

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
 Data File : BM014759.D
 Acq On : 20 Apr 2018 12:05
 Operator : SJ/JU
 Sample : J2434-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

Manual Integrations
 APPROVED

Sohil
 4/23/2018 3:40:18 PM

Quant Time: Apr 20 17:27:58 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 17:02:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	342469	20.00	ng/ul	0.00
18) Naphthalene-d8	11.39	136	1455230	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.15	164	772364	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	1649597	20.00	ng/ul	0.00
75) Chrysene-d12	21.94	240	1681002	20.00	ng/ul	0.00
83) Perylene-d12	24.44	264	1751793	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.68	96	30610	3.90	ng/uL	0.00
5) Phenol-d5	7.66	99	517056	19.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.85	67	388341	22.87	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	456722	20.62	ng/ul	0.00
13) 4-Methylphenol-d8	9.24	113	360394	17.07	ng/ul	0.00
19) Nitrobenzene-d5	9.72	128	221852	21.09	ng/ul	0.00
22) 2-Nitrophenol-d4	10.46	143	221391	21.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.99	165	420042	19.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	503763	23.97	ng/ul	0.00
43) Dimethylphthalate-d6	14.53	166	1314003	21.79	ng/ul	0.00
46) Acenaphthylene-d8	14.85	160	1679053	22.55	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	114287	10.21	ng/ul	-0.01
57) Fluorene-d10	16.12	176	1146555	21.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.22	200	74609	8.36	ng/ul	0.00
70) Anthracene-d10	17.95	188	1660762	21.60	ng/ul	0.00
76) Pyrene-d10	20.19	212	1795667	22.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.28	264	1829034	21.25	ng/ul	0.00
Target Compounds						
6) Phenol	7.69	94	111211	4.269	ng/ul#	82
44) Dimethylphthalate	14.57	163	299528	5.139	ng/ul	99
49) Acenaphthene	15.20	153	78574	1.533	ng/ul	96
69) Phenanthrene	17.90	178	717523	8.099	ng/ul	99
71) Anthracene	17.99	178	167912	1.868	ng/ul	99
72) Carbazole	18.24	167	121261	1.581	ng/ul	97
74) Fluoranthene	19.86	202	2684444	27.793	ng/ul#	81
77) Pyrene	20.22	202	2775213	28.256	ng/ul#	80
80) Benzo(a)anthracene	21.92	228	2323705	23.638	ng/ul	98
82) Chrysene	21.98	228	2540144	27.603	ng/ul	96
85) Benzo(b)fluoranthene	23.68	252	4867019	47.130	ng/ul#	96
86) Benzo(k)fluoranthene	23.72	252	1583550m	15.947	ng/ul	
88) Benzo(a)pyrene	24.33	252	3718297	37.958	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	27.03	276	2850085	24.051	ng/ul#	92
90) Dibenzo(a,h)anthracene	27.03	278	720344	7.219	ng/ul#	92
91) Benzo(g,h,i)perylene	27.83	276	2887280	29.616	ng/ul#	88

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

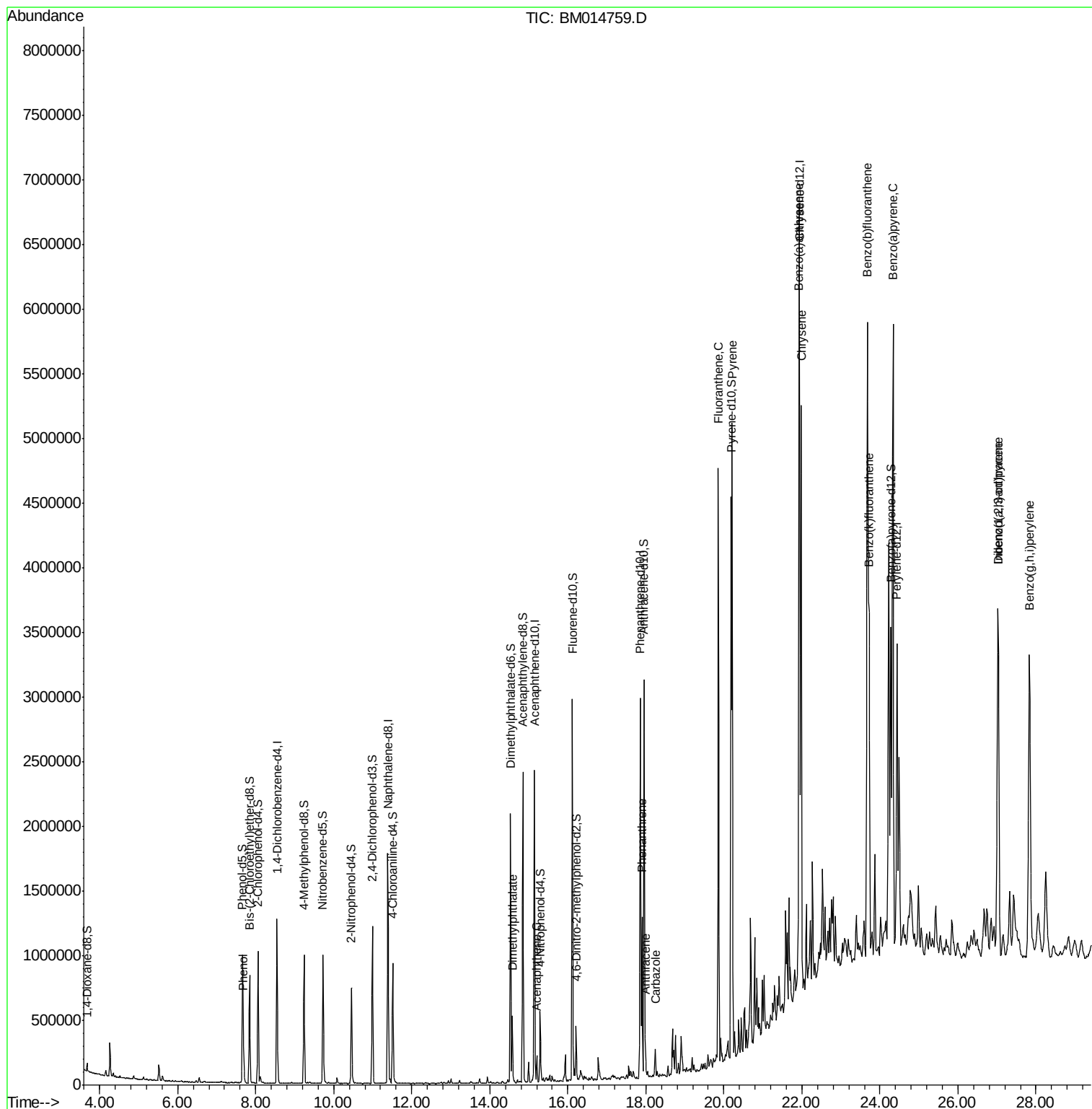
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014759.D
Acq On : 20 Apr 2018 12:05
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

