

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012514.D
 Acq On : 28 Oct 2017 08:27
 Operator : SJ/JU
 Sample : I5786-03MSD 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-38(FILL)_100917MSD

Manual Integrations
 APPROVED

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Quant Time: Oct 30 07:00:26 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 30 05:30:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	550351	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1960691	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	1093190	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2398340	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2752186	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	3114335	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	11988	1.11	ng/uL	0.00
5) Phenol-d5	7.04	99	200601	4.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	123633	4.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	158866	4.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	162707	4.14	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	74199	6.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	77771	6.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	152905	4.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	50079	1.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	431937	4.52	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	553371	4.90	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	47307	3.33	ng/ul	0.00
57) Fluorene-d10	15.49	176	374829	4.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	30586	2.64	ng/ul	0.00
70) Anthracene-d10	17.34	188	574185	5.02	ng/ul	0.00
76) Pyrene-d10	19.63	212	629712	4.99	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	721226	4.87	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.06	94	275300	5.751	ng/ul# 81
10) 2-Chlorophenol	7.44	128	176062	4.996	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.67	70	114568	3.400	ng/ul# 66
33) 4-Chloro-3-methylphenol	11.95	107	161042	4.385	ng/ul 97
47) Acenaphthylene	14.22	152	325026	3.015	ng/ul 98
49) Acenaphthene	14.56	153	377898	5.117	ng/ul 98
52) 4-Nitrophenol	14.71	109	52784	3.665	ng/ul 81
54) 2,4-Dinitrotoluene	14.86	165	98411	4.377	ng/ul# 82
68) Pentachlorophenol	16.90	266	76921	4.426	ng/ul 99
69) Phenanthrene	17.29	178	1914102	14.758	ng/ul 99
71) Anthracene	17.37	178	578565	4.316	ng/ul 99
72) Carbazole	17.64	167	212339	1.912	ng/ul 99
74) Fluoranthene	19.30	202	4748728	32.312	ng/ul# 94
77) Pyrene	19.66	202	5125669	32.750	ng/ul# 91
80) Benzo(a)anthracene	21.40	228	3021023	18.331	ng/ul 97
81) Bis(2-ethylhexyl)phthalate	21.33	149	6408901	68.315	ng/ul 98
82) Chrysene	21.45	228	2734804	18.664	ng/ul 96
85) Benzo(b)fluoranthene	23.03	252	4630881	24.054	ng/ul# 97
86) Benzo(k)fluoranthene	23.07	252	1527477m	8.430	ng/ul
88) Benzo(a)pyrene	23.62	252	3246251	17.685	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	26.06	276	2724476	12.612	ng/ul# 96
90) Dibenzo(a,h)anthracene	26.06	278	719347	3.928	ng/ul# 85
91) Benzo(g,h,i)perylene	26.79	276	2163904	12.360	ng/ul# 96

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 30 05:30:34 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

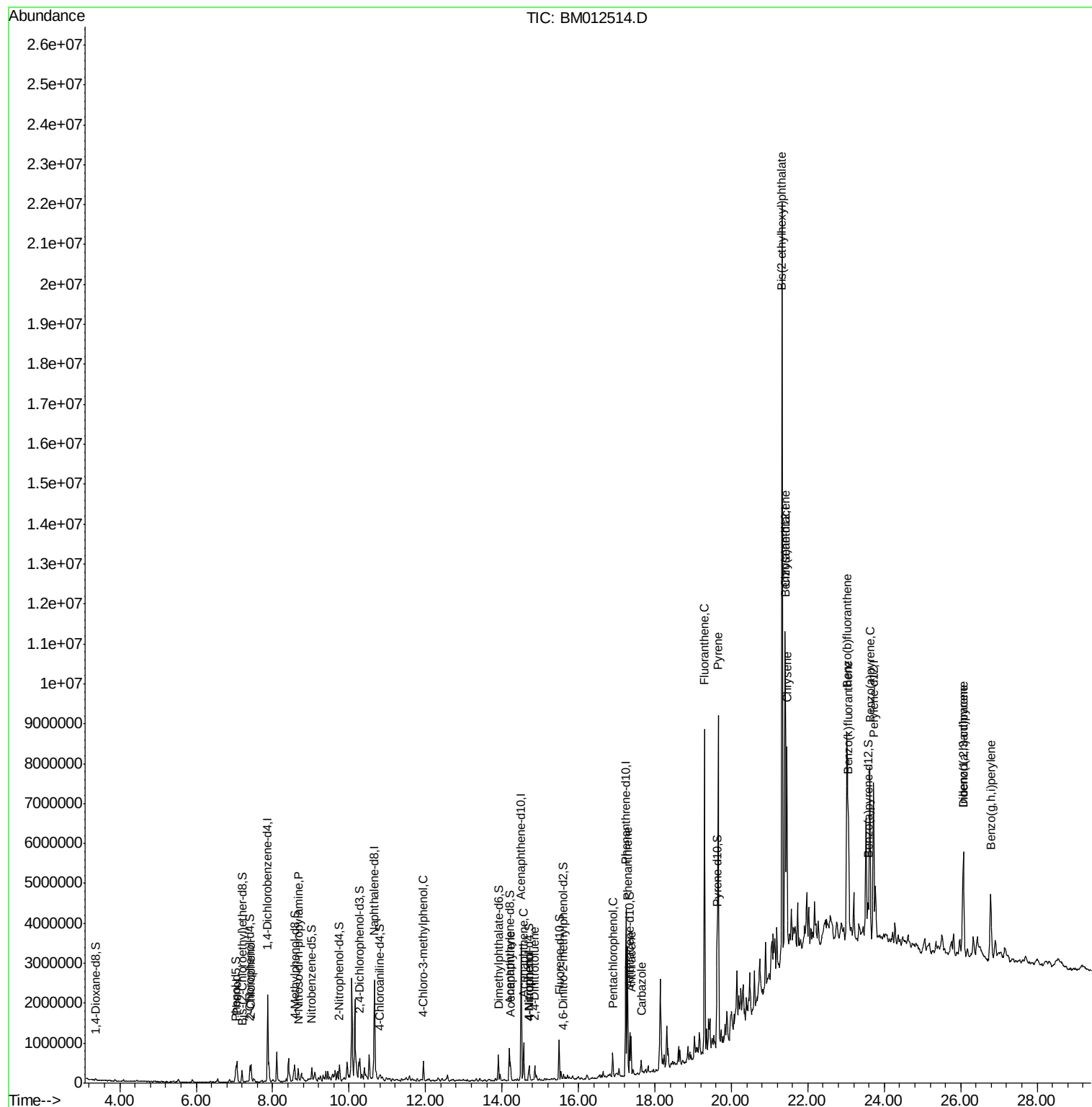
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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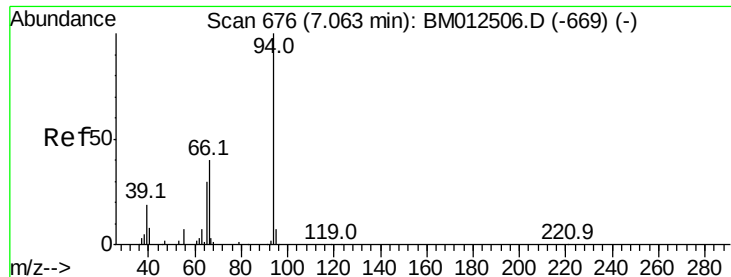
Instrument :
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#6

Phenol

Concen: 5.751 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM012514.D

Acq: 28 Oct 2017 08:27

Instrument :

BNA_M

ClientSampleId :

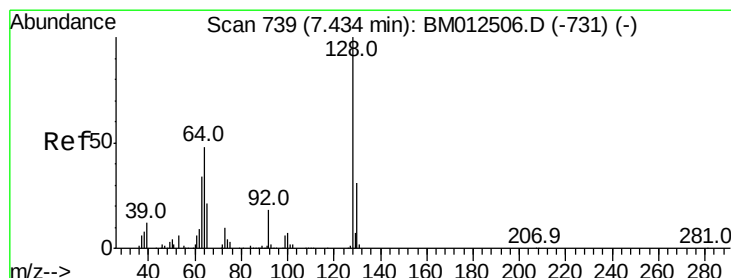
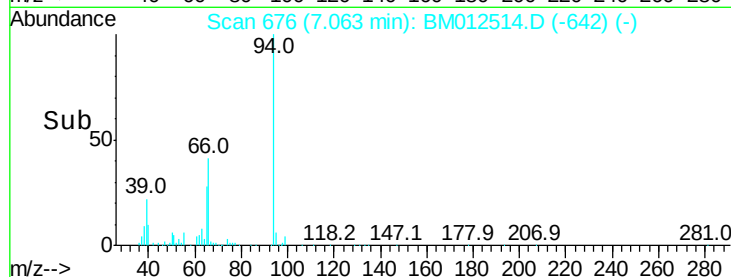
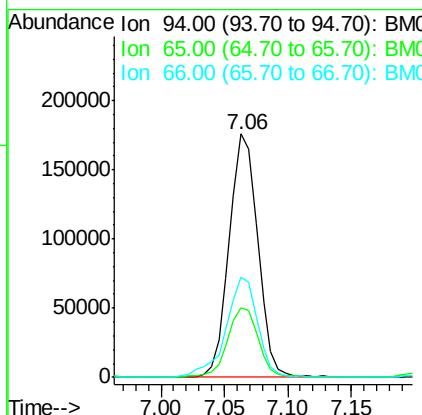
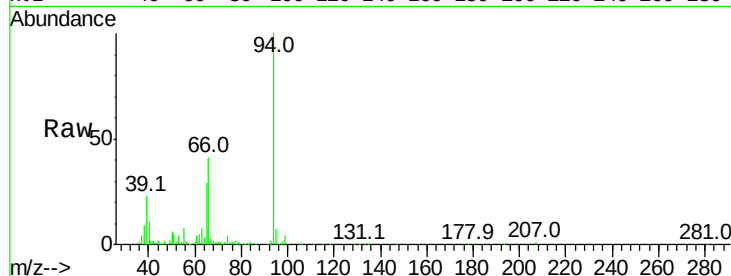
B-38(FILL)_100917MSD

