

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\
 Data File : BE097998.D
 Acq On : 19 Oct 2018 19:06
 Operator : SJ/JU
 Sample : J5521-13DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 TWP-01DL

Manual Integrations
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Quant Time: Oct 20 00:08:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	2566	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	13463	0.40	ng	-0.01
13) Acenaphthene-d10	14.53	164	25309	0.40	ng	-0.03
19) Phenanthrene-d10	17.30	188	17690	0.40	ng	0.00
27) Chrysene-d12	21.47	240	20011	0.40	ng	-0.01
34) Perylene-d12	24.03	264	20484	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	287	0.04	ng	0.00
5) Phenol-d6	7.04	99	695	0.06	ng	-0.01
8) Nitrobenzene-d5	9.02	82	4559	0.36	ng	-0.03
11) 2-Methylnaphthalene-d10	12.28	152	6097	0.27	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	321	0.02	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	2328	0.02	ng	0.00
25) Fluoranthene-d10	19.33	212	22943	0.10	ng	0.00
29) Terphenyl-d14	19.92	244	6815	0.15	ng	-0.01
Target Compounds						
9) Naphthalene	10.73	128	128978	0.962	ng	# 60
12) 2-Methylnaphthalene	12.35	142	381199	16.597	ng	# 90
17) Acenaphthene	14.61	154	104489m	1.462	ng	
18) Fluorene	15.59	166	316472	3.219	ng	# 70
23) Phenanthrene	17.34	178	875298	19.473	ng	# 95
26) Fluoranthene	19.36	202	70778	1.200	ng	95
28) Pyrene	19.72	202	107621	1.864	ng	# 80
30) Benzo(a)anthracene	21.46	228	31335	0.510	ng	# 88
31) Chrysene	21.51	228	22819	0.393	ng	# 90
33) Indeno(1,2,3-cd)pyrene	26.72	276	12176	0.104	ng	# 95
35) Benzo(b)fluoranthene	23.25	252	27170	0.461	ng	98
36) Benzo(k)fluoranthene	23.29	252	10862m	0.177	ng	
37) Benzo(a)pyrene	23.91	252	20358	0.354	ng	97
38) Dibenzo(a,h)anthracene	26.74	278	3257	0.058	ng	# 56
39) Benzo(a,h,i)perylene	27.54	276	10977	0.190	ng	99

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

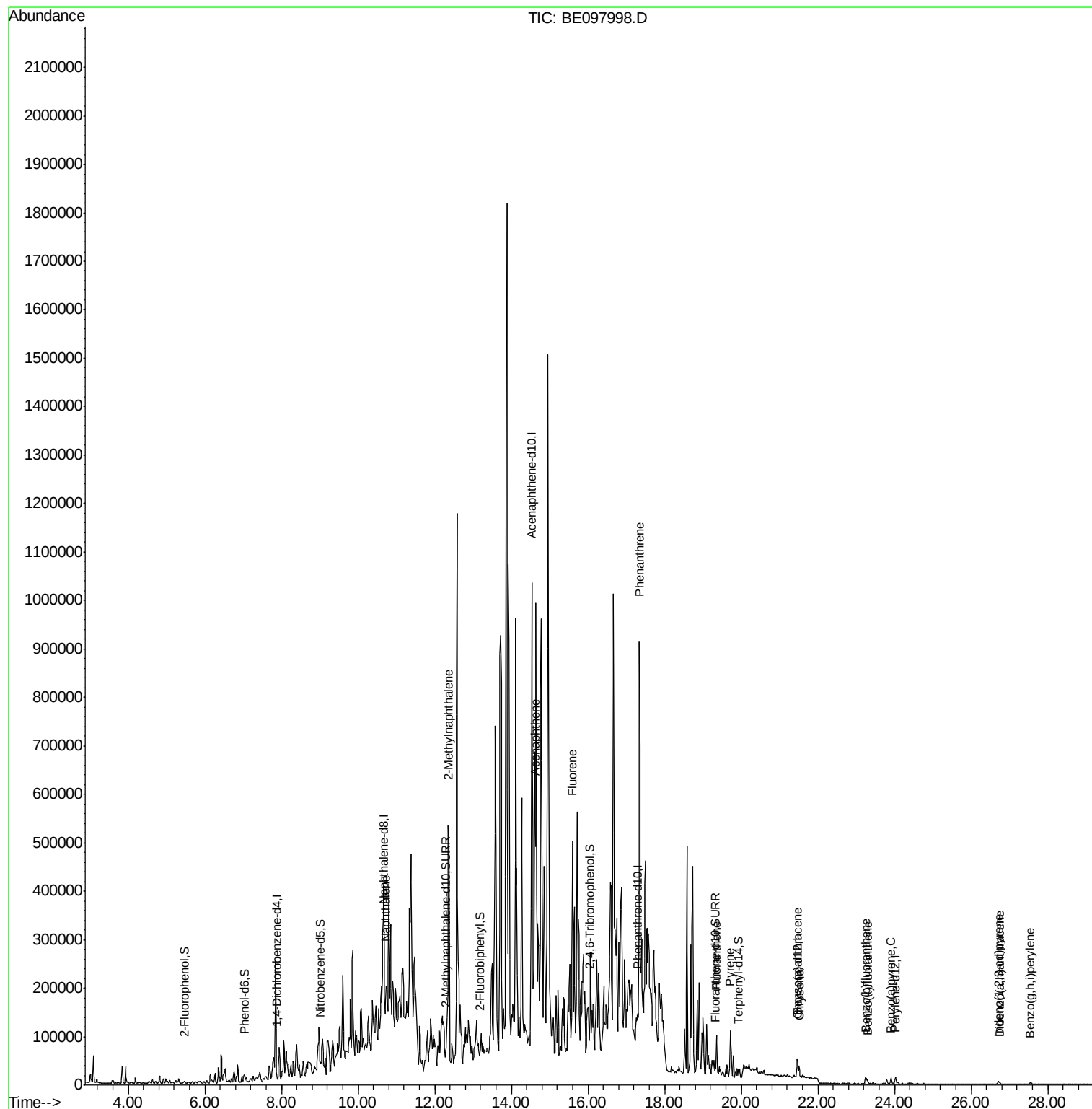
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\
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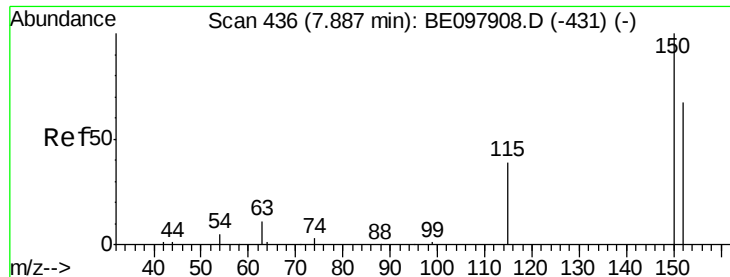
Instrument :
BNA_E
ClientSampleId :
TWP-01DL

Quant Time: Oct 20 00:08:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
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#1

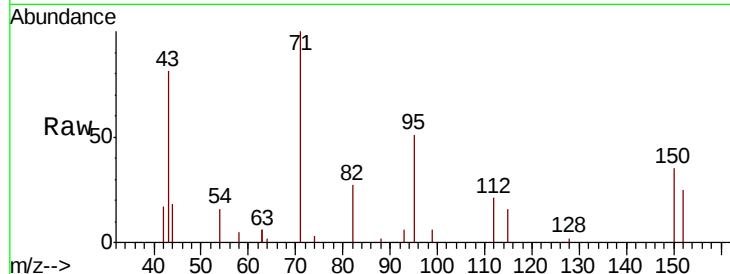
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.01 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleID :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.2	118.2	177.4
115	64.7	50.9	76.3

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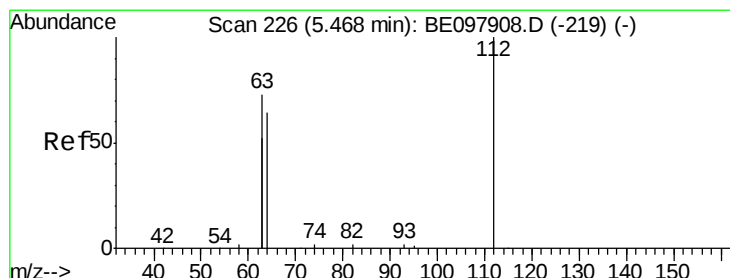
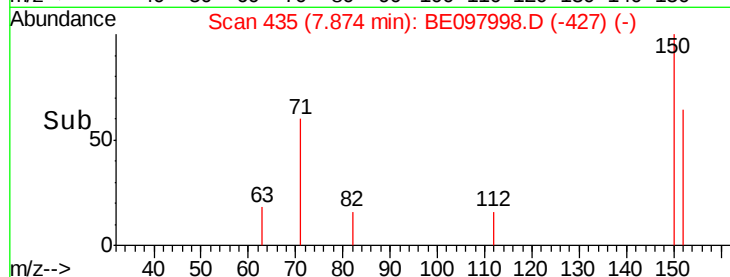
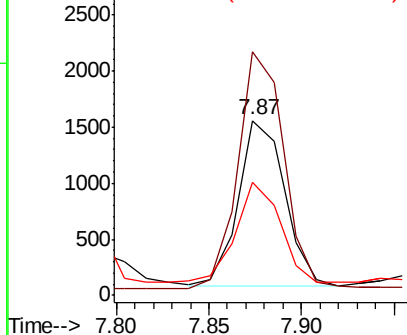


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

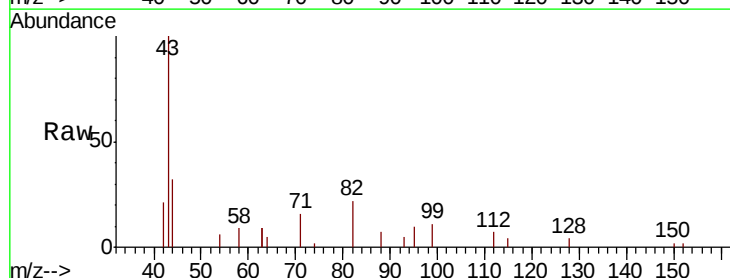
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.035 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	58.9	88.3
63	164.8	120.3	180.5

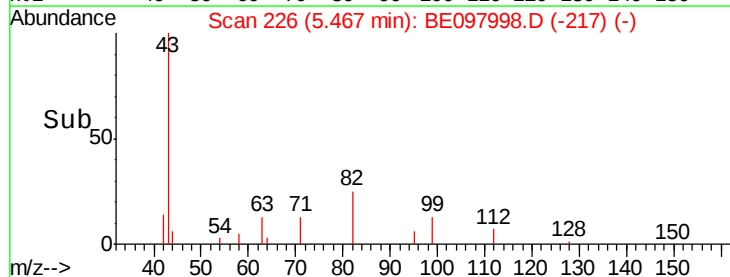
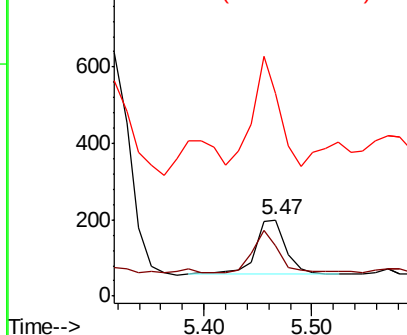


