

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014400.D
 Acq On : 28 Feb 2018 12:48
 Operator : SJ/JU
 Sample : J1646-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y1

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:14:30 PM

Quant Time: Mar 08 16:58:20 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 12:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	109930	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	457937	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	261025	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	532845	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	519887	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	508535	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	9142	3.56	ng/uL	0.00
5) Phenol-d5	6.72	99	184557	19.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	117688	20.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	156965	22.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	157375	19.36	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	77364	22.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	87168	24.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	157037	21.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	120322	16.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	506202	23.48	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	667410	25.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	29814m	10.02	ng/ul	0.03
57) Fluorene-d10	15.18	176	445191	23.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	12358	3.87	ng/ul	0.01
70) Anthracene-d10	17.04	188	655343	25.49	ng/ul	0.00
76) Pyrene-d10	19.34	212	692603	25.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	622637	25.16	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.69	77	15126	3.993 ng/ul#	90
6) Phenol	6.75	94	34095	3.497 ng/ul#	85
16) 4-Methylphenol	8.30	108	41440	5.100 ng/ul	90
28) Naphthalene	10.34	128	125777	5.348 ng/ul	96
34) 2-Methylnaphthalene	11.96	142	60892	3.401 ng/ul	88
44) Dimethylphthalate	13.65	163	118379	5.569 ng/ul	99
47) Acenaphthylene	13.90	152	37199	1.481 ng/ul#	90
56) Diethylphthalate	15.02	149	67042	2.830 ng/ul	94
69) Phenanthrene	16.98	178	463061	15.083 ng/ul	97
71) Anthracene	17.07	178	121726	3.943 ng/ul	99
72) Carbazole	17.36	167	41662	1.605 ng/ul	96
74) Fluoranthene	19.01	202	919443	25.067 ng/ul#	92
77) Pyrene	19.38	202	868777	25.145 ng/ul#	94
80) Benzo(a)anthracene	21.14	228	551457	16.996 ng/ul	97
82) Chrysene	21.19	228	569210	18.806 ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	769033	22.585 ng/ul#	94
86) Benzo(k)fluoranthene	22.73	252	288385m	8.908 ng/ul	
88) Benzo(a)pyrene	23.24	252	591367	19.435 ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.51	276	427115	14.466 ng/ul	93
90) Dibenzo(a,h)anthracene	25.51	278	112116	4.570 ng/ul#	79
91) Benzo(a,h,i)perylene	26.17	276	352940	14.756 ng/ul#	92

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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

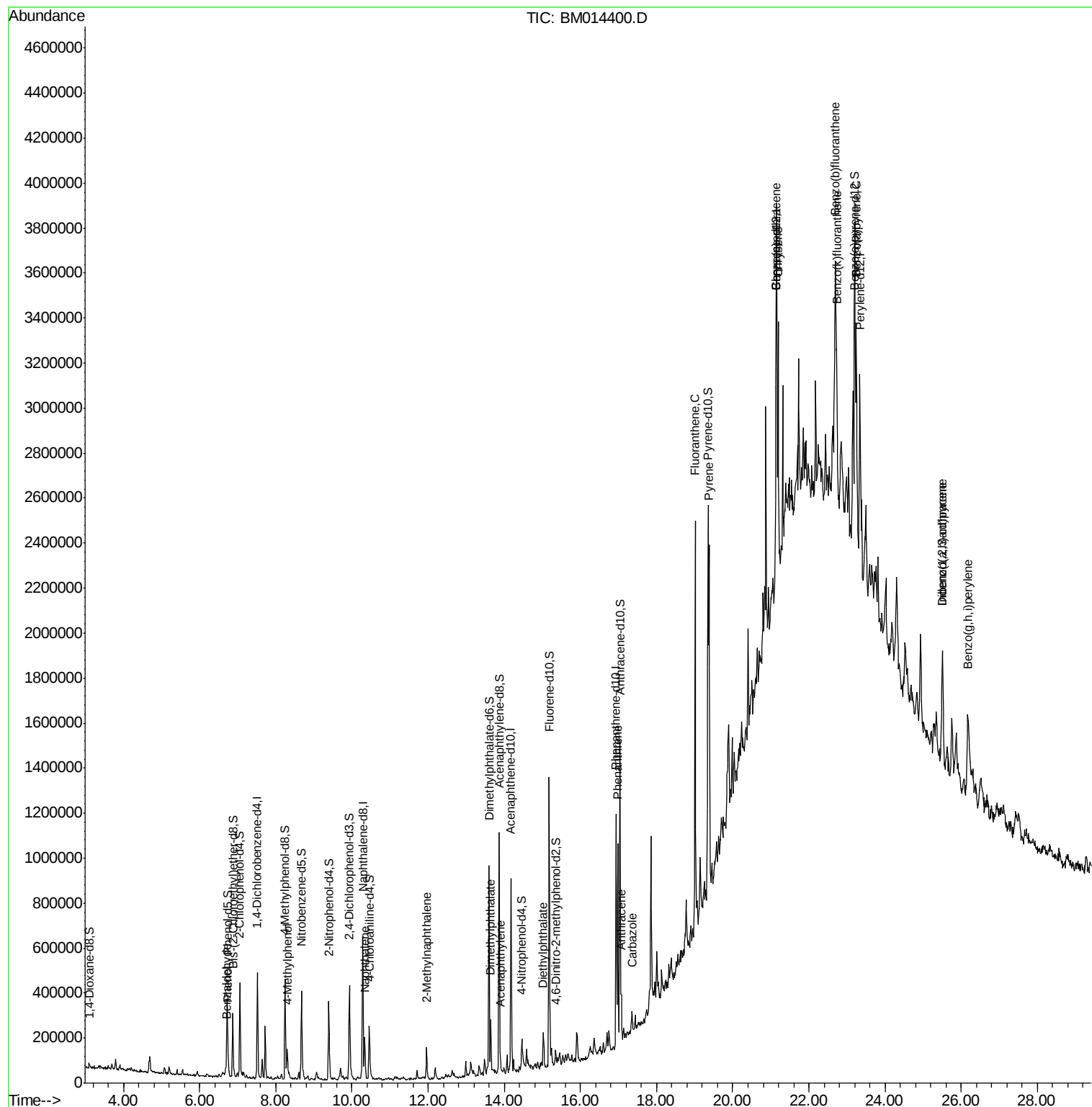
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014400.D
Acq On : 28 Feb 2018 12:48
Operator : SJ/JU
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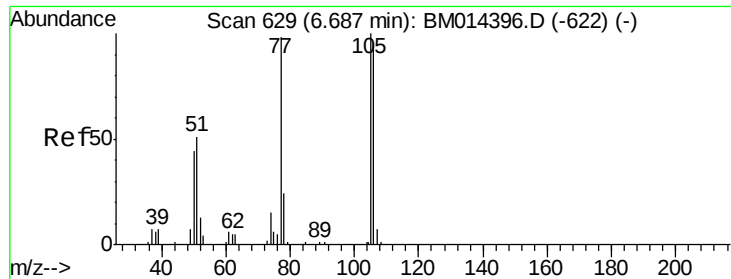
Instrument :
BNA_M
ClientSampled :
BE5Y1

Quant Time: Mar 08 16:58:20 2018
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#4

