

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
 Data File : BM014772.D
 Acq On : 20 Apr 2018 20:31
 Operator : SJ/JU
 Sample : J2434-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 C0AC8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 3:40:43 PM

Quant Time: Apr 21 00:31:52 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 23:53:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	326988	20.00	ng/ul	0.00
18) Naphthalene-d8	11.39	136	1372888	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.14	164	719048	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	1510750	20.00	ng/ul	0.00
75) Chrysene-d12	21.94	240	1490059	20.00	ng/ul	0.00
83) Perylene-d12	24.44	264	1576962	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.68	96	35650	4.76	ng/uL	0.00
5) Phenol-d5	7.66	99	701338	27.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.85	67	467902	28.86	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	599372	28.34	ng/ul	0.00
13) 4-Methylphenol-d8	9.24	113	539820	26.78	ng/ul	0.00
19) Nitrobenzene-d5	9.73	128	288486	29.06	ng/ul	0.00
22) 2-Nitrophenol-d4	10.46	143	296019	29.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.99	165	574459	28.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	630465	31.80	ng/ul	0.00
43) Dimethylphthalate-d6	14.53	166	1699127	30.27	ng/ul	0.00
46) Acenaphthylene-d8	14.84	160	2191245	31.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.30	143	212974	20.44	ng/ul	0.00
57) Fluorene-d10	16.12	176	1461106	29.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.22	200	80490	9.85	ng/ul	0.00
70) Anthracene-d10	17.95	188	2166813	30.78	ng/ul	0.00
76) Pyrene-d10	20.19	212	2239362	31.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.29	264	2291621	29.58	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	7.69	94	135641	5.454	ng/ul#	79
44) Dimethylphthalate	14.58	163	378307	6.972	ng/ul	99
49) Acenaphthene	15.20	153	87178	1.827	ng/ul	97
69) Phenanthrene	17.90	178	1534395	18.912	ng/ul	99
71) Anthracene	17.99	178	321641	3.906	ng/ul	98
72) Carbazole	18.24	167	276148	3.931	ng/ul	98
74) Fluoranthene	19.86	202	6336801	71.637	ng/ul#	82
77) Pyrene	20.22	202	6501366	74.676	ng/ul#	80
80) Benzo(a)anthracene	21.93	228	5359424	61.507	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.80	149	124094	2.380	ng/ul#	96
82) Chrysene	21.99	228	5930849	72.707	ng/ul	96
85) Benzo(b)fluoranthene	23.69	252	11239238	120.903	ng/ul#	94
86) Benzo(k)fluoranthene	23.73	252	3367473m	37.671	ng/ul	
88) Benzo(a)pyrene	24.34	252	8408751	95.358	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.06	276	6256061	58.645	ng/ul#	91
90) Dibenzo(a,h)anthracene	27.05	278	1638211	18.239	ng/ul#	91
91) Benzo(g,h,i)perylene	27.86	276	6323954	72.059	ng/ul#	89

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

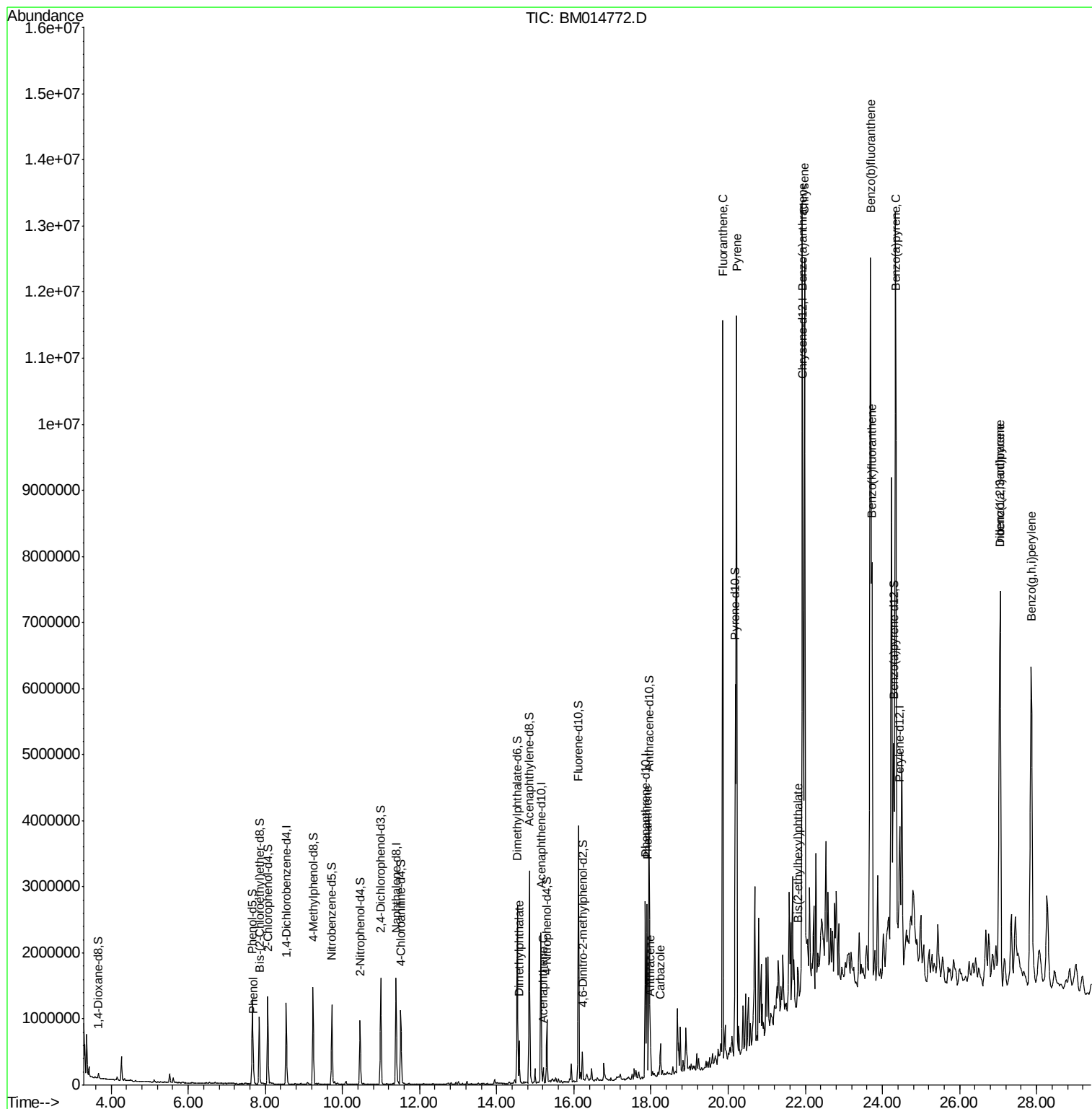
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014772.D
Acq On : 20 Apr 2018 20:31
Operator : SJ/JU
Sample : J2434-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

