

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014419.D
 Acq On : 01 Mar 2018 02:09
 Operator : SJ/JU
 Sample : J1646-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:15:28 PM

Quant Time: Mar 01 03:10:22 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	82266	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	388627	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	259343	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	644399	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	814978	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	786427	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	10344m	5.38	ng/uL	0.00
5) Phenol-d5	6.71	99	258352	37.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	159184	37.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	205120	38.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	221651	36.43	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	116271	40.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	128607	43.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	231425	37.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	267630	44.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	892290	41.66	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1112117	42.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	113048	38.23	ng/ul	0.00
57) Fluorene-d10	15.17	176	793809	41.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	115941	29.99	ng/ul	0.00
70) Anthracene-d10	17.03	188	1278128	41.11	ng/ul	0.00
76) Pyrene-d10	19.34	212	1590719	37.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1572364	41.08	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.74	94	29842	4.090	ng/ul 97
28) Naphthalene	10.33	128	56399m	2.826	ng/ul
34) 2-Methylnaphthalene	11.97	142	31097	2.047	ng/ul 88
44) Dimethylphthalate	13.65	163	211204	10.001	ng/ul 97
47) Acenaphthylene	13.89	152	198496	7.952	ng/ul 98
49) Acenaphthene	14.24	153	102823	5.850	ng/ul 99
53) Dibenzofuran	14.58	168	187181	7.102	ng/ul# 87
58) Fluorene	15.23	166	168079	7.387	ng/ul# 96
69) Phenanthrene	16.98	178	3587194	96.618	ng/ul 100
71) Anthracene	17.07	178	549187	14.708	ng/ul 98
72) Carbazole	17.35	167	171016	5.447	ng/ul 97
74) Fluoranthene	19.01	202	4274618	96.367	ng/ul# 91
77) Pyrene	19.38	202	3683587	68.012	ng/ul# 93
80) Benzo(a)anthracene	21.14	228	1572074	30.908	ng/ul 97
81) Bis(2-ethylhexyl)phthalate	21.07	149	90710	2.828	ng/ul# 96
82) Chrysene	21.19	228	1385451	29.199	ng/ul 97
85) Benzo(b)fluoranthene	22.69	252	1659846	31.521	ng/ul# 98
86) Benzo(k)fluoranthene	22.72	252	503685	10.061	ng/ul# 94
88) Benzo(a)pyrene	23.23	252	1189659	25.282	ng/ul# 98
89) Indeno(1,2,3-cd)pyrene	25.49	276	640646	14.031	ng/ul 97
90) Dibenzo(a,h)anthracene	25.48	278	175343	4.621	ng/ul# 88
91) Benzo(a,h,i)perylene	26.14	276	422441	11.421	ng/ul# 94

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Quant Title : SVOA CALIBRATION
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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

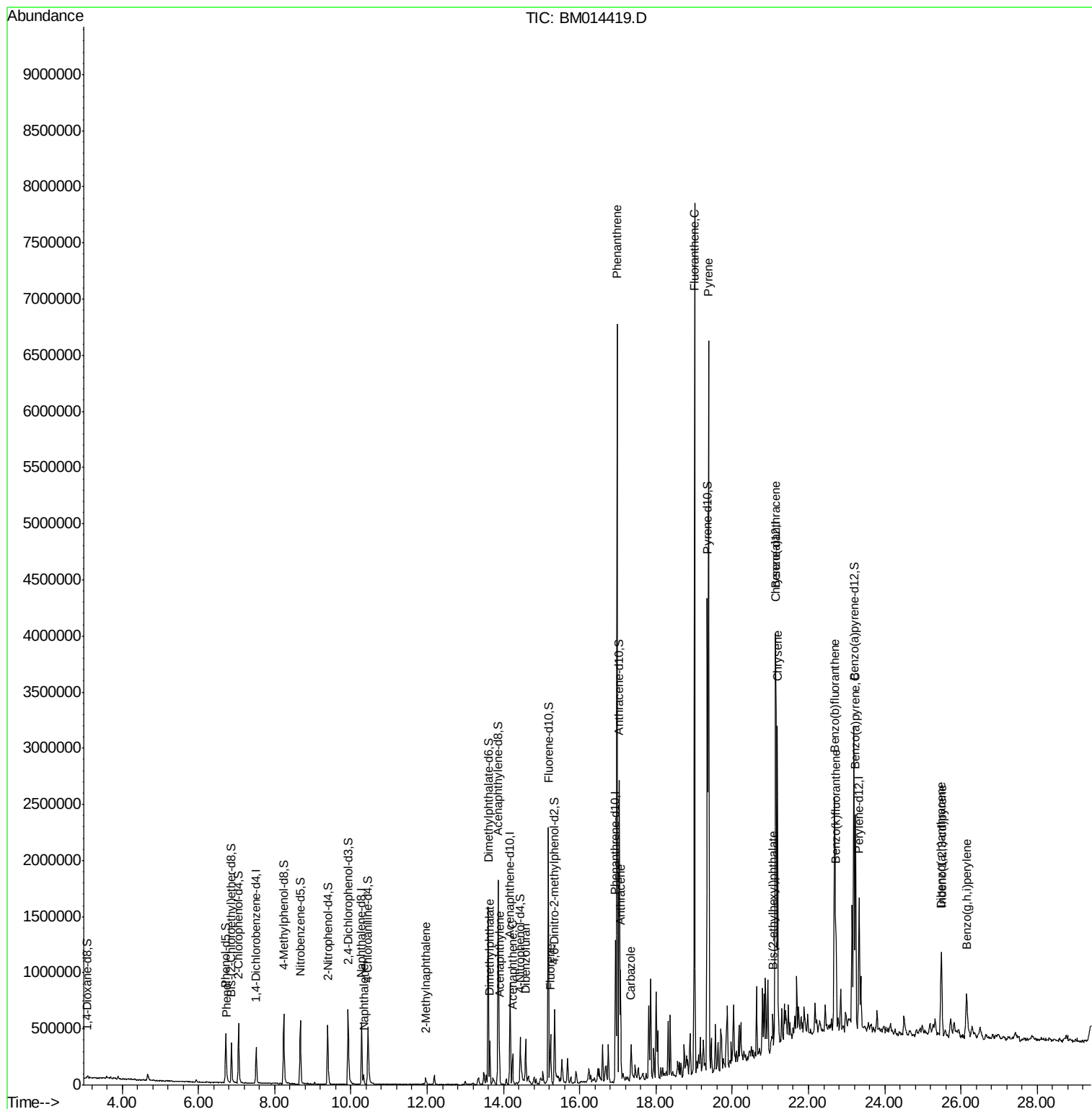
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014419.D
Acq On : 01 Mar 2018 02:09
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

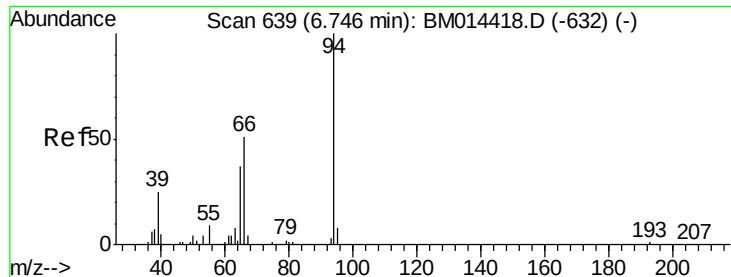
Instrument :
BNA_M
ClientSampleId :
BE5X4

