

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014593.D
 Acq On : 16 Mar 2018 01:16
 Operator : SJ/JU
 Sample : J1904-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL05

Manual Integrations
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 3/16/2018 5:09:58 PM

Quant Time: Mar 26 12:05:11 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:09:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	130643	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	516645	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	263141	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	460737	20.00	ng/ul	0.00
18) Chrysene-d12	21.11	240	423373	20.00	ng/ul	0.00
23) Perylene-d12	23.29	264	435479	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.88	165	212164	26.57	ng/ul	0.00
7) Acenaphthylene-d8	13.80	160	814385	28.96	ng/ul	0.00
10) Fluorene-d10	15.12	176	528593	28.69	ng/ul	0.00
15) Anthracene-d10	16.99	188	688512	31.22	ng/ul	0.00
19) Pyrene-d10	19.30	212	646385	25.40	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.15	264	611157	29.01	ng/ul	0.01
Target Compounds				Qvalue		
5) 2-Methylnaphthalene	11.90	142	24679	1.344	ng/ul	97
8) Acenaphthylene	13.84	152	95538	3.660	ng/ul	98
14) Phenanthrene	16.93	178	200018	7.752	ng/ul	98
16) Anthracene	17.02	178	86598m	3.357	ng/ul	
17) Fluoranthene	18.96	202	359941	12.289	ng/ul#	98
20) Pyrene	19.33	202	411011	12.908	ng/ul#	96
21) Benzo(a)anthracene	21.10	228	231765	8.657	ng/ul#	81
22) Chrysene	21.15	228	266213	10.814	ng/ul#	91
24) Benzo(b)fluoranthene	22.64	252	413108	15.089	ng/ul#	89
25) Benzo(k)fluoranthene	22.68	252	105611m	4.060	ng/ul	
27) Benzo(a)pyrene	23.20	252	267650	10.299	ng/ul#	87
28) Indeno(1,2,3-cd)pyrene	25.44	276	245793	8.218	ng/ul#	96
29) Dibenzo(a,h)anthracene	25.43	278	63149	2.522	ng/ul#	56
30) Benzo(g,h,i)perylene	26.11	276	289269	12.141	ng/ul#	96

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

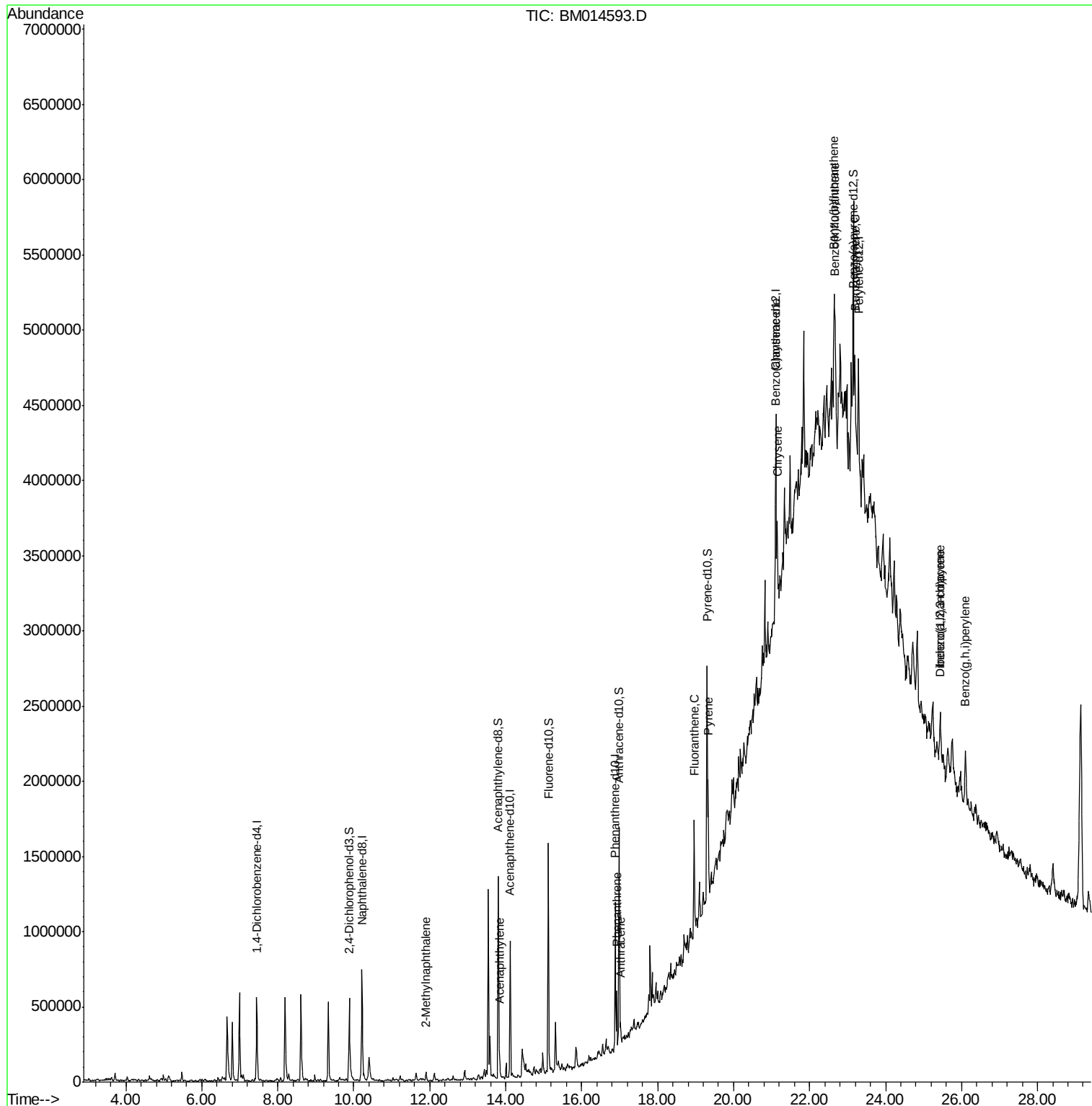
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031518\
Data File : BM014593.D
Acq On : 16 Mar 2018 01:16
Operator : SJ/JU
Sample : J1904-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