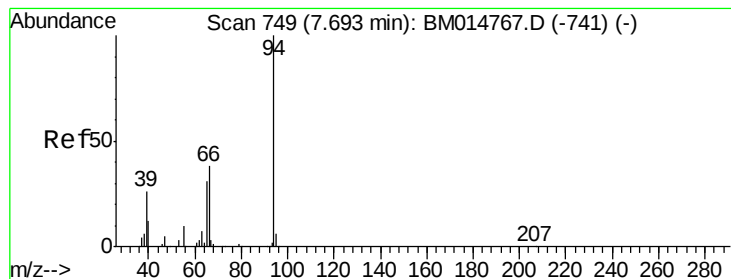
Instrument :
BNA_M
ClientSampled :
C0AC8

Manual Integrations
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Sohil
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Quant Time: Apr 21 00:31:52 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 20 23:53:34 2018
Response via : Initial Calibration





#6

Phenol

Concen: 5.454 ng/ul

RT: 7.69 min Scan# 749

Delta R.T. -0.00 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

BNA_M

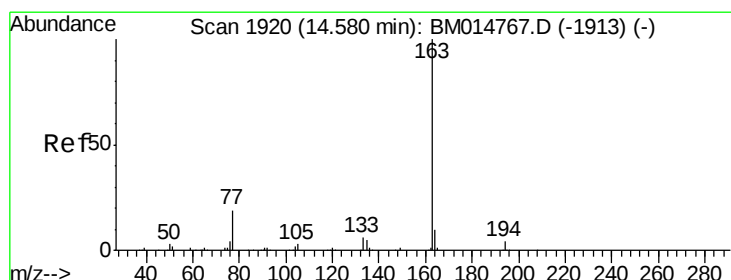
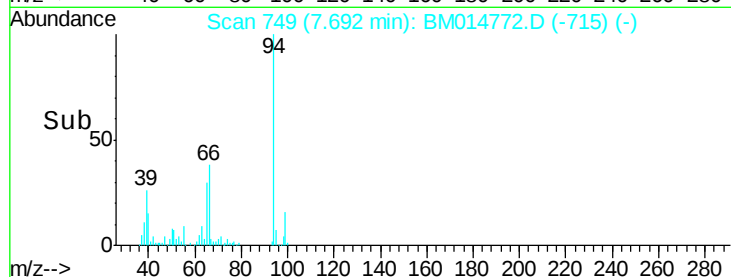
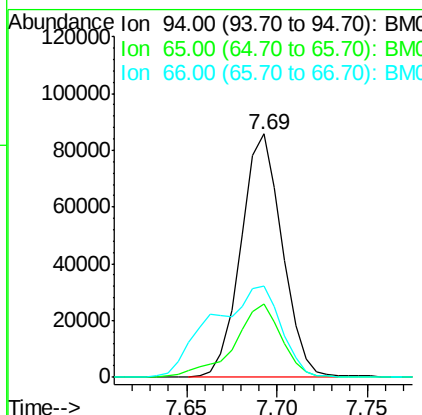
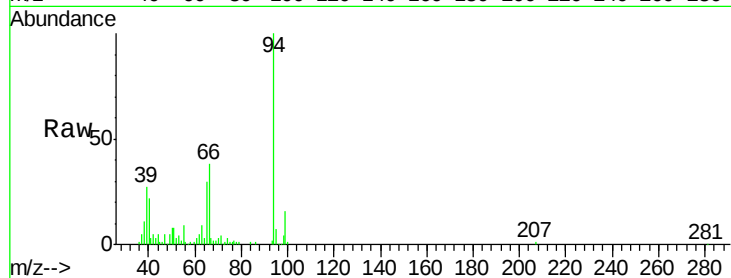
ClientSampleId :

C0AC8

Tot Ion:	94	Resp:	135641
Ion Ratio	Lower	Upper	
94	100		
65	30.1	28.2	42.4
66	37.6	47.2	70.8#

Manual Integrations
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#44

Dimethylphthalate

Concen: 6.972 ng/ul

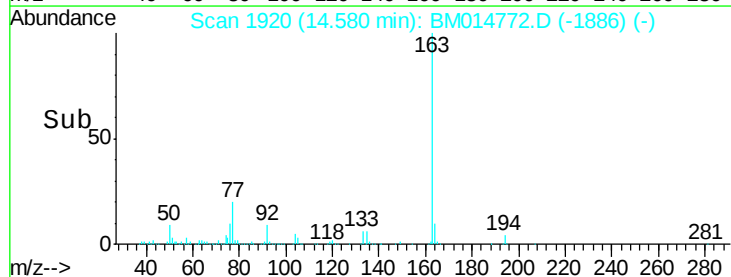
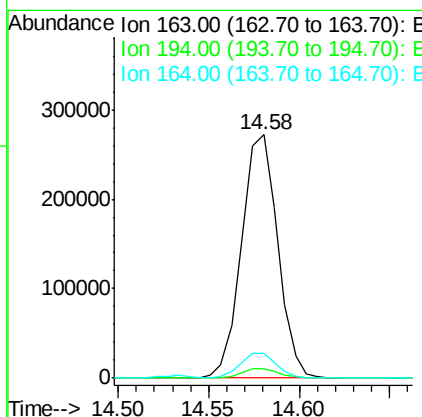
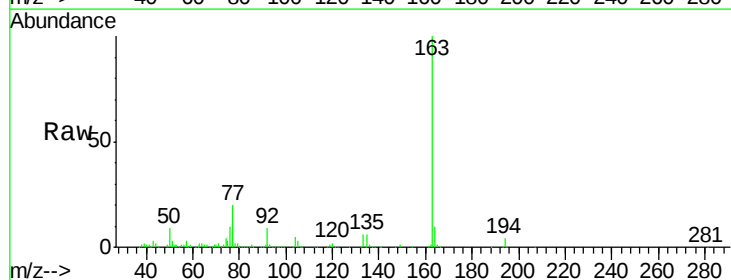
RT: 14.58 min Scan# 1920

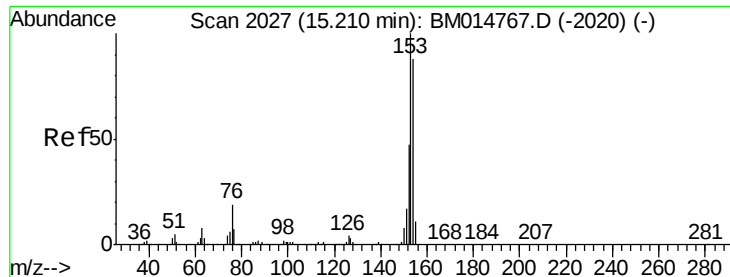
Delta R.T. -0.00 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Tgt Ion:	163	Resp:	378307
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.5	5.3
164	10.0	8.2	12.4