Benzaldehyde

Concen: 3.993 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

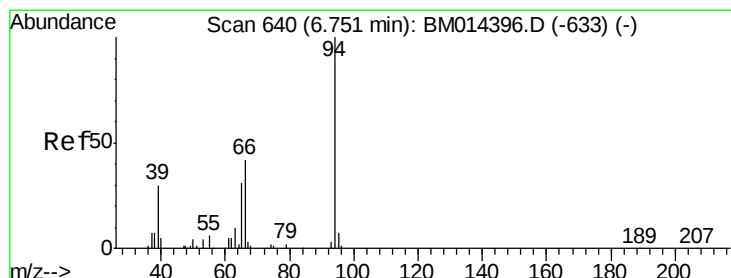
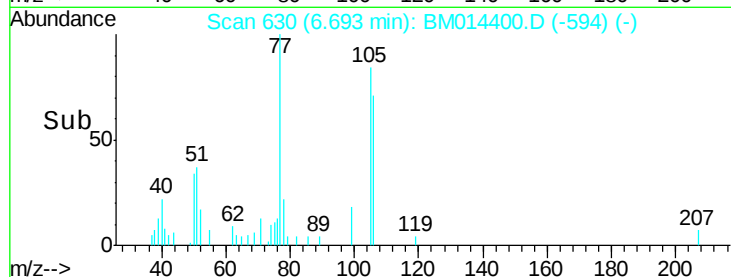
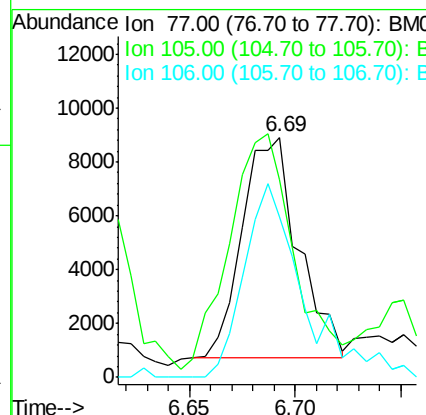
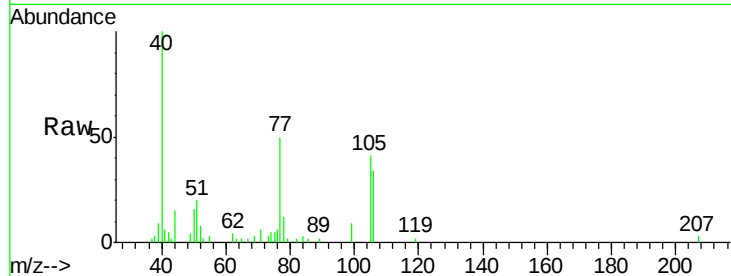
ClientSampled :

BE5Y1

Tot Ion	Ratio	Lower	Upper
77	100		
105	82.2	66.1	99.1
106	66.7	67.8	101.6

Manual Integrations
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#6

Phenol

Concen: 3.497 ng/ul

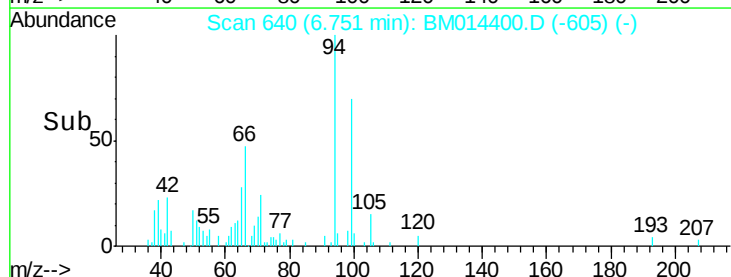
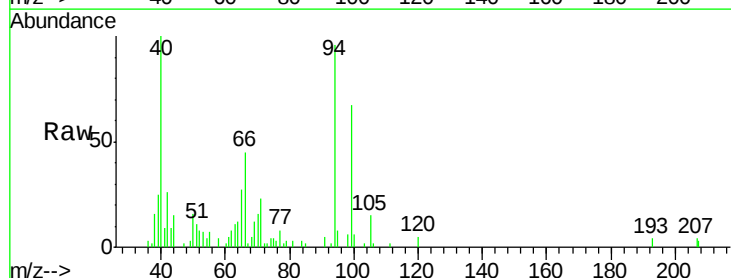
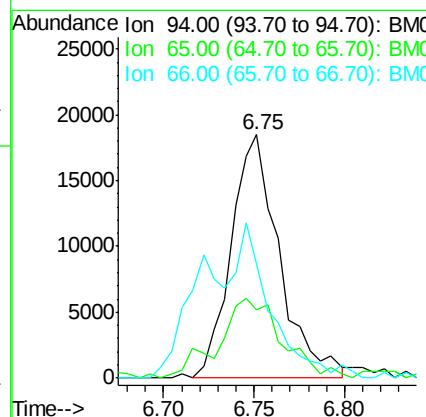
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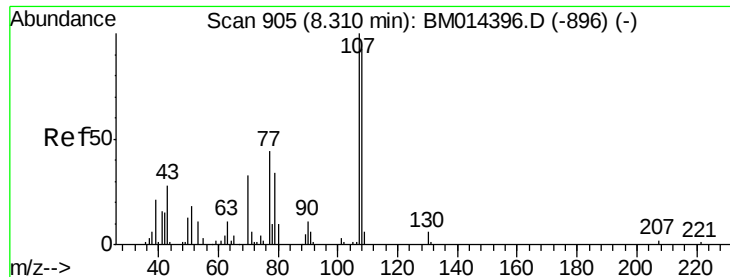
Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.2	28.2	42.4
66	46.9	47.2	70.8





#16

4-Methylphenol

Concen: 5.100 ng/ul

RT: 8.30 min Scan# 903

Delta R.T. -0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampled :

BE5Y1

Tot Ion:108 Resp: 41440

Ion Ratio Lower Upper

108 100

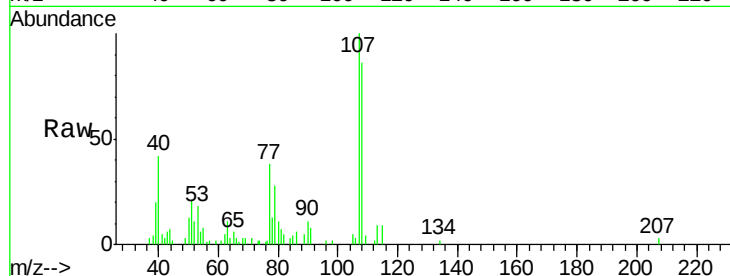
107 116.2 84.9 127.3

Manual Integrations

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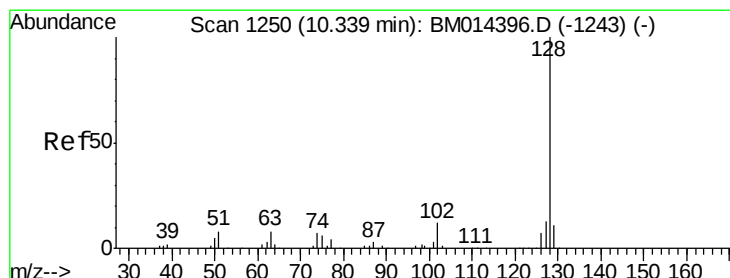
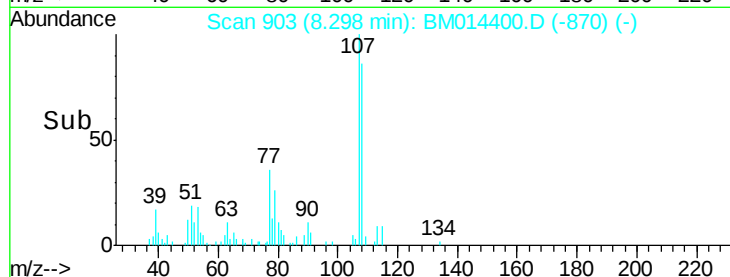