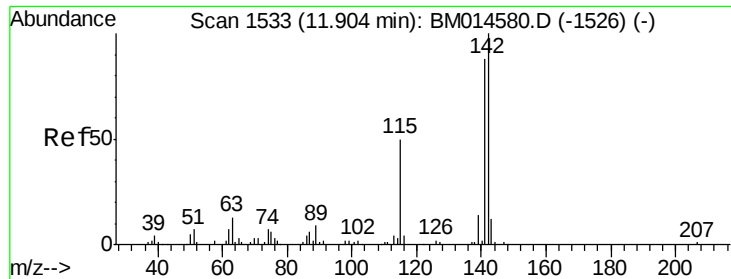
Instrument :
BNA_M
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BEL05

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Quant Time: Mar 26 12:05:11 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
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#5

2-Methylnaphthalene

Concen: 1.344 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Instrument :

BNA_M

ClientSampled :

BEL05

Tgt Ion:142 Resp: 24679

Ion Ratio Lower Upper

142 100

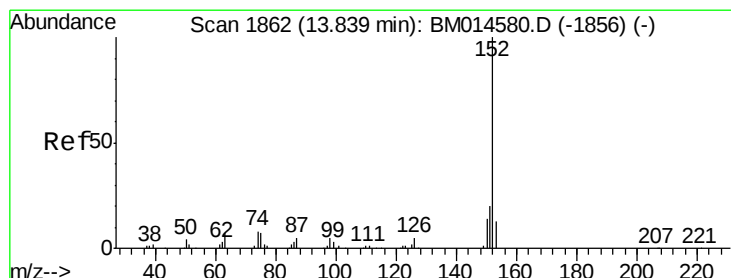
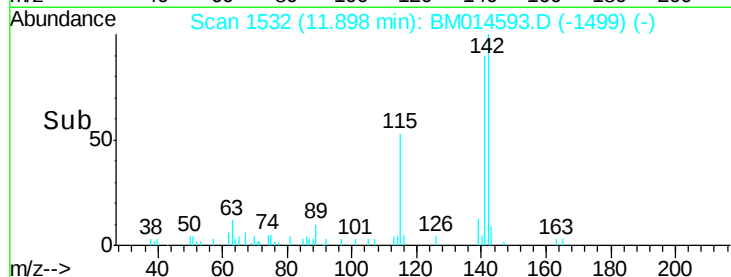
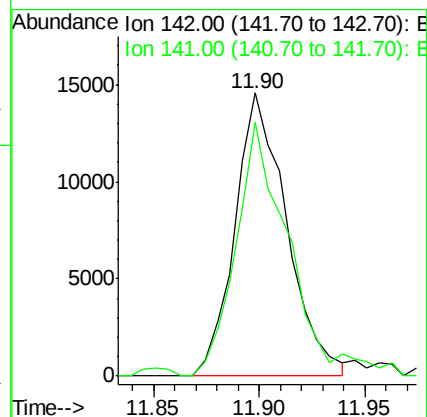
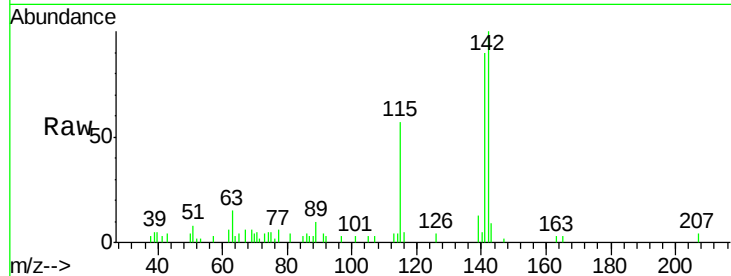
141 89.9 74.1 111.1

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#8

Acenaphthylene

Concen: 3.660 ng/ul

RT: 13.84 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

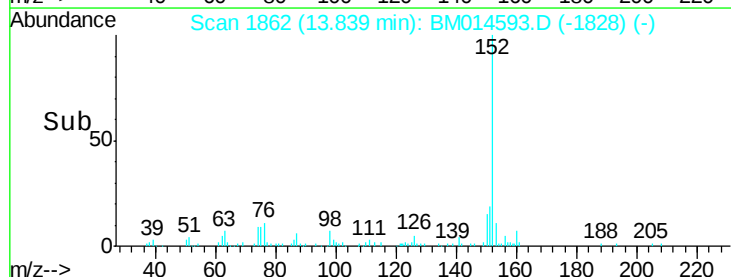
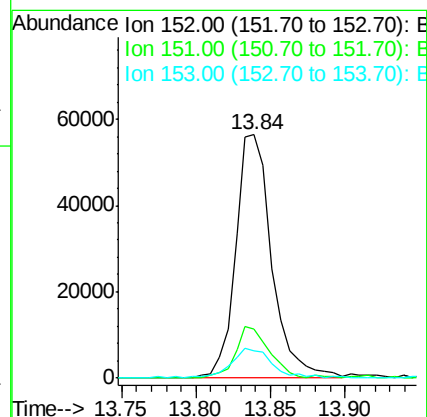
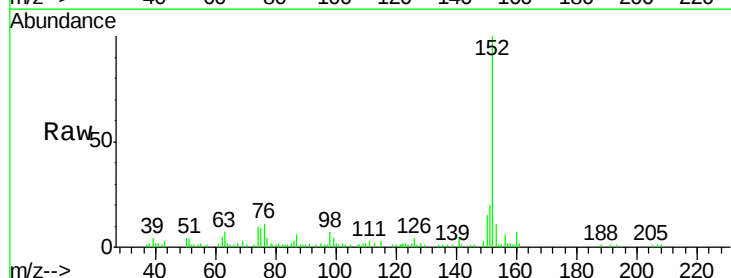
Tgt Ion:152 Resp: 95538

