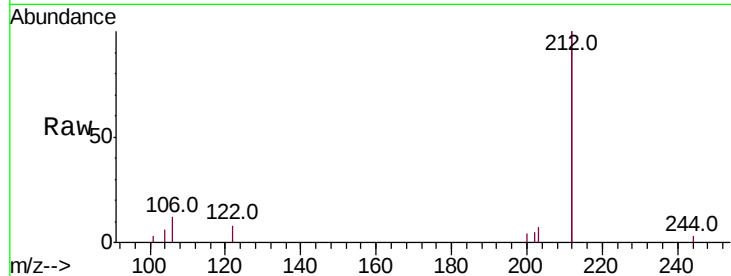
ClientSampleId :

LW-03-072618MS

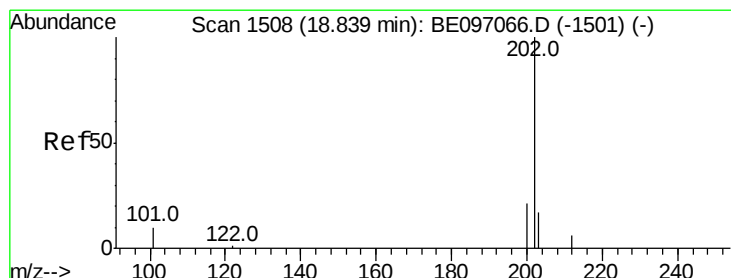
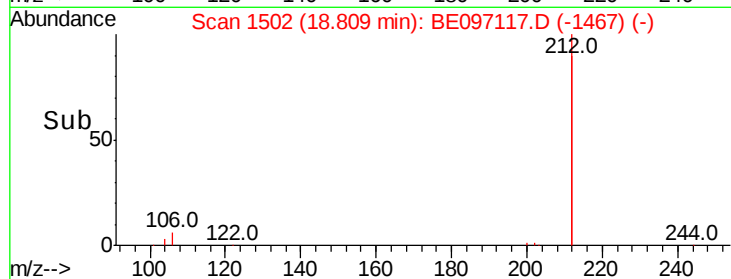
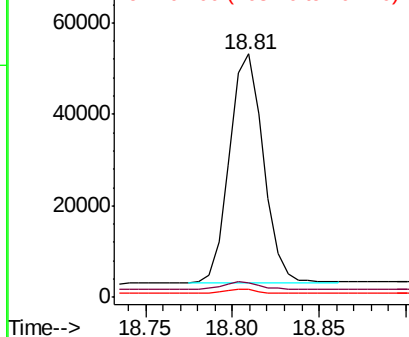
Tot Ion:	212	Resp:	68167
Ion Ratio	Lower	Upper	
212	100		
106	3.2	2.8	4.2
104	2.2	1.6	2.4

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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: 0.555 ng

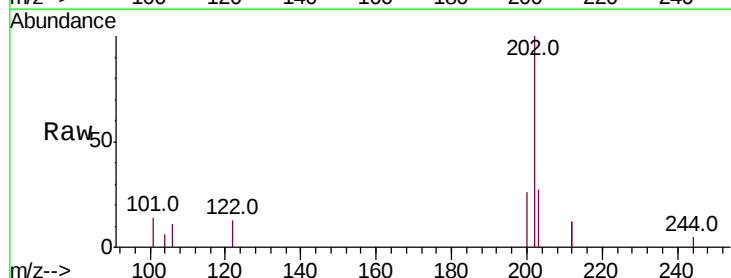
RT: 18.84 min Scan# 1507

Delta R.T. -0.00 min

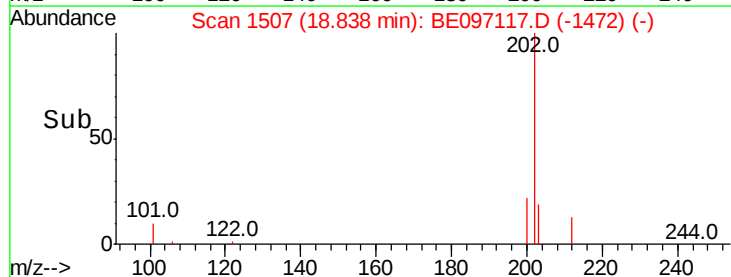
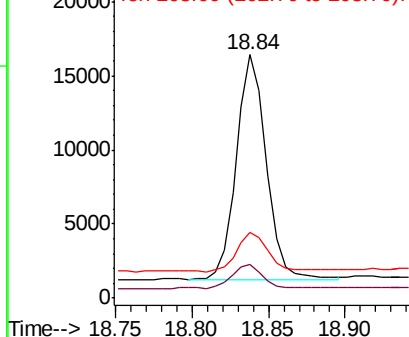
Lab File: BE097117.D

