

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014405.D
 Acq On : 28 Feb 2018 15:49
 Operator : SJ/JU
 Sample : J1646-07DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BE5X1DL

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:14:45 PM

Quant Time: Feb 28 17:52:24 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	97936m	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	402665	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	235644	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	494570	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	446995	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	434428	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2447m	1.07	ng/uL	0.00
5) Phenol-d5	6.73	99	27915	3.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	21853m	4.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	28198m	4.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	19214	2.65	ng/ul	0.03
19) Nitrobenzene-d5	8.69	128	12405m	4.17	ng/ul	0.01
22) 2-Nitrophenol-d4	9.41	143	11824	3.84	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.96	165	24175m	3.79	ng/ul	0.04
29) 4-Chloroaniline-d4	10.49	131	15028m	2.39	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	86146	4.43	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	104621	4.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	3266m	1.22	ng/ul	0.08
57) Fluorene-d10	15.18	176	70987	4.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	869	0.29	ng/ul	0.04
70) Anthracene-d10	17.04	188	109172	4.58	ng/ul	0.00
76) Pyrene-d10	19.34	212	121073	5.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	97200	4.60	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.65	163	27934	1.456	ng/ul#	95
69) Phenanthrene	16.98	178	348177	12.219	ng/ul	98
71) Anthracene	17.07	178	69965m	2.441	ng/ul	
74) Fluoranthene	19.01	202	529590	15.556	ng/ul#	93
77) Pyrene	19.38	202	556552	18.735	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	257318	9.224	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	487293	27.701	ng/ul#	94
82) Chrysene	21.19	228	250971	9.644	ng/ul	95
85) Benzo(b)fluoranthene	22.69	252	271407	9.330	ng/ul#	98
86) Benzo(k)fluoranthene	22.72	252	101575	3.673	ng/ul#	94
88) Benzo(a)pyrene	23.23	252	208404	8.018	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.50	276	136279	5.403	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.49	278	30604	1.460	ng/ul#	86
91) Benzo(g,h,i)perylene	26.16	276	110735	5.419	ng/ul	94

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

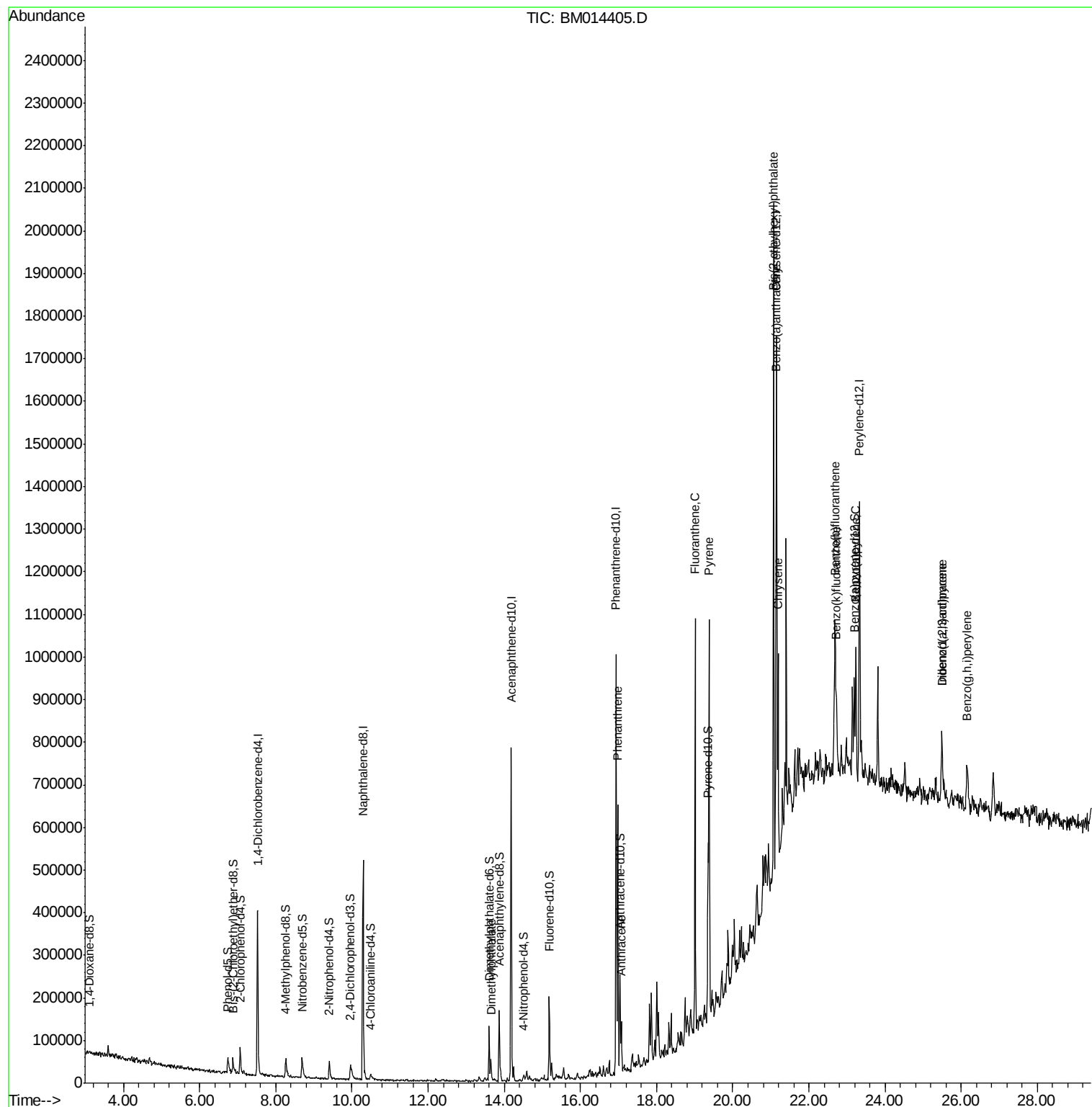
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

