

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Manual Integrations
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Sohil
 1/29/2018 6:09:01 PM

Quant Time: Jan 29 15:01:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	162538	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	597794	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	549706	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	748380	20.00	ng/ul	0.01
75) Chrysene-d12	21.20	240	816018	20.00	ng/ul	0.01
83) Perylene-d12	23.38	264	793927	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	14036	3.41	ng/uL	0.00
5) Phenol-d5	6.76	99	293115	23.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	189261	25.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	258997	25.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	239045	24.92	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	136048	29.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	148683	30.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	279677	29.54	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	209564	25.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	793154	17.51	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	955407	16.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	90283	12.26	ng/ul	0.00
57) Fluorene-d10	15.23	176	655354	16.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	67145	14.91	ng/ul	0.04
70) Anthracene-d10	17.11	188	1002670	27.51	ng/ul	0.03
76) Pyrene-d10	19.40	212	1180355	31.07	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.24	264	1083809m	29.70	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.79	94	41325	3.302	ng/ul#	85
28) Naphthalene	10.41	128	30526528m	1026.441	ng/ul	
34) 2-Methylnaphthalene	12.05	142	22097637m	996.593	ng/ul	
40) 1,1'-Biphenyl	13.06	154	5979549	130.680	ng/ul	99
44) Dimethylphthalate	13.70	163	163223	3.664	ng/ul	99
47) Acenaphthylene	13.96	152	230231	4.355	ng/ul#	67
49) Acenaphthene	14.32	153	15628961	426.905	ng/ul	91
53) Dibenzofuran	14.65	168	17921681m	325.404	ng/ul	
55) 2,3,4,6-Tetrachlorophenol	14.87	232	69563	6.028	ng/ul#	82
58) Fluorene	15.30	166	12419740	275.292	ng/ul	99
68) Pentachlorophenol	16.67	266	958381	189.555	ng/ul	98
69) Phenanthrene	17.04	178	33865844m	814.095	ng/ul	
71) Anthracene	17.14	178	9227028	215.044	ng/ul	98
72) Carbazole	17.40	167	1683758	47.539	ng/ul	99
74) Fluoranthene	19.07	202	24584534m	495.093	ng/ul	
77) Pyrene	19.43	202	21225193m	427.857	ng/ul	
80) Benzo(a)anthracene	21.18	228	5478078	111.099	ng/ul	99
82) Chrysene	21.23	228	3893170	86.067	ng/ul	98
85) Benzo(b)fluoranthene	22.73	252	2396454	49.151	ng/ul#	99
86) Benzo(k)fluoranthene	22.77	252	910109	19.312	ng/ul#	98
88) Benzo(a)pyrene	23.29	252	1371294	29.772	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.56	276	415590	7.644	ng/ul	98
90) Dibenz(a,h)anthracene	25.56	278	124843	2.719	ng/ul#	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.22	276	268690	6.004	ng/ul#	95

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

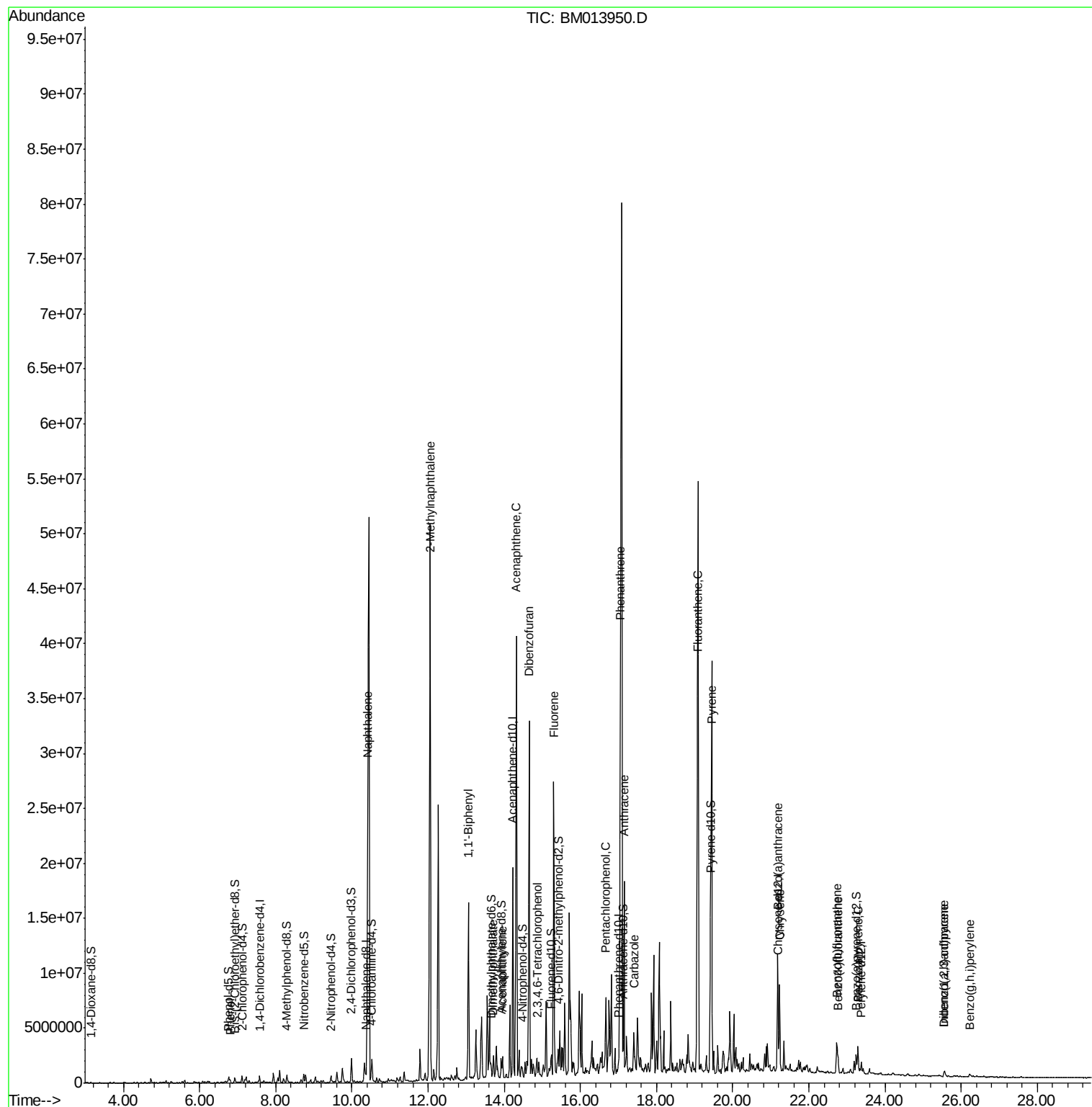
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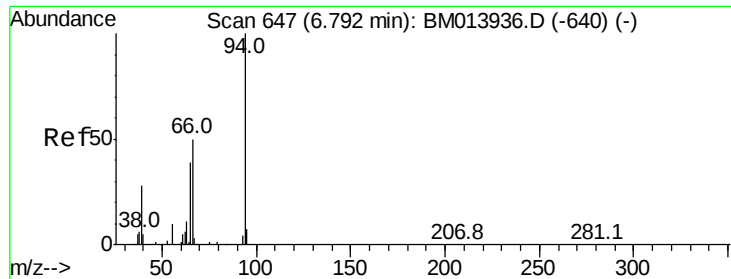
Instrument :
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#6

Phenol

Concen: 3.302 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampled :

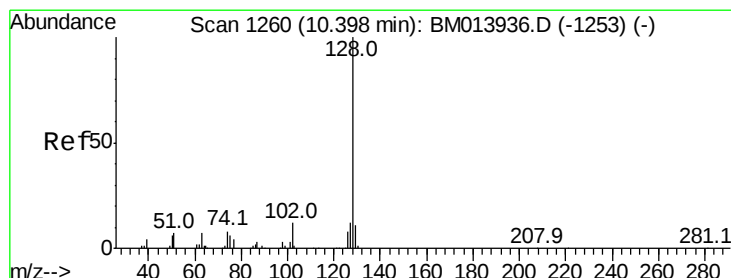
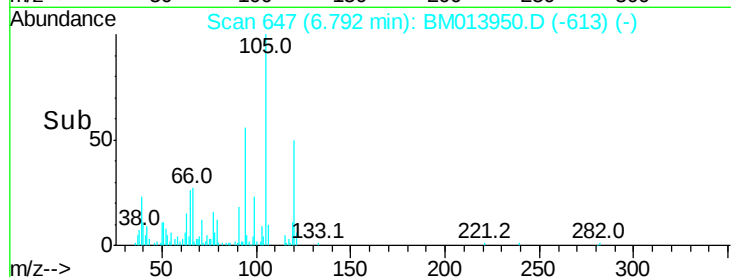
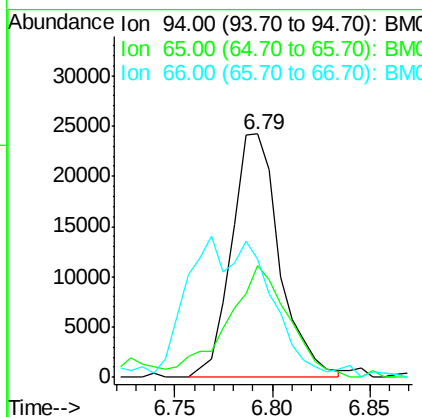
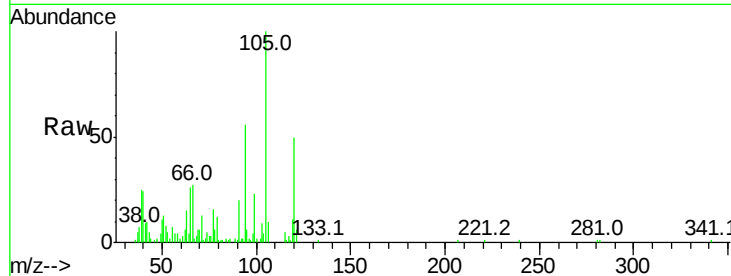
F6B34

