

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014478.D
 Acq On : 05 Mar 2018 18:23
 Operator : SJ/JU
 Sample : J1646-04DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BE5X0DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:02 PM

Quant Time: Mar 06 00:07:12 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	96156	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	366222	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	204617	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	405287	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	357189	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	334213	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	2988	1.33	ng/uL	0.00
5) Phenol-d5	6.74	99	46798	5.76	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	29505	6.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	39419	6.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	32690	4.60	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	18240	6.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	21974	7.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	37089m	6.39	ng/ul	0.02
29) 4-Chloroaniline-d4	10.46	131	27144	4.75	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	127796	7.56	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	152333	7.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	12174m	5.22	ng/ul	0.02
57) Fluorene-d10	15.18	176	98309	6.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	7618	3.13	ng/ul	0.02
70) Anthracene-d10	17.04	188	145535	7.44	ng/ul	0.00
76) Pyrene-d10	19.35	212	146191	7.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	120762m	7.42	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.64	163	31728	1.904	ng/ul	97
47) Acenaphthylene	13.89	152	37858	1.922	ng/ul#	93
49) Acenaphthene	14.24	153	24015	1.732	ng/ul#	86
58) Fluorene	15.24	166	33636	1.874	ng/ul#	88
69) Phenanthrene	16.99	178	565674	24.225	ng/ul	98
71) Anthracene	17.07	178	140577	5.986	ng/ul	98
72) Carbazole	17.36	167	40815	2.067	ng/ul#	90
74) Fluoranthene	19.02	202	1015812	36.411	ng/ul#	96
77) Pyrene	19.38	202	843508	35.534	ng/ul#	95
80) Benzo(a)anthracene	21.14	228	444175	19.925	ng/ul	97
82) Chrysene	21.20	228	383503	18.441	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	494636	22.103	ng/ul#	99
86) Benzo(k)fluoranthene	22.73	252	165773	7.791	ng/ul#	95
88) Benzo(a)pyrene	23.25	252	370957	18.550	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.51	276	232691	11.991	ng/ul	99
90) Dibenzo(a,h)anthracene	25.50	278	69037	4.282	ng/ul#	86
91) Benzo(g,h,i)perylene	26.19	276	167493	10.655	ng/ul#	94

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

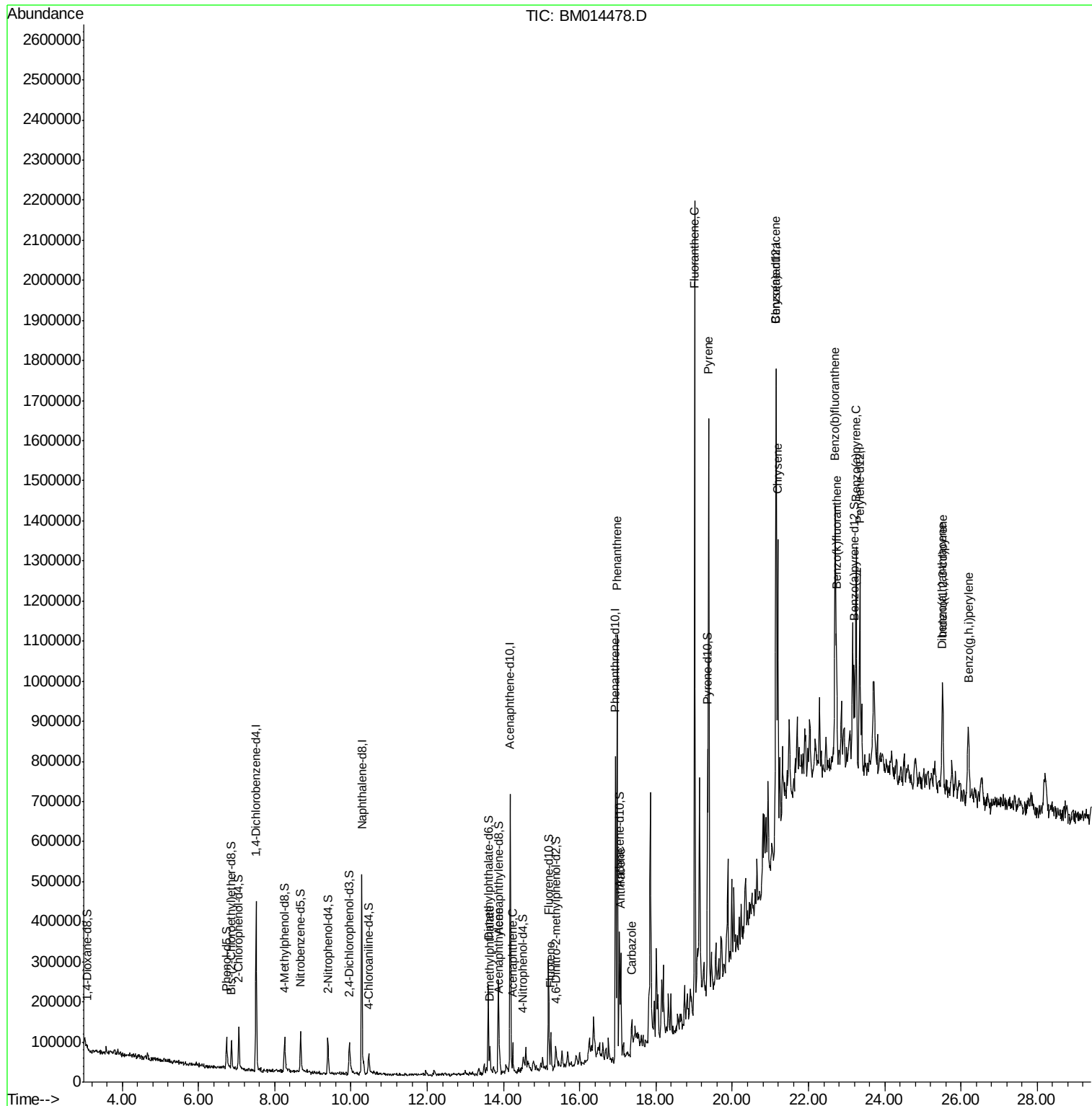
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014478.D
Acq On : 05 Mar 2018 18:23
Operator : SJ/JU
Sample : J1646-04DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

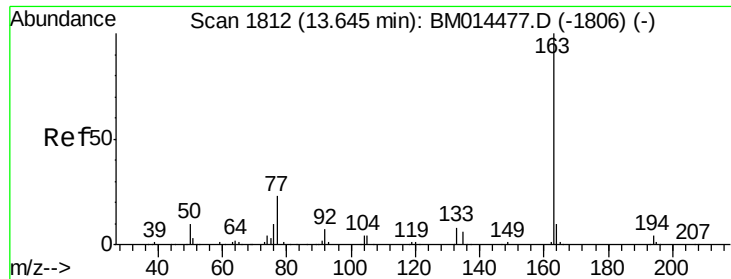
Instrument :
BNA_M
ClientSampleId :
BE5X0DL