Manual Integrations
APPROVED

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#6

Phenol

Concen: 4.090 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

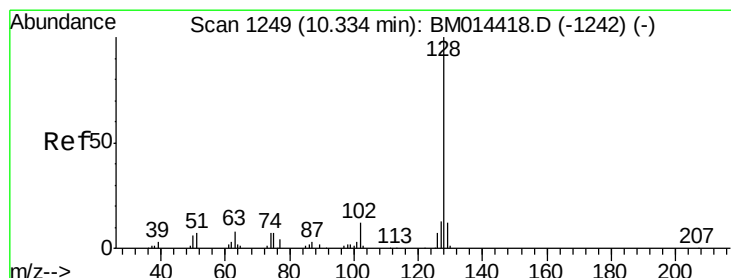
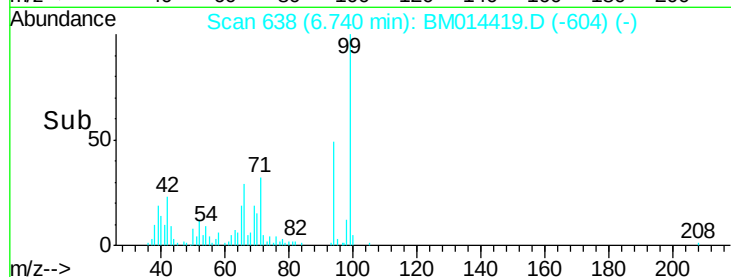
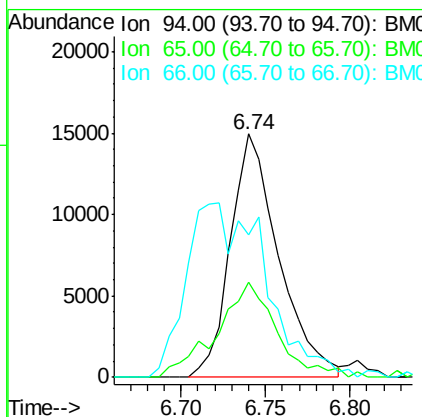
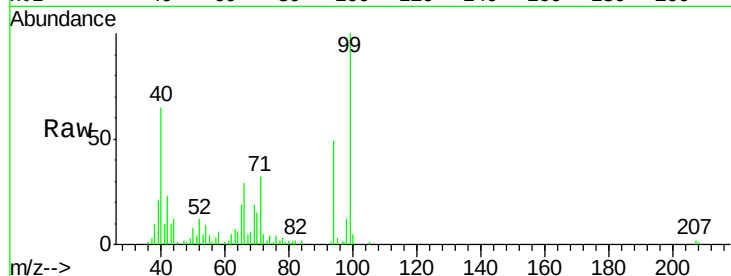
ClientSampled :

BE5X4

Tot Ion:	94	Resp:	29842
Ion	Ratio	Lower	Upper
94	100		
65	39.2	28.2	42.4
66	58.6	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 2.826 ng/ul m

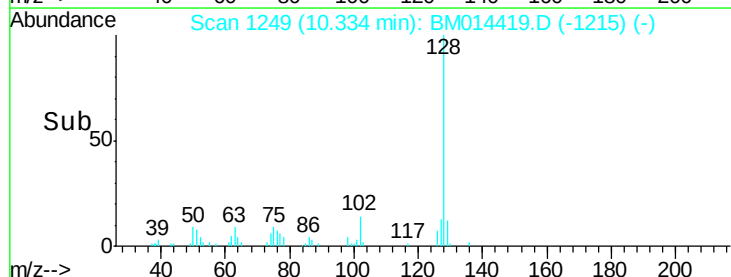
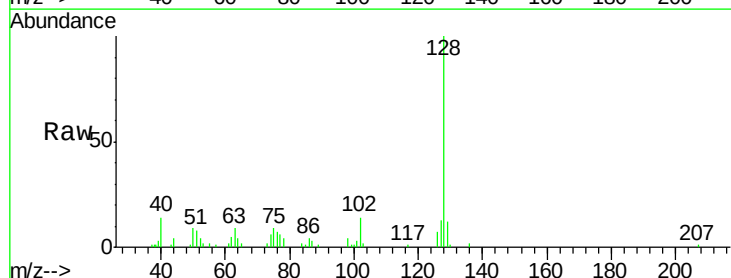
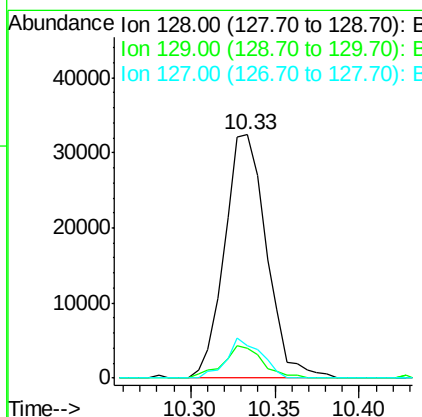
RT: 10.33 min Scan# 1249

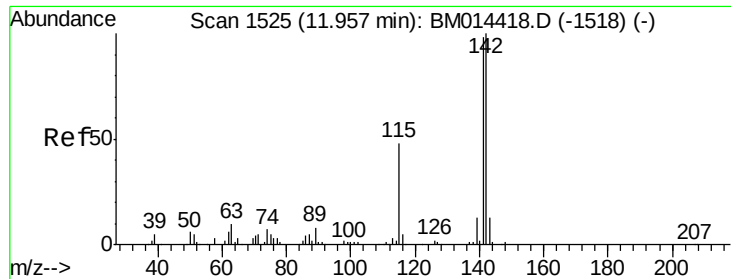
Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Tgt Ion:	128	Resp:	56399
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.8	13.2
127	13.2	10.6	16.0





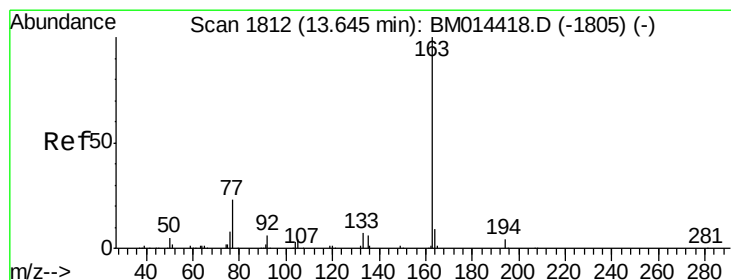
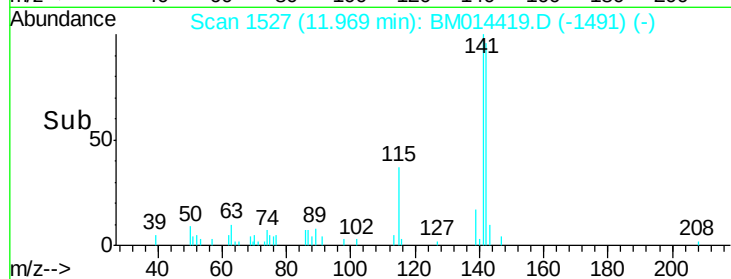
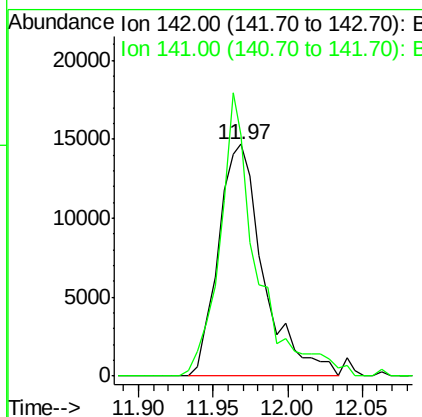
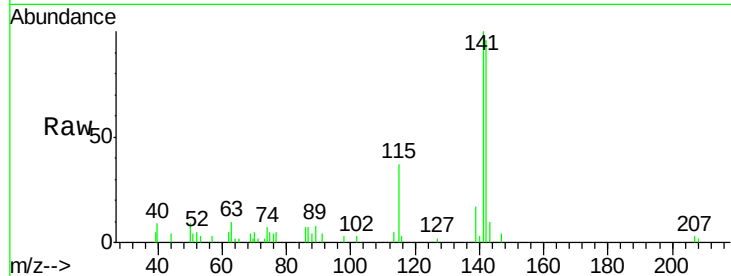
#34
2-Methylnaphthalene
Concen: 2.047 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Instrument :
BNA_M
ClientSampleId :
BE5X4