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.30

Time-->



#28

Naphthalene

Concen: 5.348 ng/ul

RT: 10.34 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

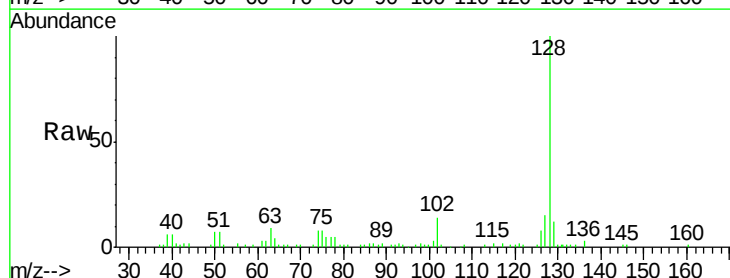
Tgt Ion:128 Resp: 125777

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

127 15.1 10.6 16.0



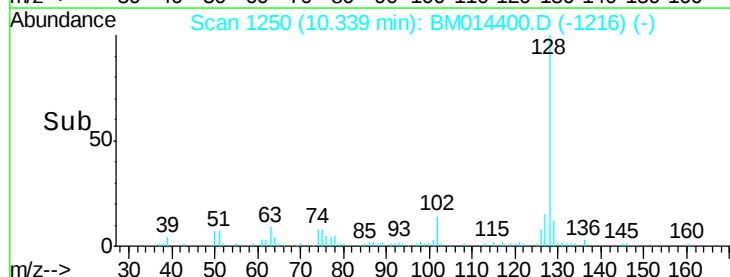
Abundance Ion 128.00 (127.70 to 128.70): E

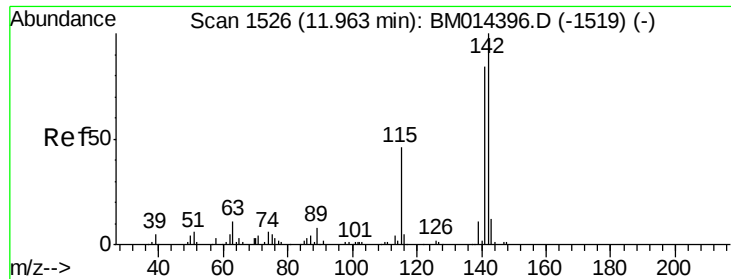
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.34

Time-->





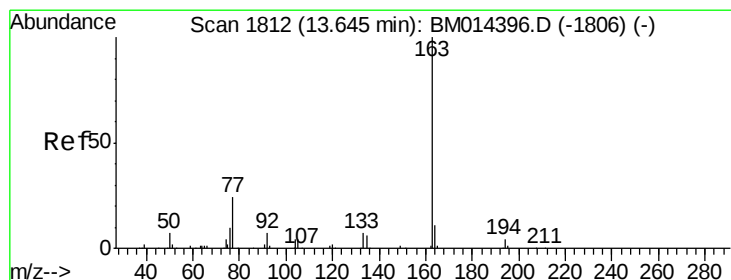
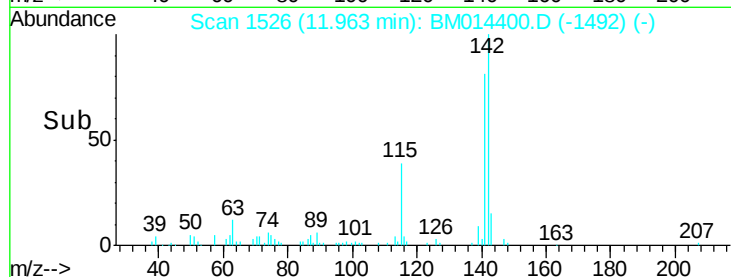
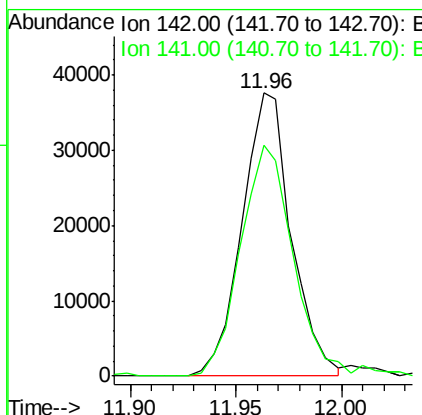
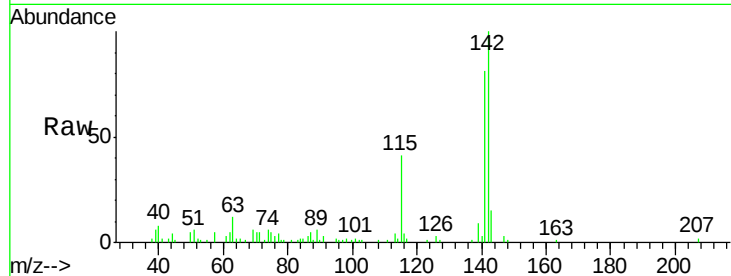
#34
2-Methylnaphthalene
Concen: 3.401 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Instrument :
BNA_M
ClientSampleId :
BE5Y1

Tot Ion:142 Resp: 60892
Ion Ratio Lower Upper
142 100
141 81.5 74.1 111.1

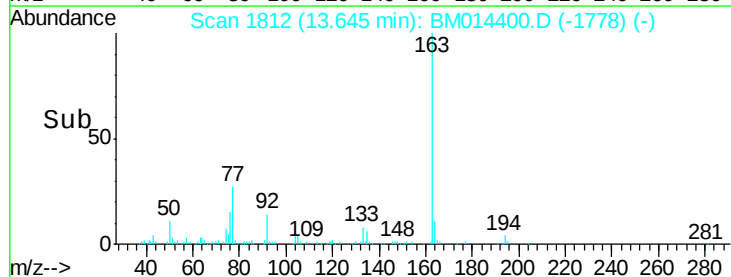
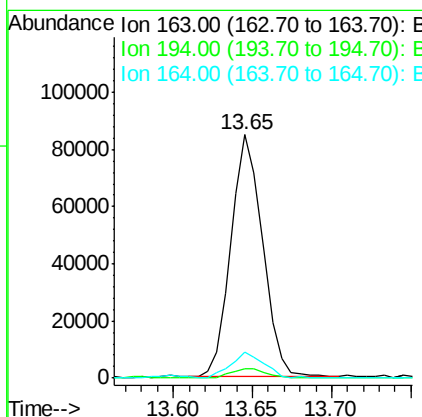
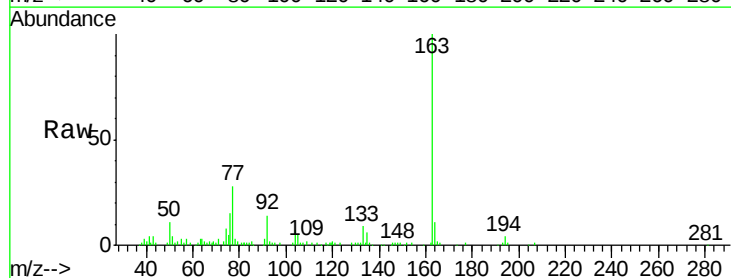
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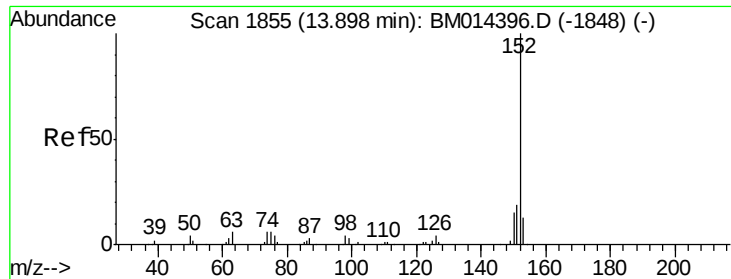
Sohil
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#44
Dimethylphthalate
Concen: 5.569 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Tgt Ion:163 Resp: 118379
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.6 8.2 12.4





