

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013510.D
 Acq On : 19 Dec 2017 12:35
 Operator : SJ/JU
 Sample : I6775-07ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A10ME

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:49:29 PM

Quant Time: Dec 20 10:40:18 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	153083	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	671635	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	417320	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	954055	20.00	ng/ul	0.01
75) Chrysene-d12	21.26	240	931724	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	772947	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	9724m	3.15	ng/uL	0.00
5) Phenol-d5	6.85	99	230308	17.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	147244	19.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	191776	18.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	206980	18.29	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	108873	20.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	117075	20.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	215369	18.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	284958	26.39	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	730222	19.66	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	883932	19.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	91047	14.11	ng/ul	0.00
57) Fluorene-d10	15.32	176	626870	19.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	67727	11.28	ng/ul	0.02
70) Anthracene-d10	17.17	188	976788	20.44	ng/ul	0.01
76) Pyrene-d10	19.47	212	1070143	23.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	781767	19.86	ng/ul	0.00

Target Compounds

					Ovalue
16) 4-Methylphenol	8.45	108	13387	1.236	ng/ul# 75
24) 2,4-Dimethylphenol	9.64	107	56567m	4.389	ng/ul
28) Naphthalene	10.51	128	19494073m	564.149	ng/ul
34) 2-Methylnaphthalene	12.12	142	2947549	113.473	ng/ul 94
40) 1,1'-Biphenyl	13.15	154	1049774	29.764	ng/ul 97
47) Acenaphthylene	14.03	152	291228	6.867	ng/ul# 95
49) Acenaphthene	14.39	153	6123877	211.975	ng/ul 98
53) Dibenzofuran	14.72	168	5491295	128.756	ng/ul 100
55) 2,3,4,6-Tetrachlorophenol	14.95	232	27621	3.021	ng/ul# 77
58) Fluorene	15.37	166	5815447	164.827	ng/ul 99
68) Pentachlorophenol	16.73	266	1067357	149.210	ng/ul 97
69) Phenanthrene	17.12	178	21933239m	404.660	ng/ul
71) Anthracene	17.21	178	3129638	56.489	ng/ul 99
72) Carbazole	17.47	167	1756068	36.850	ng/ul 100
74) Fluoranthene	19.14	202	15541013	233.971	ng/ul# 82
77) Pyrene	19.50	202	11968078	211.432	ng/ul# 88
80) Benzo(a)anthracene	21.24	228	2394207	40.500	ng/ul 98
82) Chrysene	21.30	228	1976489	36.038	ng/ul 98
85) Benzo(b)fluoranthene	22.81	252	1088453	20.889	ng/ul# 97
86) Benzo(k)fluoranthene	22.86	252	258181m	5.265	ng/ul
88) Benzo(a)pyrene	23.39	252	504560	10.780	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	25.71	276	124588	2.683	ng/ul# 92
90) Dibenzo(a,h)anthracene	25.71	278	41951	1.061	ng/ul# 89

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Sample : I6775-07ME
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Manual Integrations
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Sohil
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Quant Time: Dec 20 10:40:18 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.40	276	77240	2.108	ng/ul#	84

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

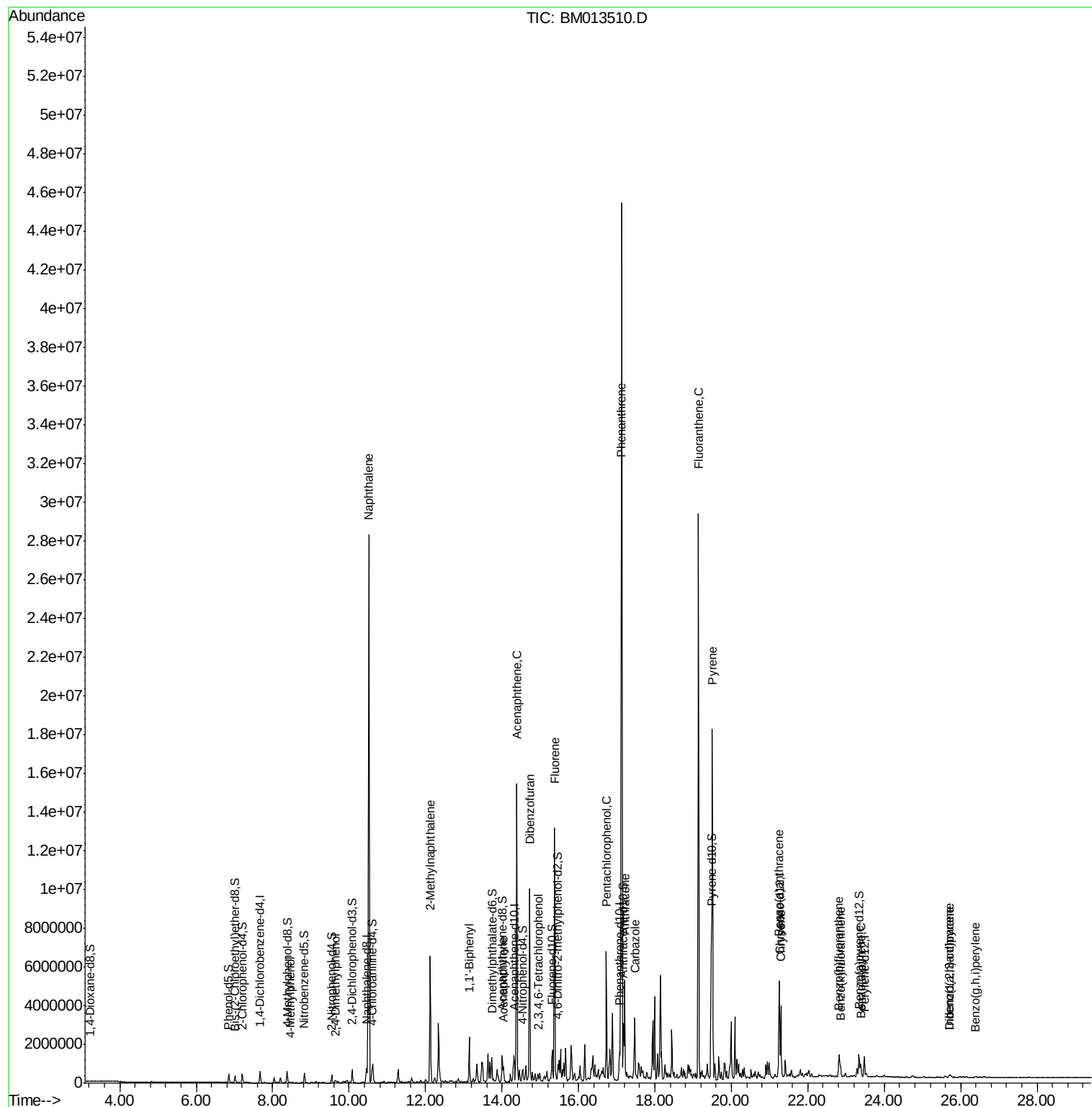
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013510.D
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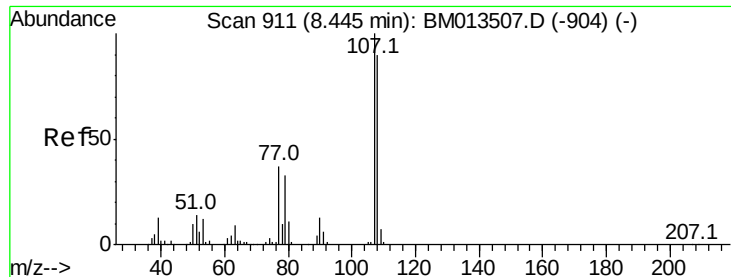
Instrument :
BNA_M
ClientSampleId :
F9A10ME

Manual Integrations
APPROVED

Sohil
12/20/2017 3:49:29 PM

Quant Time: Dec 20 10:40:18 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration





#16

4-Methylphenol

Concen: 1.236 ng/ul

RT: 8.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Instrument :

BNA_M

ClientSampleId :