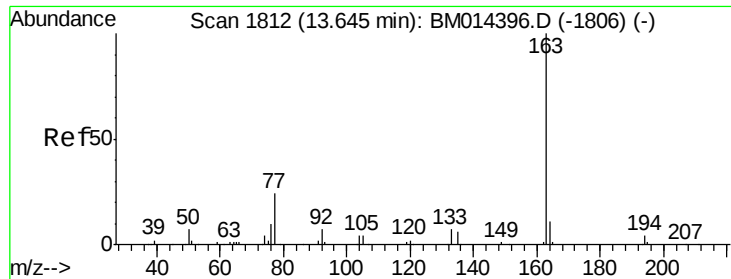
Instrument :
BNA_M
ClientSampled :
BE5X1DL

Manual Integrations
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3/1/2018 5:14:45 PM

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





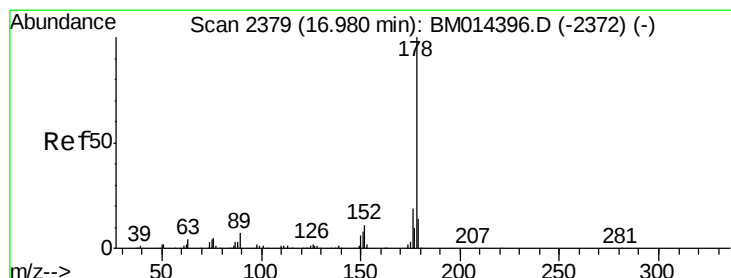
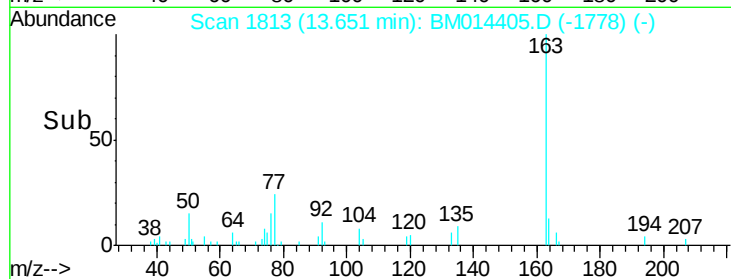
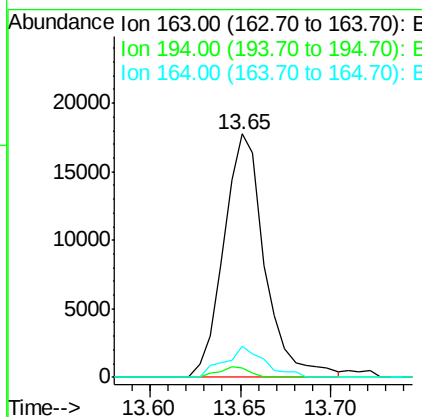
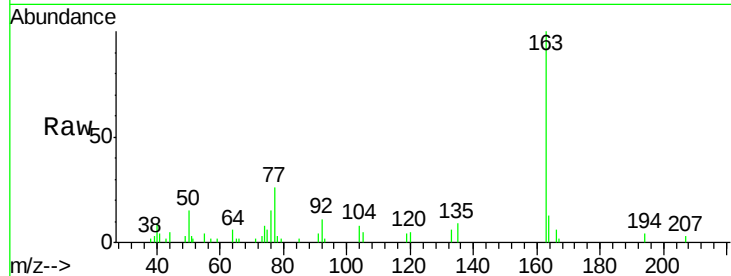
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Dimethylphthalate
Concen: 1.456 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014405.D
Acq: 28 Feb 2018 15:49

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.5	5.3
164	12.7	8.2	12.4

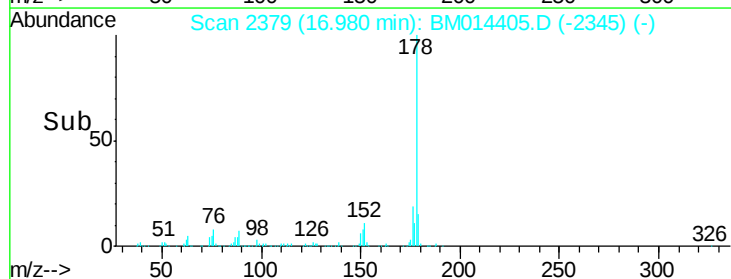
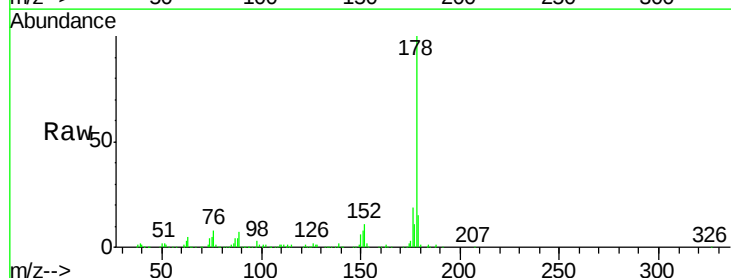
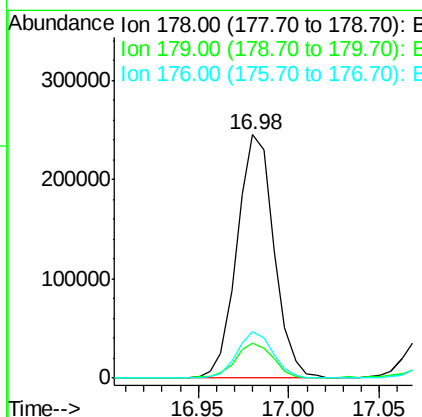
Manual Integrations
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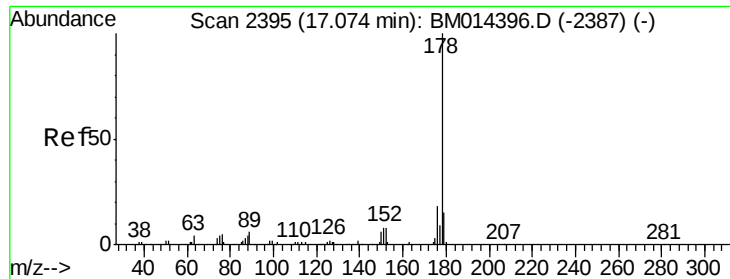
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#69
Phenanthrene
Concen: 12.219 ng/ul
RT: 16.98 min Scan# 2379
Delta R.T. -0.00 min
Lab File: BM014405.D
Acq: 28 Feb 2018 15:49