Tot Ion	Ratio	Lower	Upper
142	100		
141	103.9	74.1	111.1

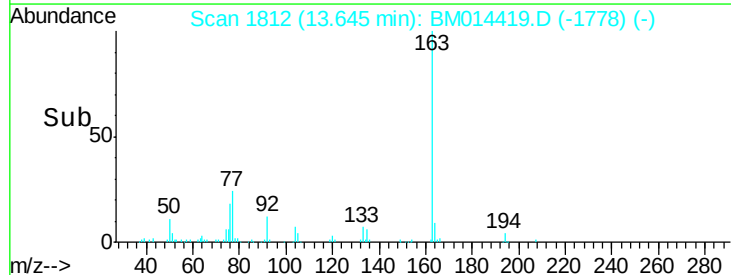
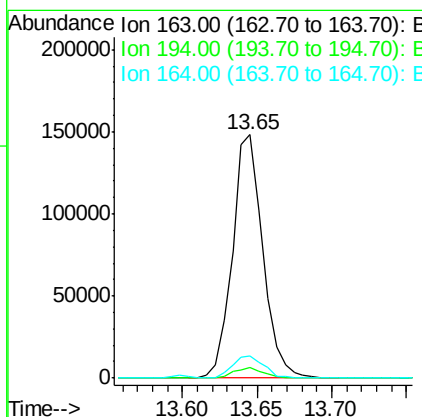
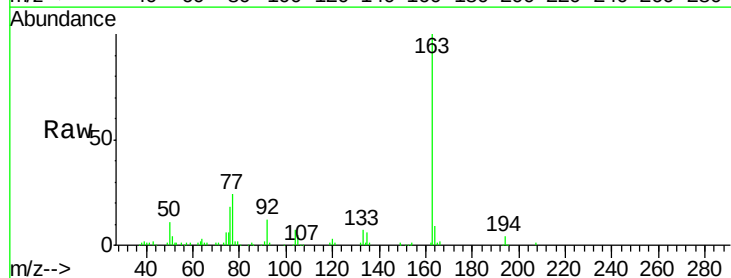
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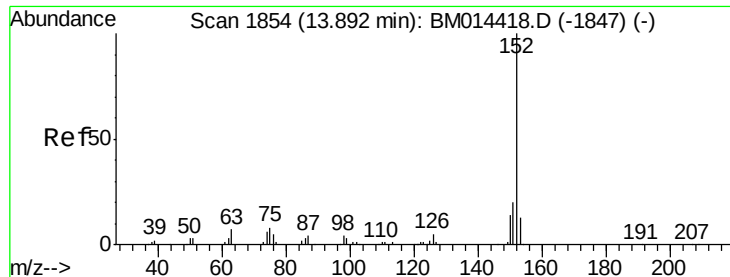
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#44
Dimethylphthalate
Concen: 10.001 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.0	8.2	12.4





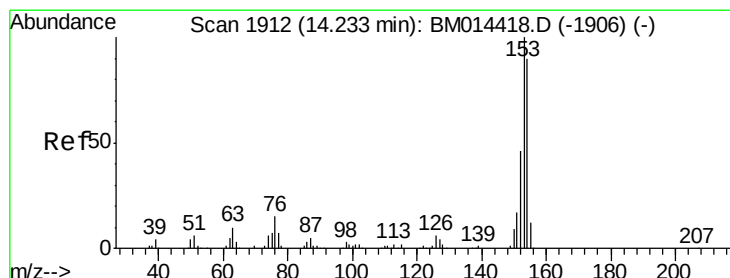
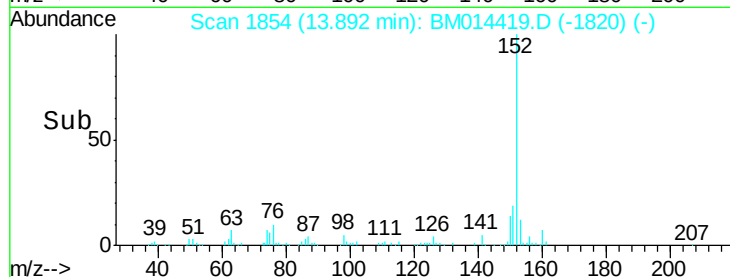
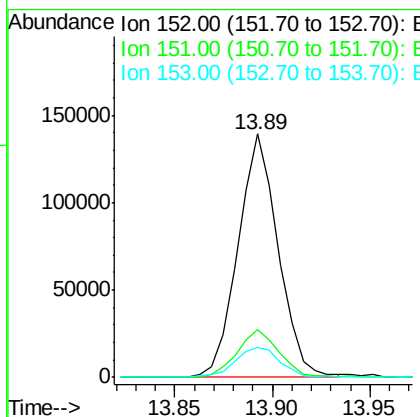
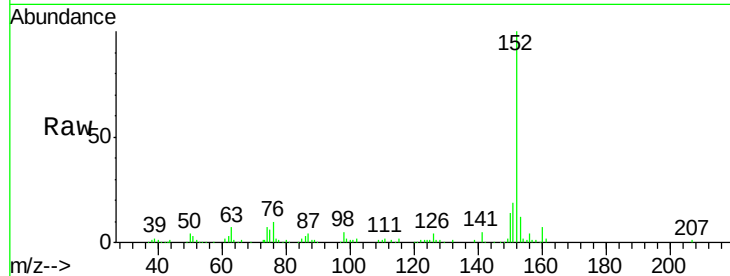
#47
Acenaphthylene
Concen: 7.952 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Instrument :
BNA_M
ClientSampleId :
BE5X4

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	12.1	10.2	15.4

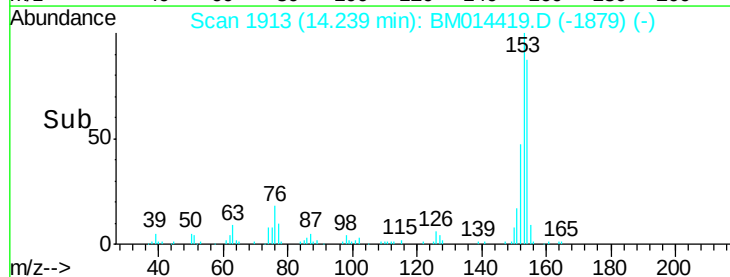
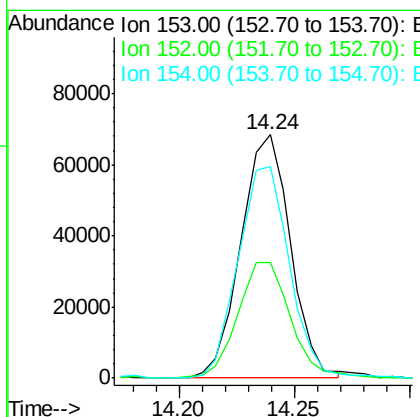
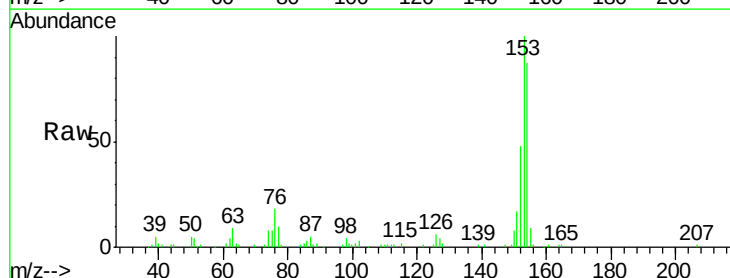
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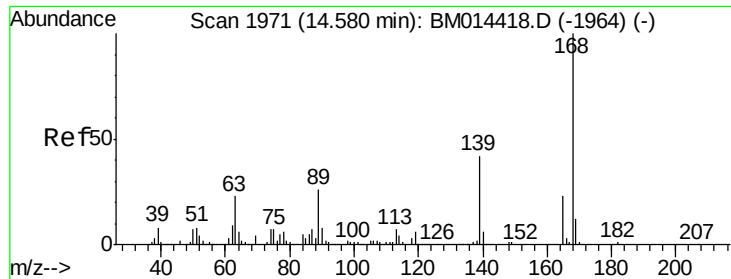
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#49
Acenaphthene
Concen: 5.850 ng/ul
RT: 14.24 min Scan# 1913
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.7	37.6	56.4
154	86.8	70.4	105.6