Tot Ion: 94 Resp: 275300

Ion	Ratio	Lower	Upper
94	100		
65	28.8	28.2	42.4
66	41.0	47.2	70.8

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#10

2-Chlorophenol

Concen: 4.996 ng/ul

RT: 7.44 min Scan# 740

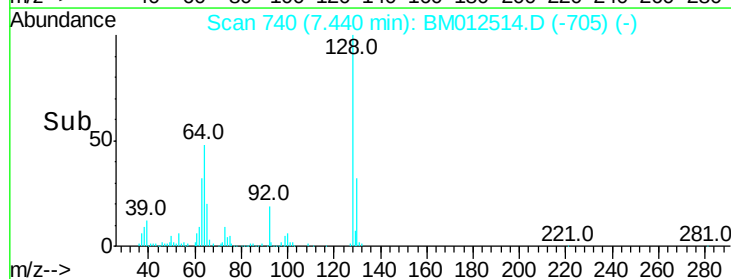
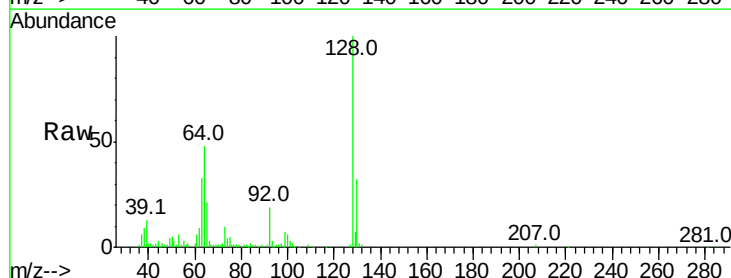
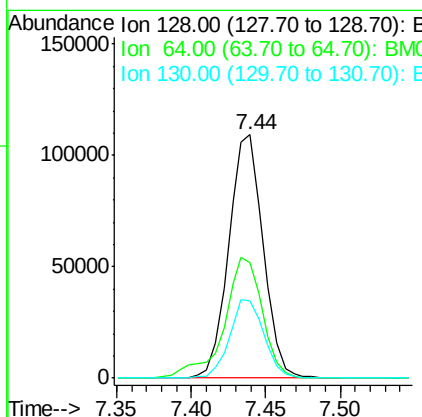
Delta R.T. 0.01 min

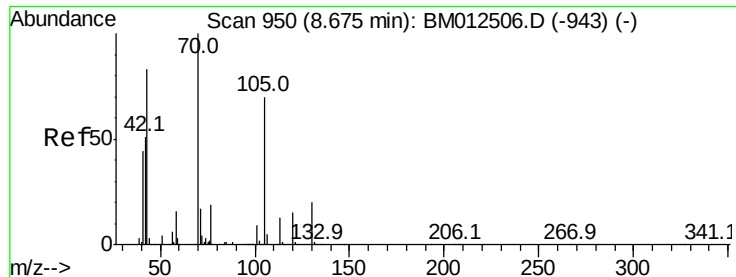
Lab File: BM012514.D

Acq: 28 Oct 2017 08:27

Tgt Ion: 128 Resp: 176062

Ion	Ratio	Lower	Upper
128	100		
64	47.6	38.0	57.0
130	32.0	24.4	36.6





#15

N-Nitroso-di-n-propylamine

Concen: 3.400 ng/ul

RT: 8.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BM012514.D

Acq: 28 Oct 2017 08:27

Instrument :

BNA_M

ClientSampleId :

B-38(FILL)_100917MSD

Tot Ion: 70 Resp: 114568

Ion Ratio Lower Upper

70 100

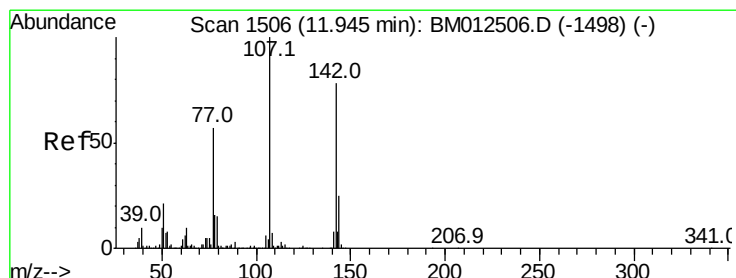
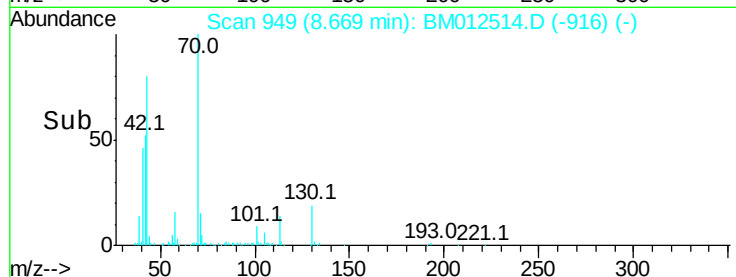
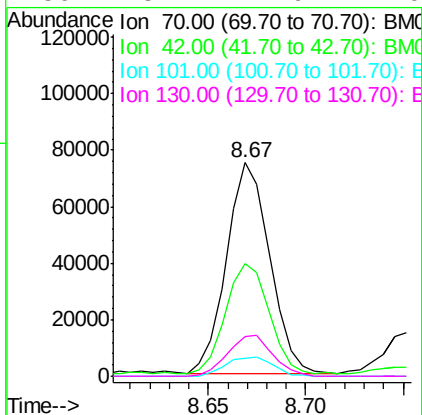
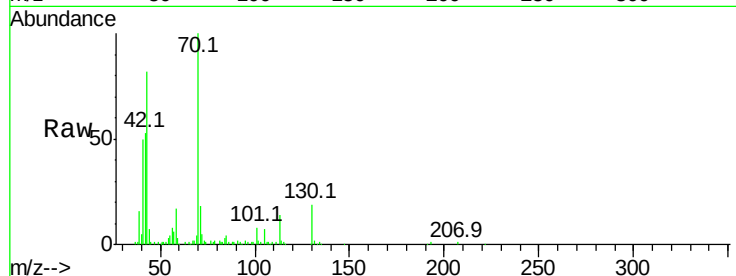
42 52.8 76.0 114.0#

101 8.4 6.7 10.1

130 18.7 14.6 22.0

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#33

4-Chloro-3-methylphenol

Concen: 4.385 ng/ul

RT: 11.95 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BM012514.D

Acq: 28 Oct 2017 08:27

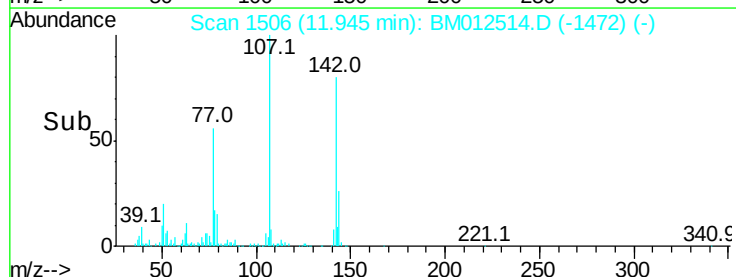
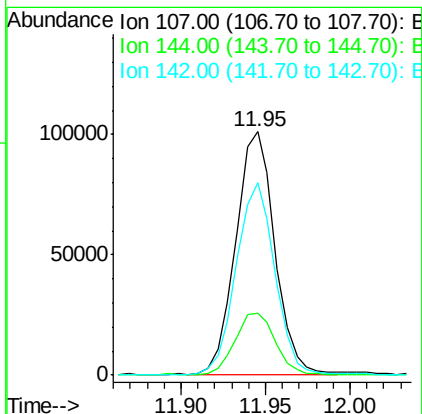
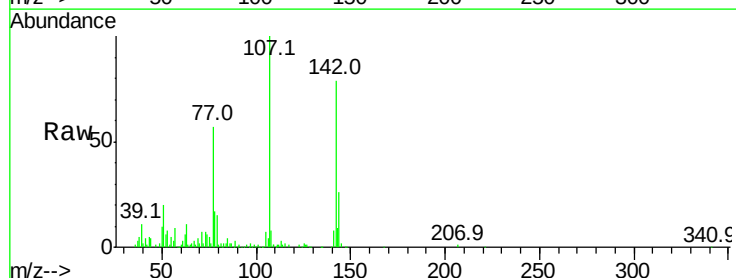
Tgt Ion:107 Resp: 161042