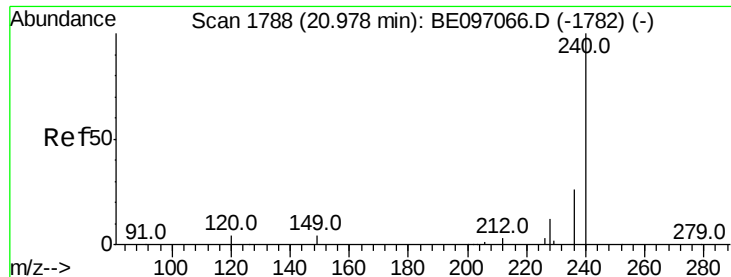
Acq: 31 Jul 2018 11:47

Tgt Ion:	202	Resp:	20573
Ion Ratio	Lower	Upper	
202	100		
101	11.0	9.8	14.8
203	18.8	13.7	20.5



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





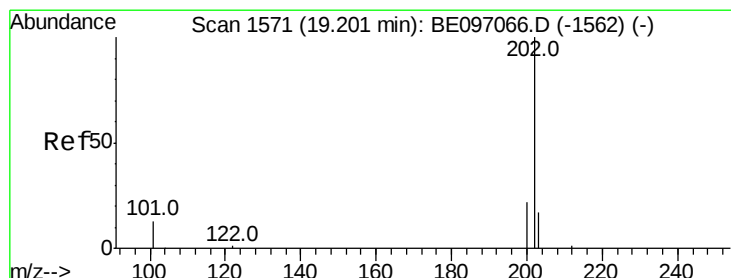
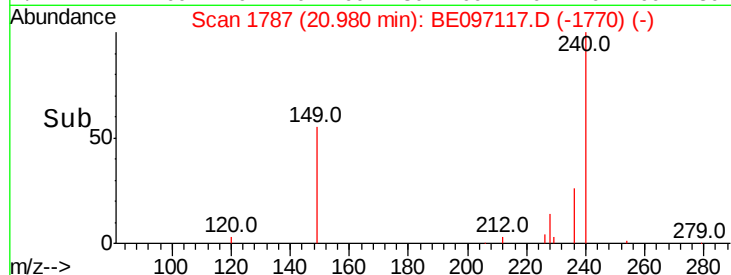
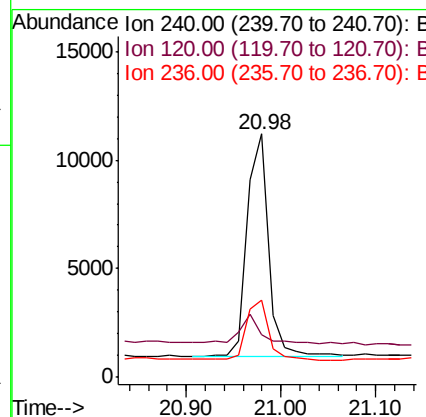
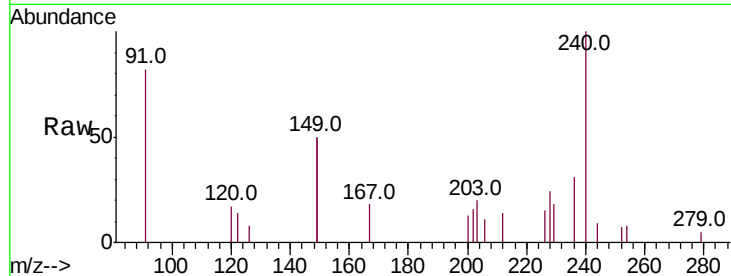
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097117.D
 Acq: 31 Jul 2018 11:47

Instrument :
 BNA_E
 ClientSampleId :
 LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.4	5.5	8.3#
236	31.5	20.7	31.1#

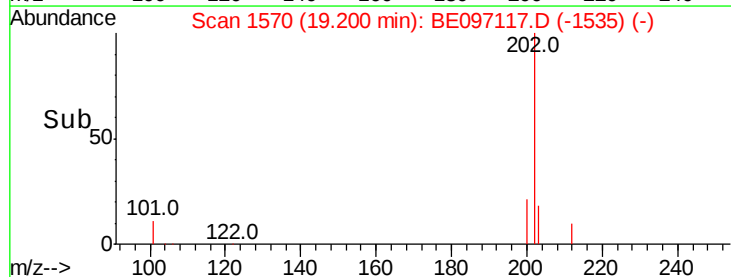
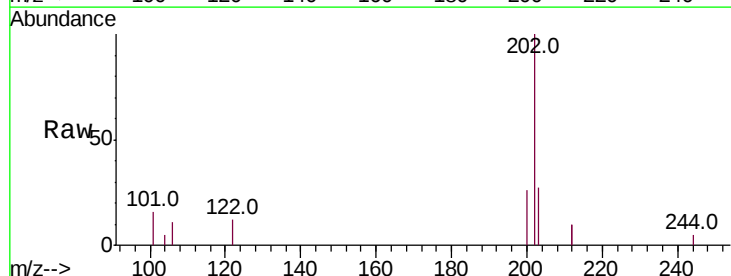
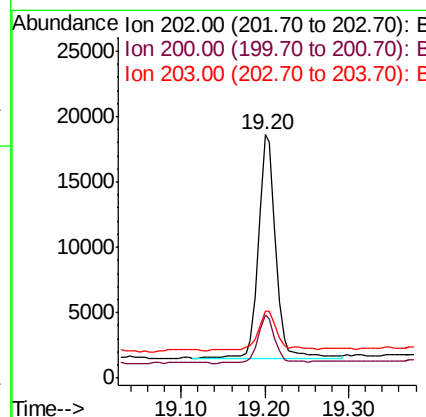
Manual Integrations
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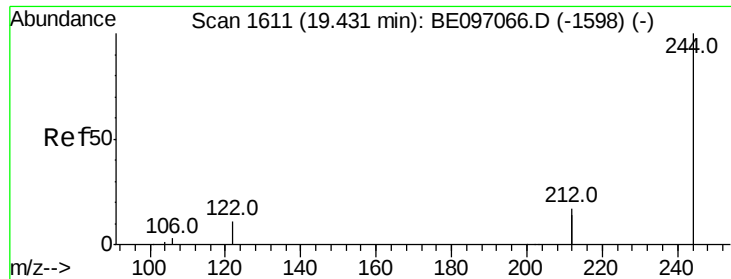
Sohil
 8/1/2018 4:50:01 PM