Tot Ion:	94	Resp:	41325
Ion Ratio	Lower	Upper	
94	100		
65	45.7	28.2	42.4#
66	48.5	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 1026.441 ng/ul m

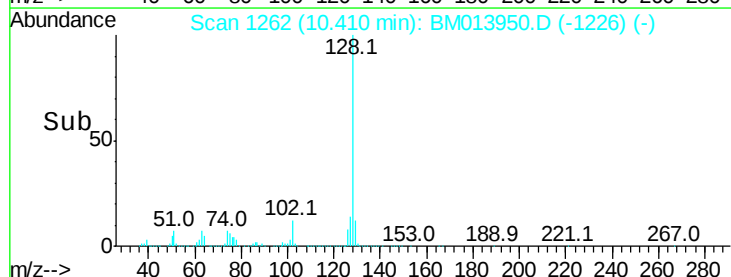
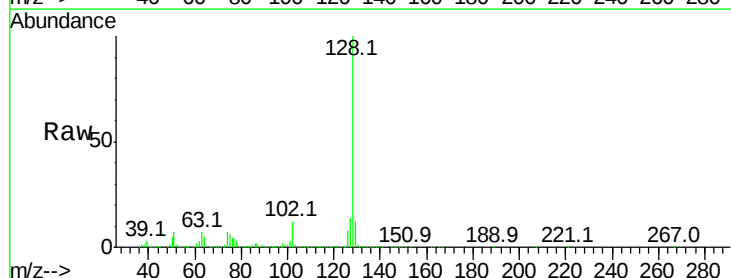
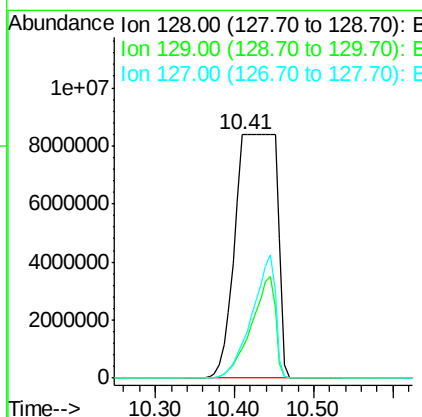
RT: 10.41 min Scan# 1262

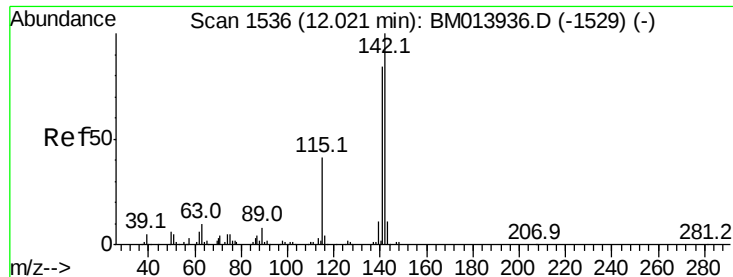
Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Tgt Ion:	128	Resp:	30526528
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.8	13.2
127	14.1	10.6	16.0





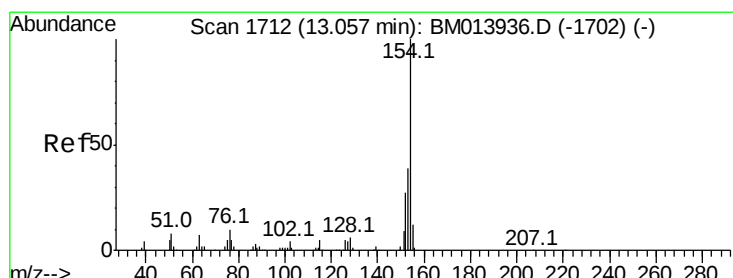
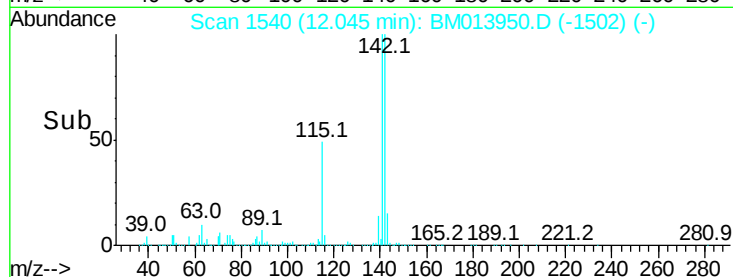
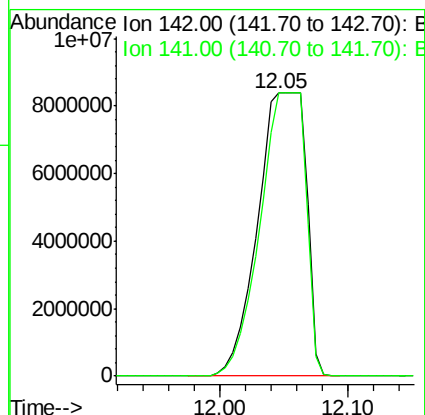
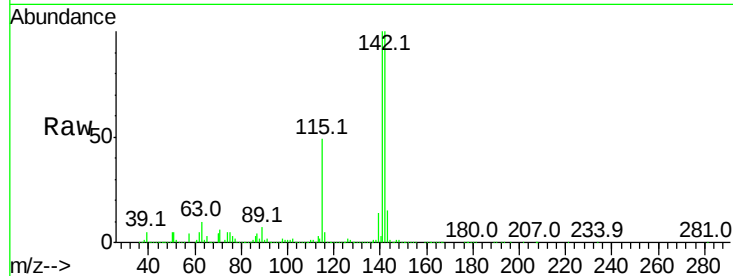
#34
2-Methylnaphthalene
Concen: 996.593 ng/ul m
RT: 12.05 min Scan# 1540
Delta R.T. 0.02 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Instrument :
BNA_M
ClientSampled :
F6B34

Tot Ion:142 Resp:22097637
Ion Ratio Lower Upper
142 100
141 100.0 74.1 111.1

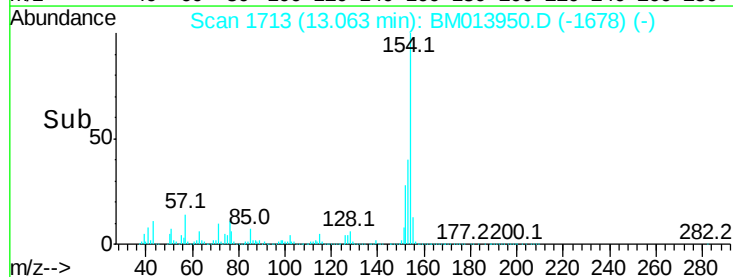
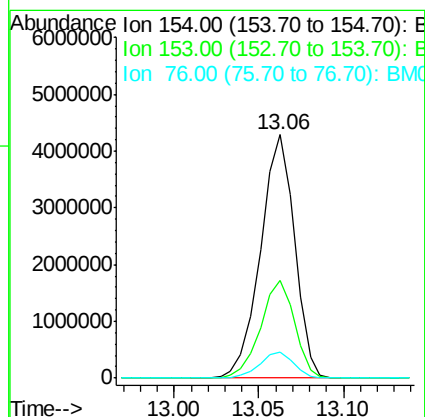
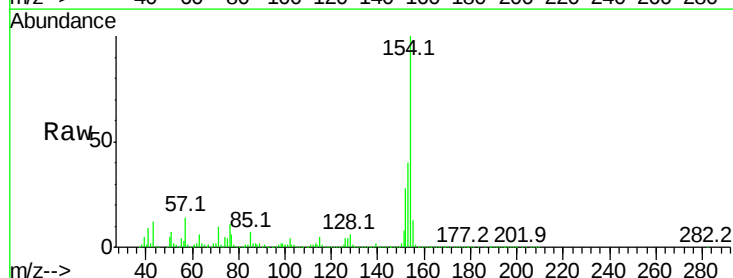
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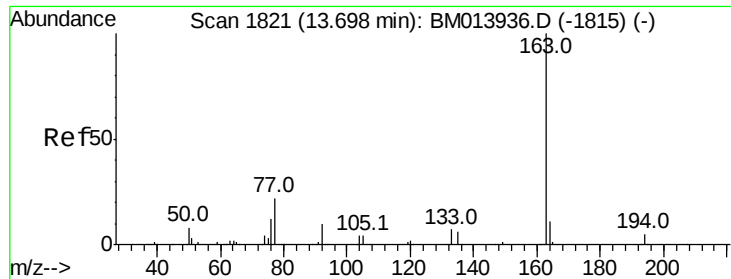
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#40
1,1'-Biphenyl
Concen: 130.680 ng/ul
RT: 13.06 min Scan# 1713
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion:154 Resp: 5979549
Ion Ratio Lower Upper
154 100
153 40.2 32.6 48.8
76 10.9 8.5 12.7