F9A10ME

Tot Ion:108 Resp: 13387

Ion Ratio Lower Upper

108 100

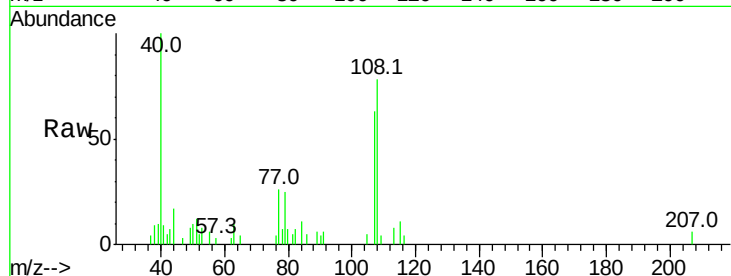
107 80.7 84.9 127.3#

Manual Integrations

APPROVED

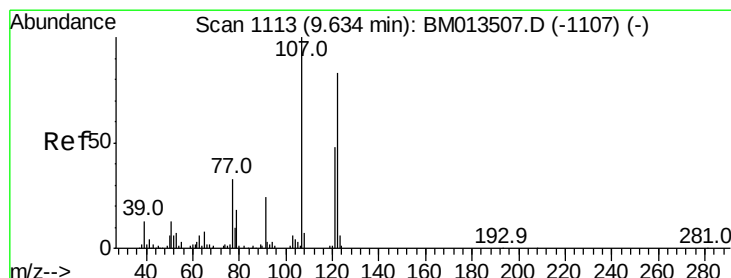
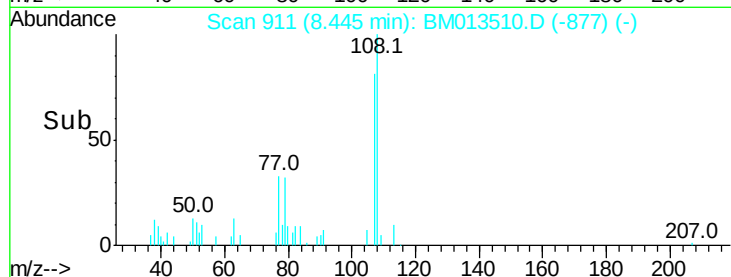
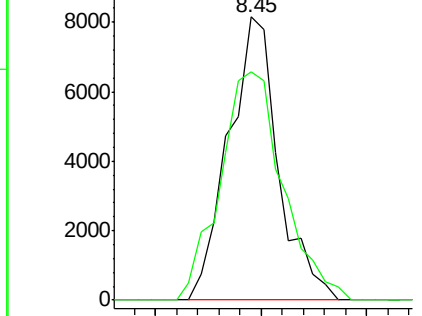
Sohil

12/20/2017 3:49:29 PM



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 4.389 ng/ul m

RT: 9.64 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

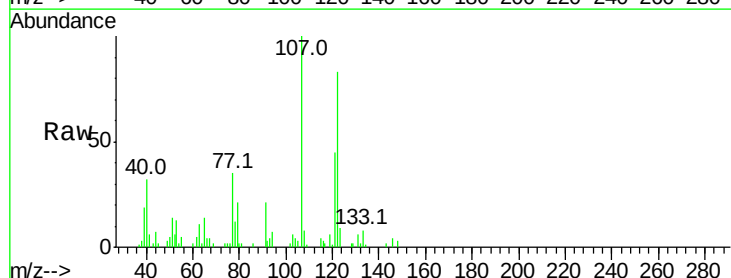
Tgt Ion:107 Resp: 56567

Ion Ratio Lower Upper

107 100

121 45.3 31.9 47.9

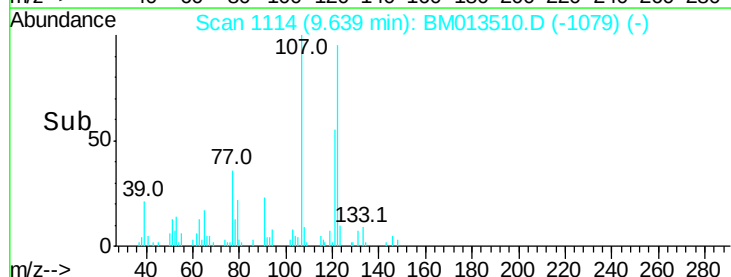
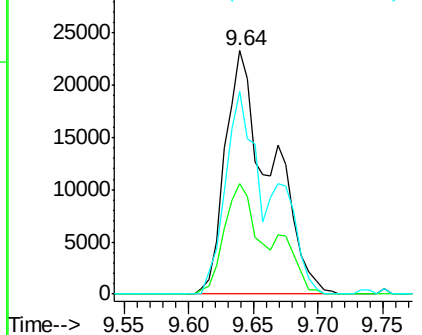
122 83.2 57.8 86.6

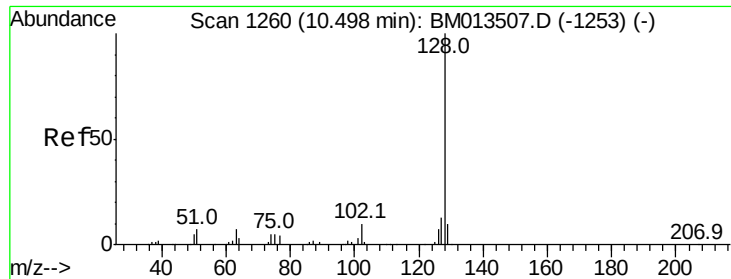


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





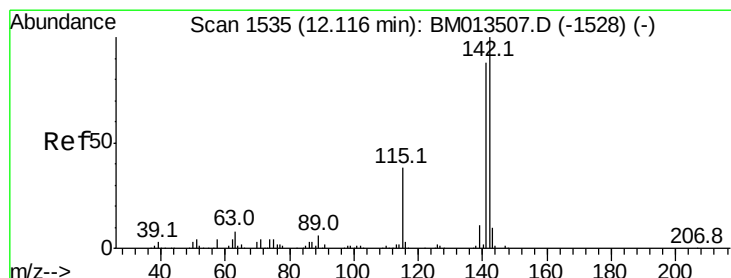
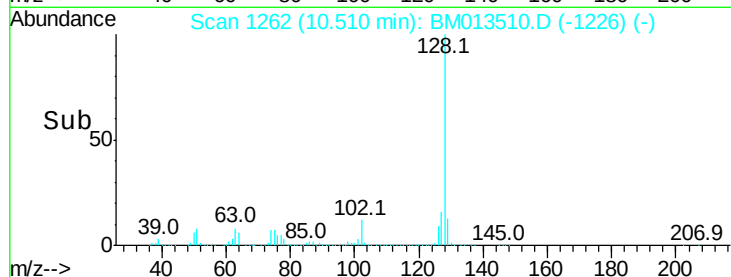
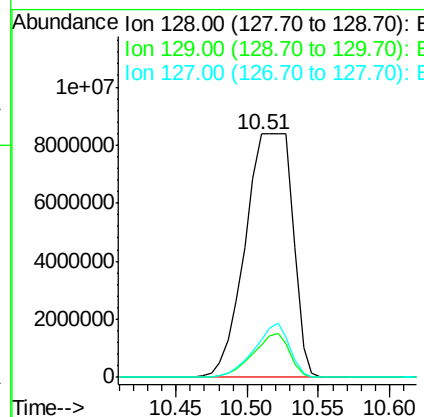
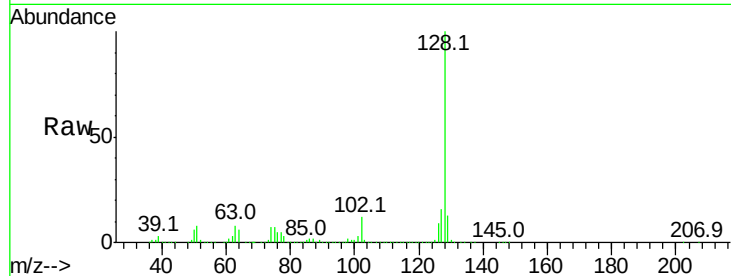
#28
Naphthalene
Concen: 564.149 ng/ul m
RT: 10.51 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BM013510.D
Acq: 19 Dec 2017 12:35

Instrument :
BNA_M
ClientSampleId :
F9A10ME

Tot Ion:128 Resp:19494073
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 15.7 10.6 16.0

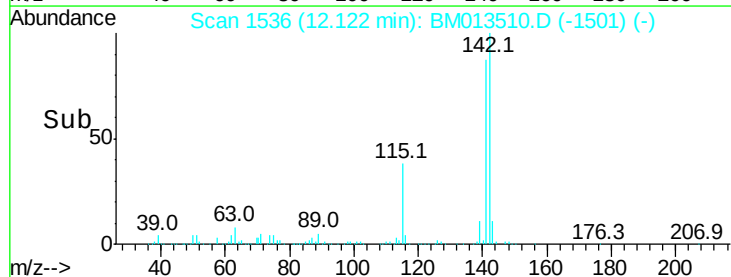
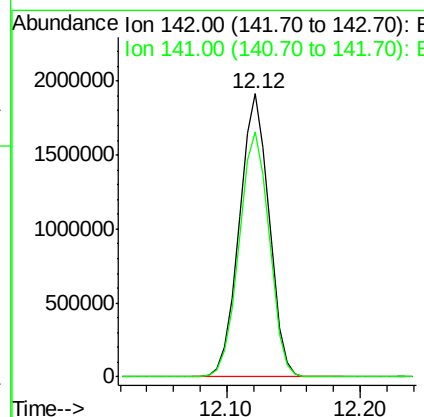
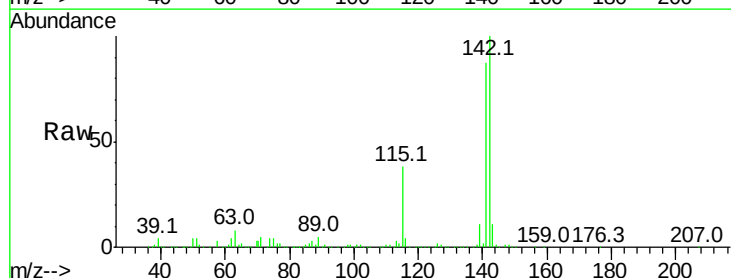
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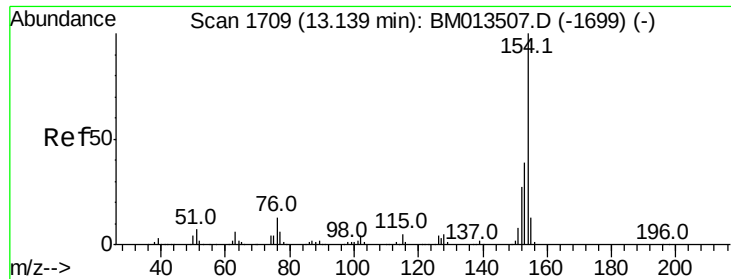
Sohil
12/20/2017 3:49:29 PM