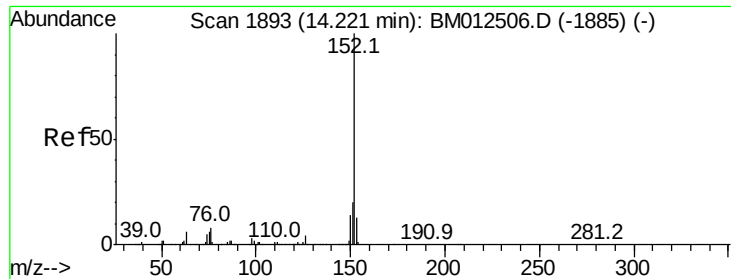
Ion Ratio Lower Upper

107 100

144 25.5 20.4 30.6

142 79.1 60.5 90.7





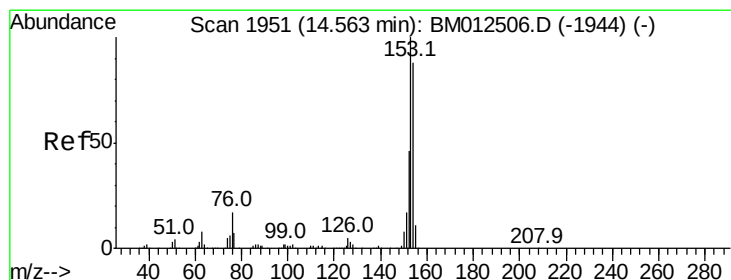
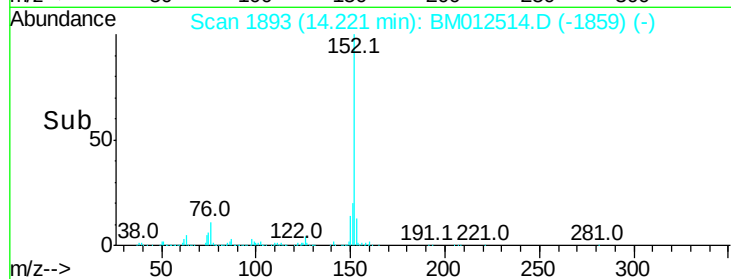
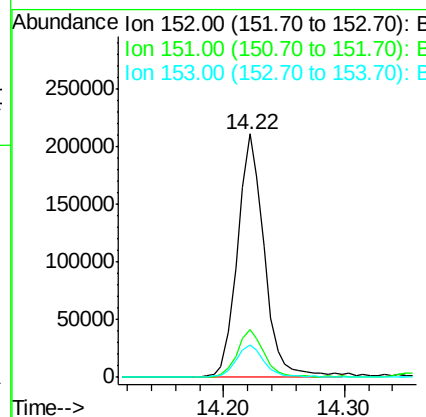
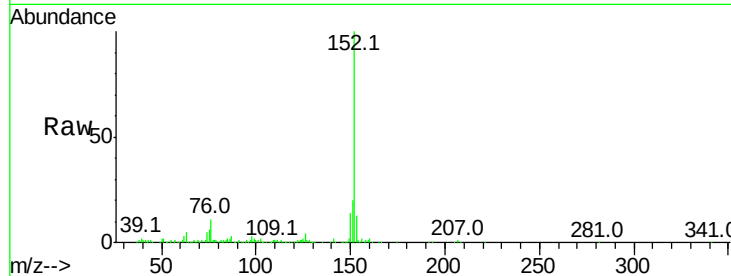
#47
Acenaphthylene
Concen: 3.015 ng/ul
RT: 14.22 min Scan# 1893
Delta R.T. 0.00 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Instrument :
BNA_M
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B-38(FILL)_100917MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.5	10.2	15.4

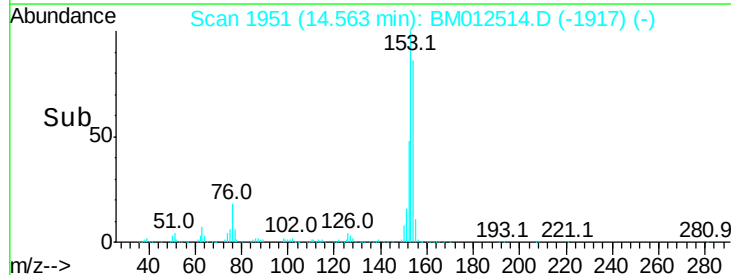
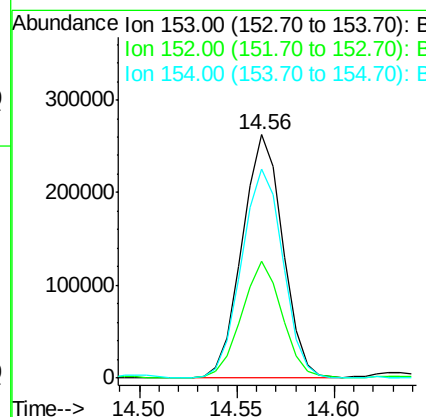
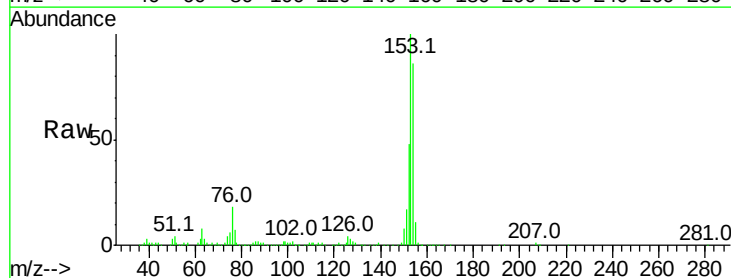
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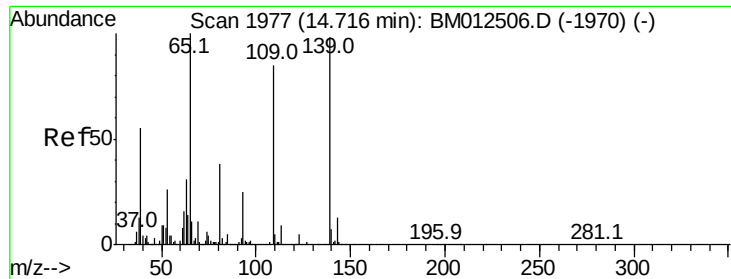
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#49
Acenaphthene
Concen: 5.117 ng/ul
RT: 14.56 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.3	37.6	56.4
154	85.8	70.4	105.6





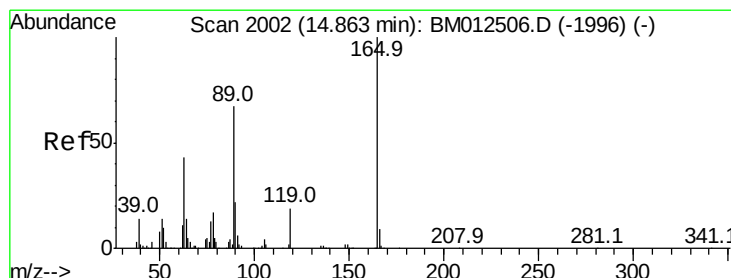
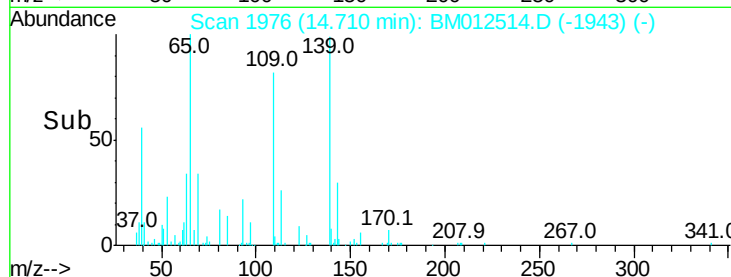
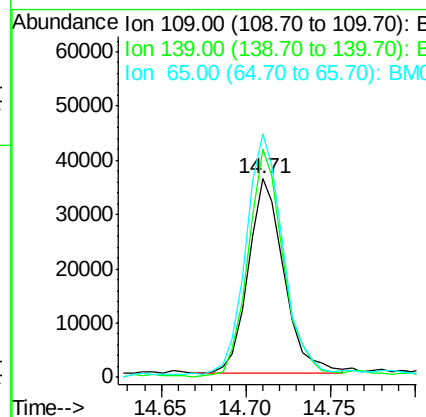
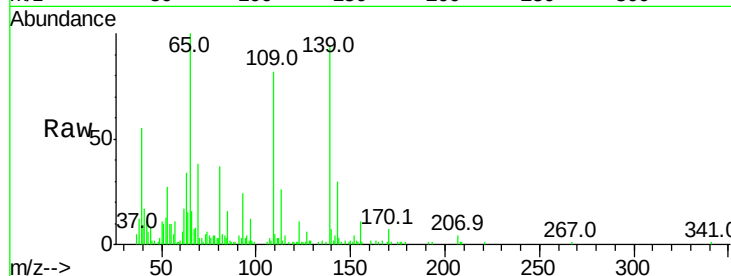
#52
4-Nitrophenol
Concen: 3.665 ng/ul
RT: 14.71 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
109	100		
139	115.0	80.0	120.0
65	122.7	120.0	180.0