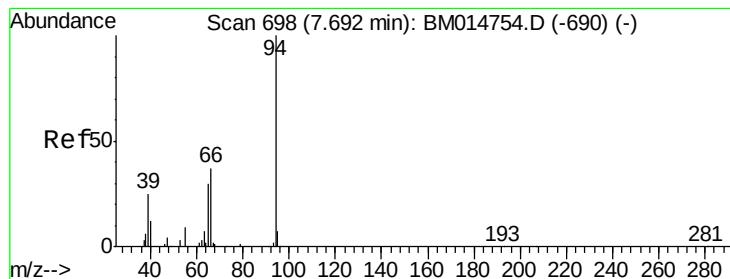
Instrument :
BNA_M
ClientSampled :
C0AC5

Manual Integrations
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4/23/2018 3:40:18 PM

Quant Time: Apr 20 17:27:58 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 20 17:02:43 2018
Response via : Initial Calibration





#6

Phenol

Concen: 4.269 ng/ul

RT: 7.69 min Scan# 697

Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

Instrument :

BNA_M

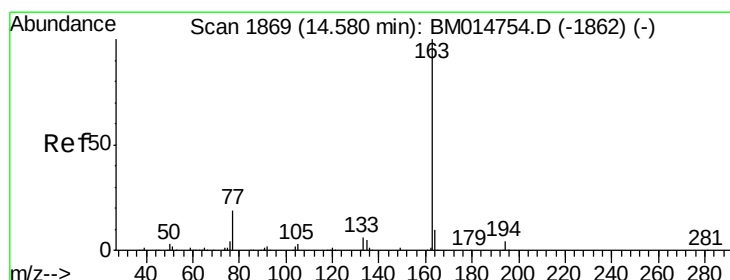
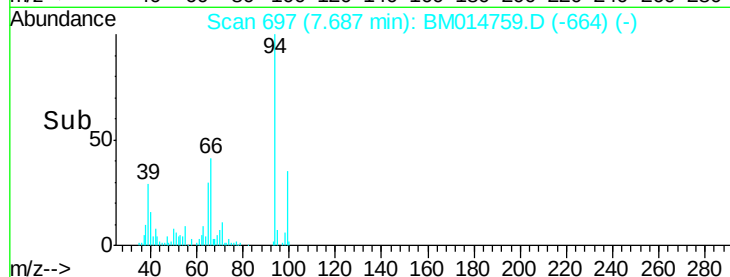
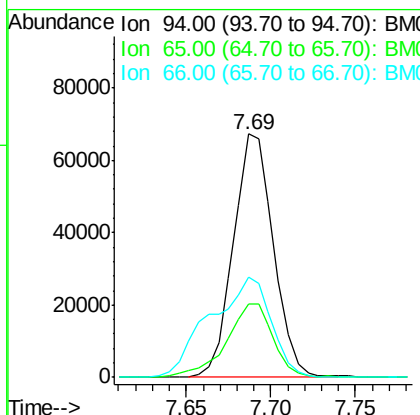
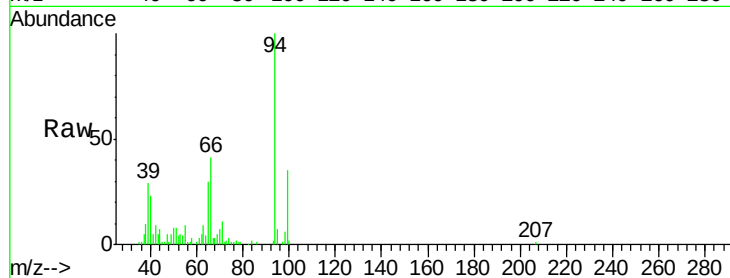
ClientSampled :

C0AC5

Tot Ion:	94	Resp:	111211
Ion Ratio	Lower	Upper	
94	100		
65	30.1	28.2	42.4
66	41.4	47.2	70.8#

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#44

Dimethylphthalate

Concen: 5.139 ng/ul

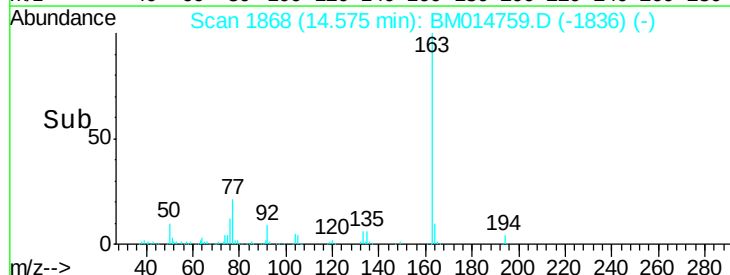
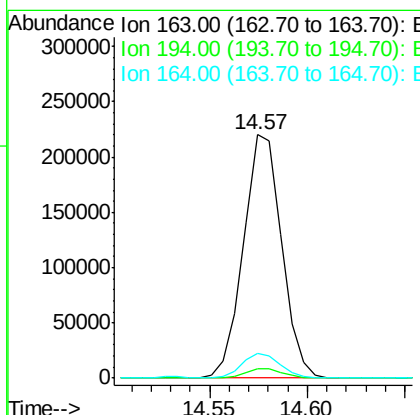
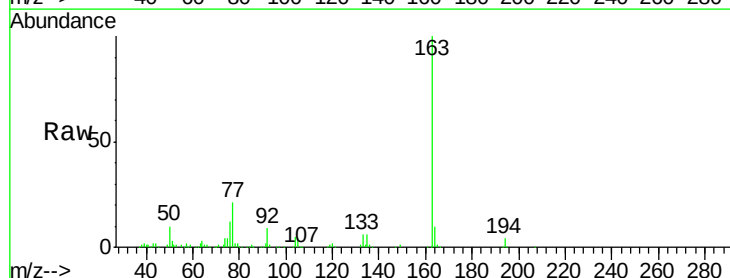
RT: 14.57 min Scan# 1868