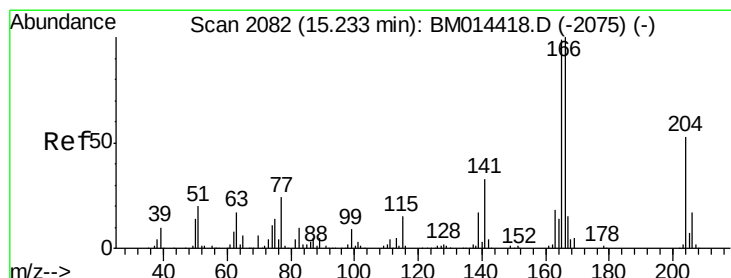
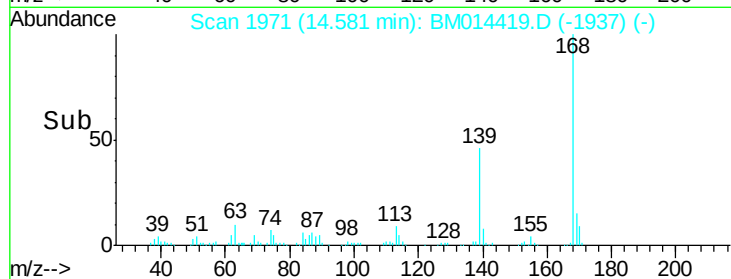
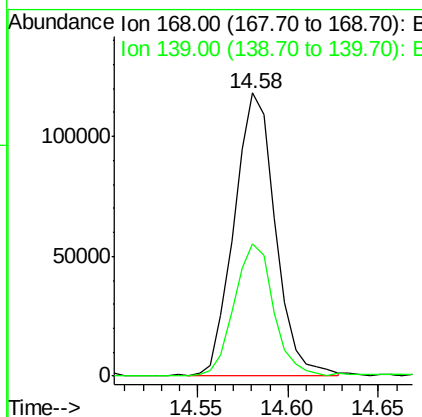
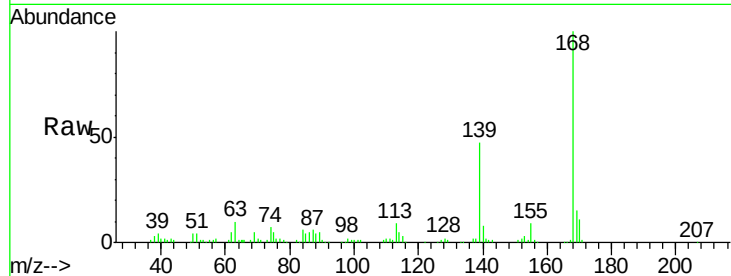
#53
Dibenzenofuran
Concen: 7.102 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Instrument :
BNA_M
ClientSampled :
BE5X4

Tot Ion	Ratio	Lower	Upper
168	100		
139	46.5	30.8	46.2#

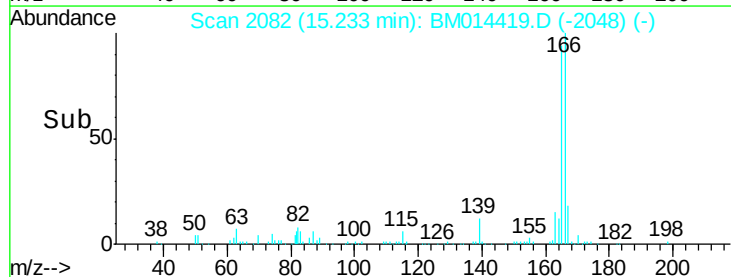
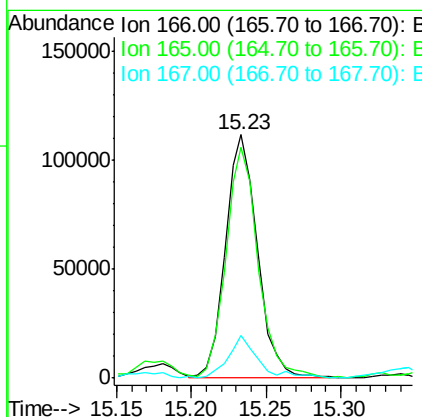
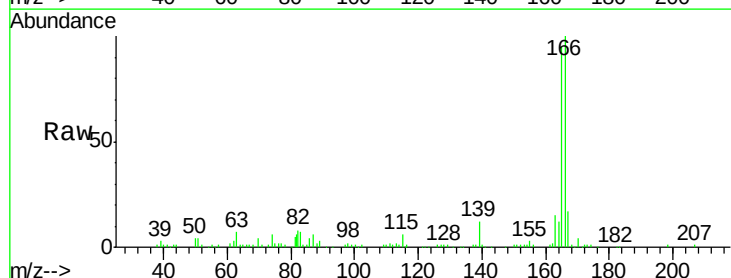
Manual Integrations
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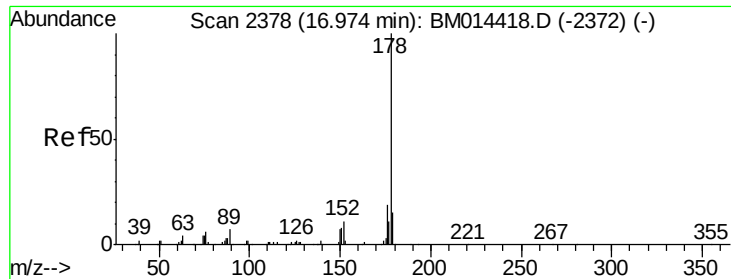
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#58
Fluorene
Concen: 7.387 ng/ul
RT: 15.23 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.6	77.9	116.9
167	17.5	10.6	16.0#





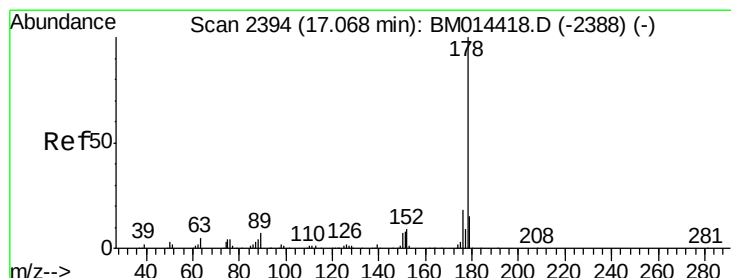
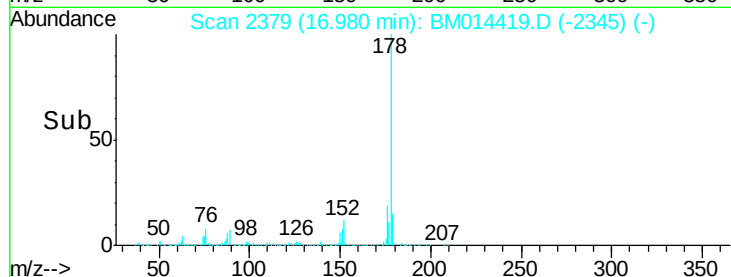
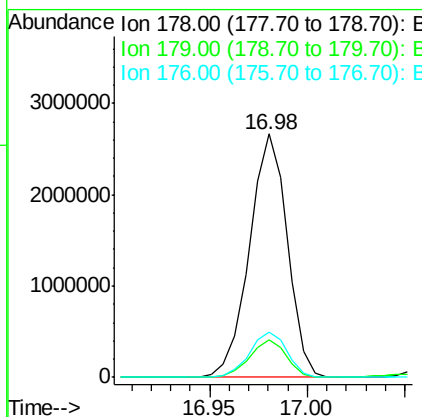
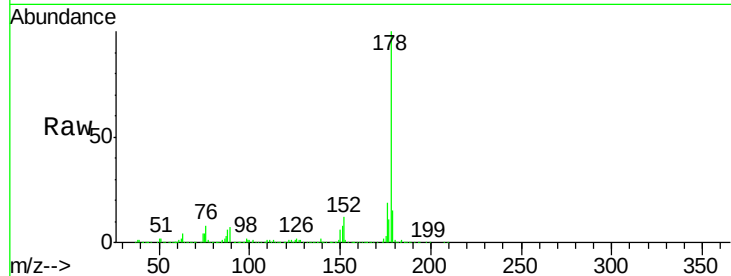
#69
Phenanthrene
Concen: 96.618 ng/ul
RT: 16.98 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Instrument :
BNA_M
ClientSampled :
BE5X4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	18.6	14.9	22.3