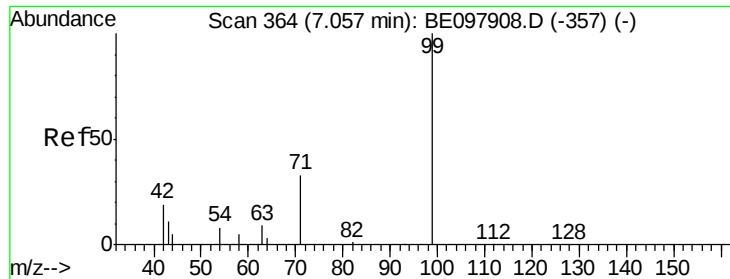
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.058 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097998.D

Acq: 19 Oct 2018 19:06

Instrument :

BNA_E

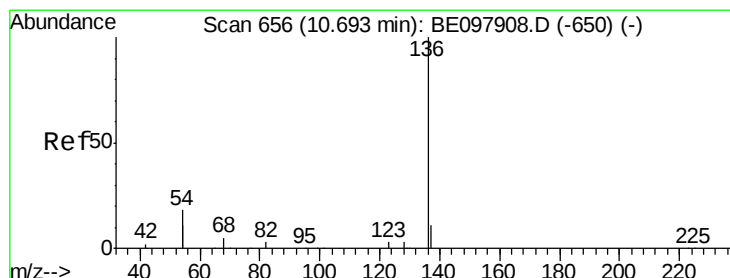
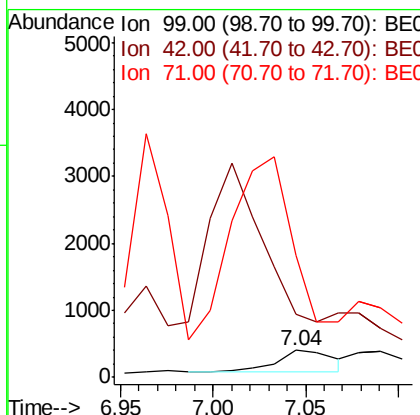
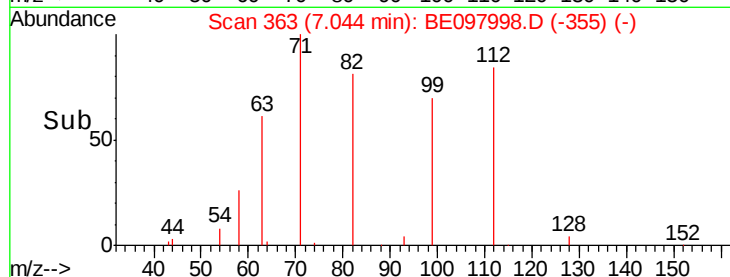
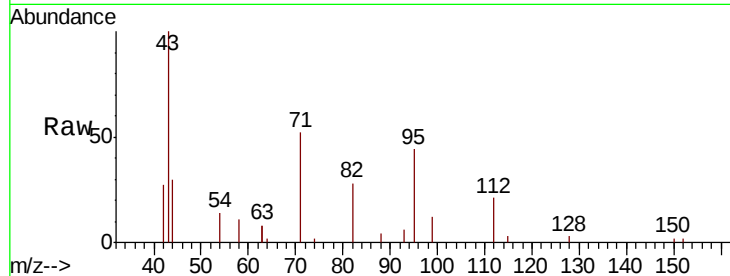
ClientSampled :

TWP-01DL

Tot Ion:	99	Resp:	695
Ion	Ratio	Lower	Upper
99	100		
42	0.0	19.9	29.9#
71	946.5	27.8	41.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

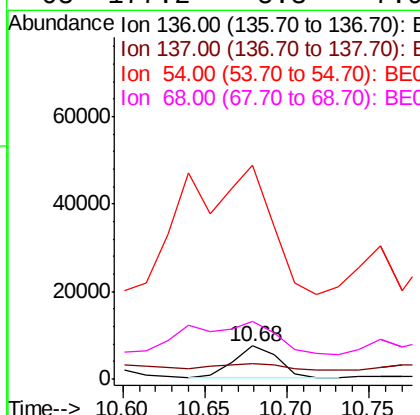
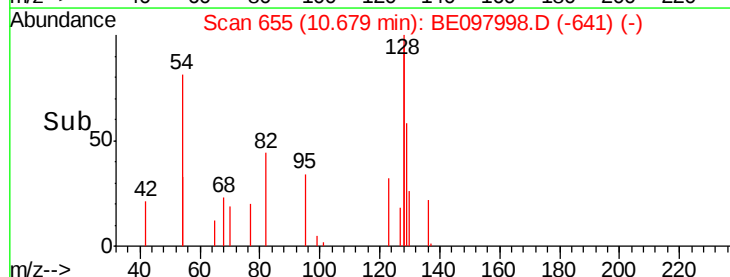
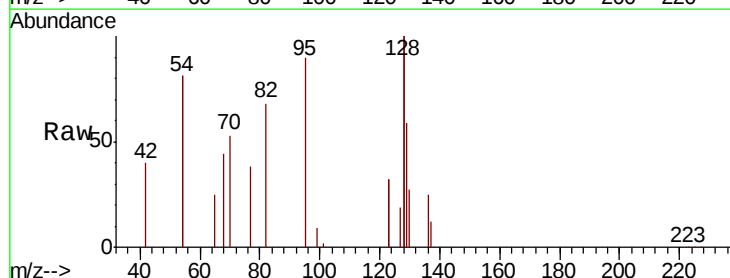
RT: 10.68 min Scan# 655

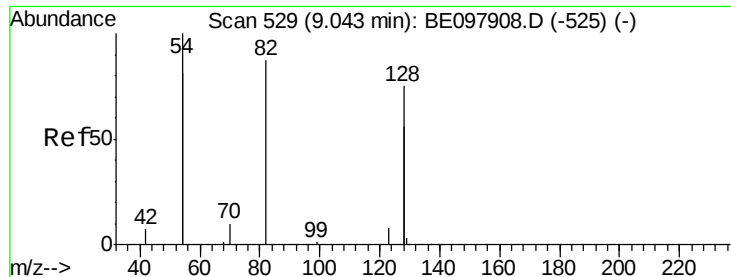
Delta R.T. -0.01 min

Lab File: BE097998.D

Acq: 19 Oct 2018 19:06

Tgt Ion:	136	Resp:	13463
Ion	Ratio	Lower	Upper
136	100		
137	46.4	9.6	14.4#
54	650.9	27.7	41.5#
68	177.2	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 0.358 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.03 min

Lab File: BE097998.D

Acq: 19 Oct 2018 19:06

Instrument :

BNA_E

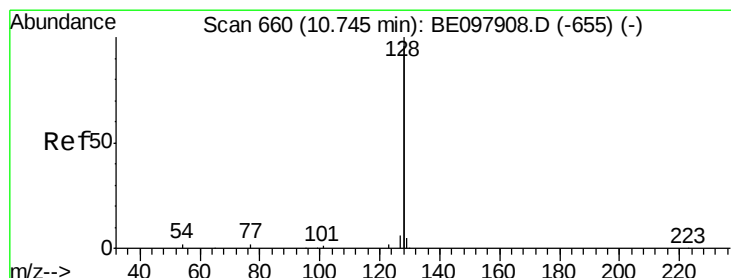
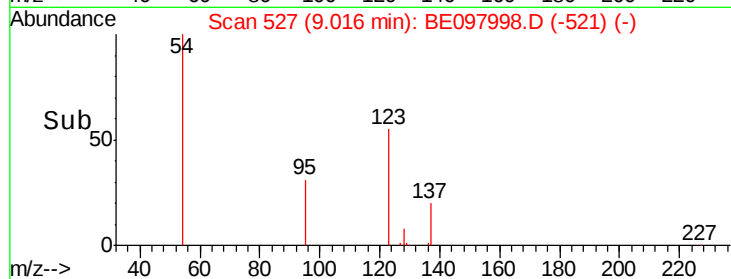
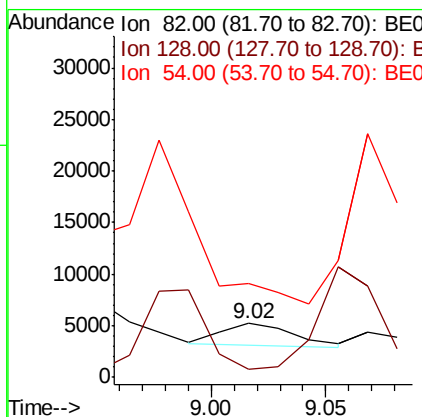
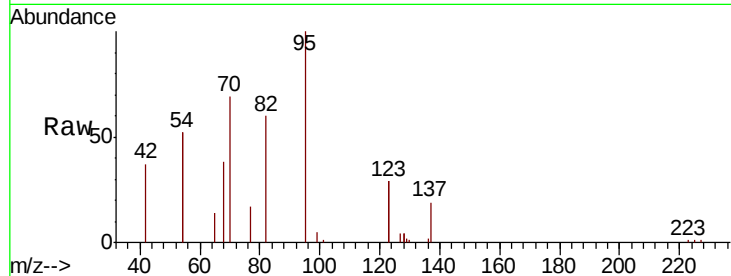
ClientSampled :

TWP-01DL

Tot Ion: 82 Resp: 4559
 Ion Ratio Lower Upper
 82 100
 128 14.4 129.9 194.9#
 54 174.8 174.0 261.0