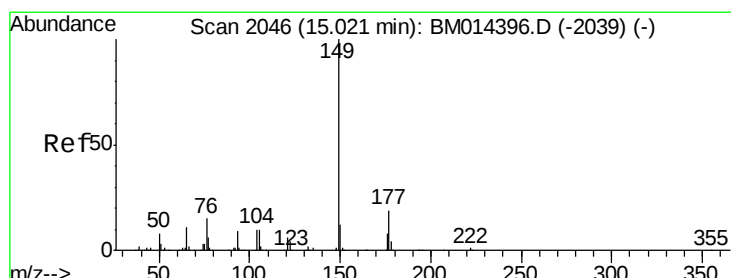
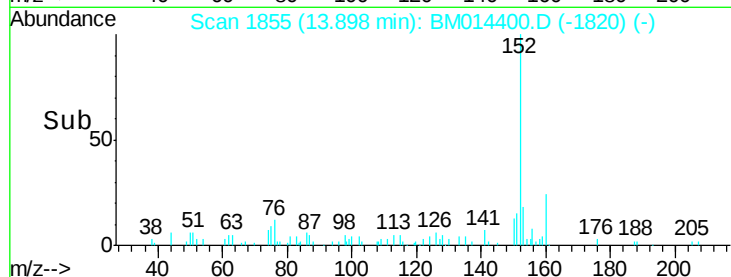
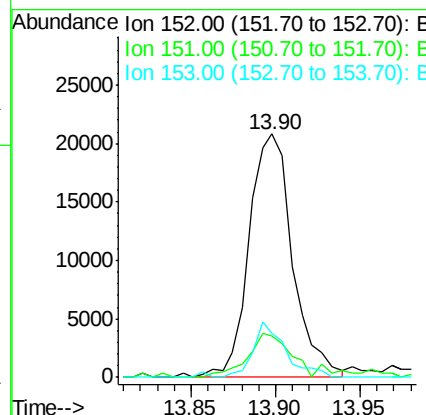
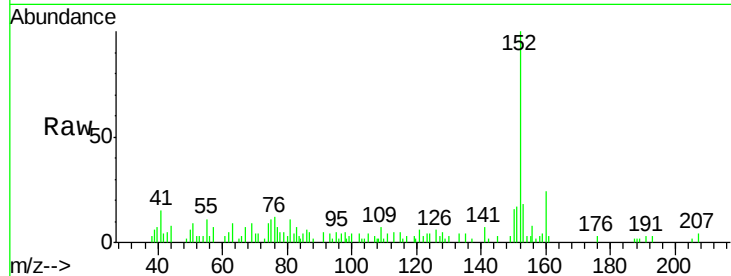
#47
Acenaphthylene
Concen: 1.481 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Instrument :
BNA_M
ClientSampled :
BE5Y1

Tot Ion	Ratio	Lower	Upper
152	100		
151	16.9	16.3	24.5
153	17.8	10.2	15.4

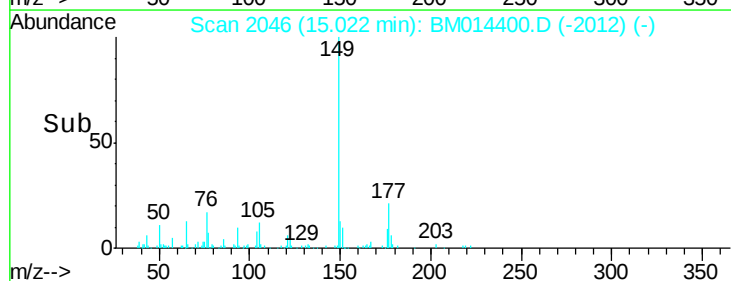
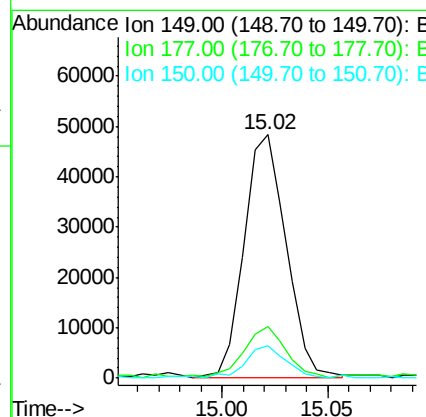
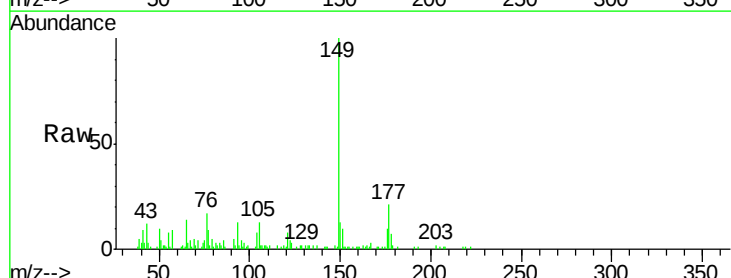
Manual Integrations
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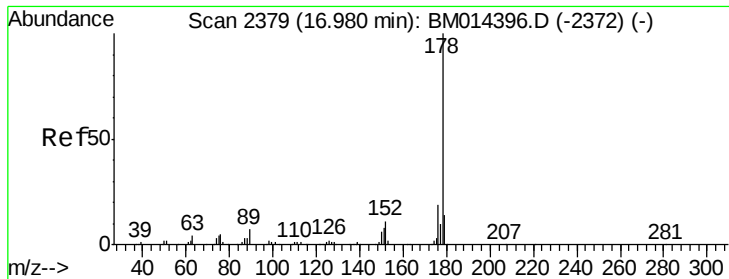
Sohil
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#56
Diethylphthalate
Concen: 2.830 ng/ul
RT: 15.02 min Scan# 2046
Delta R.T. 0.00 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	20.5	30.7
150	13.1	10.6	15.8





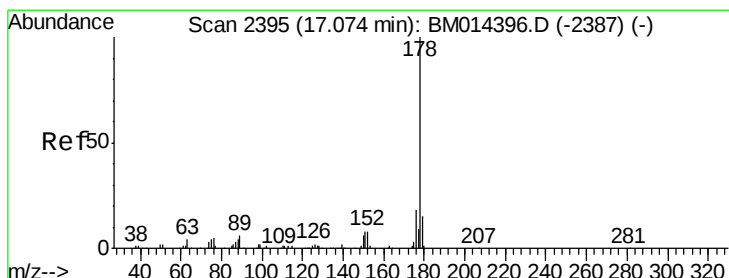
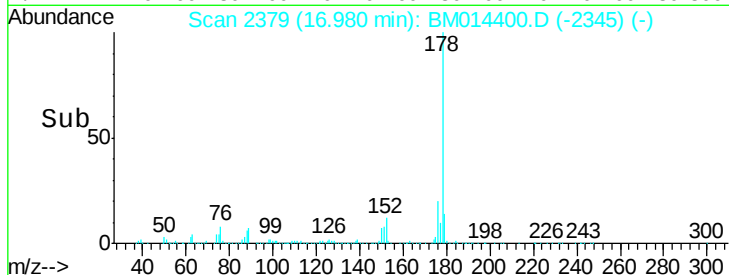
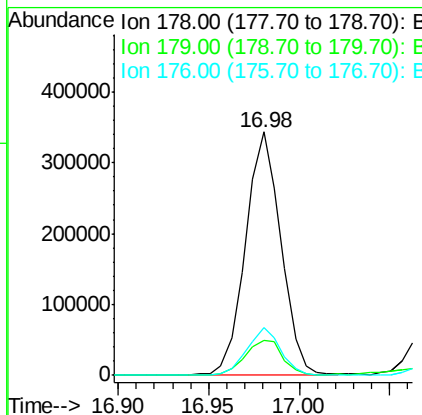
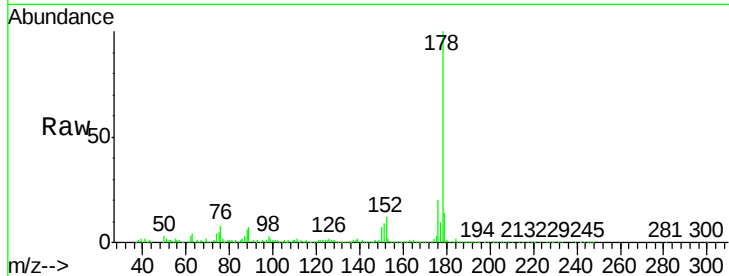
#69
Phenanthrene
Concen: 15.083 ng/ul
RT: 16.98 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Instrument :
BNA_M
ClientSampleId :
BE5Y1

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.4	12.6	19.0
176	19.8	14.9	22.3