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.6	19.0
176	19.2	14.9	22.3





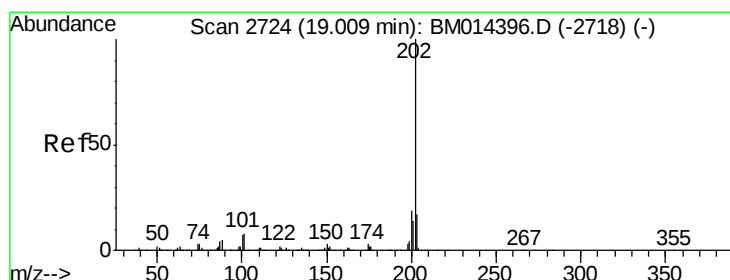
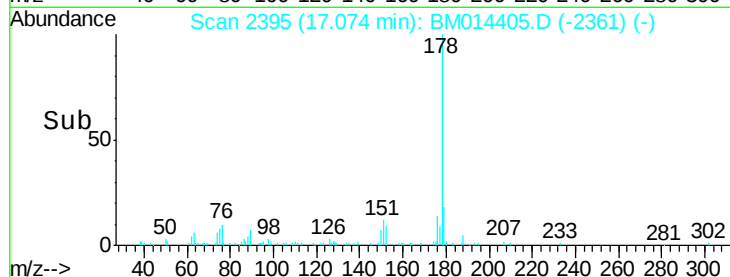
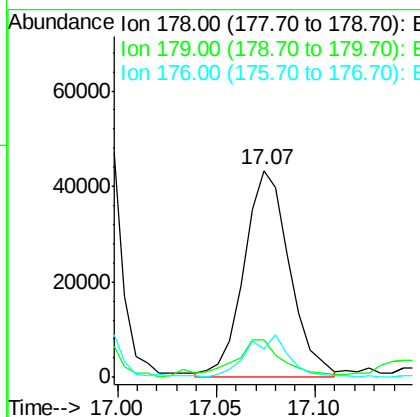
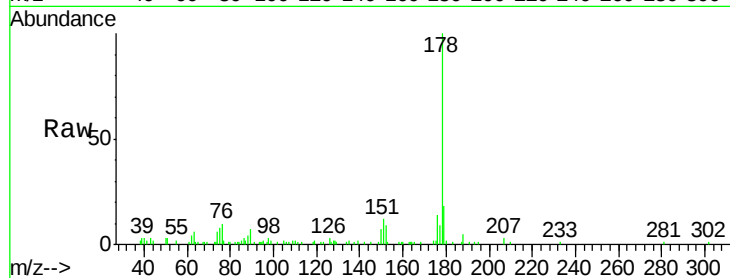
#71
 Anthracene
 Concen: 2.441 ng/ul m
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM014405.D
 Acq: 28 Feb 2018 15:49

Instrument :
 BNA_M
 ClientSampleId :
 BE5X1DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	18.0	11.7	17.5#
176	13.6	14.6	21.8#