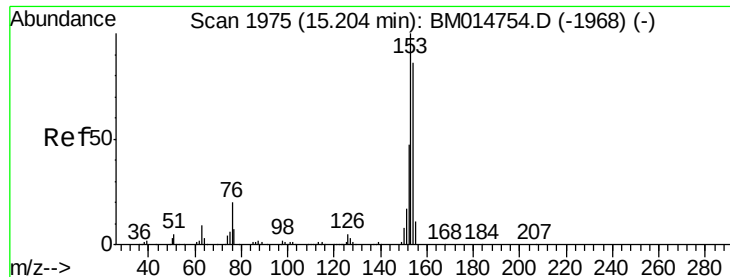
Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

Tgt Ion:	163	Resp:	299528
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.5	5.3
164	10.1	8.2	12.4





#49

Acenaphthene

Concen: 1.533 ng/ul

RT: 15.20 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

Instrument :

BNA_M

ClientSampleId :

C0AC5

Tot Ion:153 Resp: 78574

Ion Ratio Lower Upper

153 100

152 44.7 37.6 56.4

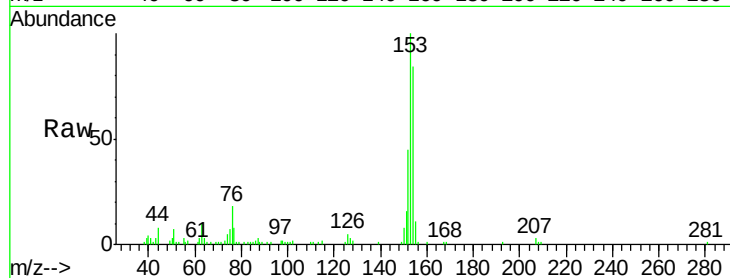
154 84.4 70.4 105.6

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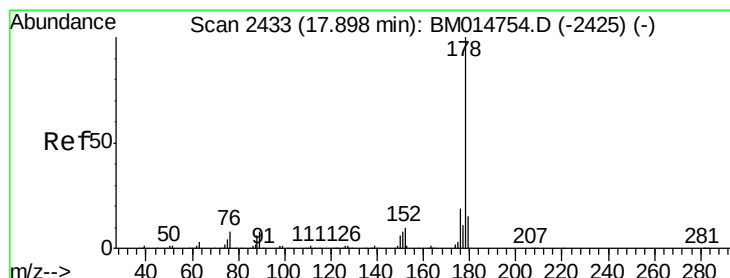
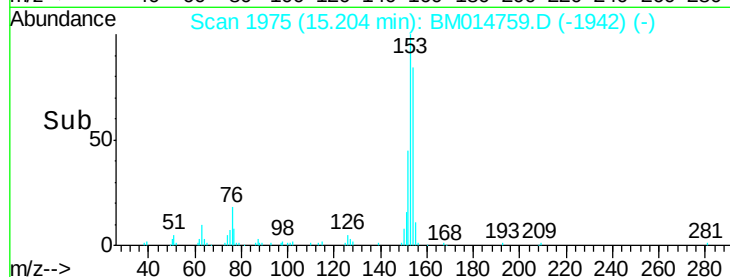
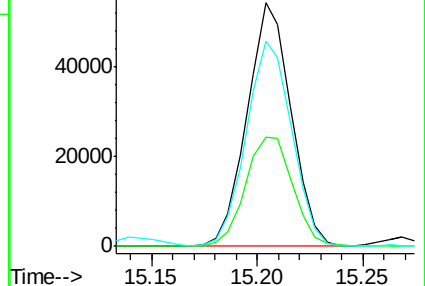
4/23/2018 3:40:18 PM



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



#69

Phenanthrene

Concen: 8.099 ng/ul

RT: 17.90 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

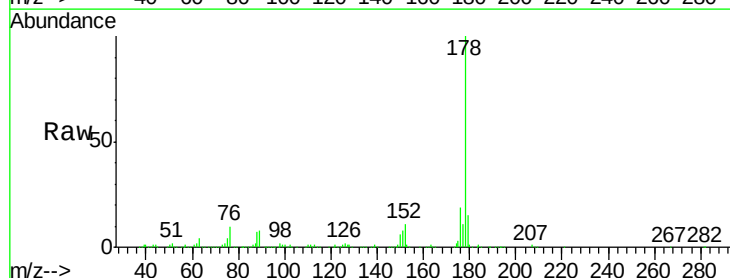
Tgt Ion:178 Resp: 717523

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

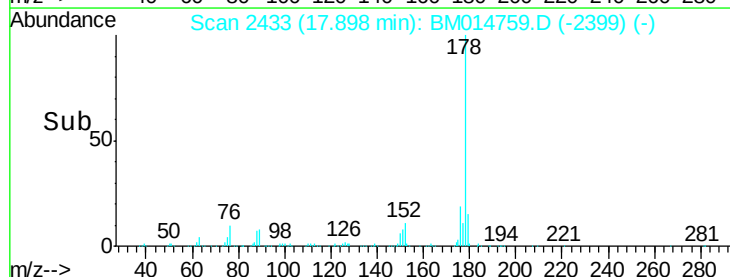
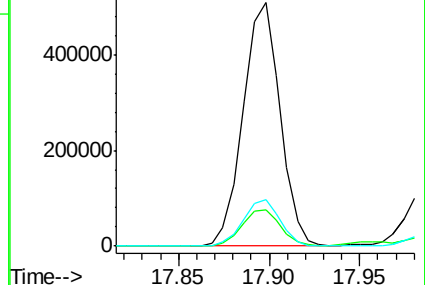
176 18.9 14.9 22.3