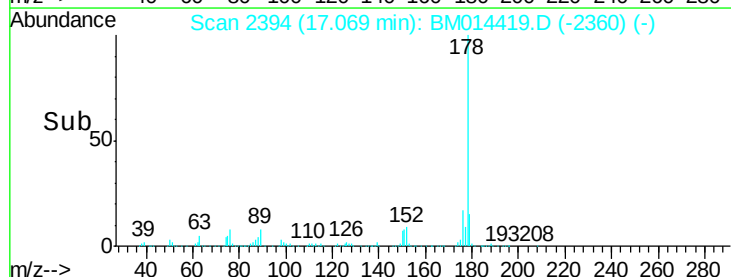
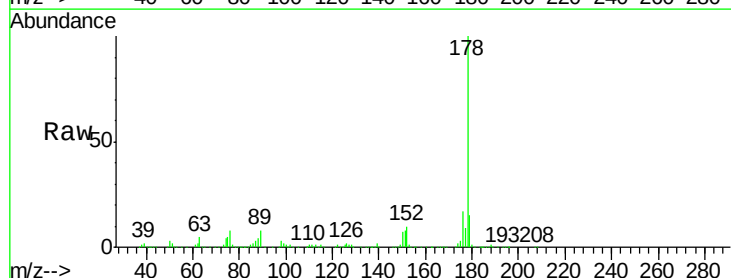
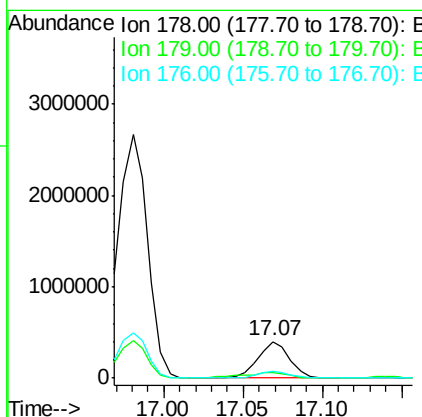
Manual Integrations
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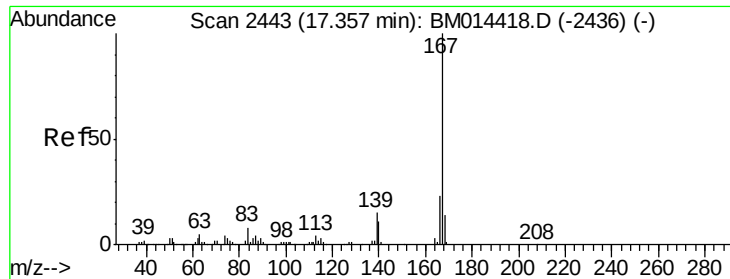
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#71
Anthracene
Concen: 14.708 ng/ul
RT: 17.07 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	17.4	14.6	21.8





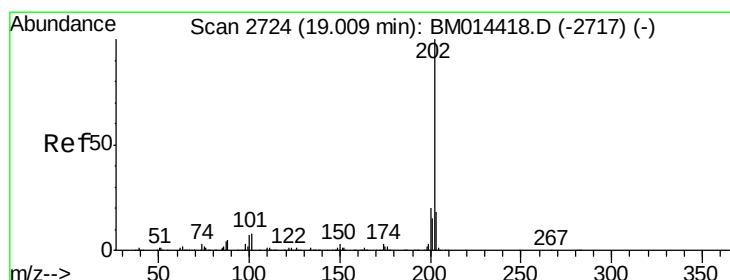
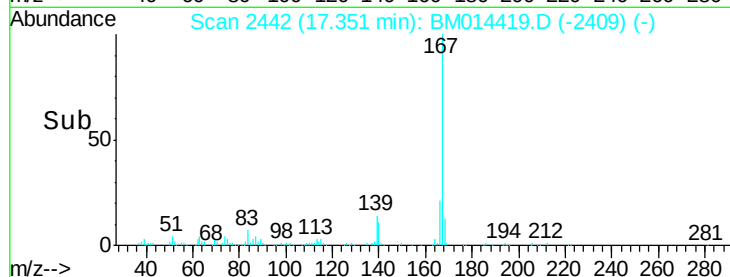
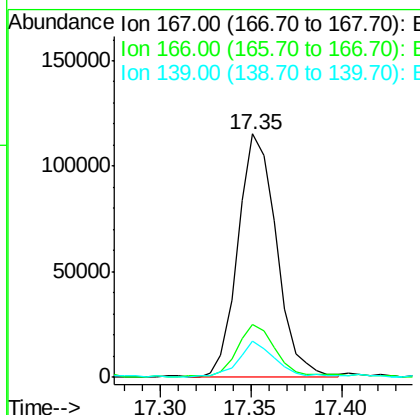
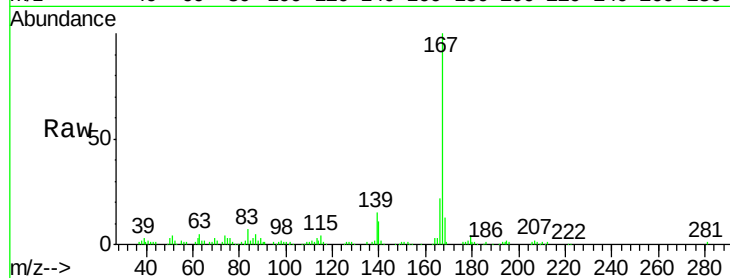
#72
 Carbazole
 Concen: 5.447 ng/ul
 RT: 17.35 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	21.7		17.1	25.7	
139	14.9		10.0	15.0	

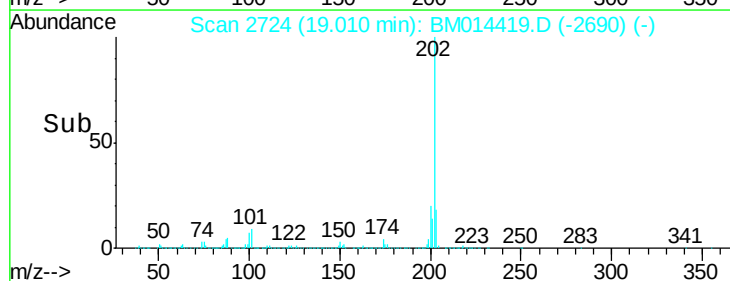
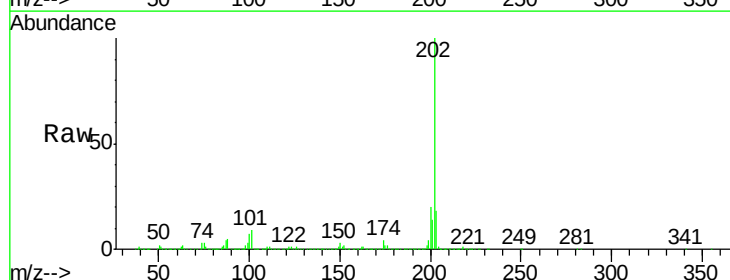
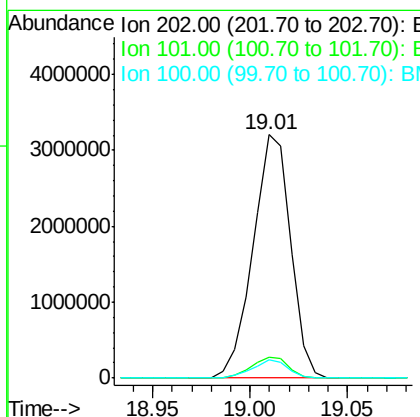
Manual Integrations
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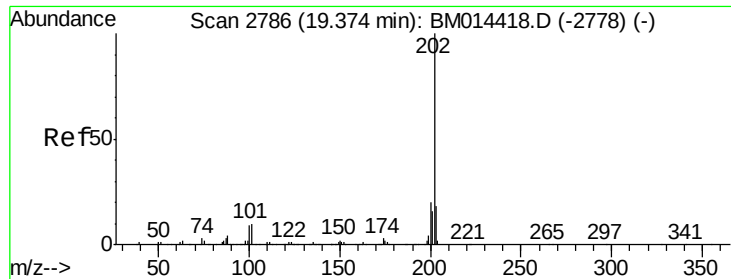
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#74
 Fluoranthene
 Concen: 96.367 ng/ul
 RT: 19.01 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	8.7		4.6	7.0#	
100	7.4		3.4	5.2#	