#44

Dimethylphthalate

Concen: 3.664 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

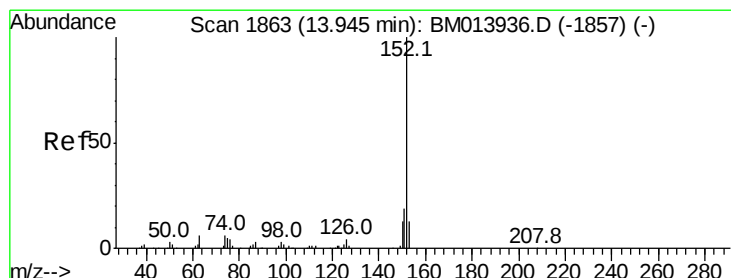
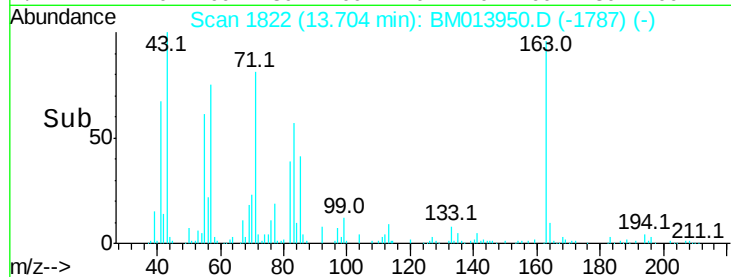
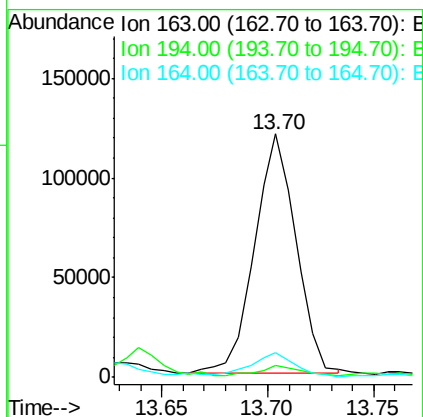
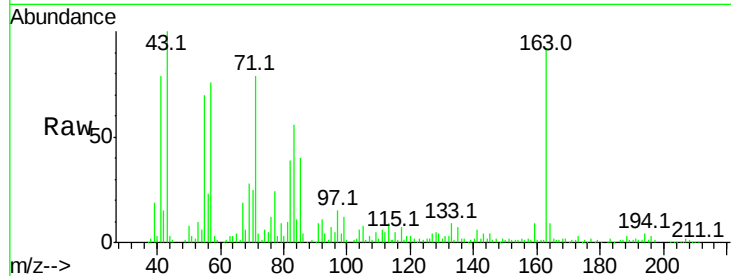
ClientSampleId :

F6B34

Tot Ion:	163	Resp:	163223
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.5	5.3
164	10.1	8.2	12.4

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#47

Acenaphthylene

Concen: 4.355 ng/ul

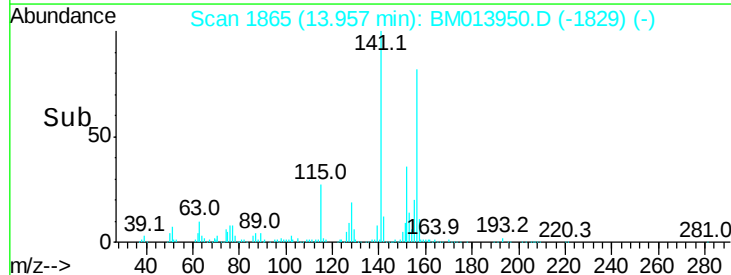
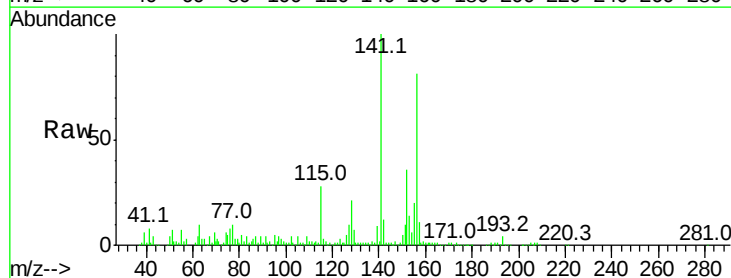
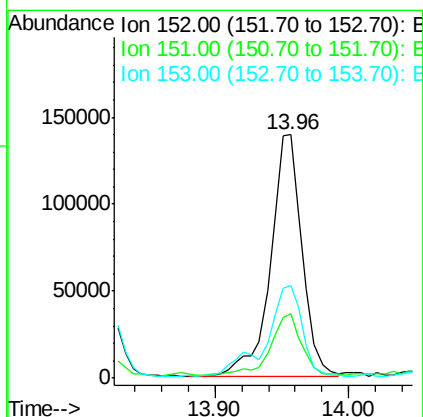
RT: 13.96 min Scan# 1865

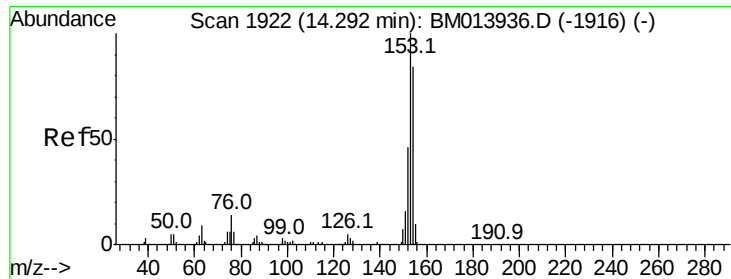
Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Tgt Ion:	152	Resp:	230231
Ion Ratio	Lower	Upper	
152	100		
151	26.3	16.3	24.5#
153	38.2	10.2	15.4#





#49

Acenaphthene

Concen: 426.905 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampled :

F6B34

Tot Ion:153 Resp:15628961

Ion Ratio Lower Upper

153 100

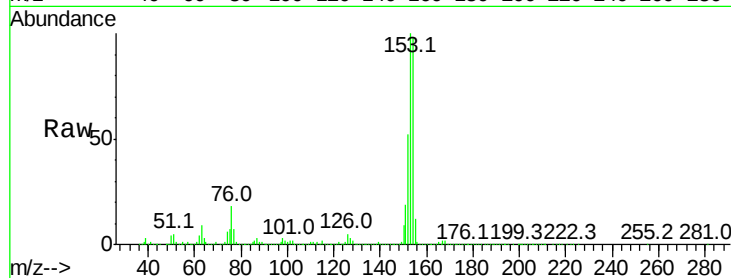
152 51.6 37.6 56.4

154 97.5 70.4 105.6

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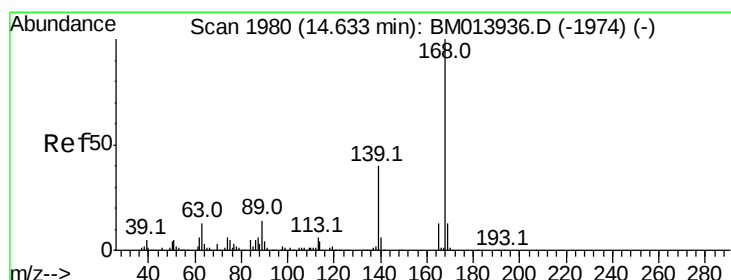
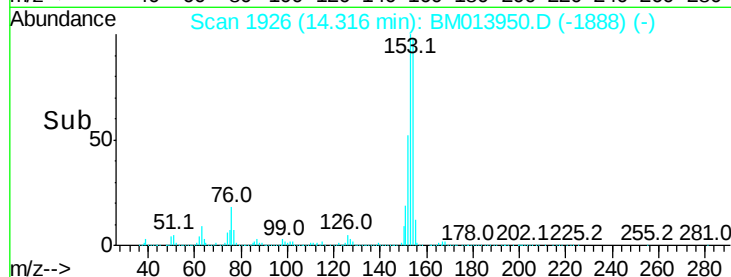
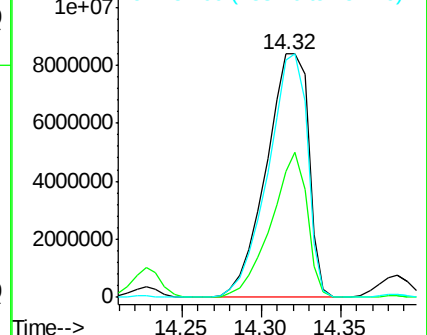
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 325.404 ng/ul m