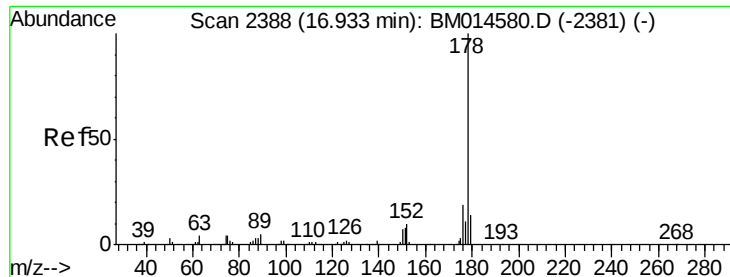
Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

153 11.4 10.2 15.4





#14

Phenanthrene

Concen: 7.752 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Instrument :

BNA_M

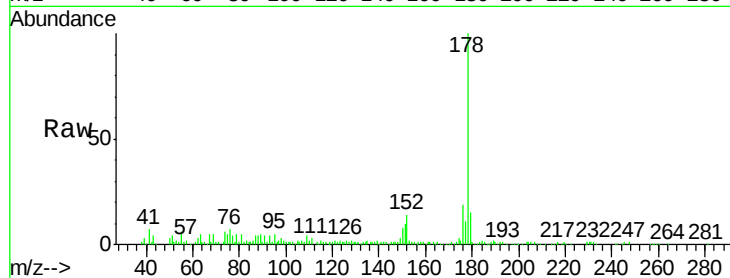
ClientSampleId :

BEL05

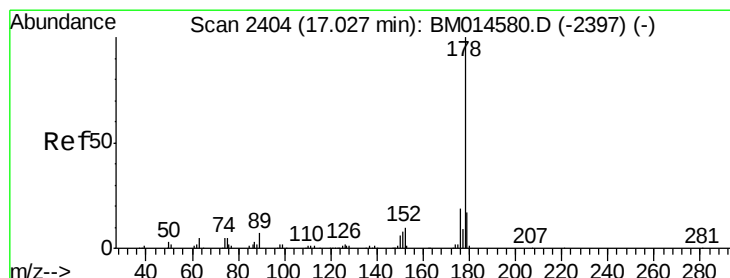
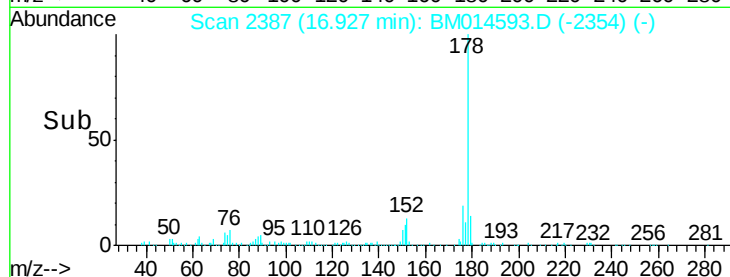
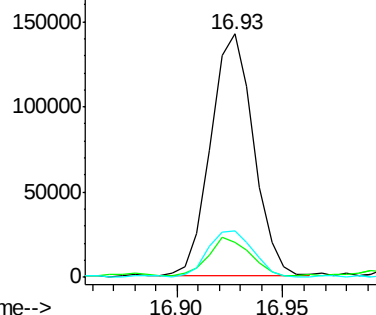
Tgt Ion:	178	Resp:	200018
Ion Ratio		Lower	Upper
178	100		
179	14.6	12.6	19.0
176	19.3	14.9	22.3

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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



#16

Anthracene

Concen: 3.357 ng/ul m

RT: 17.02 min Scan# 2403

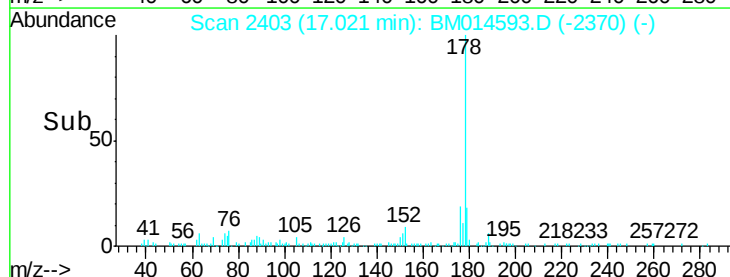
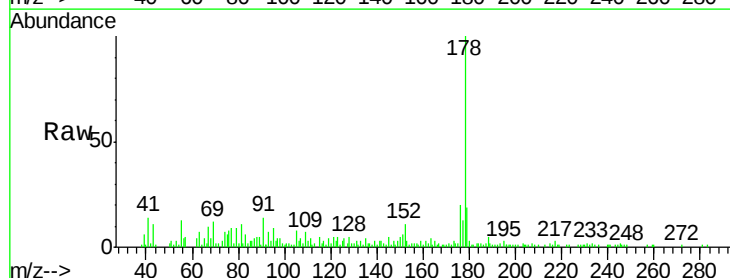
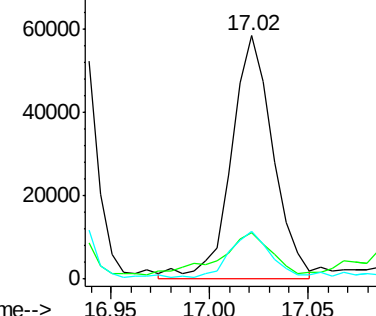
Delta R.T. -0.01 min