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#9

Naphthalene

Concen: 0.962 ng

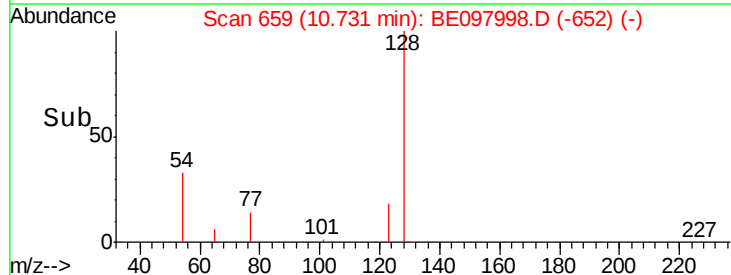
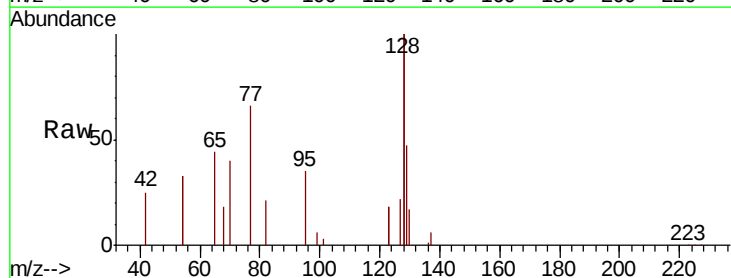
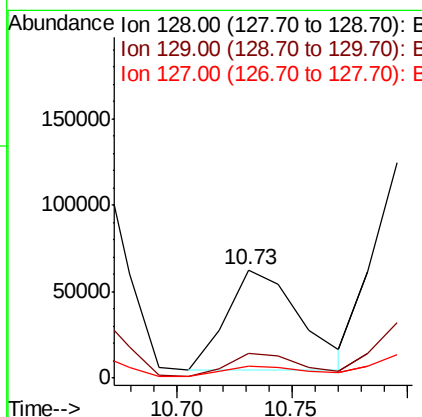
RT: 10.73 min Scan# 659

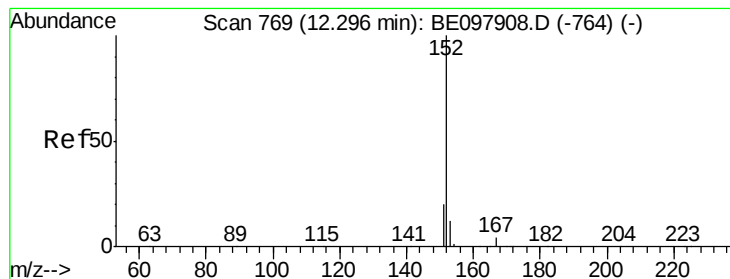
Delta R.T. -0.01 min

Lab File: BE097998.D

Acq: 19 Oct 2018 19:06

Tgt Ion: 128 Resp: 128978
 Ion Ratio Lower Upper
 128 100
 129 23.3 2.5 3.7#
 127 10.8 2.8 4.2#





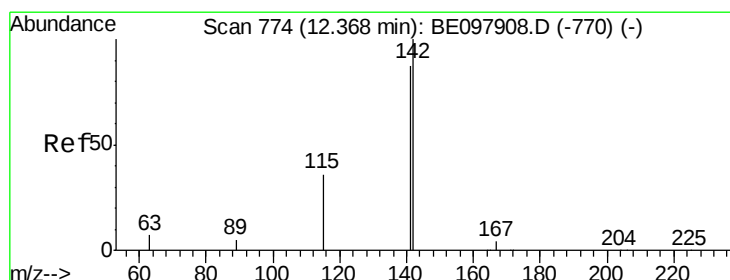
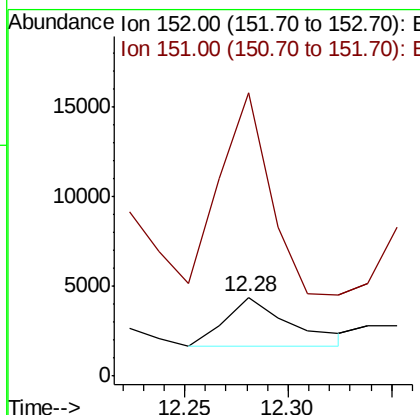
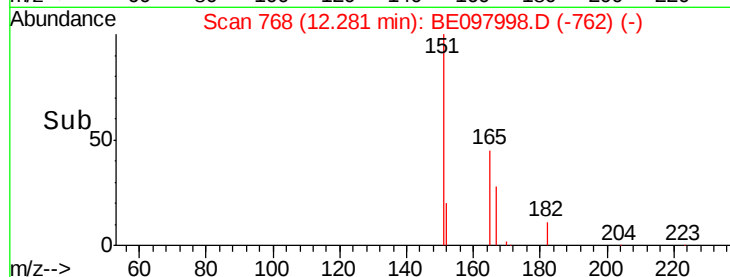
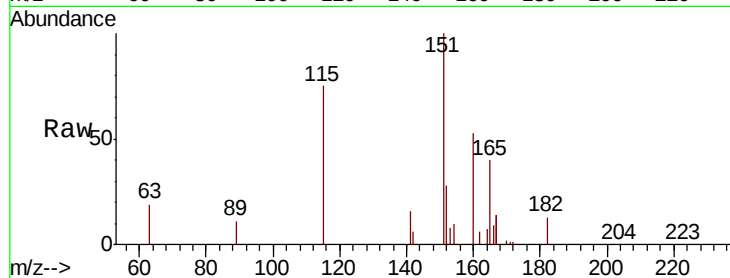
#11
2-Methylnaphthalene-d10
Concen: 0.272 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampled :
TWP-01DL

Tot Ion:152 Resp: 6097
Ion Ratio Lower Upper
152 100
151 309.2 16.2 24.4#

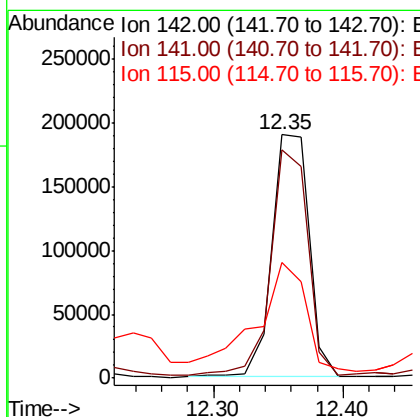
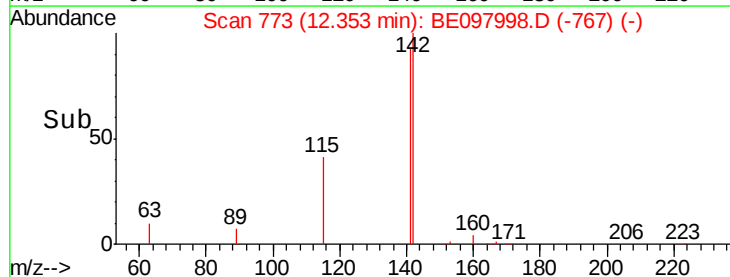
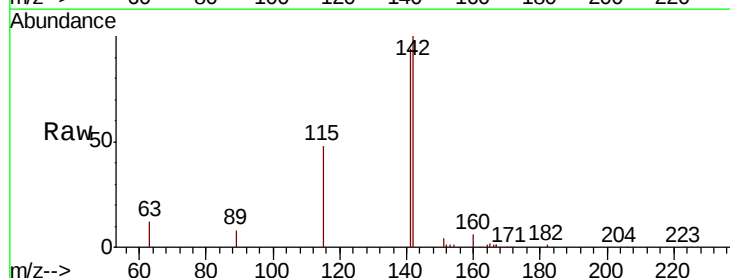
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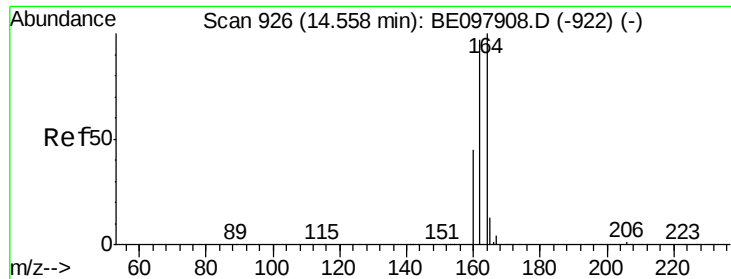
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#12
2-Methylnaphthalene
Concen: 16.597 ng
RT: 12.35 min Scan# 773
Delta R.T. -0.02 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Tgt Ion:142 Resp: 381199
Ion Ratio Lower Upper
142 100
141 93.8 69.8 104.6
115 47.7 30.5 45.7#





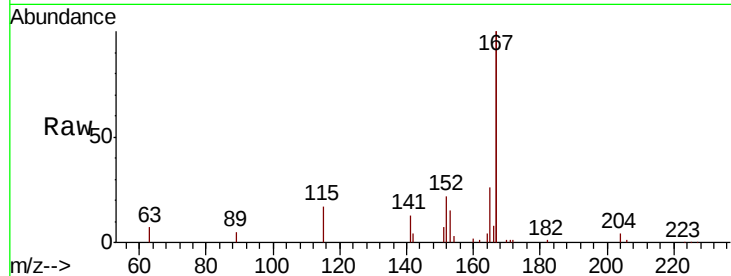
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.03 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleID :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	34.9	77.4	116.2#
160	47.0	36.5	54.7

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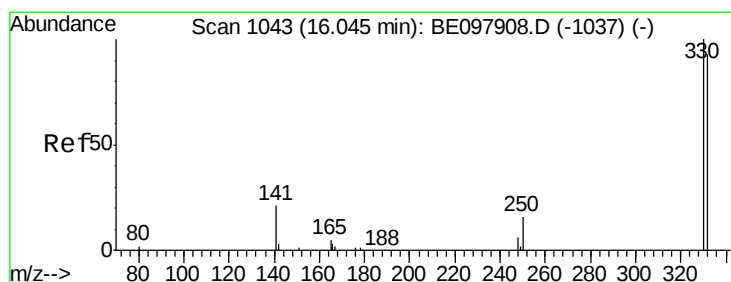
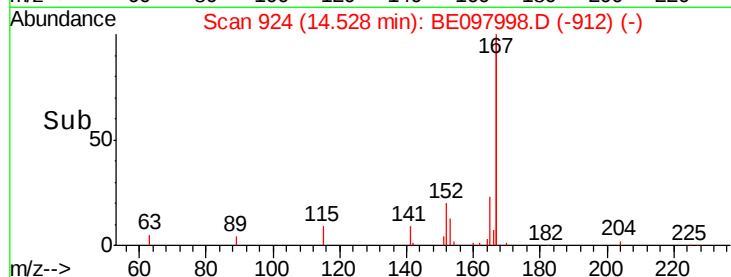
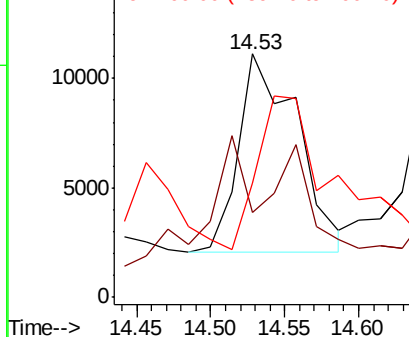


Abundance

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: 0.024 ng
RT: 16.04 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