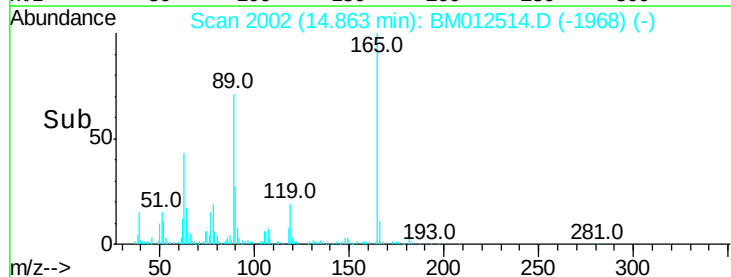
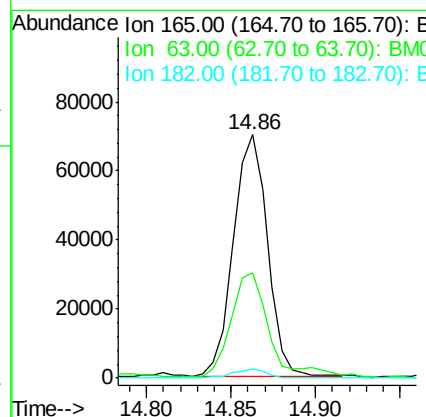
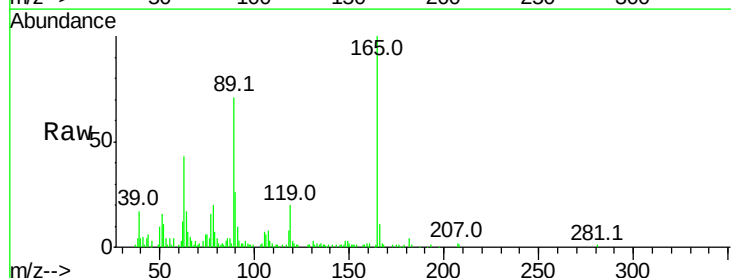
Manual Integrations
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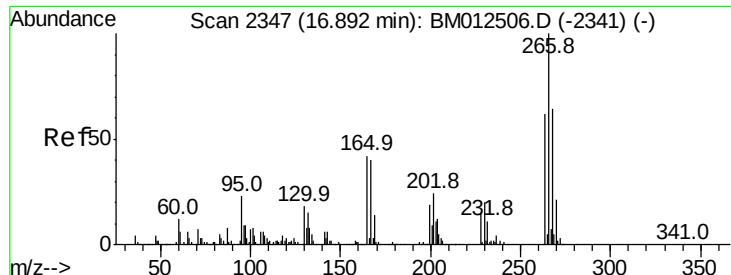
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#54
2,4-Dinitrotoluene
Concen: 4.377 ng/ul
RT: 14.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.3	45.8	68.8#
182	4.0	2.6	4.0





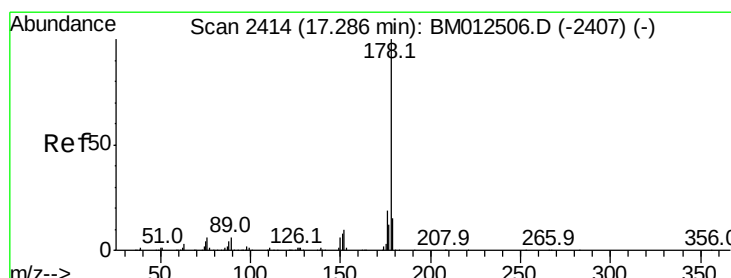
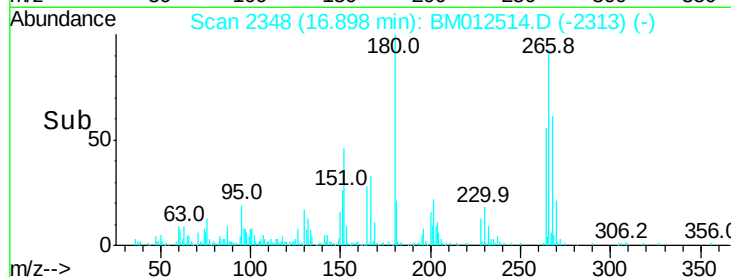
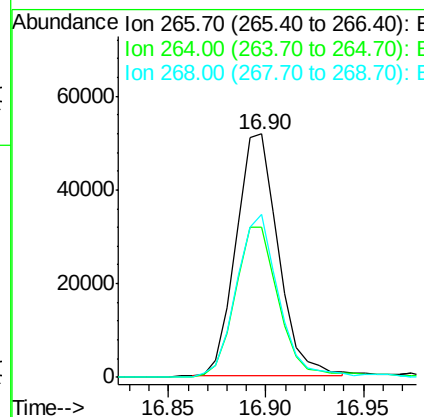
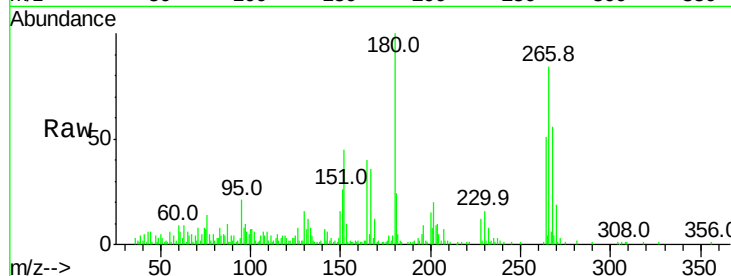
#68
 Pentachlorophenol
 Concen: 4.426 ng/ul
 RT: 16.90 min Scan# 2348
 Delta R.T. 0.01 min
 Lab File: BM012514.D
 Acq: 28 Oct 2017 08:27

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
266	100	76921		
264	61.5	49.3	73.9	
268	66.8	52.6	78.8	

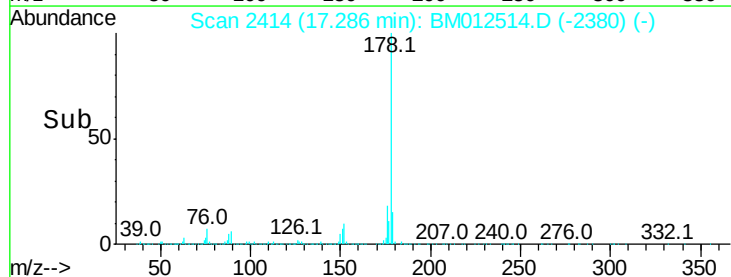
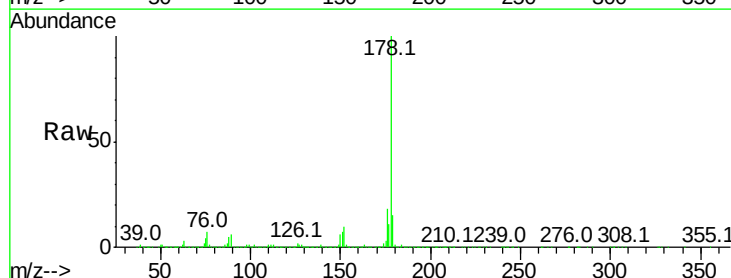
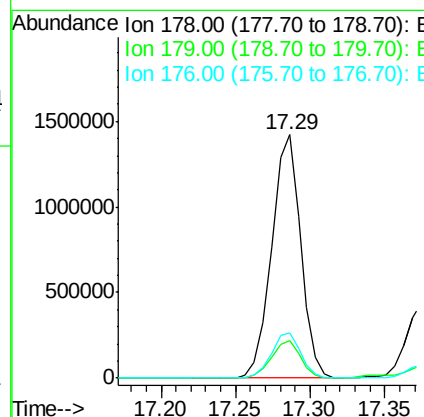
Manual Integrations
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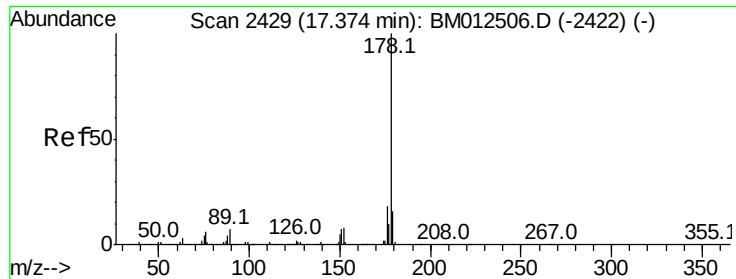
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#69
 Phenanthrene
 Concen: 14.758 ng/ul
 RT: 17.29 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BM012514.D
 Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1914102		
179	15.3	12.6	19.0	
176	18.4	14.9	22.3	