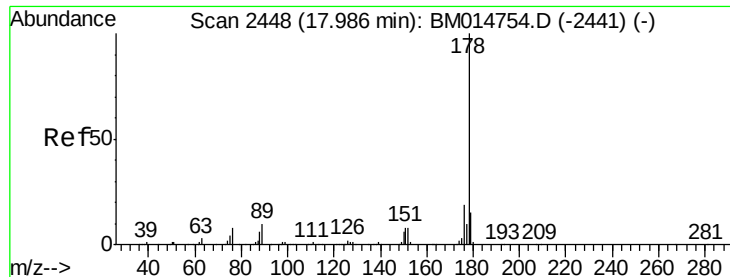


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





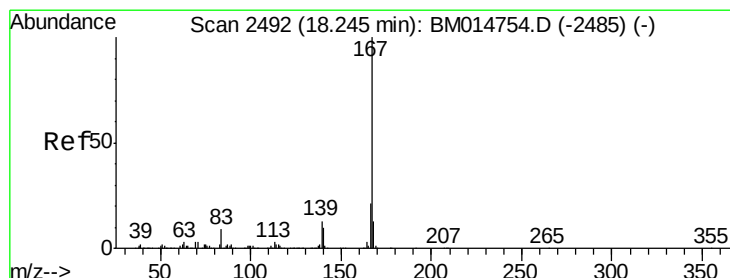
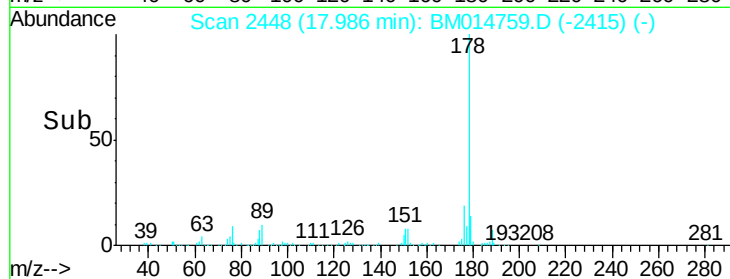
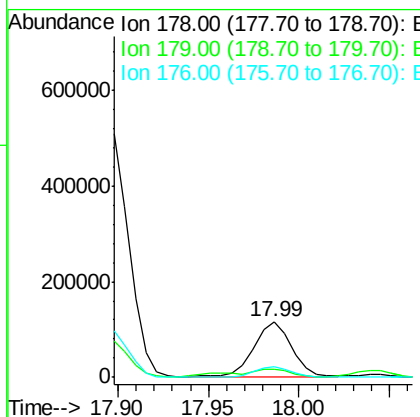
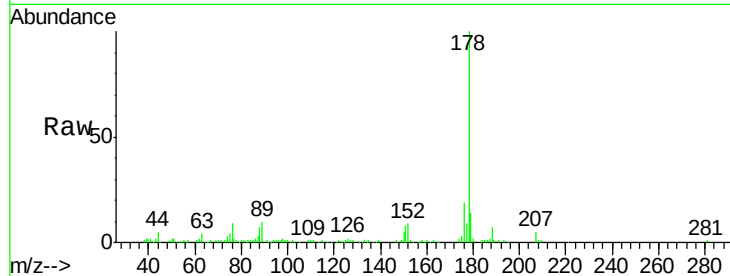
#71
 Anthracene
 Concen: 1.868 ng/ul
 RT: 17.99 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BM014759.D
 Acq: 20 Apr 2018 12:05

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.1	11.7	17.5
176	18.6	14.6	21.8

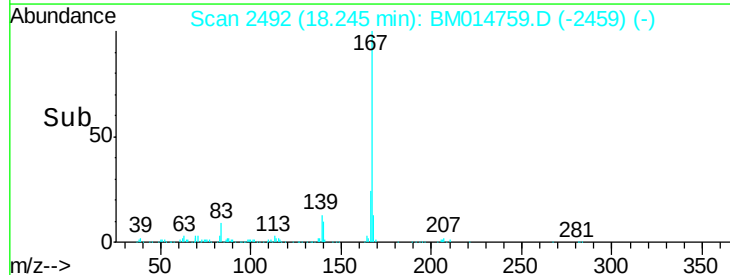
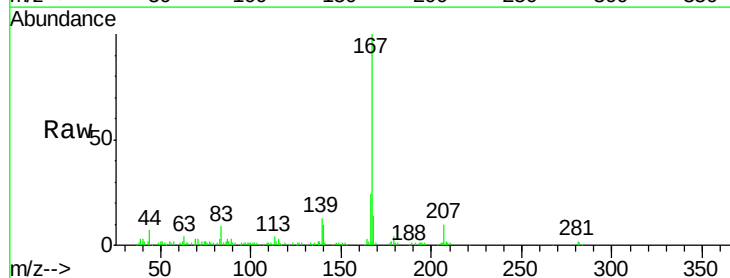
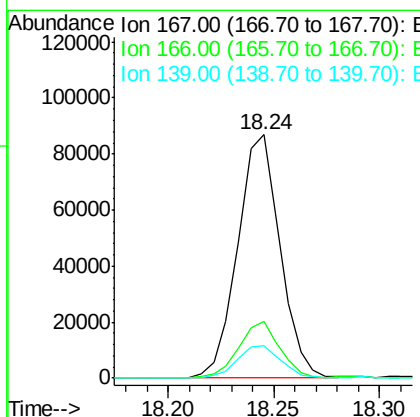
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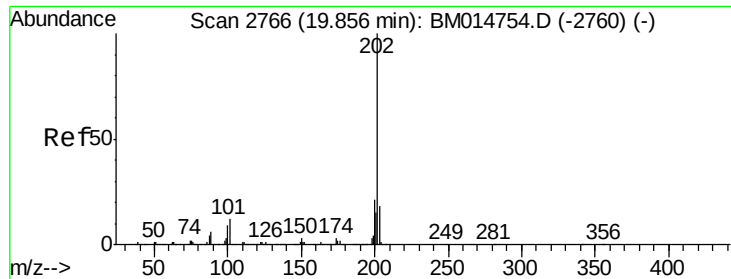
Sohil
 4/23/2018 3:40:18 PM



#72
 Carbazole
 Concen: 1.581 ng/ul
 RT: 18.24 min Scan# 2492
 Delta R.T. -0.01 min
 Lab File: BM014759.D
 Acq: 20 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.1	25.7
139	13.1	10.0	15.0





#74

Fluoranthene

Concen: 27.793 ng/ul

RT: 19.86 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

Instrument :

BNA_M

ClientSampled :

