

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014421.D
 Acq On : 01 Mar 2018 03:21
 Operator : SJ/JU
 Sample : J1646-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X0

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:15:33 PM

Quant Time: Mar 01 04:30:00 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	7.51	152	103506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	489387	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	320667	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	794309	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	925415	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	674821	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	11337m	4.69	ng/uL	0.00
5) Phenol-d5	6.72	99	280922	32.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	167440	31.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	229110	34.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	240467	31.41	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	123449	34.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	139809	37.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	253795	32.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	243972	31.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	940665	35.52	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1194842	36.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	109146m	29.85	ng/ul	0.01
57) Fluorene-d10	15.17	176	842040	35.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	82380	17.29	ng/ul	0.00
70) Anthracene-d10	17.03	188	1394088	36.38	ng/ul	0.00
76) Pyrene-d10	19.35	212	1654576	34.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	1165509	35.49	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.74	94	32642	3.556	ng/ul	94
28) Naphthalene	10.33	128	105972	4.216	ng/ul	97
34) 2-Methylnaphthalene	11.96	142	35647	1.863	ng/ul	82
44) Dimethylphthalate	13.64	163	242295	9.279	ng/ul#	99
47) Acenaphthylene	13.89	152	408929	13.249	ng/ul	97
49) Acenaphthene	14.23	153	187772	8.640	ng/ul	95
53) Dibenzofuran	14.58	168	155094	4.759	ng/ul	88
56) Diethylphthalate	15.02	149	63504	2.182	ng/ul#	86
58) Fluorene	15.23	166	290209	10.316	ng/ul	99
69) Phenanthrene	16.99	178	5792909	126.580	ng/ul	99
71) Anthracene	17.07	178	1450400	31.513	ng/ul	99
72) Carbazole	17.35	167	402815	10.408	ng/ul	98
74) Fluoranthene	19.02	202	12135085	221.942	ng/ul#	85
77) Pyrene	19.39	202	10533124	171.269	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	5586372	96.725	ng/ul	98
82) Chrysene	21.20	228	4808590	89.249	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	5711448	126.402	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	1474478m	34.322	ng/ul	
88) Benzo(a)pyrene	23.26	252	3813752	94.453	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.52	276	2102384	53.658	ng/ul#	98
90) Dibenzo(a,h)anthracene	25.51	278	572032	17.570	ng/ul#	86
91) Benzo(a,h,i)perylene	26.18	276	1434508	45.195	ng/ul#	96

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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

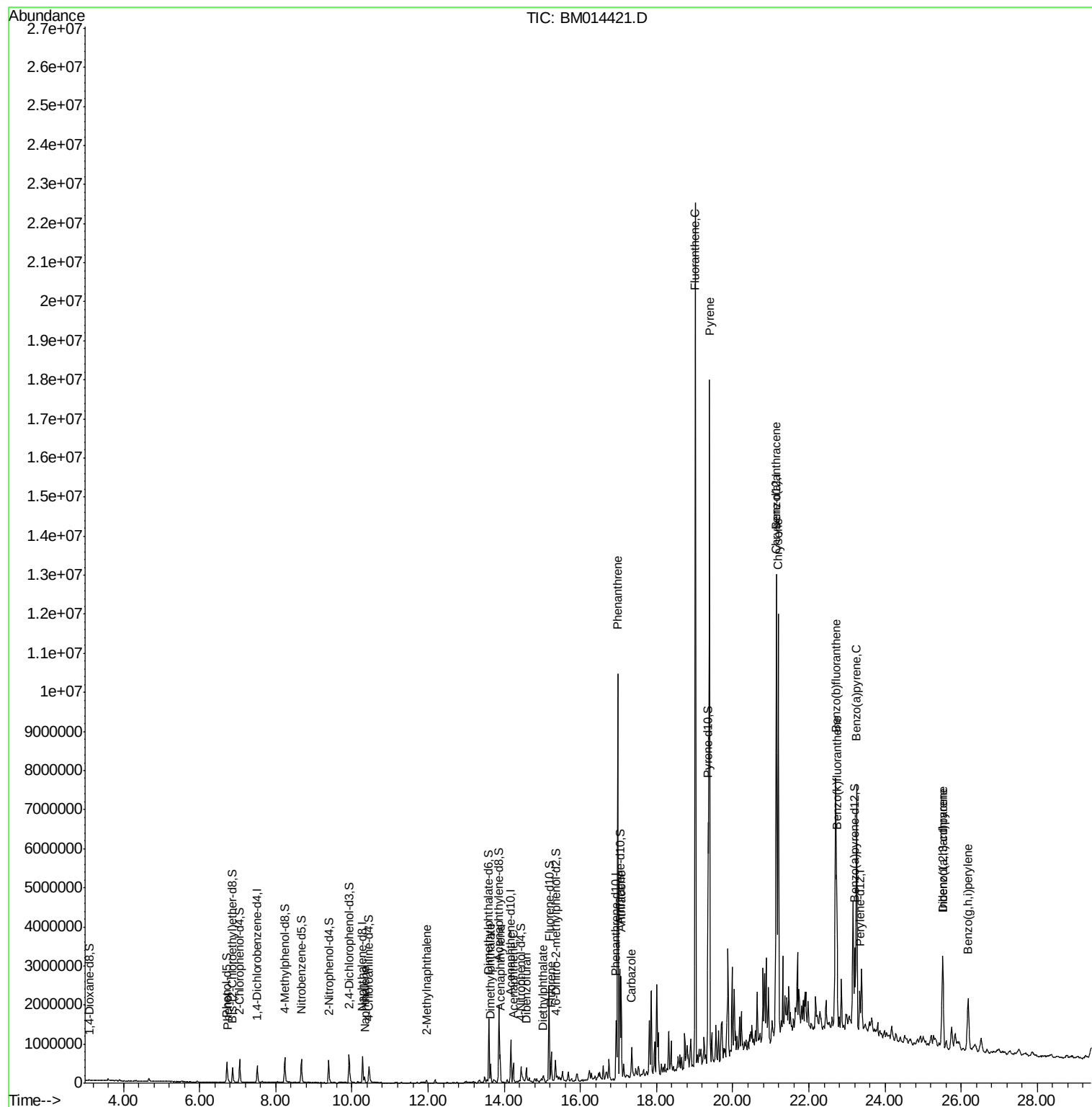
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Operator : SJ/JU
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ALS Vial : 25 Sample Multiplier: 1

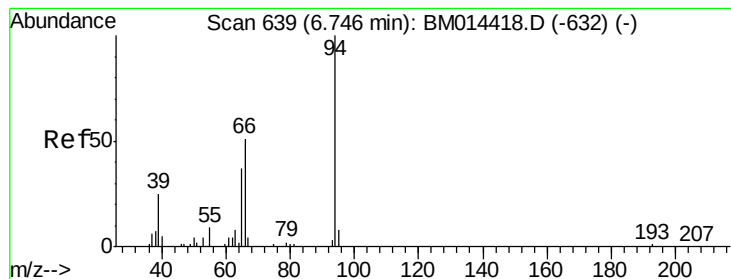
Instrument :
BNA_M
ClientSampleId :
BE5X0