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Quant Time: Mar 06 00:07:12 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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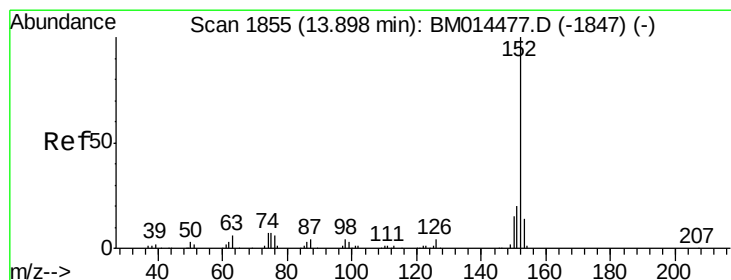
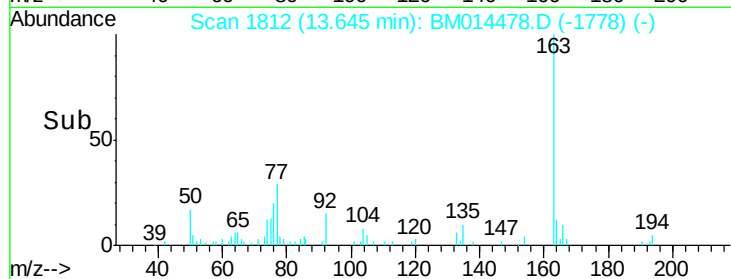
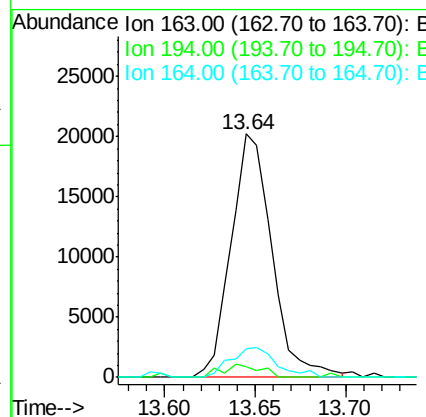
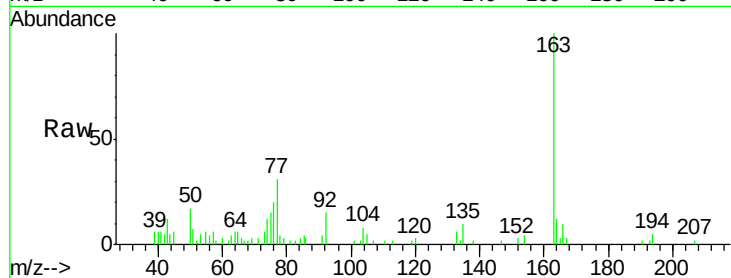
#44
Dimethylphthalate
Concen: 1.904 ng/ul
RT: 13.64 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014478.D
Acq: 05 Mar 2018 18:23

Instrument :
BNA_M
ClientSampled :
BE5X0DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	11.7	8.2	12.4

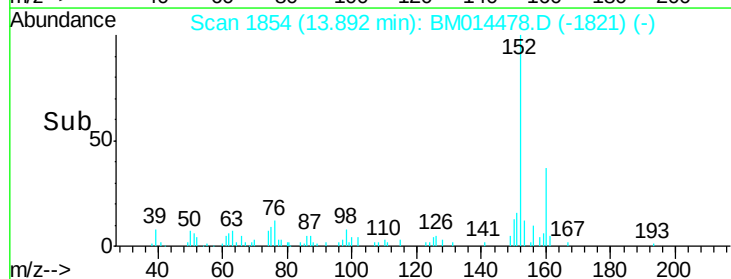
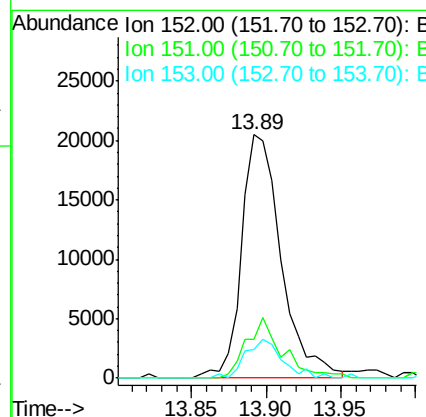
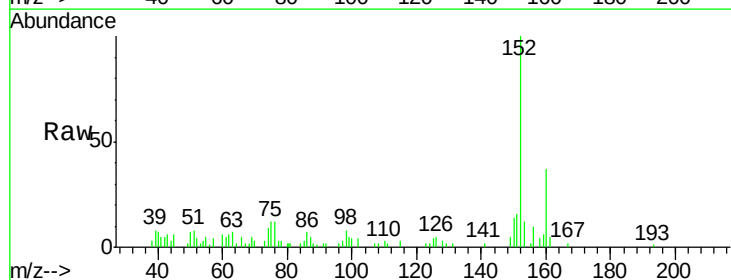
Manual Integrations
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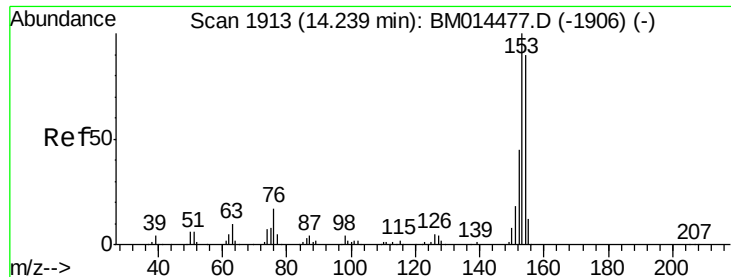
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#47
Acenaphthylene
Concen: 1.922 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM014478.D
Acq: 05 Mar 2018 18:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	15.8	16.3	24.5#
153	11.6	10.2	15.4





#49

Acenaphthene

Concen: 1.732 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

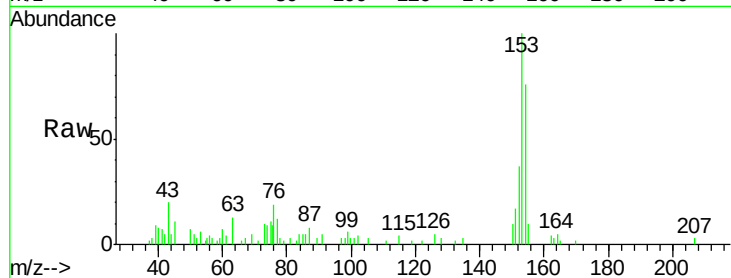
ClientSampleId :