#49

Acenaphthene

Concen: 1.827 ng/ul

RT: 15.20 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

BNA_M

ClientSampled :

C0AC8

Tot Ion:153 Resp: 87178

Ion Ratio Lower Upper

153 100

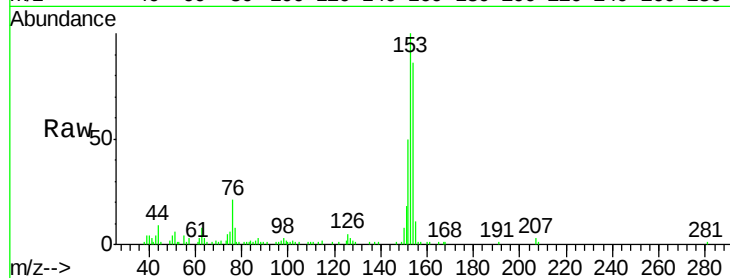
152 50.0 37.6 56.4

154 85.7 70.4 105.6

Manual Integrations
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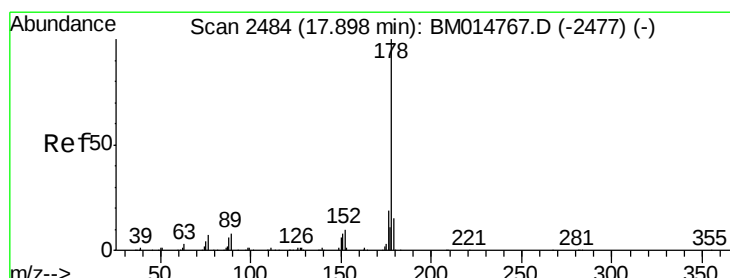
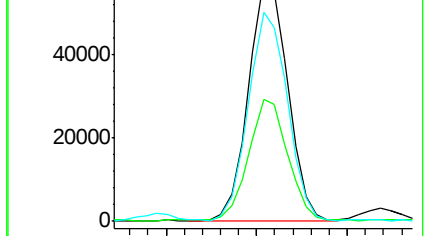
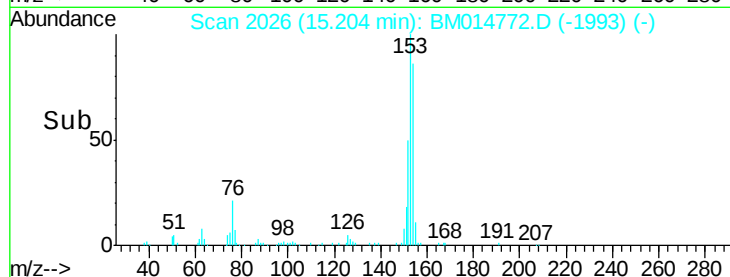


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->



#69

Phenanthrene

Concen: 18.912 ng/ul

RT: 17.90 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

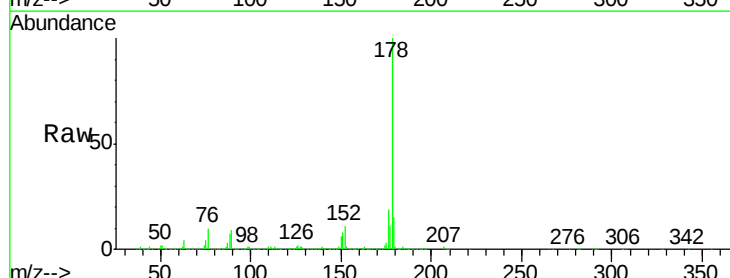
Tgt Ion:178 Resp: 1534395

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.4 14.9 22.3

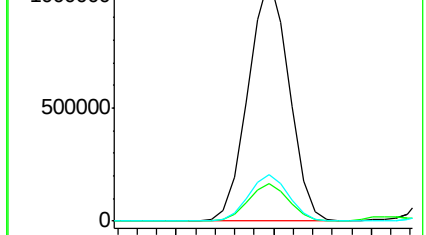
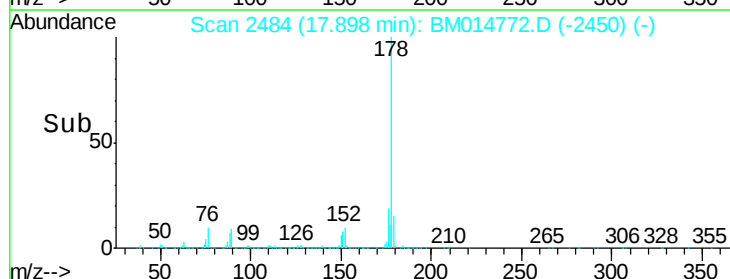


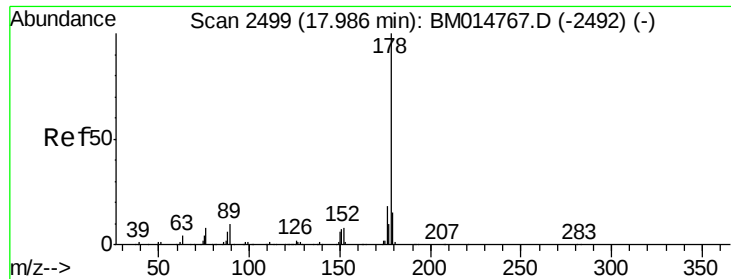
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

Time-->





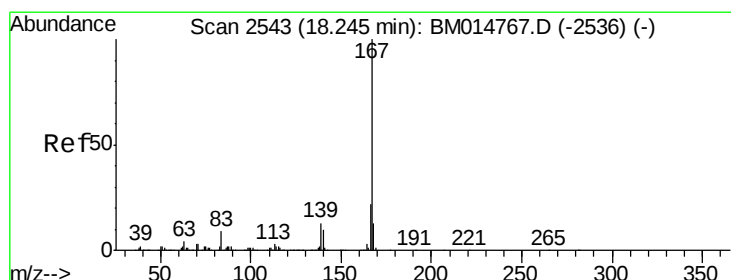
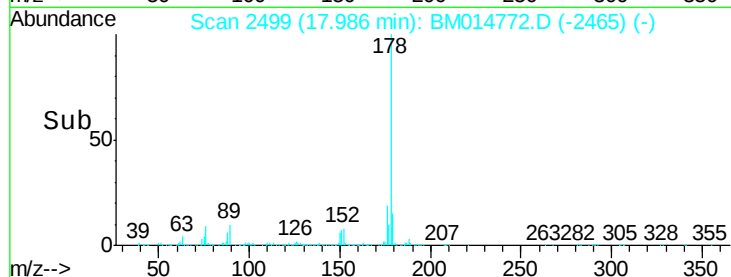
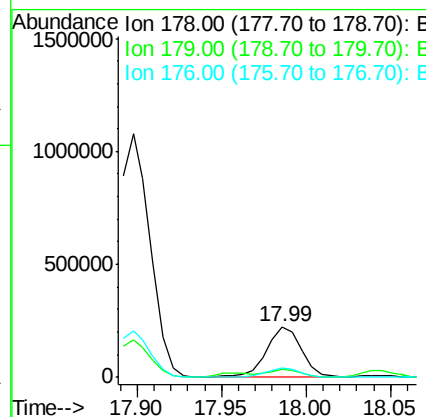
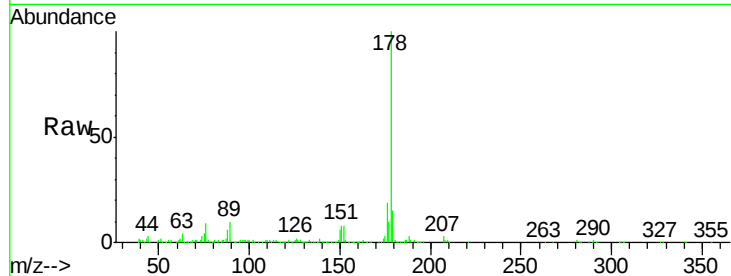
#71
 Anthracene
 Concen: 3.906 ng/ul
 RT: 17.99 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.8	14.6	21.8