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#6

Phenol

Concen: 3.556 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

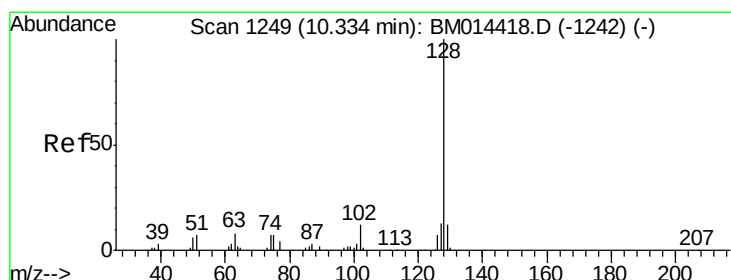
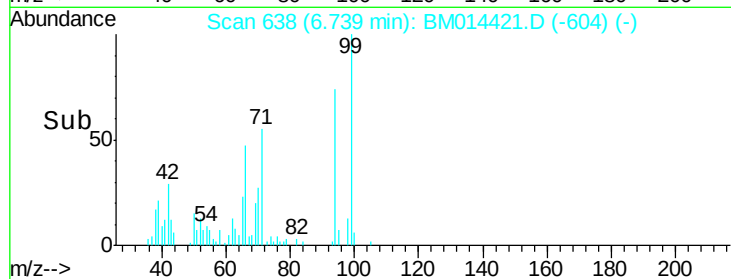
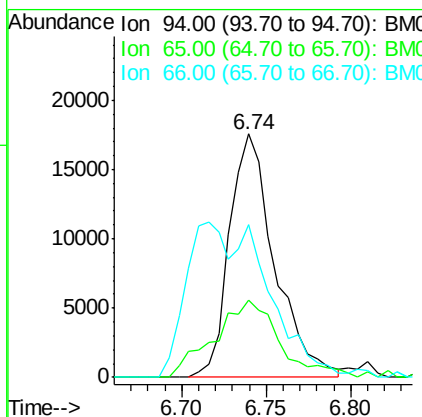
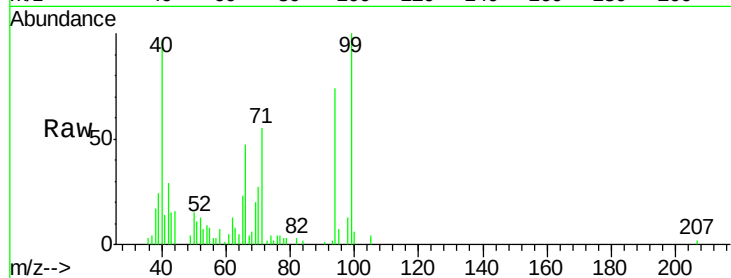
ClientSampled :

BE5X0

Tot Ion:	94	Resp:	32642
Ion	Ratio	Lower	Upper
94	100		
65	31.7	28.2	42.4
66	62.9	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 4.216 ng/ul

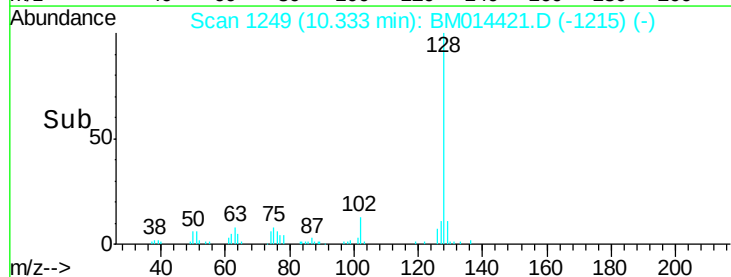
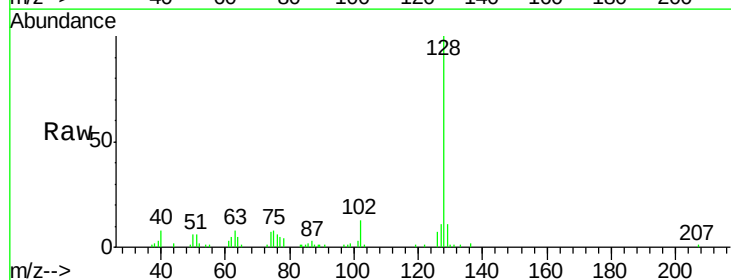
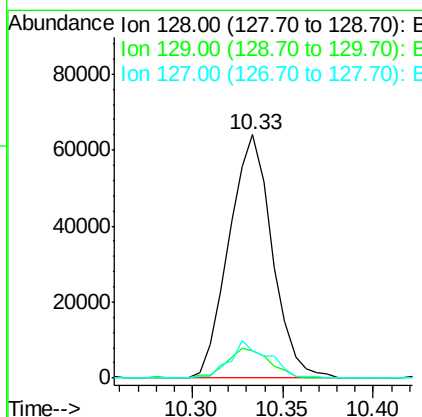
RT: 10.33 min Scan# 1249

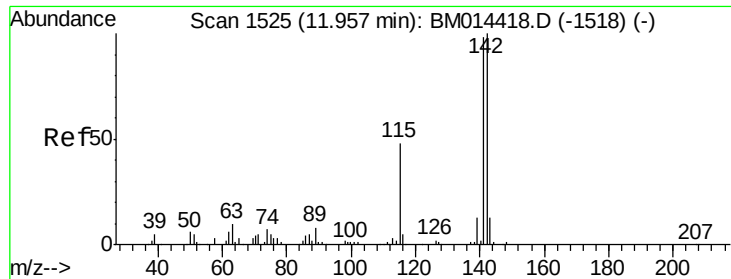
Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Tgt Ion:	128	Resp:	105972
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	11.4	10.6	16.0





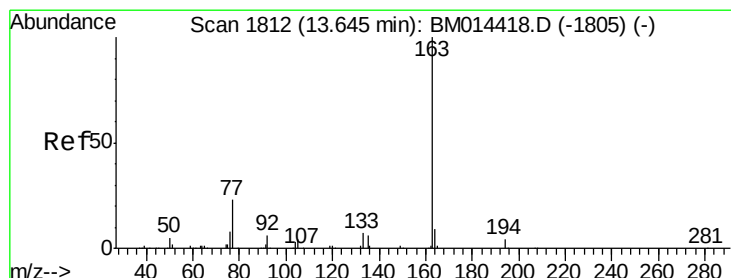
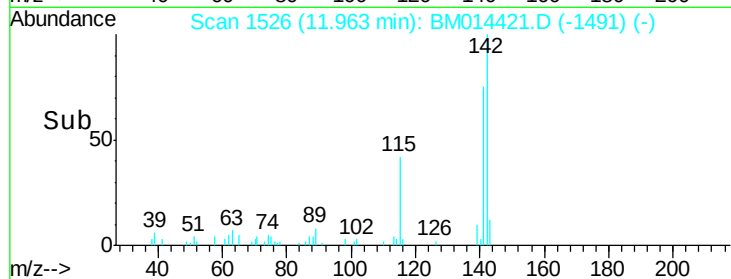
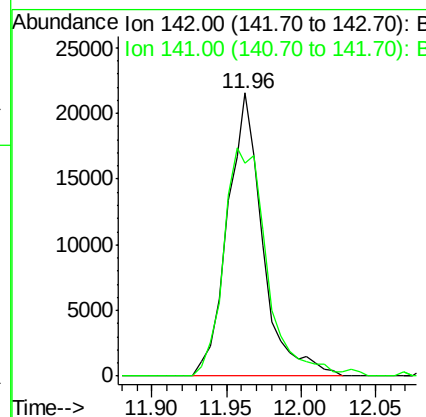
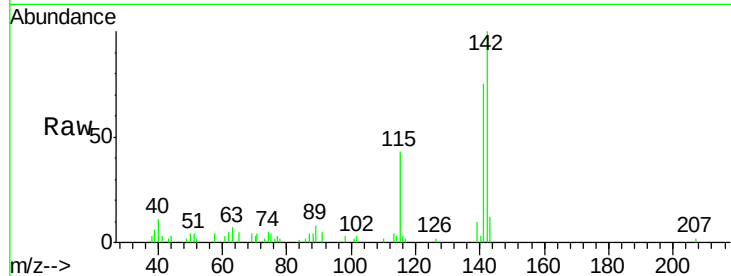
#34
2-Methylnaphthalene
Concen: 1.863 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Instrument :
BNA_M
ClientSampleId :
BE5X0