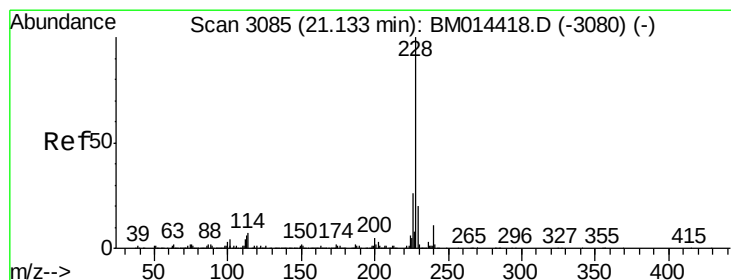
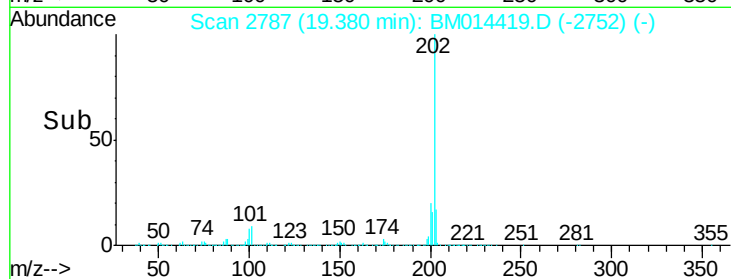
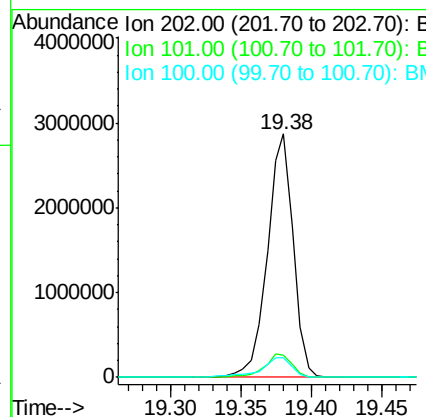
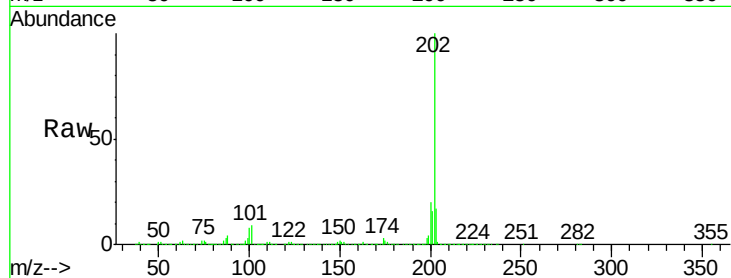
#77
 Pvrene
 Concen: 68.012 ng/ul
 RT: 19.38 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	5.1	7.7#
100	7.9	4.9	7.3#

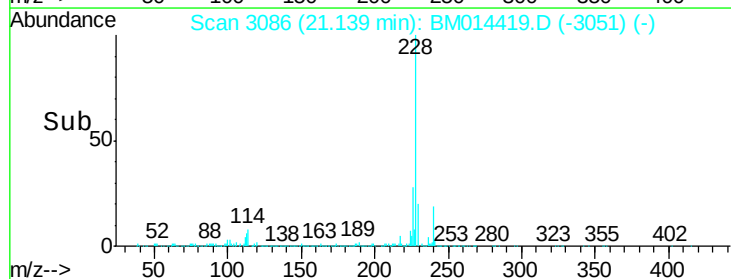
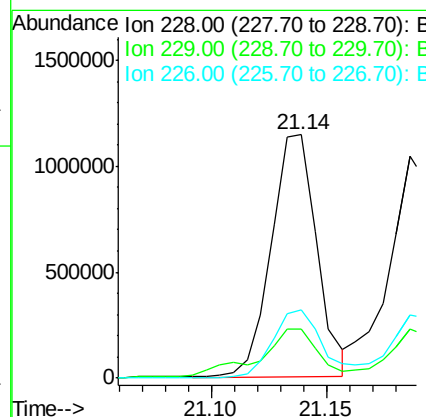
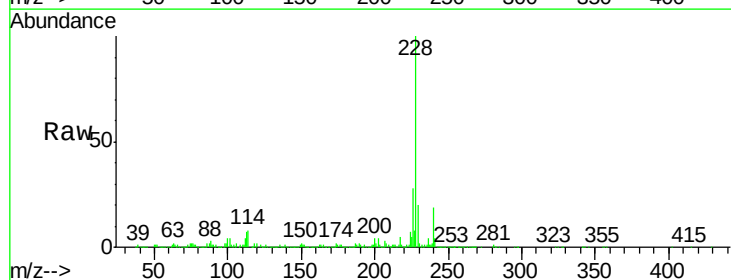
Manual Integrations
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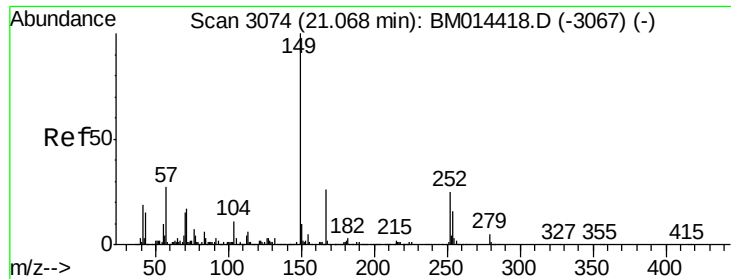
Sohil
 3/1/2018 5:15:28 PM



#80
 Benzo(a)anthracene
 Concen: 30.908 ng/ul
 RT: 21.14 min Scan# 3086
 Delta R.T. 0.01 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	28.2	21.4	32.0





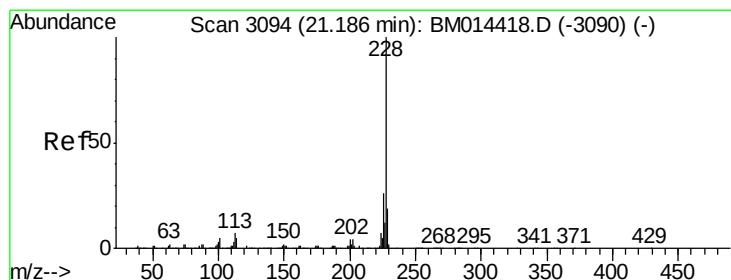
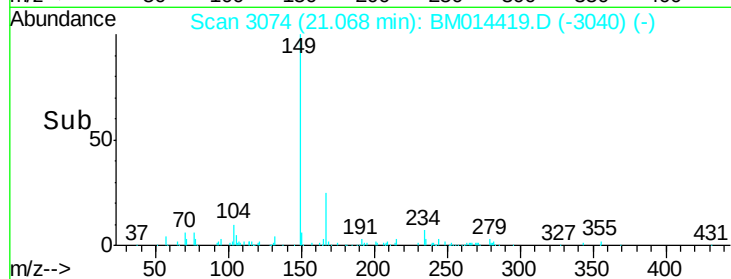
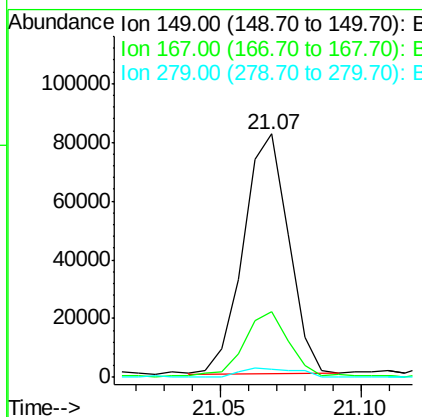
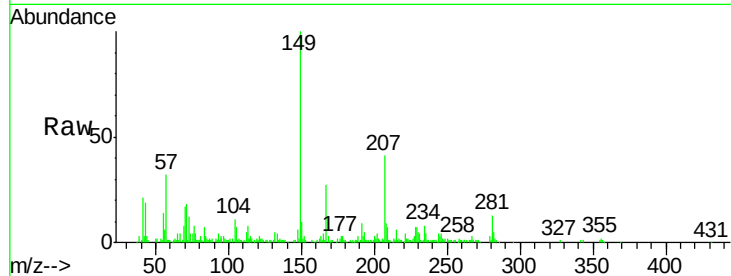
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.828 ng/ul
 RT: 21.07 min Scan# 3074
 Delta R.T. 0.00 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Instrument :
 BNA_M
 ClientSampled :
 BE5X4