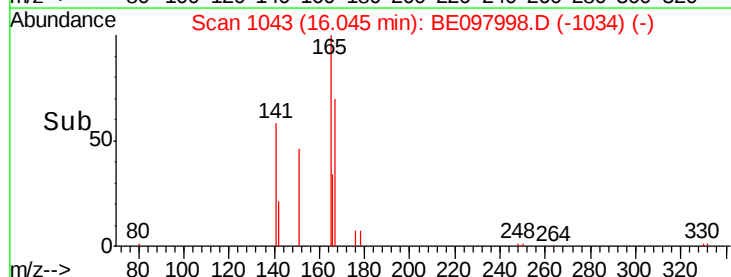
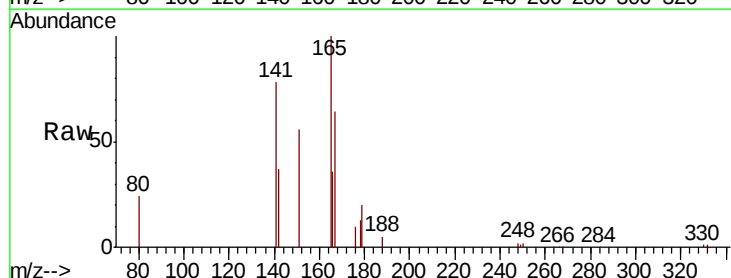
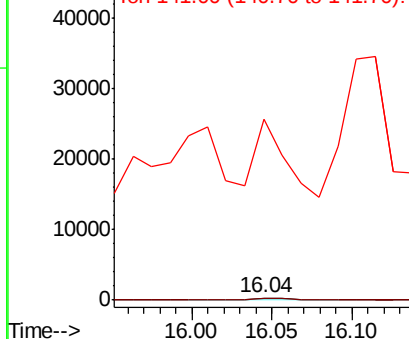
Tgt Ion	Ratio	Lower	Upper
330	100		
332	104.7	76.5	114.7
141	5476.0	31.8	47.6#

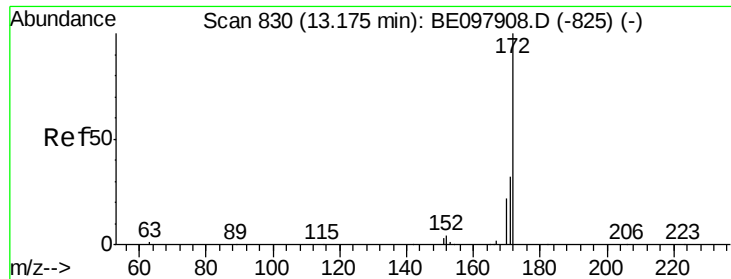
Abundance

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





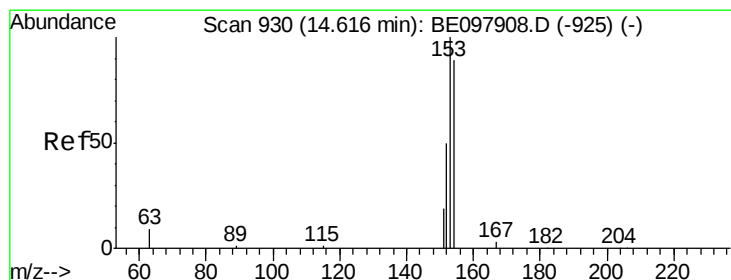
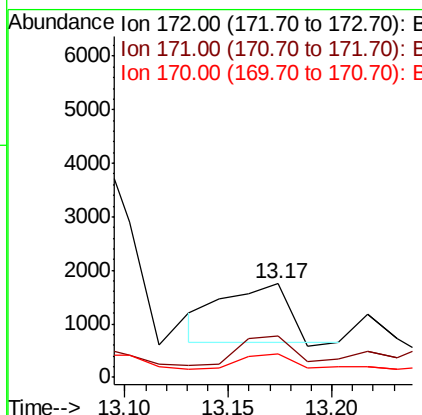
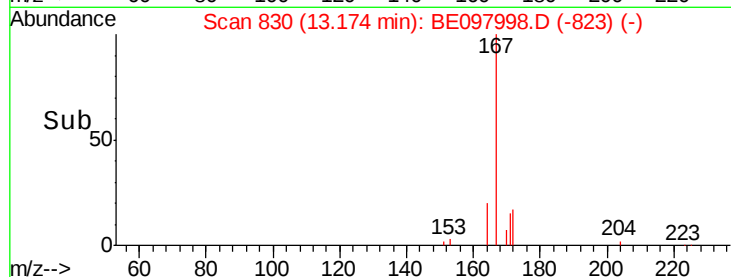
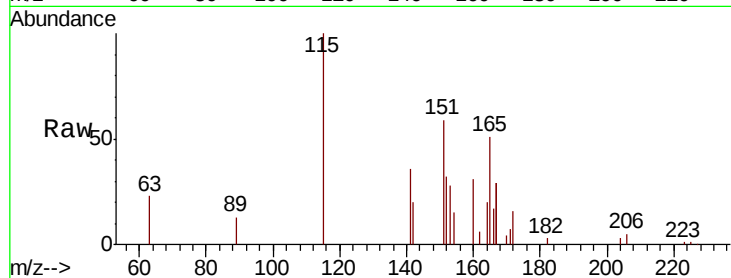
#15
2-Fluorobiphenyl
Concen: 0.023 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleId :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	44.6	26.0	39.0#
170	24.9	18.0	27.0

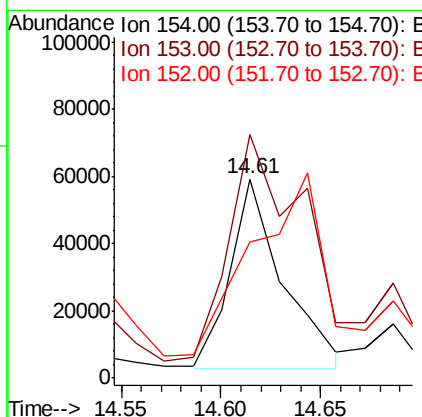
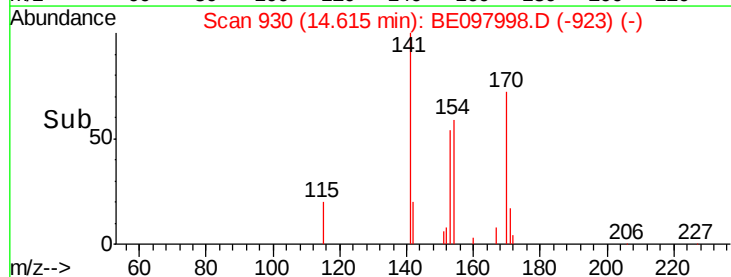
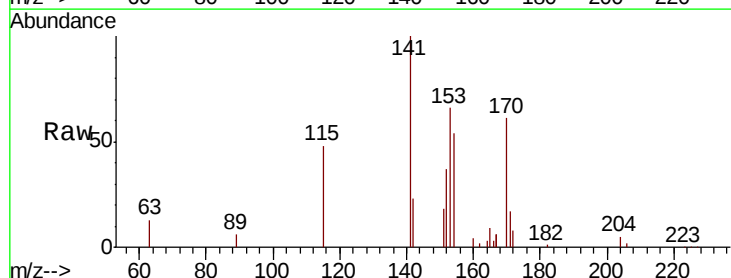
Manual Integrations
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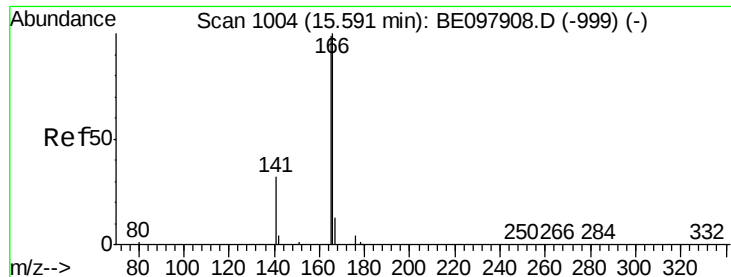
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#17
Acenaphthene
Concen: 1.462 ng m
RT: 14.61 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.9	92.6	139.0
152	0.0	45.5	68.3#





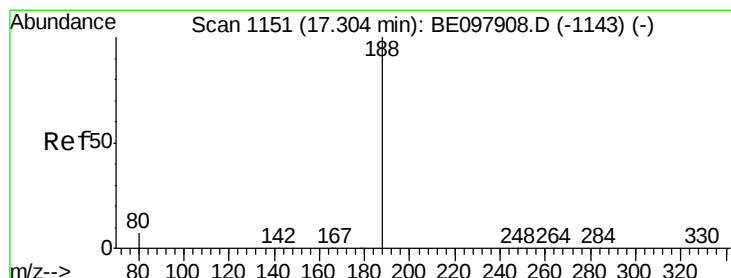
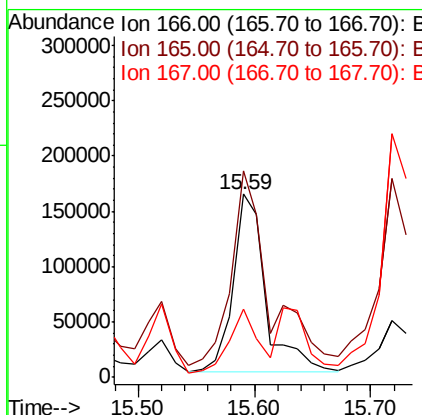
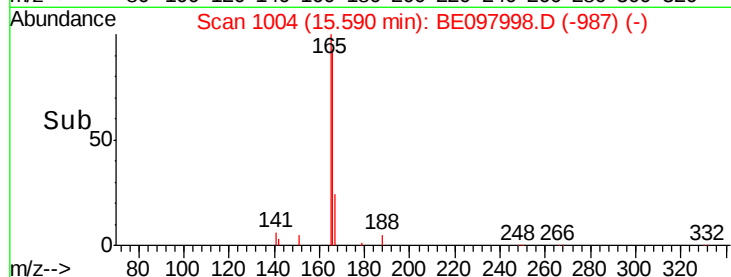
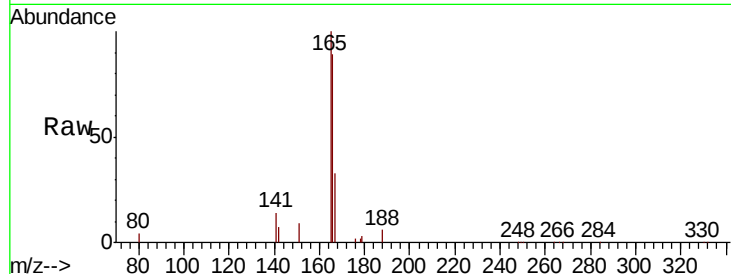
#18
Fluorene
Concen: 3.219 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleID :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	126.2	78.2	117.4#
167	31.1	11.0	16.6#