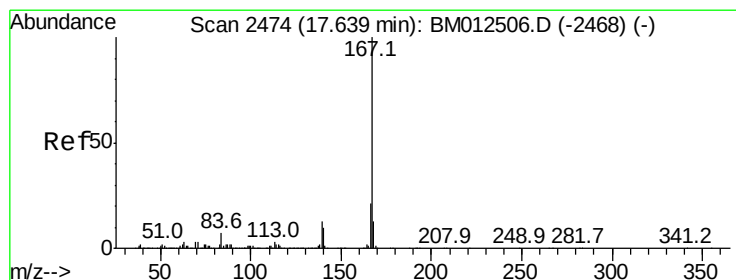
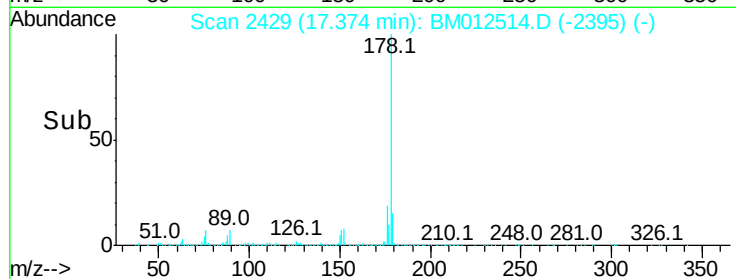
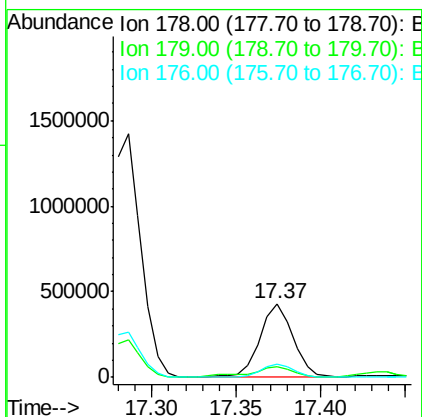
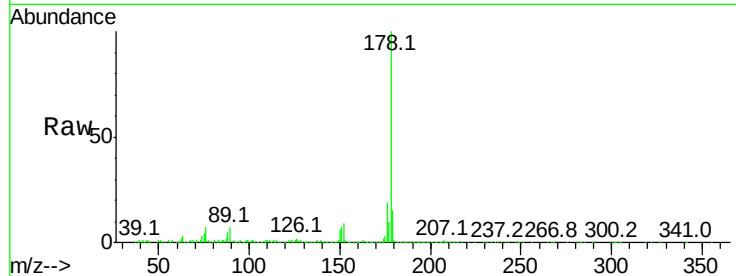
#71
 Anthracene
 Concen: 4.316 ng/ul
 RT: 17.37 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: BM012514.D
 Acq: 28 Oct 2017 08:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.7	17.5
176	18.7	14.6	21.8

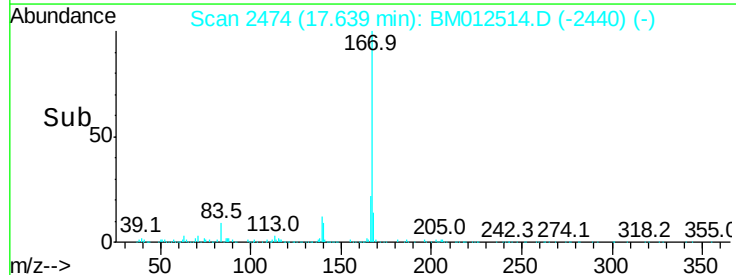
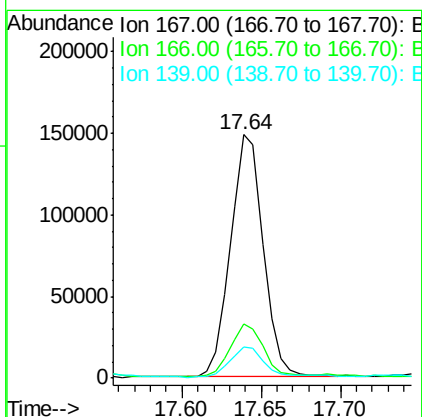
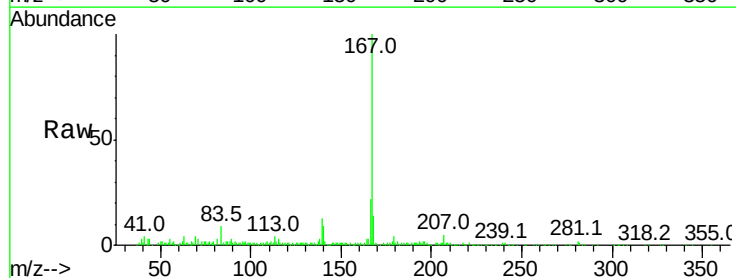
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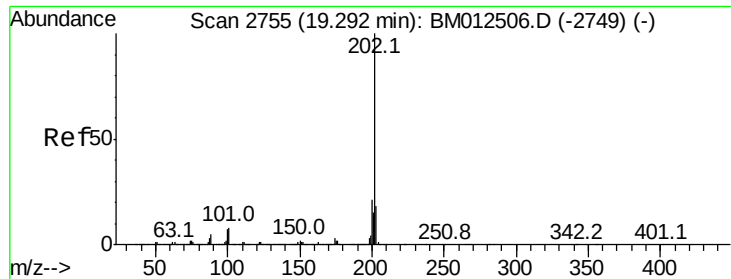
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#72
 Carbazole
 Concen: 1.912 ng/ul
 RT: 17.64 min Scan# 2474
 Delta R.T. 0.00 min
 Lab File: BM012514.D
 Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.1	25.7
139	12.9	10.0	15.0





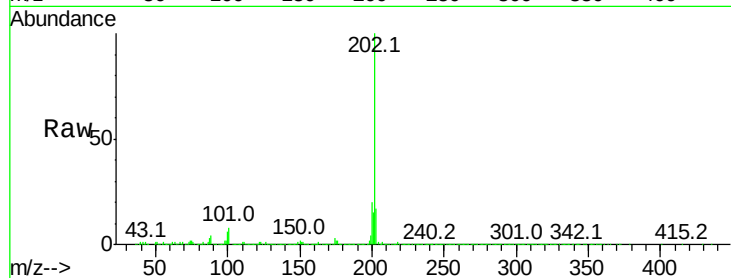
#74
Fluoranthene
Concen: 32.312 ng/ul
RT: 19.30 min Scan# 2756
Delta R.T. 0.01 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Instrument :
BNA_M
ClientSampleId :
B-38(FILL)_100917MSD

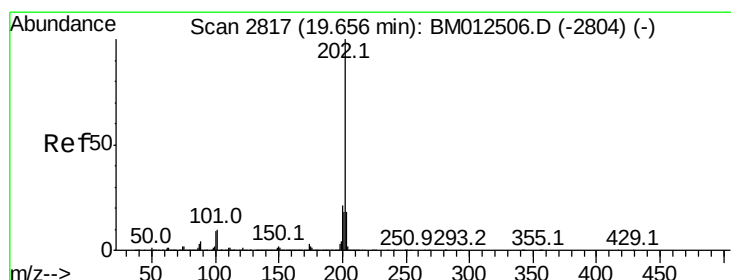
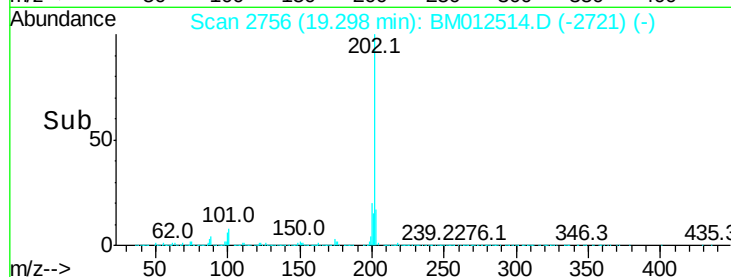
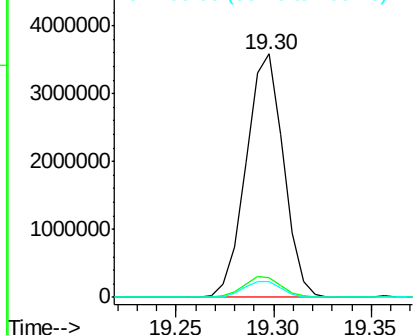
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.0	4.6	7.0#
100	6.4	3.4	5.2#