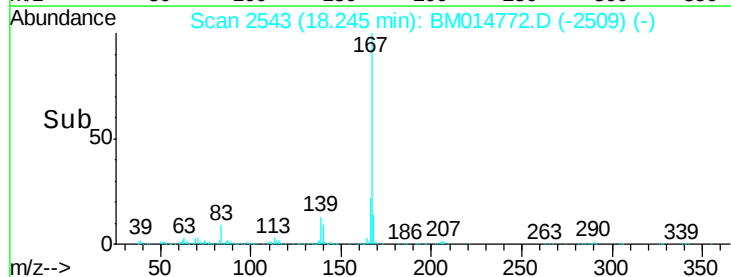
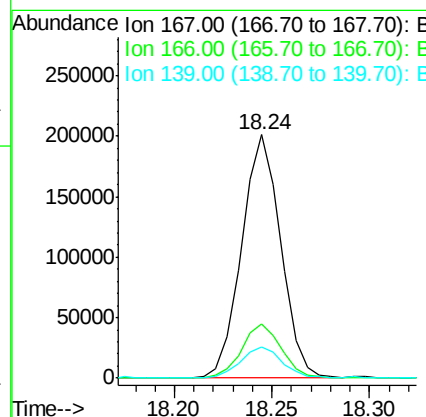
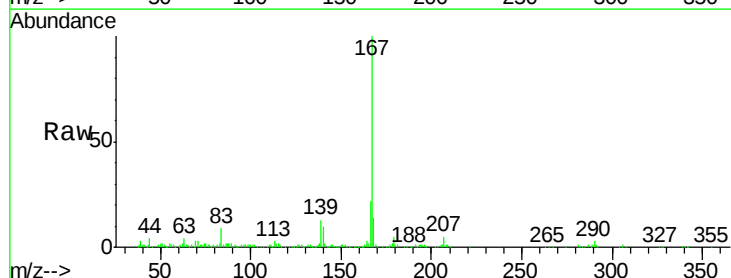
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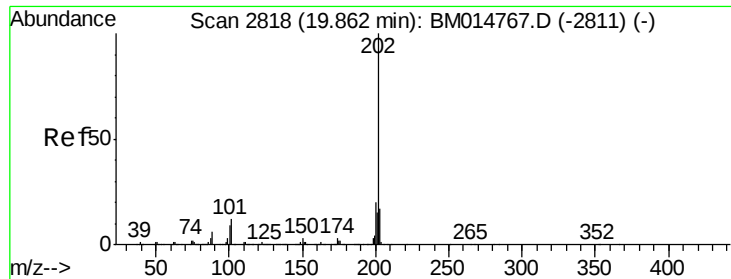
Sohil
 4/23/2018 3:40:43 PM



#72
 Carbazole
 Concen: 3.931 ng/ul
 RT: 18.24 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.1	25.7
139	13.0	10.0	15.0





#74

Fluoranthene

Concen: 71.637 ng/ul

RT: 19.86 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

BNA_M

ClientSampleId :

C0AC8

Tot Ion:202 Resp: 6336801

Ion Ratio Lower Upper

202 100

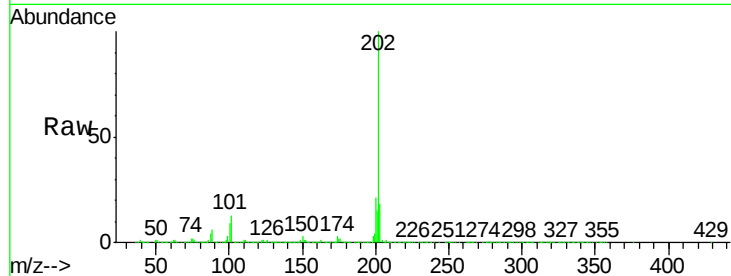
101 12.5 4.6 7.0#

100 9.4 3.4 5.2#

Manual Integrations
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Sohil

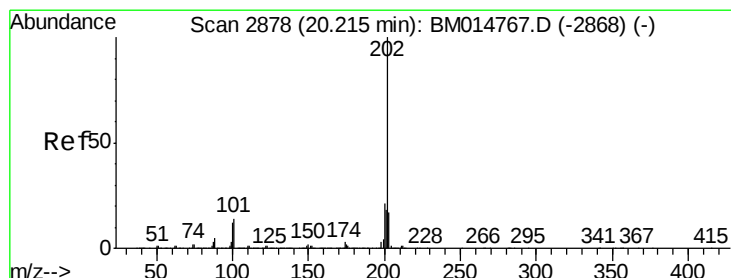
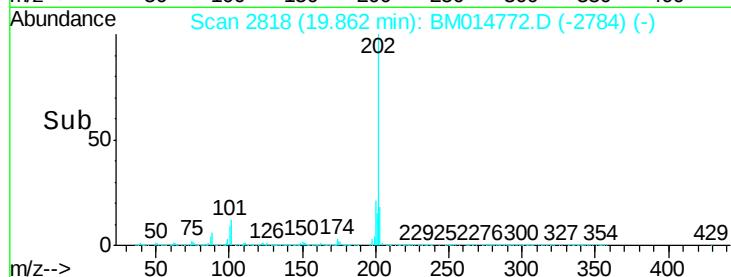
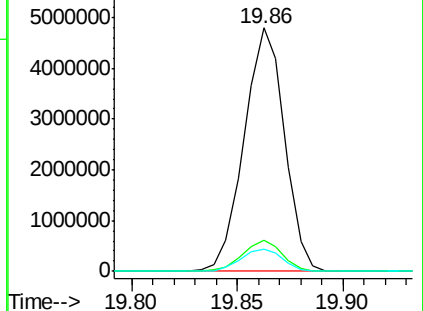
4/23/2018 3:40:43 PM