#34
2-Methylnaphthalene
Concen: 113.473 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BM013510.D
Acq: 19 Dec 2017 12:35

Tgt Ion:142 Resp: 2947549
Ion Ratio Lower Upper
142 100
141 86.6 74.1 111.1





#40

1,1'-Biphenyl

Concen: 29.764 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Instrument :

BNA_M

ClientSampled :

F9A10ME

Tot Ion:154 Resp: 1049774

Ion Ratio Lower Upper

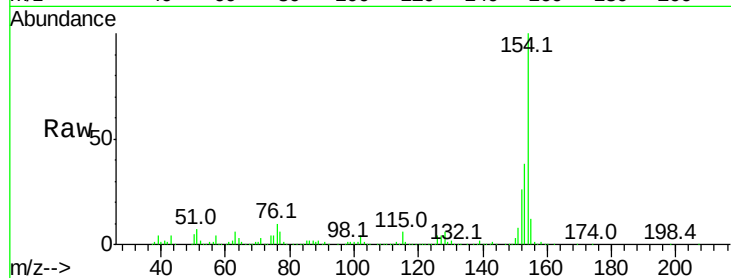
154 100

153 38.1 32.6 48.8

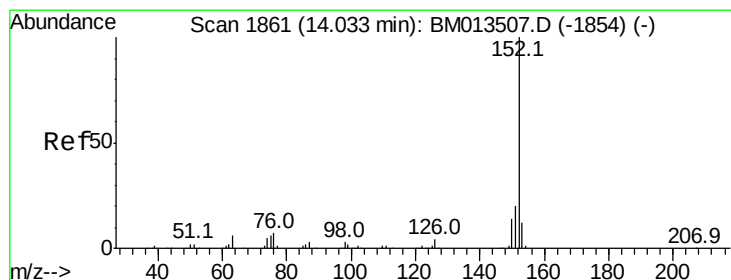
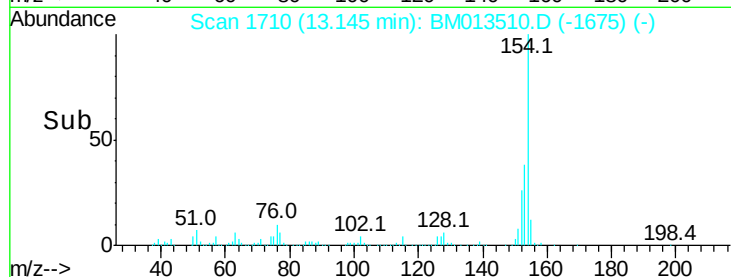
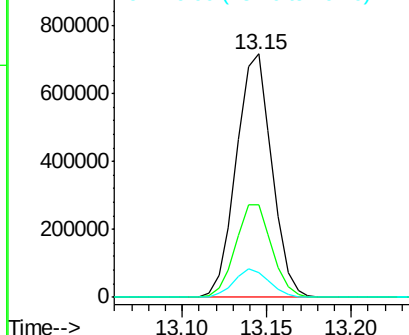
76 10.4 8.5 12.7

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM



#47

Acenaphthylene

Concen: 6.867 ng/ul

RT: 14.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

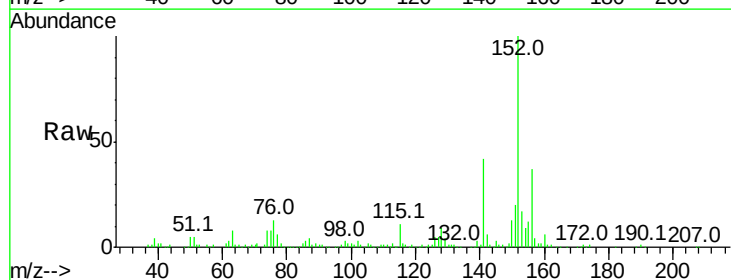
Tgt Ion:152 Resp: 291228

Ion Ratio Lower Upper

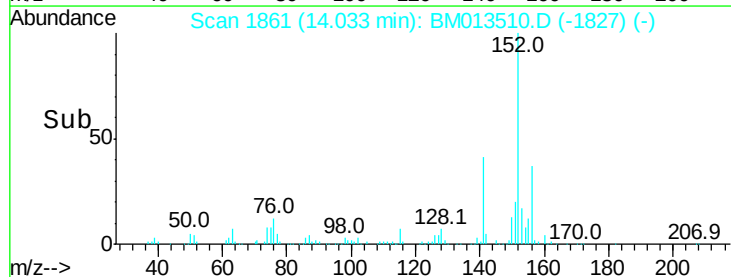
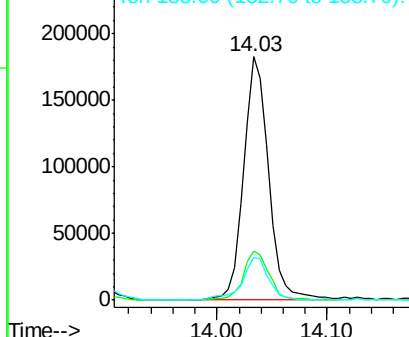
152 100

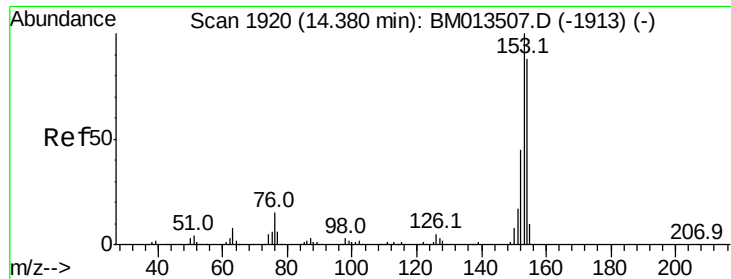
151 19.9 16.3 24.5

153 17.3 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 211.975 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Instrument :

BNA_M

ClientSampleId :

F9A10ME

Tot Ion:153 Resp: 6123877

Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.6	56.4
154	90.3	70.4	105.6

153 100

152 47.2 37.6 56.4

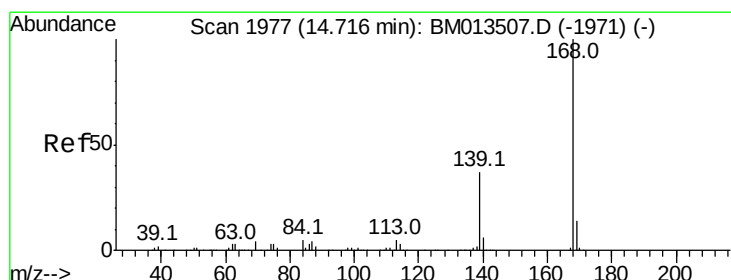
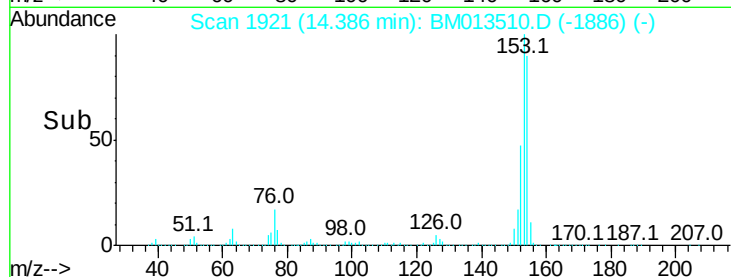
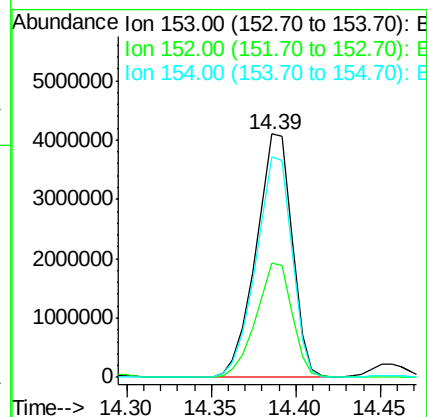
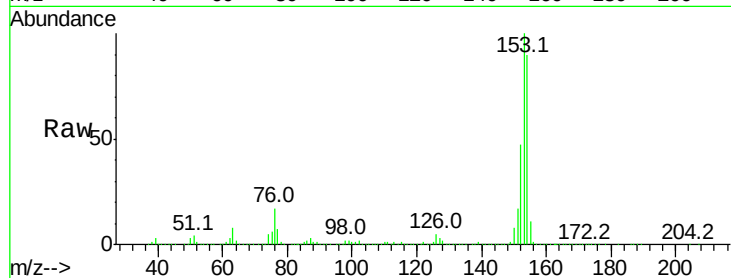
154 90.3 70.4 105.6