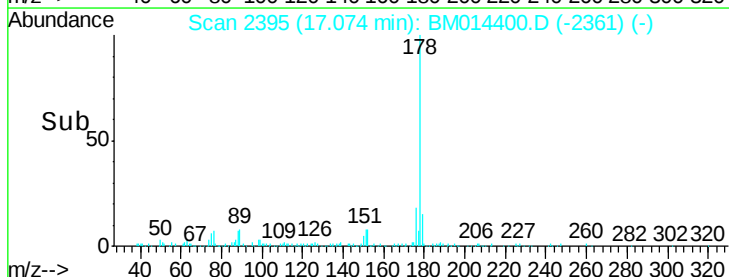
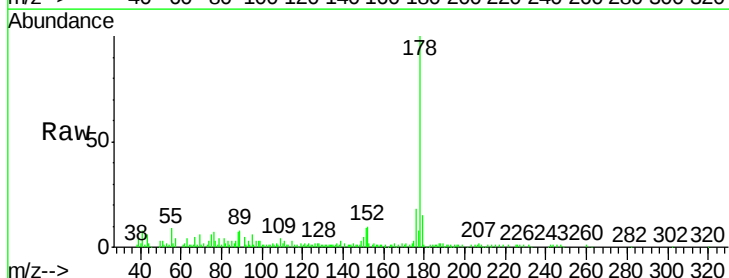
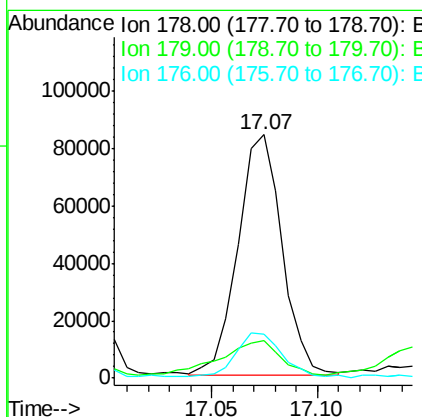
Manual Integrations
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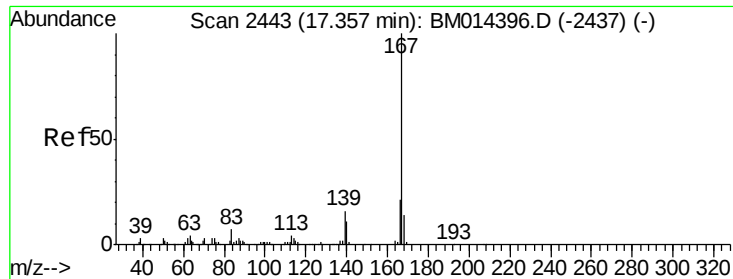
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#71
Anthracene
Concen: 3.943 ng/ul
RT: 17.07 min Scan# 2395
Delta R.T. 0.00 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	17.9	14.6	21.8





#72

Carbazole

Concen: 1.605 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

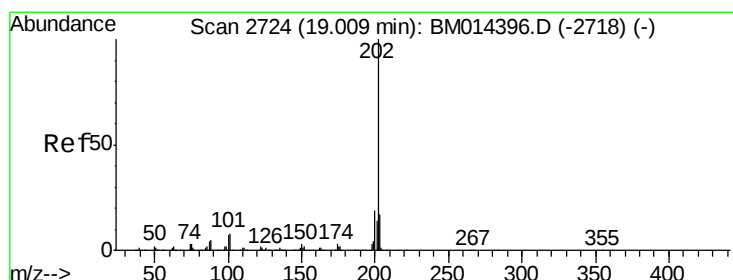
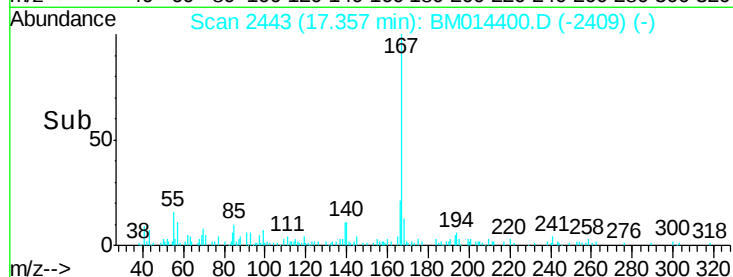
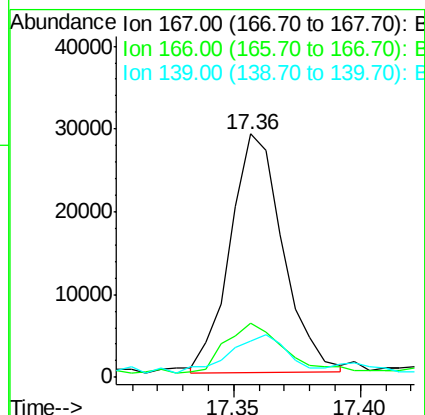
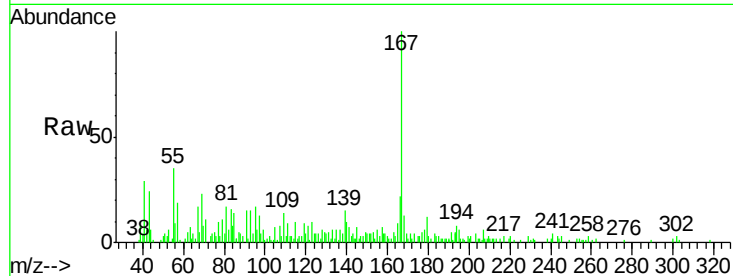
ClientSampled :

BE5Y1

Tot Ion:	167	Resp:	41662
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.1	25.7
139	14.7	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 25.067 ng/ul

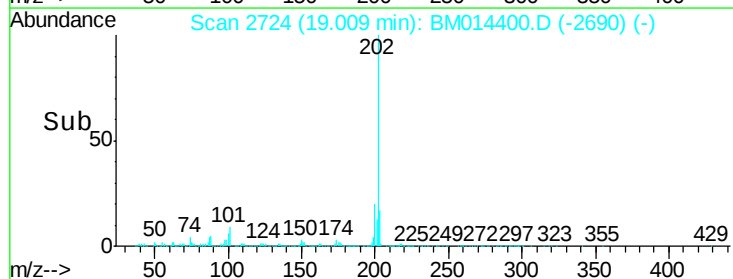
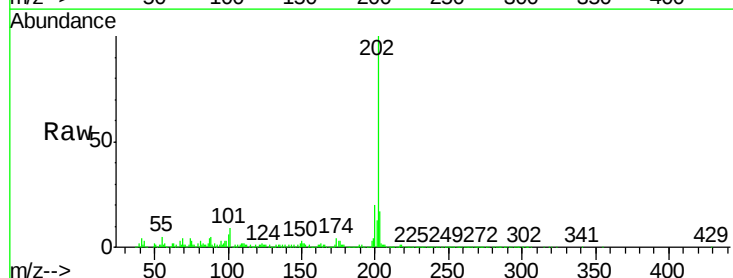
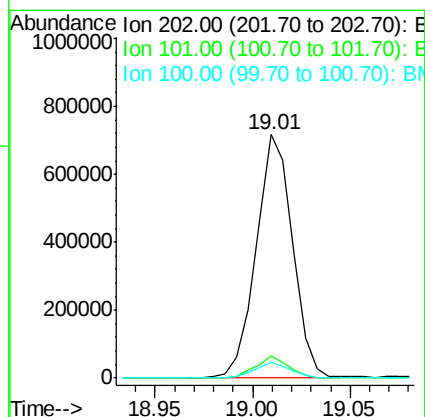
RT: 19.01 min Scan# 2724