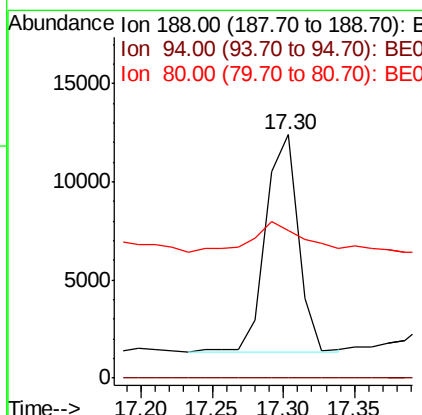
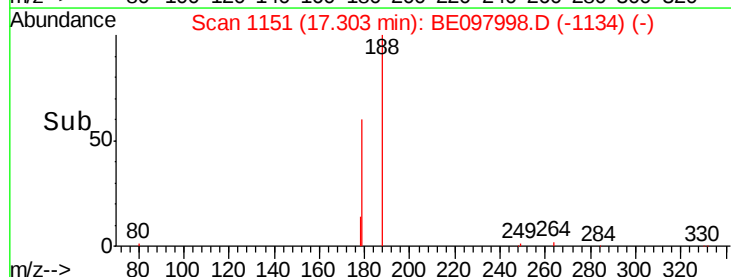
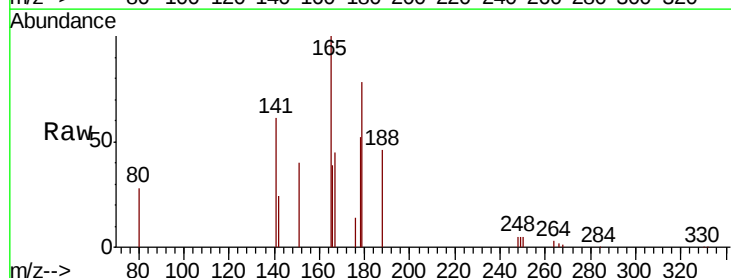
Manual Integrations
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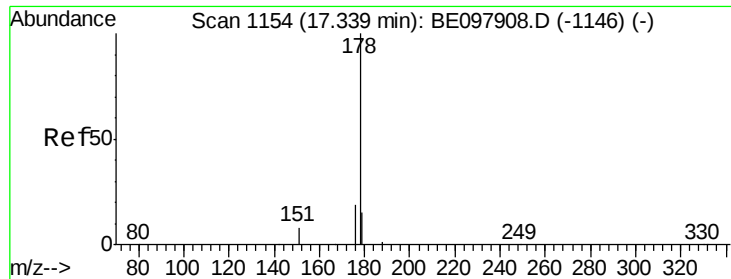
Sohil
10/22/2018 5:06:13 PM



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	60.6	6.3	9.5#





#23

Phenanthrene

Concen: 19.473 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097998.D

Acq: 19 Oct 2018 19:06

Instrument :

BNA_E

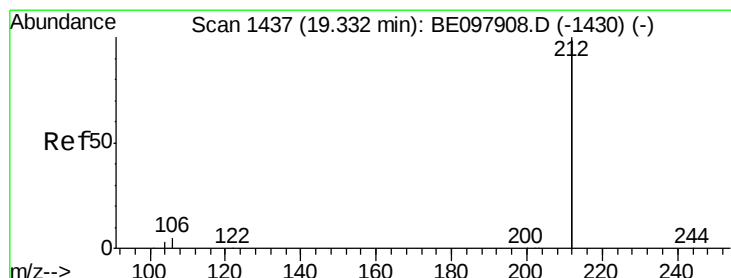
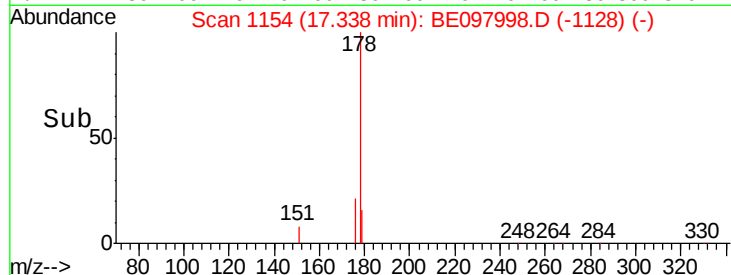
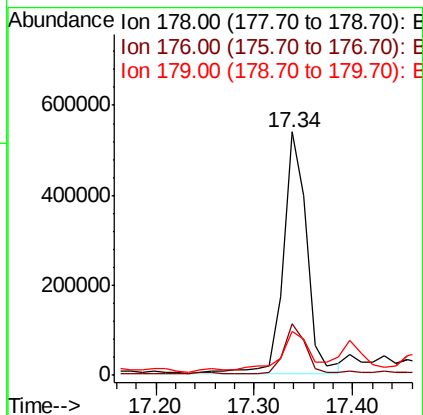
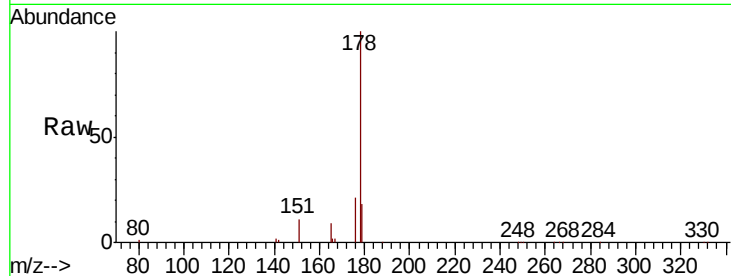
ClientSampled :

TWP-01DL

Tot Ion:	178	Resp:	875298
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.5	23.3
179	19.5	12.2	18.4#

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Sohil
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#25

Fluoranthene-d10

Concen: 0.096 ng

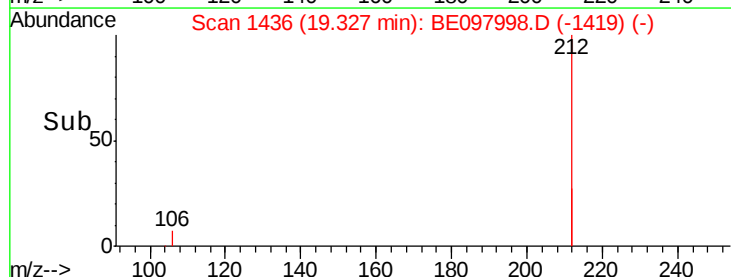
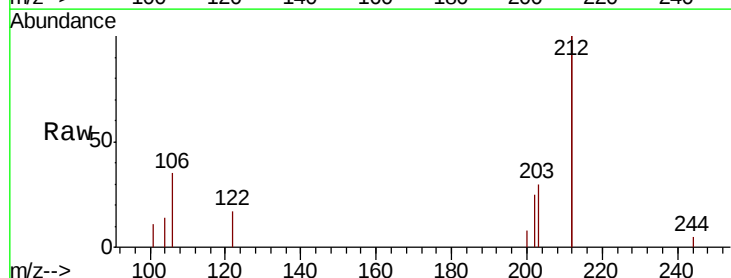
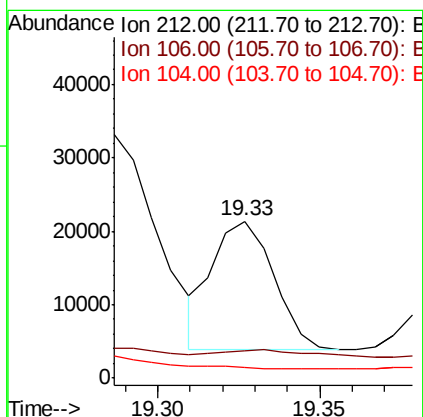
RT: 19.33 min Scan# 1436

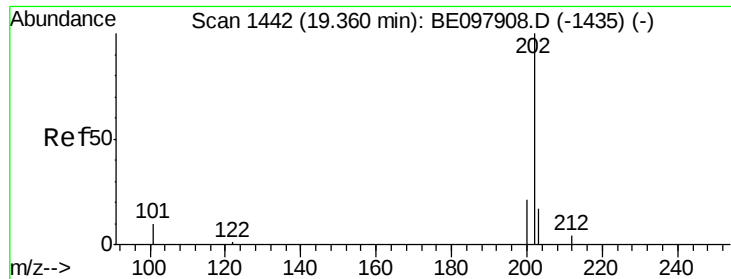
Delta R.T. -0.00 min

Lab File: BE097998.D

Acq: 19 Oct 2018 19:06

Tgt Ion:	212	Resp:	22943
Ion Ratio	Lower	Upper	
212	100		
106	8.2	2.3	3.5#
104	0.0	1.3	1.9#





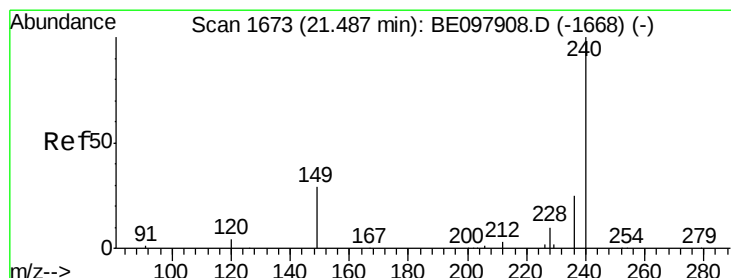
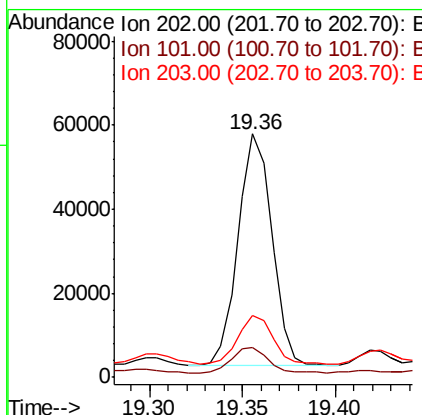
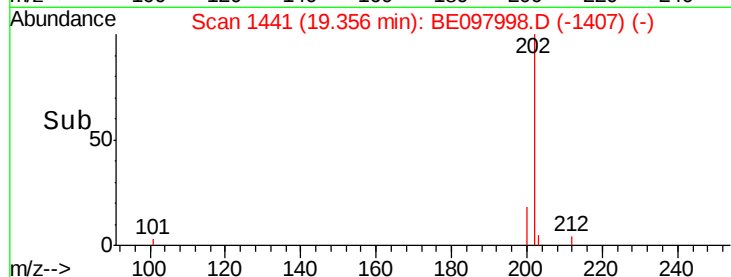
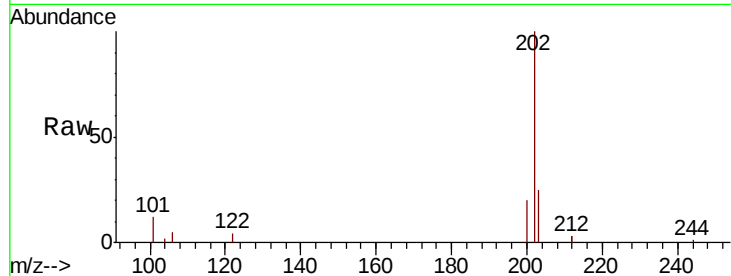
#26
Fluoranthene
Concen: 1.200 ng
RT: 19.36 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleId :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.2	12.2
203	21.0	15.0	22.4