Manual Integrations

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Sohil

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#53

Dibenzofuran

Concen: 128.756 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BM013510.D

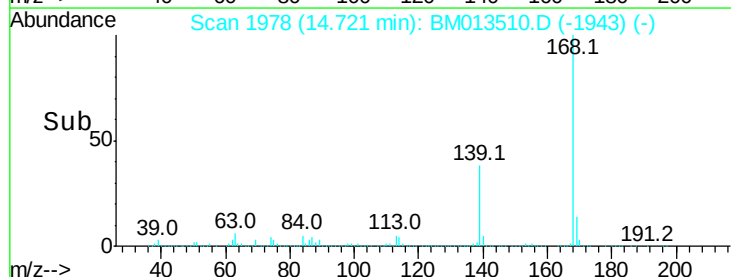
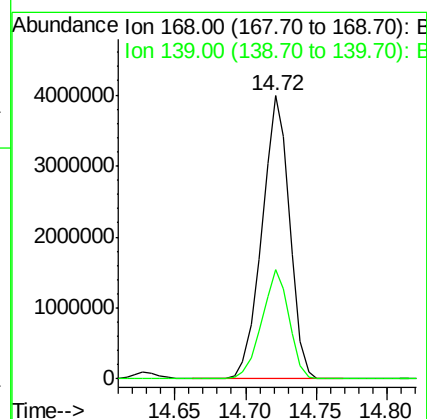
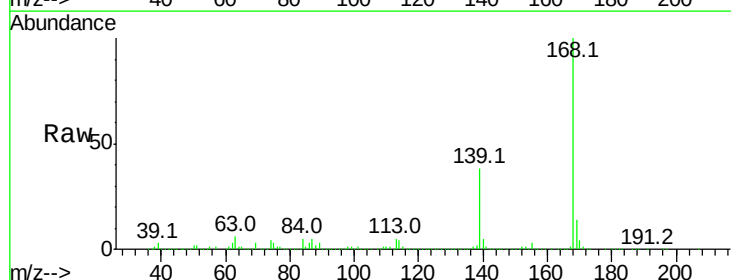
Acq: 19 Dec 2017 12:35

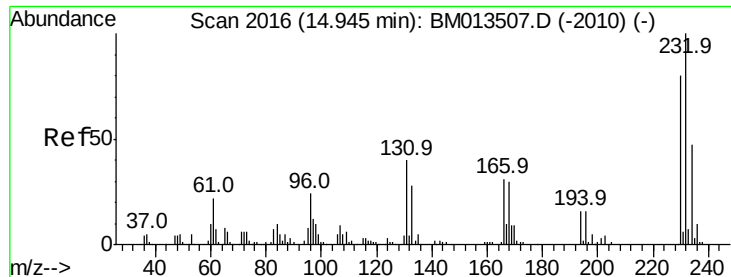
Tgt Ion:168 Resp: 5491295

Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.8	46.2

168 100

139 38.4 30.8 46.2





#55

2,3,4,6-Tetrachlorophenol

Concen: 3.021 ng/ul

RT: 14.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Instrument :

BNA_M

ClientSampleId :

F9A10ME

Tot Ion:232 Resp: 27621

Ion Ratio Lower Upper

232 100

131 52.6 29.0 43.4#

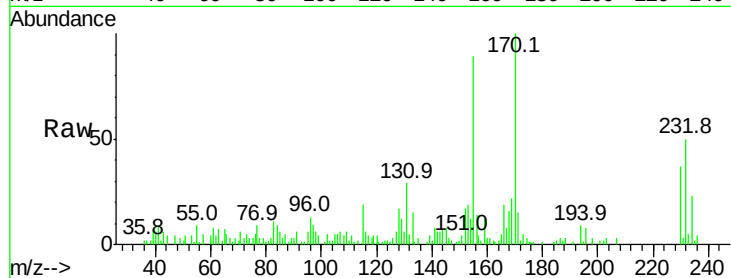
130 11.8 2.0 3.0#

166 35.3 21.4 32.2#

Manual Integrations
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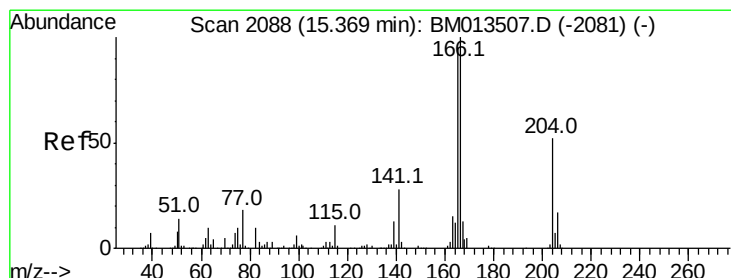
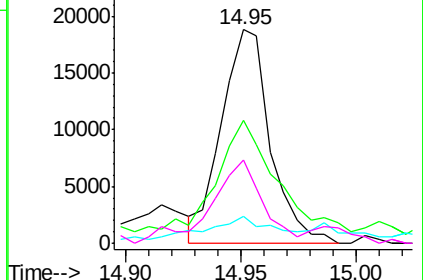
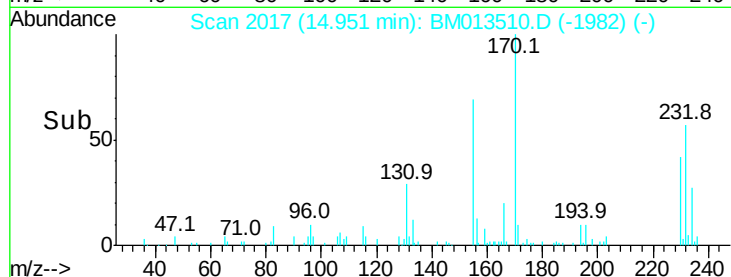


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#58

Fluorene

Concen: 164.827 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

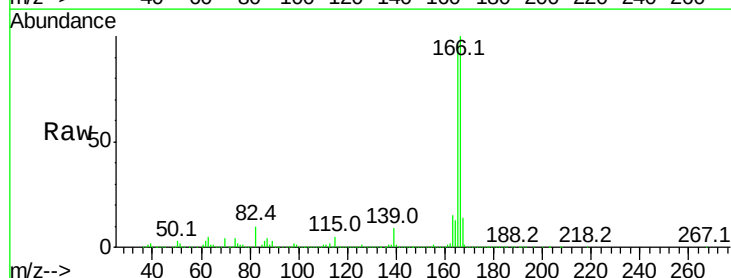
Tgt Ion:166 Resp: 5815447

Ion Ratio Lower Upper

166 100

165 96.3 77.9 116.9

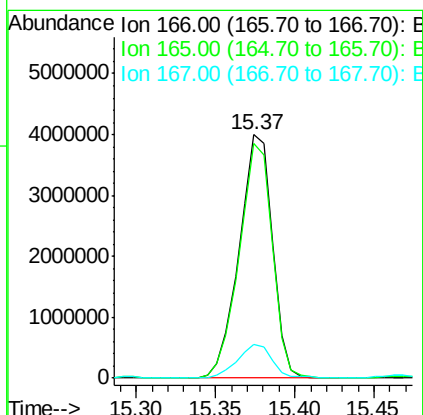
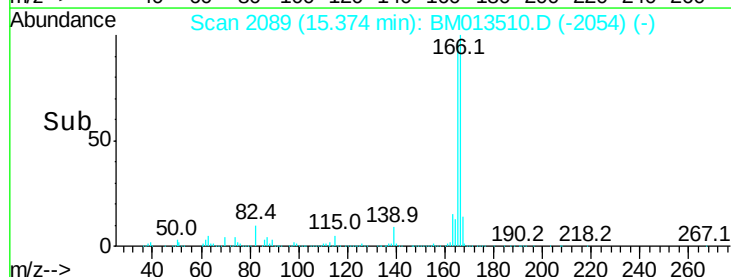
167 13.8 10.6 16.0