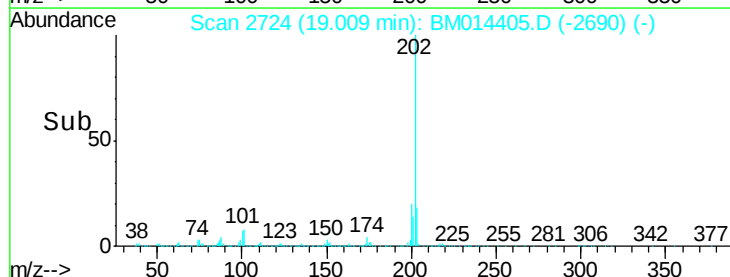
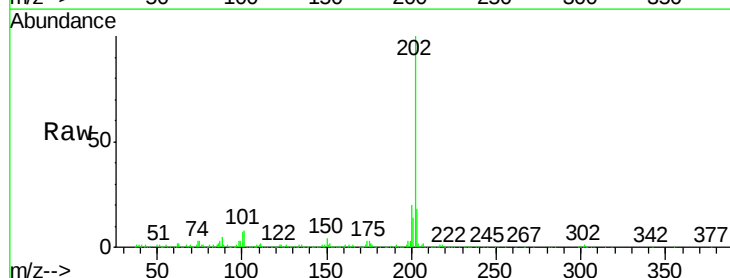
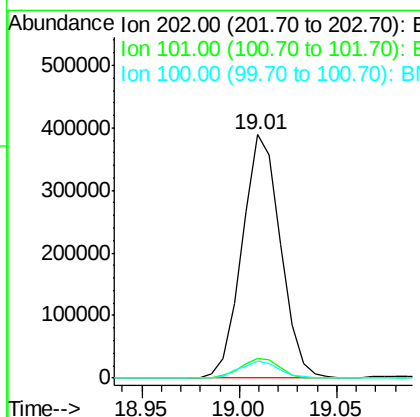
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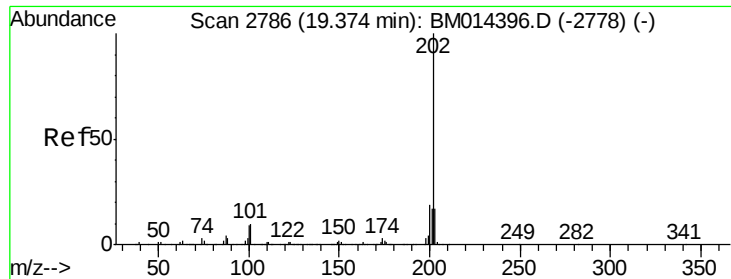
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#74
 Fluoranthene
 Concen: 15.556 ng/ul
 RT: 19.01 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: BM014405.D
 Acq: 28 Feb 2018 15:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	4.6	7.0#
100	6.8	3.4	5.2#





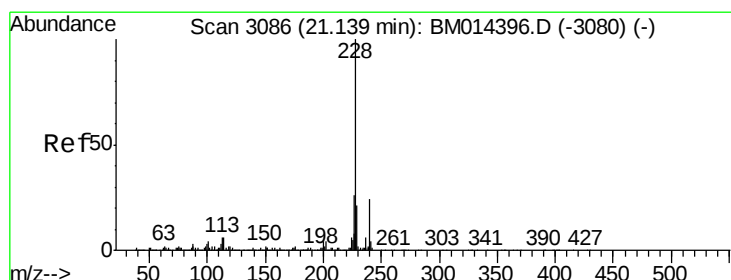
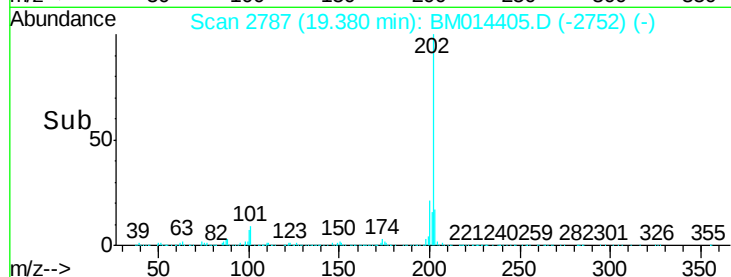
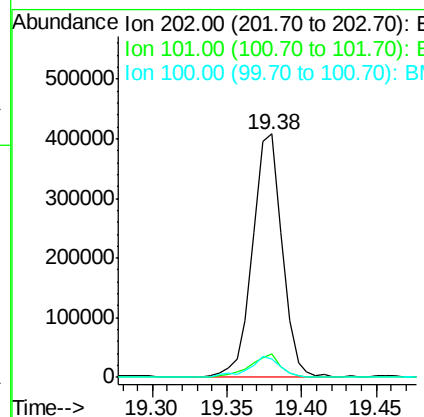
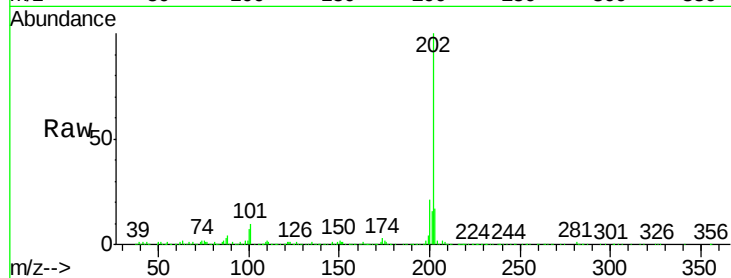
#77
Pvrene
Concen: 18.735 ng/ul
RT: 19.38 min Scan# 2787
Delta R.T. 0.01 min
Lab File: BM014405.D
Acq: 28 Feb 2018 15:49

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.5	5.1	7.7#
100	7.5	4.9	7.3#