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: 74.676 ng/ul

RT: 20.22 min Scan# 2879

Delta R.T. 0.01 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

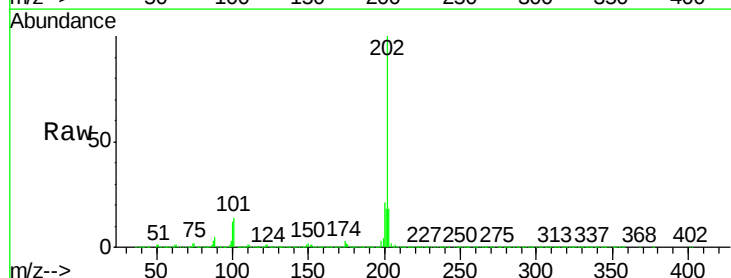
Tgt Ion:202 Resp: 6501366

Ion Ratio Lower Upper

202 100

101 14.2 5.1 7.7#

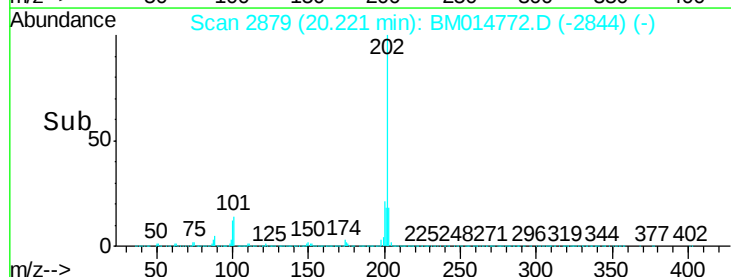
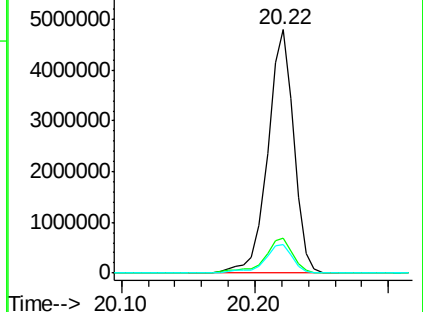
100 11.8 4.9 7.3#

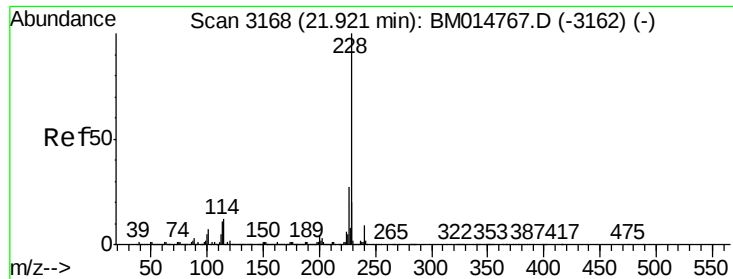


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





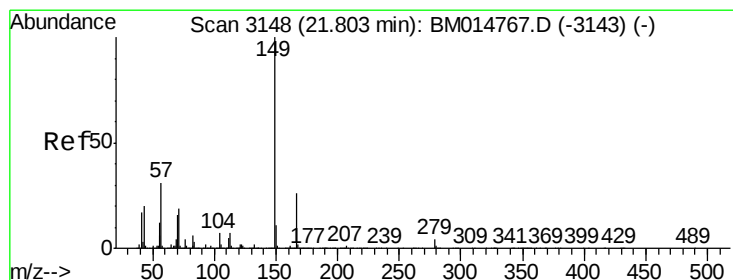
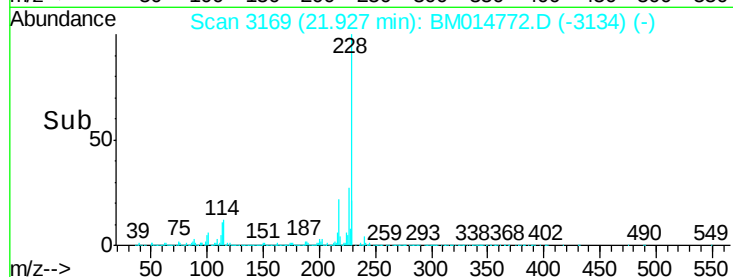
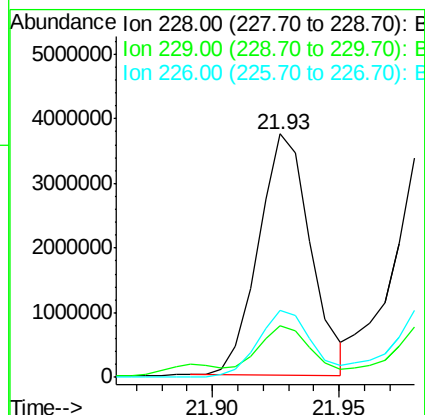
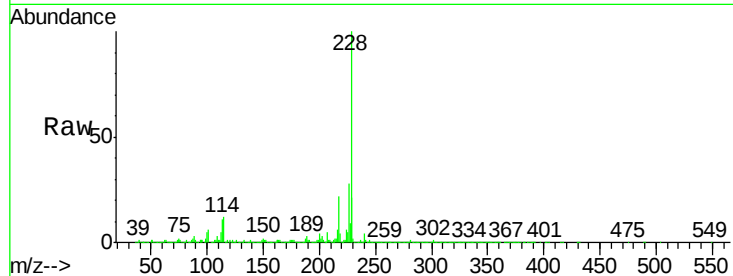
#80
Benzo(a)anthracene
Concen: 61.507 ng/ul
RT: 21.93 min Scan# 3169
Delta R.T. 0.01 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Instrument :
BNA_M
ClientSampled :
C0AC8

Tot Ion:228 Resp: 5359424
Ion Ratio Lower Upper
228 100
229 21.1 15.4 23.0
226 27.5 21.4 32.0