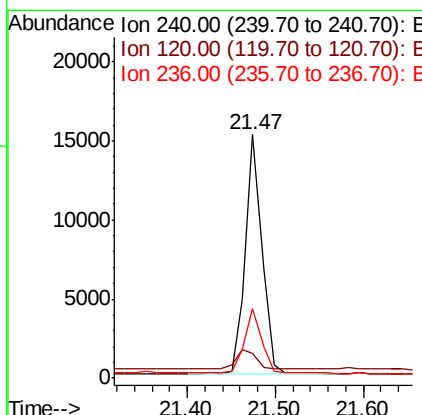
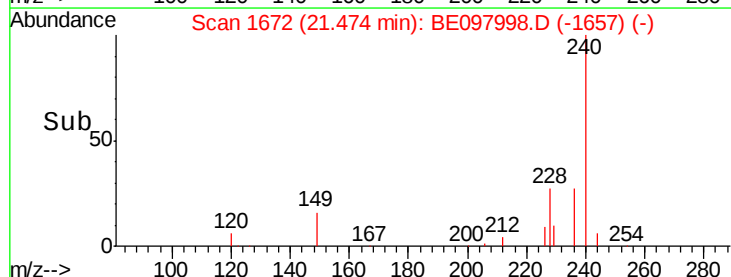
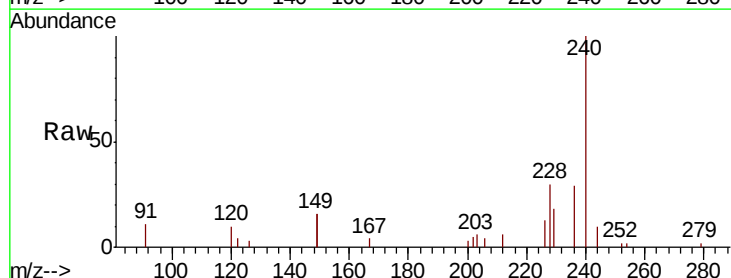
Manual Integrations
APPROVED

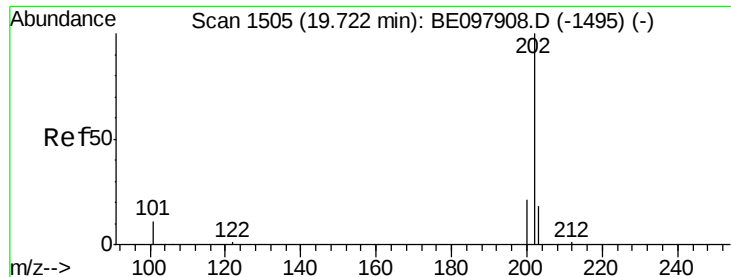
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.47 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.1	10.7
236	28.7	21.3	31.9





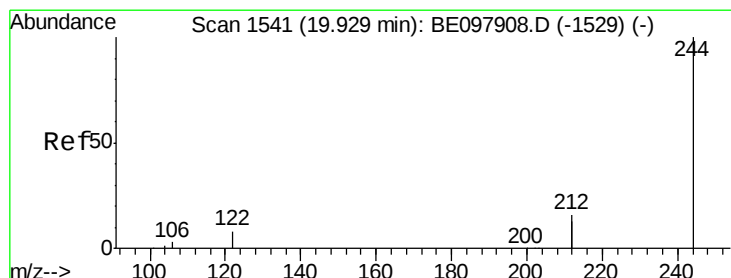
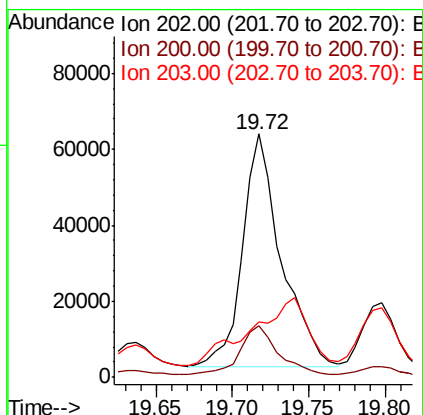
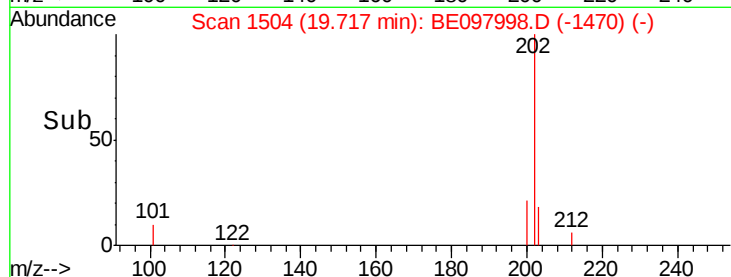
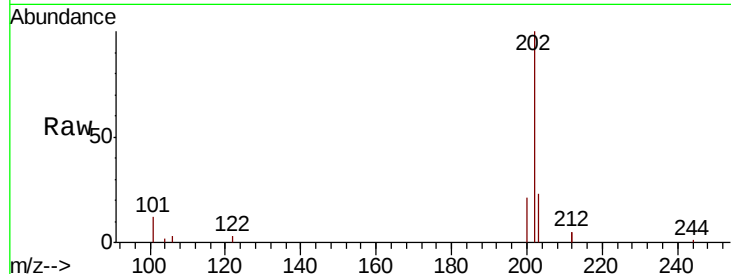
#28
Pvrene
Concen: 1.864 ng
RT: 19.72 min Scan# 1504
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleId :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.4
203	0.0	14.2	21.4#

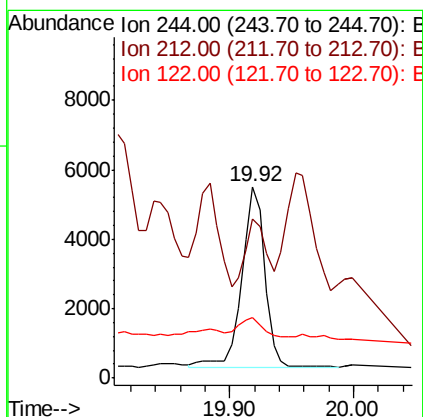
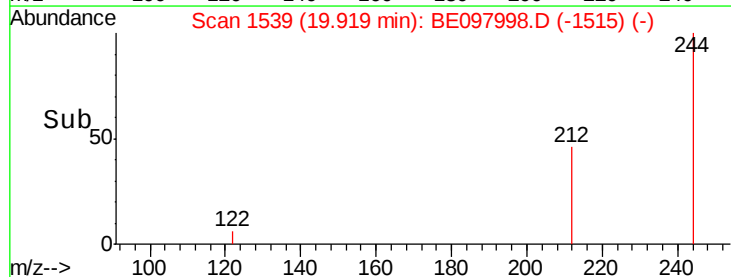
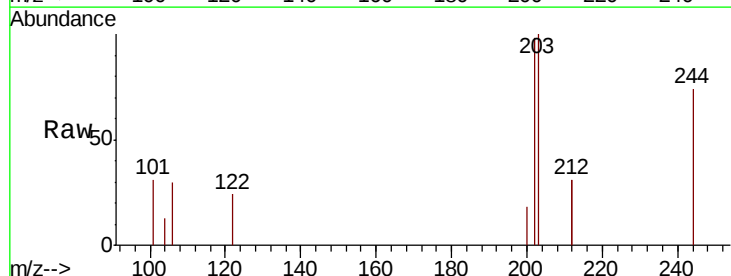
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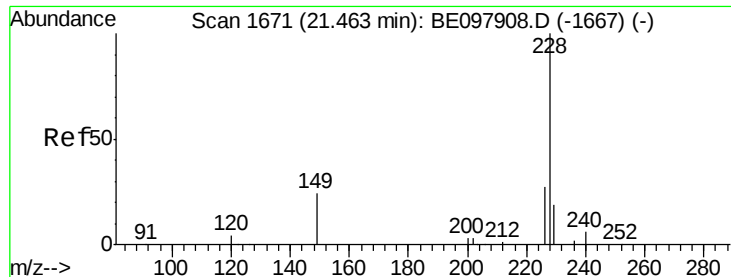
Sohil
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#29
Terphenyl-d14
Concen: 0.149 ng
RT: 19.92 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	82.9	26.2	39.2#
122	31.8	7.7	11.5#





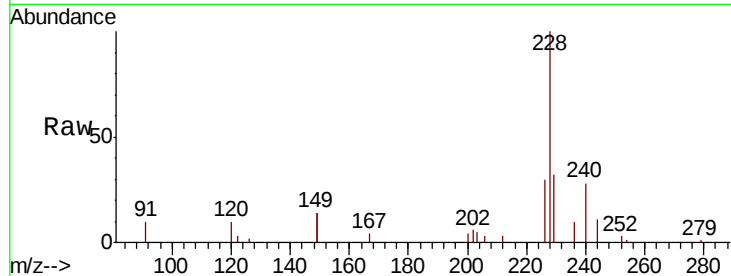
#30
Benzo(a)anthracene
Concen: 0.510 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleId :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	31.9	16.9	25.3

Manual Integrations
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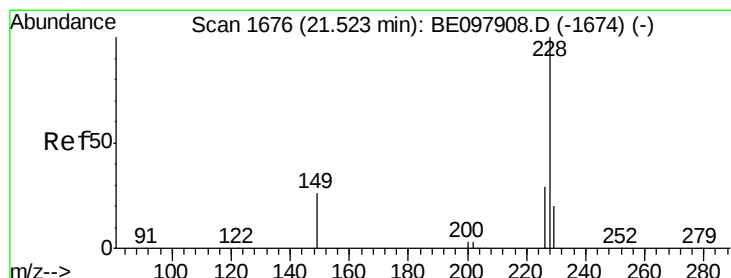
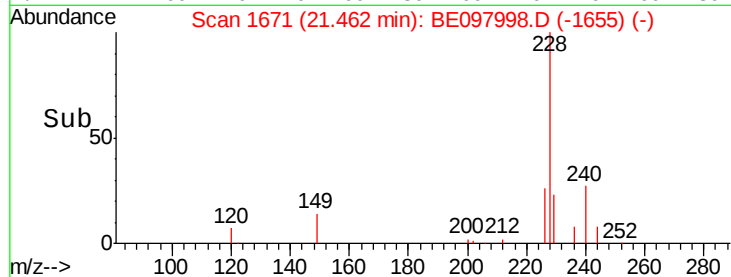
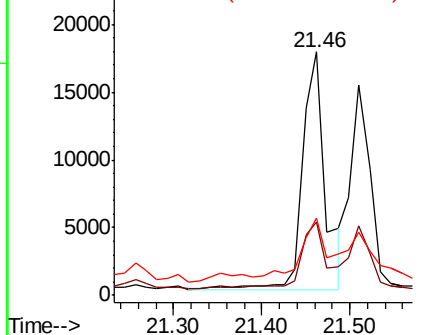