RT: 14.65 min Scan# 1983

Delta R.T. 0.02 min

Lab File: BM013950.D

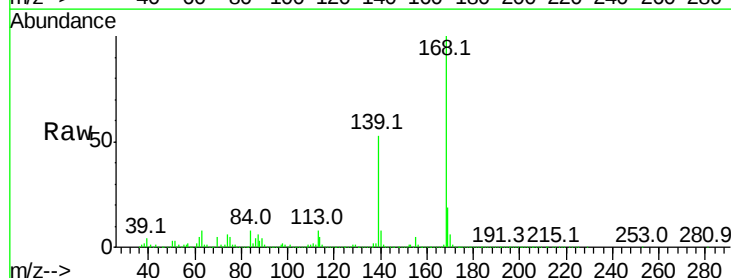
Acq: 29 Jan 2018 07:47

Tgt Ion:168 Resp:17921681

Ion Ratio Lower Upper

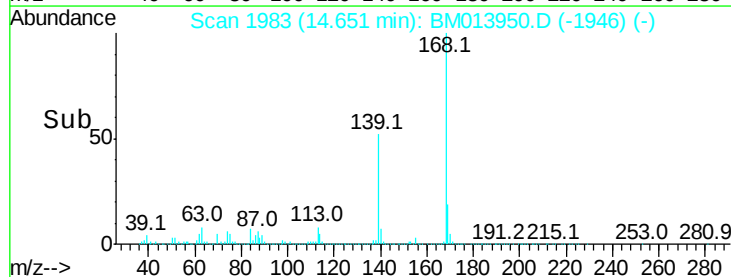
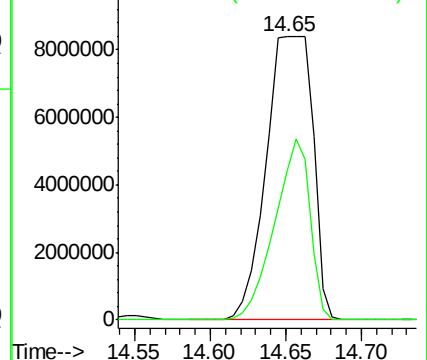
168 100

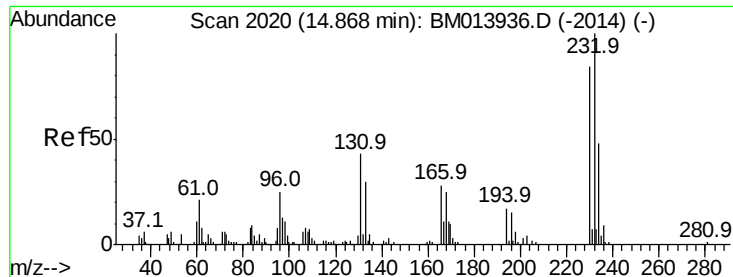
139 52.7 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





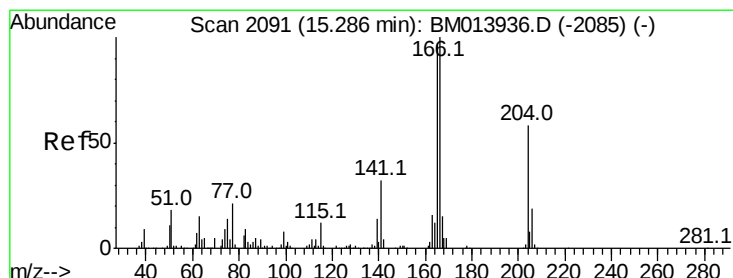
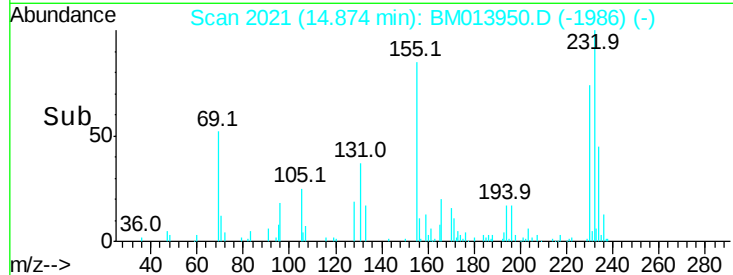
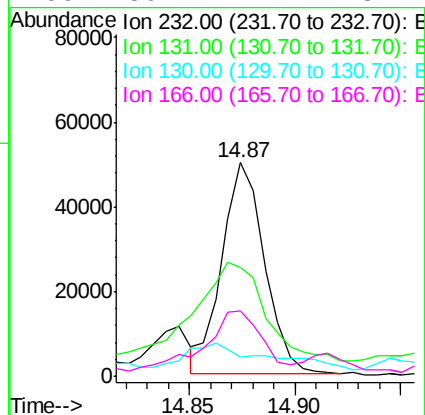
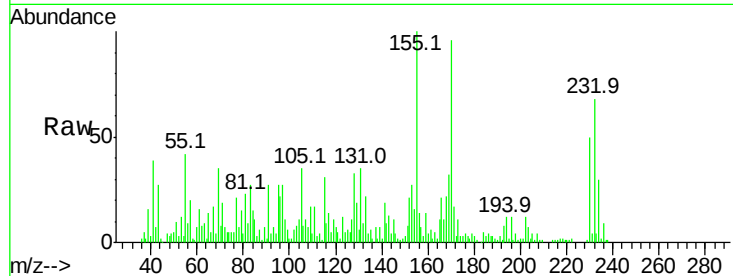
#55
 2,3,4,6-Tetrachlorophenol
 Concen: 6.028 ng/ul
 RT: 14.87 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BM013950.D
 Acq: 29 Jan 2018 07:47

Instrument :
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Tot Ion:	232	Resp:	69563
Ion Ratio	Lower	Upper	
232	100		
131	51.2	29.0	43.4#
130	8.8	2.0	3.0#
166	30.4	21.4	32.2

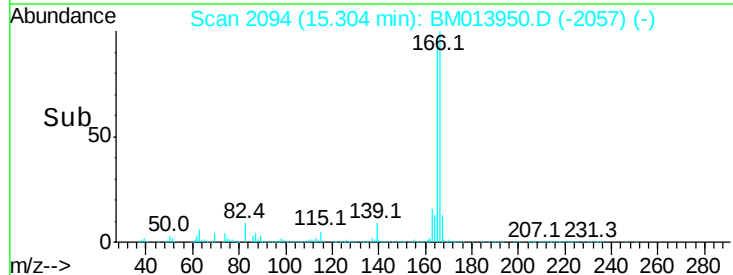
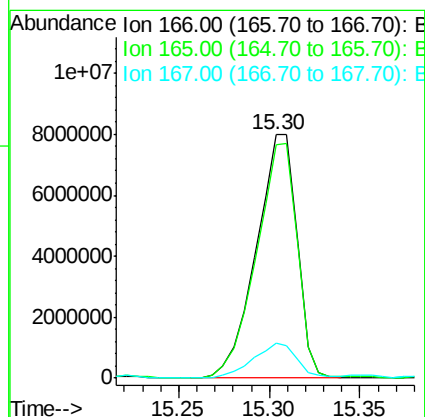
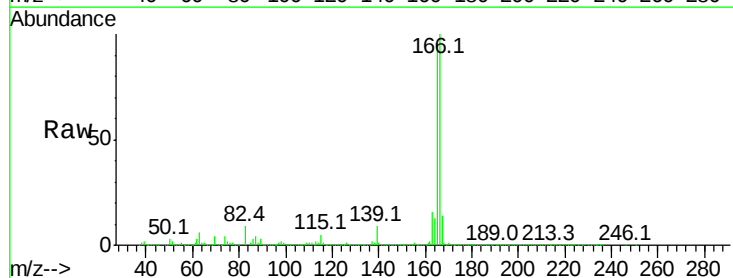
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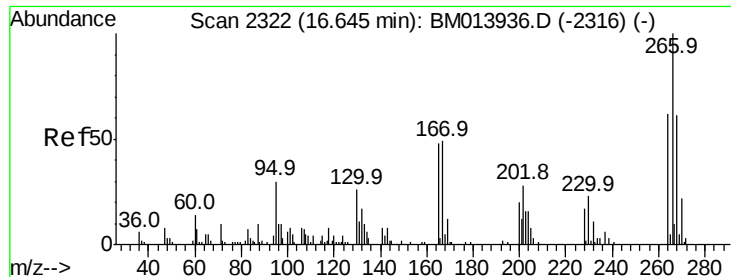
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#58
 Fluorene
 Concen: 275.292 ng/ul
 RT: 15.30 min Scan# 2094
 Delta R.T. 0.02 min
 Lab File: BM013950.D
 Acq: 29 Jan 2018 07:47

Tgt Ion:	166	Resp:	12419740
Ion Ratio	Lower	Upper	
166	100		
165	96.0	77.9	116.9
167	14.2	10.6	16.0