#28
 Pyrene
 Concen: 0.563 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BE097117.D
 Acq: 31 Jul 2018 11:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	18.0	13.8	20.8





#29

Terphenyl-d14

Concen: 0.518 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

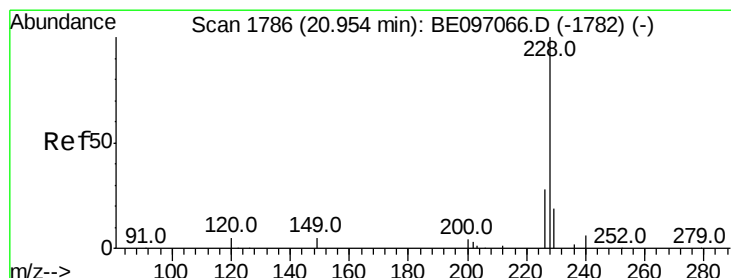
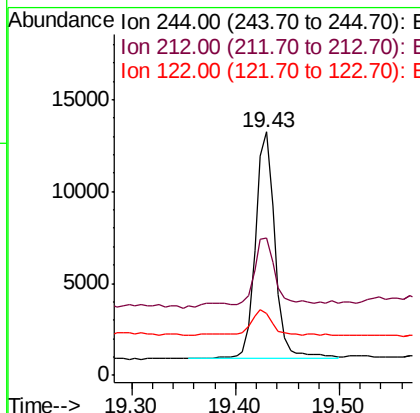
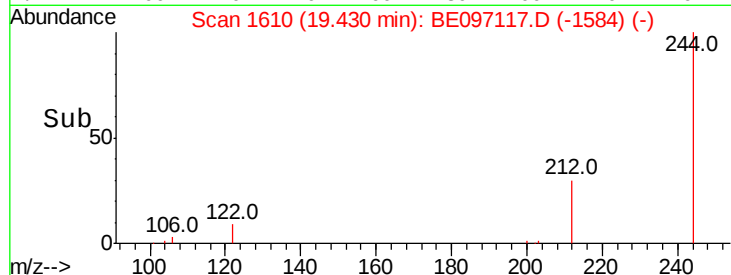
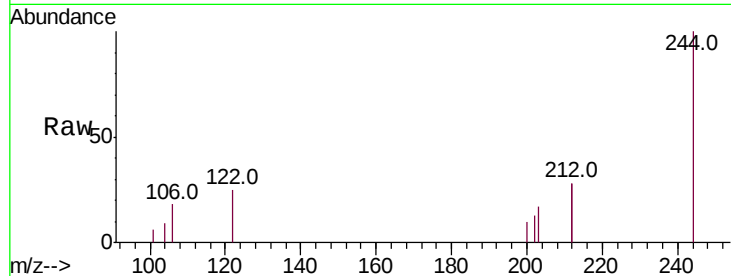
ClientSampleId :

LW-03-072618MS

Tot Ion:	244	Resp:	15962
Ion Ratio	Lower	Upper	
244	100		
212	56.6	25.4	38.0#
122	25.2	8.1	12.1#