BE5X0DL

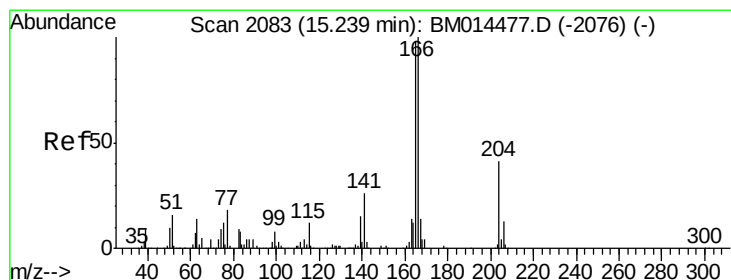
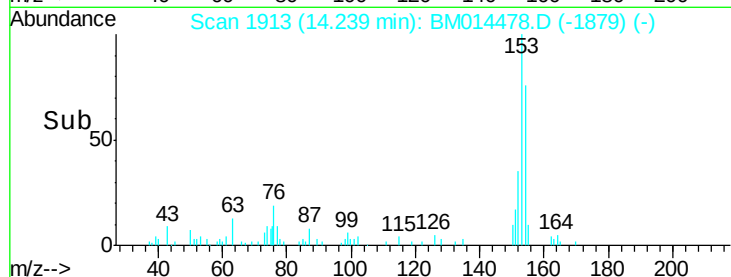
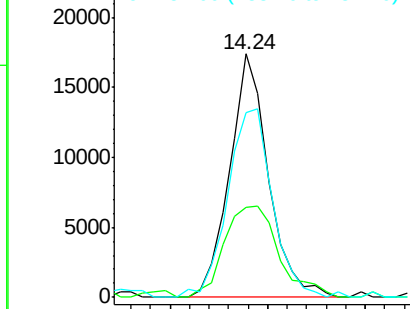
Tot Ion:	153	Resp:	24015
Ion Ratio	Lower	Upper	
153	100		
152	36.9	37.6	56.4#
154	76.0	70.4	105.6

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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



#58

Fluorene

Concen: 1.874 ng/ul

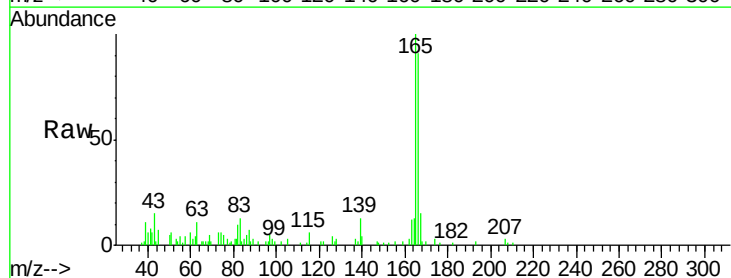
RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

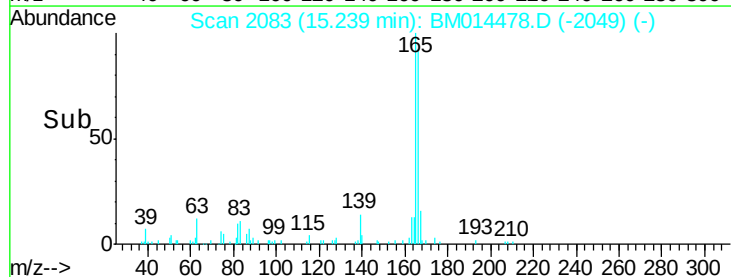
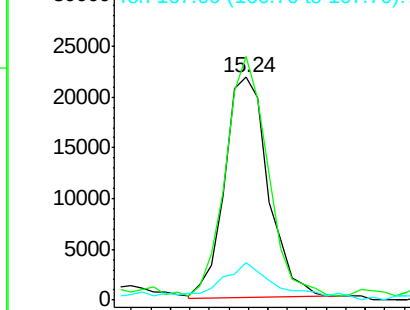
Lab File: BM014478.D

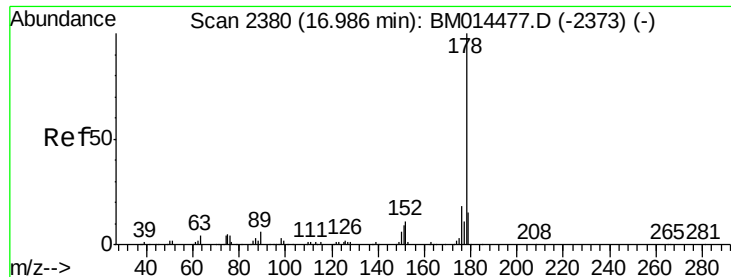
Acq: 05 Mar 2018 18:23

Tgt Ion:	166	Resp:	33636
Ion Ratio	Lower	Upper	
166	100		
165	109.3	77.9	116.9
167	16.8	10.6	16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 24.225 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

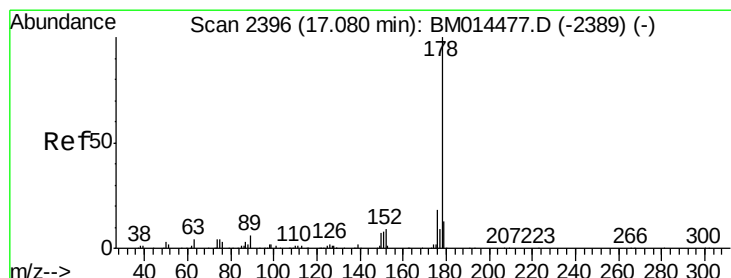
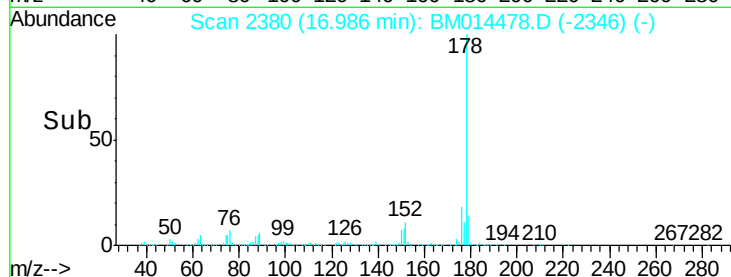
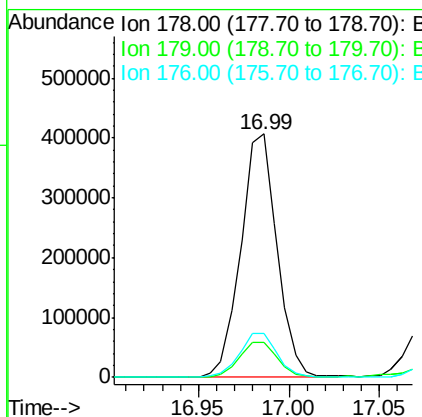
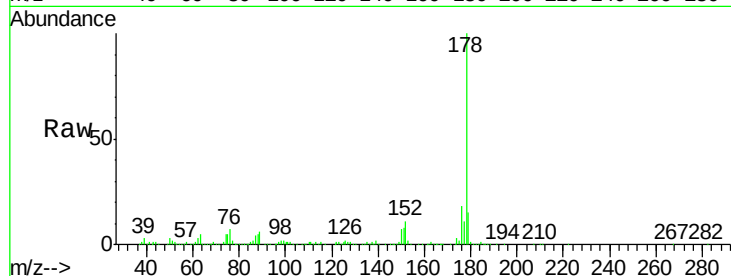
ClientSampled :