Abundance

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: 0.393 ng
RT: 21.51 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

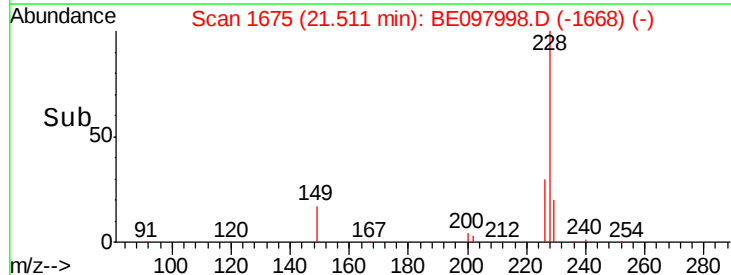
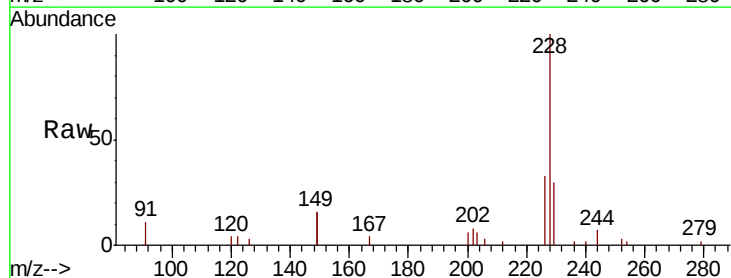
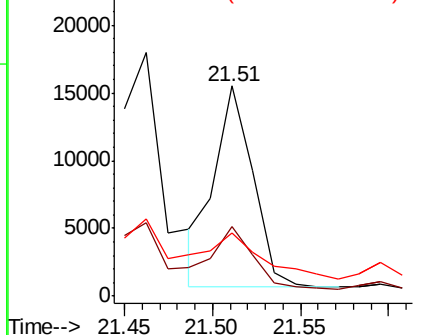
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.3	36.5
229	29.8	17.3	25.9

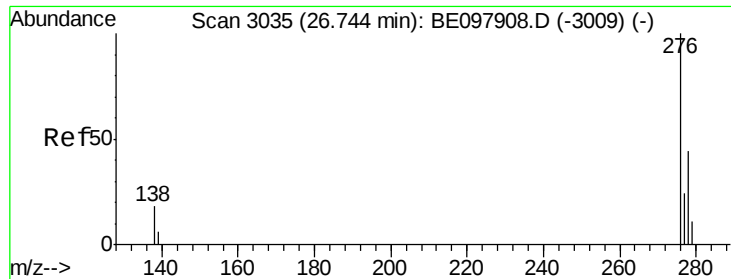
Abundance

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





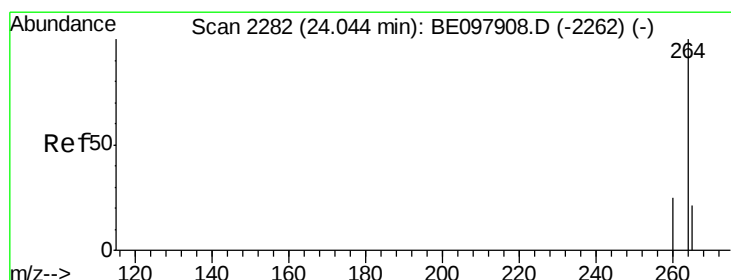
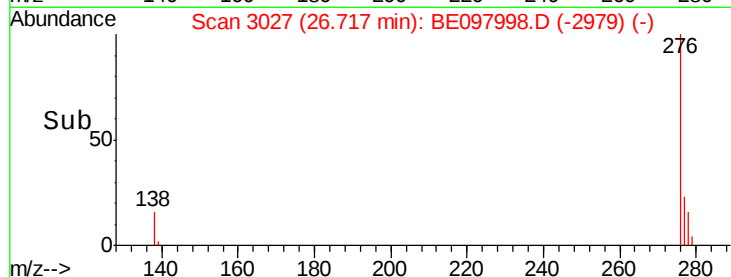
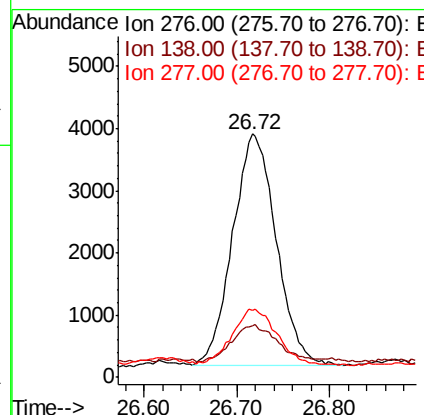
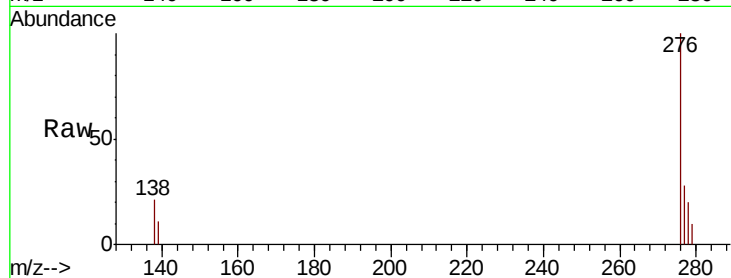
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.104 ng
 RT: 26.72 min Scan# 3027
 Delta R.T. -0.03 min
 Lab File: BE097998.D
 Acq: 19 Oct 2018 19:06

Instrument :
 BNA_E
 ClientSampleID :
 TWP-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.1	17.0	25.6#
277	25.9	20.5	30.7

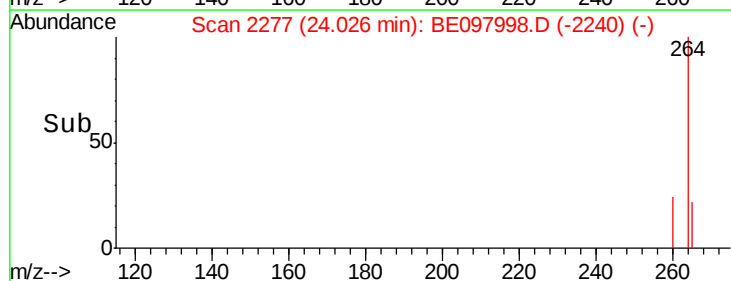
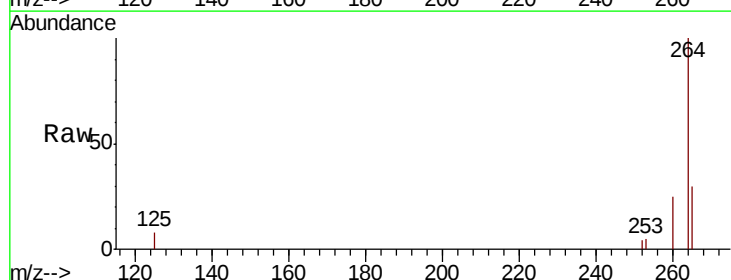
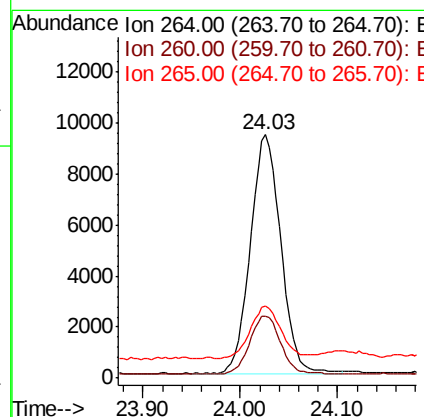
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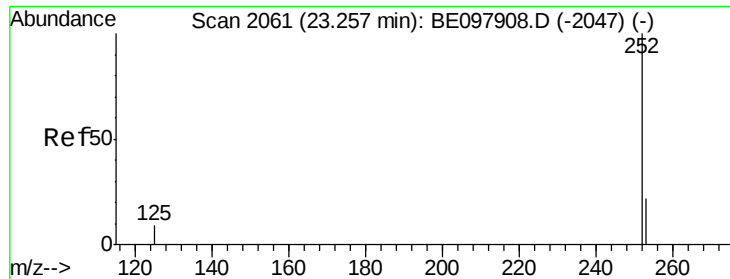
Sohil
 10/22/2018 5:06:13 PM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE097998.D
 Acq: 19 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	21.1	31.7
265	29.6	29.2	43.8





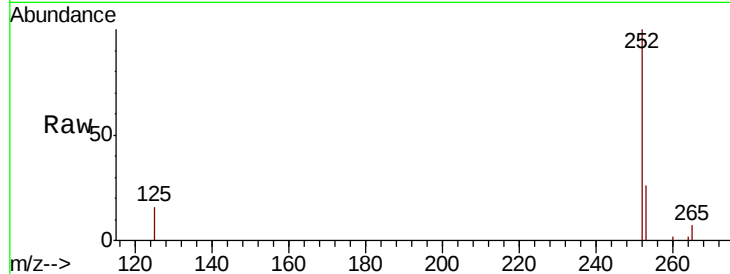
#35
Benzo(b)fluoranthene
Concen: 0.461 ng
RT: 23.25 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleId :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	20.6	31.0
125	16.1	14.3	21.5

Manual Integrations
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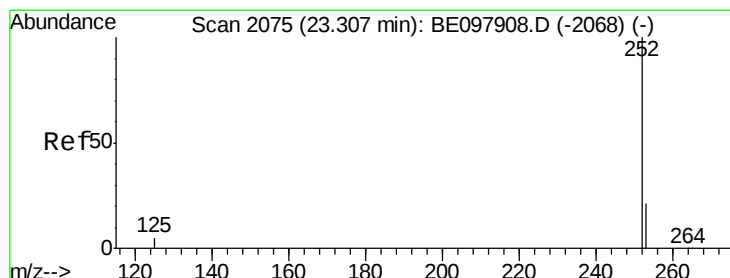
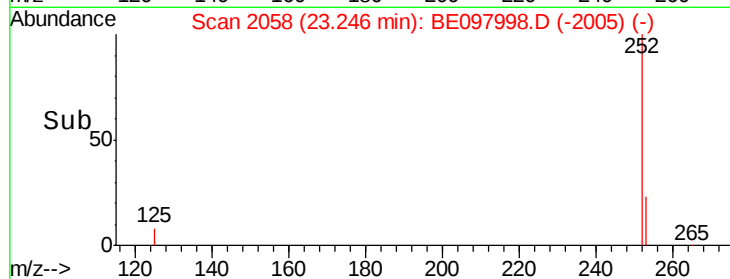
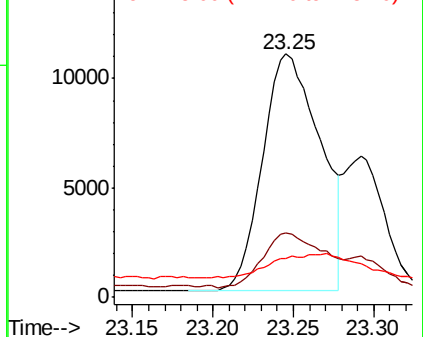