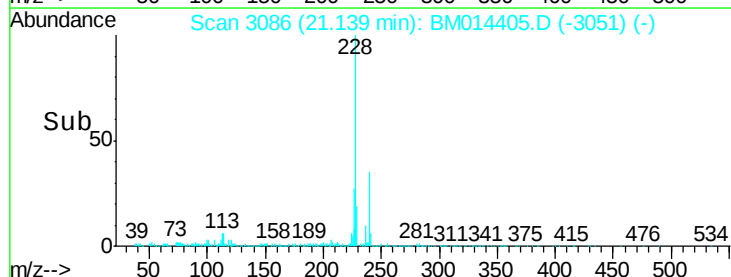
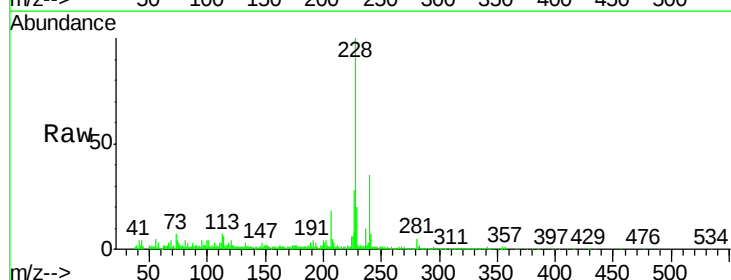
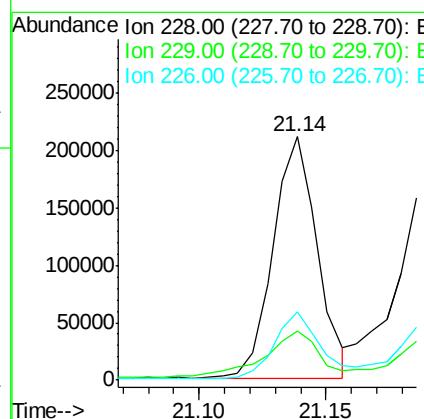
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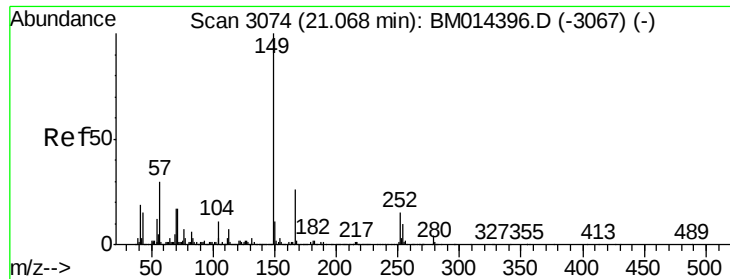
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#80
Benzo(a)anthracene
Concen: 9.224 ng/ul
RT: 21.14 min Scan# 3086
Delta R.T. 0.01 min
Lab File: BM014405.D
Acq: 28 Feb 2018 15:49

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.9	15.4	23.0
226	27.8	21.4	32.0





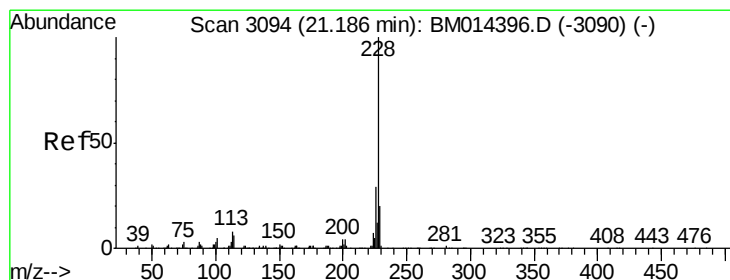
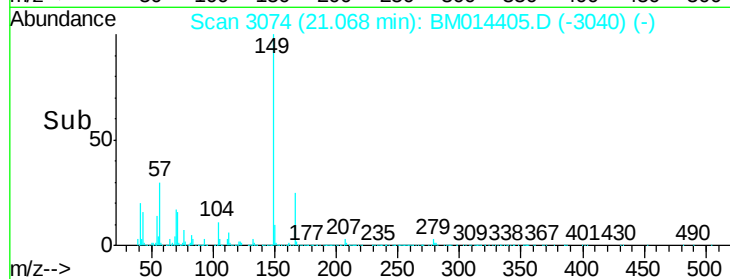
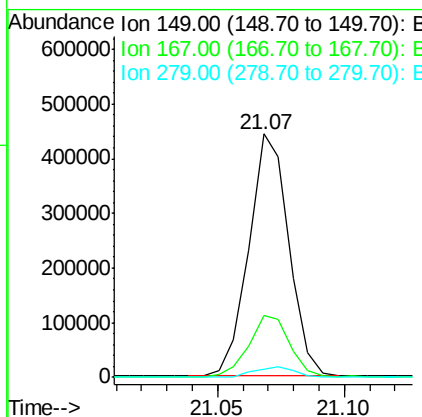
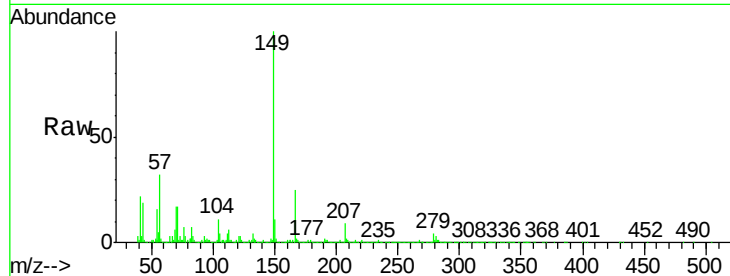
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 27.701 ng/ul
 RT: 21.07 min Scan# 3074
 Delta R.T. -0.00 min
 Lab File: BM014405.D
 Acq: 28 Feb 2018 15:49

Instrument :
 BNA_M
 ClientSampled :
 BE5X1DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.3	22.8	34.2
279	3.6	4.9	7.3