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.8	34.2
279	3.4	4.9	7.3#

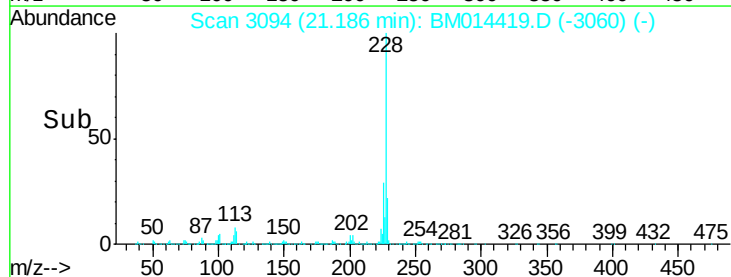
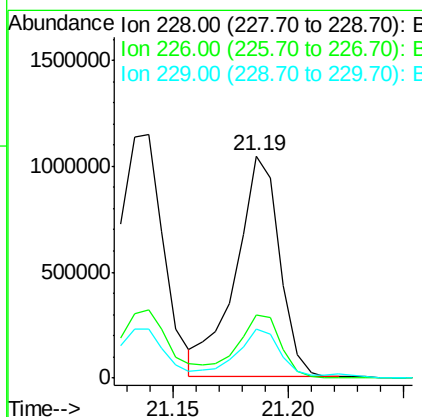
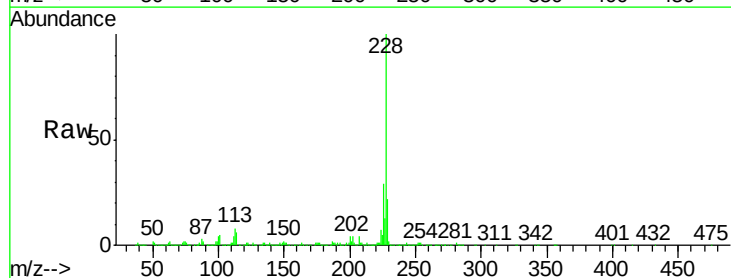
Manual Integrations
 APPROVED

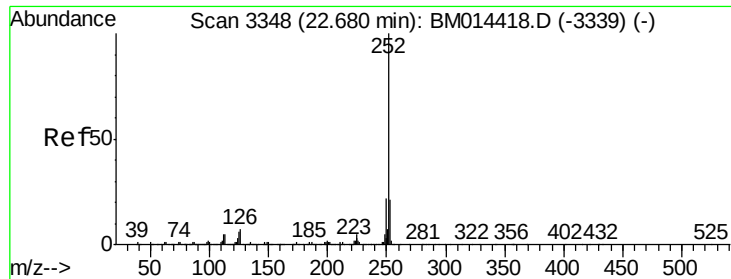
Sohil
 3/1/2018 5:15:28 PM



#82
 Chrysene
 Concen: 29.199 ng/ul
 RT: 21.19 min Scan# 3094
 Delta R.T. 0.00 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	22.0	15.5	23.3





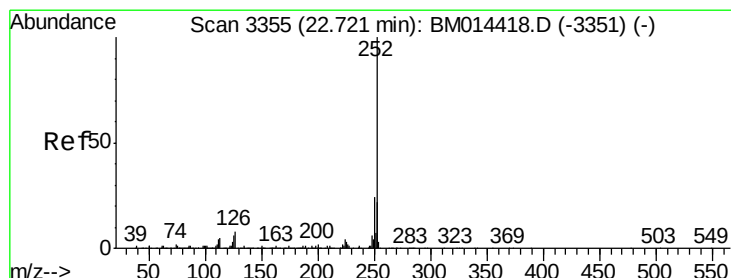
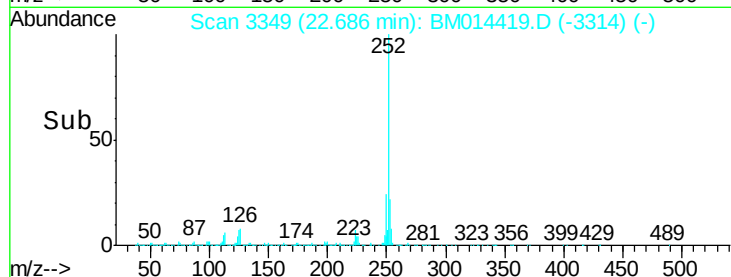
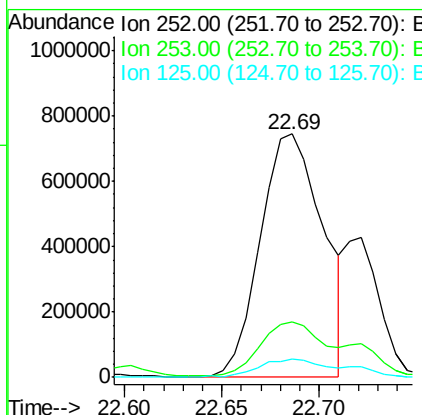
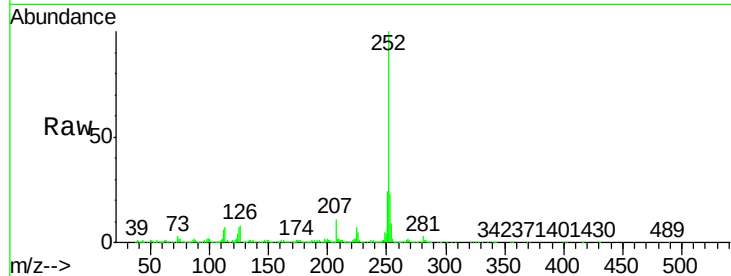
#85
Benzo(b)fluoranthene
Concen: 31.521 ng/ul
RT: 22.69 min Scan# 3349
Delta R.T. 0.01 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Instrument :
BNA_M
ClientSampled :
BE5X4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.4	3.6	5.4

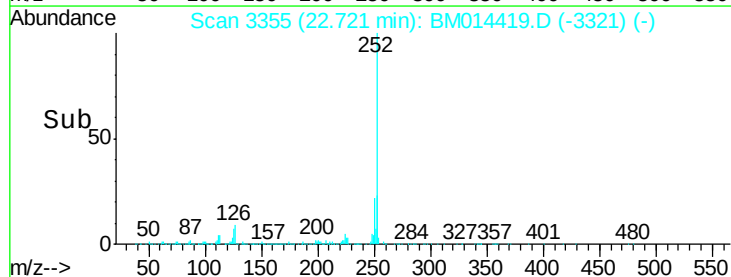
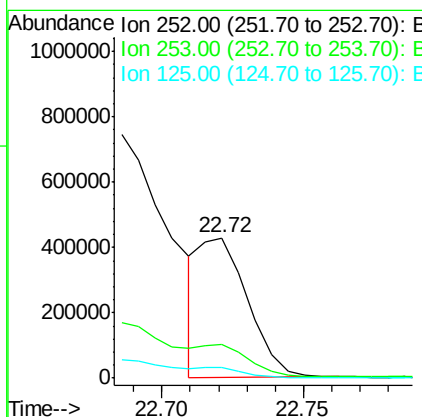
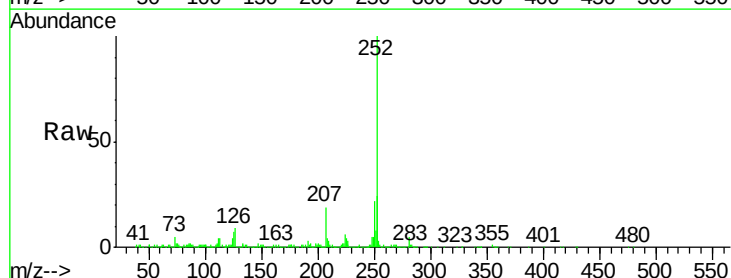
Manual Integrations
APPROVED

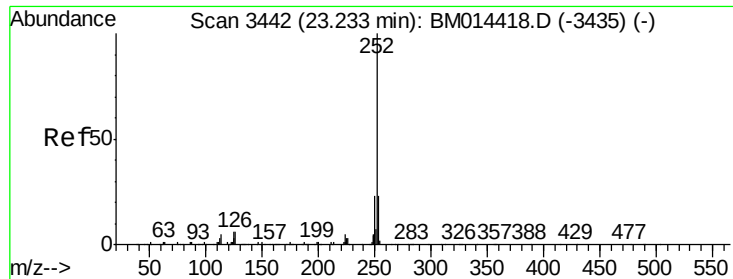
Sohil
3/1/2018 5:15:28 PM



#86
Benzo(k)fluoranthene
Concen: 10.061 ng/ul
RT: 22.72 min Scan# 3355
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	7.4	3.4	5.2





