

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\
 Data File : BE097997.D
 Acq On : 19 Oct 2018 18:29
 Operator : SJ/JU
 Sample : J5521-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TWP-01

Manual Integrations
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Quant Time: Oct 20 00:19:41 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	7.88	152	4742	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	25363	0.40	ng	0.00
13) Acenaphthene-d10	14.57	164	97068	0.40	ng	0.01
19) Phenanthrene-d10	17.33	188	18348	0.40	ng	0.02
27) Chrysene-d12	21.47	240	21969	0.40	ng	-0.01
34) Perylene-d12	24.03	264	21512	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	2110	0.14	ng	0.00
5) Phenol-d6	7.05	99	4342	0.20	ng	0.00
8) Nitrobenzene-d5	9.03	82	33746m	1.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.31	152	23382	0.55	ng	0.01
14) 2,4,6-Tribromophenol	16.08	330	1689	0.03	ng	0.03
15) 2-Fluorobiphenyl	13.19	172	6174m	0.02	ng	0.01
25) Fluoranthene-d10	19.34	212	97780	0.39	ng	0.01
29) Terphenyl-d14	19.93	244	31506	0.63	ng	0.00
Target Compounds						
9) Naphthalene	10.76	128	590790	2.339	ng	Qvalue # 59
12) 2-Methylnaphthalene	12.38	142	1965440m	45.424	ng	
17) Acenaphthene	14.66	154	500677m	1.827	ng	
18) Fluorene	15.63	166	1480778	3.928	ng	# 77
23) Phenanthrene	17.37	178	4321852	92.700	ng	# 92
26) Fluoranthene	19.38	202	328492	5.370	ng	95
28) Pyrene	19.73	202	512619	8.088	ng	# 73
30) Benzo(a)anthracene	21.46	228	150320	2.230	ng	# 91
31) Chrysene	21.52	228	124493	1.951	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.38	149	27923	0.091	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.72	276	64512	1.127	ng	# 94
35) Benzo(b)fluoranthene	23.25	252	142942	2.309	ng	# 92
36) Benzo(k)fluoranthene	23.29	252	46506m	0.721	ng	
37) Benzo(a)pyrene	23.91	252	103960m	1.723	ng	
38) Dibenzo(a,h)anthracene	26.74	278	16971	0.287	ng	97
39) Benzo(g,h,i)perylene	27.55	276	58114	0.960	ng	# 92

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

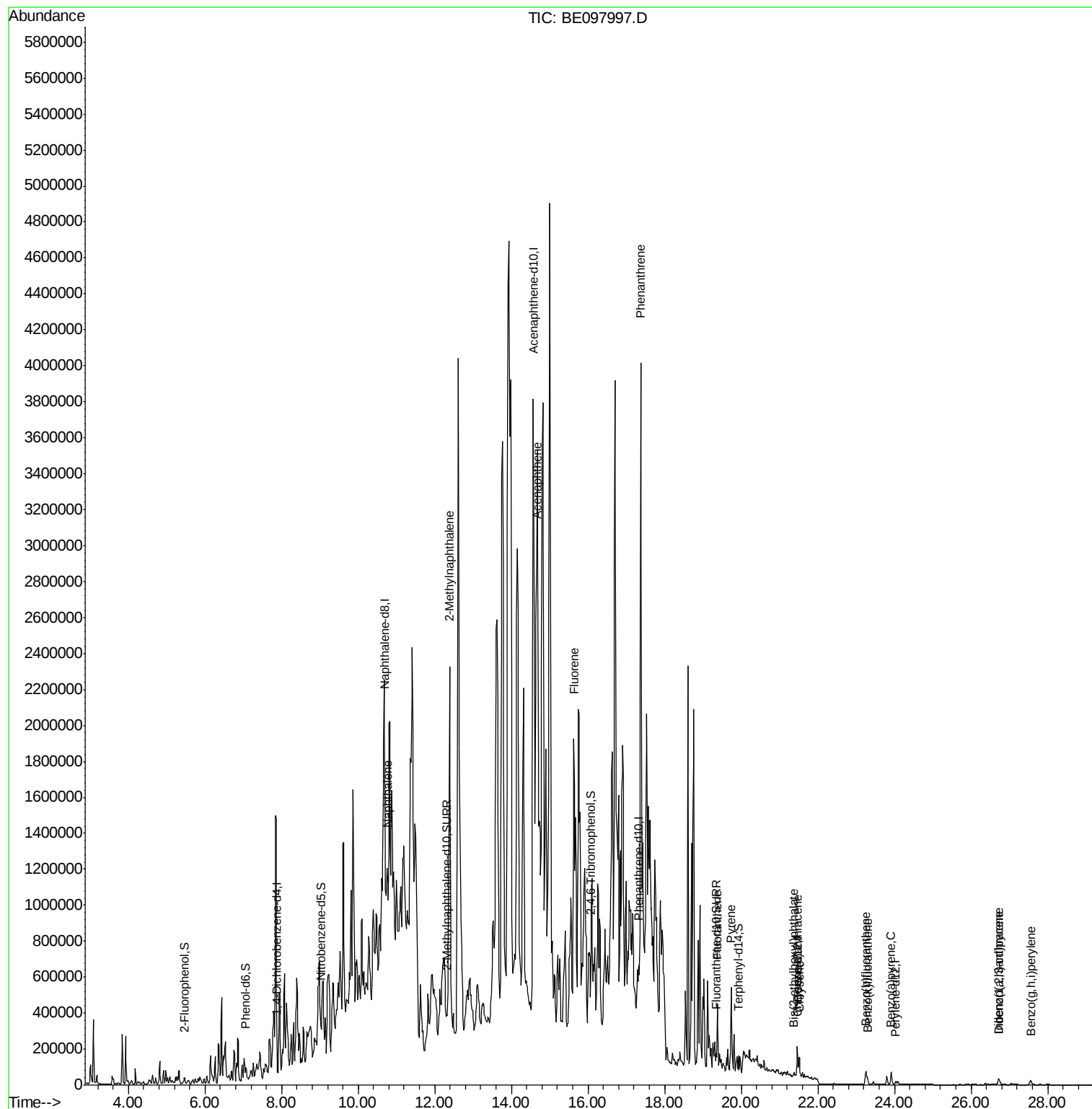
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\
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#1

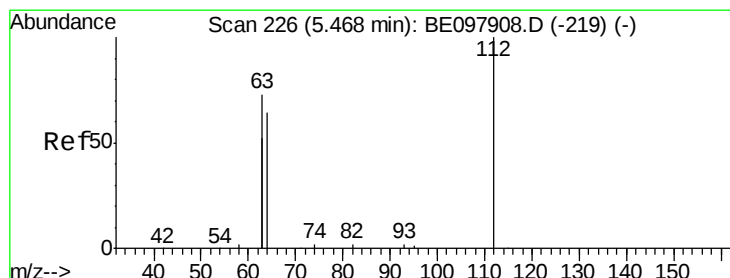
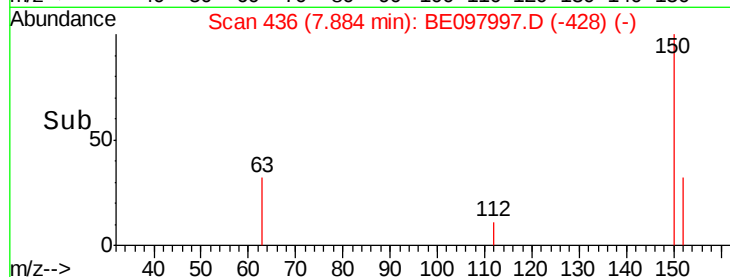
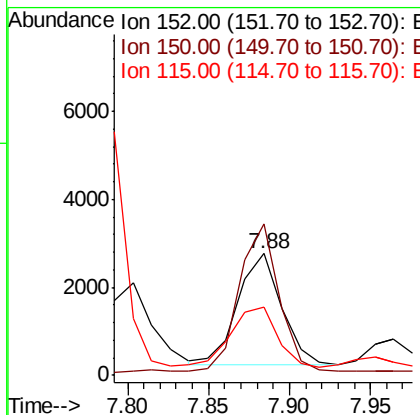
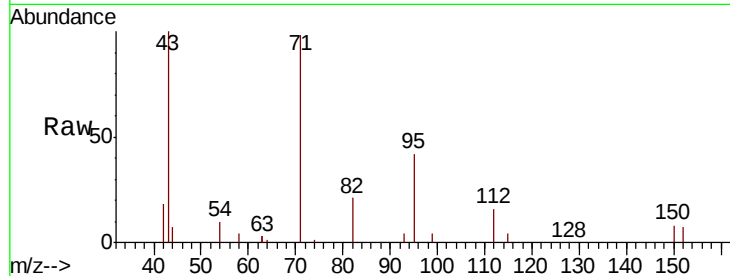
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 436
Delta R.T. -0.00 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampled :
TWP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	124.4	118.2	177.4
115	55.9	50.9	76.3

Manual Integrations
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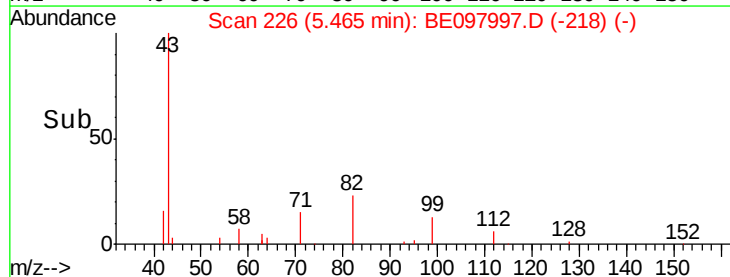
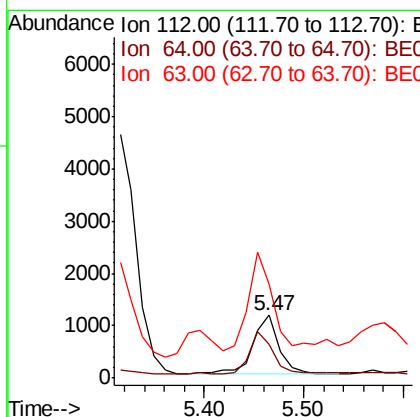
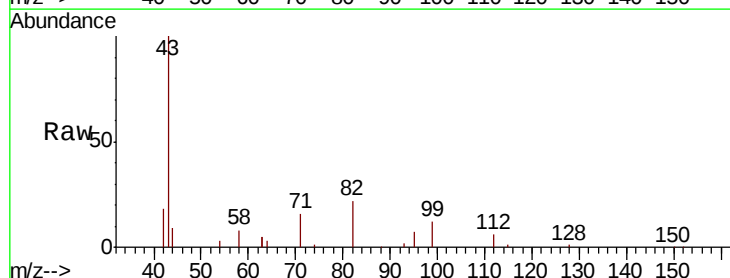
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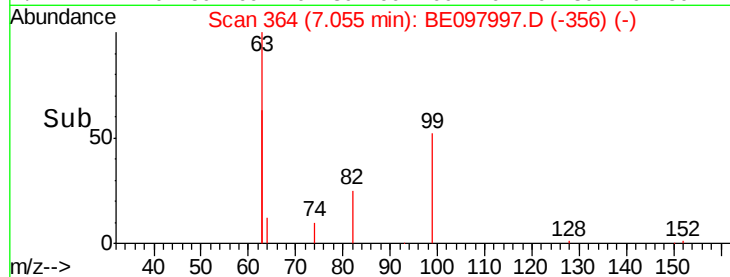
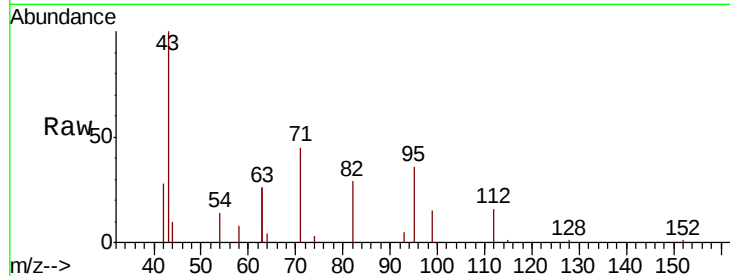
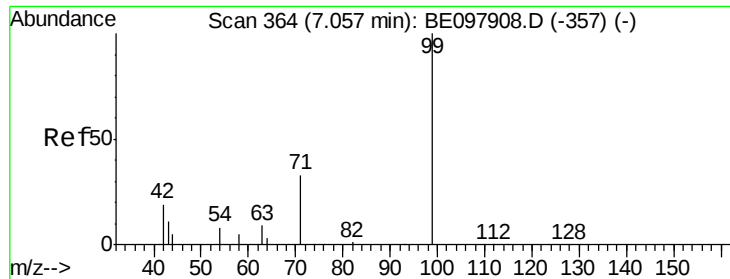