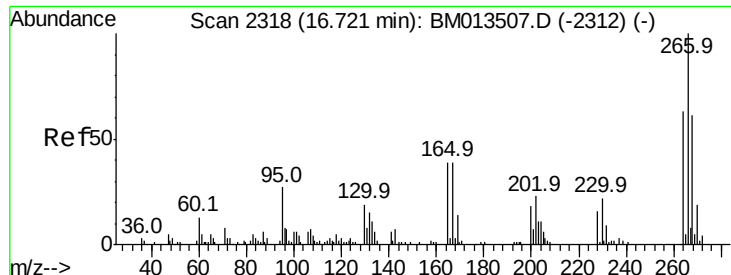


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





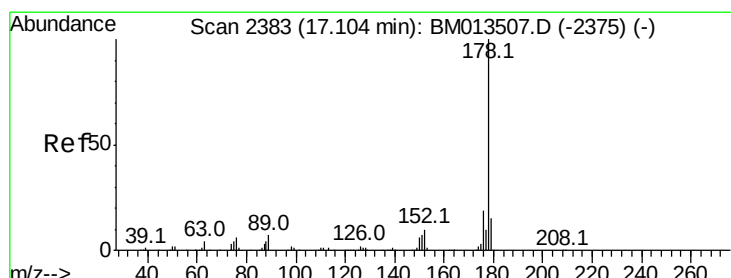
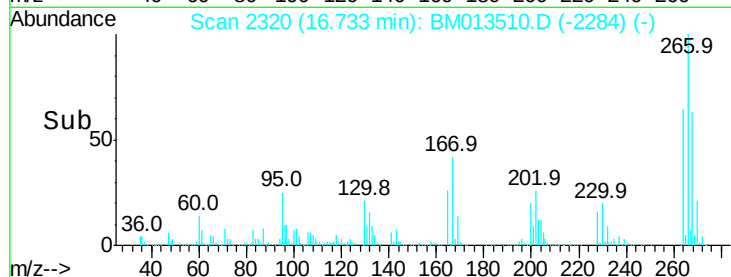
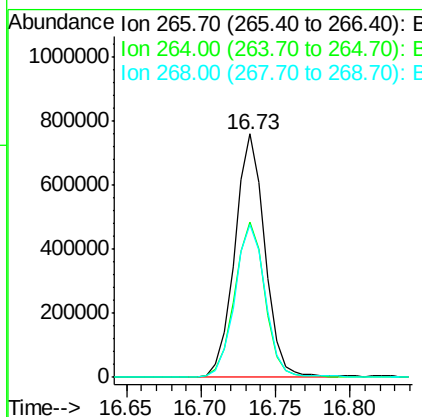
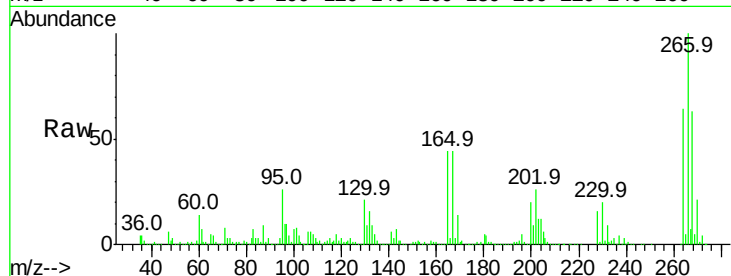
#68
 Pentachlorophenol
 Concen: 149.210 ng/ul
 RT: 16.73 min Scan# 2320
 Delta R.T. 0.01 min
 Lab File: BM013510.D
 Acq: 19 Dec 2017 12:35

Instrument :
 BNA_M
 ClientSampled :
 F9A10ME

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.3	73.9
268	62.9	52.6	78.8

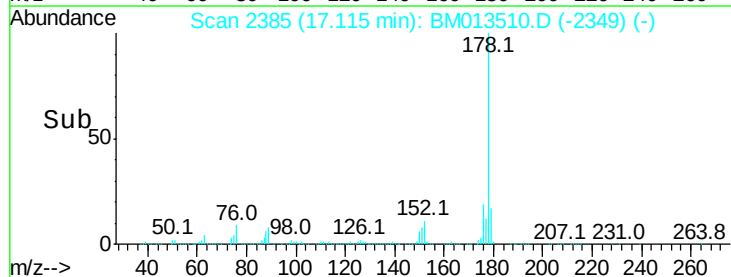
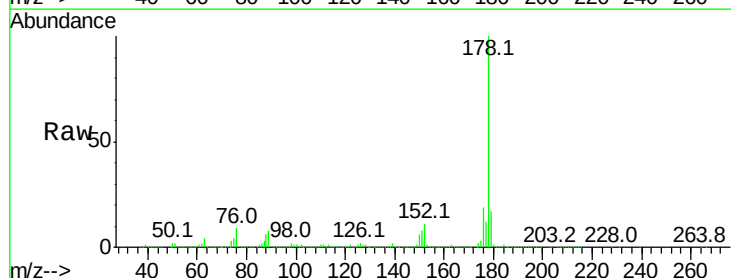
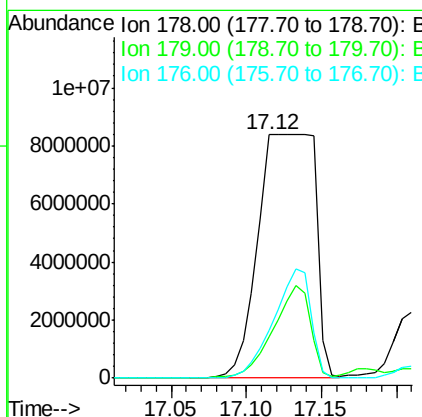
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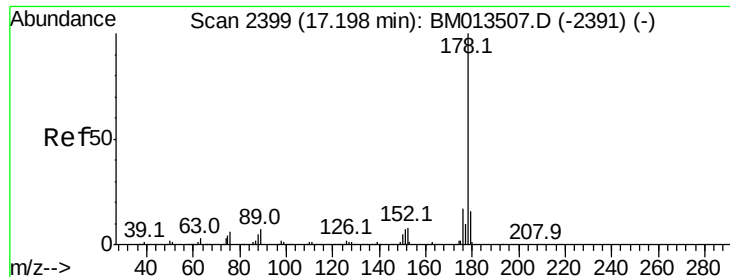
Sohil
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#69
 Phenanthrene
 Concen: 404.660 ng/ul m
 RT: 17.12 min Scan# 2385
 Delta R.T. 0.01 min
 Lab File: BM013510.D
 Acq: 19 Dec 2017 12:35

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.6	19.0
176	19.5	14.9	22.3





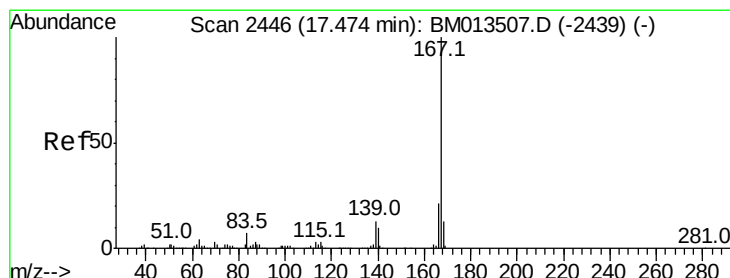
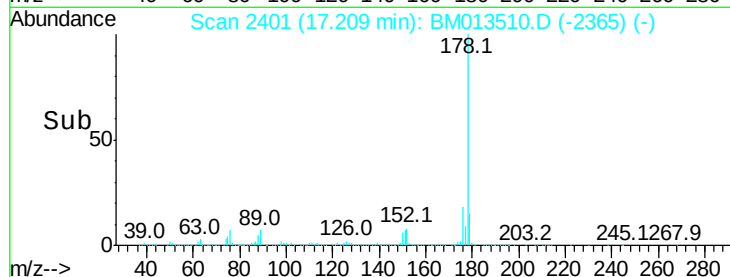
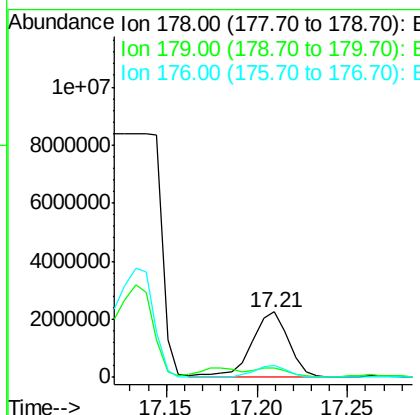
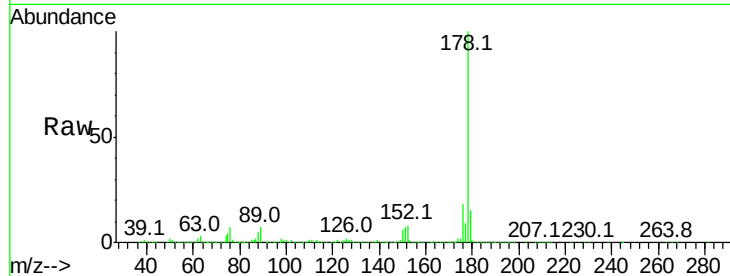
#71
 Anthracene
 Concen: 56.489 ng/ul
 RT: 17.21 min Scan# 2401
 Delta R.T. 0.01 min
 Lab File: BM013510.D
 Acq: 19 Dec 2017 12:35

Instrument :
 BNA_M
 ClientSampleId :
 F9A10ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	17.5	14.6	21.8