Tot Ion:142 Resp: 35647
Ion Ratio Lower Upper
142 100
141 75.3 74.1 111.1

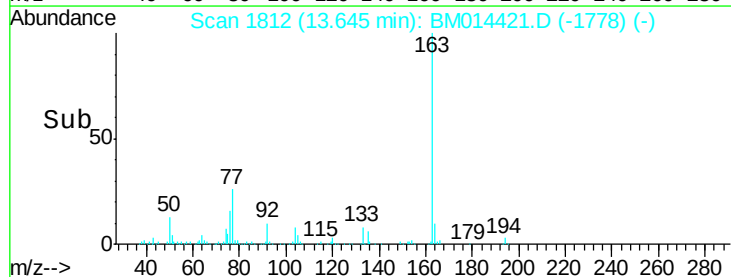
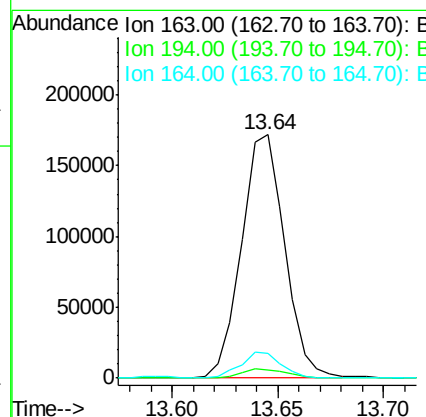
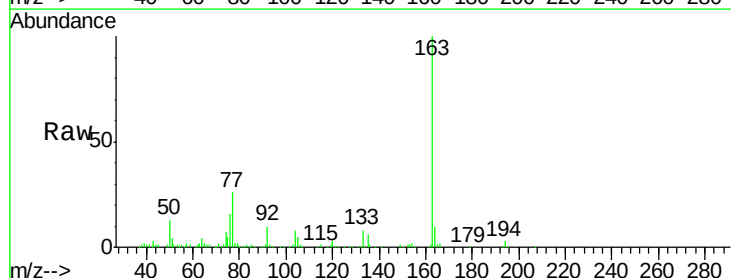
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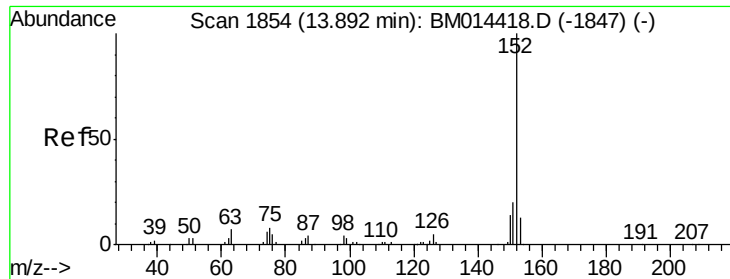
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#44
Dimethylphthalate
Concen: 9.279 ng/ul
RT: 13.64 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion:163 Resp: 242295
Ion Ratio Lower Upper
163 100
194 3.3 3.5 5.3#
164 10.3 8.2 12.4





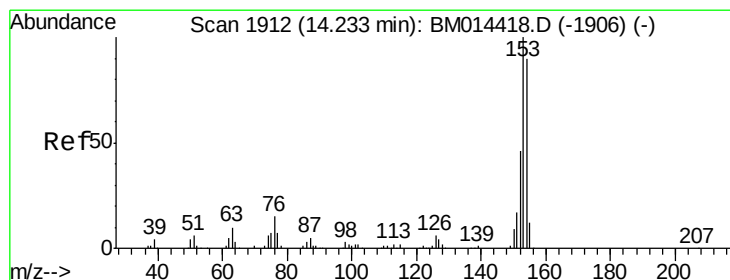
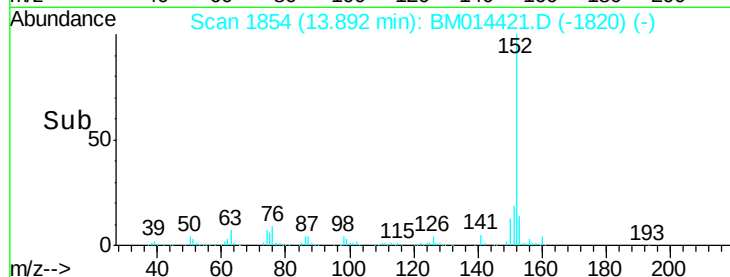
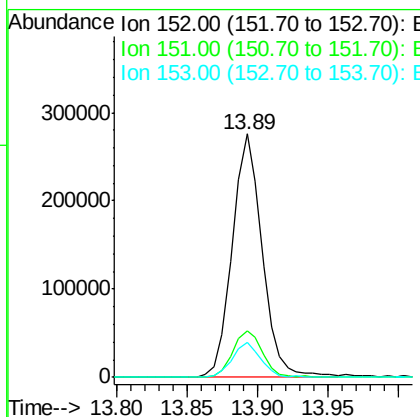
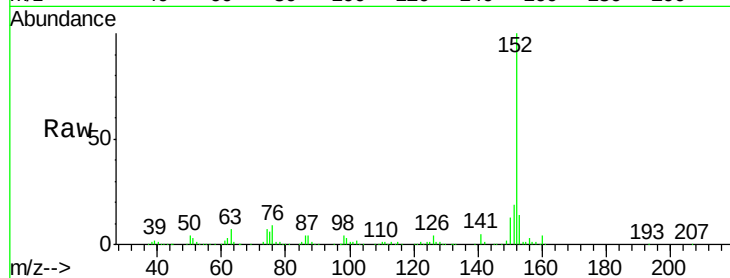
#47
Acenaphthylene
Concen: 13.249 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Instrument :
BNA_M
ClientSampleId :
BE5X0

Tot Ion	Ratio	Resp	Lower	Upper
152	100	408929		
151	19.3		16.3	24.5
153	14.2		10.2	15.4

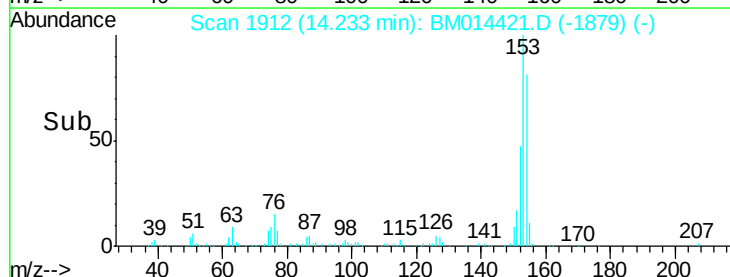
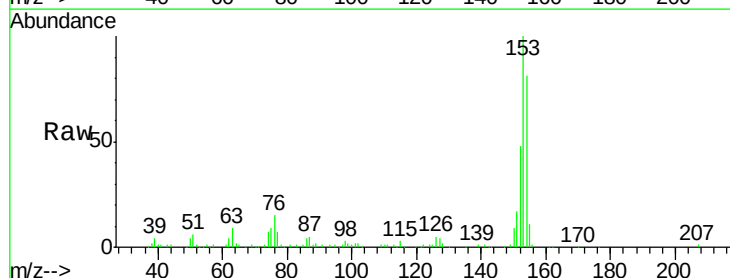
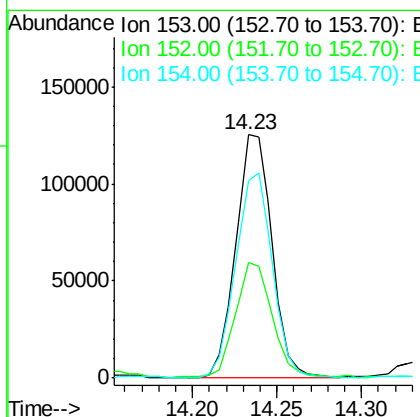
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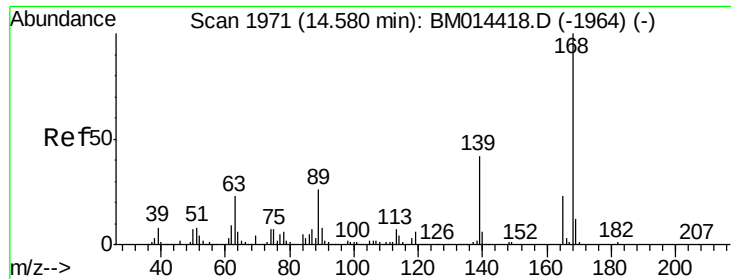
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#49
Acenaphthene
Concen: 8.640 ng/ul
RT: 14.23 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	187772		
152	47.6		37.6	56.4
154	81.3		70.4	105.6