BE5X0DL

Tot Ion:	178	Resp:	565674
Ion Ratio	Lower	Upper	
178	100		
179	14.5	12.6	19.0
176	18.1	14.9	22.3

Manual Integrations
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#71

Anthracene

Concen: 5.986 ng/ul

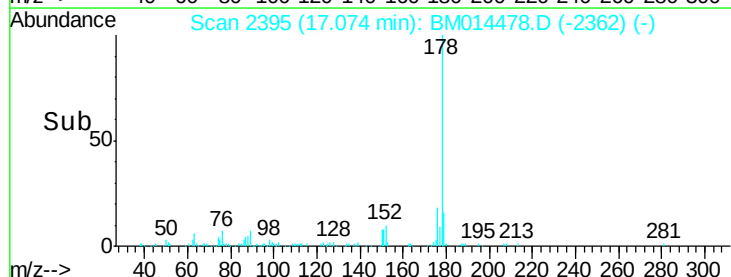
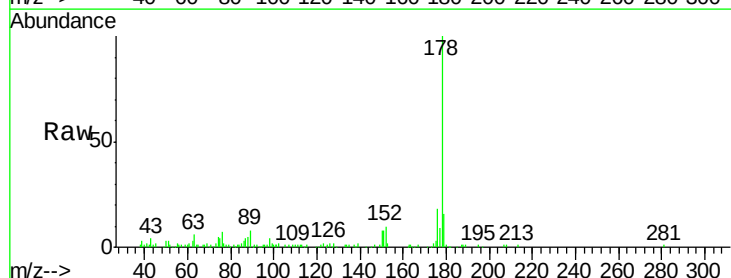
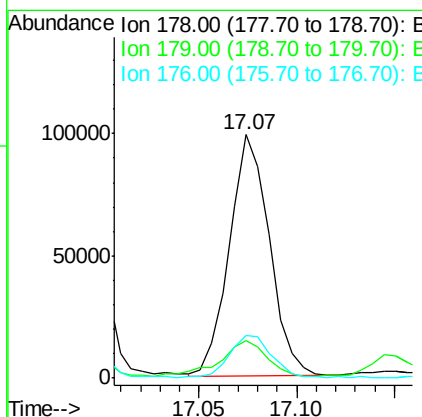
RT: 17.07 min Scan# 2395

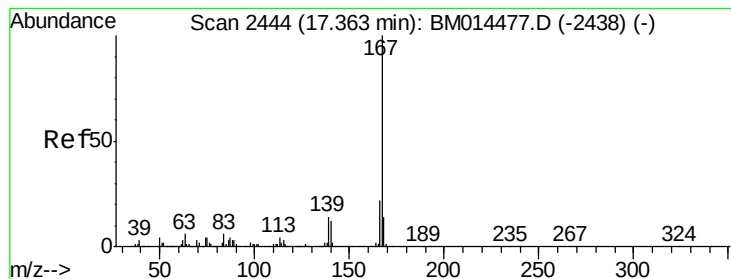
Delta R.T. -0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Tgt Ion:	178	Resp:	140577
Ion Ratio	Lower	Upper	
178	100		
179	15.5	11.7	17.5
176	17.7	14.6	21.8





#72

Carbazole

Concen: 2.067 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

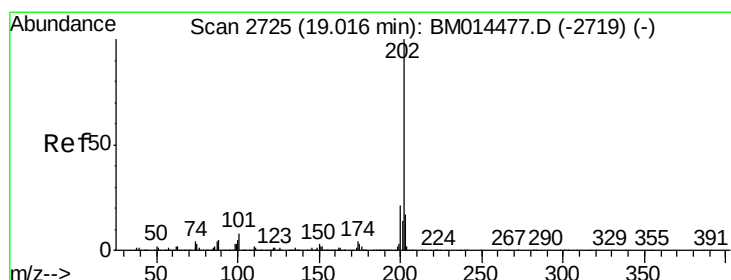
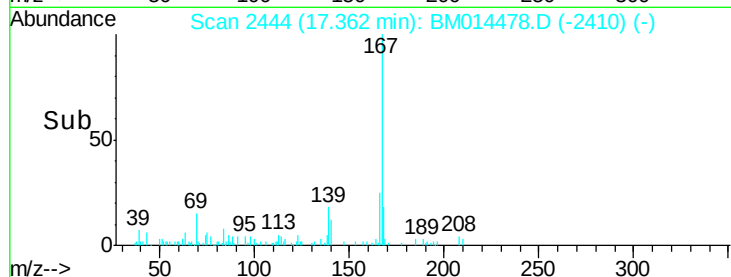
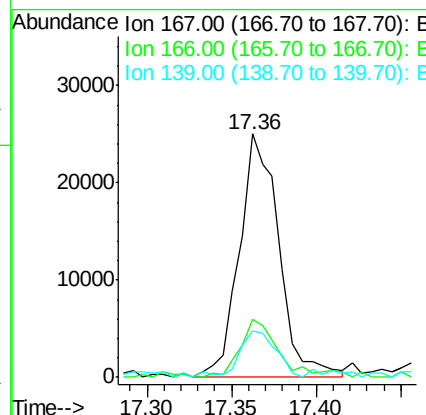
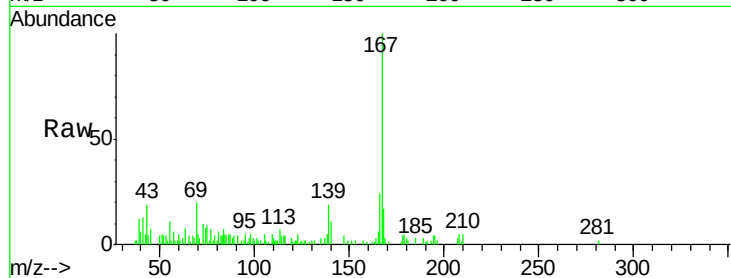
ClientSampleId :