Manual Integrations
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#30

Benzo(a)anthracene

Concen: 0.472 ng

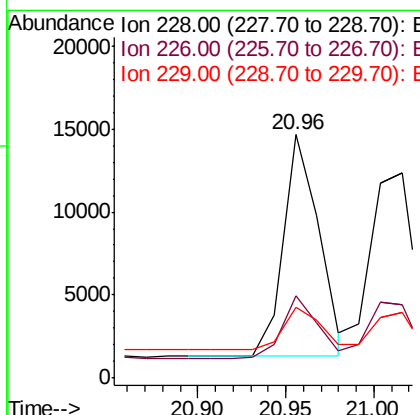
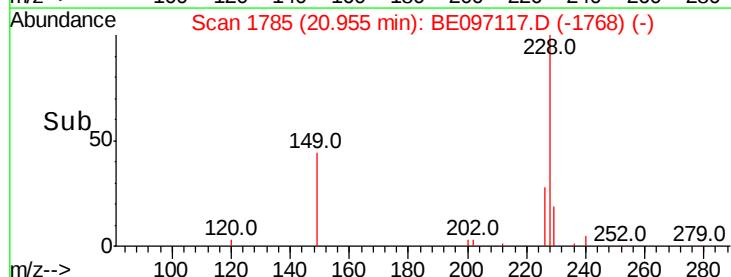
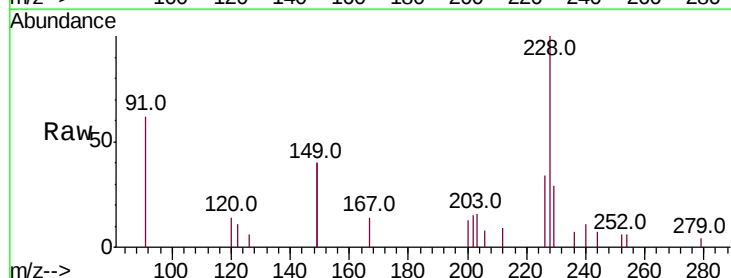
RT: 20.96 min Scan# 1785

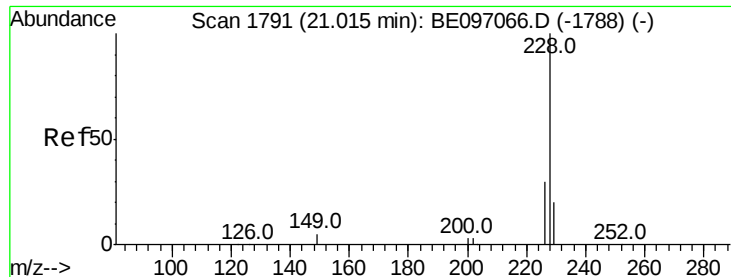
Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Tgt Ion:	228	Resp:	18829
Ion Ratio	Lower	Upper	
228	100		
226	34.0	24.0	36.0
229	29.1	16.0	24.0#





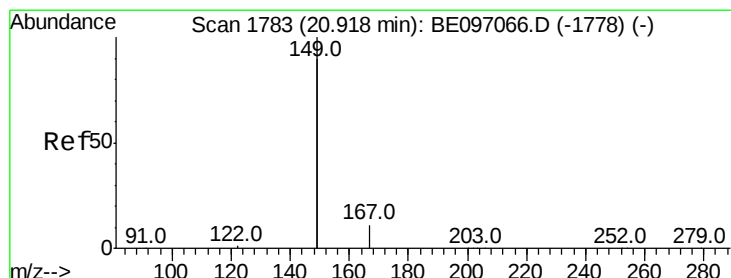
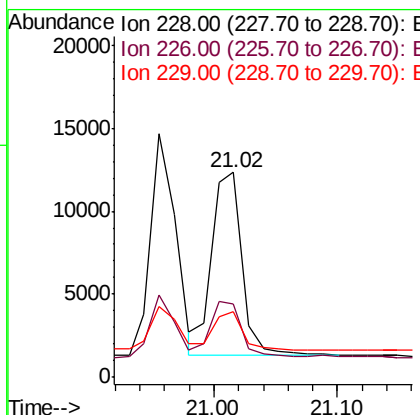
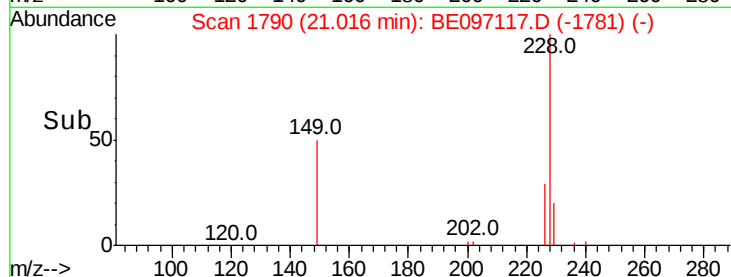
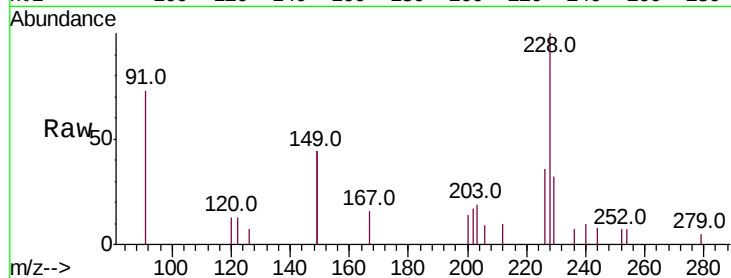
#31
Chrysene
Concen: 0.438 ng
RT: 21.02 min Scan# 1790
Delta R.T. 0.01 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.7	24.0	36.0
229	31.8	16.0	24.0