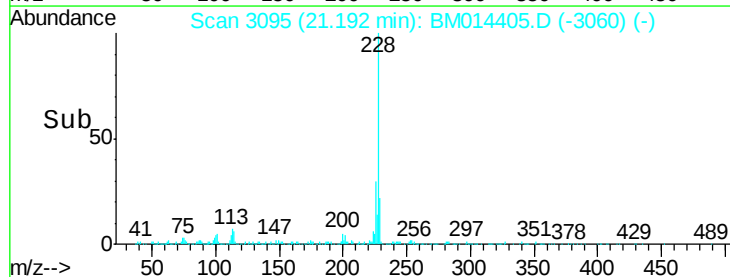
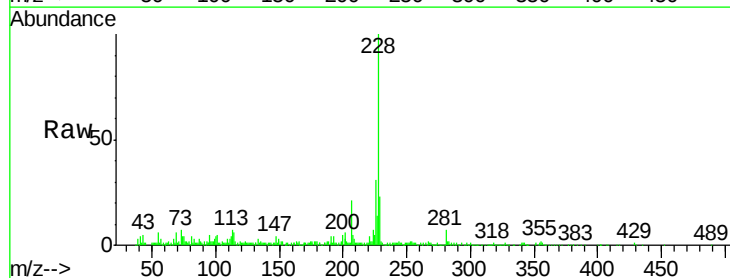
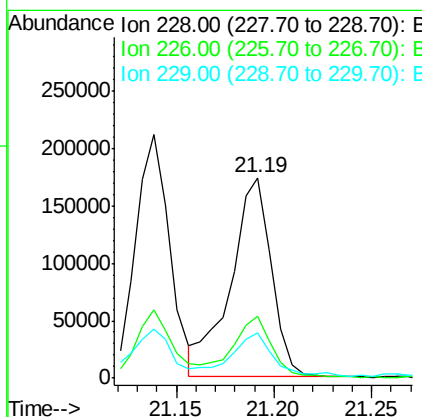
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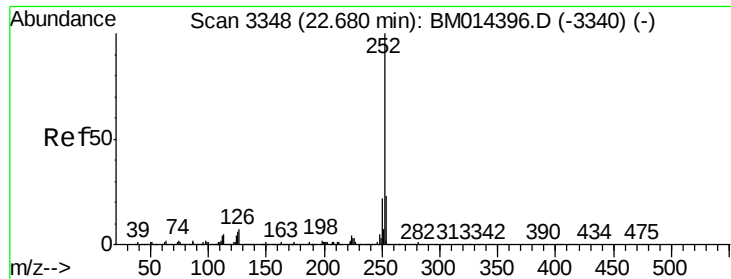
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#82
 Chrysene
 Concen: 9.644 ng/ul
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM014405.D
 Acq: 28 Feb 2018 15:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.2
229	22.8	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 9.330 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014405.D

Acq: 28 Feb 2018 15:49

Instrument :

BNA_M

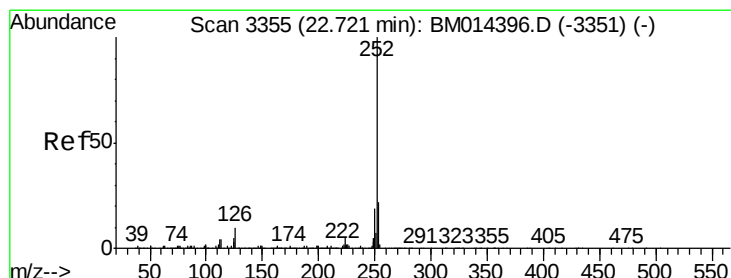
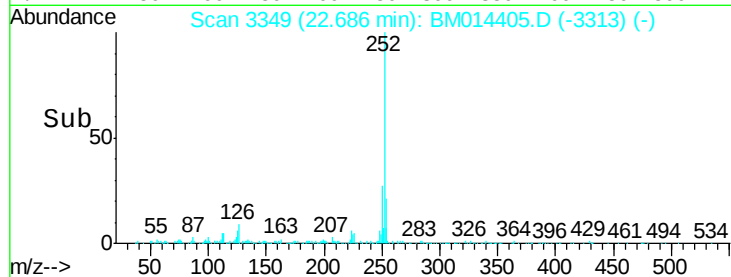
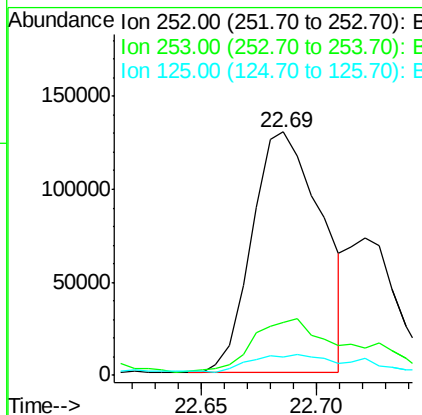
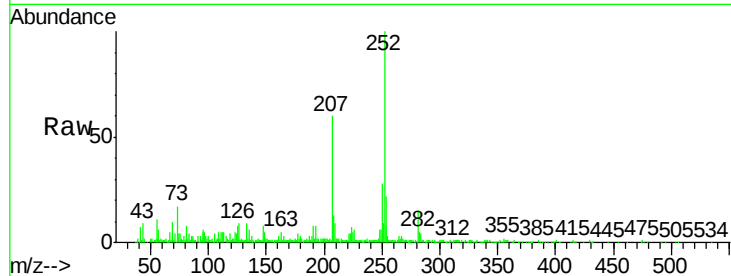
ClientSampleId :

BE5X1DL

Tot Ion:	252	Resp:	271407
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.9	26.9
125	7.6	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 3.673 ng/ul