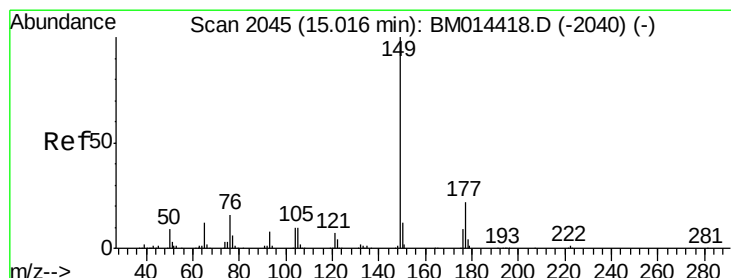
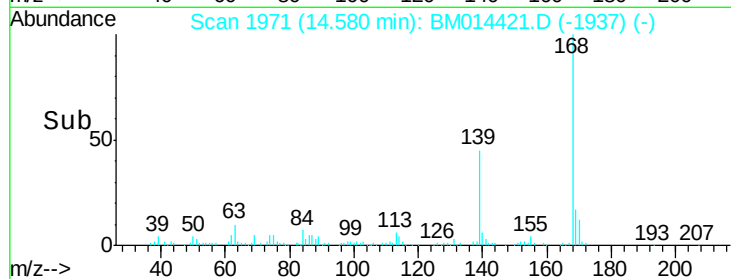
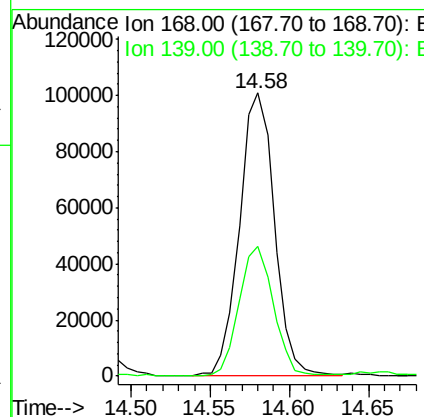
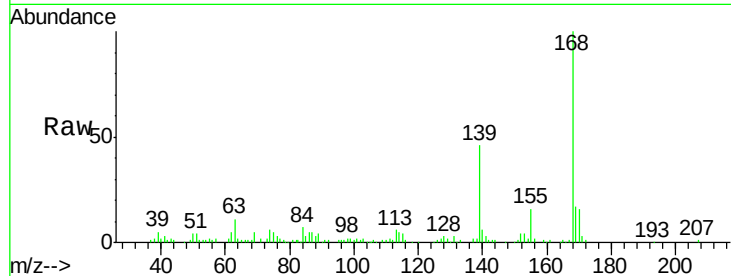
#53
Dibenzo(f,h)quinoxaline
Concen: 4.759 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Instrument :
BNA_M
ClientSampleId :
BE5X0

Tot Ion	Ratio	Lower	Upper
168	100		
139	45.9	30.8	46.2

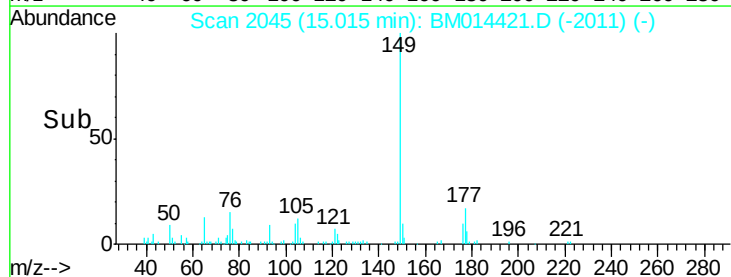
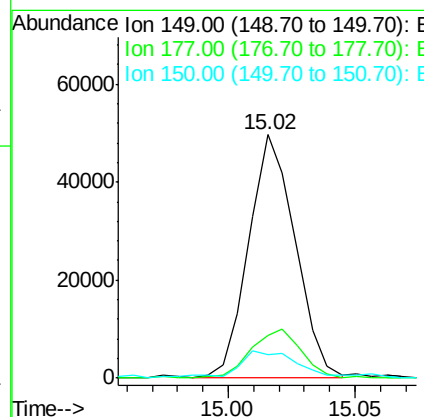
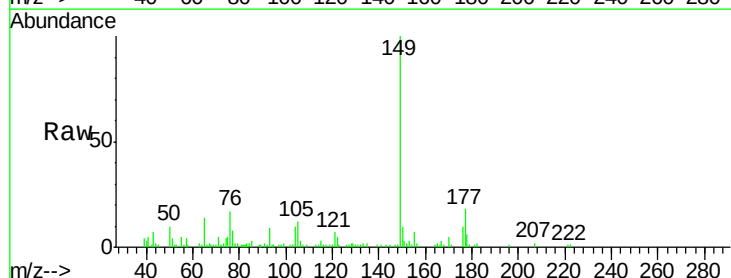
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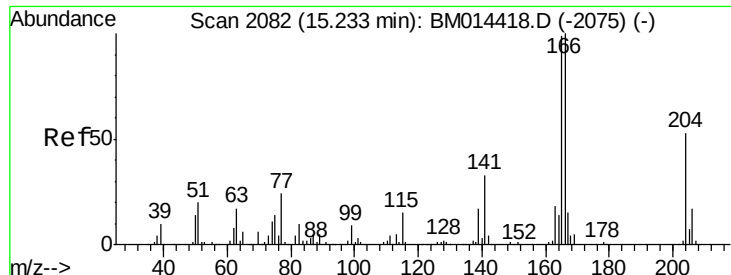
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#56
Diethylphthalate
Concen: 2.182 ng/ul
RT: 15.02 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion	Ratio	Lower	Upper
149	100		
177	17.5	20.5	30.7#
150	9.7	10.6	15.8#





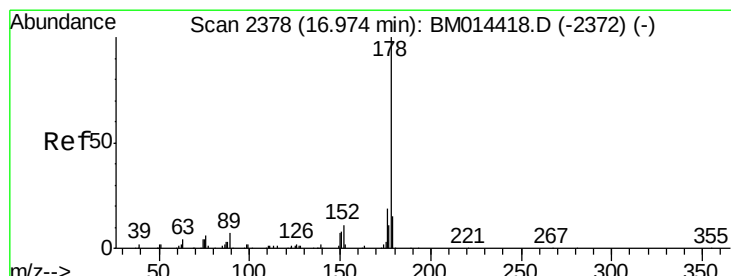
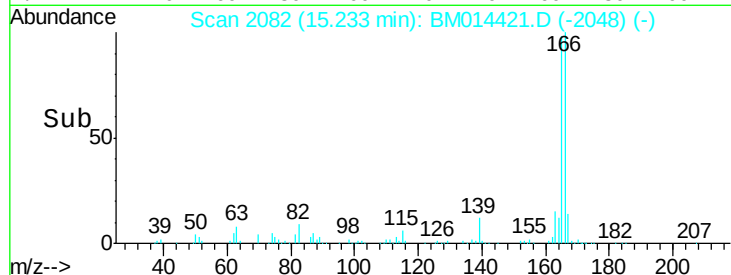
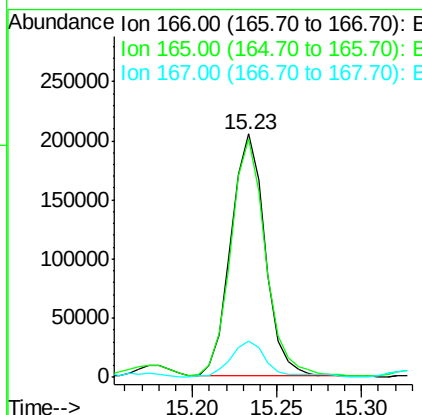
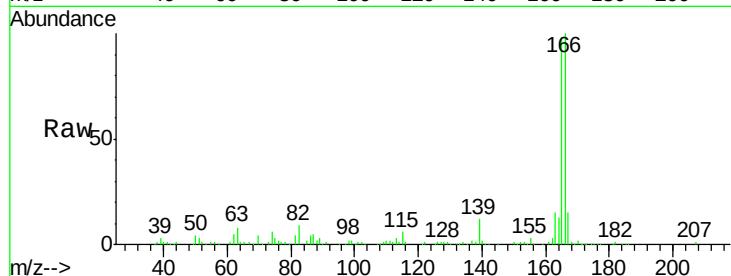
#58
 Fluorene
 Concen: 10.316 ng/ul
 RT: 15.23 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM014421.D
 Acq: 01 Mar 2018 03:21