BE5X0DL

Tot Ion:	167	Resp:	40815
Ion Ratio	Lower	Upper	
167	100		
166	24.0	17.1	25.7
139	19.3	10.0	15.0#

Manual Integrations
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#74

Fluoranthene

Concen: 36.411 ng/ul

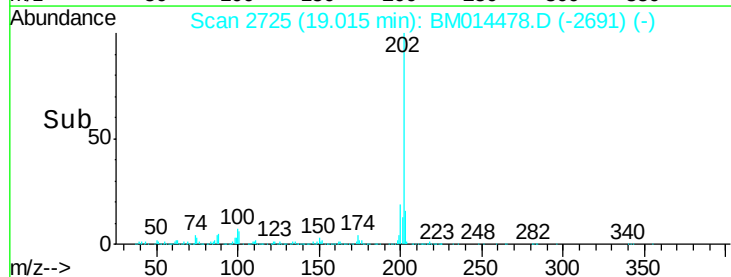
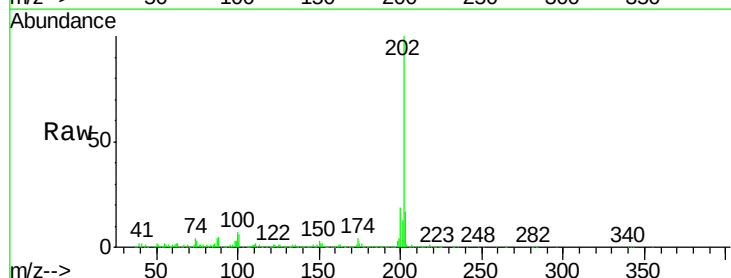
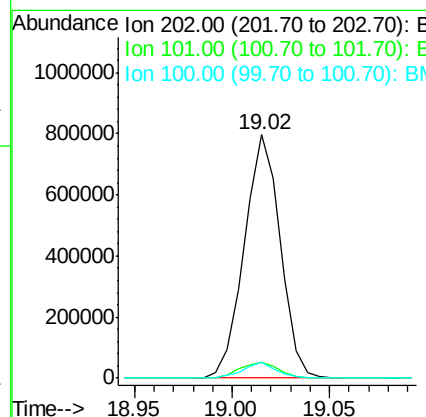
RT: 19.02 min Scan# 2725

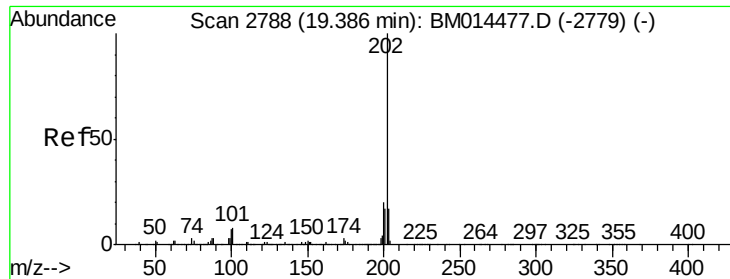
Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Tgt Ion:	202	Resp:	1015812
Ion Ratio	Lower	Upper	
202	100		
101	6.5	4.6	7.0
100	6.7	3.4	5.2#





#77

Pvrene

Concen: 35.534 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

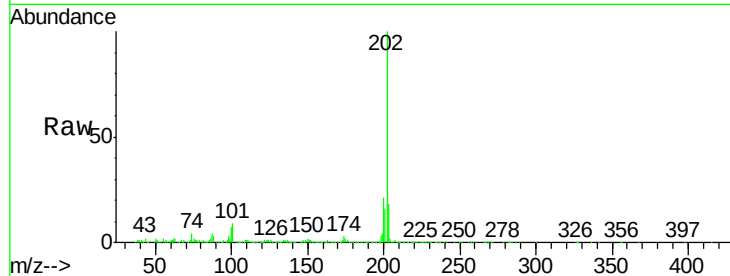
ClientSampleId :

BE5X0DL

Tot Ion:	202	Resp:	843508
Ion Ratio	Lower	Upper	
202	100		
101	8.8	5.1	7.7#
100	7.2	4.9	7.3

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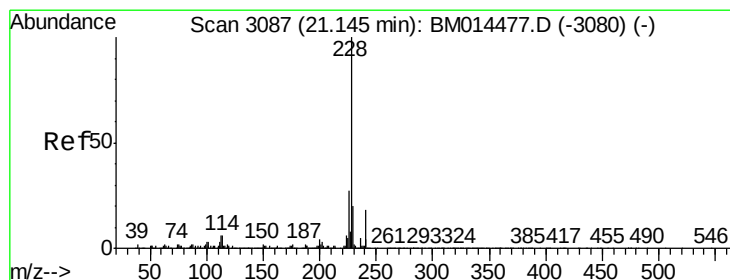
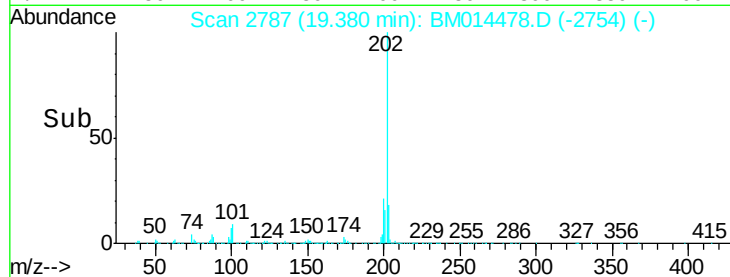
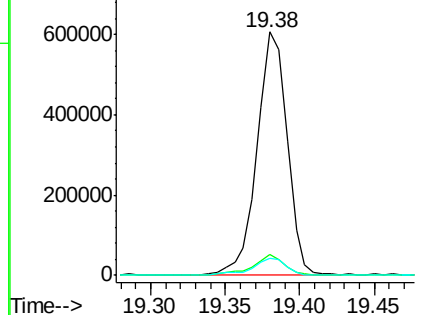
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 19.925 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM014478.D

