

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014591.D
 Acq On : 16 Mar 2018 00:03
 Operator : SJ/JU
 Sample : J1904-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL24

Manual Integrations
 APPROVED

Sohil
 3/16/2018 5:09:55 PM

Quant Time: Mar 26 12:07:00 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	99148	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	412468	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	225635	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.88	188	453809	20.00	ng/ul	-0.01
18) Chrysene-d12	21.11	240	394091	20.00	ng/ul	0.00
23) Perylene-d12	23.27	264	354049	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.88	165	117457	18.43	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	536140	22.23	ng/ul	0.00
10) Fluorene-d10	15.13	176	343706	21.76	ng/ul	0.00
15) Anthracene-d10	16.99	188	485619	22.35	ng/ul	0.00
19) Pyrene-d10	19.30	212	494252	20.86	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.13	264	385002	22.48	ng/ul	-0.01
Target Compounds						
9) Acenaphthene	14.19	153	31891	2.082	ng/ul#	84
13) Pentachlorophenol	16.57	266	6019m	2.897	ng/ul	
14) Phenanthrene	16.93	178	679654	26.742	ng/ul	99
16) Anthracene	17.02	178	124599m	4.904	ng/ul	
17) Fluoranthene	18.96	202	890041	30.852	ng/ul#	96
20) Pyrene	19.33	202	673577	22.726	ng/ul	97
21) Benzo(a)anthracene	21.09	228	379831	15.241	ng/ul	99
22) Chrysene	21.14	228	335801	14.654	ng/ul	95
24) Benzo(b)fluoranthene	22.63	252	401016	18.016	ng/ul#	98
25) Benzo(k)fluoranthene	22.67	252	122950	5.814	ng/ul#	96
27) Benzo(a)pyrene	23.17	252	263916	12.491	ng/ul#	99
28) Indeno(1,2,3-cd)pyrene	25.40	276	173551	7.137	ng/ul	98
29) Dibenzo(a,h)anthracene	25.40	278	48150	2.366	ng/ul#	93
30) Benzo(g,h,i)perylene	26.07	276	149486	7.717	ng/ul#	98

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

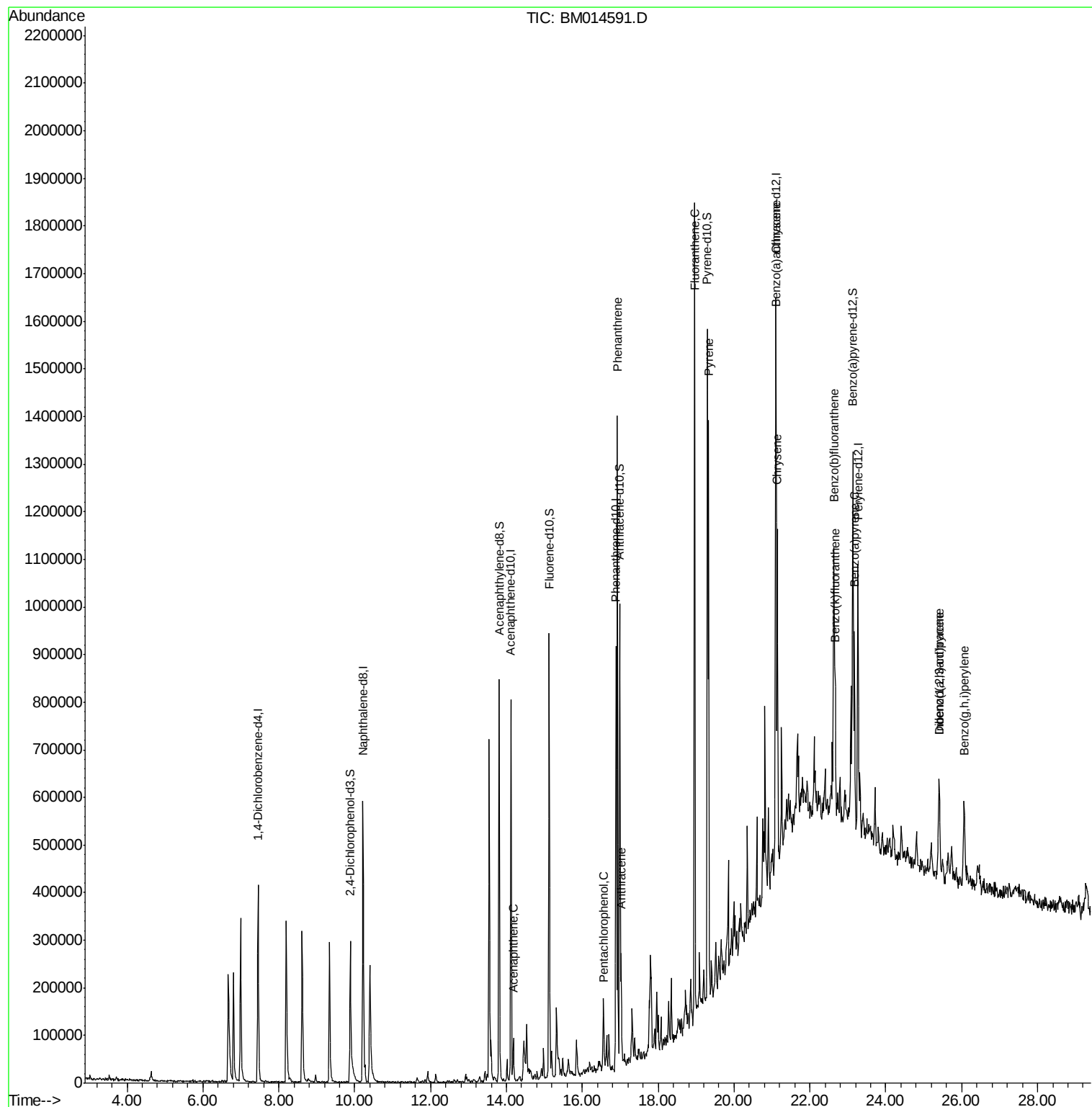
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031518\
Data File : BM014591.D
Acq On : 16 Mar 2018 00:03
Operator : SJ/JU
Sample : J1904-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