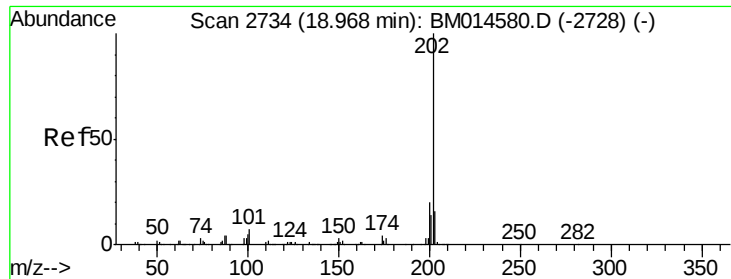
Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Tgt Ion:	178	Resp:	86598
Ion Ratio		Lower	Upper
178	100		
179	18.8	11.7	17.5#
176	19.7	14.6	21.8

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





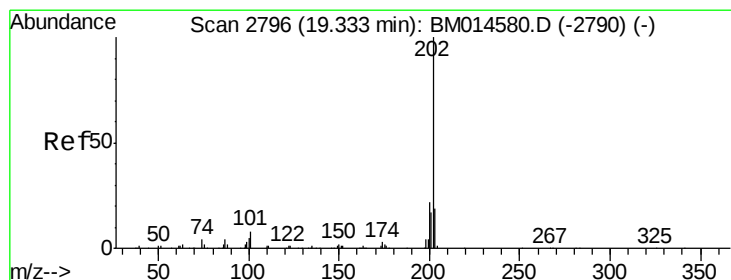
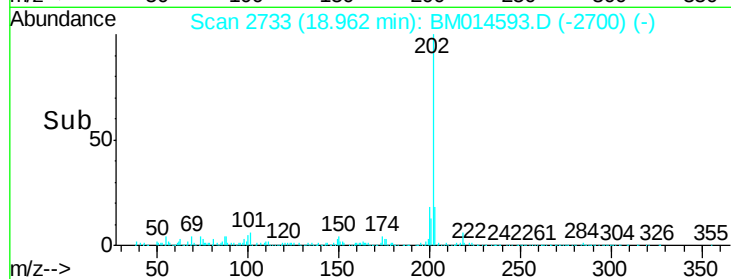
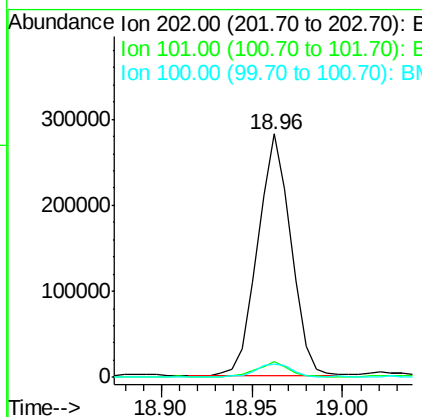
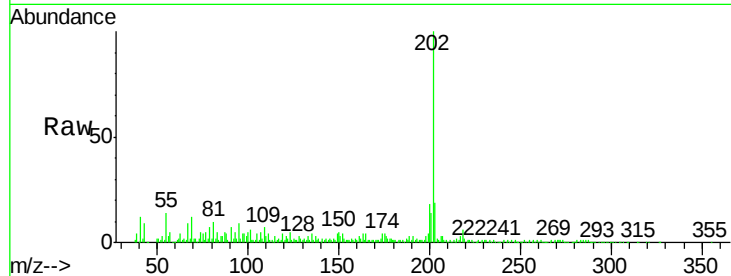
#17
Fluoranthene
 Concen: 12.289 ng/ul
 RT: 18.96 min Scan# 2733
 Delta R.T. -0.01 min
 Lab File: BM014593.D
 Acq: 16 Mar 2018 01:16

Instrument :
 BNA_M
 ClientSampleId :
 BEL05

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		359941		
101	6.3	4.6	7.0		
100	5.4	3.4	5.2#		