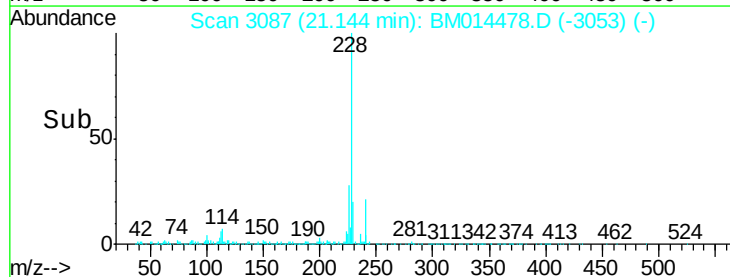
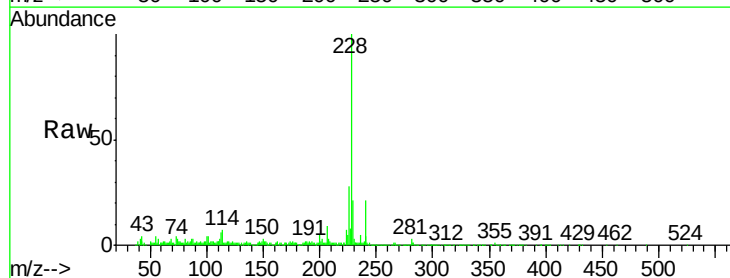
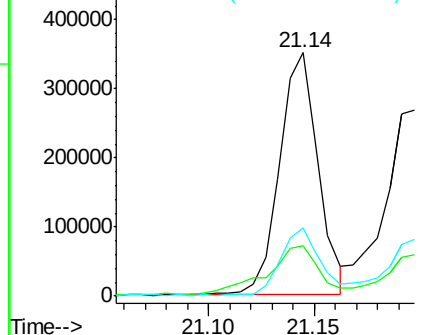
Acq: 05 Mar 2018 18:23

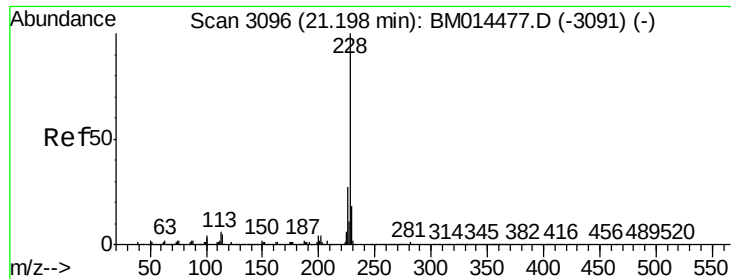
Tgt Ion:	228	Resp:	444175
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.4	23.0
226	27.9	21.4	32.0

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 18.441 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Instrument :

BNA_M

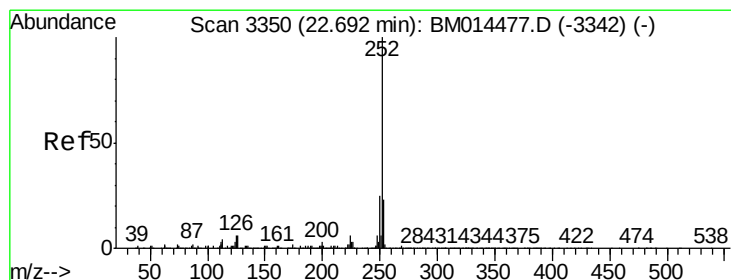
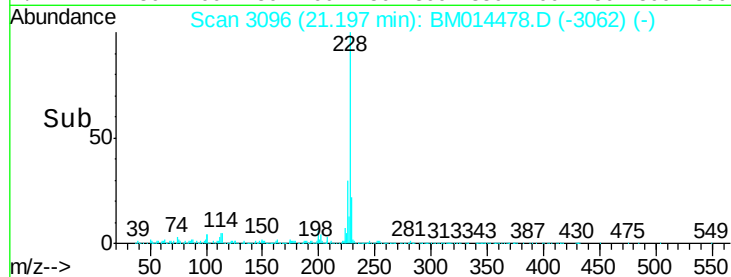
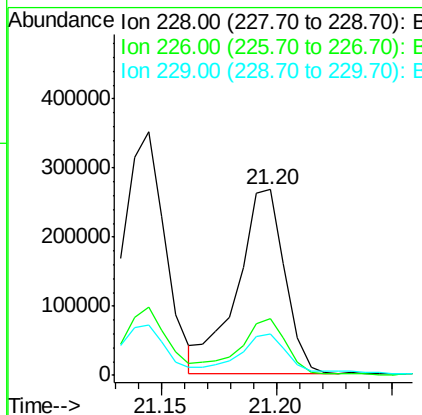
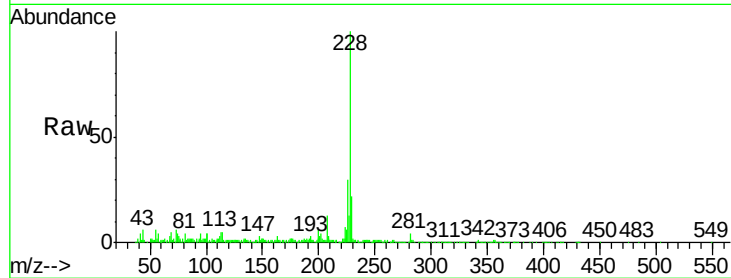
ClientSampleId :

BE5X0DL

Tot Ion:	228	Resp:	383503
Ion Ratio		Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.0	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 22.103 ng/ul

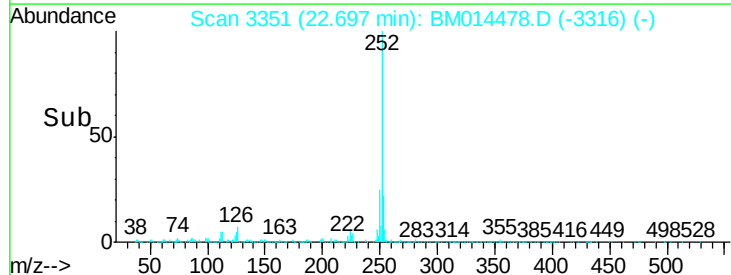
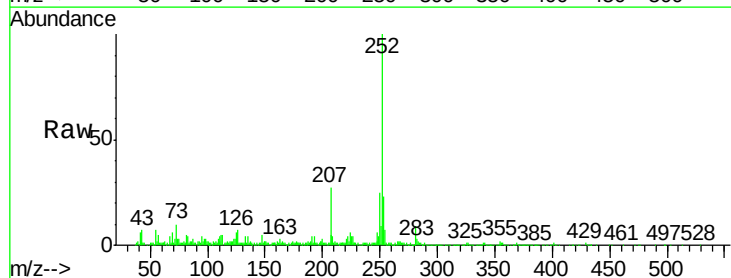
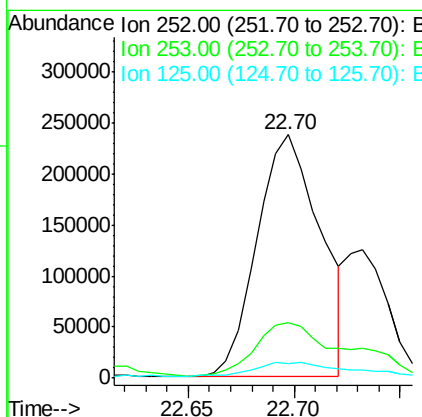
RT: 22.70 min Scan# 3351