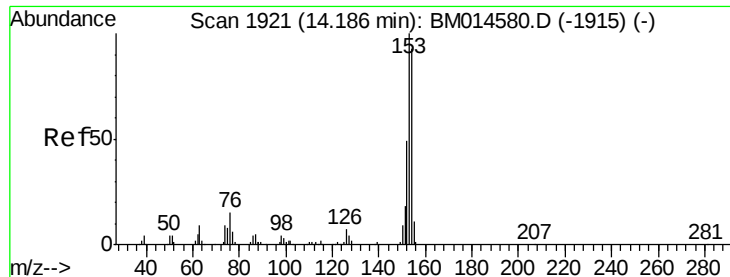
Instrument :
BNA_M
ClientSampled :
BEL24

Manual Integrations
APPROVED

Sohil
3/16/2018 5:09:55 PM

Quant Time: Mar 26 12:07:00 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





#9

Acenaphthene

Concen: 2.082 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

Instrument :

BNA_M

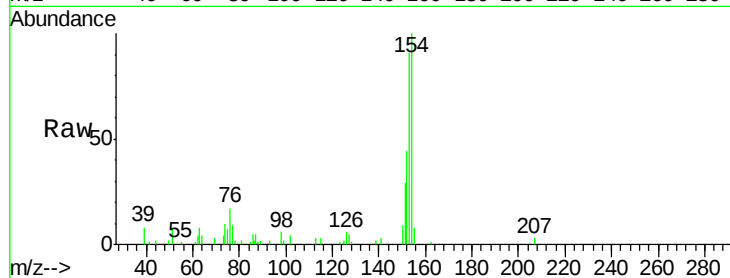
ClientSampled :

BEL24

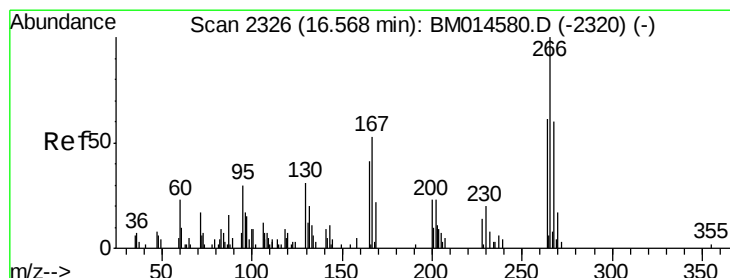
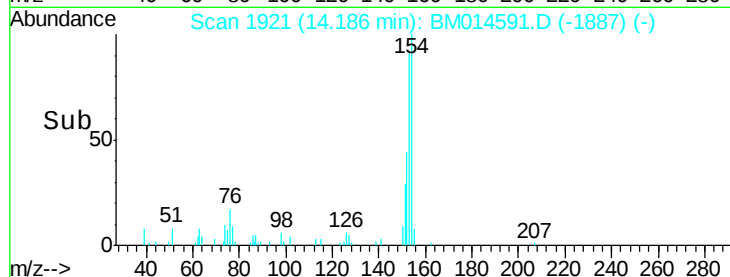
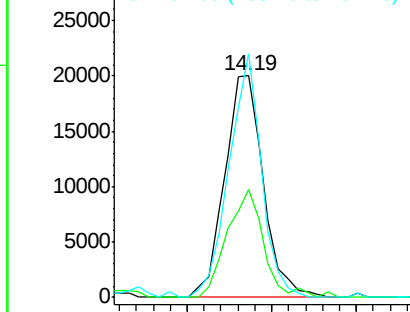
Tgt Ion:	153	Resp:	31891
Ion Ratio	Lower	Upper	
153	100		
152	48.6	37.6	56.4
154	109.9	70.4	105.6#