Instrument :
 BNA_M
 ClientSampled :
 BE5X0

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.9	116.9
167	14.8	10.6	16.0

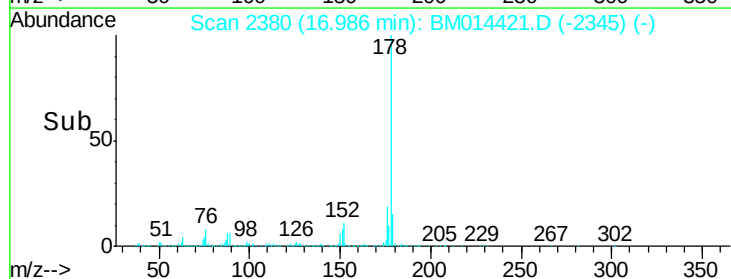
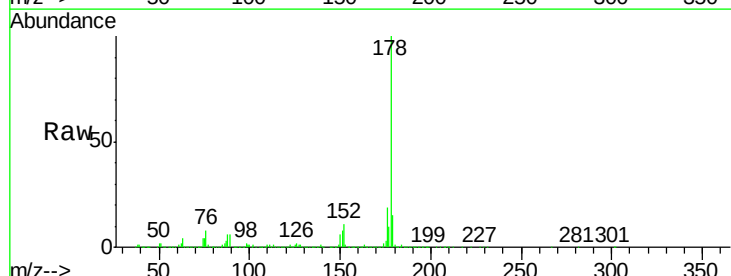
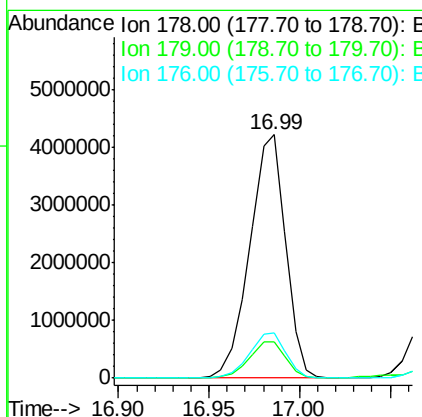
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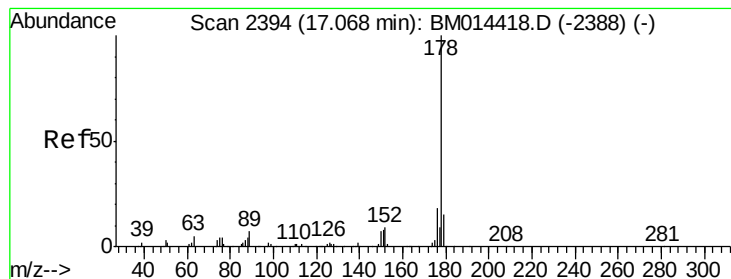
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 3/1/2018 5:15:33 PM



#69
 Phenanthrene
 Concen: 126.580 ng/ul
 RT: 16.99 min Scan# 2380
 Delta R.T. 0.01 min
 Lab File: BM014421.D
 Acq: 01 Mar 2018 03:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	19.0
176	18.5	14.9	22.3





#71

Anthracene

Concen: 31.513 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampleId :

BE5X0

Tot Ion:178 Resp: 1450400

Ion Ratio Lower Upper

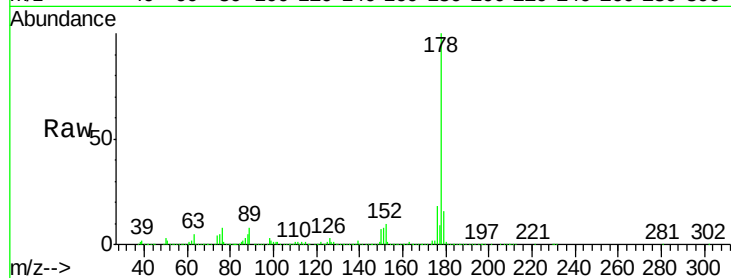
178 100

179 15.6 11.7 17.5

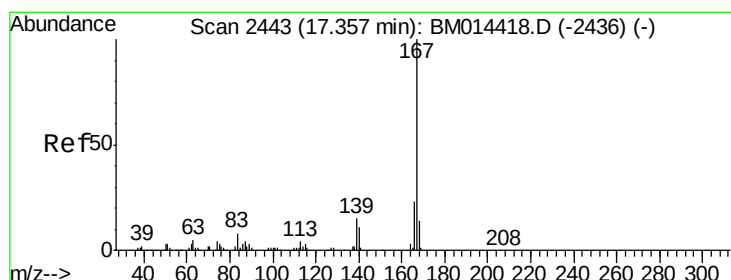
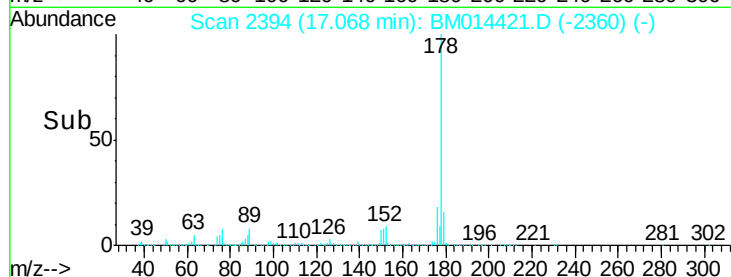
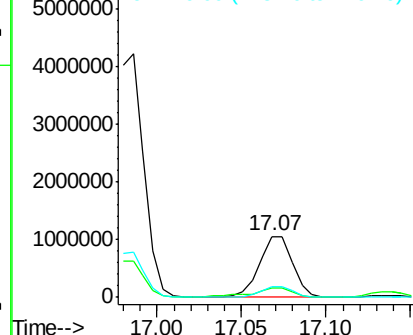
176 18.4 14.6 21.8

Manual Integrations
APPROVED

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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



#72

Carbazole

Concen: 10.408 ng/ul

RT: 17.35 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

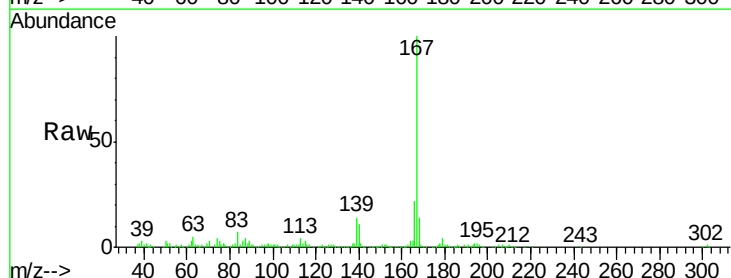
Tgt Ion:167 Resp: 402815

Ion Ratio Lower Upper

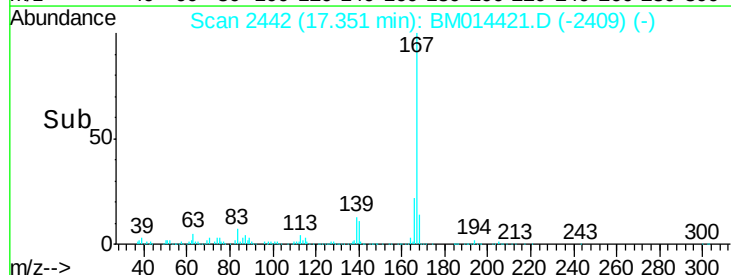
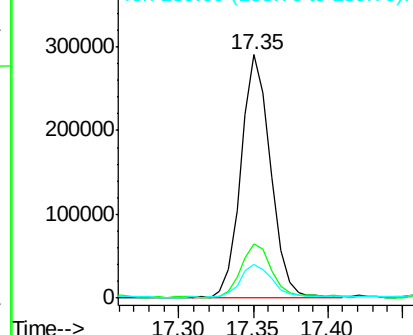
167 100

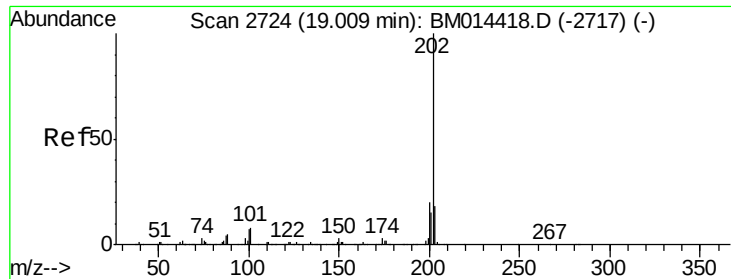
166 22.2 17.1 25.7

139 13.7 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 221.942 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

ClientSampled :