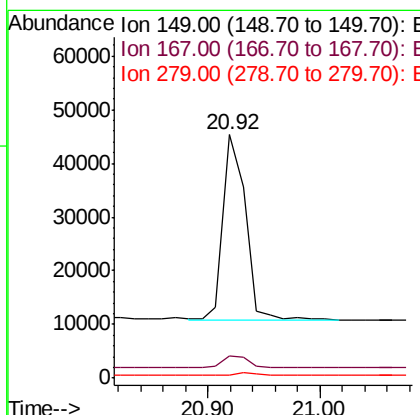
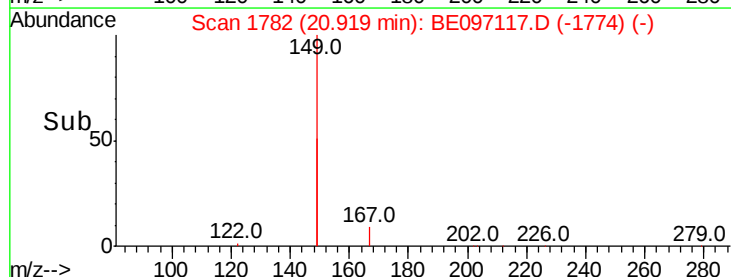
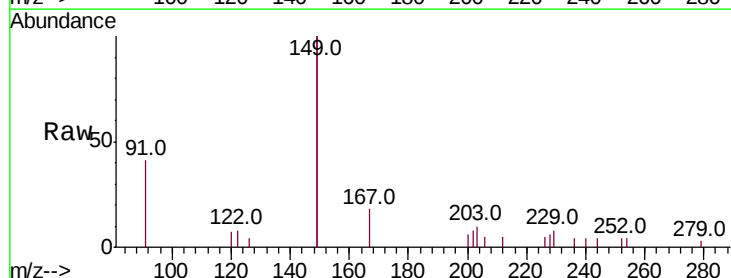
Manual Integrations
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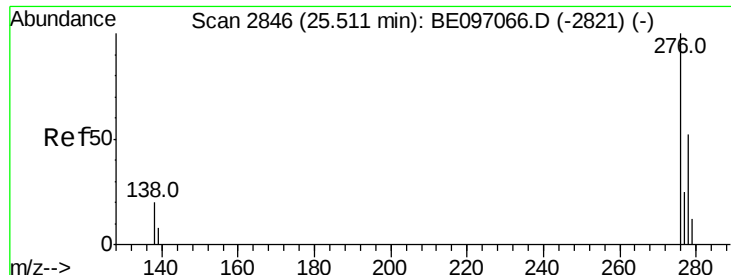
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#32
Bis(2-ethylhexyl)phthalate
Concen: 1.015 ng
RT: 20.92 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.1	0.7	1.1





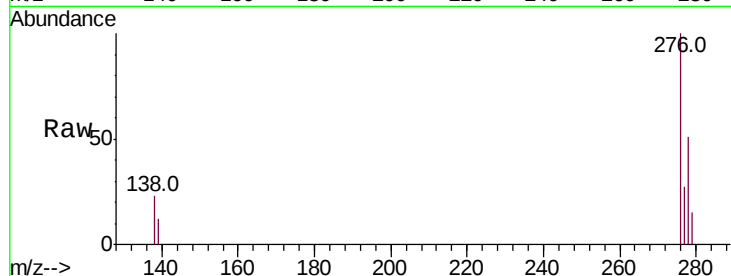
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.489 ng
RT: 25.51 min Scan# 2844
Delta R.T. 0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.5	33.7#
277	24.8	19.9	29.9

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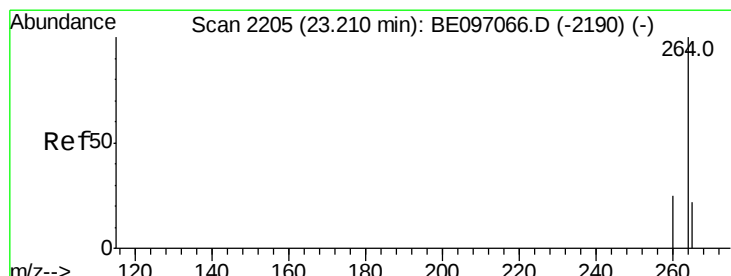
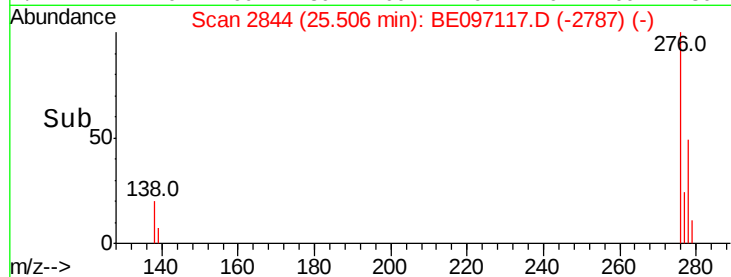
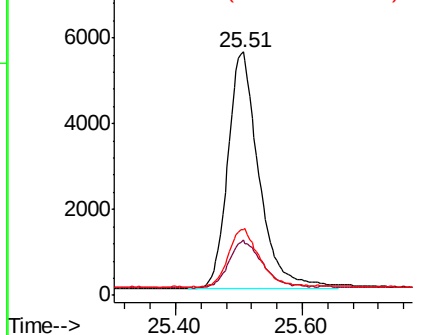