Manual Integrations
APPROVED

Sohil
3/16/2018 5:09:55 PM



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



#13

Pentachlorophenol

Concen: 2.897 ng/ul m

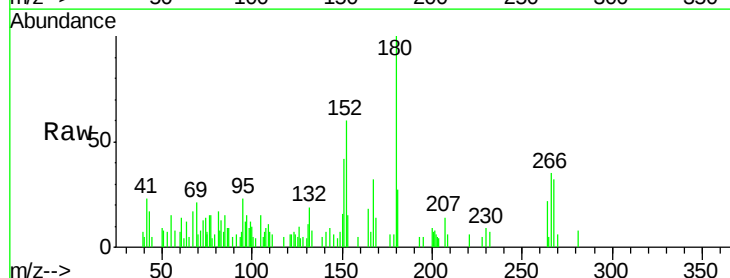
RT: 16.57 min Scan# 2327

Delta R.T. 0.01 min

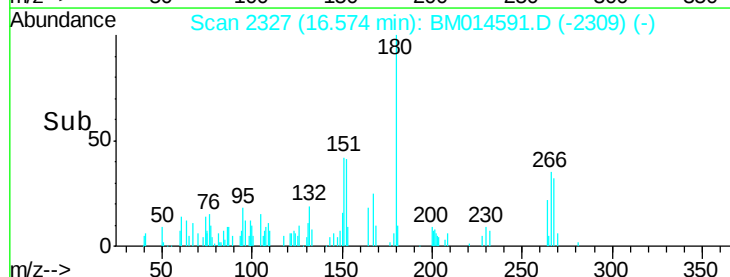
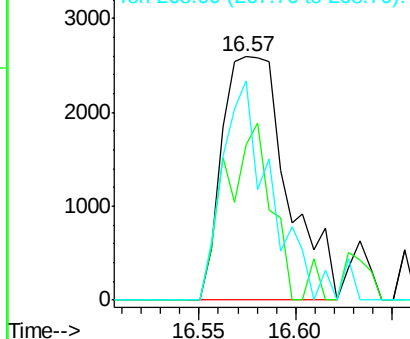
Lab File: BM014591.D

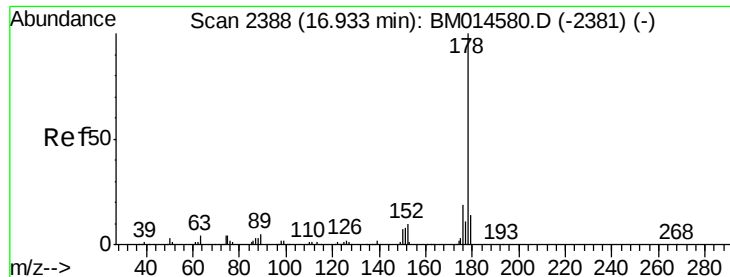
Acq: 16 Mar 2018 00:03

Tgt Ion:	266	Resp:	6019
Ion Ratio	Lower	Upper	
266	100		
264	63.9	49.3	73.9
268	90.2	52.6	78.8#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