#4

2-Fluorophenol
Concen: 0.141 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	58.9	88.3#
63	152.6	120.3	180.5





#5

Phenol-d6

Concen: 0.196 ng

RT: 7.05 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097997.D

Acq: 19 Oct 2018 18:29

Tot Ion:	99	Resp:	4342
Ion	Ratio	Lower	Upper
99	100		
42	0.0	19.9	29.9#
71	0.0	27.8	41.8#

Instrument :

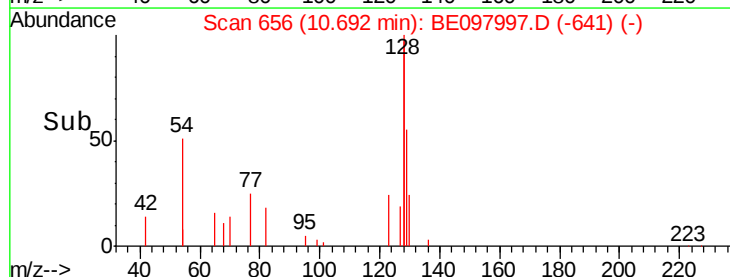
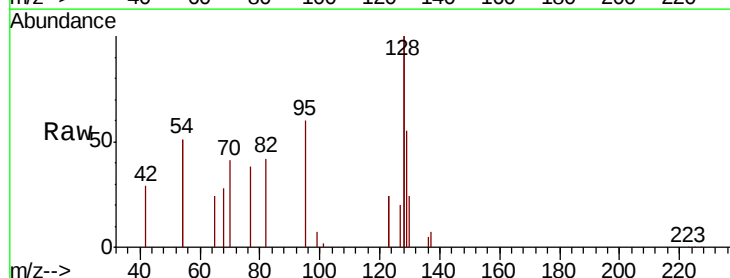
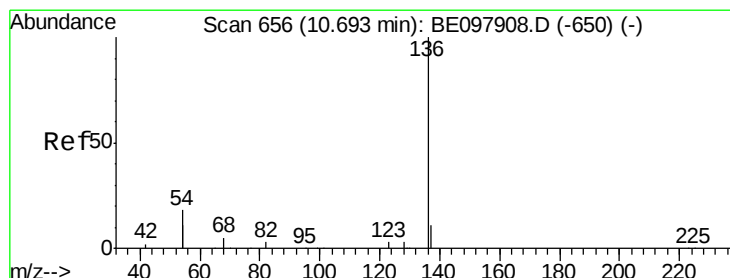
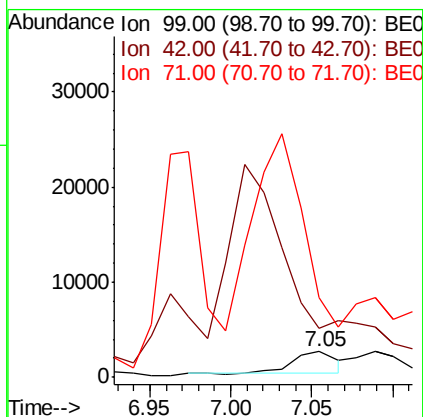
BNA_E

ClientSampled :

TWP-01

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#7

Naphthalene-d8

Concen: 0.400 ng

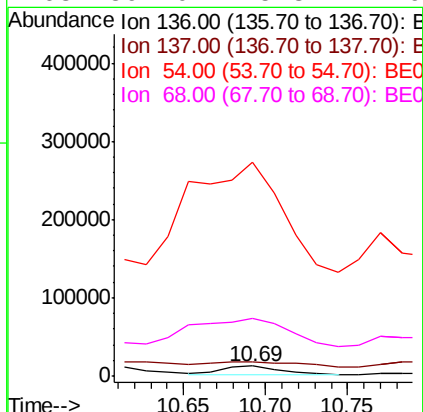
RT: 10.69 min Scan# 656

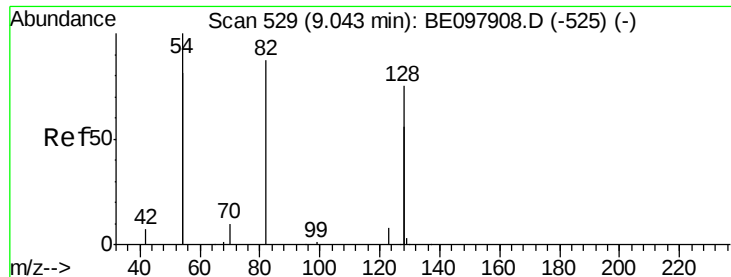
Delta R.T. -0.00 min

Lab File: BE097997.D

Acq: 19 Oct 2018 18:29

Tgt Ion:	136	Resp:	25363
Ion	Ratio	Lower	Upper
136	100		
137	140.4	9.6	14.4#
54	2180.7	27.7	41.5#
68	592.0	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 1.405 ng/ml

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097997.D

Acq: 19 Oct 2018 18:29

Instrument :

BNA_E

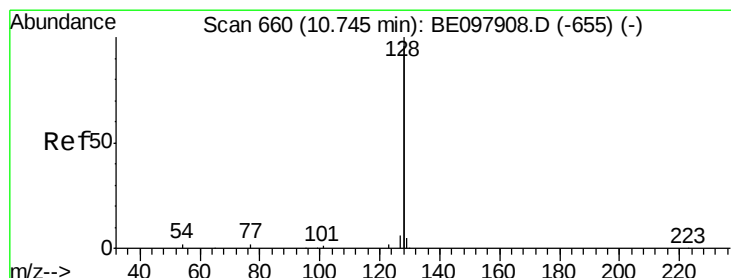
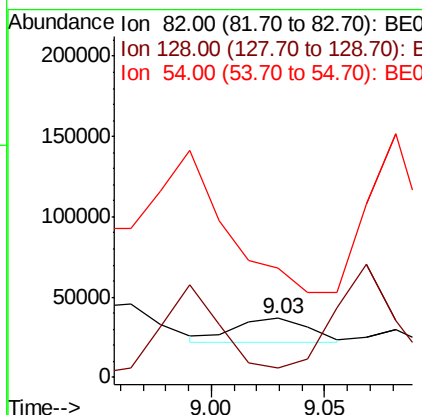
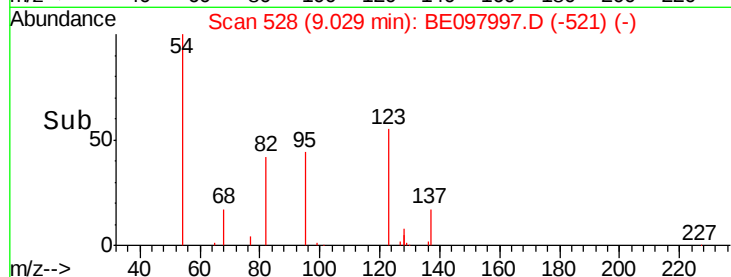
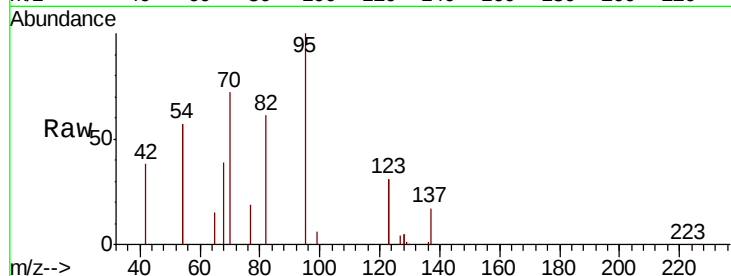
ClientSampled :

TWP-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	7.6	129.9	194.9#
54	92.5	174.0	261.0#

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#9

Naphthalene

Concen: 2.339 ng/ml

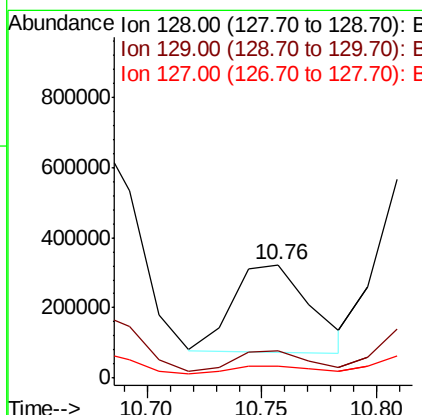
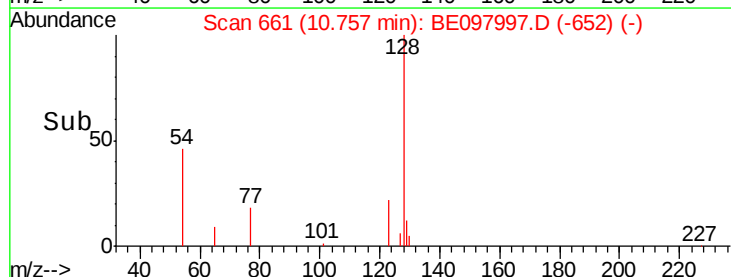
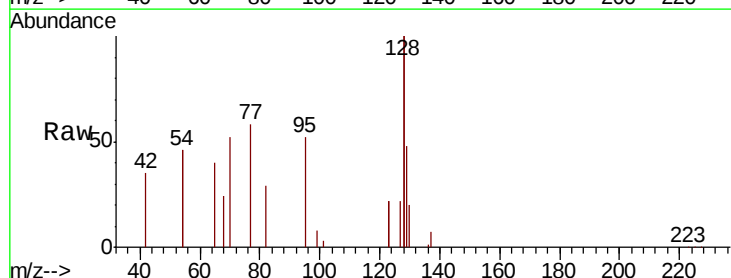
RT: 10.76 min Scan# 661