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

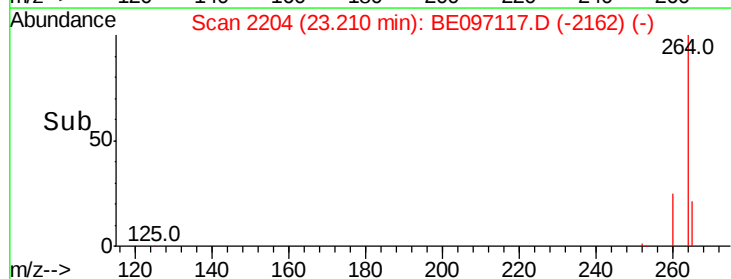
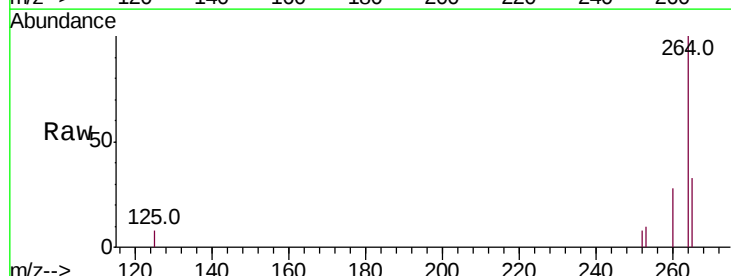
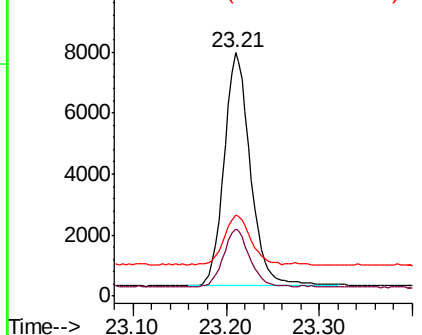
Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.5	30.7
265	33.5	22.8	34.2

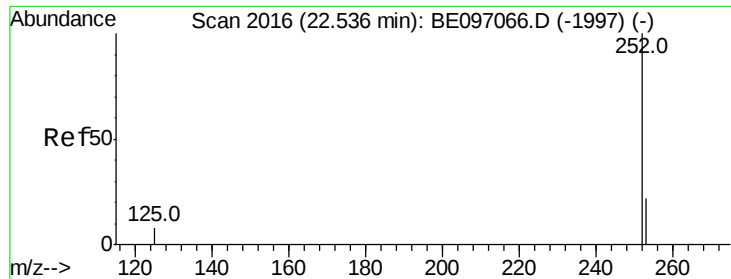
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.465 ng m

RT: 22.54 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

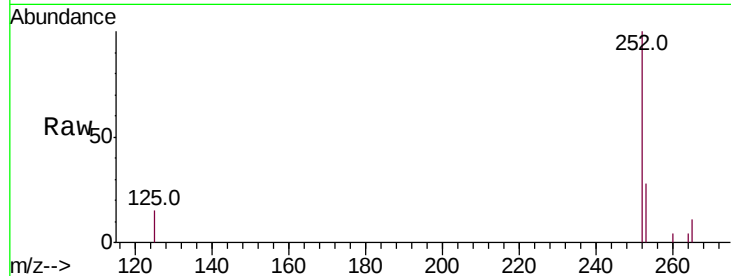
ClientSampleId :

LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	20.0	30.0
125	14.6	16.0	24.0