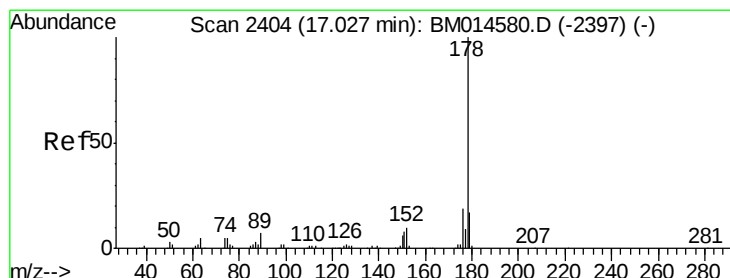
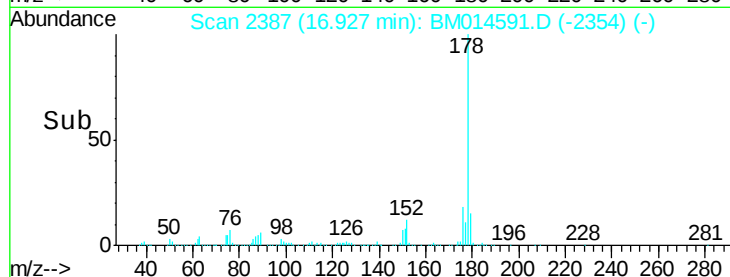
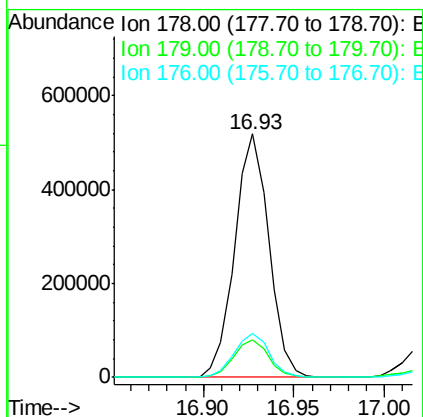
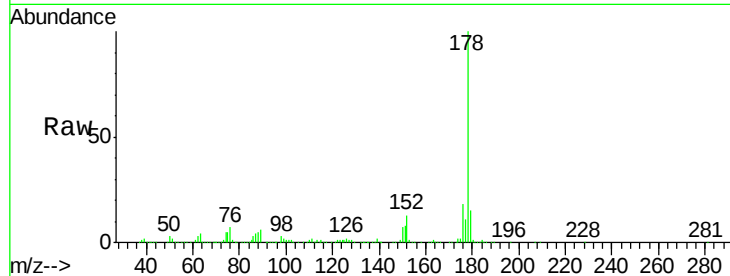
#14
Phenanthrene
Concen: 26.742 ng/ul
RT: 16.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BM014591.D
Acq: 16 Mar 2018 00:03

Instrument :
BNA_M
ClientSampleId :
BEL24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	17.9	14.9	22.3

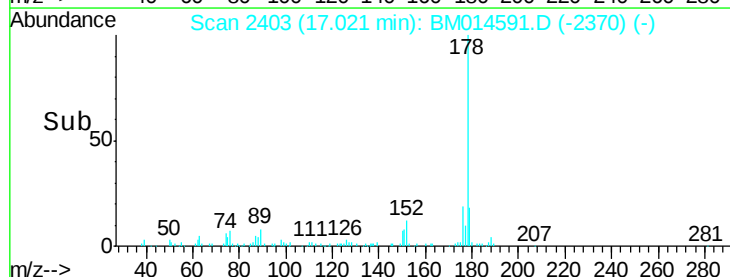
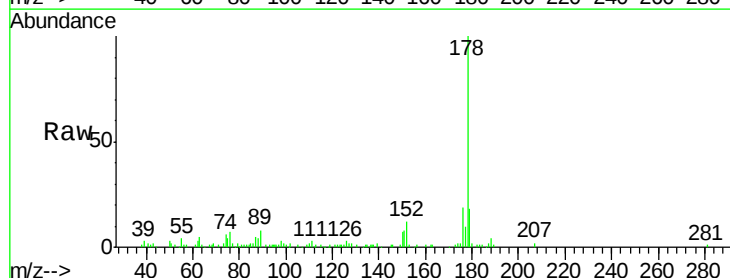
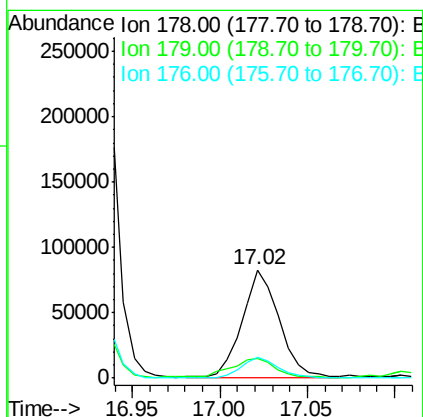
Manual Integrations
APPROVED