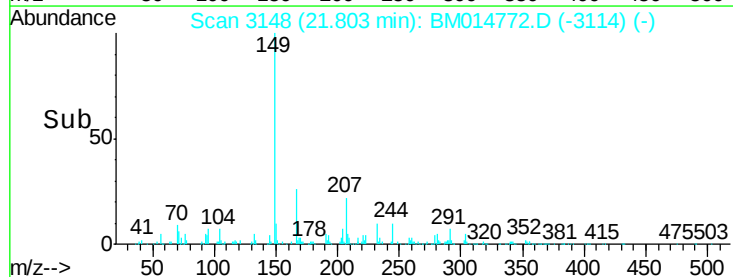
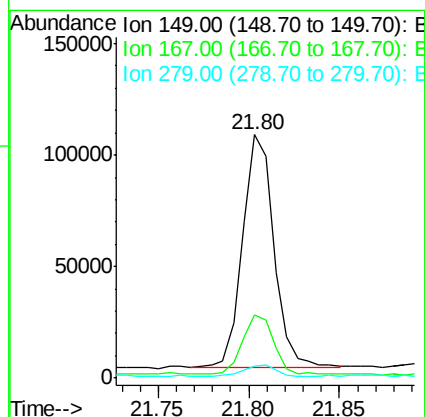
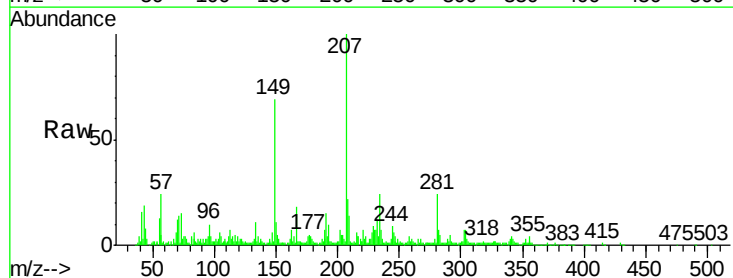
Manual Integrations
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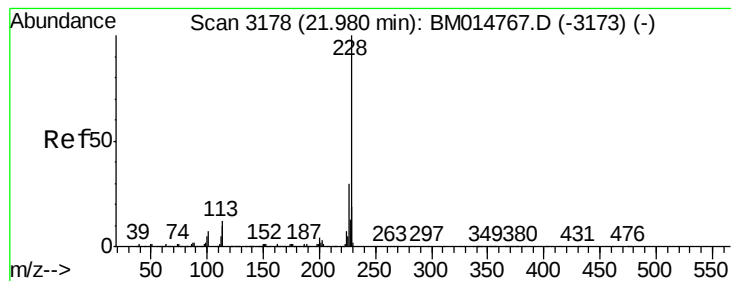
Sohil
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#81
Bis(2-ethylhexyl)phthalate
Concen: 2.380 ng/ul
RT: 21.80 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Tgt Ion:149 Resp: 124094
Ion Ratio Lower Upper
149 100
167 26.1 22.8 34.2
279 4.7 4.9 7.3#





#82

Chrysene

Concen: 72.707 ng/ul

RT: 21.99 min Scan# 3179

Delta R.T. 0.01 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

BNA_M

ClientSampled :

C0AC8

Tot Ion:228 Resp: 5930849

Ion Ratio Lower Upper

228 100

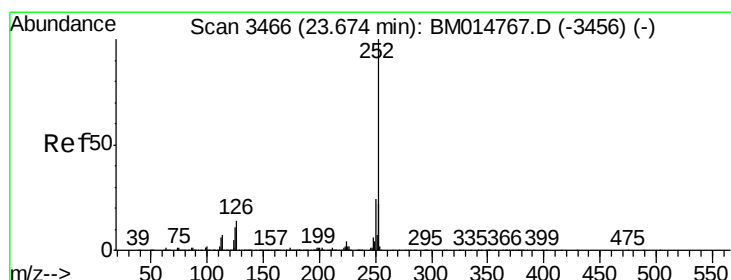
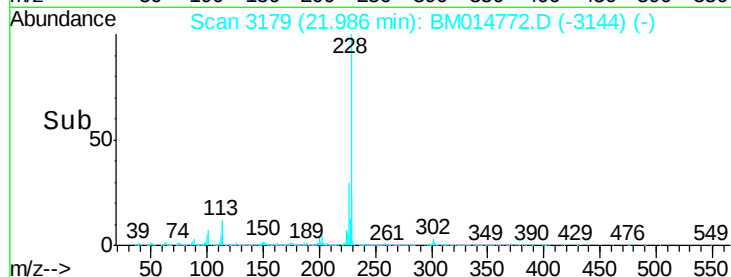
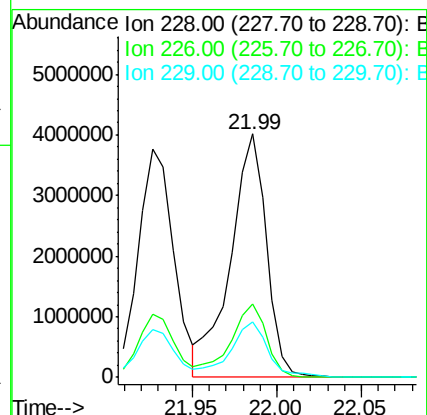
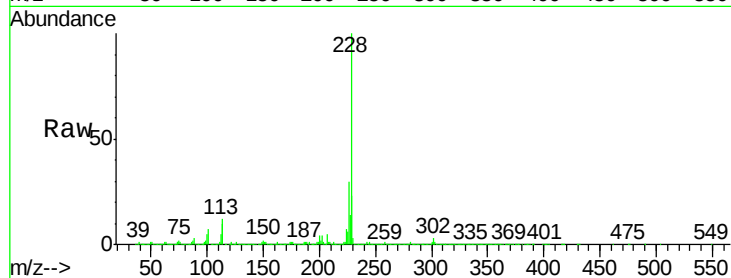
226 30.3 23.4 35.2

229 22.7 15.5 23.3

Manual Integrations
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4/23/2018 3:40:43 PM



#85

Benzo(b)fluoranthene

Concen: 120.903 ng/ul

RT: 23.69 min Scan# 3469

Delta R.T. 0.02 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

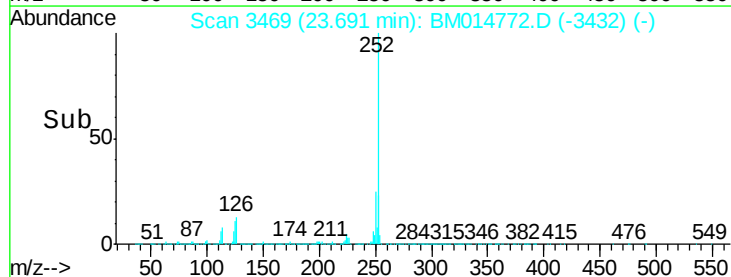
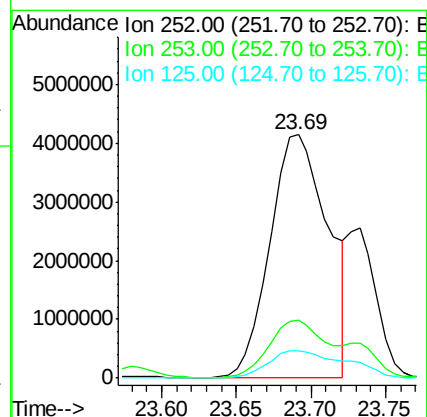
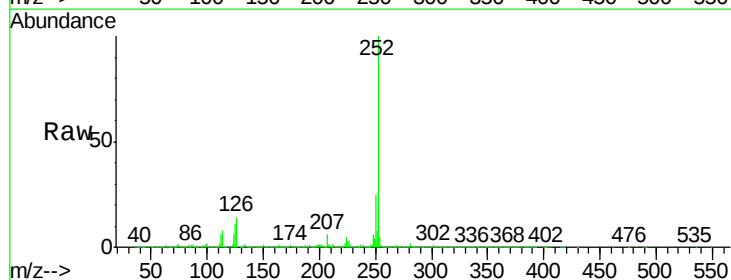
Tgt Ion:252 Resp:11239238