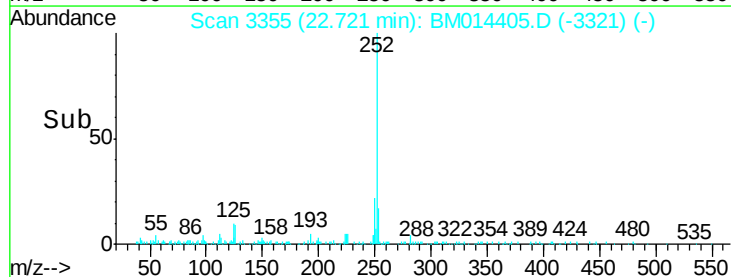
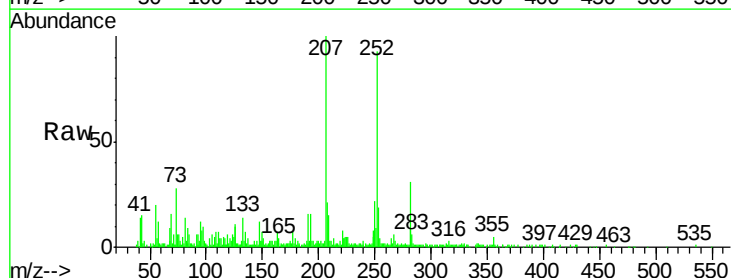
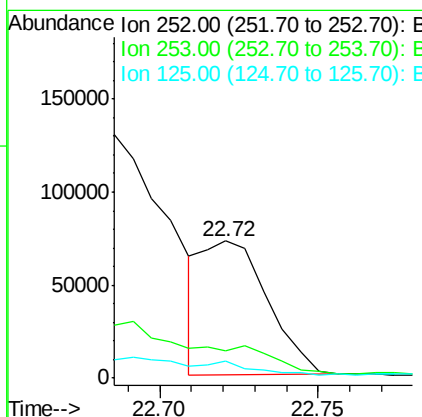
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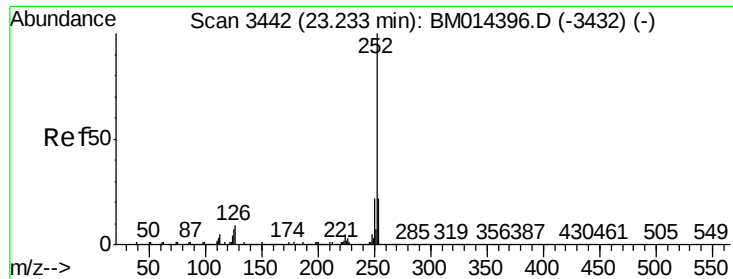
Delta R.T. -0.00 min

Lab File: BM014405.D

Acq: 28 Feb 2018 15:49

Tgt Ion:	252	Resp:	101575
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.1	25.7
125	12.1	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 8.018 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. 0.01 min

Lab File: BM014405.D

Acq: 28 Feb 2018 15:49

Instrument :

BNA_M

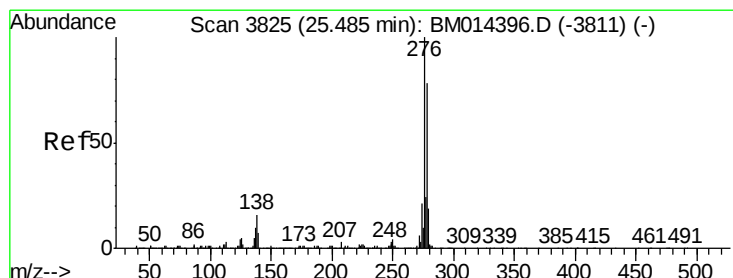
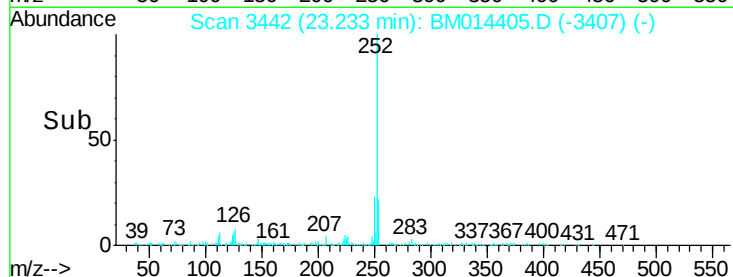
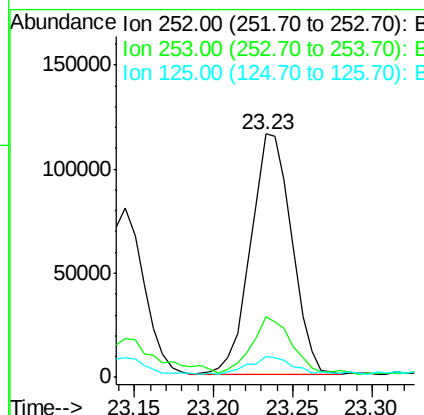
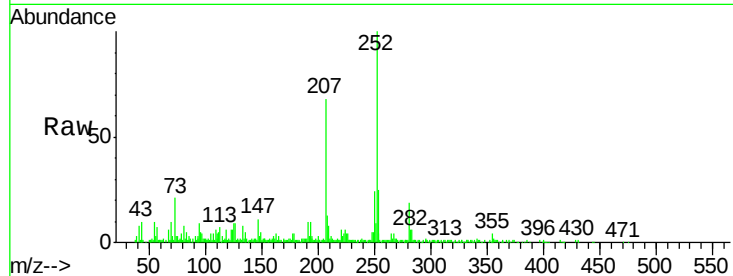
ClientSampleId :

BE5X1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	8.7	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 5.403 ng/ul