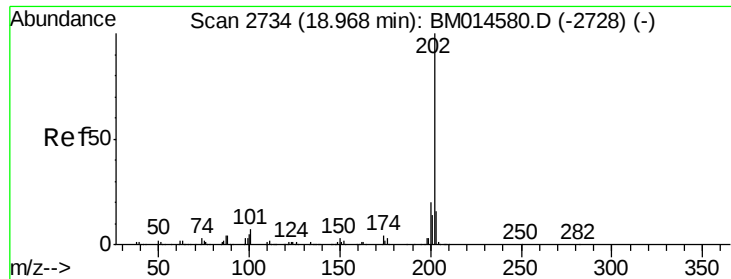
Sohil
3/16/2018 5:09:55 PM



#16
Anthracene
Concen: 4.904 ng/ul m
RT: 17.02 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BM014591.D
Acq: 16 Mar 2018 00:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.6	11.7	17.5#
176	19.4	14.6	21.8





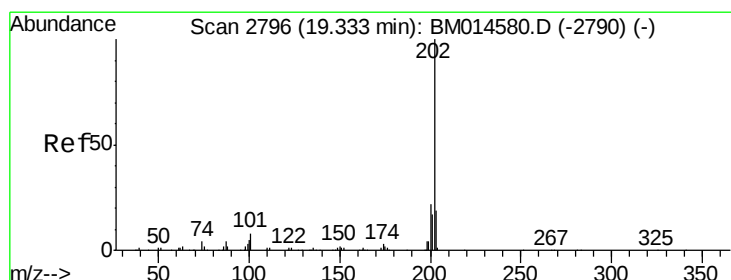
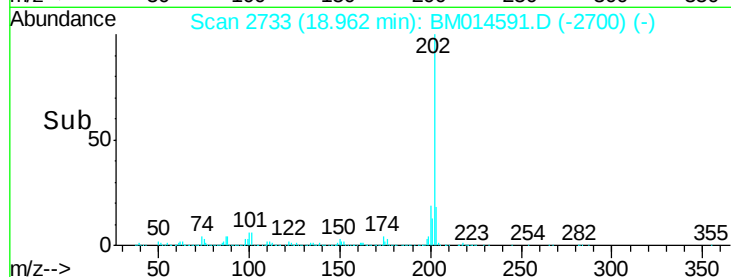
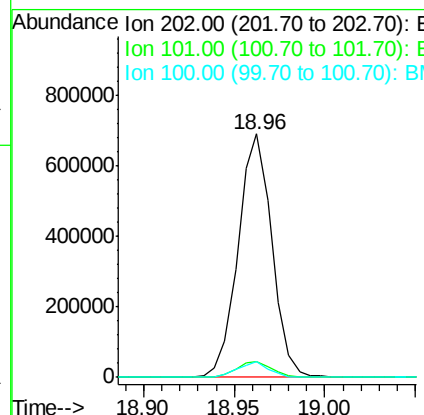
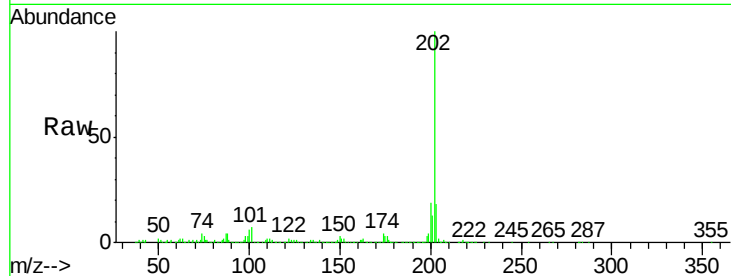
#17
Fluoranthene
 Concen: 30.852 ng/ul
 RT: 18.96 min Scan# 2733
 Delta R.T. -0.01 min
 Lab File: BM014591.D
 Acq: 16 Mar 2018 00:03

Instrument :
 BNA_M
 ClientSampleId :
 BEL24

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		890041		
101	6.6	4.6	7.0		
100	6.3	3.4	5.2		

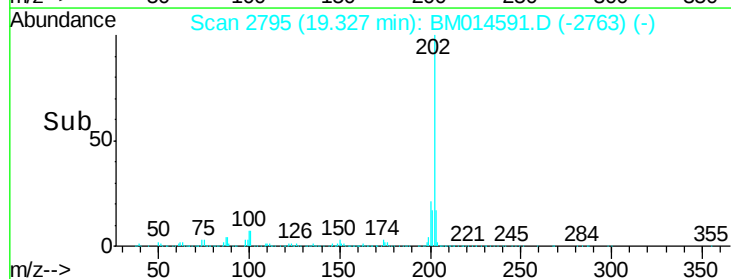
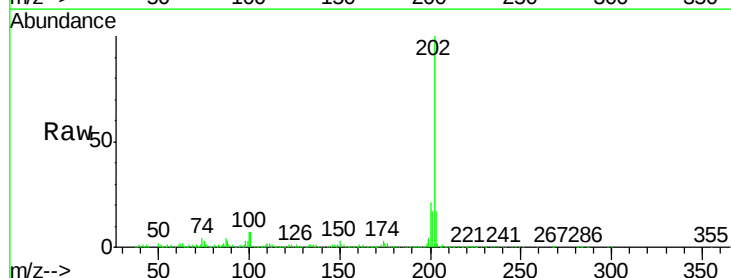
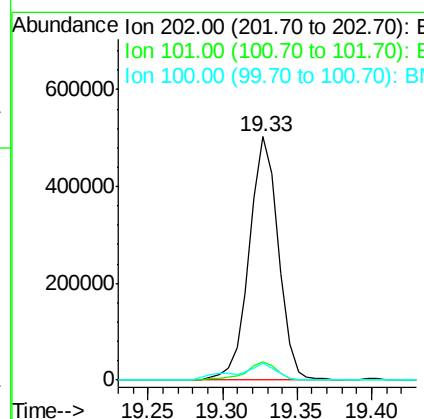
Manual Integrations
 APPROVED