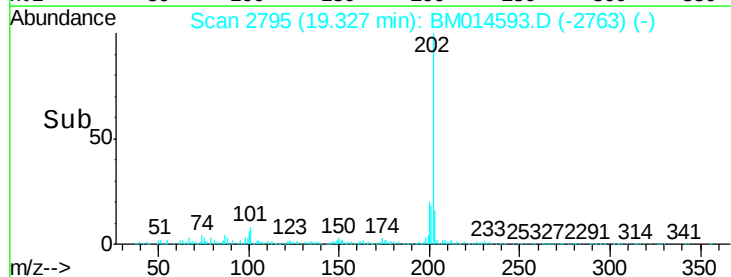
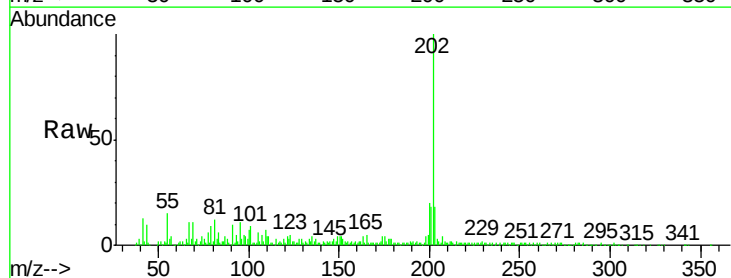
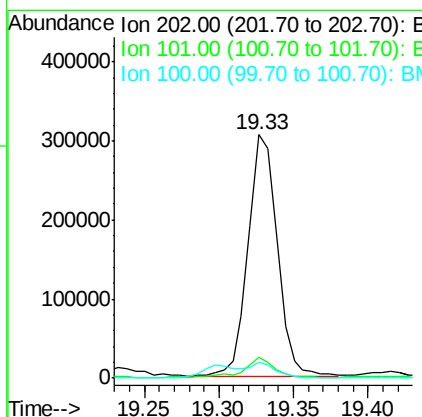
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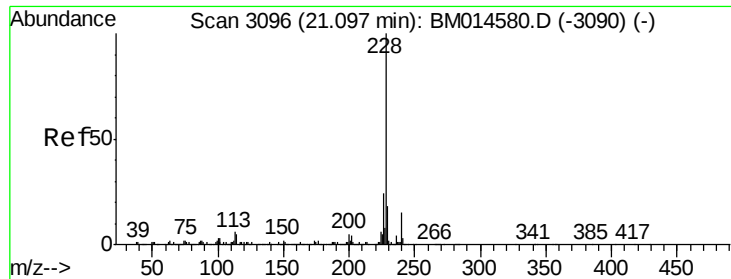
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#20
Pyrene
 Concen: 12.908 ng/ul
 RT: 19.33 min Scan# 2795
 Delta R.T. -0.01 min
 Lab File: BM014593.D
 Acq: 16 Mar 2018 01:16

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		411011		
101	8.6	5.1	7.7#		
100	6.5	4.9	7.3		





#21

Benzo(a)anthracene

Concen: 8.657 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Instrument :

BNA_M

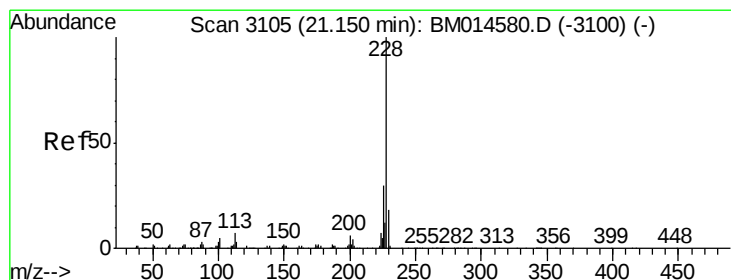
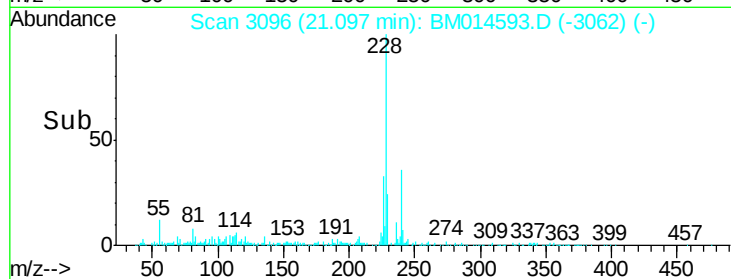
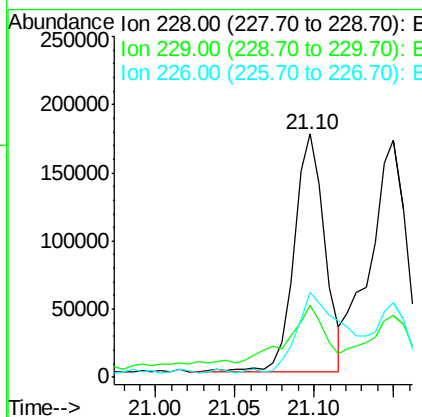
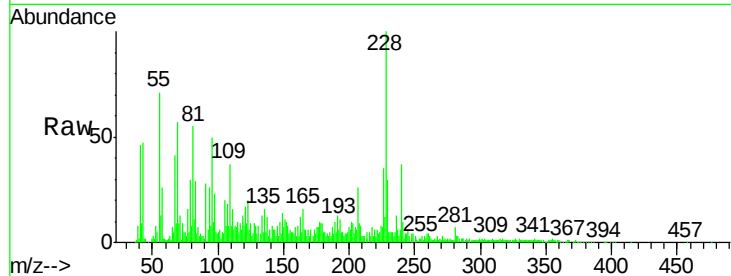
ClientSampleId :

BEL05

Tgt Ion:	228	Resp:	231765
Ion Ratio		Lower	Upper
228	100		
229	29.5	15.4	23.0#
226	35.0	21.4	32.0#

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#22

Chrysene

Concen: 10.814 ng/ul

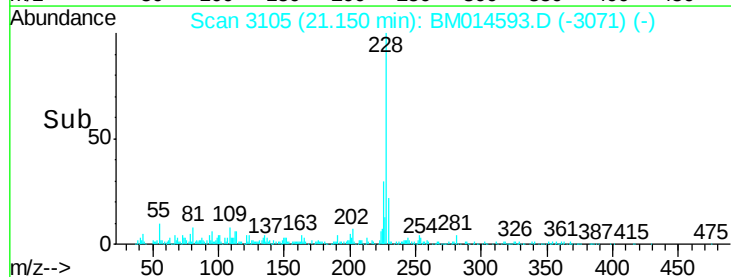
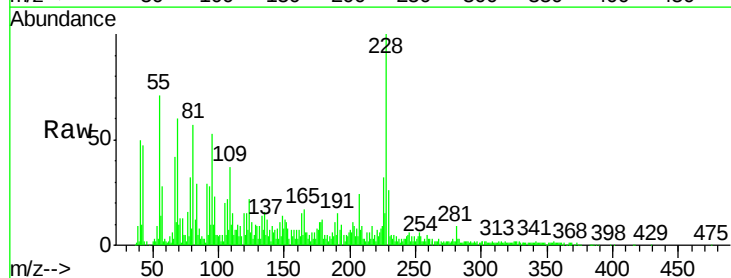
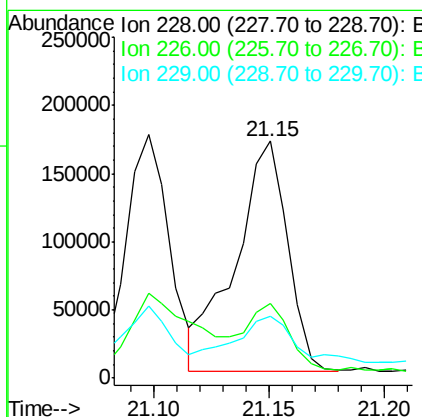
RT: 21.15 min Scan# 3105