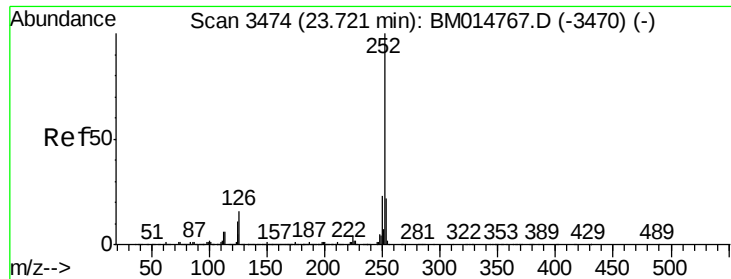
Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 11.5 3.6 5.4#





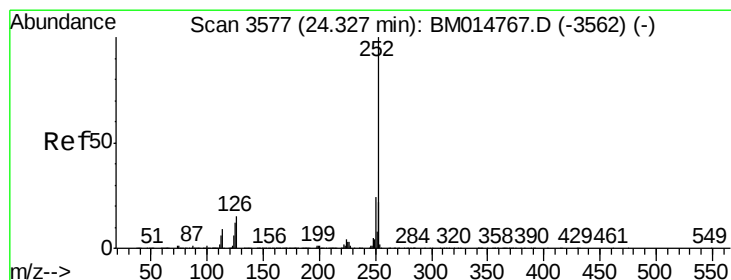
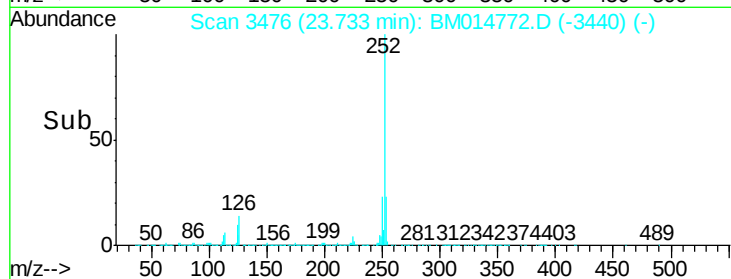
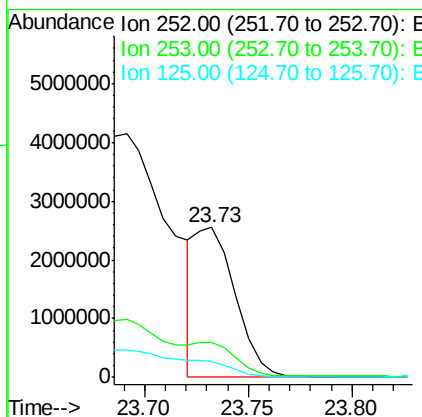
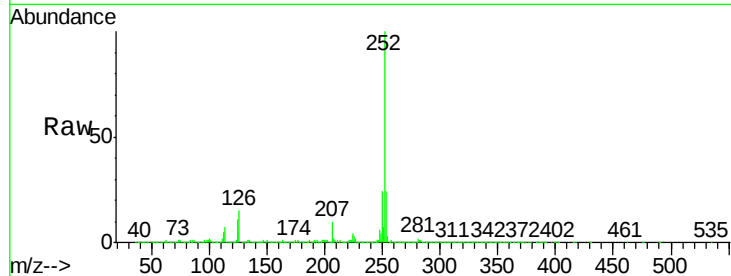
#86
Benzo(k)fluoranthene
Concen: 37.671 ng/ul
RT: 23.73 min Scan# 3476
Delta R.T. 0.01 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Instrument :
BNA_M
ClientSampled :
C0AC8

Tot Ion:252 Resp: 3367473
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 10.7 3.4 5.2#

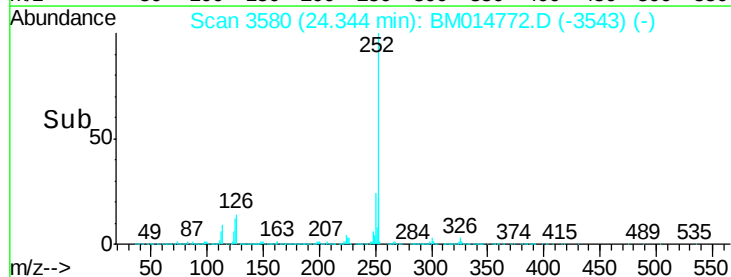
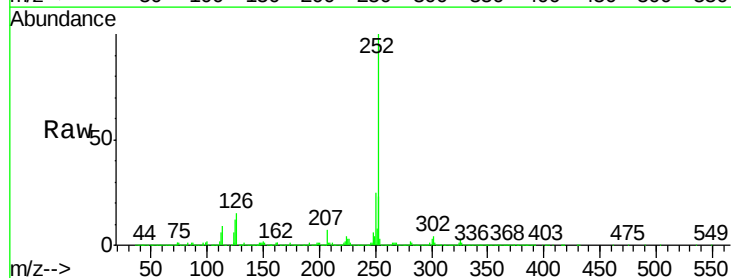
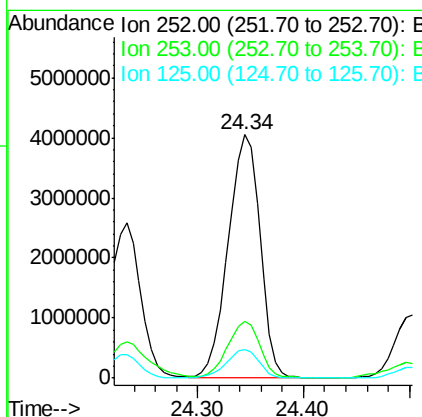
Manual Integrations
APPROVED