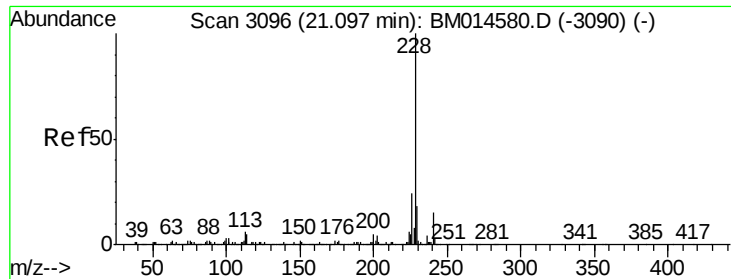
Sohil
 3/16/2018 5:09:55 PM



#20
Pyrene
 Concen: 22.726 ng/ul
 RT: 19.33 min Scan# 2795
 Delta R.T. -0.01 min
 Lab File: BM014591.D
 Acq: 16 Mar 2018 00:03

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		673577		
101	7.3	5.1	7.7		
100	7.1	4.9	7.3		





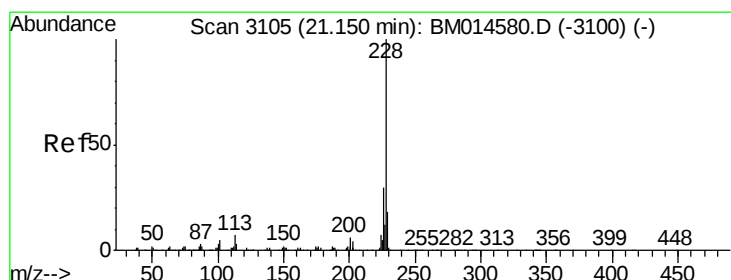
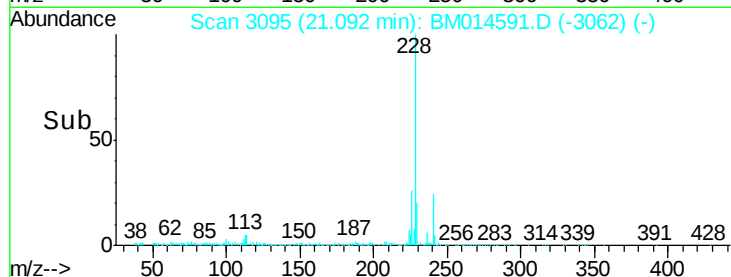
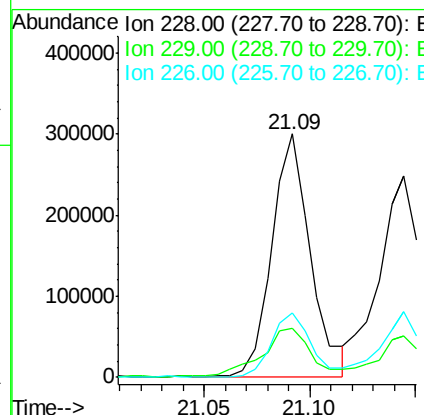
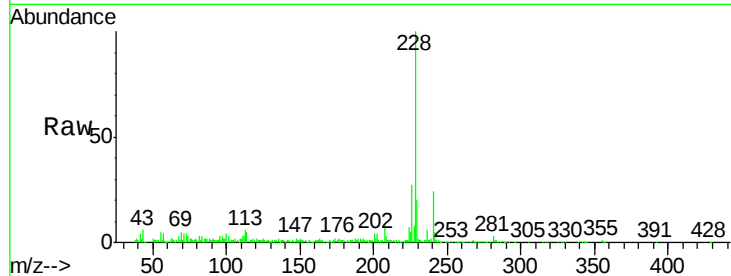
#21
Benzo(a)anthracene
Concen: 15.241 ng/ul
RT: 21.09 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM014591.D
Acq: 16 Mar 2018 00:03