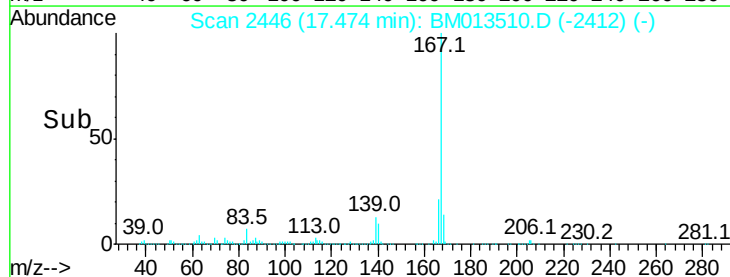
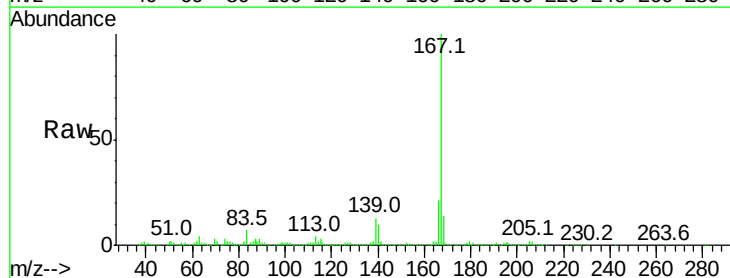
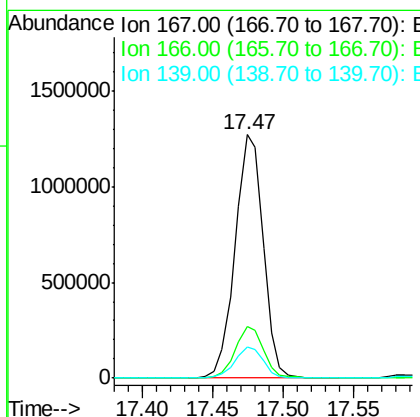
Manual Integrations
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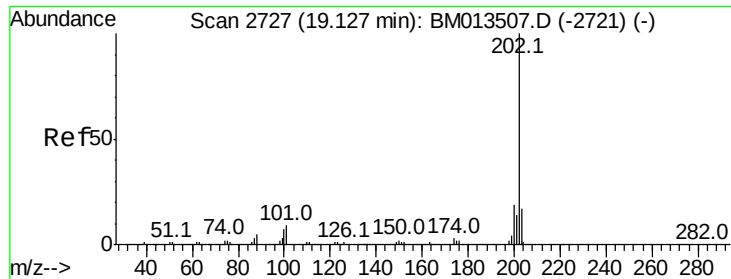
Sohil
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#72
 Carbazole
 Concen: 36.850 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013510.D
 Acq: 19 Dec 2017 12:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.9	10.0	15.0





#74

Fluoranthene

Concen: 233.971 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Instrument :

BNA_M

ClientSampleId :

F9A10ME

Tot Ion:202 Resp:15541013

Ion Ratio Lower Upper

202 100

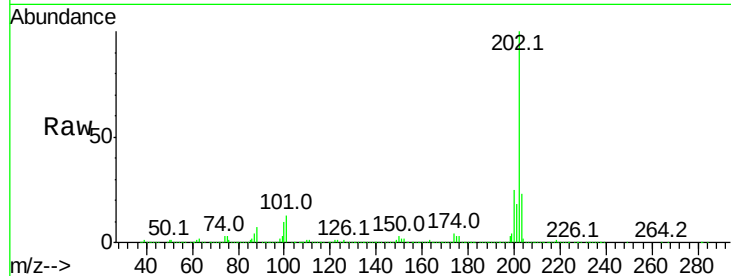
101 12.5 4.6 7.0#

100 9.6 3.4 5.2#

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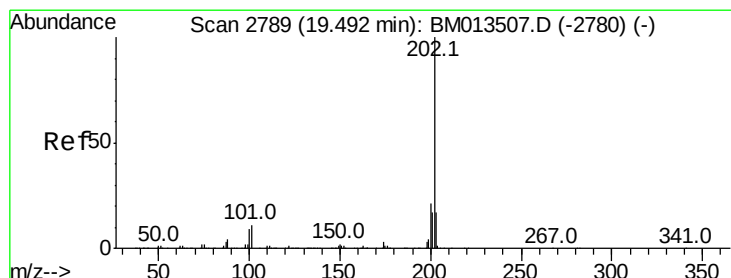
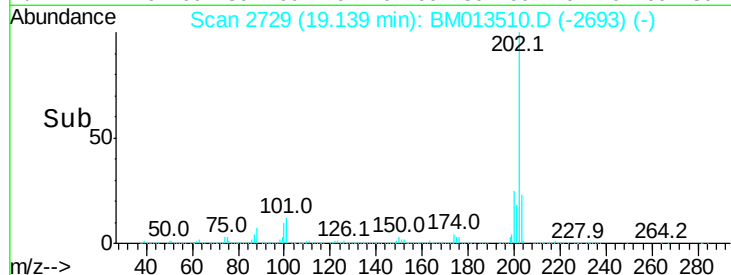
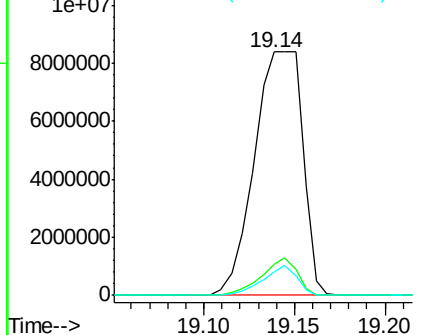
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 211.432 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Tgt Ion:202 Resp:11968078

Ion Ratio Lower Upper

202 100

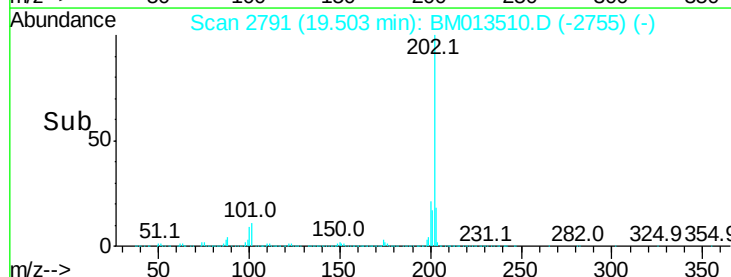
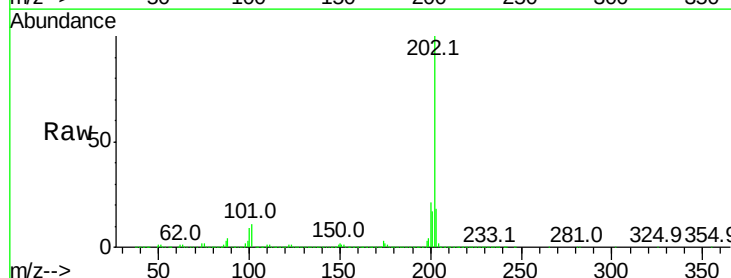
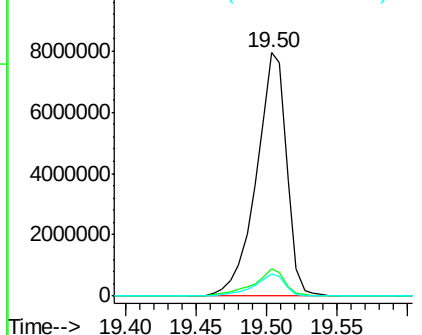
101 11.3 5.1 7.7#

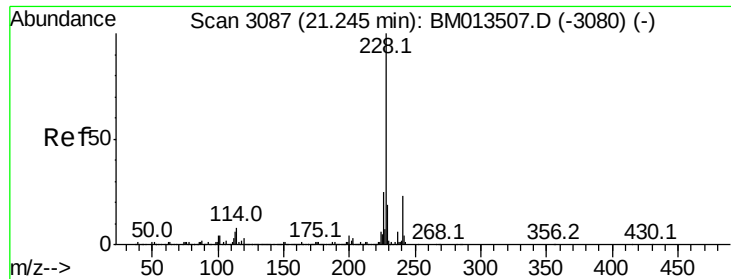
100 9.2 4.9 7.3#

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: 40.500 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Instrument :

BNA_M

ClientSampleId :

F9A10ME

Tot Ion:228 Resp: 2394207

Ion Ratio Lower Upper

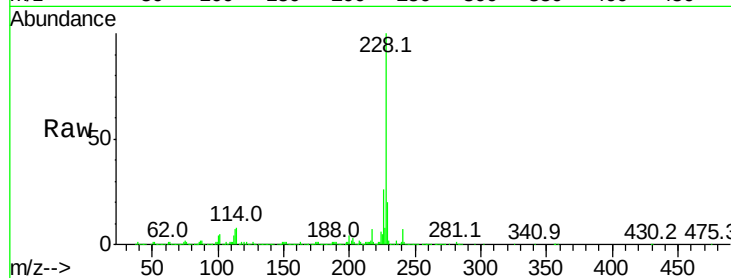
228 100

229 19.9 15.4 23.0

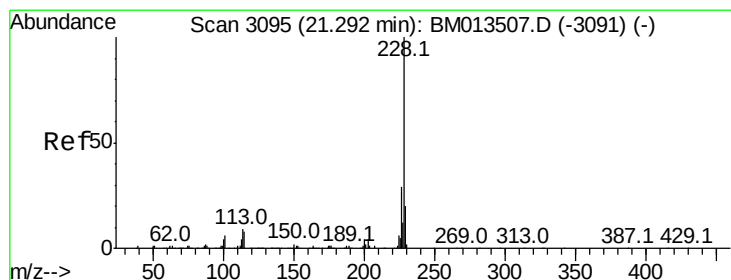
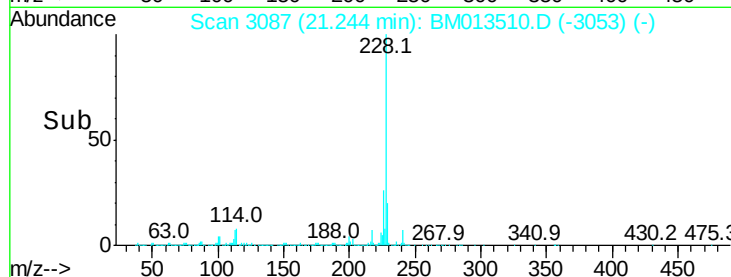
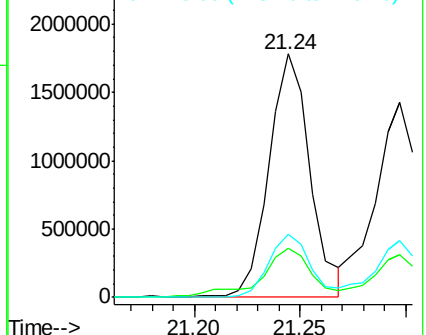
226 25.9 21.4 32.0