BE5X0

Tot Ion:202 Resp:12135085

Ion Ratio Lower Upper

202 100

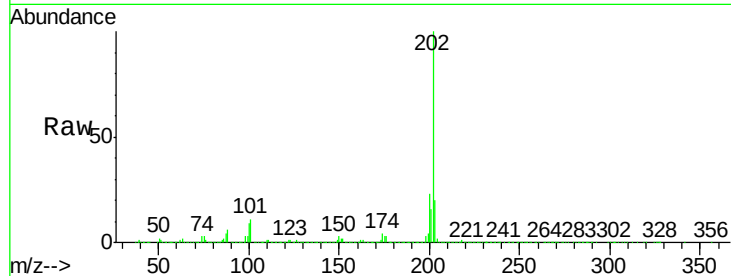
101 11.3 4.6 7.0#

100 8.8 3.4 5.2#

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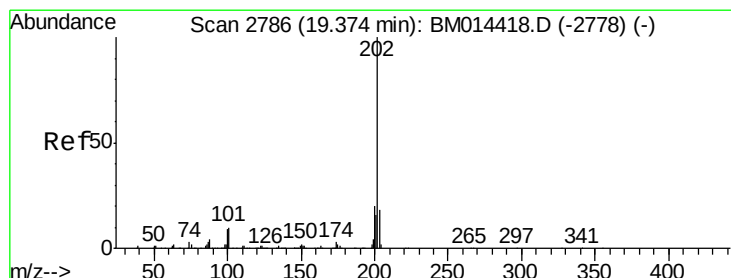
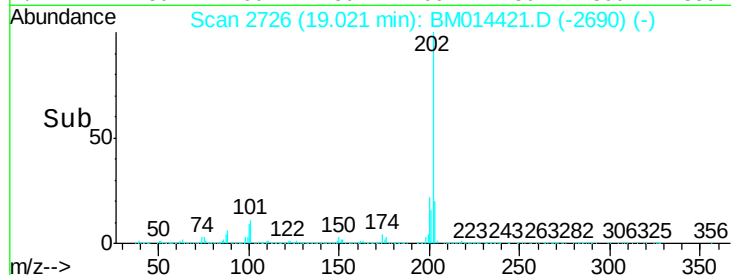
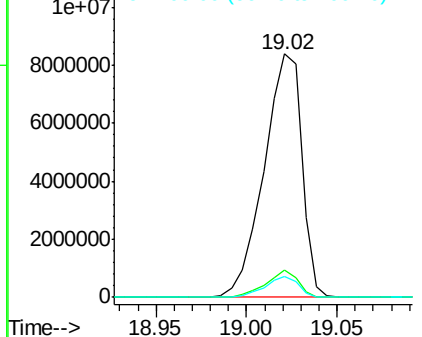
3/1/2018 5:15:33 PM



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: 171.269 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

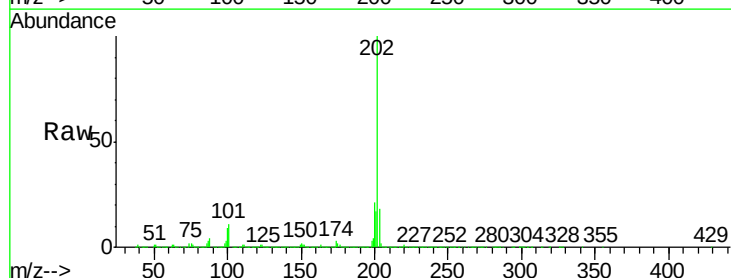
Tgt Ion:202 Resp:10533124

Ion Ratio Lower Upper

202 100

101 10.6 5.1 7.7#

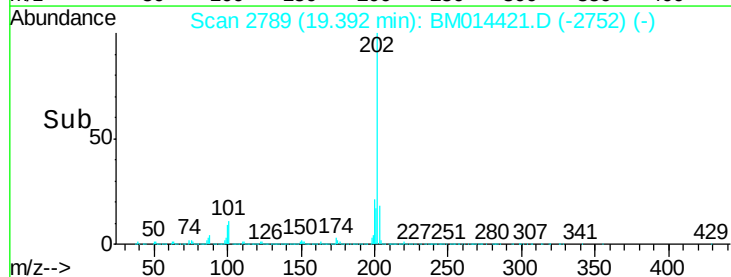
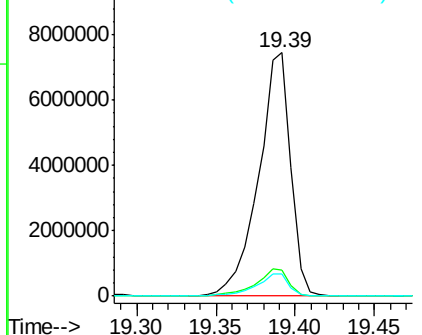
100 9.2 4.9 7.3#

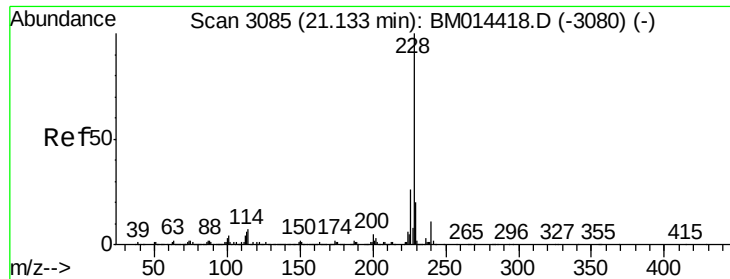


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





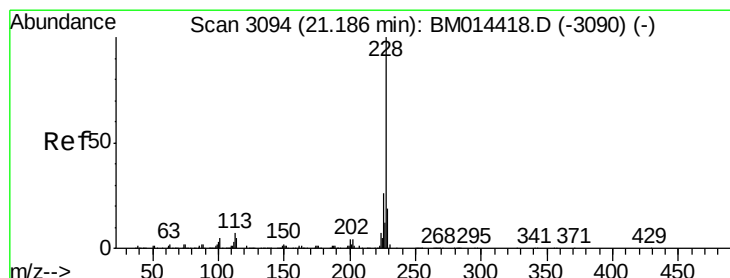
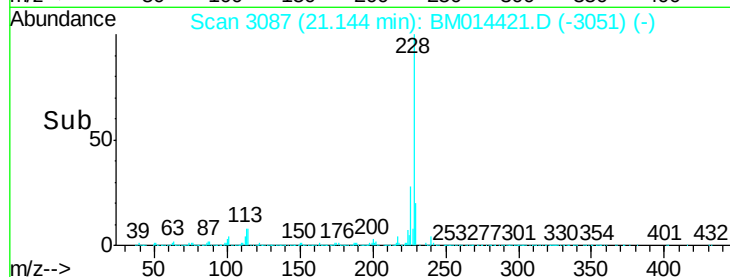
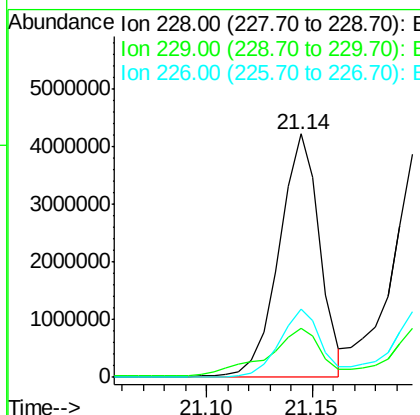
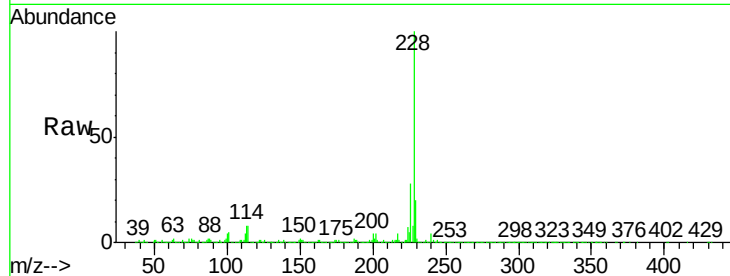
#80
Benzo(a)anthracene
Concen: 96.725 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Instrument :
BNA_M
ClientSampled :
BE5X0

Tot Ion:228 Resp: 5586372
Ion Ratio Lower Upper
228 100
229 20.3 15.4 23.0
226 27.8 21.4 32.0