Abundance

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: 0.177 ng m
RT: 23.29 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

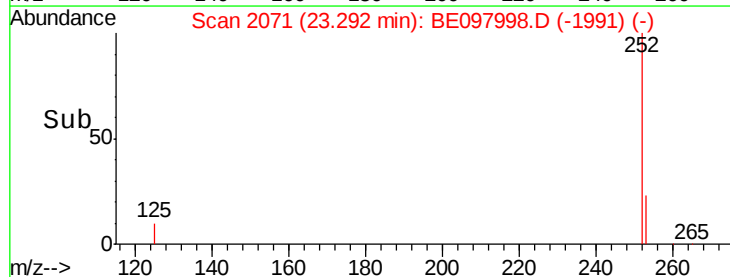
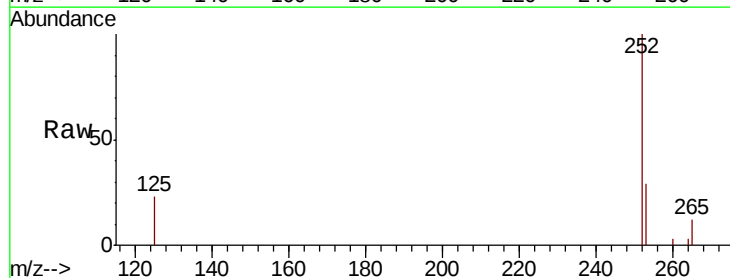
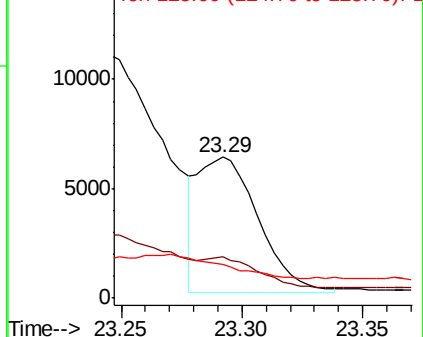
Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	20.4	30.6
125	23.5	14.6	21.8#

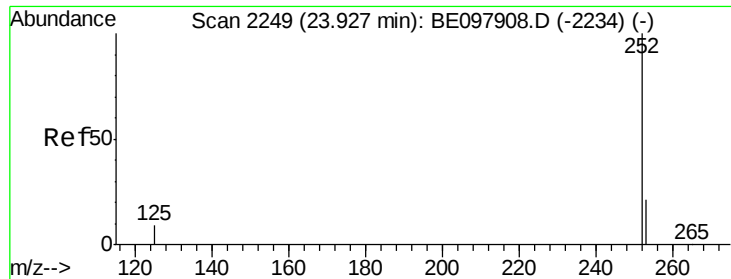
Abundance

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





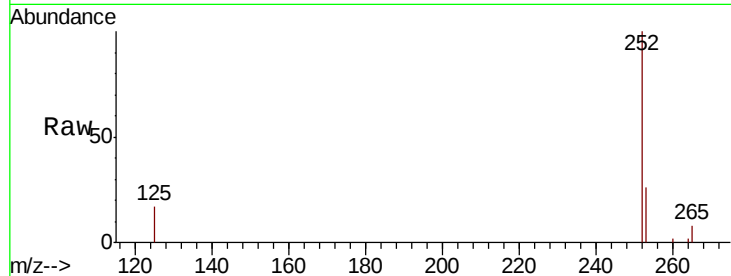
#37
Benzo(a)pyrene
Concen: 0.354 ng
RT: 23.91 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

Instrument :
BNA_E
ClientSampleId :
TWP-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.6	31.0
125	16.6	15.6	23.4

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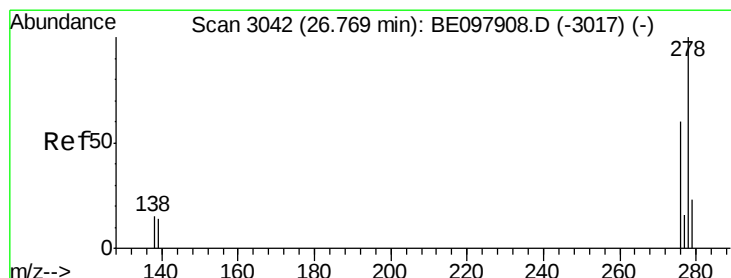
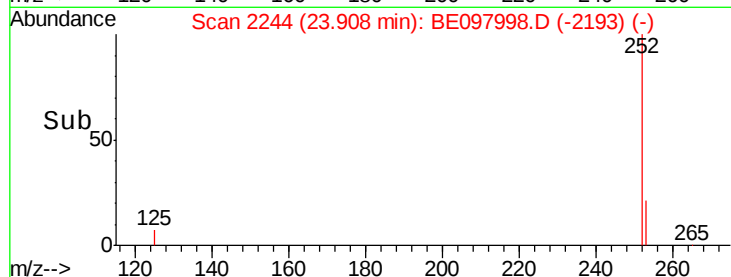
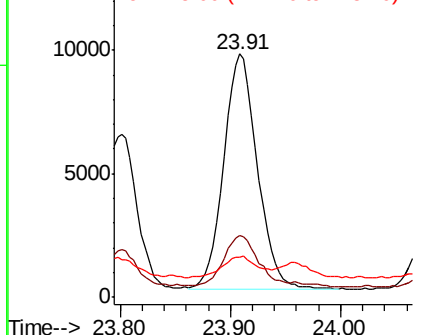


Abundance

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: 0.058 ng
RT: 26.74 min Scan# 3034
Delta R.T. -0.03 min
Lab File: BE097998.D
Acq: 19 Oct 2018 19:06

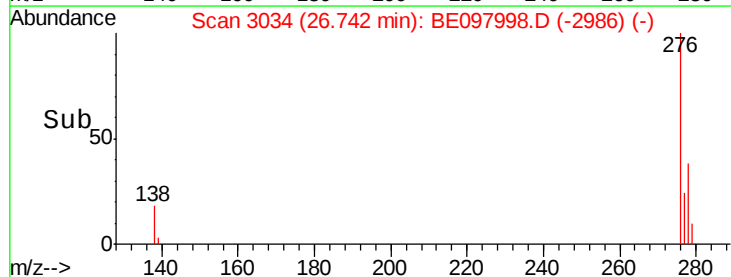
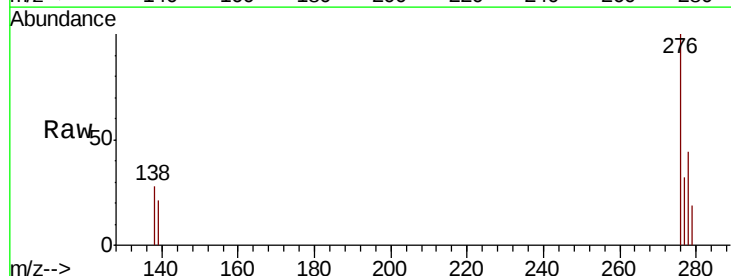
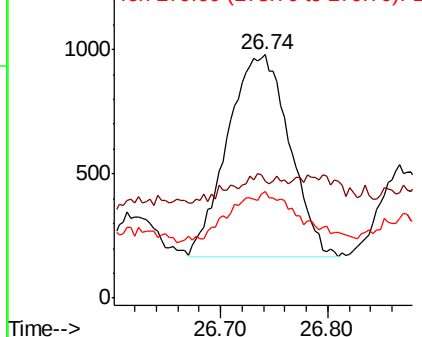
Tgt Ion	Ratio	Lower	Upper
278	100		
139	47.9	16.3	24.5#
279	43.7	21.4	32.2#

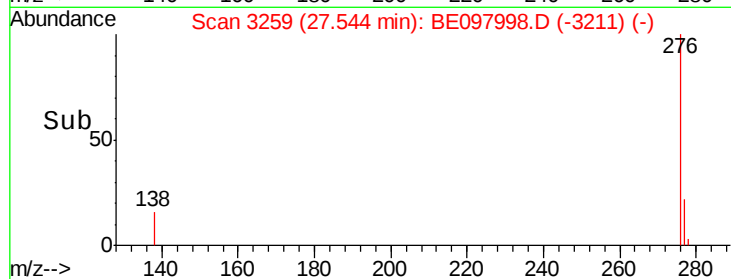
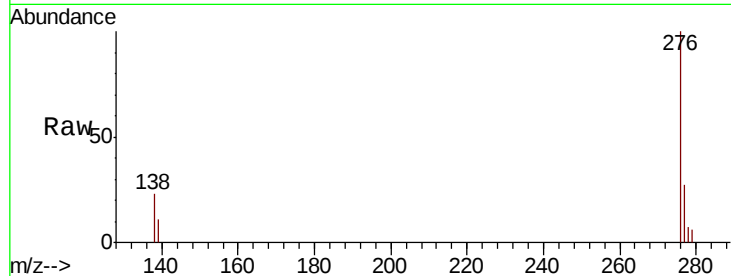
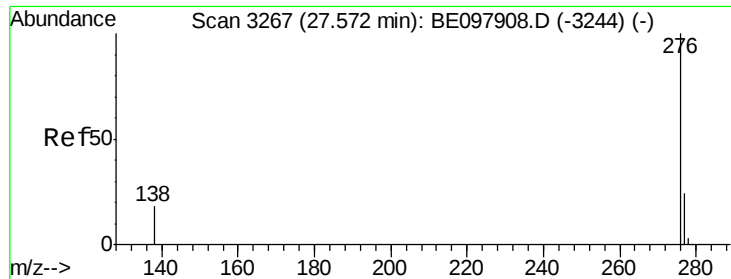
Abundance

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: 0.190 ng

RT: 27.54 min Scan# 3259

Delta R.T. -0.03 min

Lab File: BE097998.D

Acq: 19 Oct 2018 19:06

Instrument :

BNA_E

ClientSampleId :

TWP-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	22.1	33.1
138	23.2	19.3	28.9

Manual Integrations
APPROVED

Sohil
10/22/2018 5:06:13 PM