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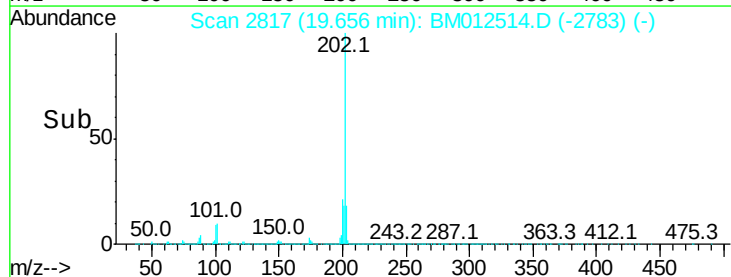
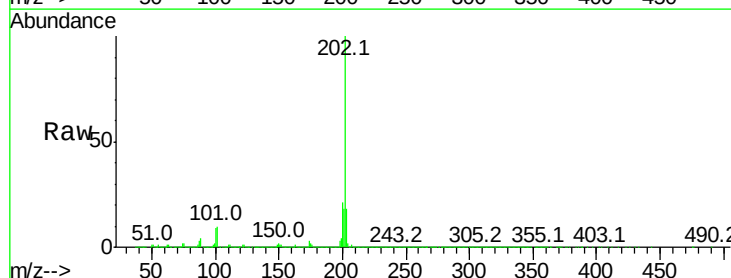
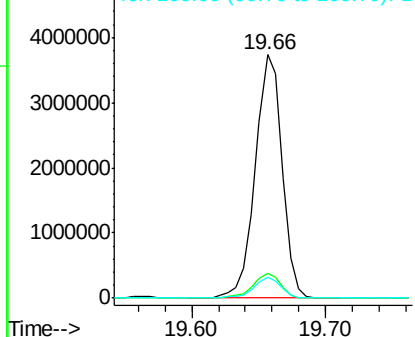
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

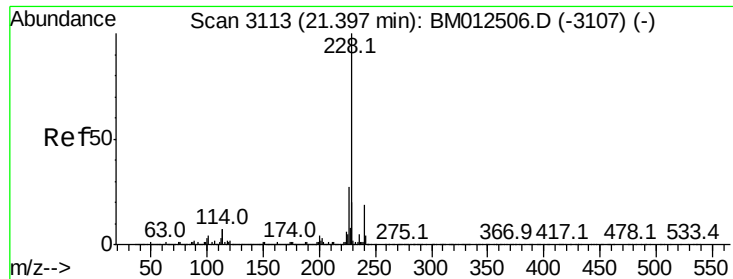


#77
Pyrene
Concen: 32.750 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. 0.00 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	5.1	7.7#
100	8.6	4.9	7.3#

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 18.331 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM012514.D

Acq: 28 Oct 2017 08:27

Instrument :

BNA_M

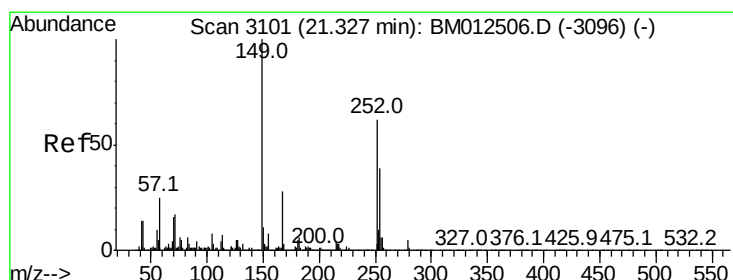
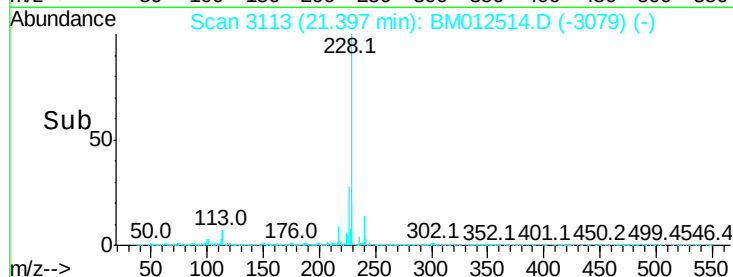
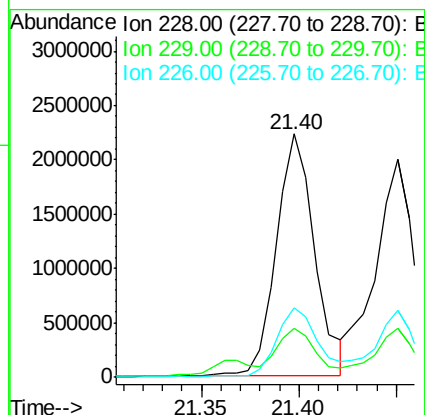
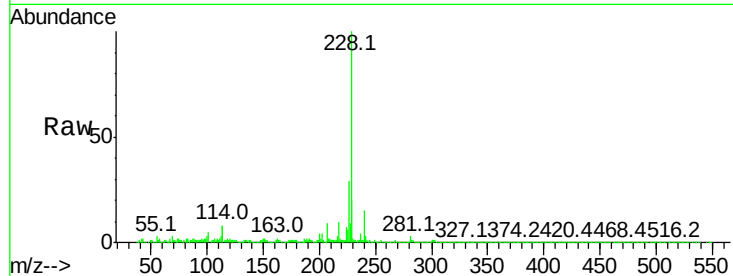
ClientSampleId :

B-38(FILL)_100917MSD

Tot Ion:	228	Resp:	3021023
Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.0
226	28.7	21.4	32.0

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#81

Bis(2-ethylhexyl)phthalate

Concen: 68.315 ng/ul

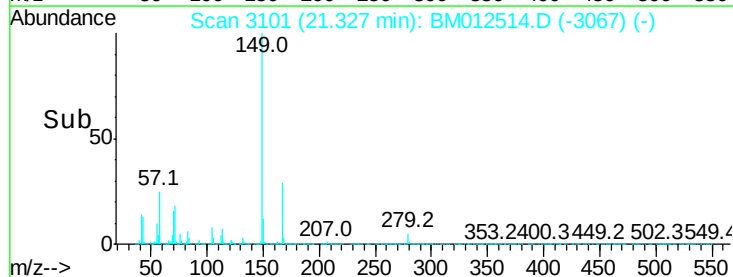
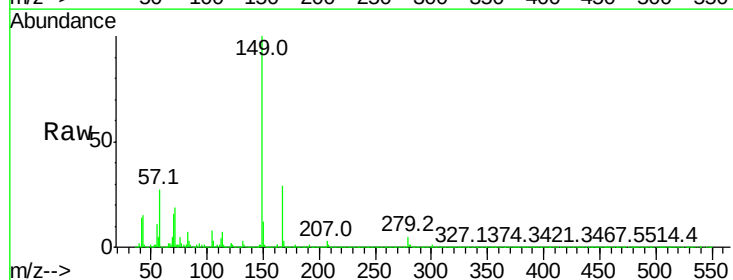
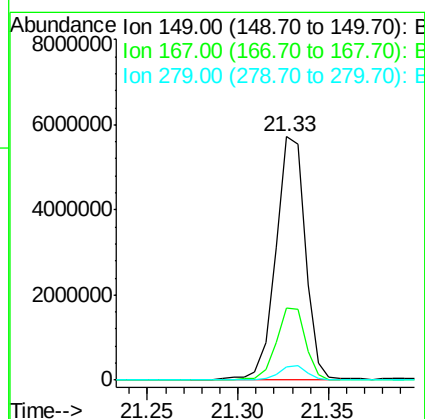
RT: 21.33 min Scan# 3101

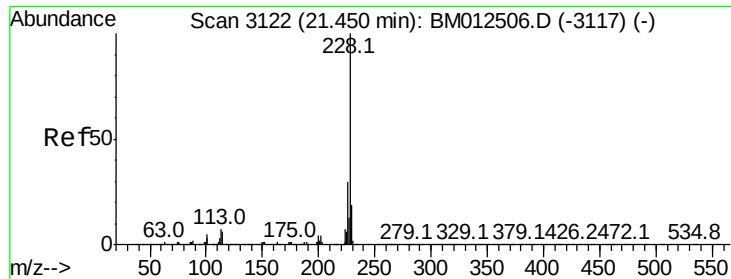
Delta R.T. 0.00 min

Lab File: BM012514.D

Acq: 28 Oct 2017 08:27

Tgt Ion:	149	Resp:	6408901
Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.8	34.2
279	5.2	4.9	7.3