#88

Benzo(a)pyrene

Concen: 25.282 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

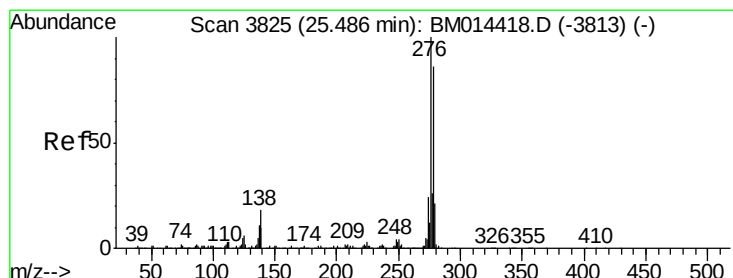
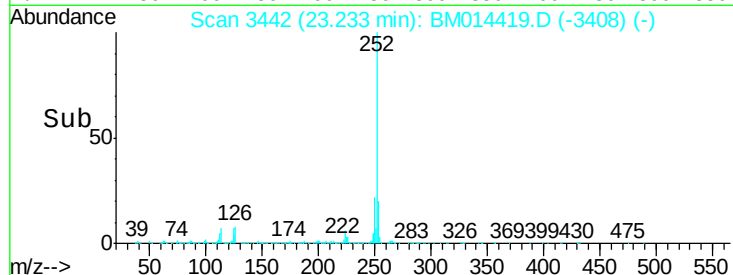
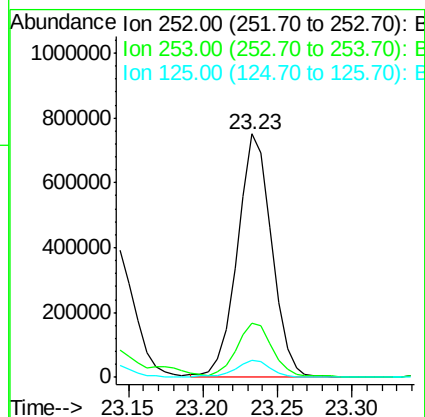
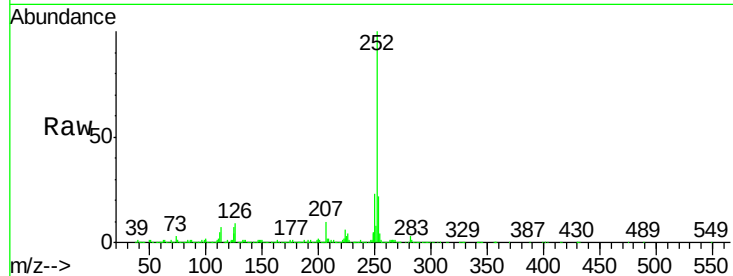
ClientSampled :

BE5X4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	7.1	4.0	6.0

Manual Integrations
APPROVED

Sohil
3/1/2018 5:15:28 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 14.031 ng/ul

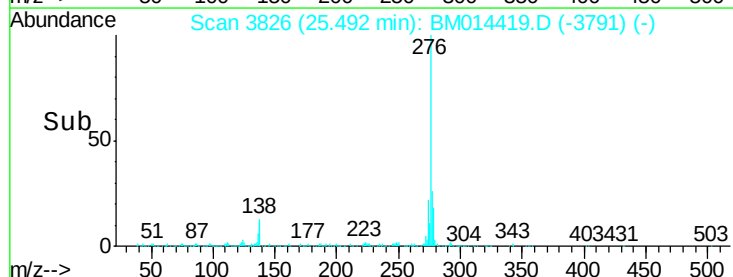
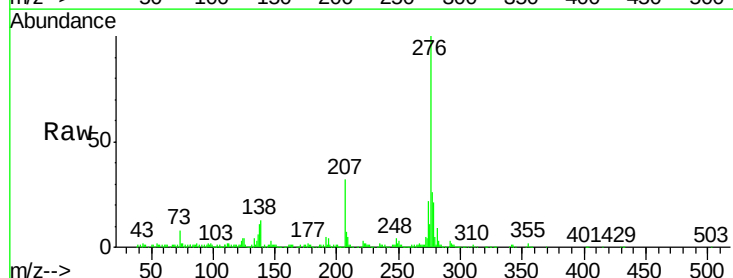
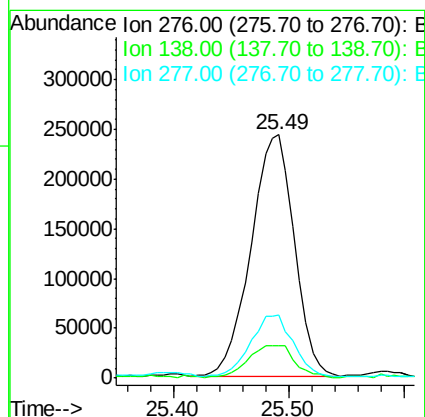
RT: 25.49 min Scan# 3826

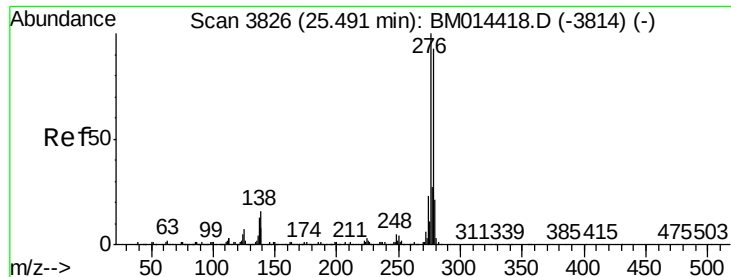
Delta R.T. 0.01 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.3	9.3	13.9
277	25.9	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 4.621 ng/ul

RT: 25.48 min Scan# 3824

Delta R.T. -0.01 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

ClientSampled :

BE5X4

Tot Ion:278 Resp: 175343

Ion Ratio Lower Upper

278 100

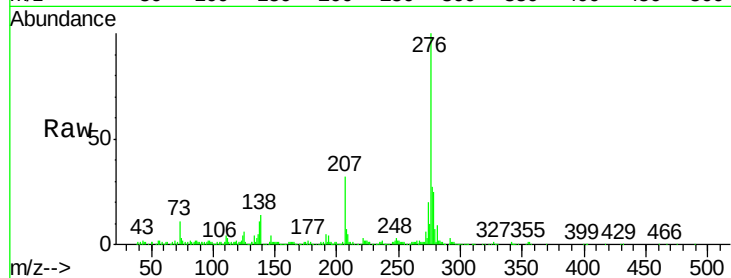
139 0.0 5.8 8.8#

279 27.7 18.6 27.8

Manual Integrations
APPROVED

Sohil

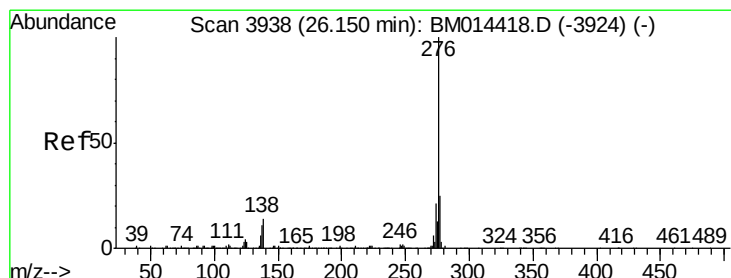
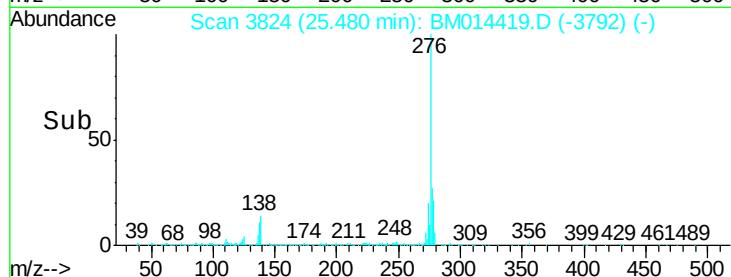
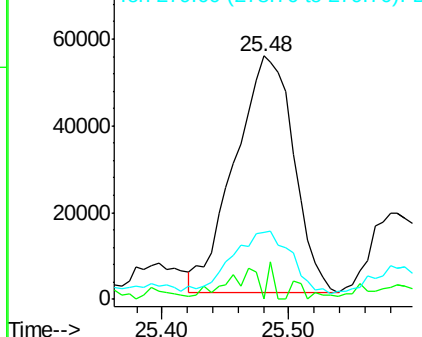
3/1/2018 5:15:28 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.421 ng/ul

RT: 26.14 min Scan# 3937

Delta R.T. -0.01 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Tgt Ion:276 Resp: 422441

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 21.8 18.6 28.0

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