C0AC5

Tot Ion:202 Resp: 2684444

Ion Ratio Lower Upper

202 100

101 12.7 4.6 7.0#

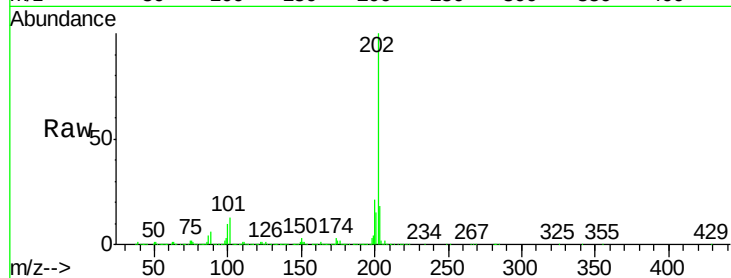
100 9.7 3.4 5.2#

Manual Integrations

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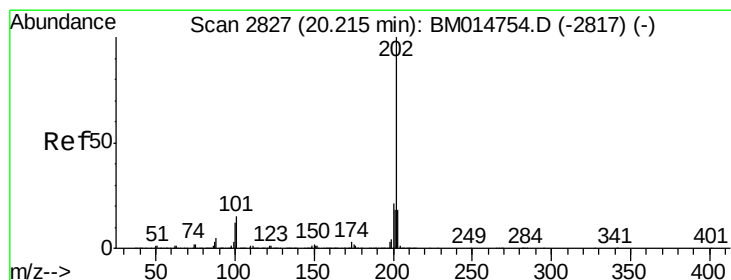
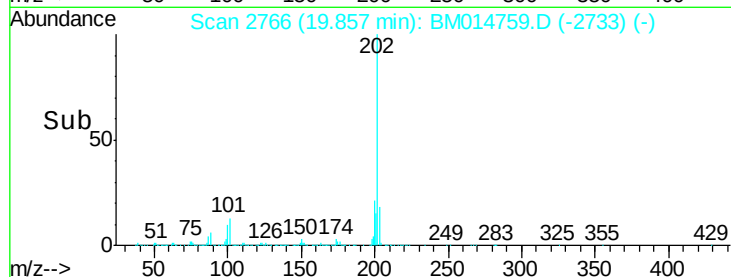
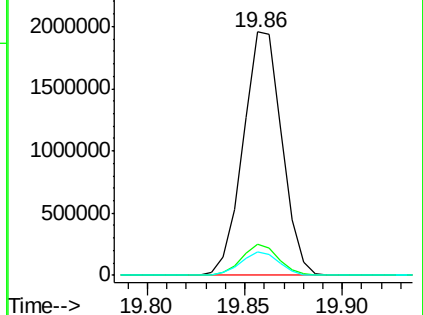
4/23/2018 3:40:18 PM



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: 28.256 ng/ul

RT: 20.22 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

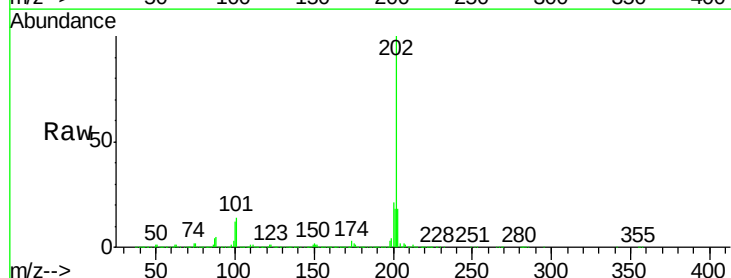
Tgt Ion:202 Resp: 2775213

Ion Ratio Lower Upper

202 100

101 14.4 5.1 7.7#

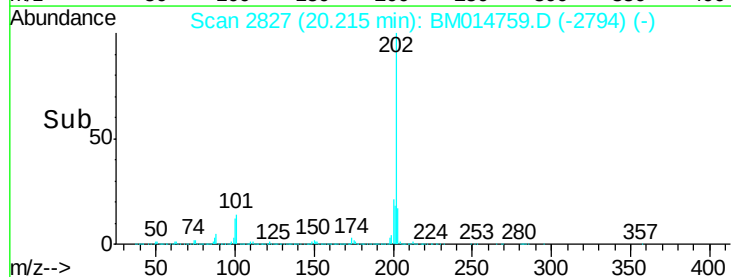
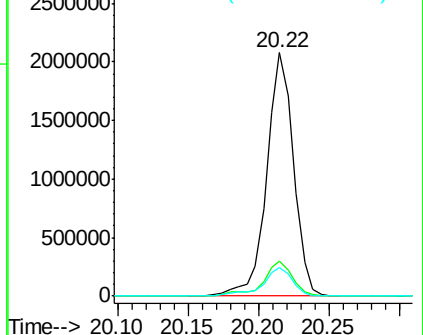
100 11.5 4.9 7.3#

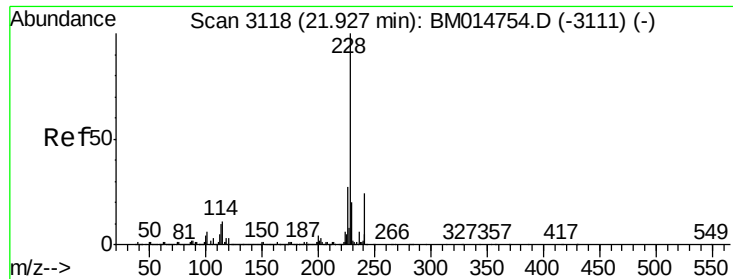


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 23.638 ng/ul

RT: 21.92 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

Instrument :

BNA_M

ClientSampleId :

C0AC5

Tot Ion:228 Resp: 2323705

Ion Ratio Lower Upper

228 100

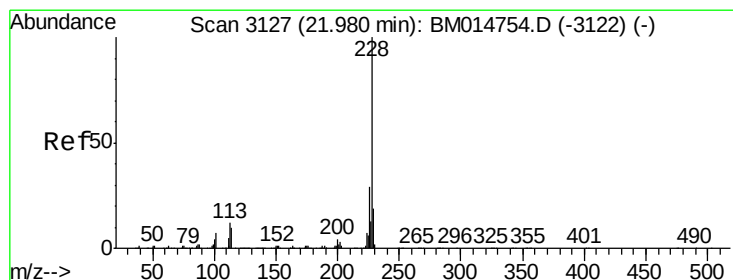
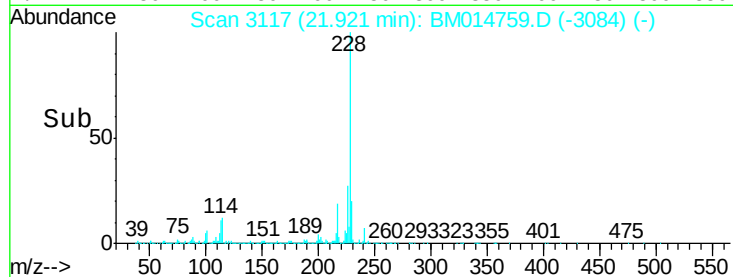
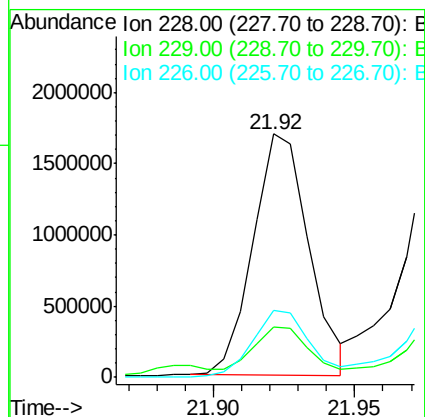
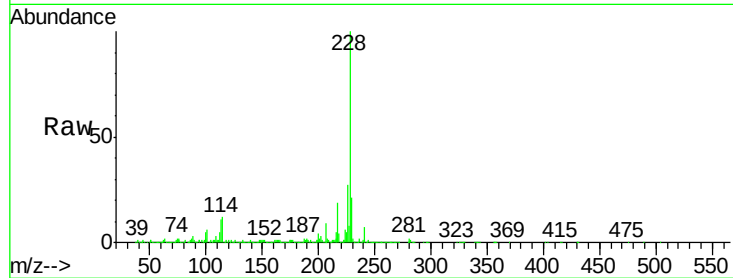
229 20.6 15.4 23.0