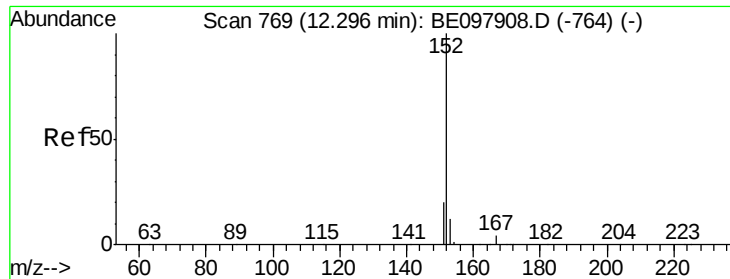
Delta R.T. 0.01 min

Lab File: BE097997.D

Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	23.8	2.5	3.7#
127	11.0	2.8	4.2#





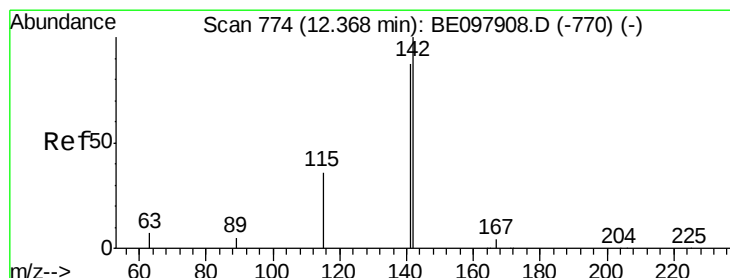
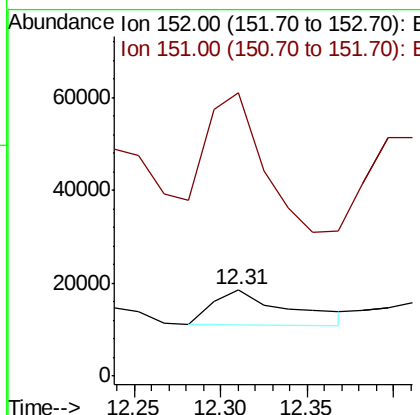
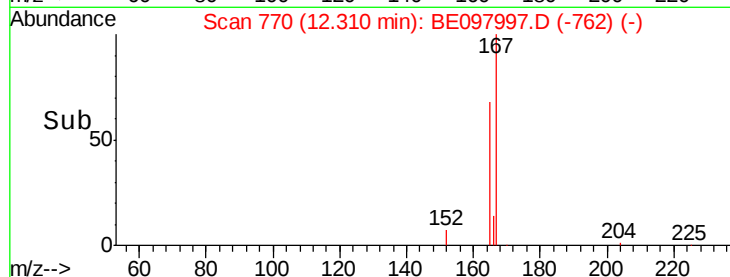
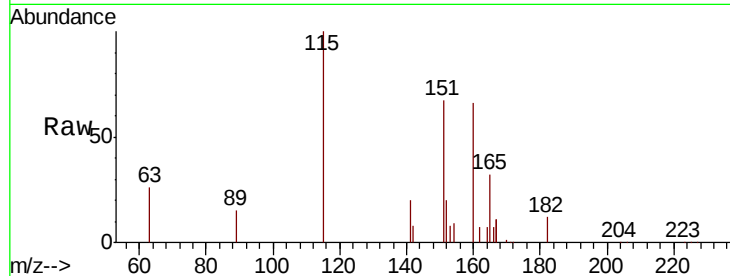
#11
2-Methylnaphthalene-d10
Concen: 0.554 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampleId :
TWP-01

Tot Ion:152 Resp: 23382
Ion Ratio Lower Upper
152 100
151 277.5 16.2 24.4#

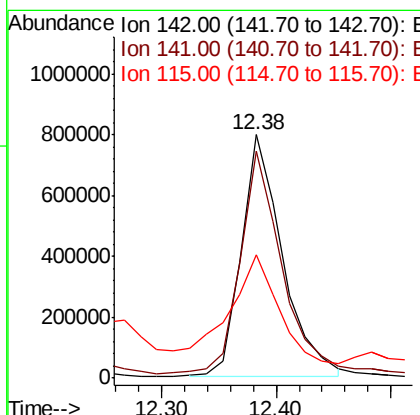
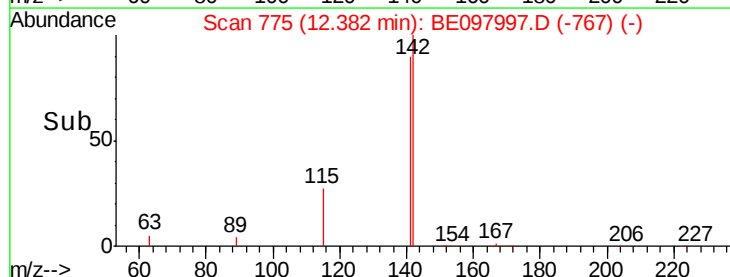
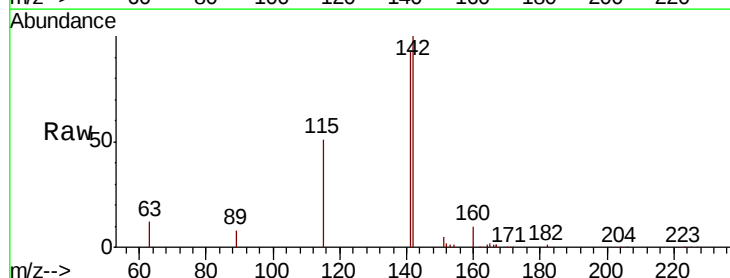
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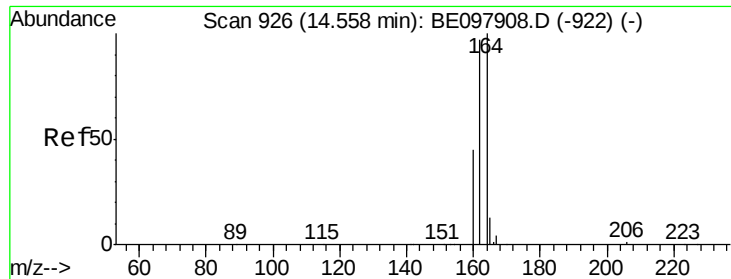
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#12
2-Methylnaphthalene
Concen: 45.424 ng m
RT: 12.38 min Scan# 775
Delta R.T. 0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion:142 Resp: 1965440
Ion Ratio Lower Upper
142 100
141 93.1 69.8 104.6
115 50.6 30.5 45.7#





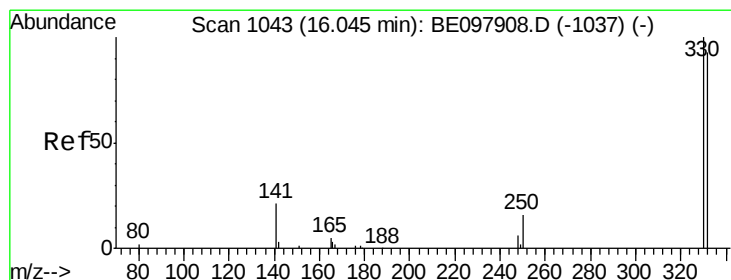
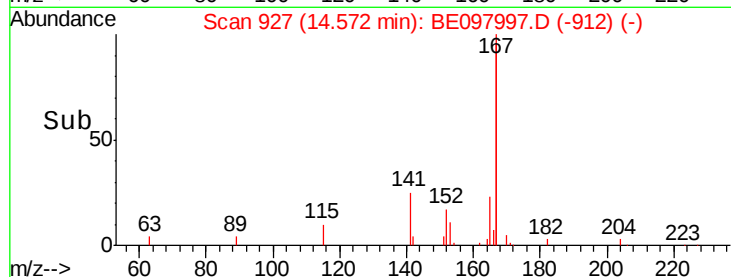
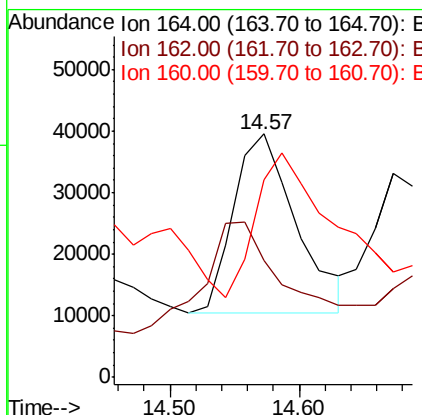
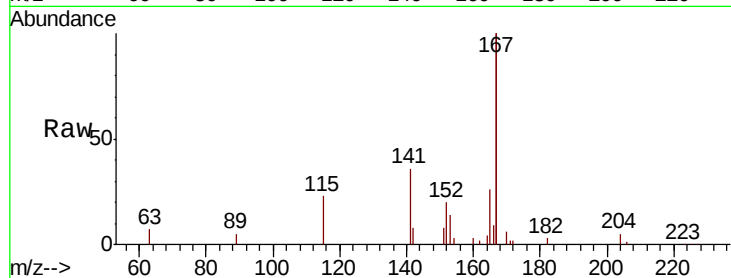
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	48.0	77.4	116.2#
160	81.0	36.5	54.7#

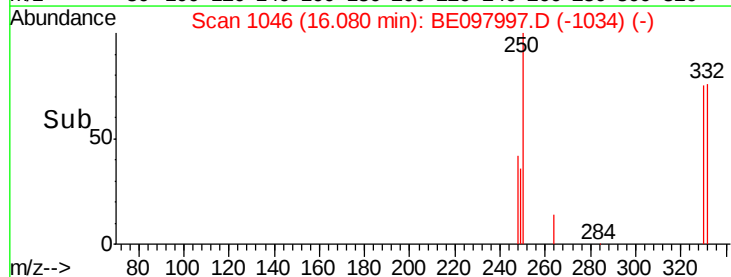
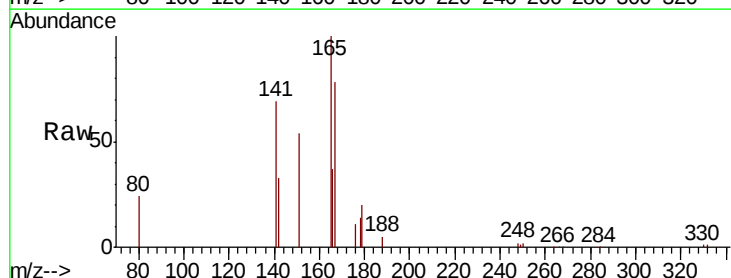
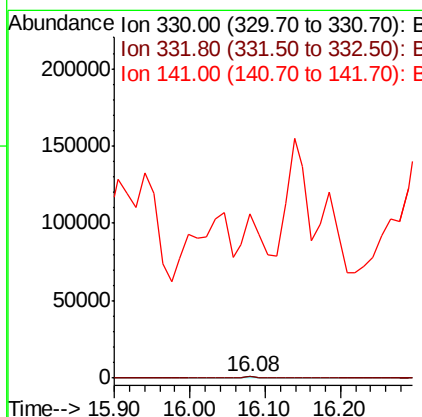
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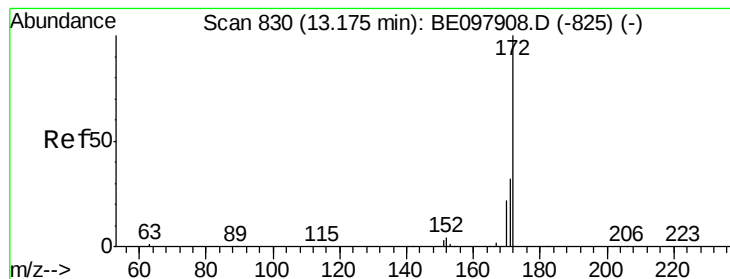
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#14
2,4,6-Tribromophenol
Concen: 0.032 ng
RT: 16.08 min Scan# 1046
Delta R.T. 0.03 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.5	114.7
141	2295.1	31.8	47.6#