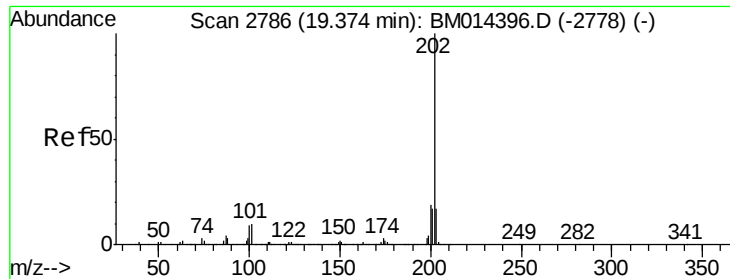
Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Tgt Ion:	202	Resp:	919443
Ion Ratio	Lower	Upper	
202	100		
101	9.1	4.6	7.0#
100	6.2	3.4	5.2#





#77

Pvrene

Concen: 25.145 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

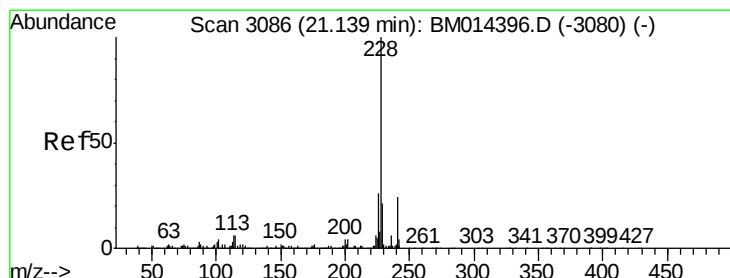
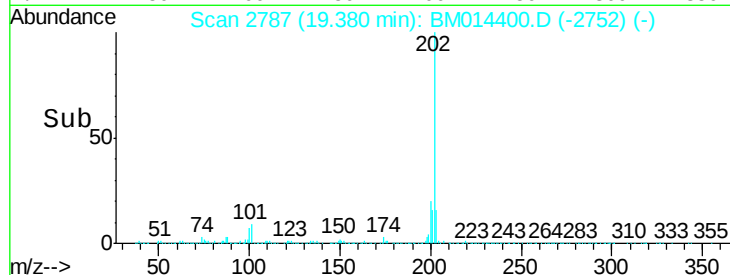
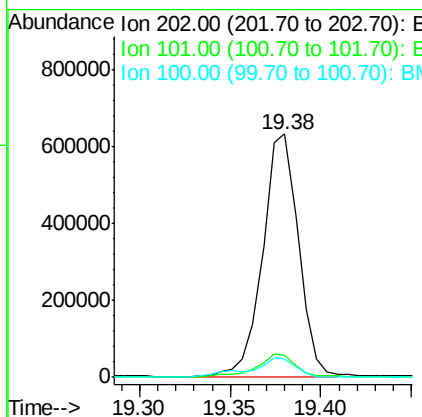
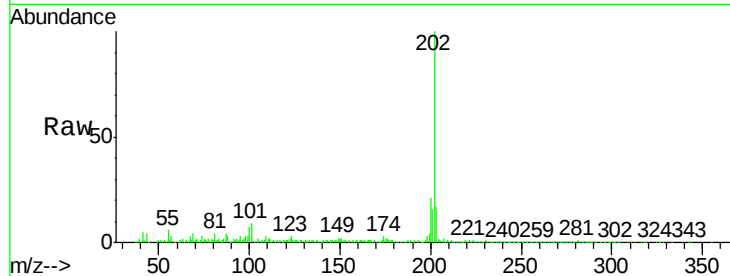
ClientSampled :

BE5Y1

Tot Ion:	202	Resp:	868777
Ion Ratio	Lower	Upper	
202	100		
101	8.9	5.1	7.7#
100	7.4	4.9	7.3#

Manual Integrations
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Sohil
3/1/2018 5:14:30 PM



#80

Benzo(a)anthracene

Concen: 16.996 ng/ul

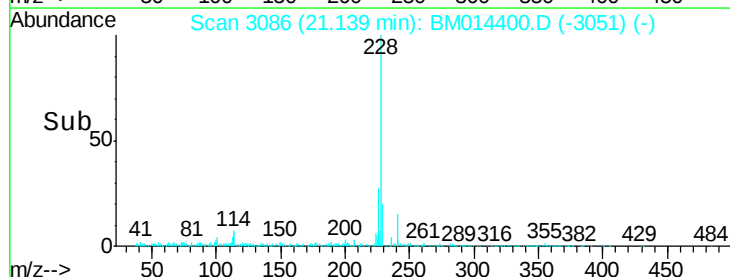
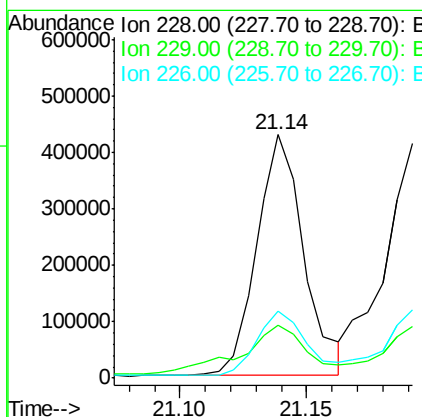
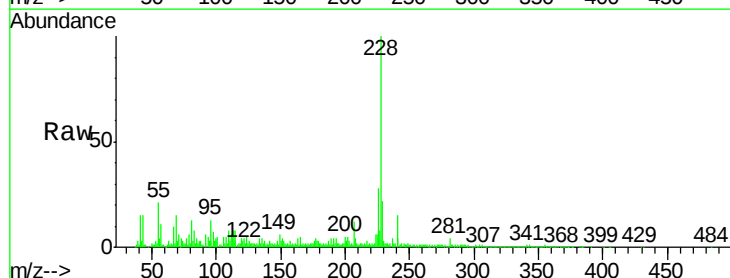
RT: 21.14 min Scan# 3086

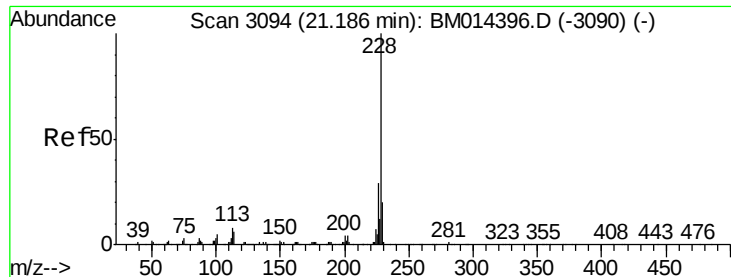
Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Tgt Ion:	228	Resp:	551457
Ion Ratio	Lower	Upper	
228	100		
229	21.7	15.4	23.0
226	27.6	21.4	32.0





#82

Chrysene

Concen: 18.806 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

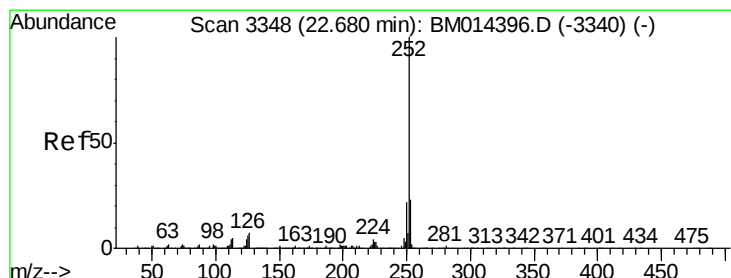
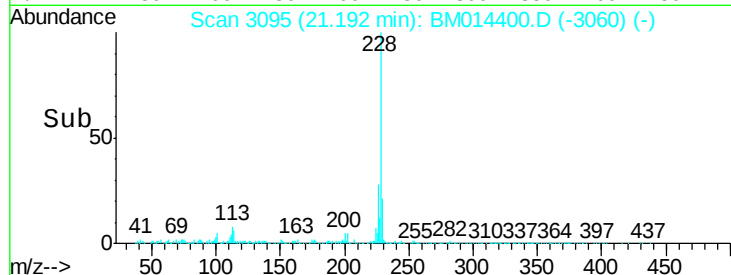
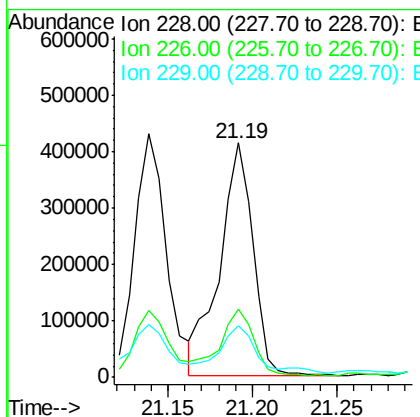
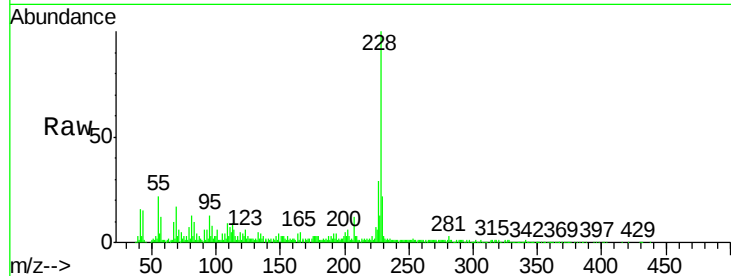
ClientSampled :