Manual Integrations
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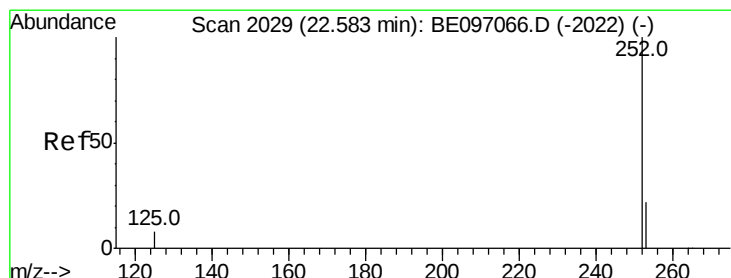
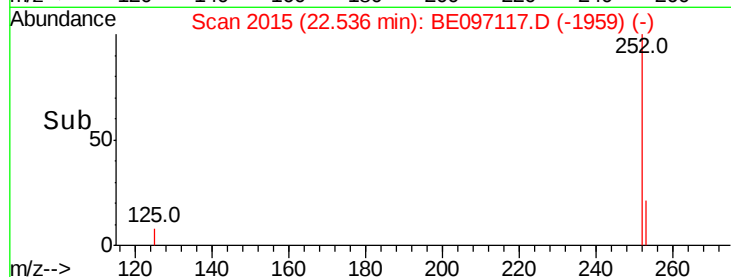
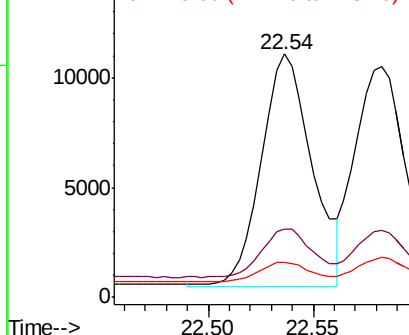


Abundance

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: 0.390 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

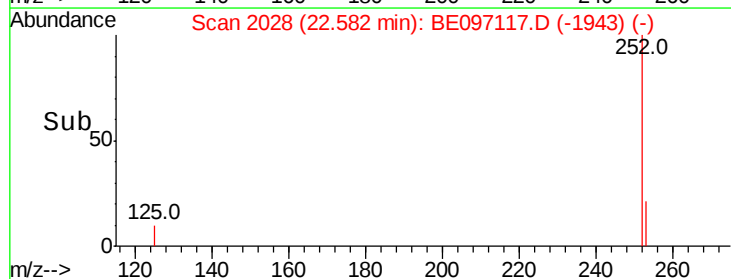
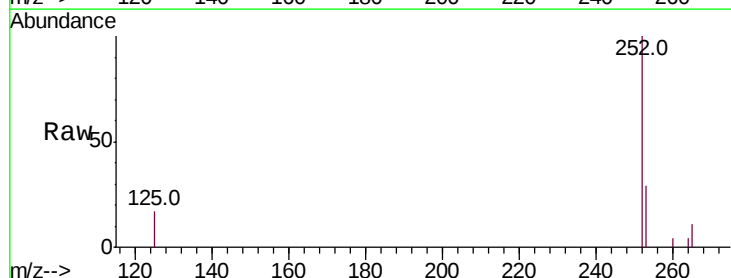
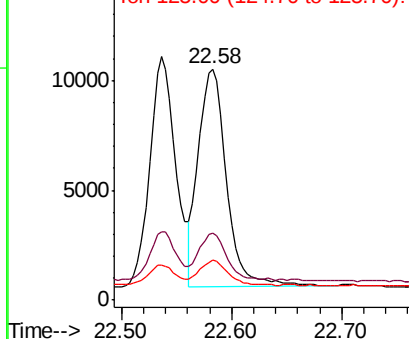
Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	16.0	24.0
125	17.1	8.0	12.0

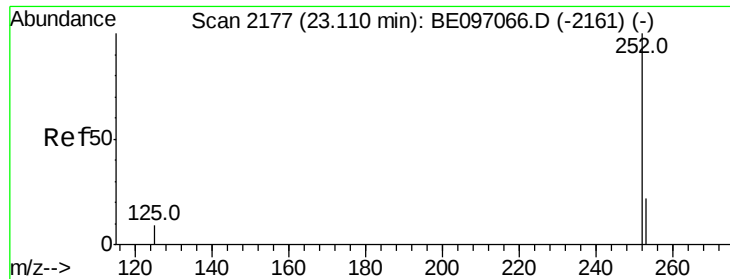
Abundance

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





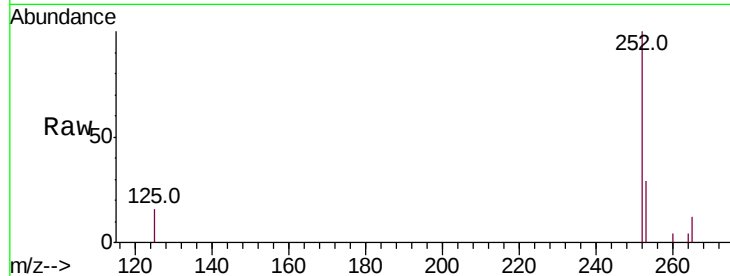
#37
Benzo(a)pyrene
Concen: 0.452 ng
RT: 23.11 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	16.0	24.0
125	15.8	12.0	18.0