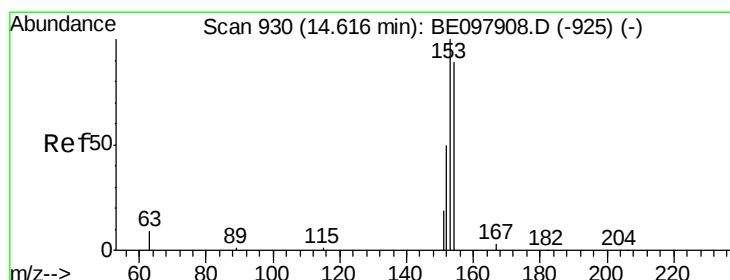
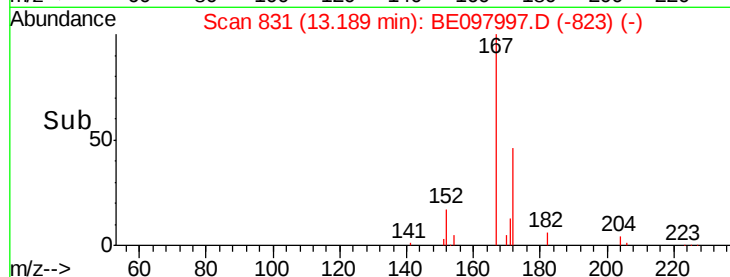
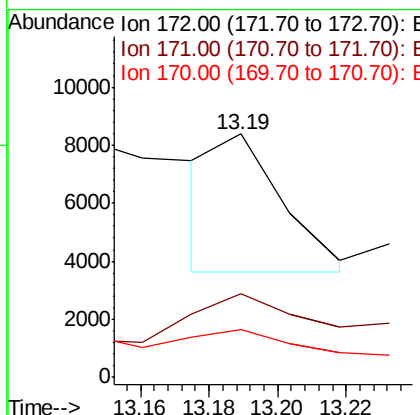
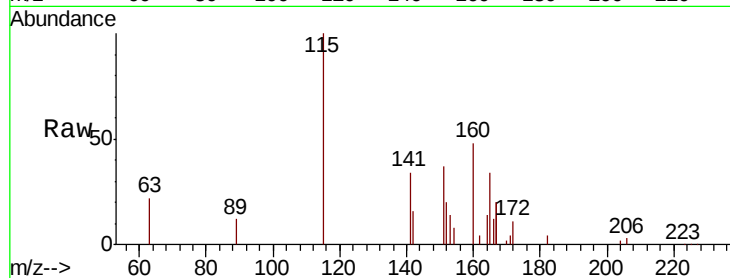
#15
2-Fluorobiphenyl
Concen: 0.016 ng m
RT: 13.19 min Scan# 831
Delta R.T. 0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.0	39.0
170	19.5	18.0	27.0

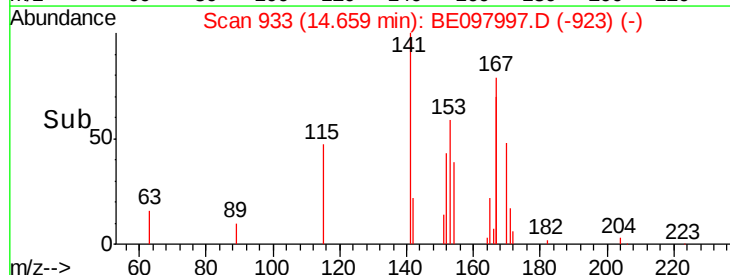
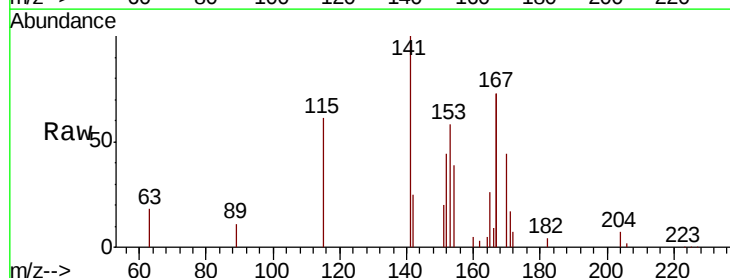
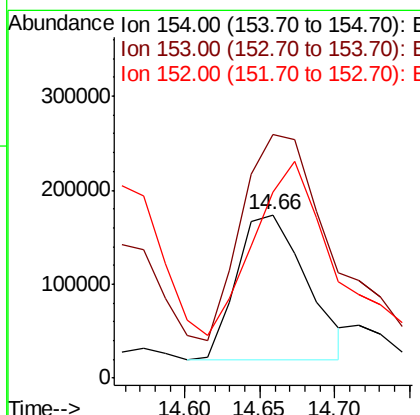
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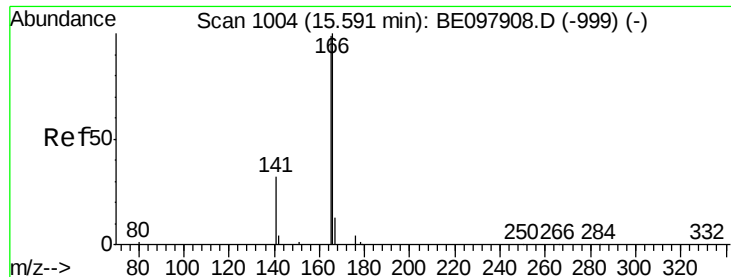
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#17
Acenaphthene
Concen: 1.827 ng m
RT: 14.66 min Scan# 933
Delta R.T. 0.04 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.4	92.6	139.0
152	0.0	45.5	68.3#





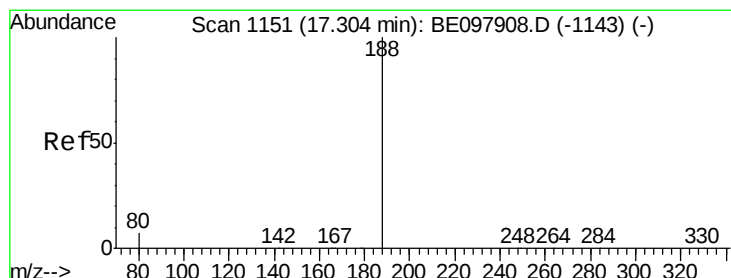
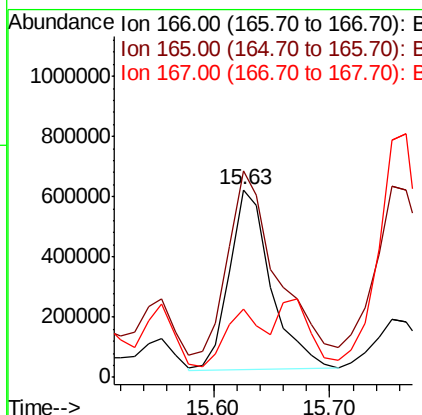
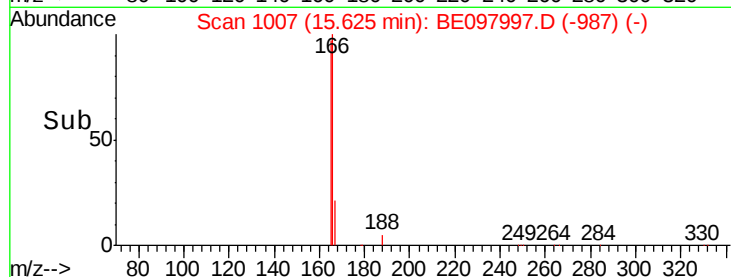
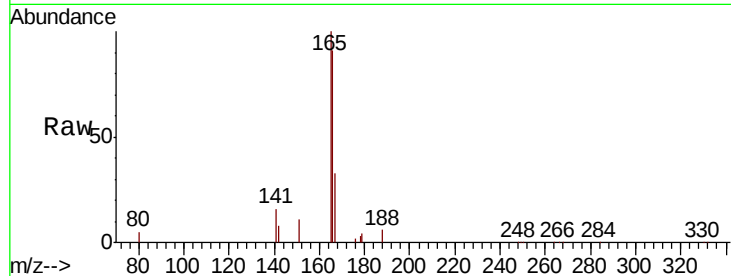
#18
Fluorene
 Concen: 3.928 ng
 RT: 15.63 min Scan# 1007
 Delta R.T. 0.03 min
 Lab File: BE097997.D
 Acq: 19 Oct 2018 18:29

Instrument :
 BNA_E
 ClientSampleId :
 TWP-01

Tot Ion:166 Resp: 1480778
 Ion Ratio Lower Upper
 166 100
 165 117.9 78.2 117.4#
 167 29.1 11.0 16.6#