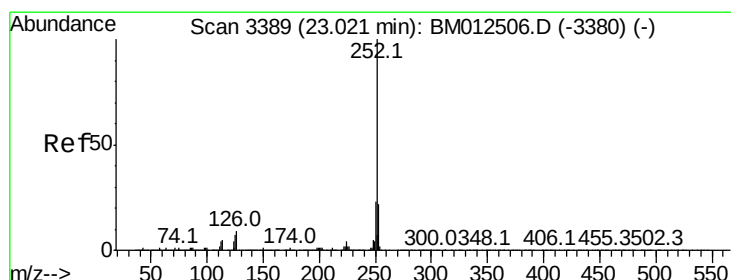
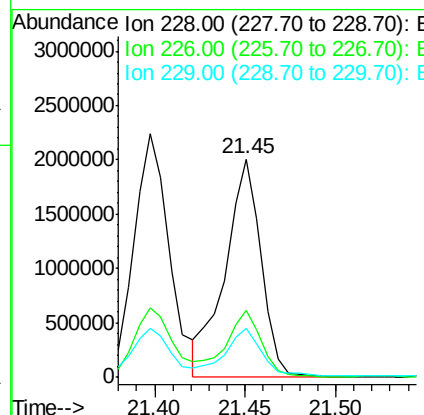
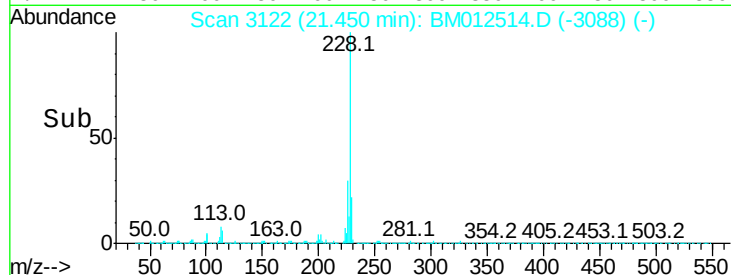
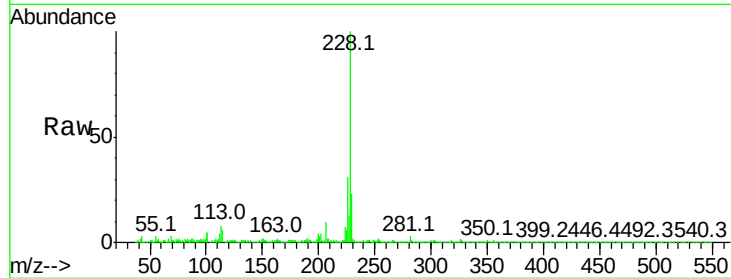
#82
Chrysene
Concen: 18.664 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Instrument :
BNA_M
ClientSampleId :
B-38(FILL)_100917MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	22.7	15.5	23.3

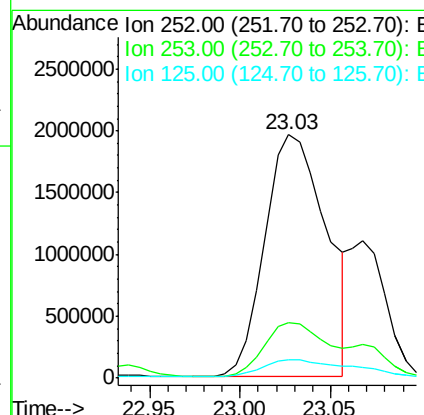
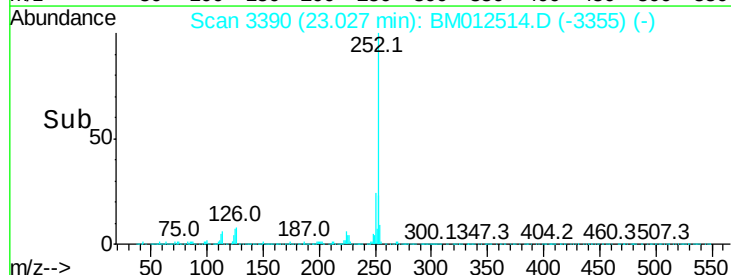
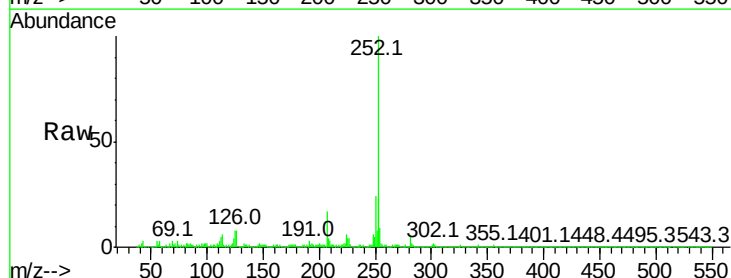
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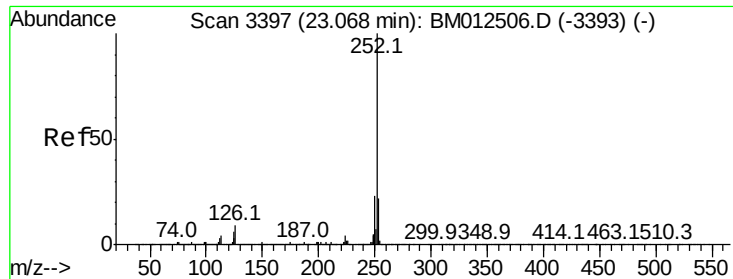
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#85
Benzo(b)fluoranthene
Concen: 24.054 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	7.6	3.6	5.4





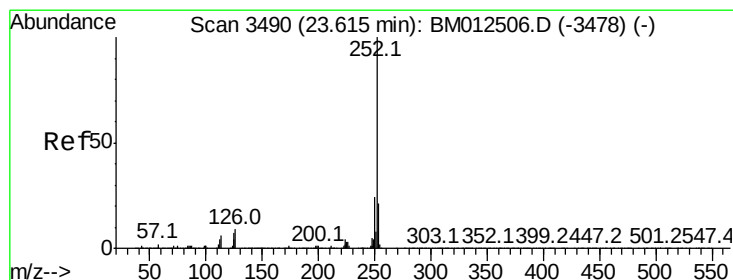
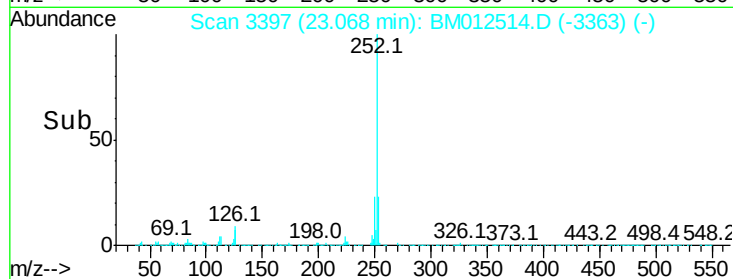
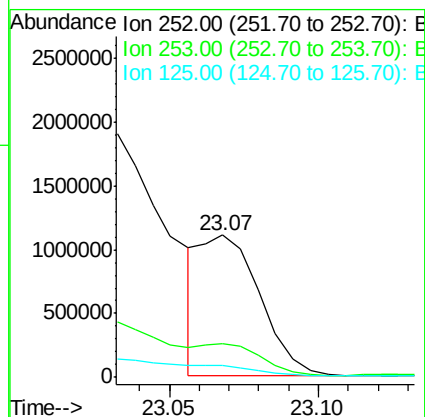
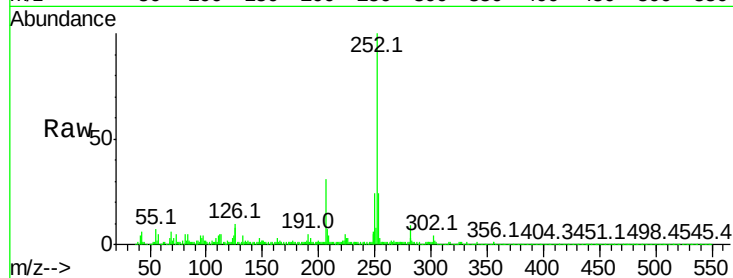
#86
Benzo(k)fluoranthene
Concen: 8.430 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Instrument :
BNA_M
ClientSampleId :
B-38(FILL)_100917MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	8.0	3.4	5.2