BE5Y1

Tot Ion:	228	Resp:	569210
Ion Ratio		Lower	Upper
228	100		
226	28.9	23.4	35.2
229	21.9	15.5	23.3

Manual Integrations
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Sohil
3/1/2018 5:14:30 PM



#85

Benzo(b)fluoranthene

Concen: 22.585 ng/ul

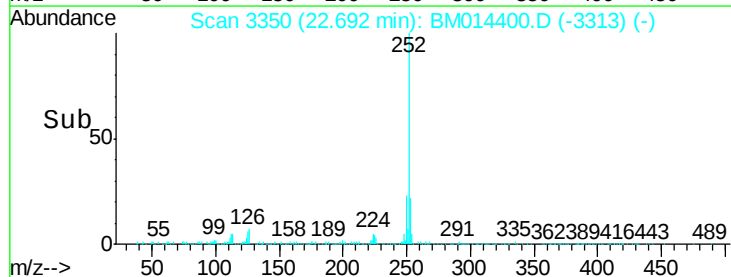
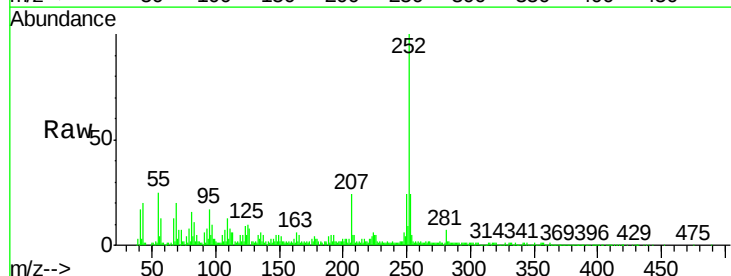
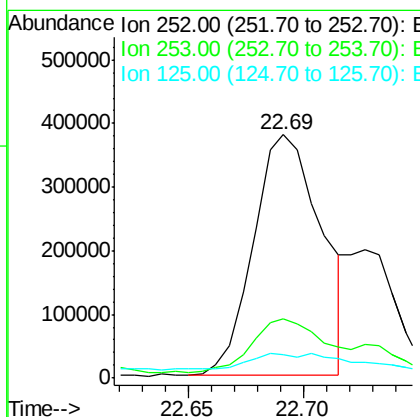
RT: 22.69 min Scan# 3350

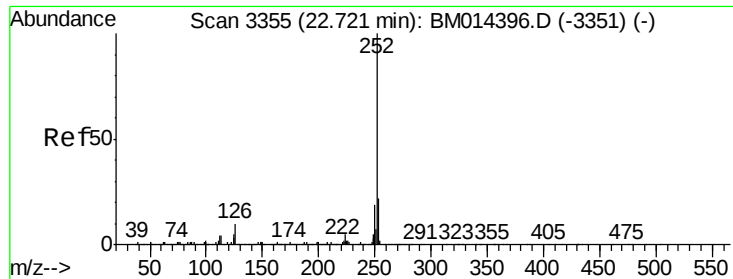
Delta R.T. 0.02 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Tgt Ion:	252	Resp:	769033
Ion Ratio		Lower	Upper
252	100		
253	24.4	17.9	26.9
125	9.7	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 8.908 ng/ul m

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

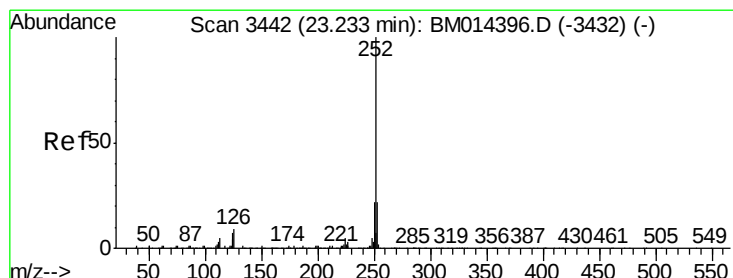
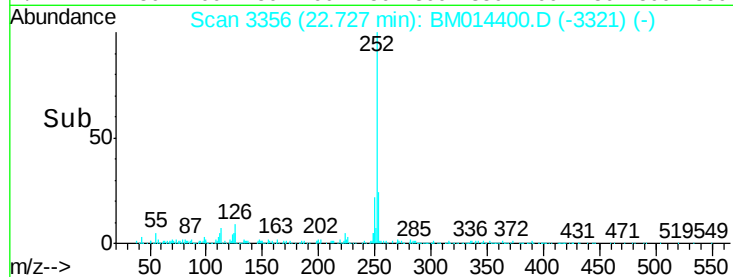
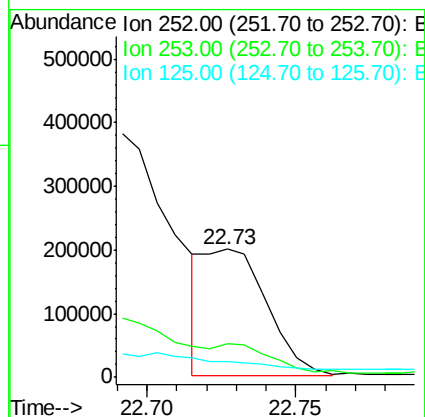
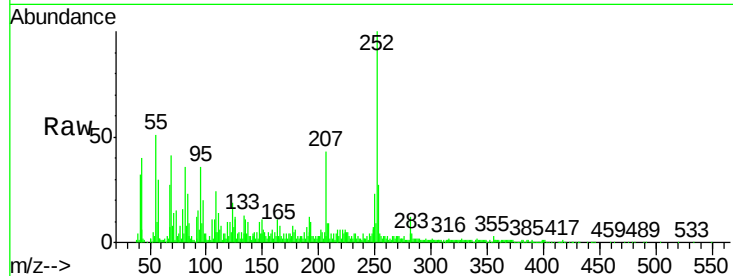
ClientSampled :

BE5Y1

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.1	25.7#
125	11.8	3.4	5.2#

Manual Integrations
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3/1/2018 5:14:30 PM