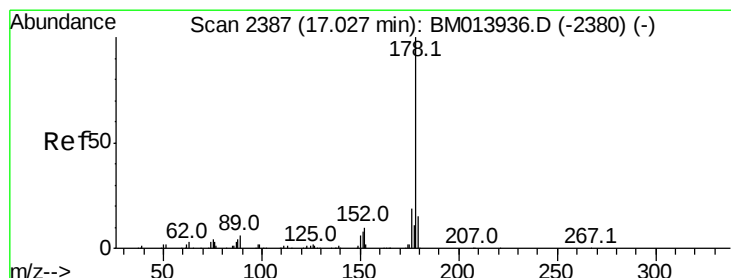
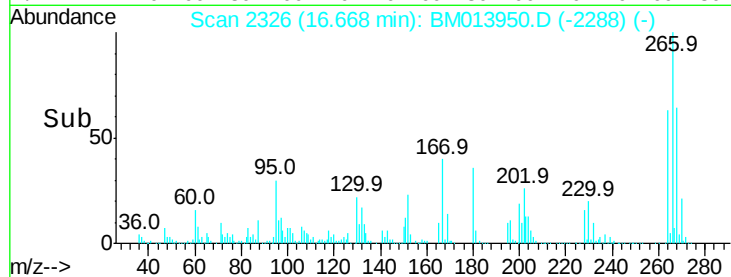
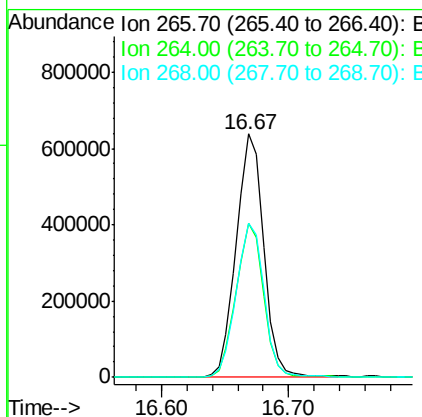
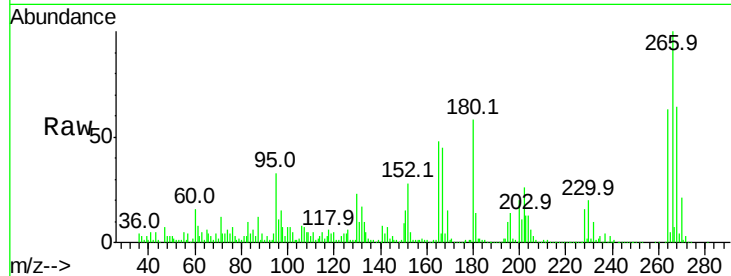
#68
 Pentachlorophenol
 Concen: 189.555 ng/ul
 RT: 16.67 min Scan# 2326
 Delta R.T. 0.02 min
 Lab File: BM013950.D
 Acq: 29 Jan 2018 07:47

Instrument :
 BNA_M
 ClientSampled :
 F6B34

Tot Ion	Ratio	Resp	Lower	Upper
266	100			
264	63.0	49.3	73.9	
268	63.5	52.6	78.8	

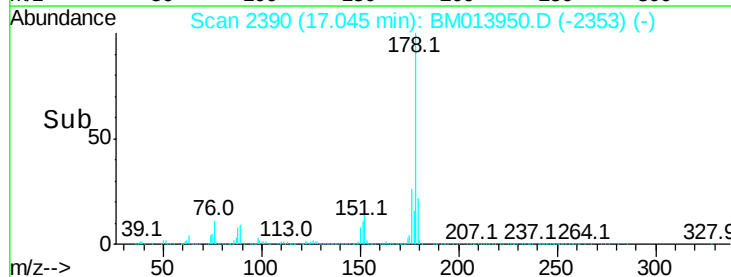
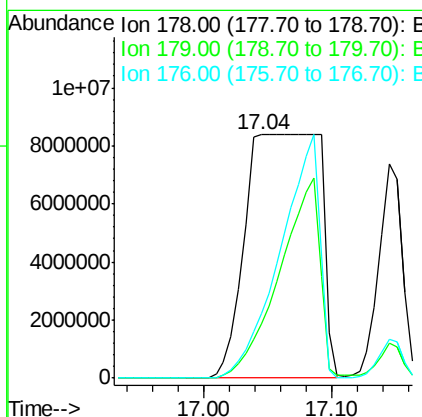
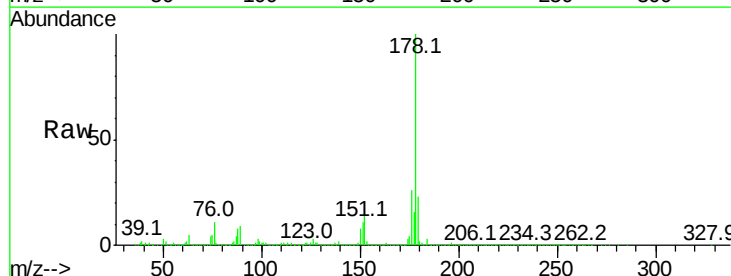
Manual Integrations
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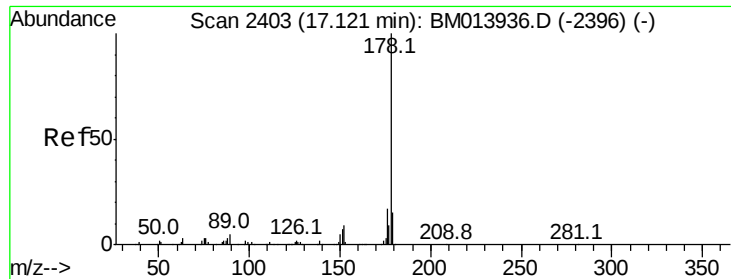
Sohil
 1/29/2018 6:09:01 PM



#69
 Phenanthrene
 Concen: 814.095 ng/ul m
 RT: 17.04 min Scan# 2390
 Delta R.T. 0.02 min
 Lab File: BM013950.D
 Acq: 29 Jan 2018 07:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	22.5	12.6	19.0#	
176	26.3	14.9	22.3#	





#71
 Anthracene
 Concen: 215.044 ng/ul
 RT: 17.14 min Scan# 2407
 Delta R.T. 0.02 min
 Lab File: BM013950.D
 Acq: 29 Jan 2018 07:47

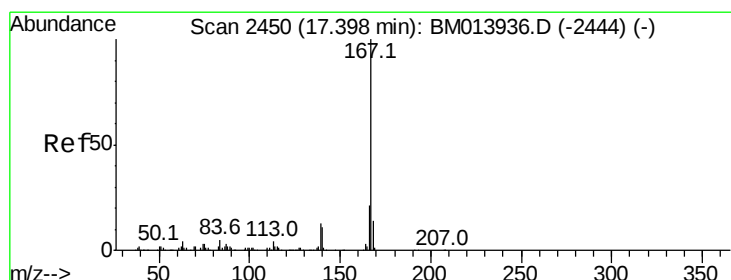
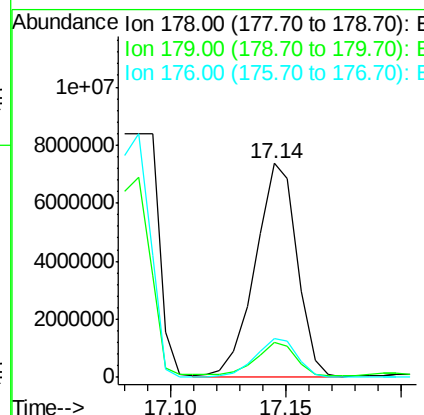
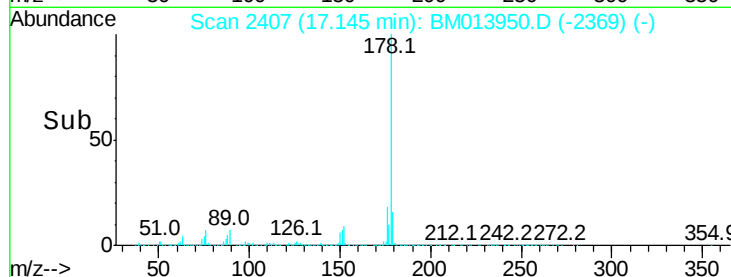
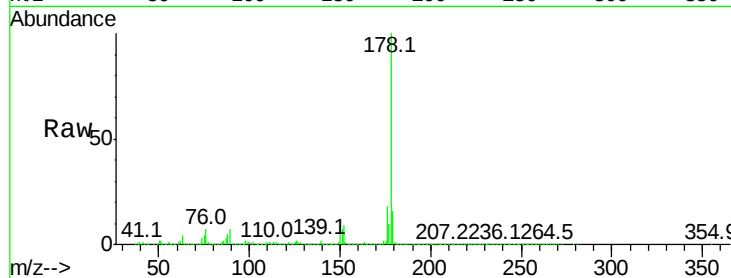
Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Tot Ion:178 Resp: 9227028

Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.7	17.5
176	18.4	14.6	21.8

Manual Integrations
 APPROVED

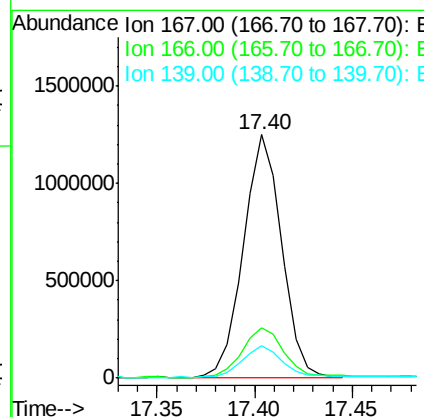
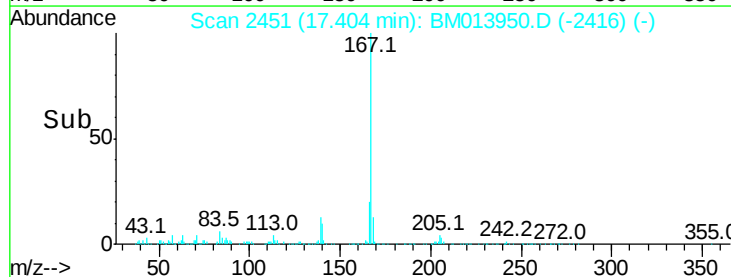
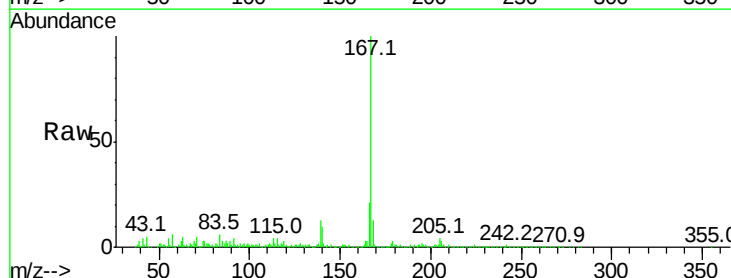
Sohil
 1/29/2018 6:09:01 PM