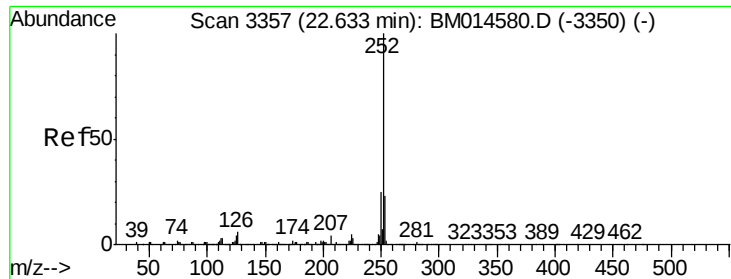
Delta R.T. -0.00 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Tgt Ion:	228	Resp:	266213
Ion Ratio		Lower	Upper
228	100		
226	31.6	23.4	35.2
229	26.3	15.5	23.3#





#24

Benzo(b)fluoranthene

Concen: 15.089 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Instrument :

BNA_M

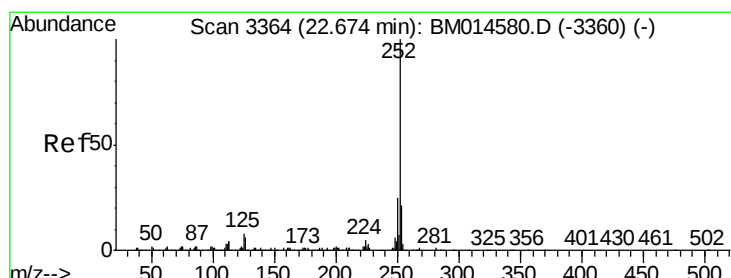
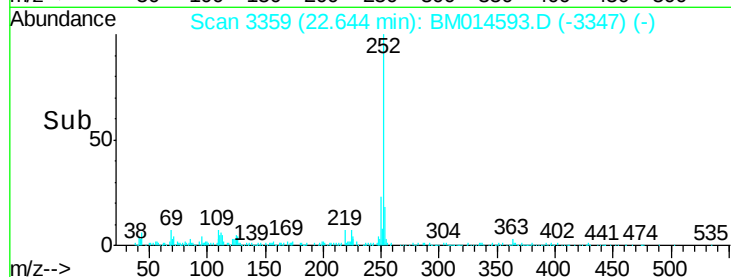
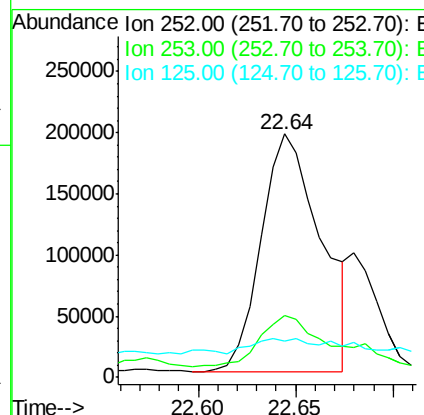
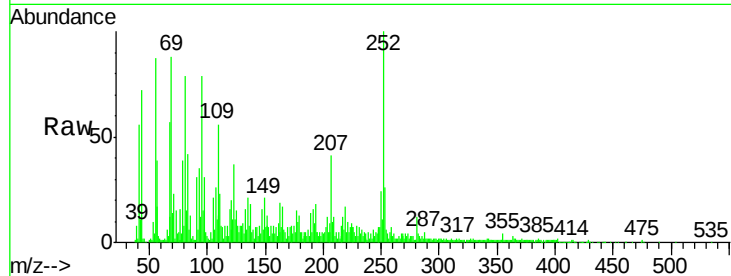
ClientSampled :

BEL05

Tgt Ion:	252	Resp:	413108
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.9	26.9
125	15.0	3.6	5.4#