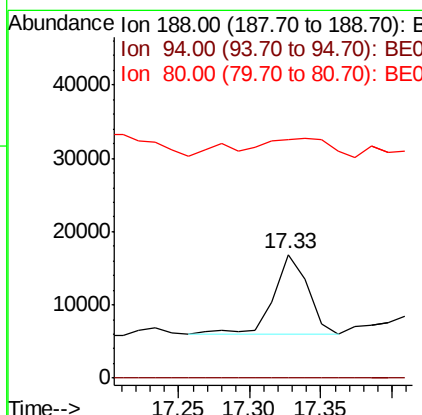
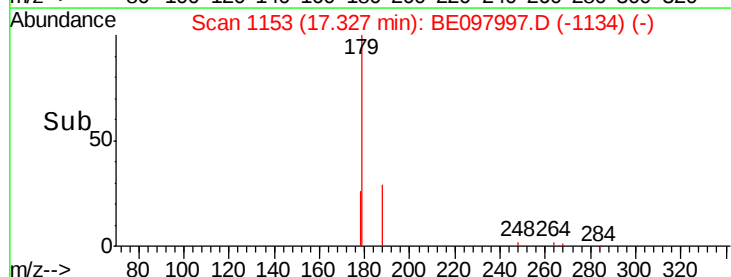
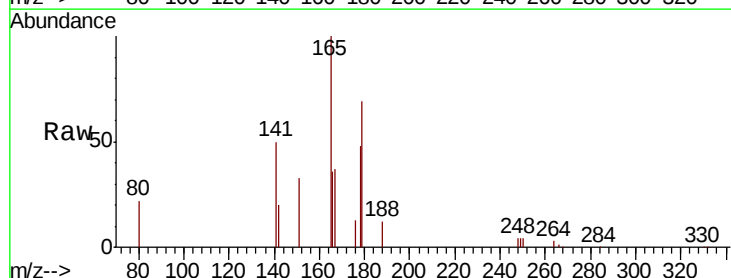
Manual Integrations
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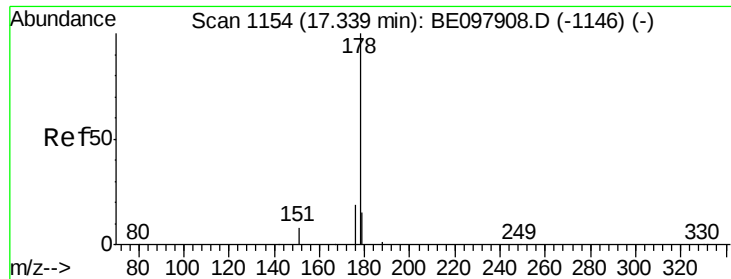
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.33 min Scan# 1153
 Delta R.T. 0.02 min
 Lab File: BE097997.D
 Acq: 19 Oct 2018 18:29

Tgt Ion:188 Resp: 18348
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 192.6 6.3 9.5#





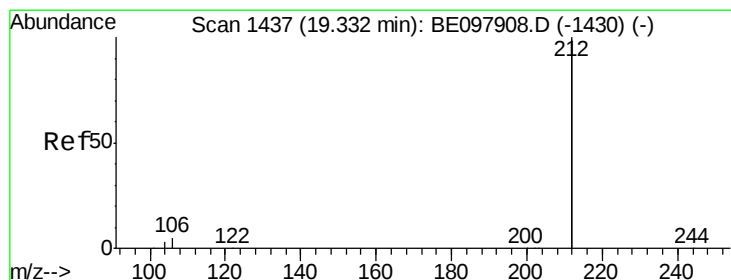
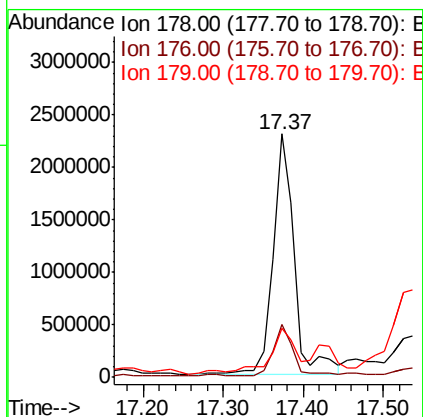
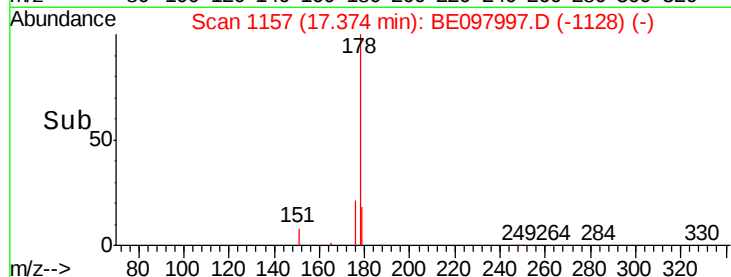
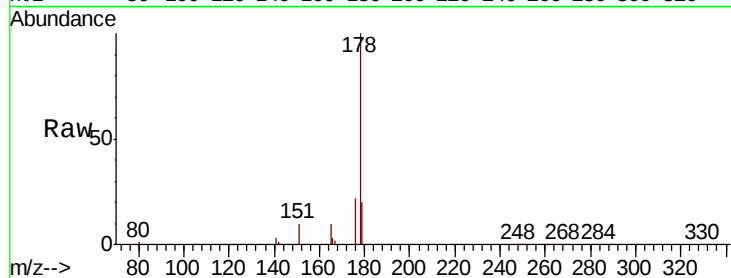
#23
Phenanthrene
Concen: 92.700 ng
RT: 17.37 min Scan# 1157
Delta R.T. 0.03 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	22.5	12.2	18.4

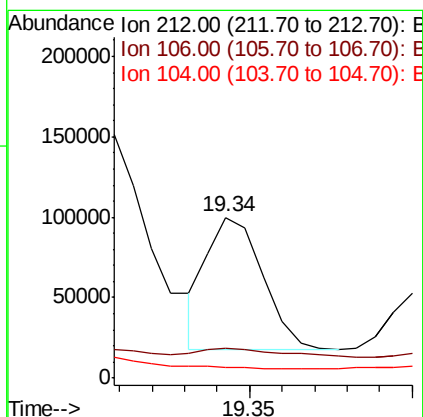
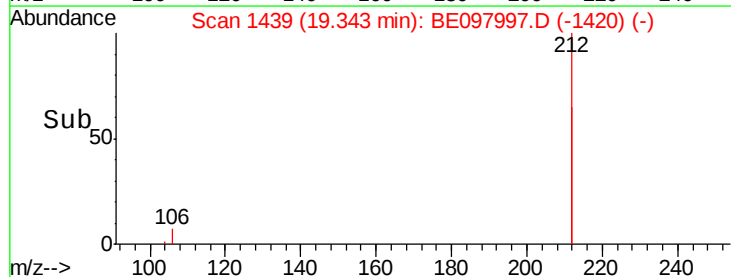
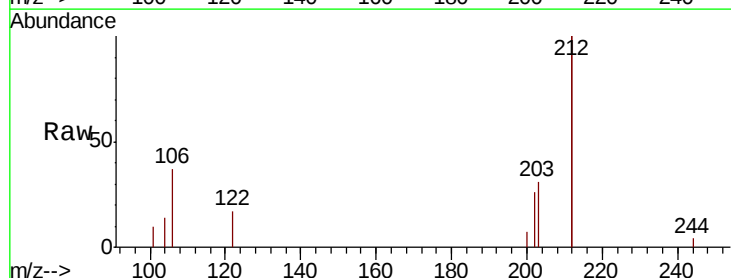
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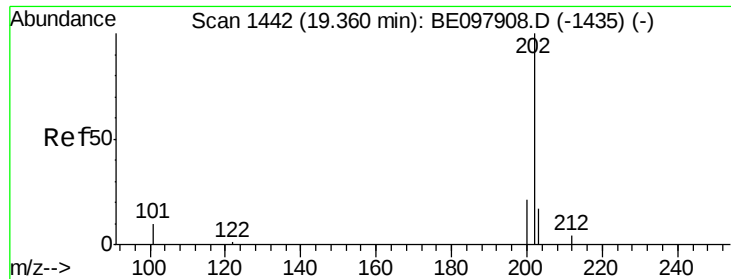
Sohil
10/22/2018 5:06:11 PM



#25
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.34 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
212	100		
106	9.4	2.3	3.5
104	0.0	1.3	1.9





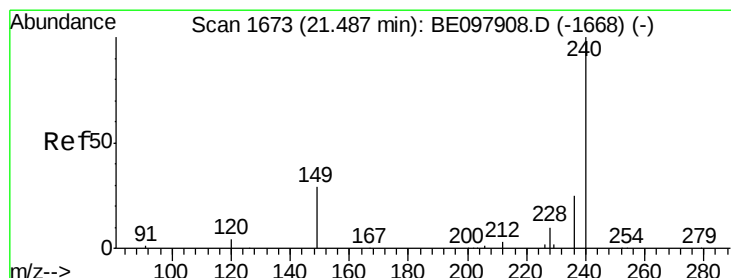
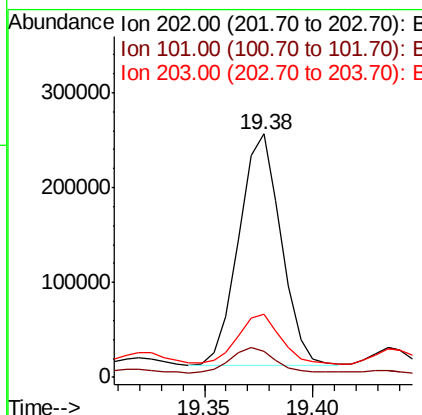
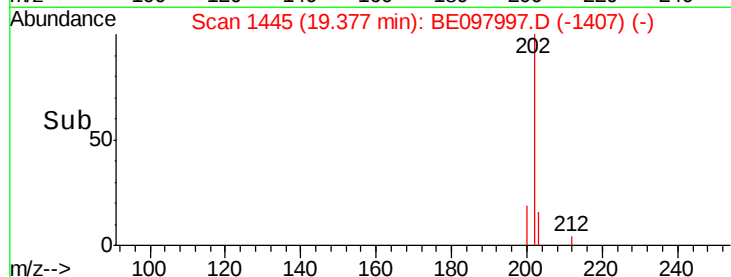
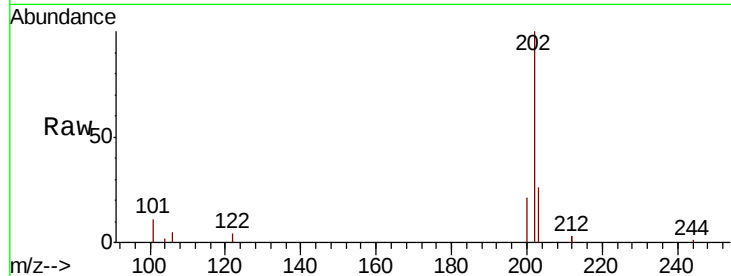
#26
 Fluoranthene
 Concen: 5.370 ng
 RT: 19.38 min Scan# 1445
 Delta R.T. 0.02 min
 Lab File: BE097997.D
 Acq: 19 Oct 2018 18:29

Instrument :
 BNA_E
 ClientSampled :
 TWP-01

Tot Ion:	202	Resp:	328492
Ion Ratio	Lower	Upper	
202	100		
101	11.3	8.2	12.2
203	21.1	15.0	22.4