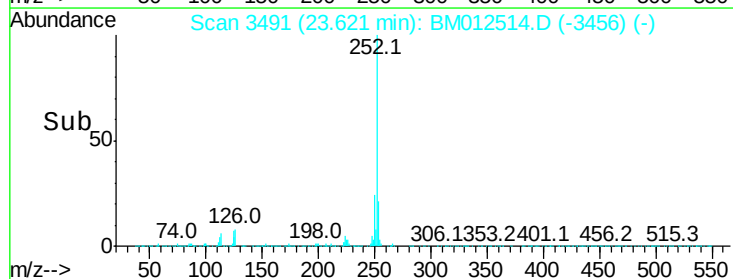
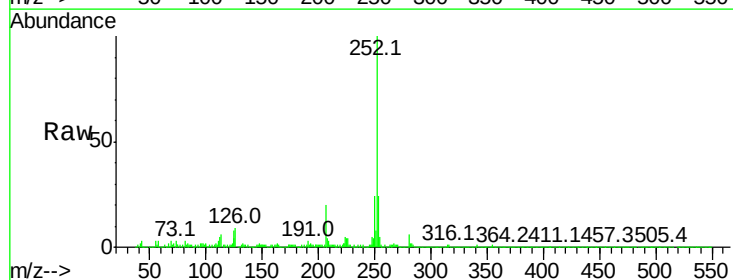
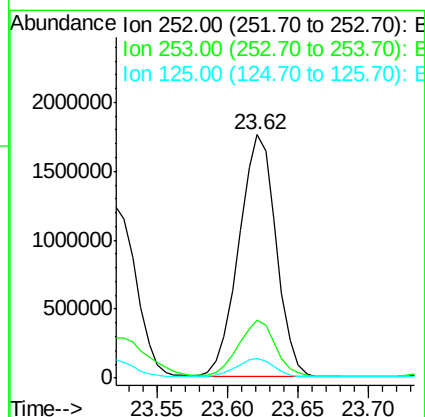
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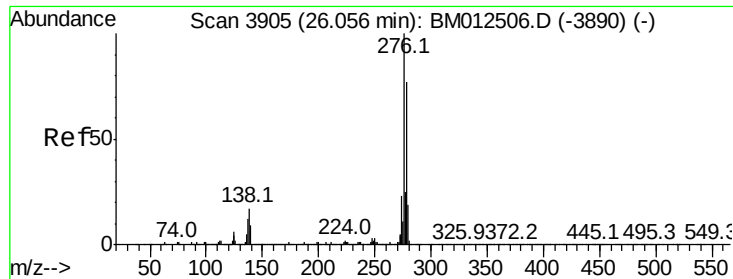
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#88
Benzo(a)pyrene
Concen: 17.685 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	8.0	4.0	6.0





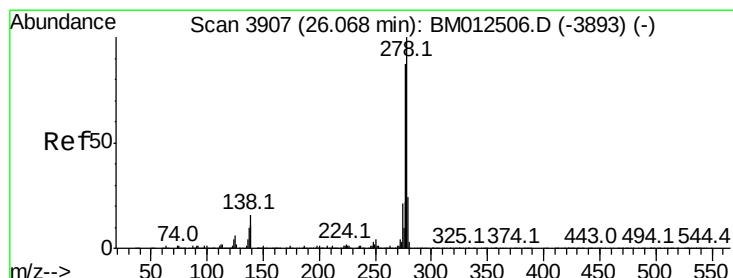
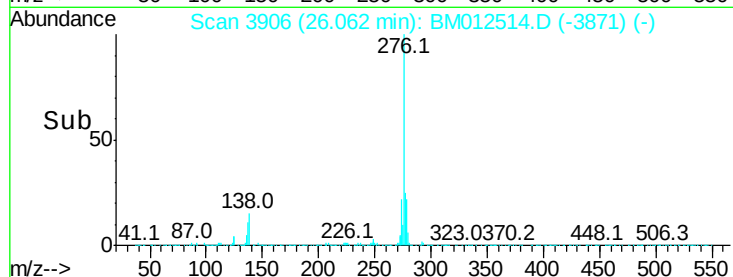
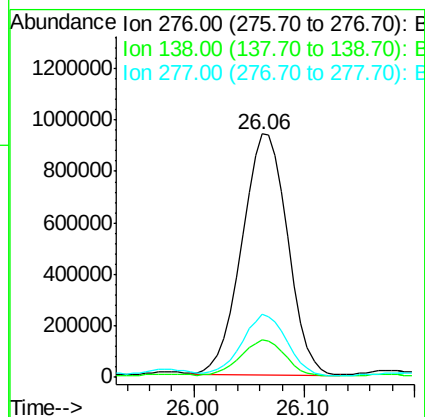
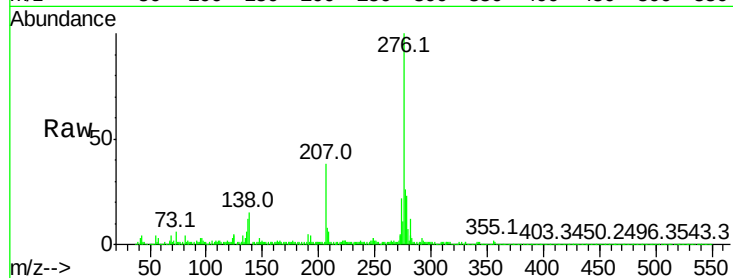
#89
Indeno(1,2,3-cd)pyrene
Concen: 12.612 ng/ul
RT: 26.06 min Scan# 3906
Delta R.T. 0.01 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Instrument :
BNA_M
ClientSampleId :
B-38(FILL)_100917MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	9.3	13.9#
277	25.7	19.9	29.9

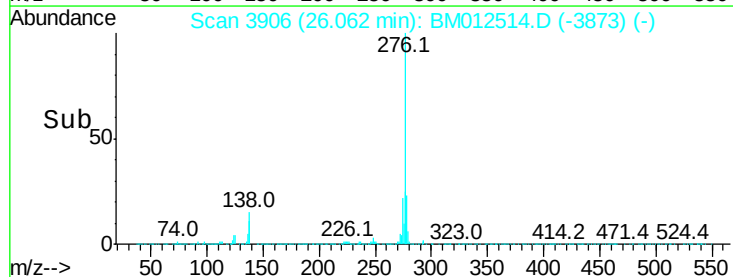
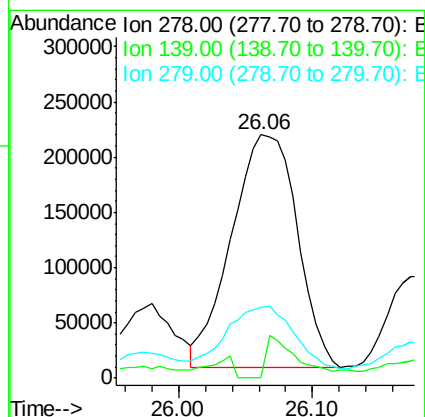
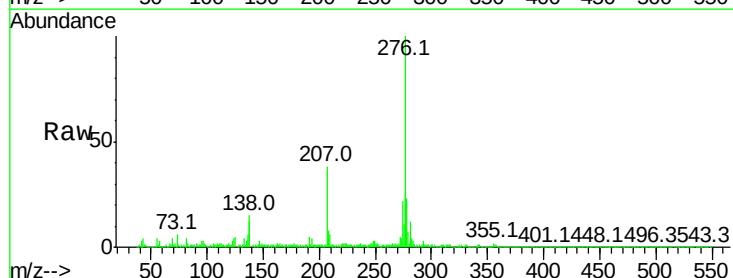
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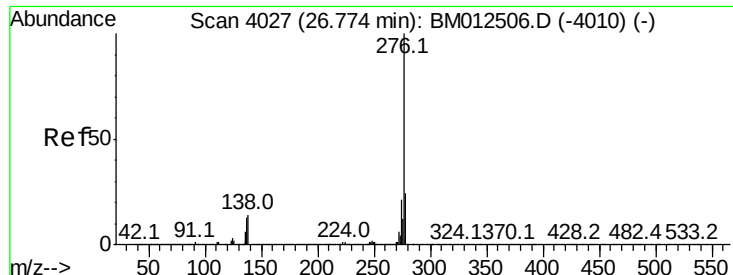
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#90
Dibenzo(a,h)anthracene
Concen: 3.928 ng/ul
RT: 26.06 min Scan# 3906
Delta R.T. -0.01 min
Lab File: BM012514.D
Acq: 28 Oct 2017 08:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	29.3	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 12.360 ng/ul

RT: 26.79 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BM012514.D

Acq: 28 Oct 2017 08:27

Instrument :

BNA_M

ClientSampleId :

B-38(FILL)_100917MSD

Tot Ion:276 Resp: 2163904

Ion Ratio Lower Upper

276 100

138 14.6 8.5 12.7#

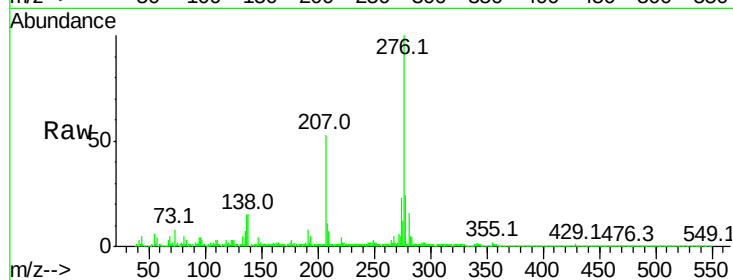
277 23.9 18.6 28.0

Manual Integrations

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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