Instrument :
BNA_M
ClientSampleId :
BEL24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	379831		
229	20.2	15.4	23.0	
226	26.6	21.4	32.0	

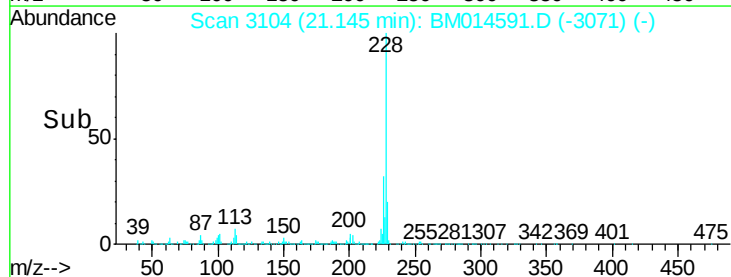
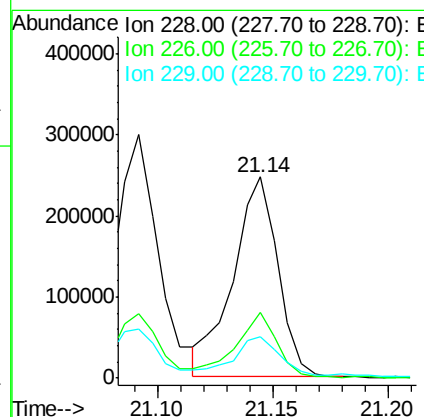
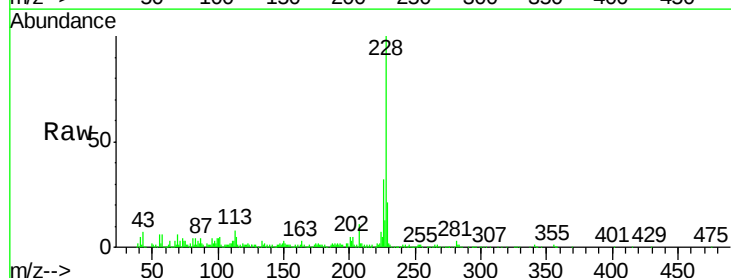
Manual Integrations
APPROVED

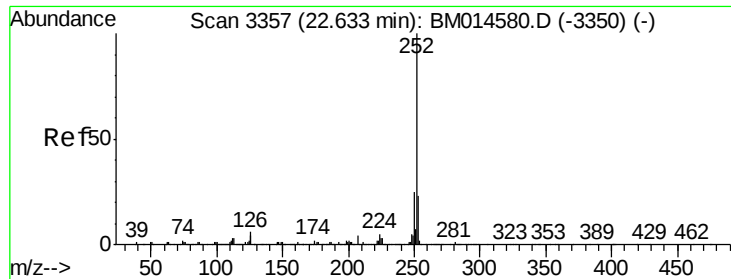
Sohil
3/16/2018 5:09:55 PM



#22
Chrysene
Concen: 14.654 ng/ul
RT: 21.14 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM014591.D
Acq: 16 Mar 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	335801		
226	32.4	23.4	35.2	
229	20.6	15.5	23.3	





#24

Benzo(b)fluoranthene

Concen: 18.016 ng/ul

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

Instrument :

BNA_M

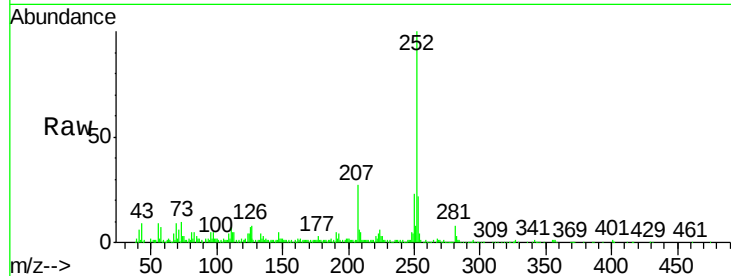
ClientSampled :