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



#82

Chrysene

Concen: 36.038 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Tgt Ion:228 Resp: 1976489

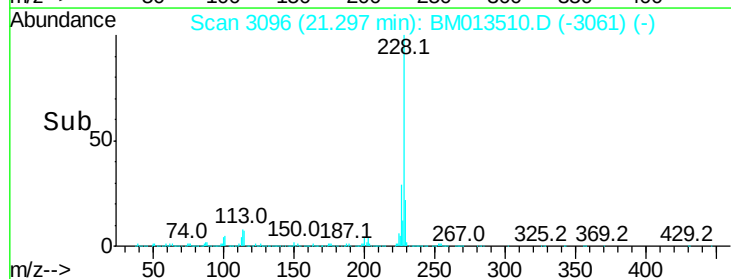
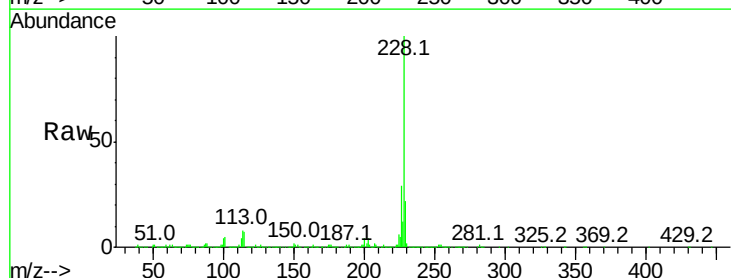
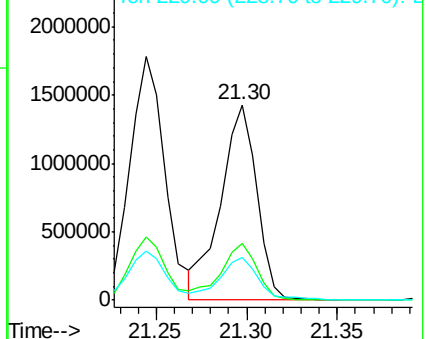
Ion Ratio Lower Upper

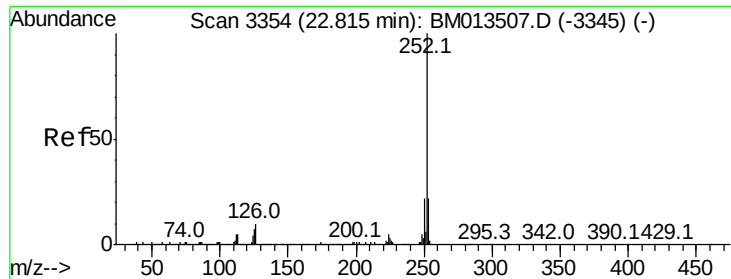
228 100

226 29.2 23.4 35.2

229 21.9 15.5 23.3

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





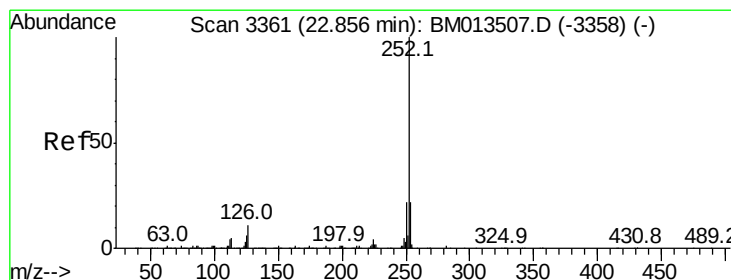
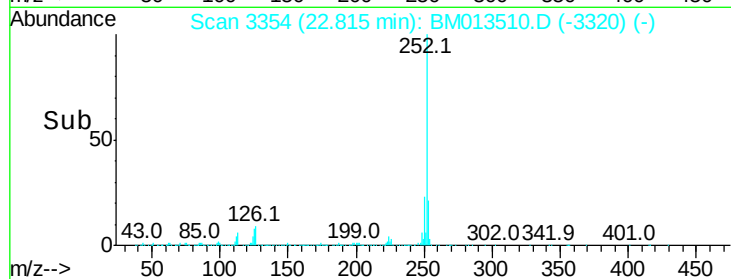
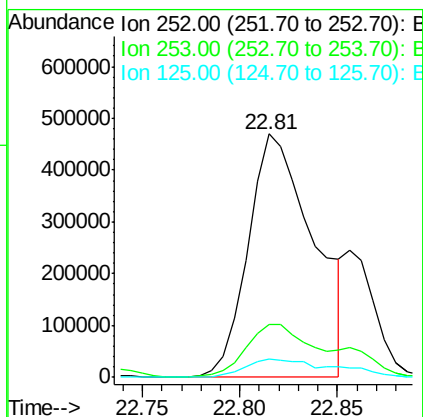
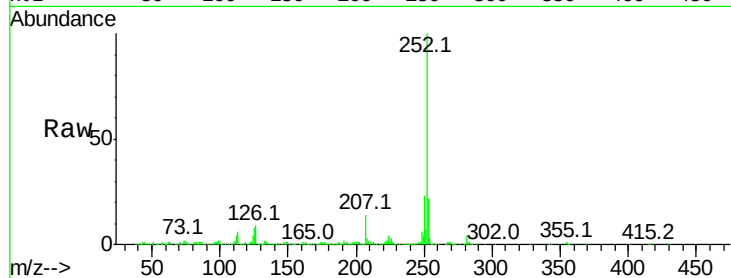
#85
Benzo(b)fluoranthene
Concen: 20.889 ng/ul
RT: 22.81 min Scan# 3354
Delta R.T. -0.00 min
Lab File: BM013510.D
Acq: 19 Dec 2017 12:35

Instrument :
BNA_M
ClientSampleId :
F9A10ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	7.7	3.6	5.4

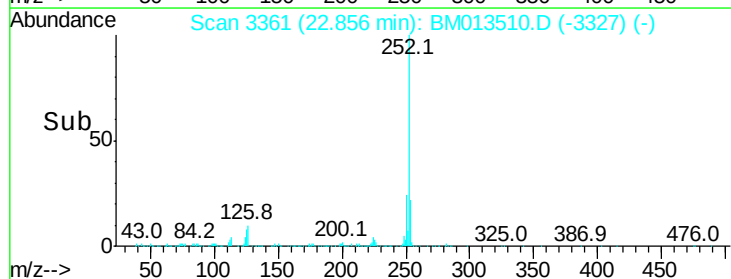
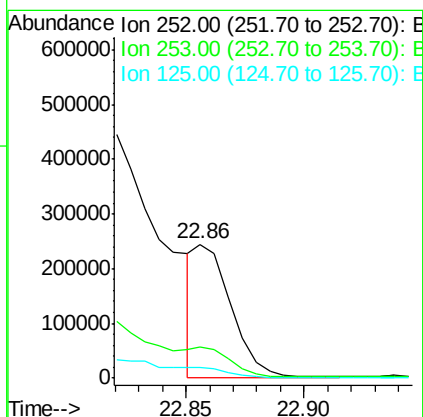
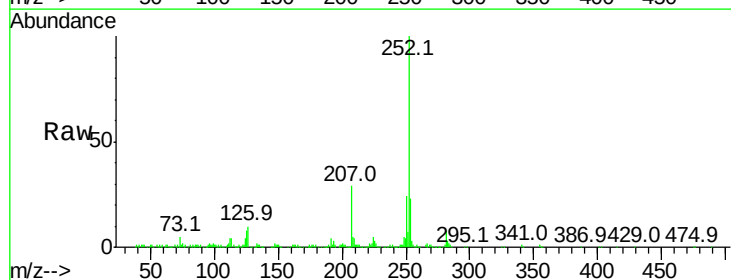
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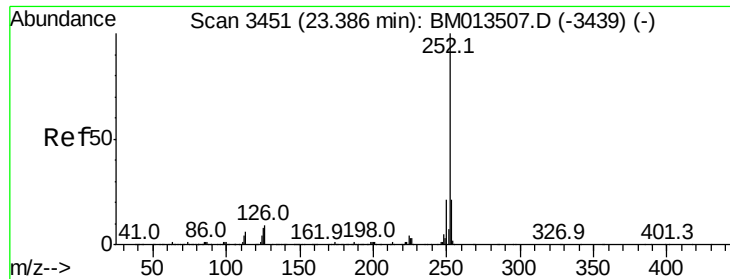
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#86
Benzo(k)fluoranthene
Concen: 5.265 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BM013510.D
Acq: 19 Dec 2017 12:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	7.9	3.4	5.2