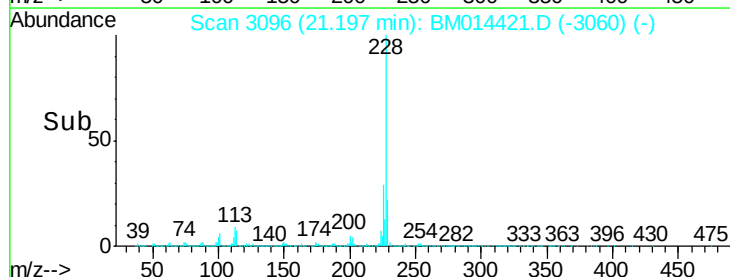
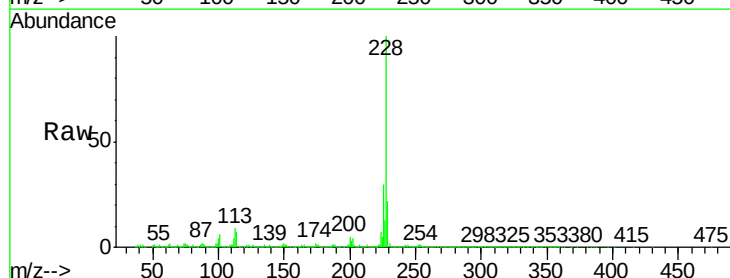
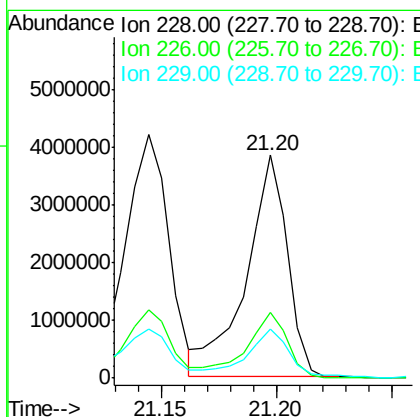
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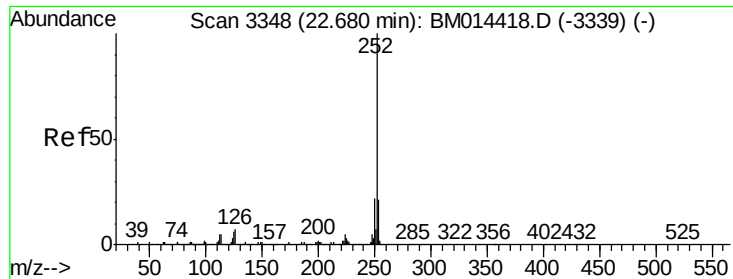
Sohil
3/1/2018 5:15:33 PM



#82
Chrysene
Concen: 89.249 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. 0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion:228 Resp: 4808590
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 22.2 15.5 23.3





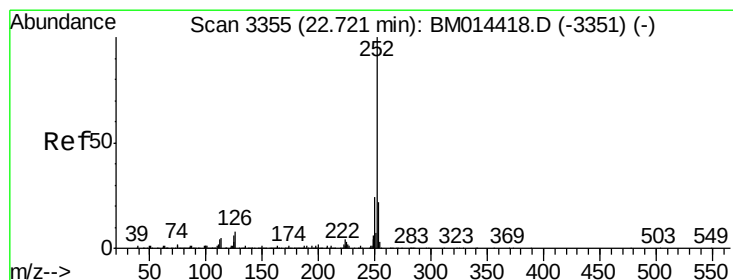
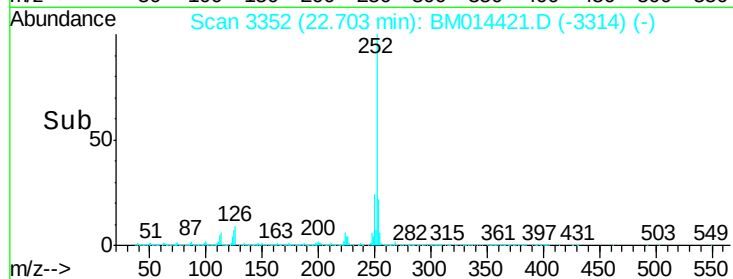
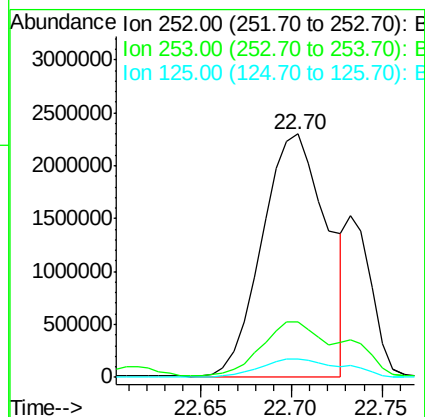
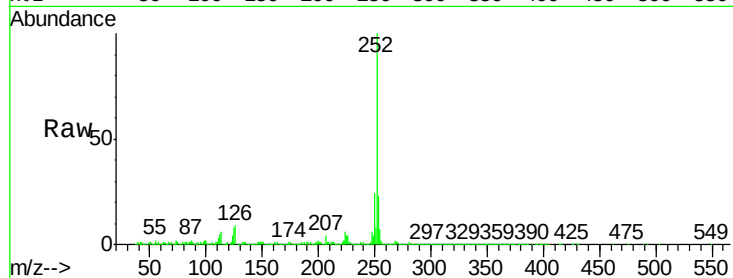
#85
Benzo(b)fluoranthene
Concen: 126.402 ng/ul
RT: 22.70 min Scan# 3352
Delta R.T. 0.02 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Instrument :
BNA_M
ClientSampleId :
BE5X0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.7	3.6	5.4

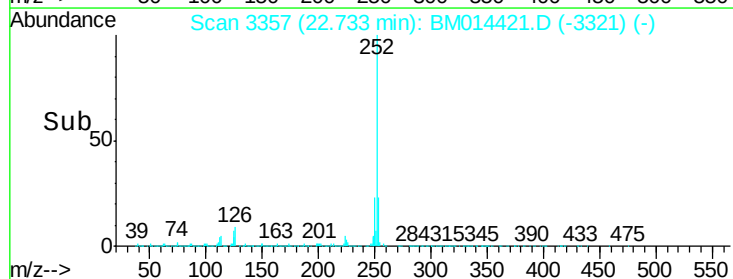
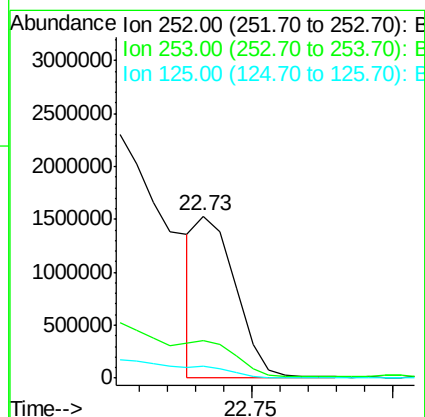
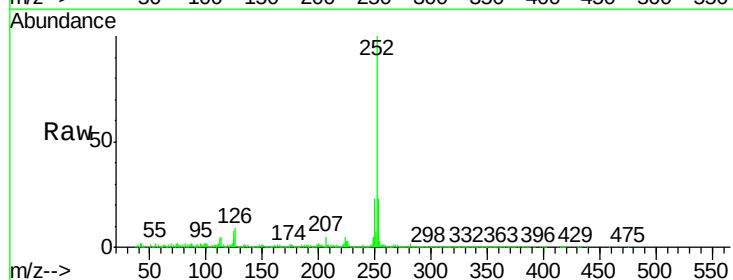
Manual Integrations
APPROVED

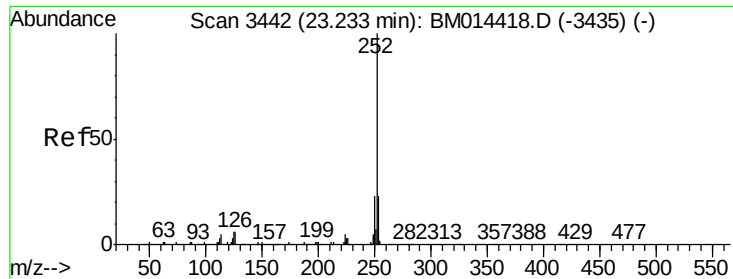
Sohil
3/1/2018 5:15:33 PM



#86
Benzo(k)fluoranthene
Concen: 34.322 ng/ul m
RT: 22.73 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	7.7	3.4	5.2





#88

Benzo(a)pyrene

Concen: 94.453 ng/ul

RT: 23.26 min Scan# 3446

Delta R.T. 0.02 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Instrument :