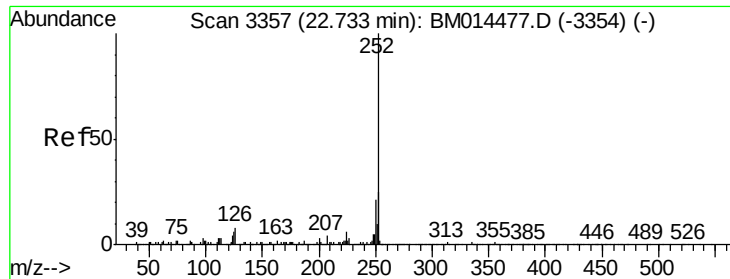
Delta R.T. 0.01 min

Lab File: BM014478.D

Acq: 05 Mar 2018 18:23

Tgt Ion:	252	Resp:	494636
Ion Ratio		Lower	Upper
252	100		
253	22.6	17.9	26.9
125	5.7	3.6	5.4





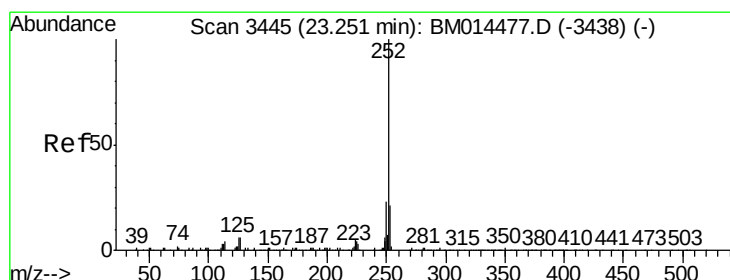
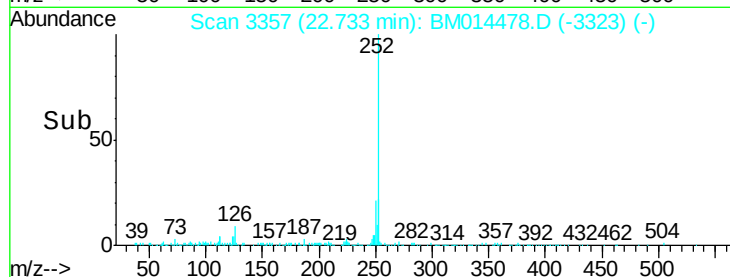
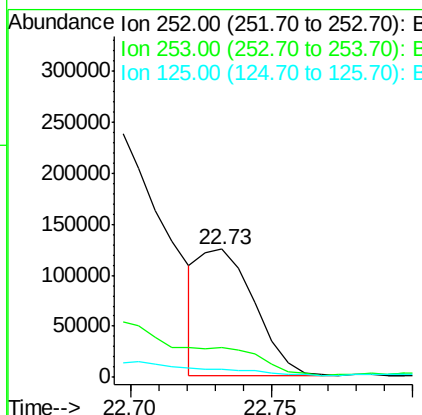
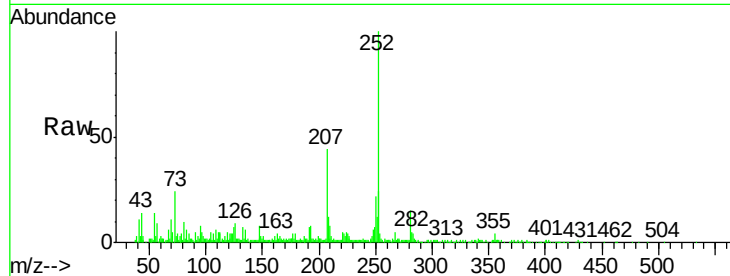
#86
Benzo(k)fluoranthene
Concen: 7.791 ng/ul
RT: 22.73 min Scan# 3357
Delta R.T. -0.00 min
Lab File: BM014478.D
Acq: 05 Mar 2018 18:23

Instrument :
BNA_M
ClientSampleId :
BE5X0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	6.5	3.4	5.2

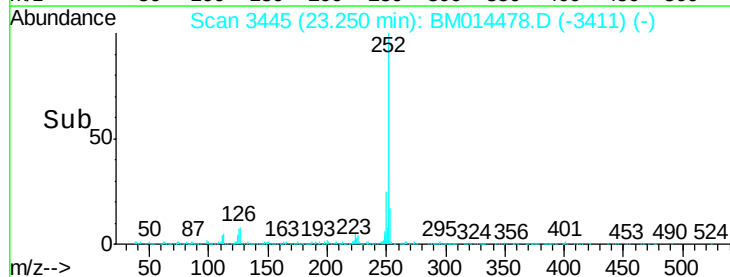
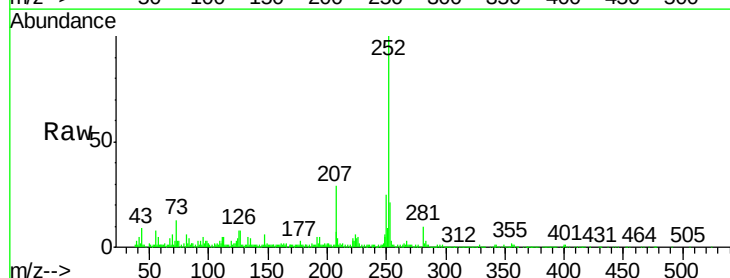
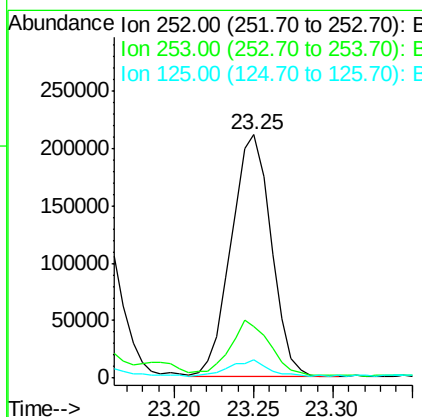
Manual Integrations
APPROVED

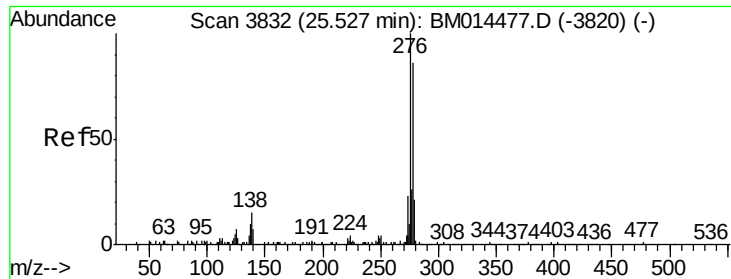
Sohil
3/6/2018 5:47:02 PM



#88
Benzo(a)pyrene
Concen: 18.550 ng/ul
RT: 23.25 min Scan# 3445
Delta R.T. -0.00 min
Lab File: BM014478.D
Acq: 05 Mar 2018 18:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.2
125	7.6	4.0	6.0