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#25

Benzo(k)fluoranthene

Concen: 4.060 ng/ul m

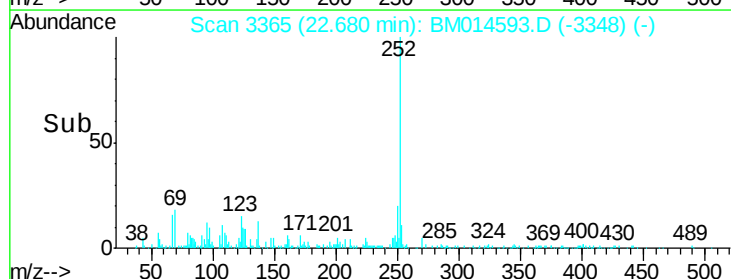
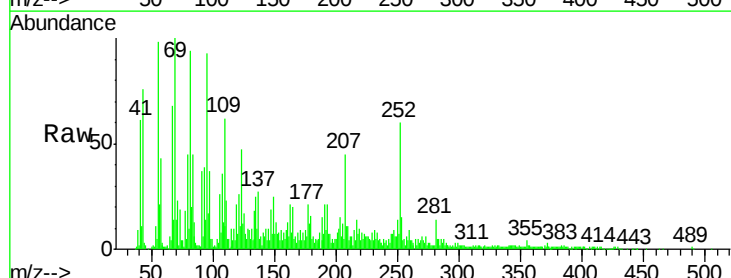
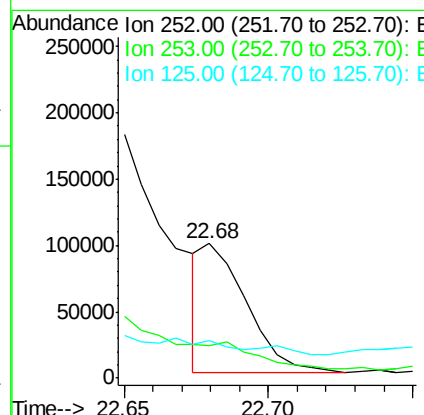
RT: 22.68 min Scan# 3365

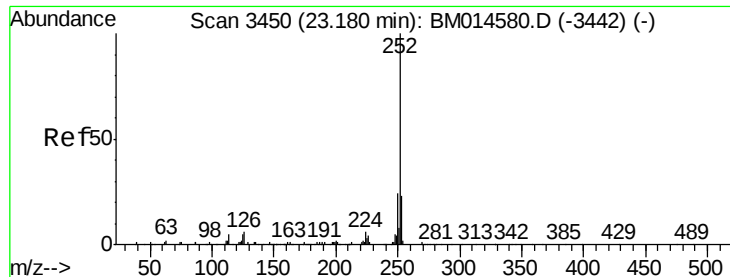
Delta R.T. -0.00 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Tgt Ion:	252	Resp:	105611
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.1	25.7
125	27.8	3.4	5.2#





#27

Benzo(a)pyrene

Concen: 10.299 ng/ul

RT: 23.20 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Instrument :

BNA_M

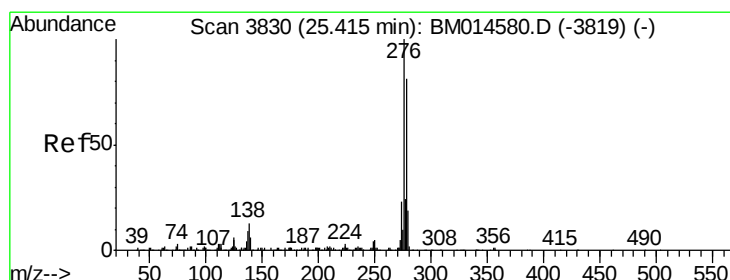
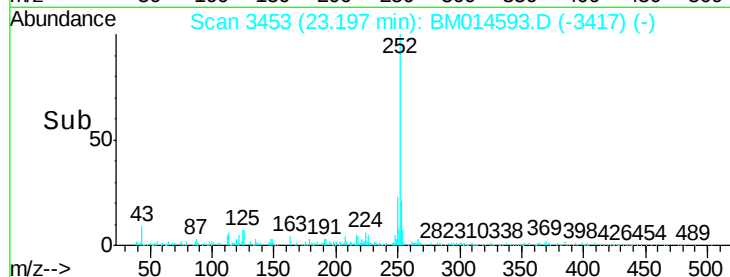
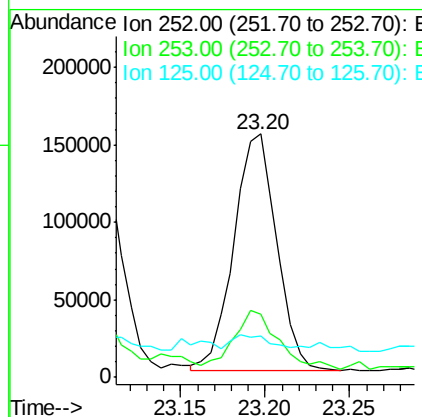
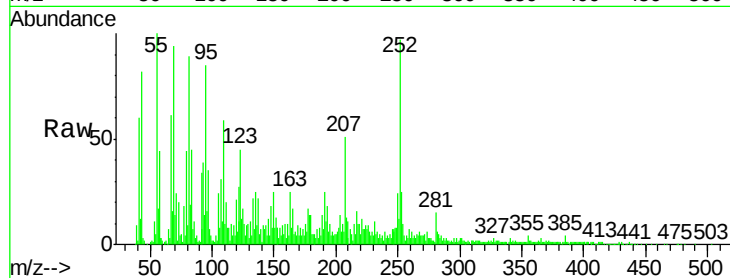
ClientSampleId :

BEL05

Tgt Ion:	252	Resp:	267650
Ion Ratio	Lower	Upper	
252	100		
253	26.2	18.2	27.2
125	17.2	4.0	6.0#