226 27.4 21.4 32.0

Manual Integrations
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#82

Chrysene

Concen: 27.603 ng/ul

RT: 21.98 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

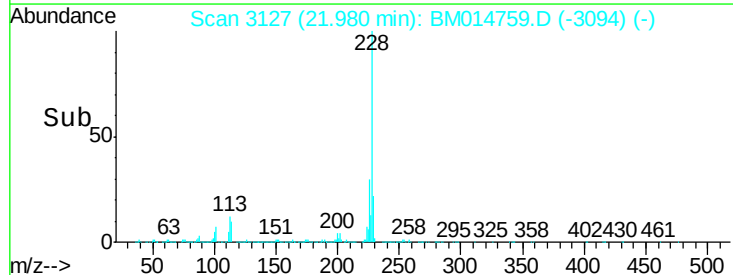
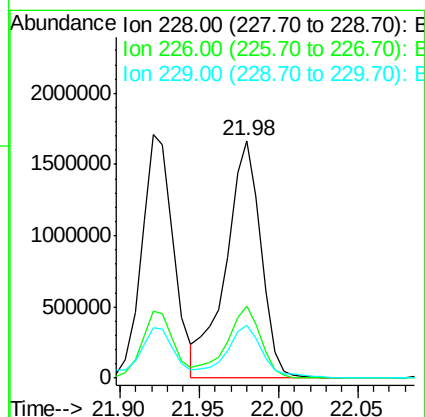
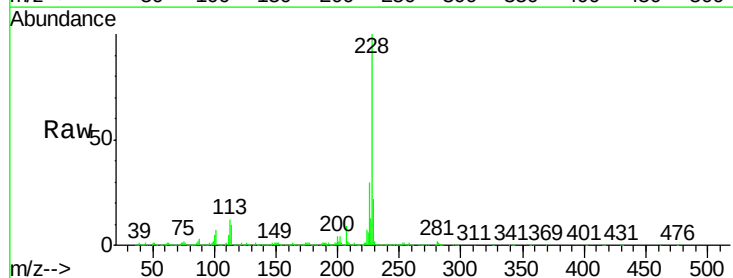
Tgt Ion:228 Resp: 2540144

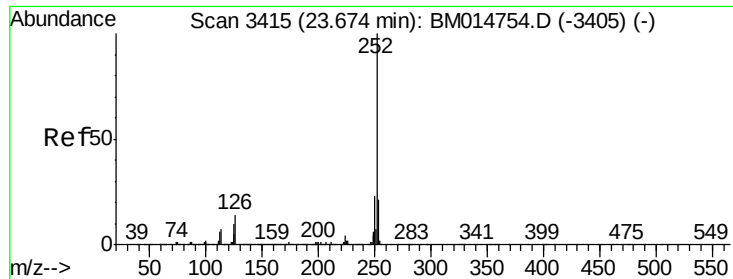
Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

229 22.3 15.5 23.3





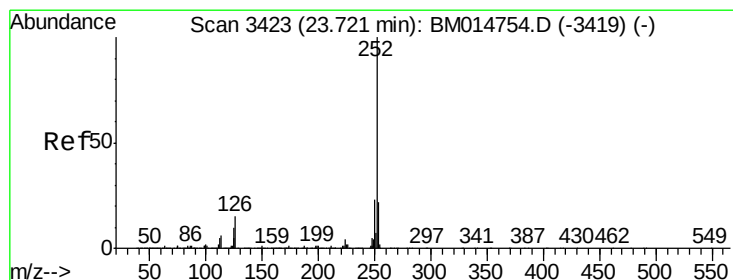
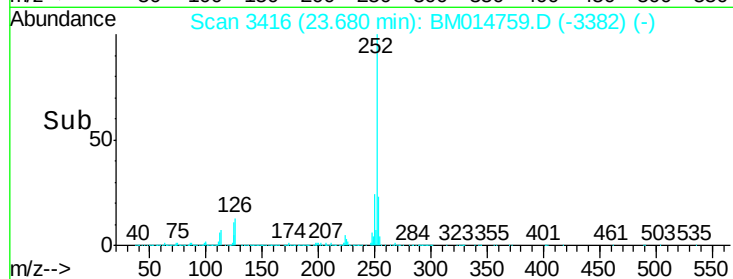
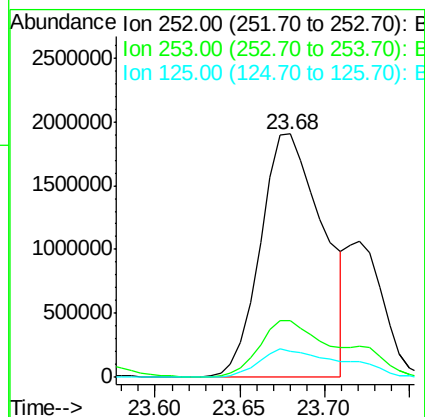
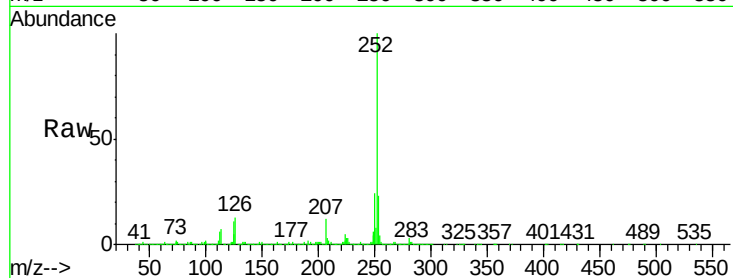
#85
Benzo(b)fluoranthene
Concen: 47.130 ng/ul
RT: 23.68 min Scan# 3416
Delta R.T. 0.00 min
Lab File: BM014759.D
Acq: 20 Apr 2018 12:05