#88

Benzo(a)pyrene

Concen: 19.435 ng/ul

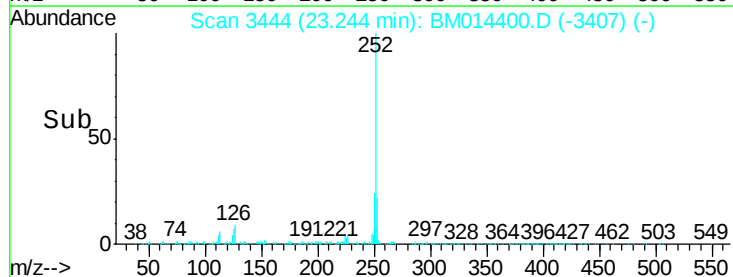
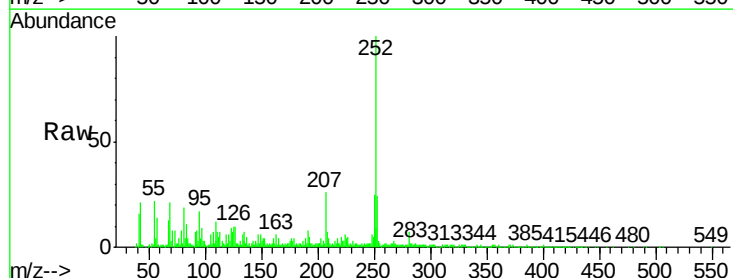
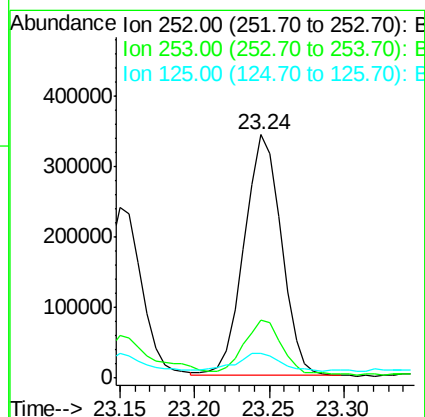
RT: 23.24 min Scan# 3444

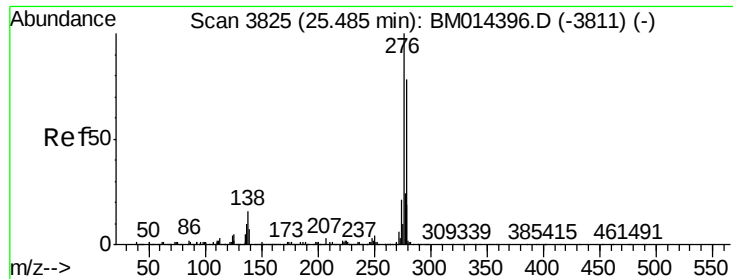
Delta R.T. 0.02 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	10.3	4.0	6.0#





#89

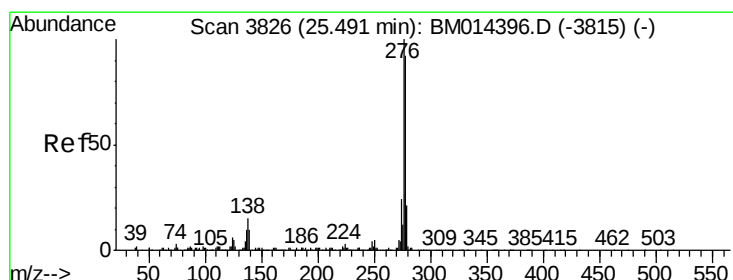
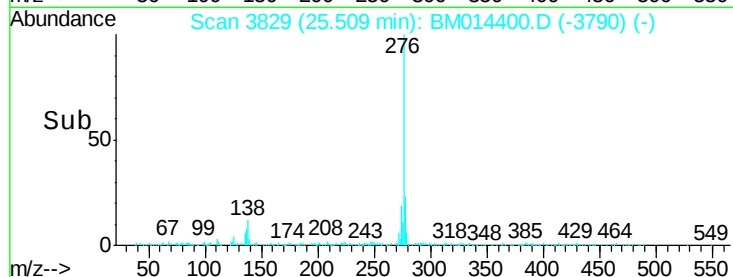
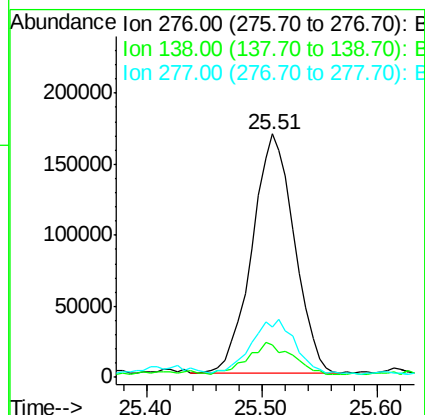
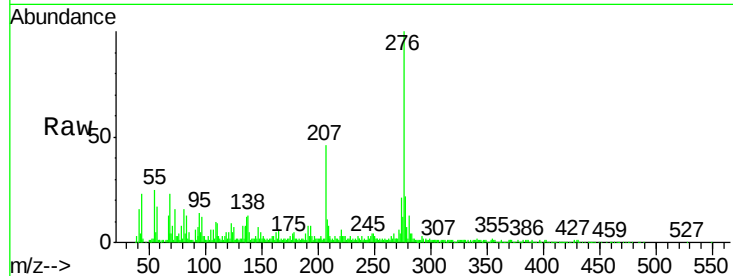
Indeno(1,2,3-cd)pyrene
Concen: 14.466 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.03 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Instrument :
BNA_M
ClientSampleId :
BE5Y1

Tot Ion	Ratio	Resp	Lower	Upper
276	100	427115		
138	13.2	9.3	13.9	
277	20.6	19.9	29.9	

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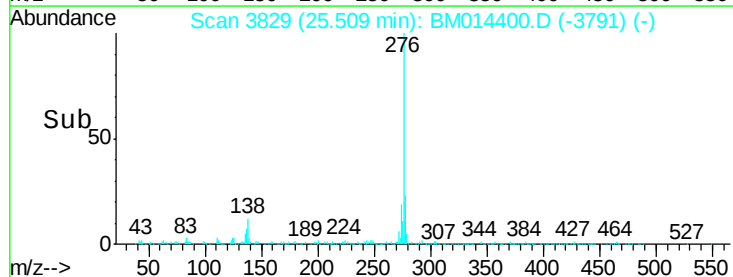
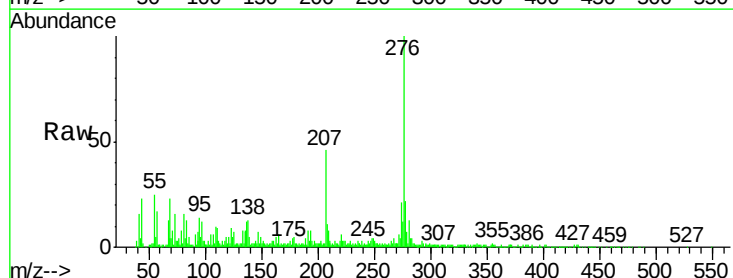
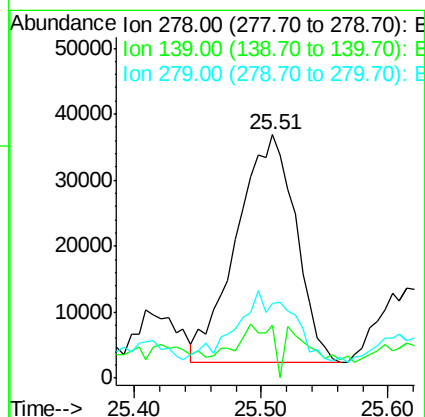
Sohil
3/1/2018 5:14:30 PM

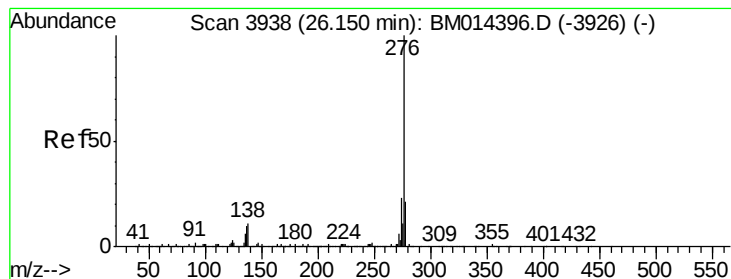


#90

Dibenzo(a,h)anthracene
Concen: 4.570 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.02 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	112116		
139	21.6	5.8	8.8#	
279	30.4	18.6	27.8#	





#91

Benzo(a,h,i)perylene

Concen: 14.756 ng/ul

RT: 26.17 min Scan# 3942

Delta R.T. 0.03 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampleId :

BE5Y1

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	8.5	12.7#
277	26.7	18.6	28.0

Manual Integrations
APPROVED

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3/1/2018 5:14:30 PM