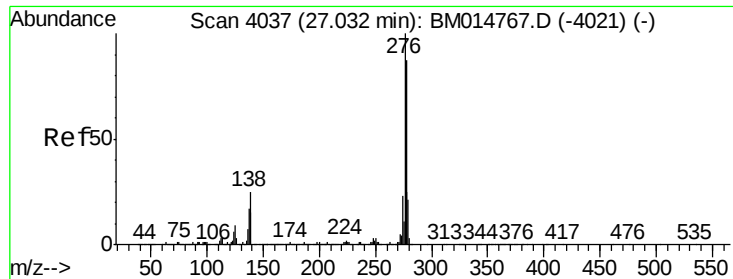
Sohil
4/23/2018 3:40:43 PM



#88
Benzo(a)pyrene
Concen: 95.358 ng/ul
RT: 24.34 min Scan# 3580
Delta R.T. 0.02 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Tgt Ion:252 Resp: 8408751
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 12.0 4.0 6.0#





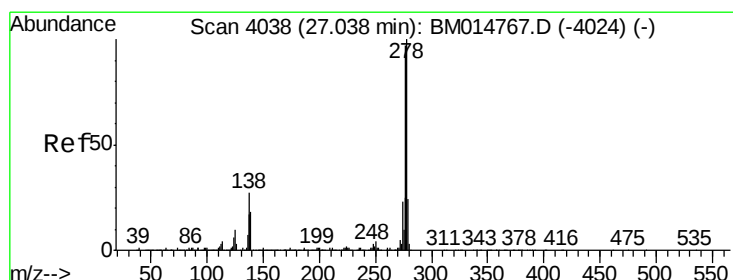
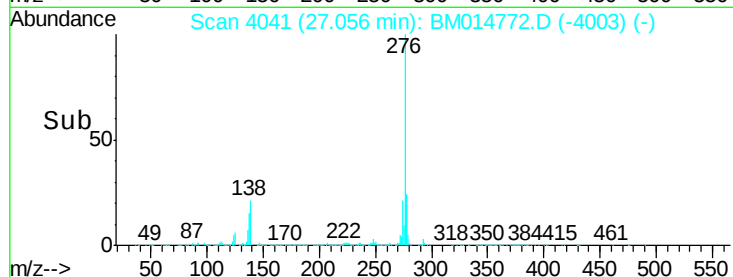
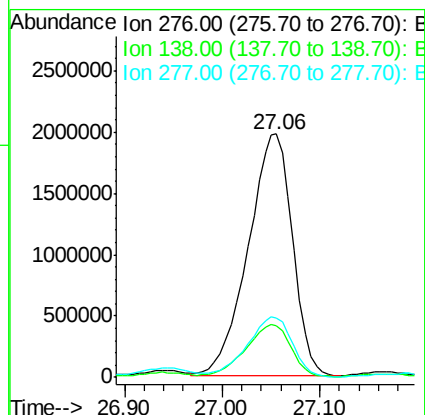
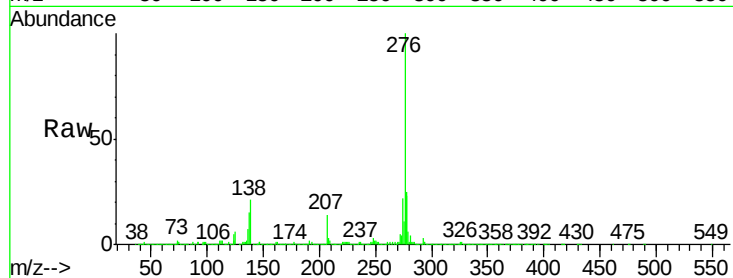
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 58.645 ng/ul
 RT: 27.06 min Scan# 4041
 Delta R.T. 0.02 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Instrument :
 BNA_M
 ClientSampled :
 C0AC8

Tot Ion:276 Resp: 6256061
 Ion Ratio Lower Upper
 276 100
 138 21.3 9.3 13.9#
 277 24.5 19.9 29.9

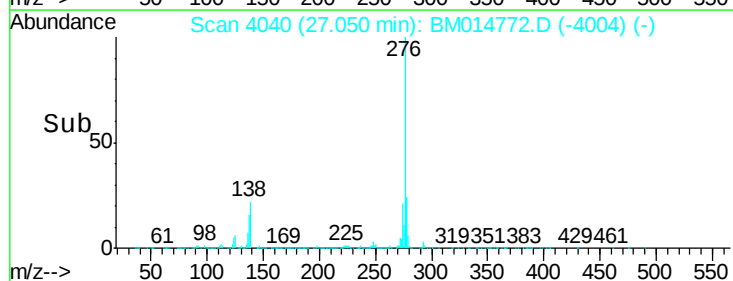
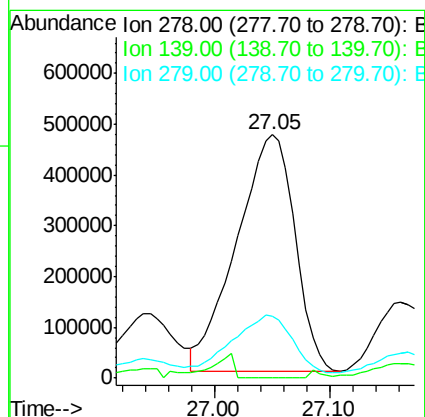
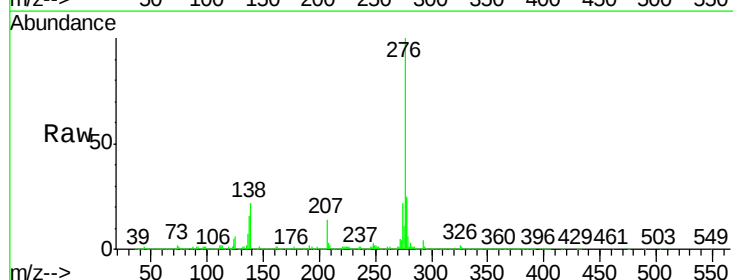
Manual Integrations
 APPROVED

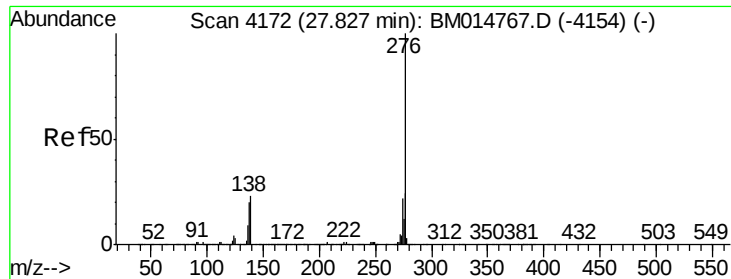
Sohil
 4/23/2018 3:40:43 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 18.239 ng/ul
 RT: 27.05 min Scan# 4040
 Delta R.T. 0.01 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Tgt Ion:278 Resp: 1638211
 Ion Ratio Lower Upper
 278 100
 139 0.0 5.8 8.8#
 279 25.4 18.6 27.8





#91
 Benzo(a,h,i)perylene
 Concen: 72.059 ng/ul
 RT: 27.86 min Scan# 4178
 Delta R.T. 0.04 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	8.5	12.7#
277	24.2	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 4/23/2018 3:40:43 PM