Instrument :
BNA_M
ClientSampled :
C0AC5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	10.9	3.6	5.4

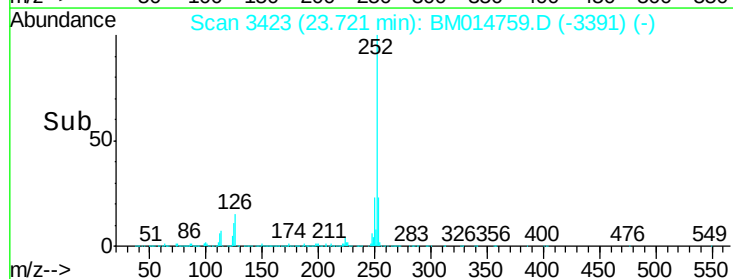
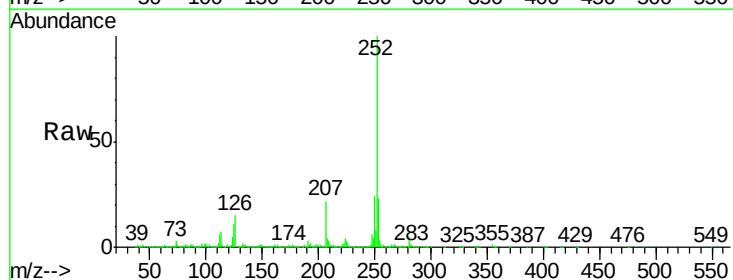
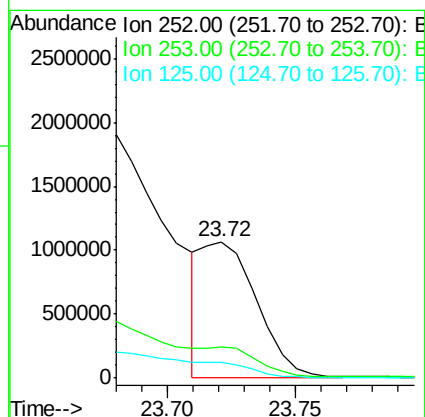
Manual Integrations
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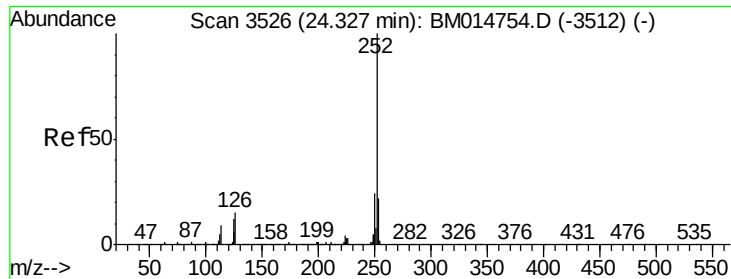
Sohil
4/23/2018 3:40:18 PM



#86
Benzo(k)fluoranthene
Concen: 15.947 ng/ul m
RT: 23.72 min Scan# 3423
Delta R.T. -0.01 min
Lab File: BM014759.D
Acq: 20 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	11.4	3.4	5.2





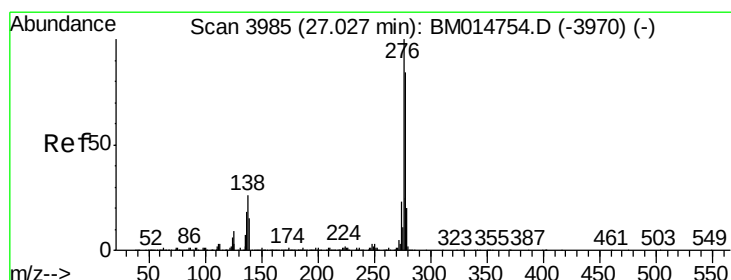
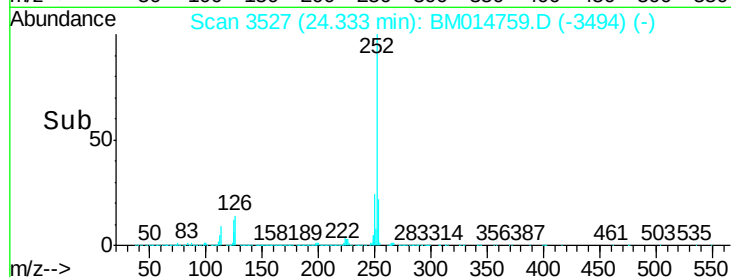
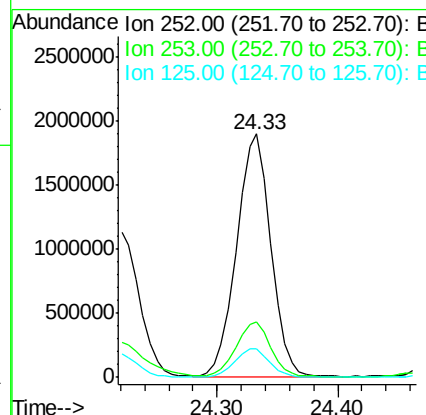
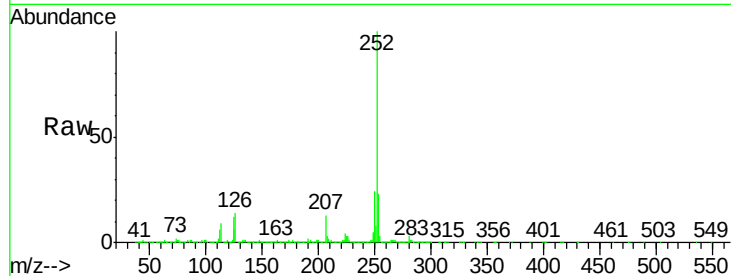
#88
Benzo(a)pyrene
Concen: 37.958 ng/ul
RT: 24.33 min Scan# 3527
Delta R.T. -0.01 min
Lab File: BM014759.D
Acq: 20 Apr 2018 12:05