#89

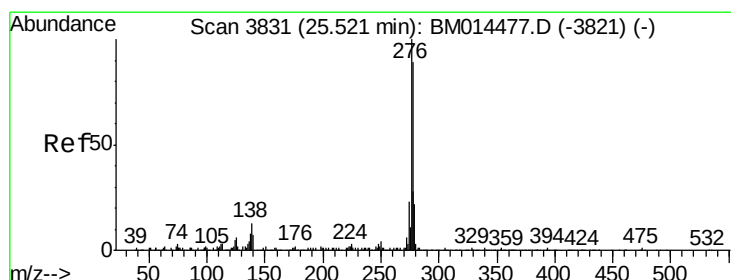
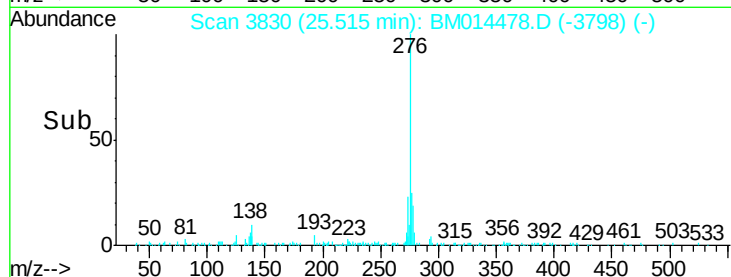
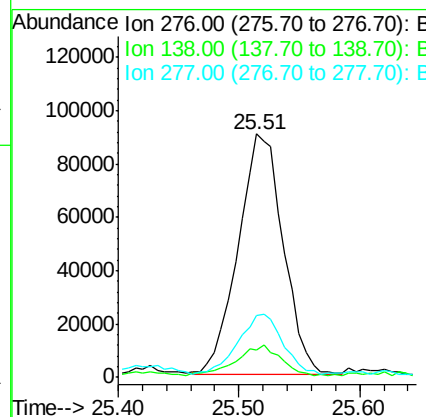
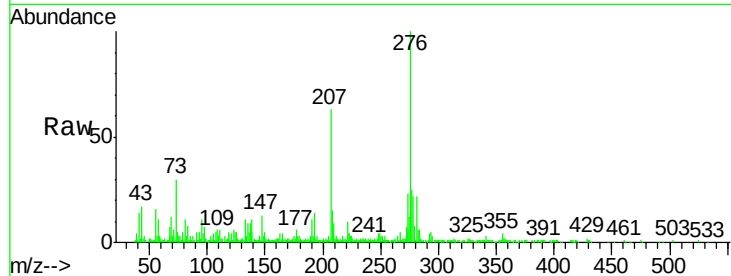
Indeno(1,2,3-cd)pyrene
Concen: 11.991 ng/ul
RT: 25.51 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM014478.D
Acq: 05 Mar 2018 18:23

Instrument :
BNA_M
ClientSampleId :
BE5X0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.2	9.3	13.9
277	25.4	19.9	29.9

Manual Integrations
APPROVED

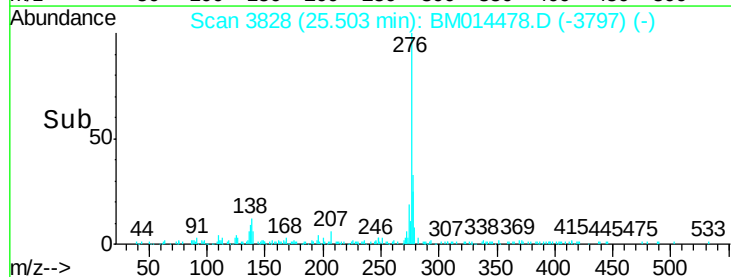
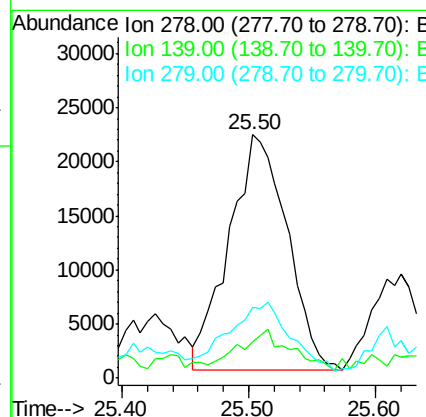
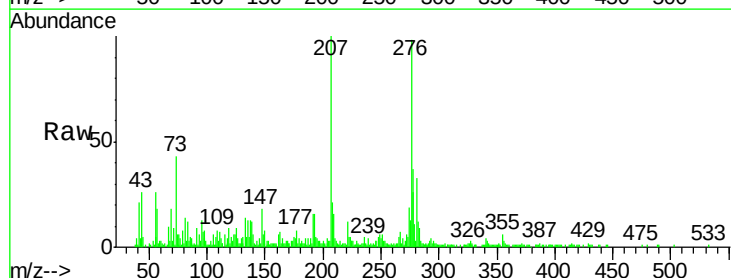
Sohil
3/6/2018 5:47:02 PM

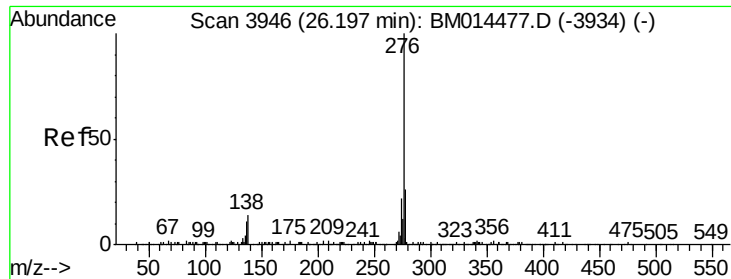


#90

Dibenzo(a,h)anthracene
Concen: 4.282 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. -0.02 min
Lab File: BM014478.D
Acq: 05 Mar 2018 18:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	5.8	8.8#
279	28.8	18.6	27.8#





#91
 Benzo(a,h,i)perylene
 Concen: 10.655 ng/ul
 RT: 26.19 min Scan# 3944
 Delta R.T. -0.01 min
 Lab File: BM014478.D
 Acq: 05 Mar 2018 18:23

Instrument :
 BNA_M
 ClientSampleId :
 BE5X0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	8.5	12.7#
277	25.6	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:02 PM