Manual Integrations
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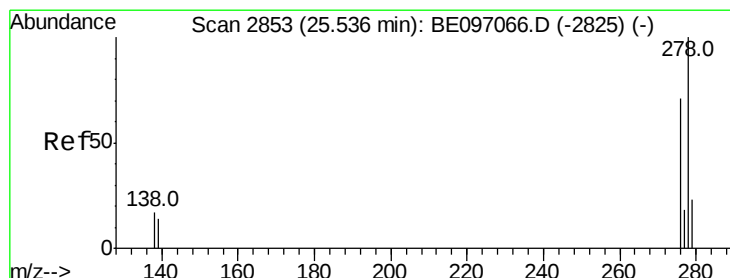
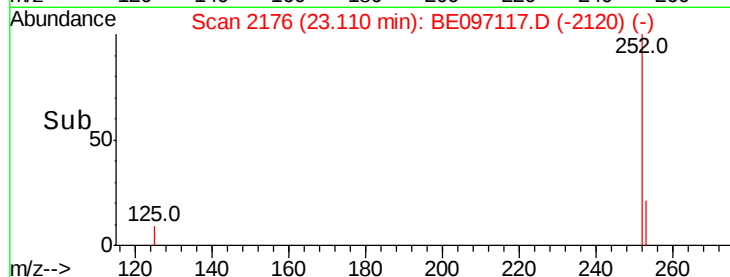
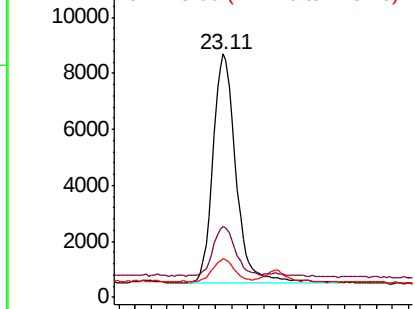


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38
Dibenzo(a,h)anthracene
Concen: 0.425 ng
RT: 25.53 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BE097117.D
Acq: 31 Jul 2018 11:47

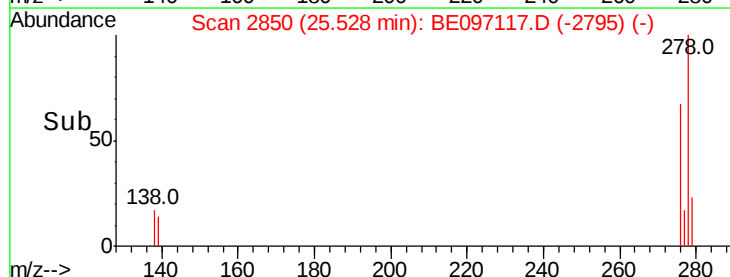
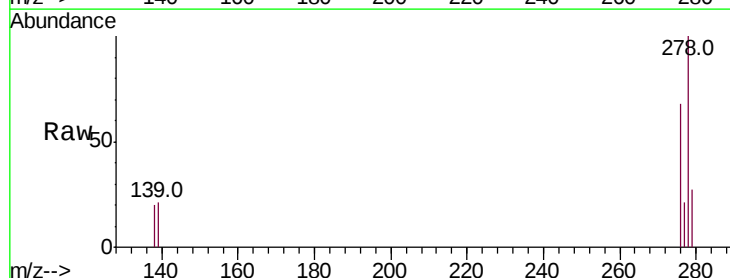
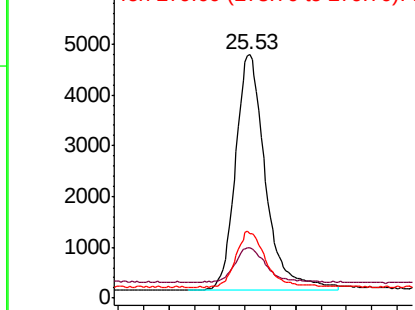
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	16.0	24.0
279	26.7	20.0	30.0

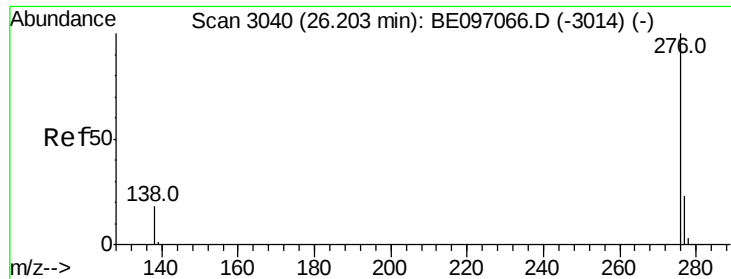
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.425 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BE097117.D

Acq: 31 Jul 2018 11:47

Instrument :

BNA_E

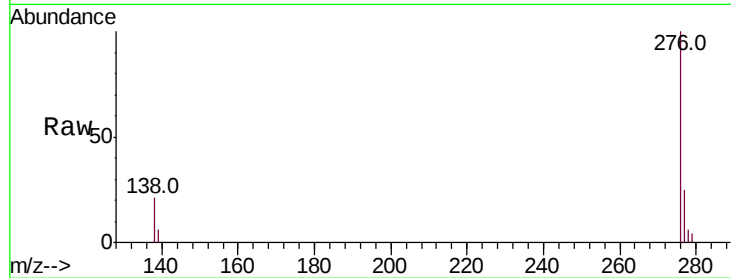
ClientSampleId :

LW-03-072618MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	16.0	24.0#
138	21.4	20.0	30.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