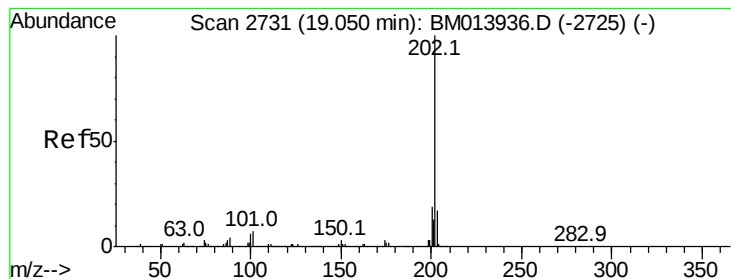


#72
 Carbazole
 Concen: 47.539 ng/ul
 RT: 17.40 min Scan# 2451
 Delta R.T. 0.01 min
 Lab File: BM013950.D
 Acq: 29 Jan 2018 07:47

Tgt Ion:167 Resp: 1683758

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.1	25.7
139	13.2	10.0	15.0





#74

Fluoranthene

Concen: 495.093 ng/ul m

RT: 19.07 min Scan# 2734

Delta R.T. 0.02 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampleId :

F6B34

Tot Ion:202 Resp:24584534

Ion Ratio Lower Upper

202 100

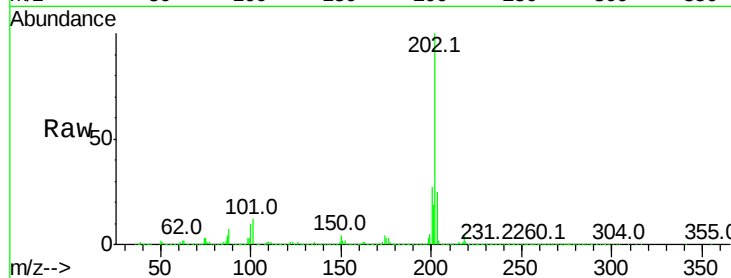
101 12.2 4.6 7.0#

100 9.6 3.4 5.2#

Manual Integrations
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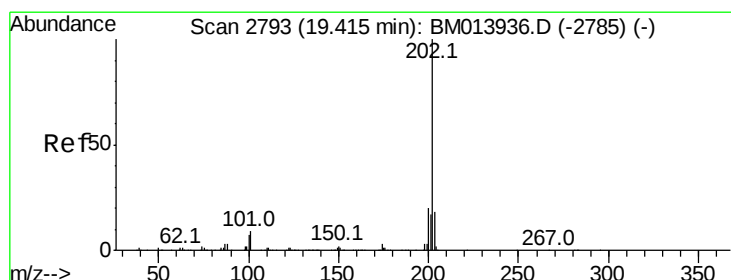
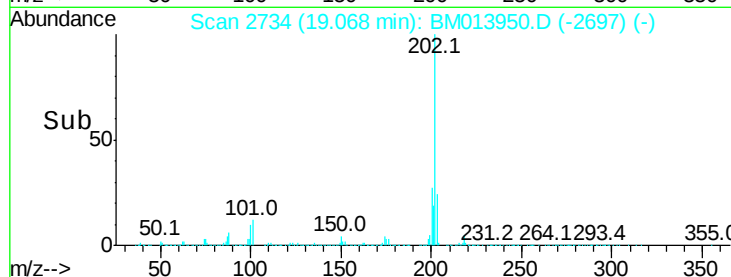
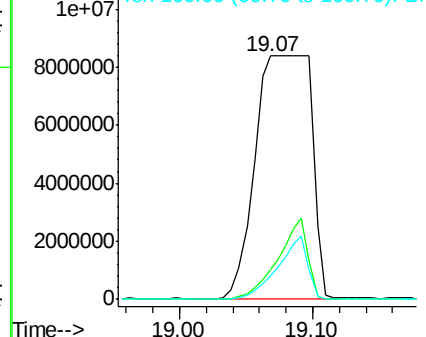
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 427.857 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.02 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Tgt Ion:202 Resp:21225193

Ion Ratio Lower Upper

202 100

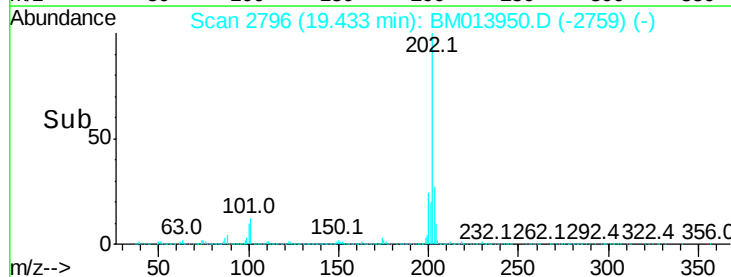
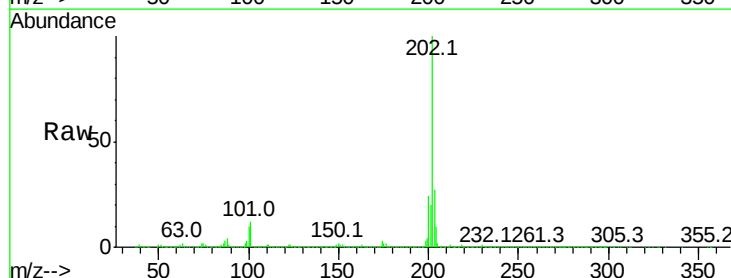
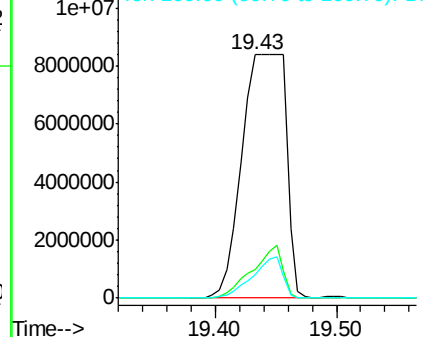
101 11.9 5.1 7.7#

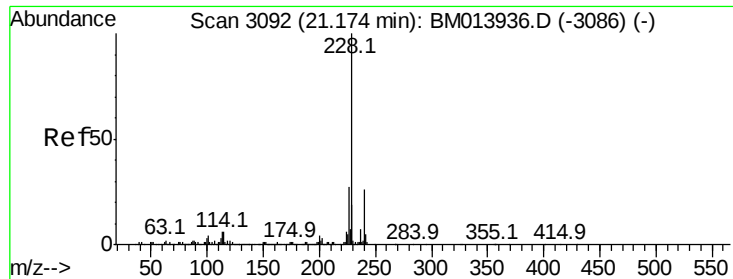
100 9.5 4.9 7.3#

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





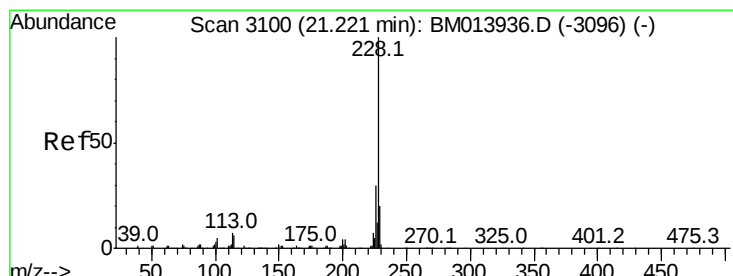
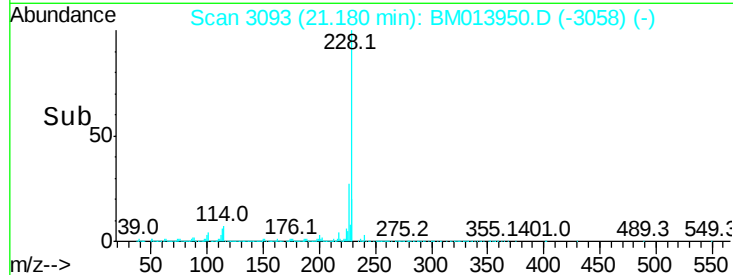
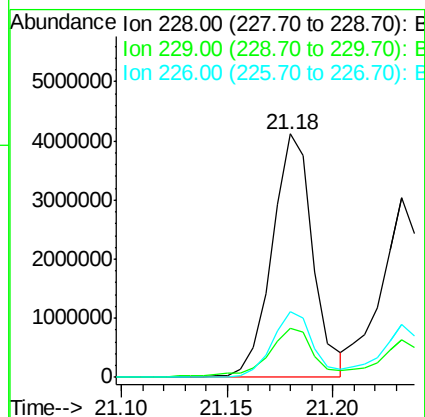
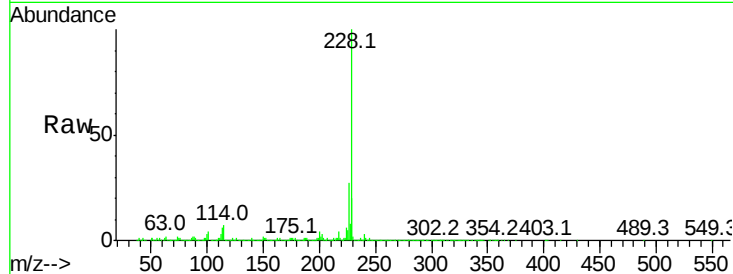
#80
Benzo(a)anthracene
Concen: 111.099 ng/ul
RT: 21.18 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Instrument :
BNA_M
ClientSampled :
F6B34