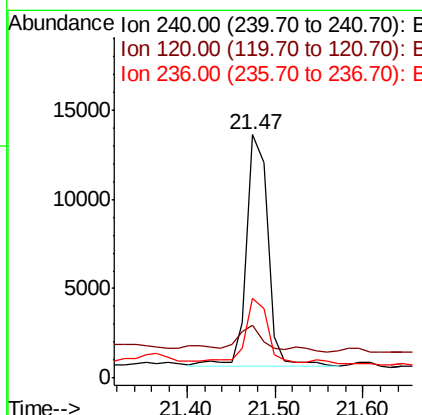
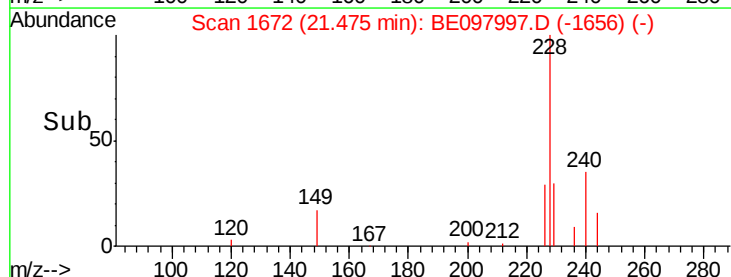
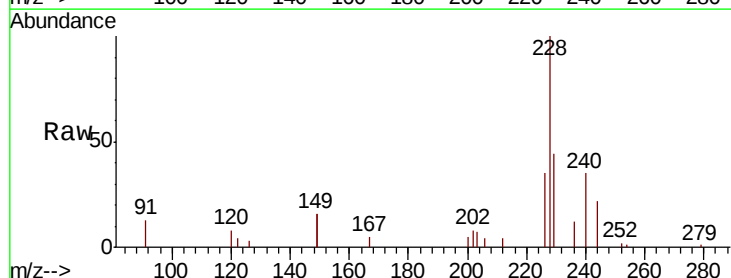
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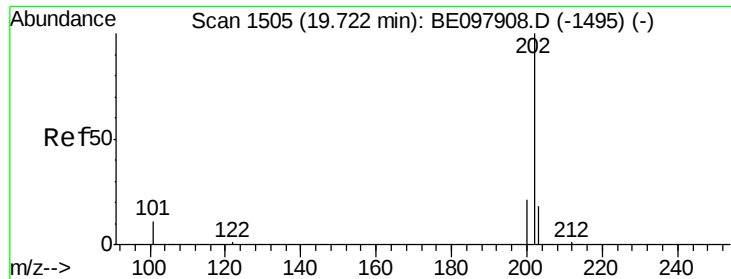
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.47 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BE097997.D
 Acq: 19 Oct 2018 18:29

Tgt Ion:	240	Resp:	21969
Ion Ratio	Lower	Upper	
240	100		
120	21.7	7.1	10.7#
236	33.0	21.3	31.9#





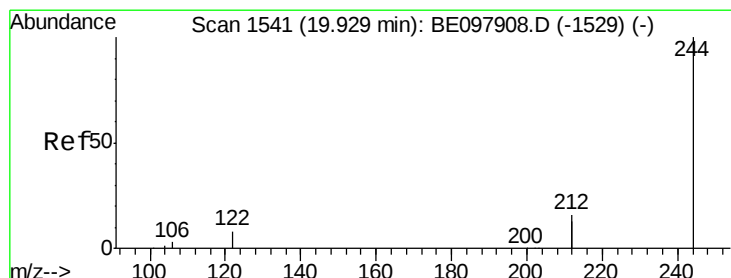
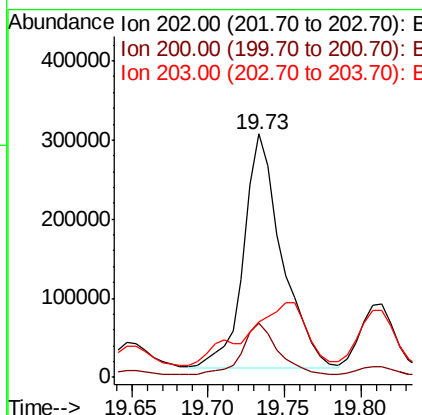
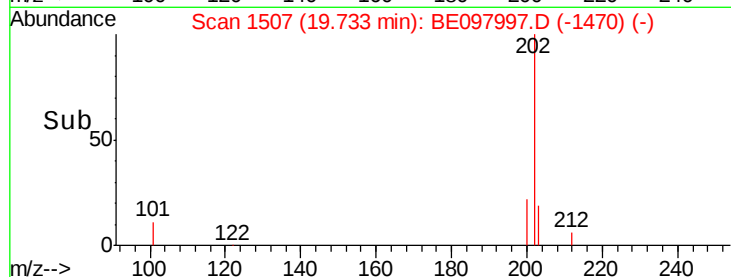
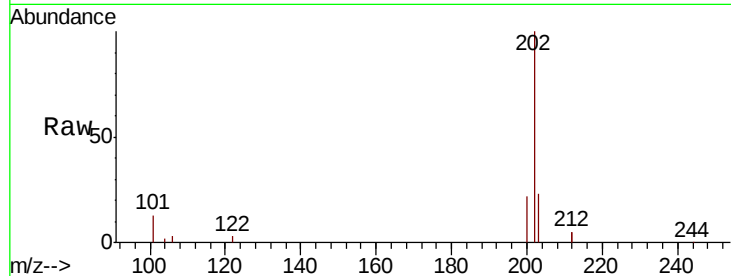
#28
Pvrene
Concen: 8.088 ng
RT: 19.73 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampleId :
TWP-01

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	17.0	25.4
203	43.6	14.2	21.4

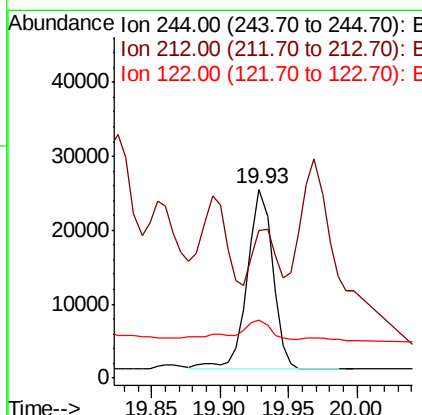
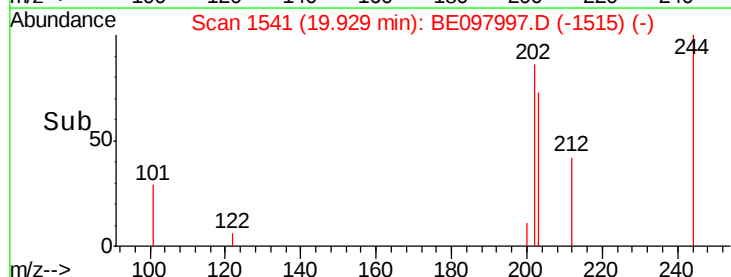
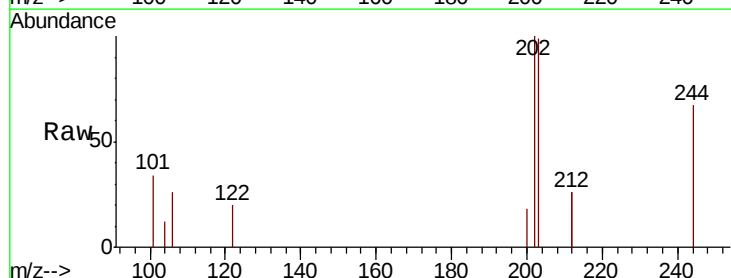
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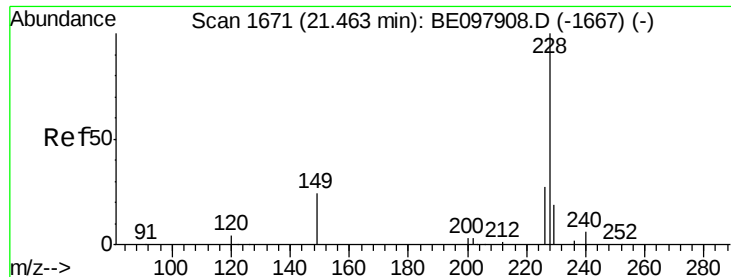
Sohil
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#29
Terphenyl-d14
Concen: 0.626 ng
RT: 19.93 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	78.1	26.2	39.2
122	30.5	7.7	11.5





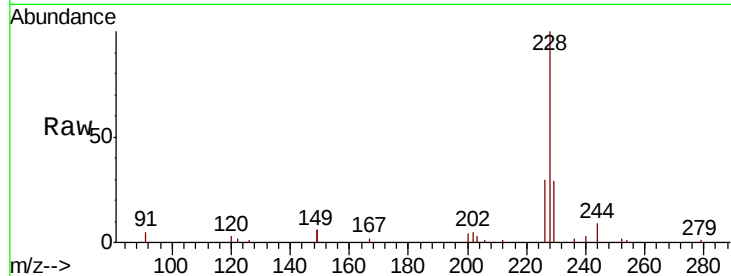
#30
Benzo(a)anthracene
Concen: 2.230 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampled :
TWP-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	28.8	16.9	25.3

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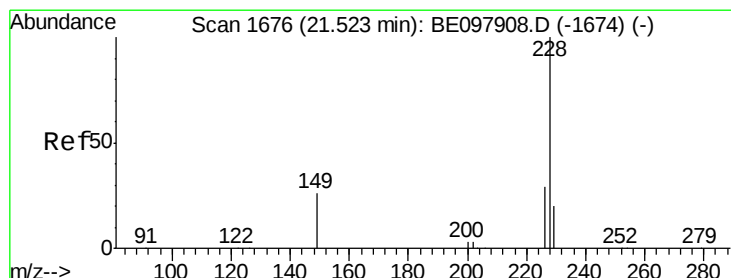
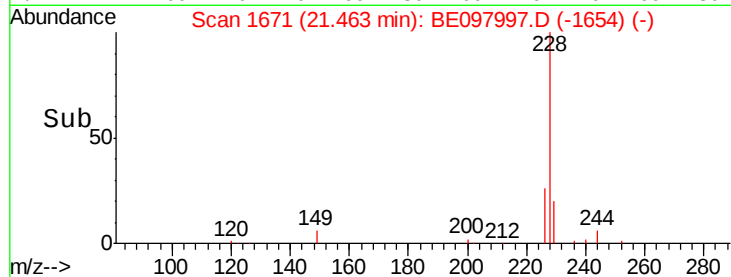
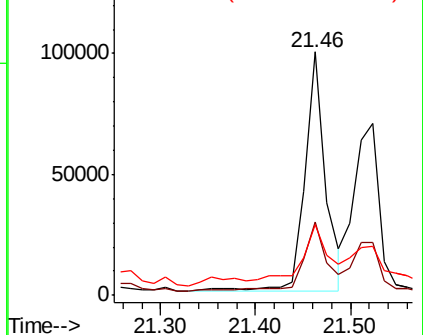


Abundance

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: 1.951 ng
RT: 21.52 min Scan# 1676
Delta R.T. -0.00 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