BNA_M

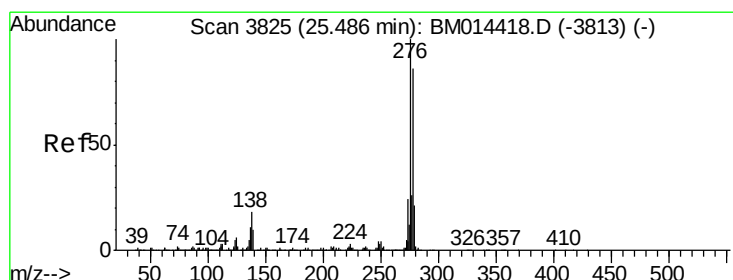
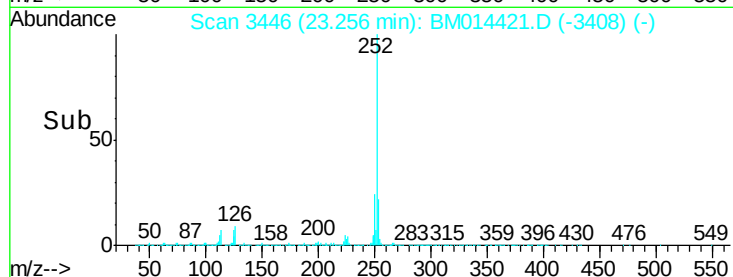
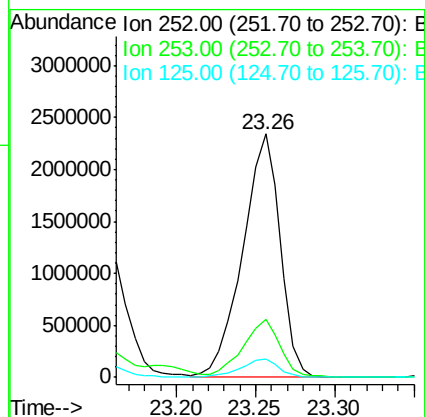
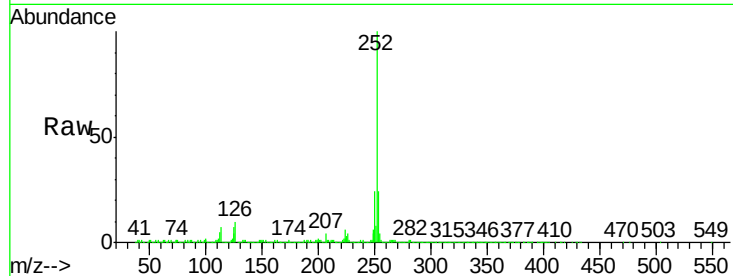
ClientSampleId :

BE5X0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	7.3	4.0	6.0

Manual Integrations
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3/1/2018 5:15:33 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 53.658 ng/ul

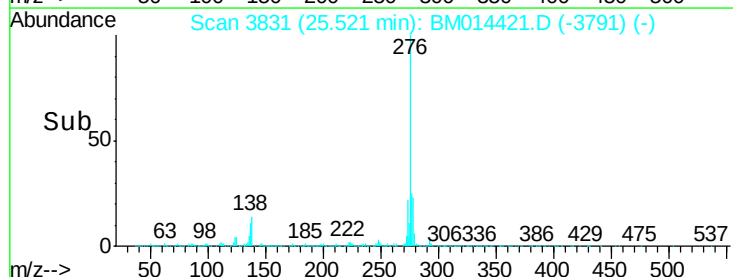
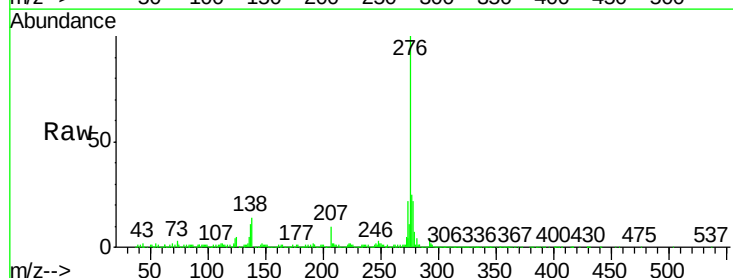
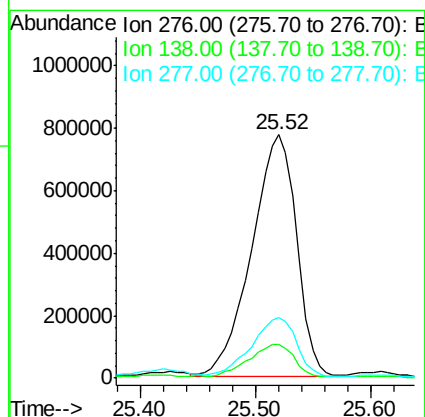
RT: 25.52 min Scan# 3831

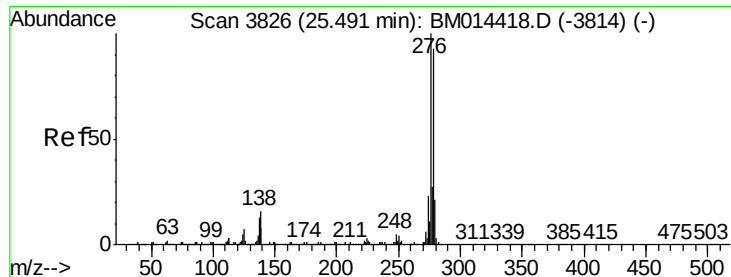
Delta R.T. 0.04 min

Lab File: BM014421.D

Acq: 01 Mar 2018 03:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	9.3	13.9
277	24.9	19.9	29.9





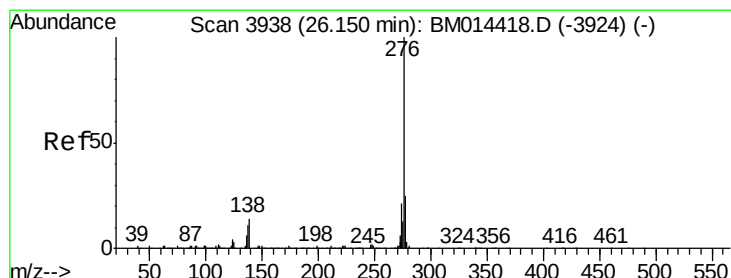
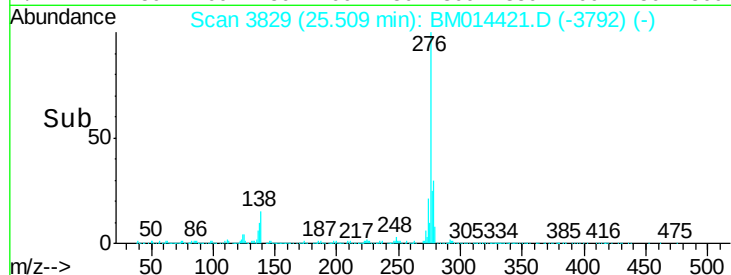
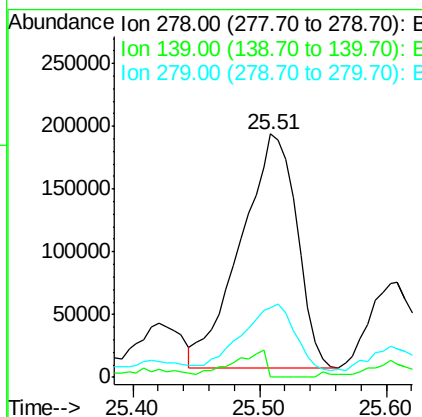
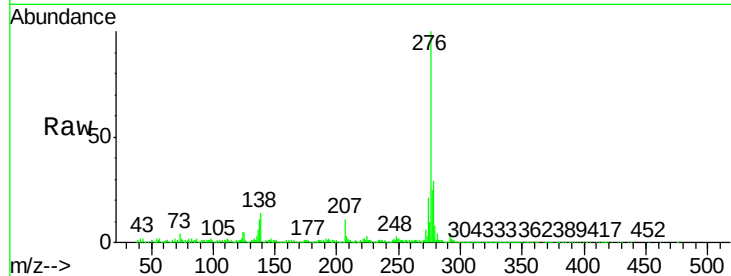
#90
Dibenzo(a,h)anthracene
Concen: 17.570 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.02 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Instrument :
BNA_M
ClientSampled :
BE5X0

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	28.8	18.6	27.8#

Manual Integrations
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3/1/2018 5:15:33 PM



#91
Benzo(g,h,i)perylene
Concen: 45.195 ng/ul
RT: 26.18 min Scan# 3943
Delta R.T. 0.03 min
Lab File: BM014421.D
Acq: 01 Mar 2018 03:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.3	8.5	12.7#
277	24.5	18.6	28.0