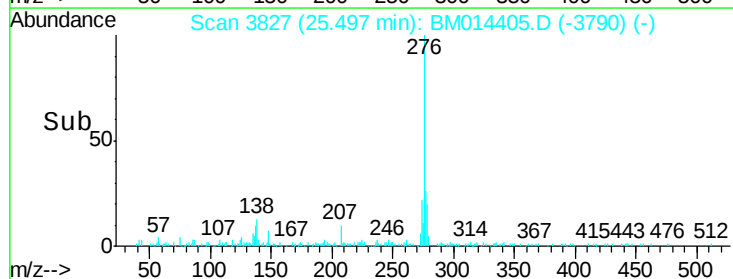
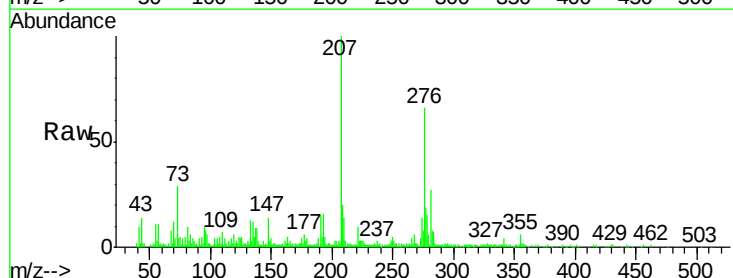
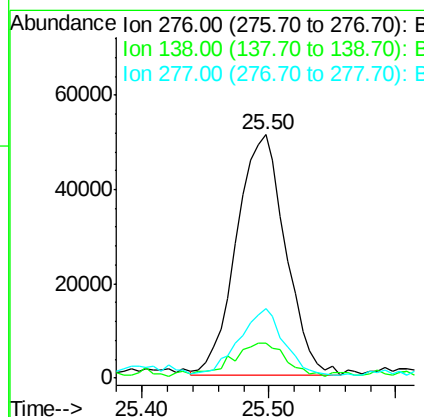
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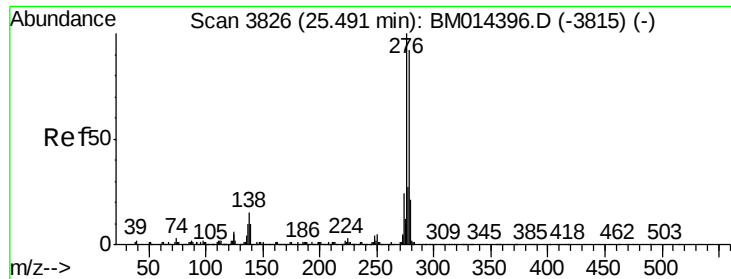
Delta R.T. 0.02 min

Lab File: BM014405.D

Acq: 28 Feb 2018 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	9.3	13.9#
277	28.4	19.9	29.9





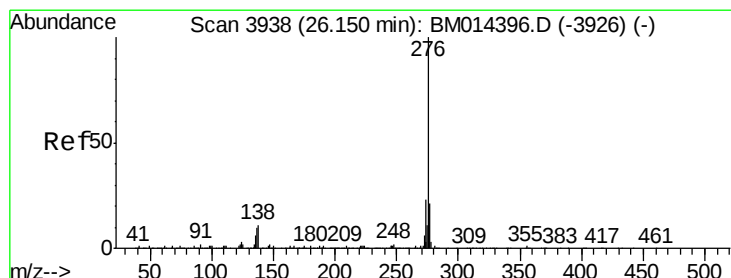
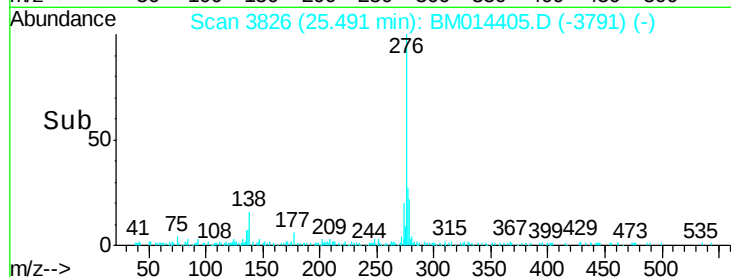
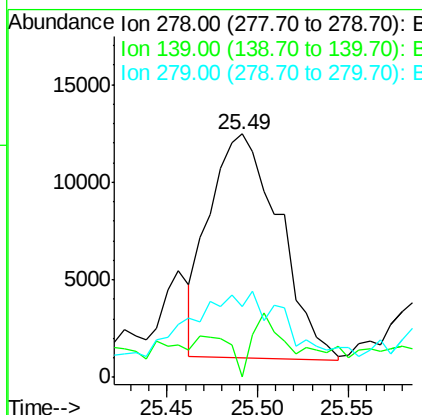
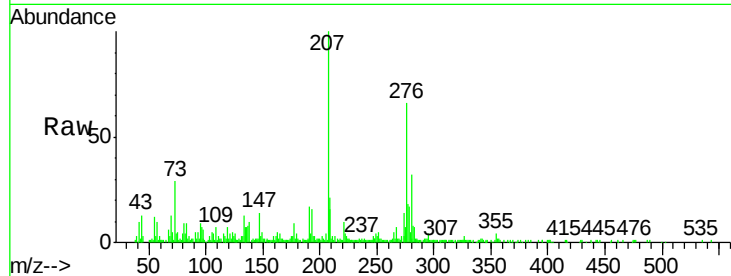
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Dibenzo(a,h)anthracene
Concen: 1.460 ng/ul
RT: 25.49 min Scan# 3826
Delta R.T. 0.01 min
Lab File: BM014405.D
Acq: 28 Feb 2018 15:49

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	29.3	18.6	27.8#

Manual Integrations
APPROVED

Sohil
3/1/2018 5:14:45 PM



#91
Benzo(g,h,i)perylene
Concen: 5.419 ng/ul
RT: 26.16 min Scan# 3939
Delta R.T. 0.01 min
Lab File: BM014405.D
Acq: 28 Feb 2018 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.4	8.5	12.7
277	27.2	18.6	28.0