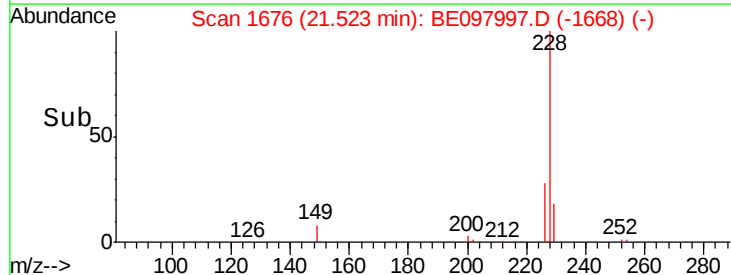
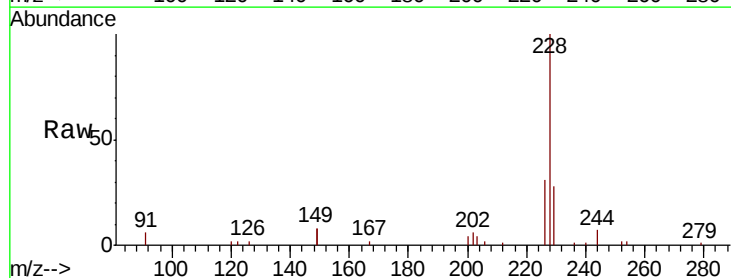
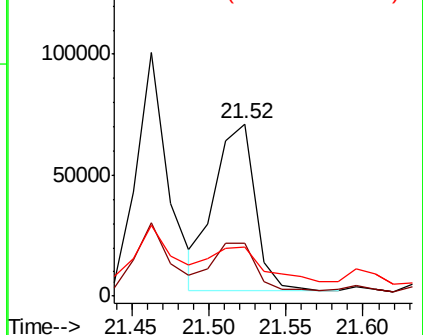
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	28.5	17.3	25.9

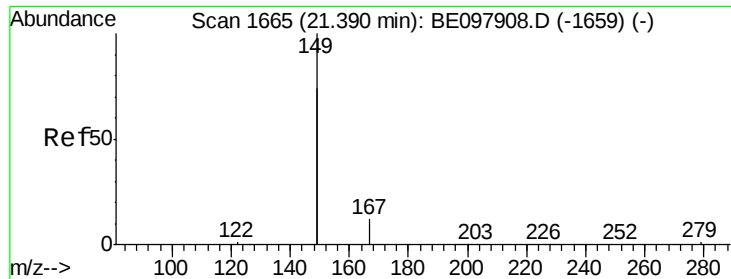
Abundance

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





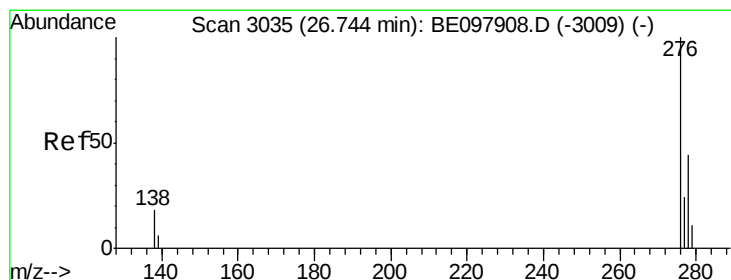
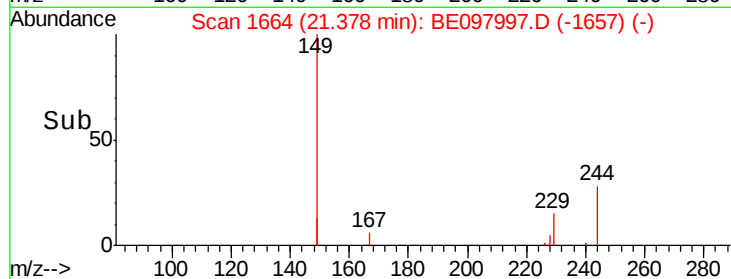
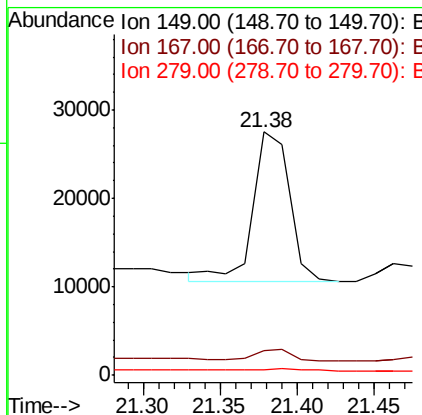
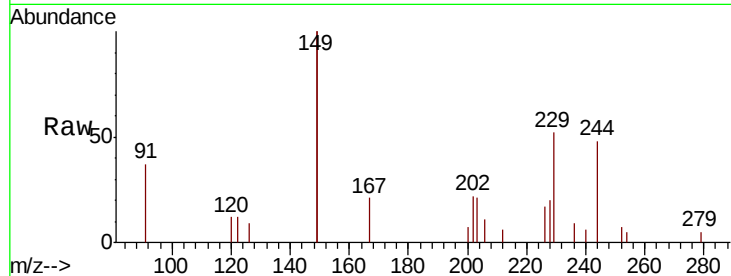
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.091 ng
 RT: 21.38 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BE097997.D
 Acq: 19 Oct 2018 18:29

Instrument :
 BNA_E
 ClientSampleId :
 TWP-01

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.6	8.4
279	2.2	0.9	1.3#

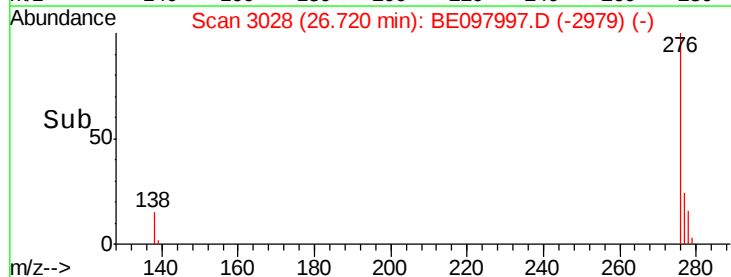
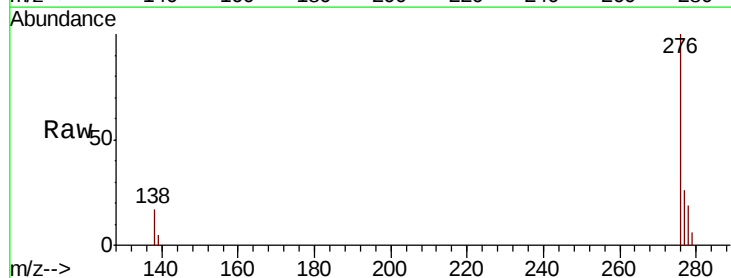
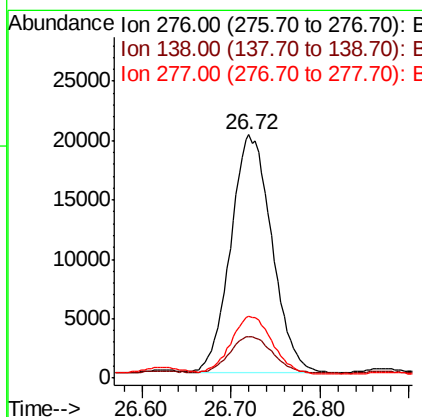
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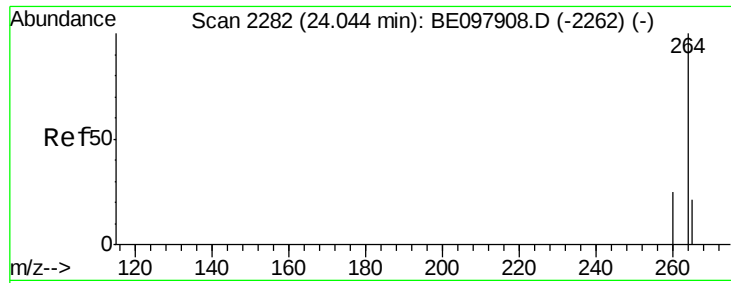
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.127 ng
 RT: 26.72 min Scan# 3028
 Delta R.T. -0.02 min
 Lab File: BE097997.D
 Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	17.0	25.6#
277	24.8	20.5	30.7





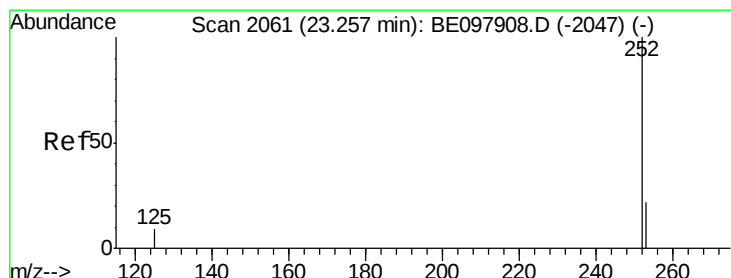
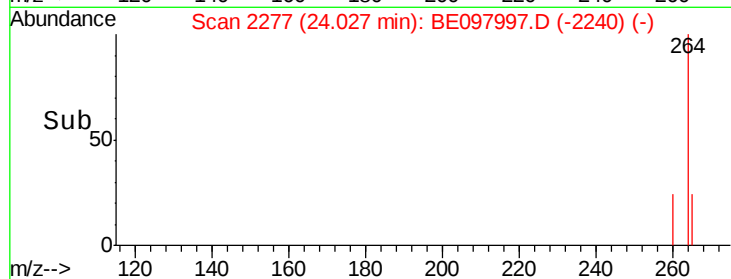
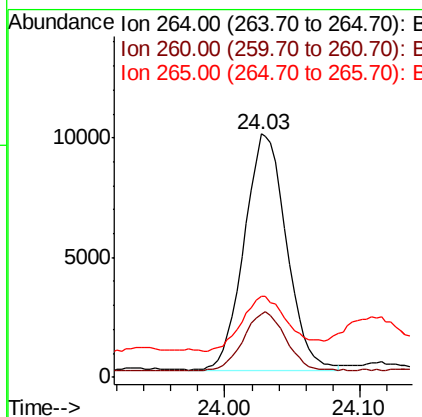
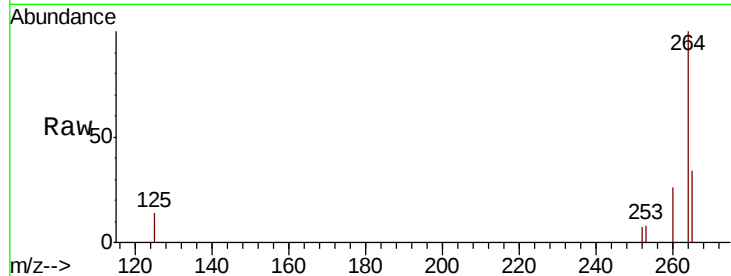
#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.03 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampled :
TWP-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.1	31.7
265	33.5	29.2	43.8