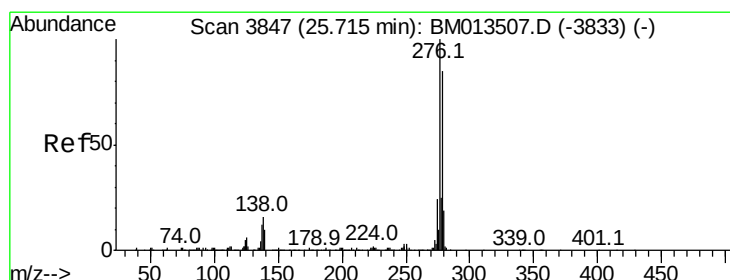
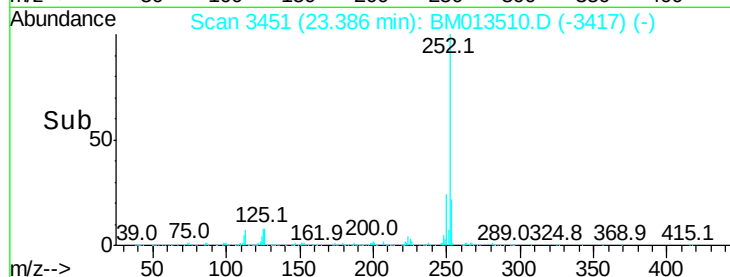
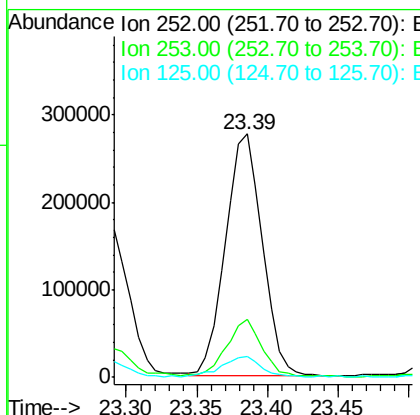
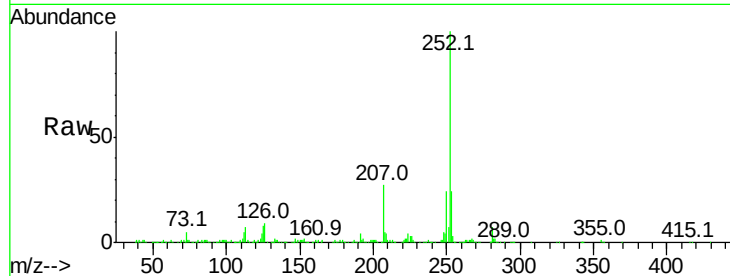
#88
Benzo(a)pyrene
Concen: 10.780 ng/ul
RT: 23.39 min Scan# 3451
Delta R.T. -0.00 min
Lab File: BM013510.D
Acq: 19 Dec 2017 12:35

Instrument :
BNA_M
ClientSampleId :
F9A10ME

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.0	18.2	27.2
125	8.4	4.0	6.0#

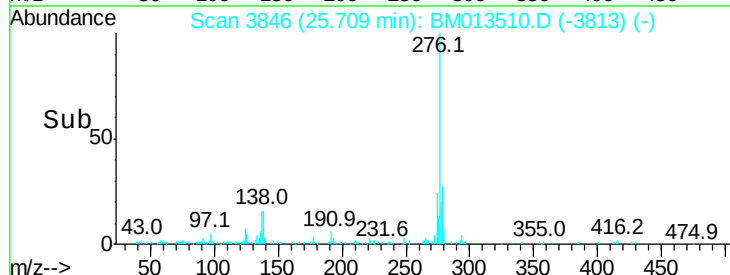
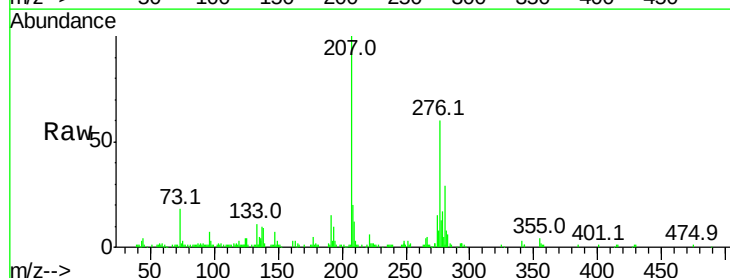
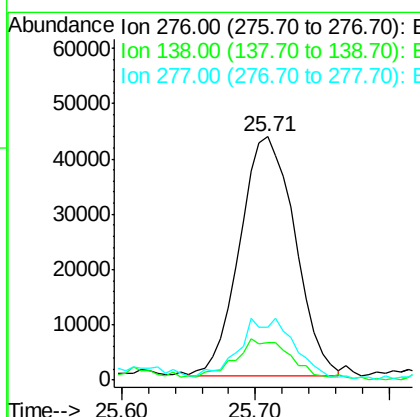
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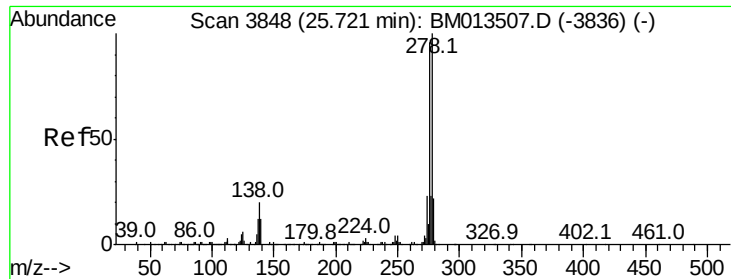
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.683 ng/ul
RT: 25.71 min Scan# 3846
Delta R.T. -0.01 min
Lab File: BM013510.D
Acq: 19 Dec 2017 12:35

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	15.3	9.3	13.9#
277	21.5	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 1.061 ng/ul

RT: 25.71 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Instrument :

BNA_M

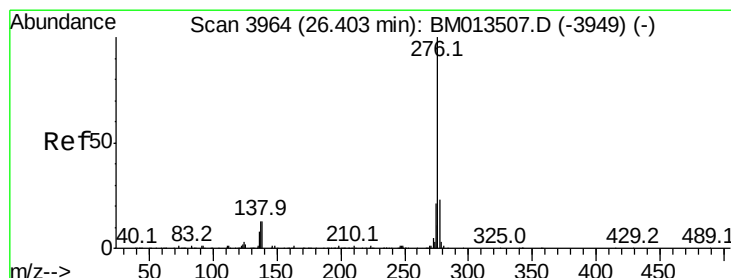
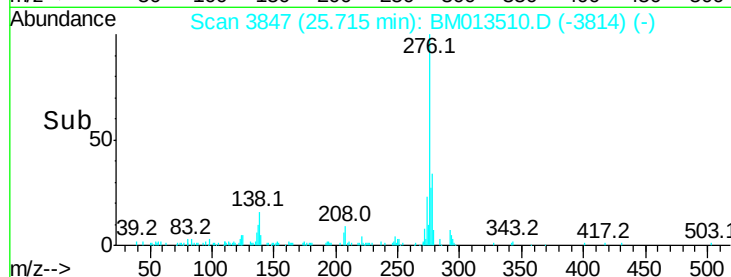
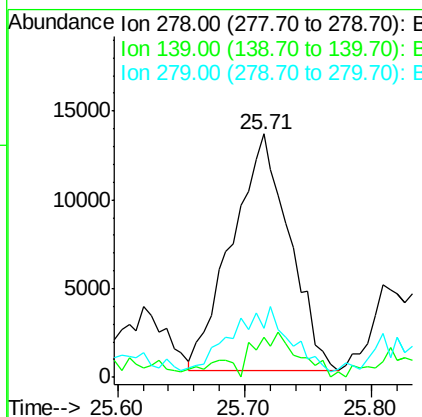
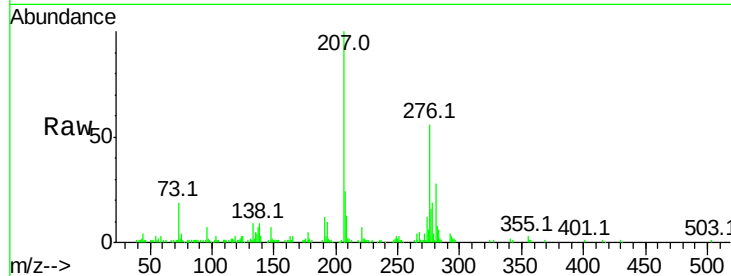
ClientSampleId :

F9A10ME

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.3	5.8	8.8#
279	19.9	18.6	27.8

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 2.108 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. -0.01 min

Lab File: BM013510.D

Acq: 19 Dec 2017 12:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	8.5	12.7#
277	19.0	18.6	28.0