Tot Ion:228 Resp: 5478078
Ion Ratio Lower Upper
228 100
229 20.3 15.4 23.0
226 26.8 21.4 32.0

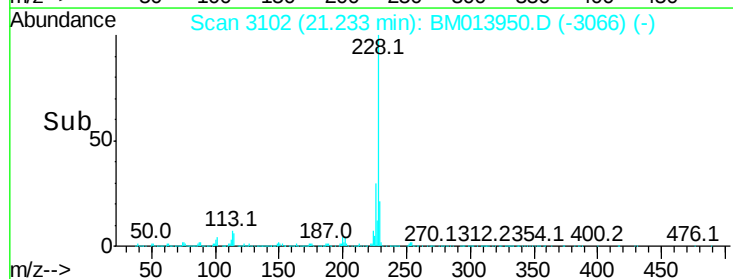
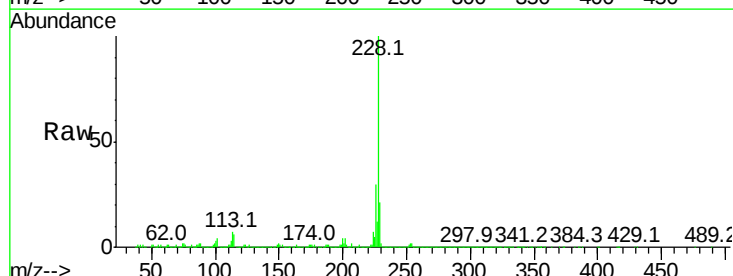
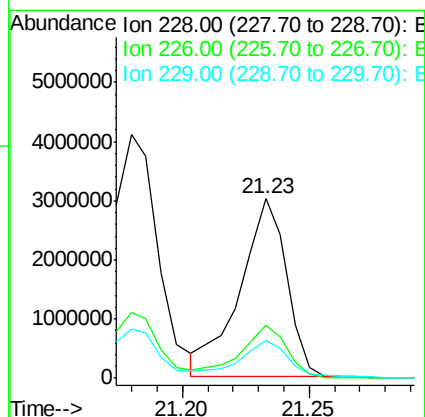
Manual Integrations
APPROVED

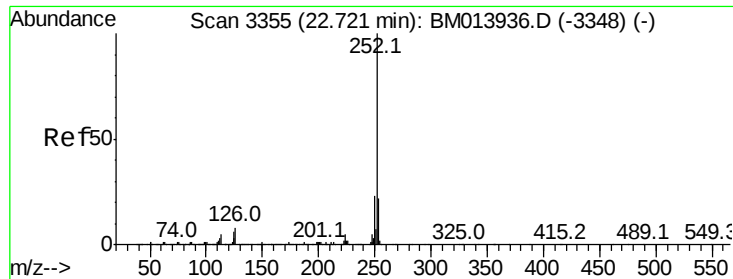
Sohil
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#82
Chrysene
Concen: 86.067 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion:228 Resp: 3893170
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 21.1 15.5 23.3





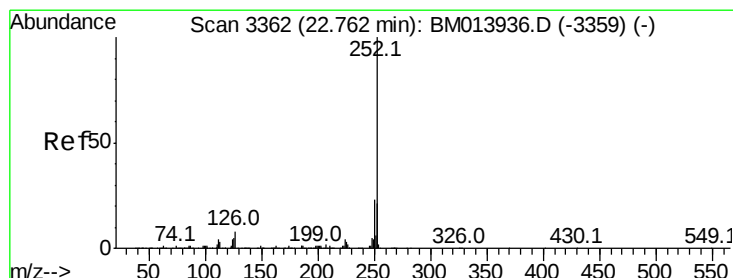
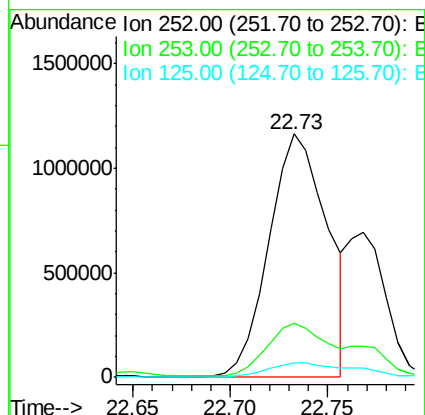
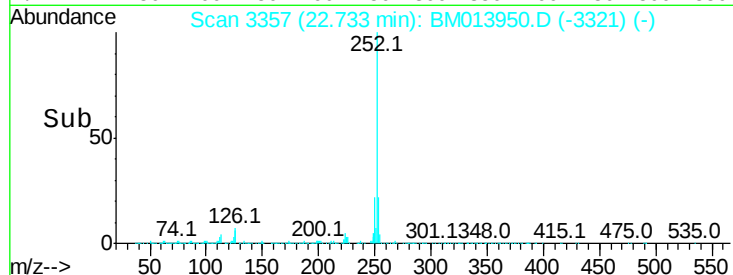
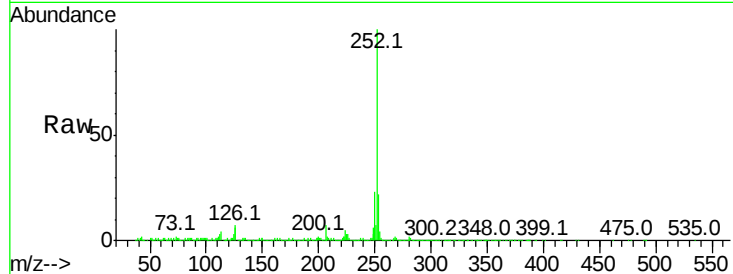
#85
Benzo(b)fluoranthene
Concen: 49.151 ng/ul
RT: 22.73 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Instrument :
BNA_M
ClientSampleId :
F6B34

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	6.1	3.6	5.4

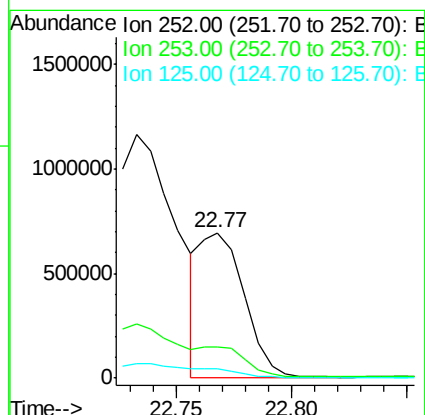
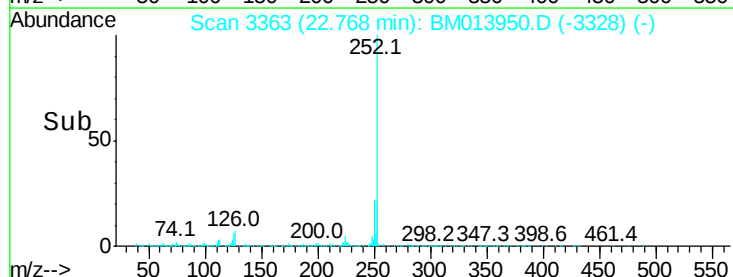
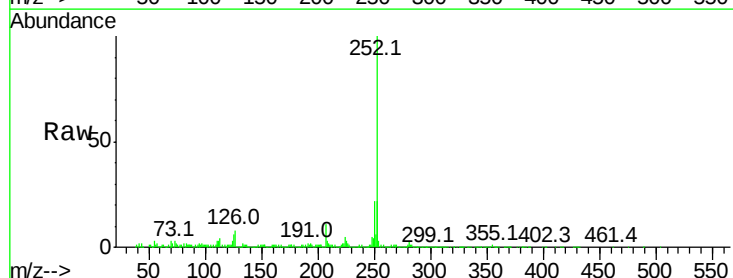
Manual Integrations
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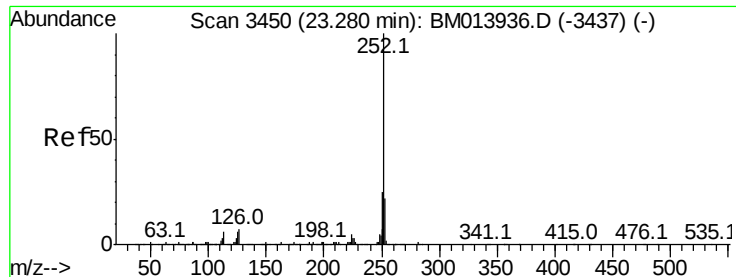
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#86
Benzo(k)fluoranthene
Concen: 19.312 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	6.2	3.4	5.2