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#28

Indeno(1,2,3-cd)pyrene

Concen: 8.218 ng/ul

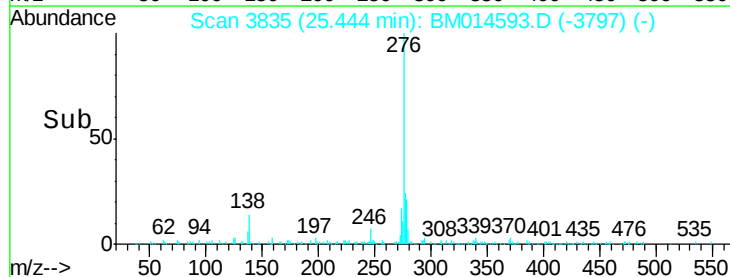
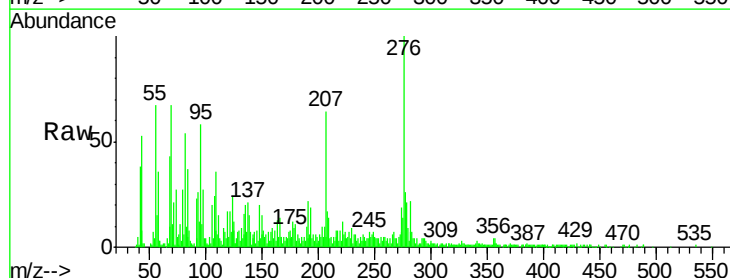
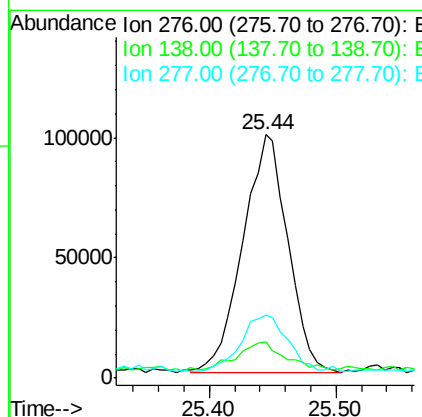
RT: 25.44 min Scan# 3835

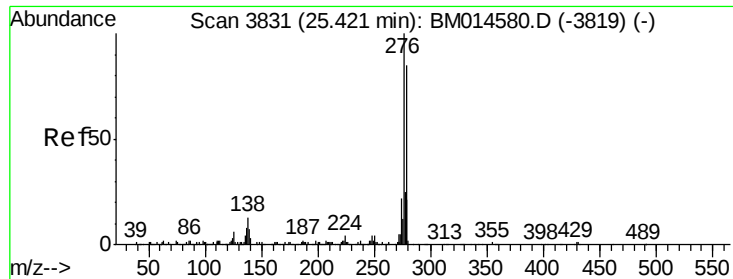
Delta R.T. 0.02 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Tgt Ion:	276	Resp:	245793
Ion Ratio	Lower	Upper	
276	100		
138	14.9	9.3	13.9#
277	25.9	19.9	29.9





#29

Dibenzo(a,h)anthracene

Concen: 2.522 ng/ul

RT: 25.43 min Scan# 3833

Delta R.T. 0.01 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Instrument :

BNA_M

ClientSampled :

BEL05

Tgt Ion:278 Resp: 63149
Ion Ratio Lower Upper

278 100

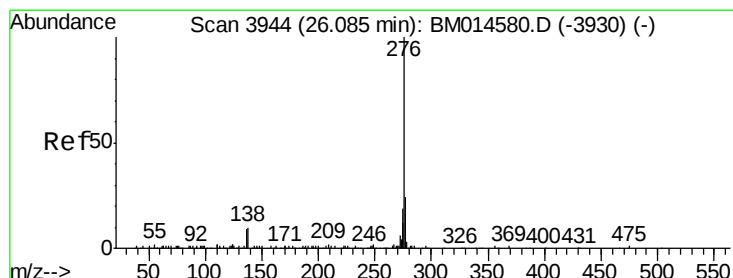
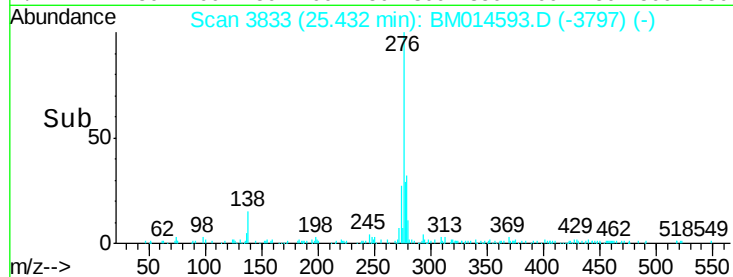
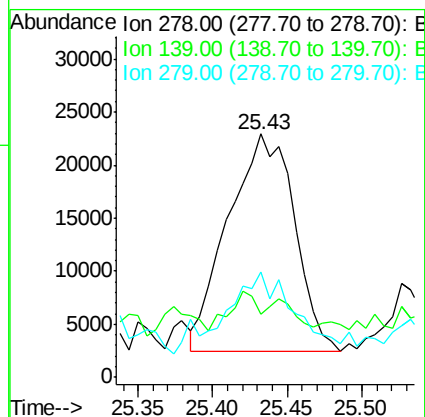
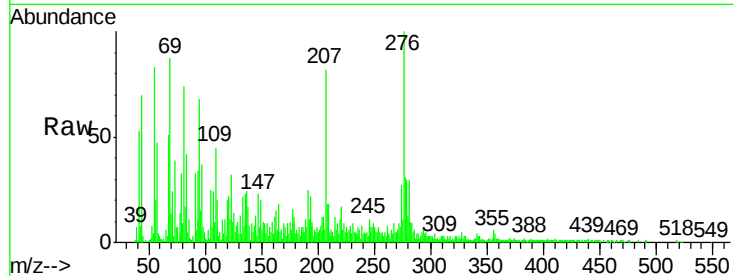
139 26.0 5.8 8.8#

279 43.0 18.6 27.8#

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#30

Benzo(g,h,i)perylene

Concen: 12.141 ng/ul

RT: 26.11 min Scan# 3948

Delta R.T. 0.02 min

Lab File: BM014593.D

Acq: 16 Mar 2018 01:16

Tgt Ion:276 Resp: 289269
Ion Ratio Lower Upper

276 100

138 12.9 8.5 12.7#

277 24.8 18.6 28.0