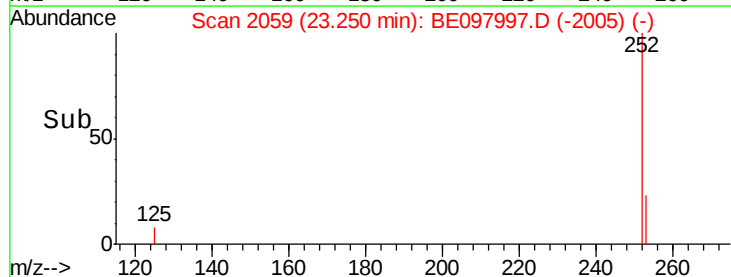
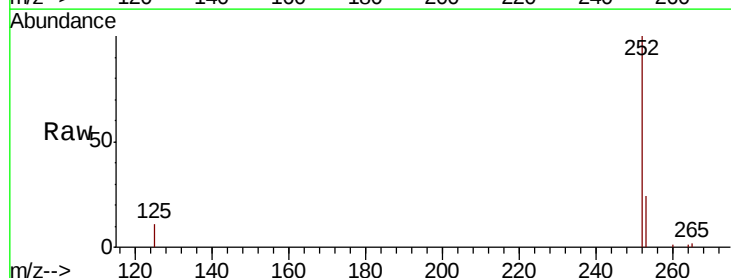
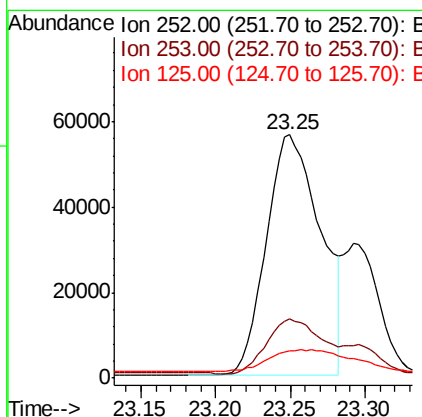
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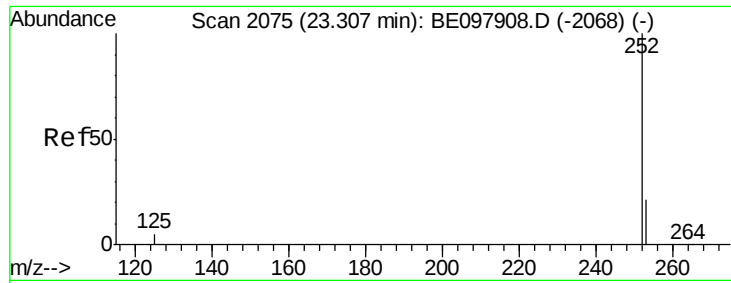
Sohil
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#35
Benzo(b)fluoranthene
Concen: 2.309 ng
RT: 23.25 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.6	31.0
125	11.2	14.3	21.5#





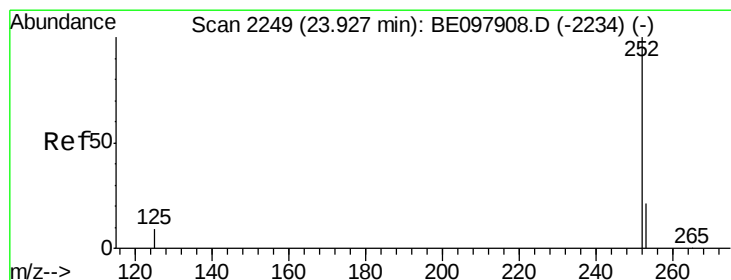
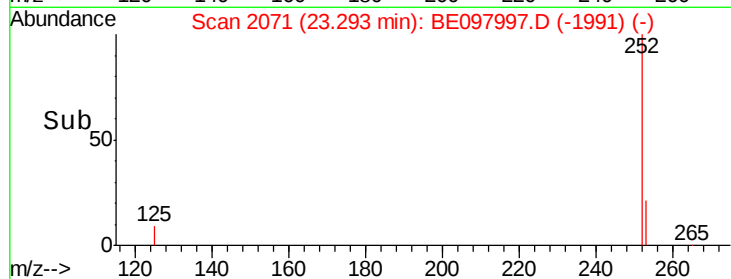
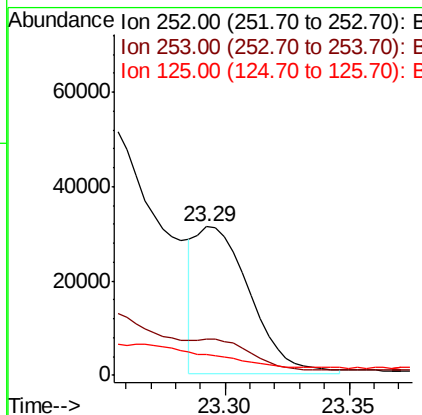
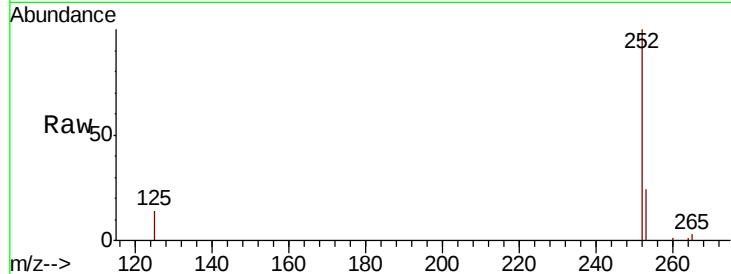
#36
Benzo(k)fluoranthene
Concen: 0.721 ng m
RT: 23.29 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.4	30.6
125	14.3	14.6	21.8#

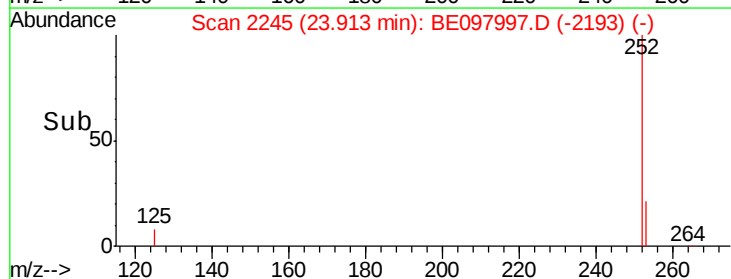
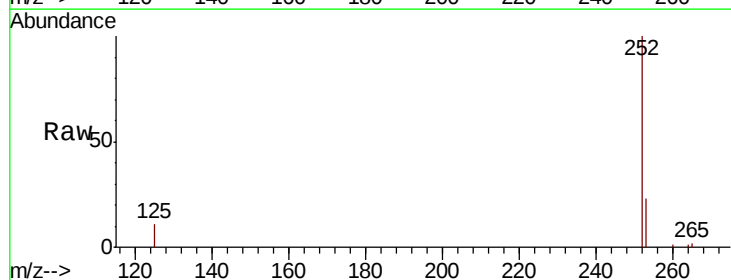
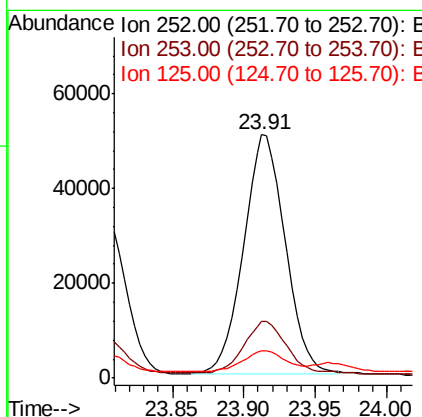
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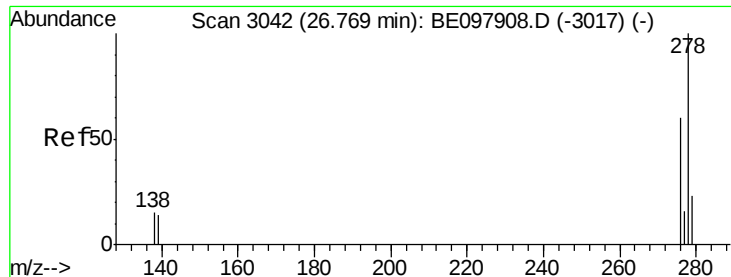
Sohil
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#37
Benzo(a)pyrene
Concen: 1.723 ng m
RT: 23.91 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.6	31.0
125	11.2	15.6	23.4#





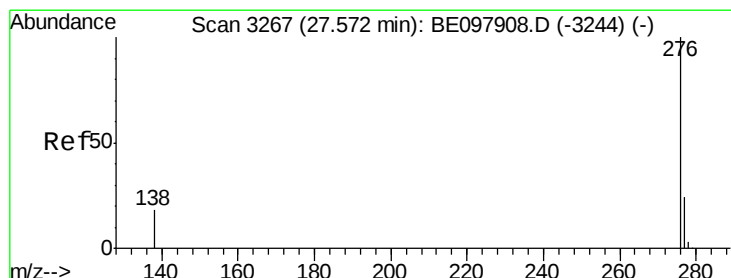
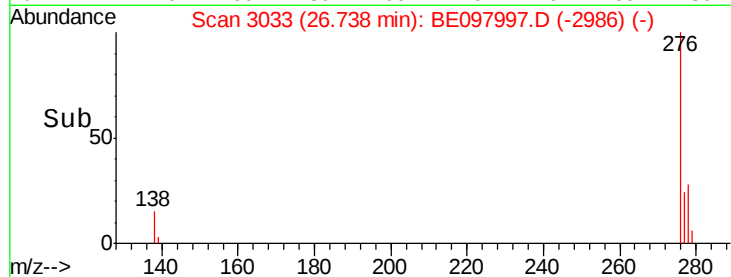
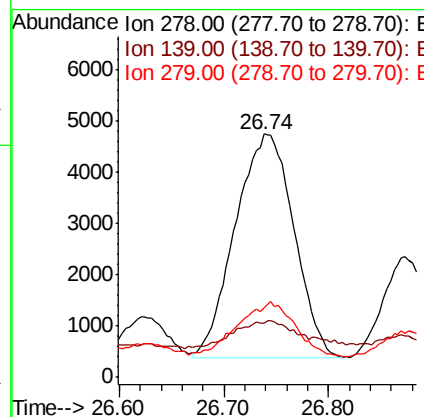
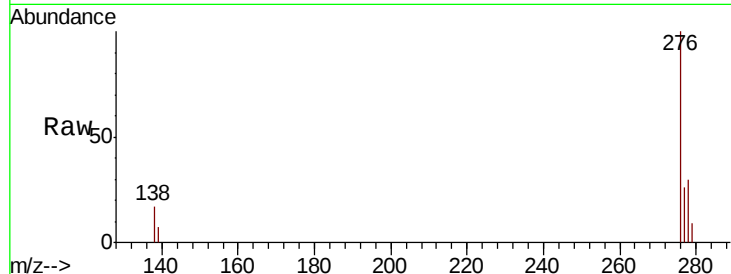
#38
Dibenzo(a,h)anthracene
Concen: 0.287 ng
RT: 26.74 min Scan# 3033
Delta R.T. -0.03 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Instrument :
BNA_E
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	16.3	24.5
279	28.4	21.4	32.2

Manual Integrations
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10/22/2018 5:06:11 PM



#39
Benzo(g,h,i)perylene
Concen: 0.960 ng
RT: 27.55 min Scan# 3262
Delta R.T. -0.02 min
Lab File: BE097997.D
Acq: 19 Oct 2018 18:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	22.1	33.1
138	17.7	19.3	28.9#