Instrument :
BNA_M
ClientSampled :
C0AC5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.7	4.0	6.0#

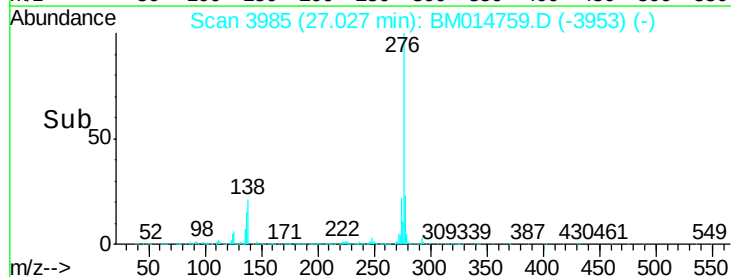
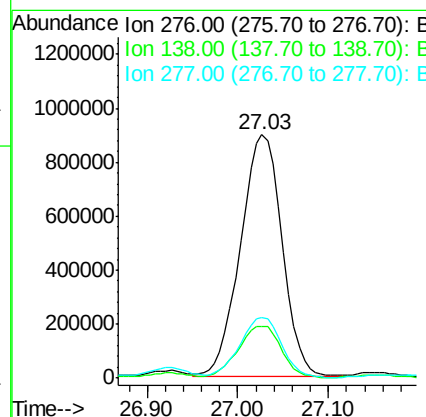
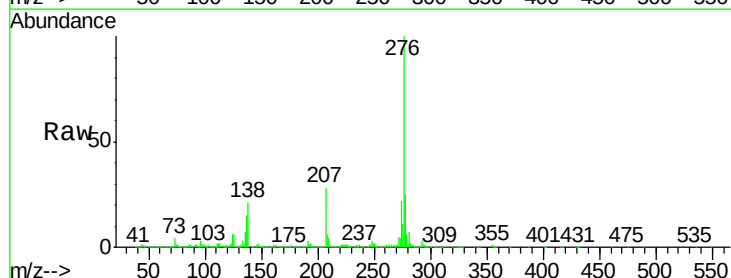
Manual Integrations
APPROVED

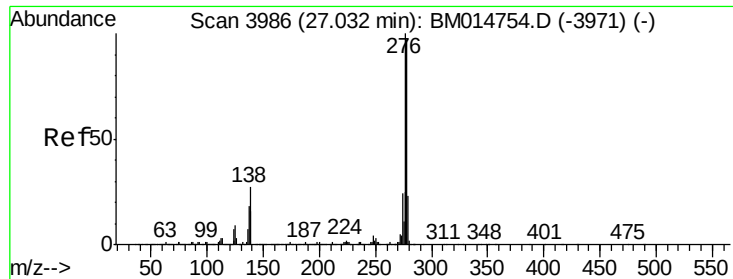
Sohil
4/23/2018 3:40:18 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 24.051 ng/ul
RT: 27.03 min Scan# 3985
Delta R.T. -0.01 min
Lab File: BM014759.D
Acq: 20 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	9.3	13.9#
277	24.7	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 7.219 ng/ul

RT: 27.03 min Scan# 3985

Delta R.T. -0.02 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

Instrument :

BNA_M

ClientSampled :

C0AC5

Tot Ion:278 Resp: 720344

Ion Ratio Lower Upper

278 100

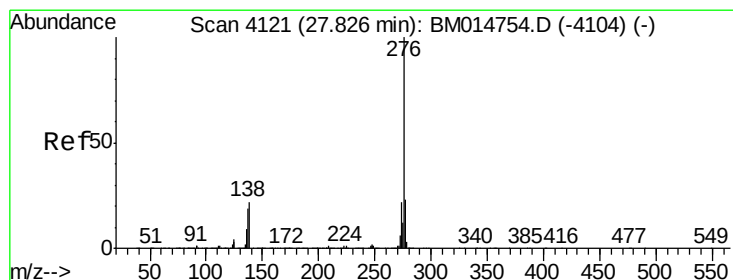
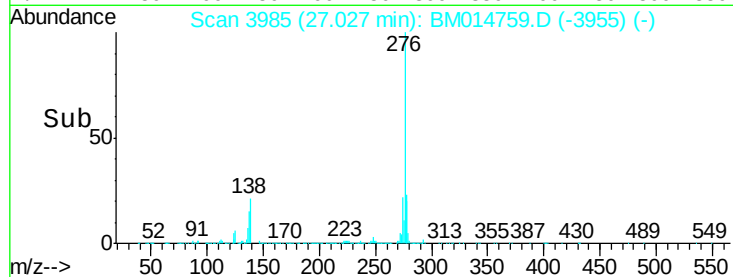
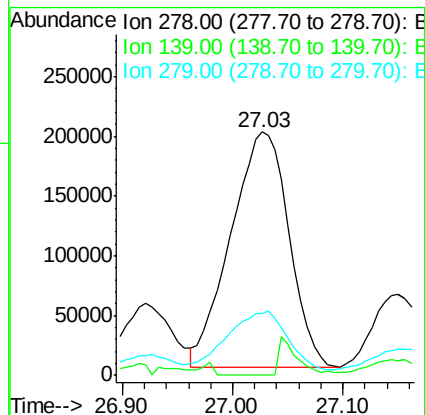
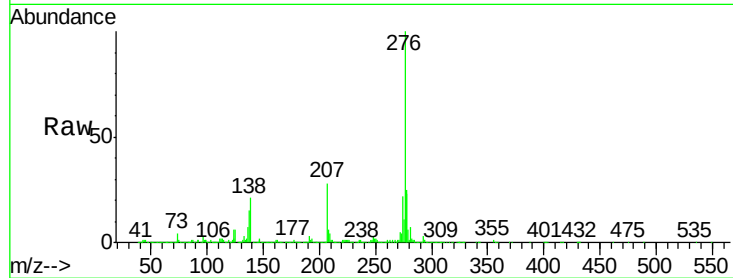
139 0.0 5.8 8.8#

279 25.3 18.6 27.8

Manual Integrations
APPROVED

Sohil

4/23/2018 3:40:18 PM



#91

Benzo(g,h,i)perylene

Concen: 29.616 ng/ul

RT: 27.83 min Scan# 4122

Delta R.T. -0.01 min

Lab File: BM014759.D

Acq: 20 Apr 2018 12:05

Tgt Ion:276 Resp: 2887280

Ion Ratio Lower Upper

276 100

138 22.9 8.5 12.7#

277 24.4 18.6 28.0