#88

Benzo(a)pyrene

Concen: 29.772 ng/ul

RT: 23.29 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampleId :

F6B34

Tot Ion:252 Resp: 1371294

Ion Ratio Lower Upper

252 100

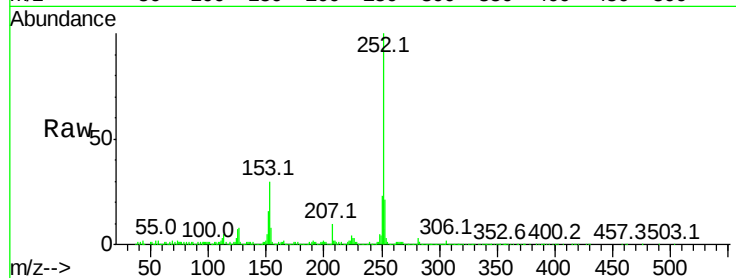
253 21.5 18.2 27.2

125 6.6 4.0 6.0#

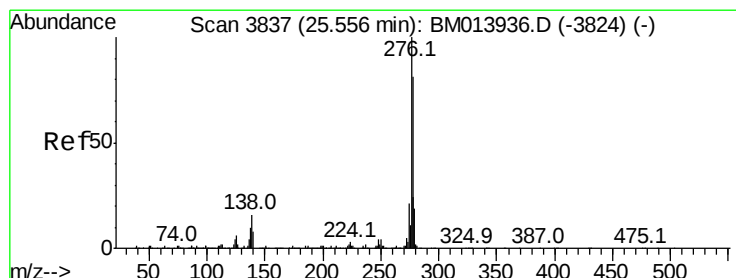
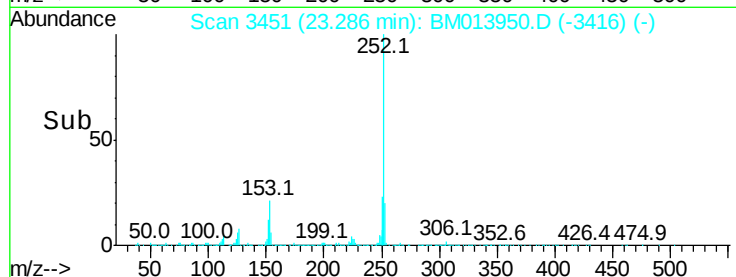
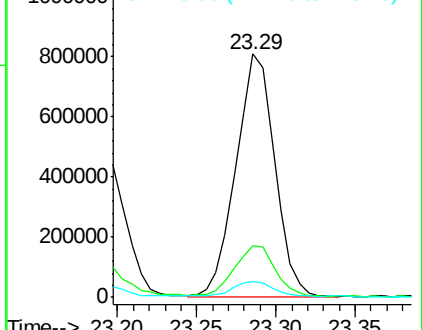
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 7.644 ng/ul

RT: 25.56 min Scan# 3837

Delta R.T. 0.00 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

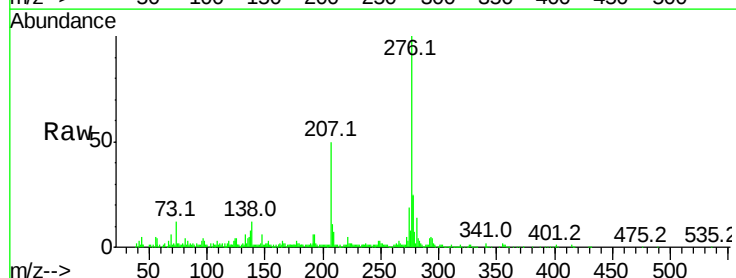
Tgt Ion:276 Resp: 415590

Ion Ratio Lower Upper

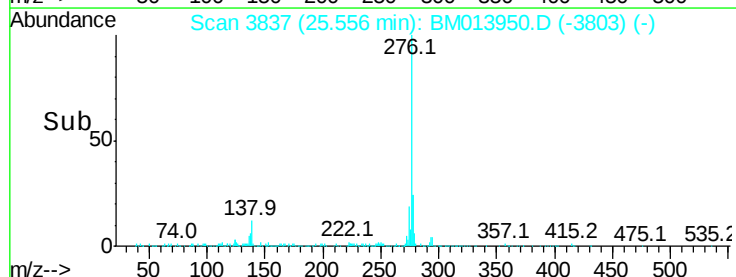
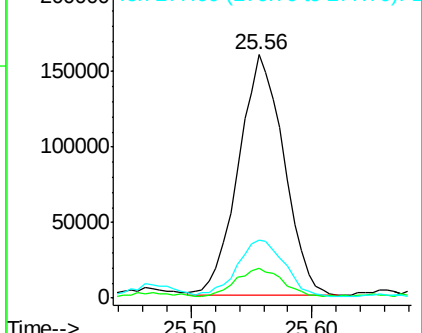
276 100

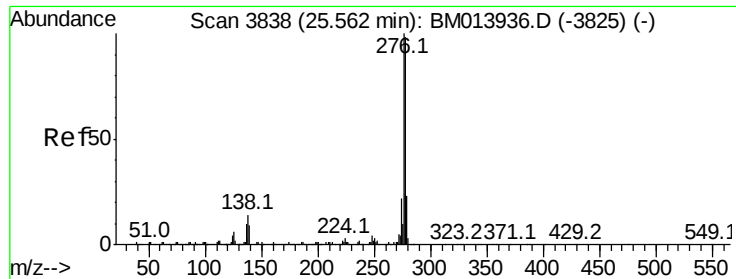
138 12.4 9.3 13.9

277 24.1 19.9 29.9



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





#90

Dibenzo(a,h)anthracene

Concen: 2.719 ng/ul

RT: 25.56 min Scan# 3838

Delta R.T. 0.00 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

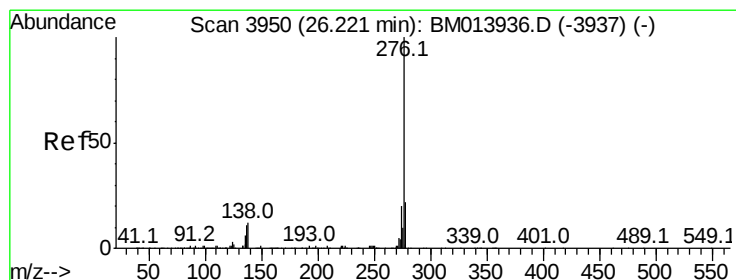
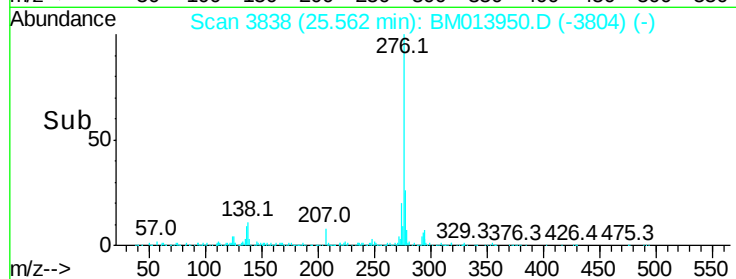
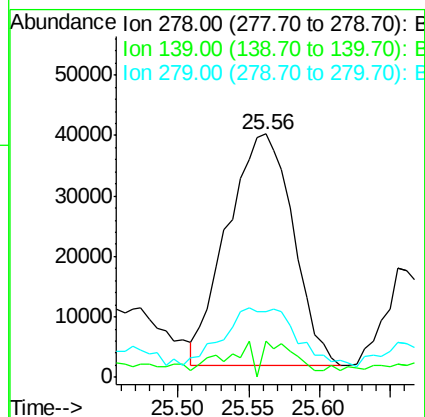
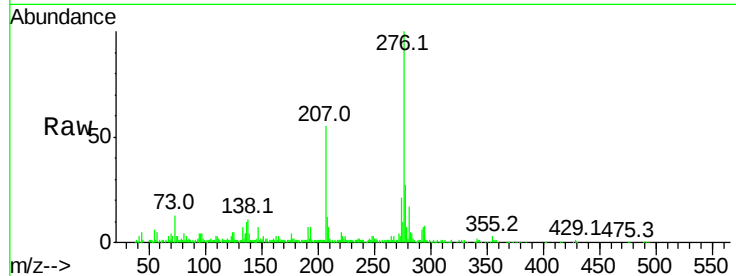
ClientSampled :

F6B34

Tot Ion:	278	Resp:	124843
Ion Ratio	Lower	Upper	
278	100		
139	14.9	5.8	8.8#
279	26.9	18.6	27.8

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.004 ng/ul

RT: 26.22 min Scan# 3950

Delta R.T. 0.00 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Tgt Ion:	276	Resp:	268690
Ion Ratio	Lower	Upper	
276	100		
138	12.8	8.5	12.7#
277	25.7	18.6	28.0