BEL24

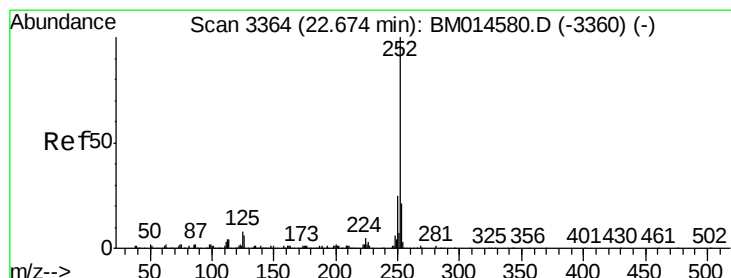
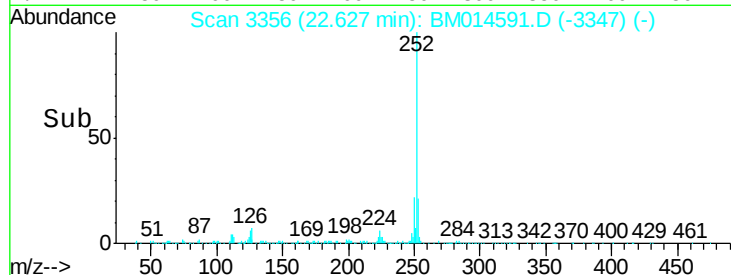
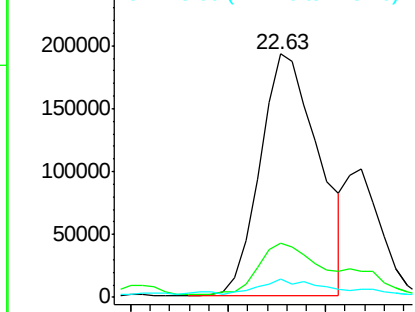
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	401016		
253	22.3	17.9	26.9	
125	7.4	3.6	5.4	

Manual Integrations
APPROVED

Sohil
3/16/2018 5:09:55 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#25

Benzo(k)fluoranthene

Concen: 5.814 ng/ul

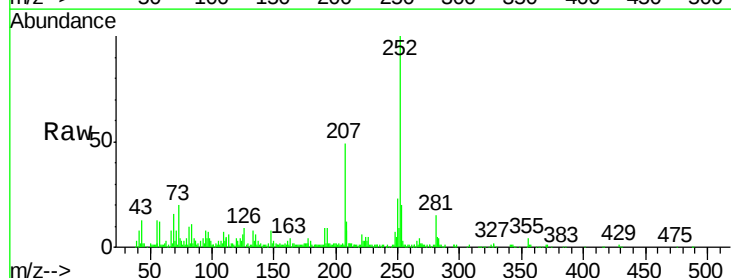
RT: 22.67 min Scan# 3363

Delta R.T. -0.01 min

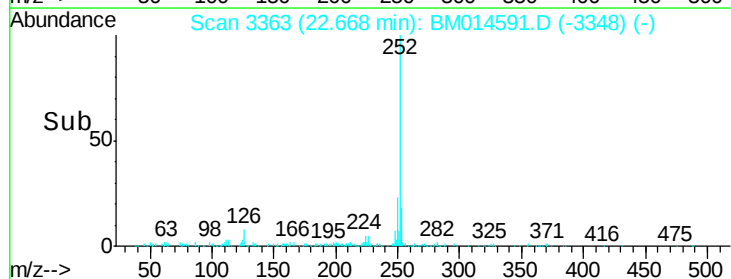
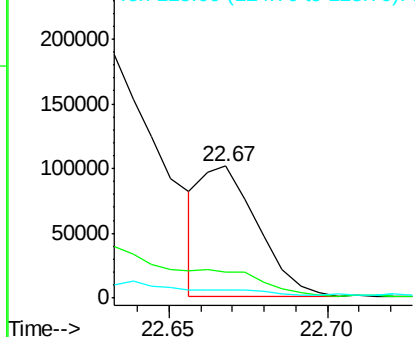
Lab File: BM014591.D

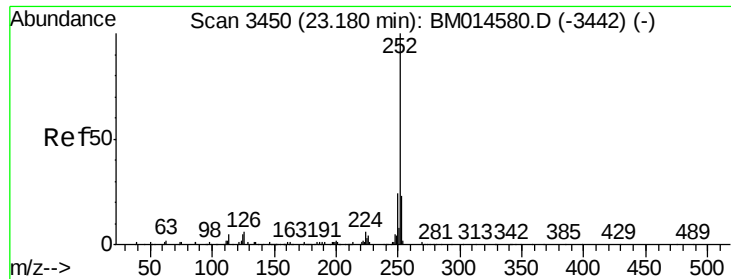
Acq: 16 Mar 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	122950		
253	20.0	17.1	25.7	
125	6.4	3.4	5.2	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 12.491 ng/ul

RT: 23.17 min Scan# 3449

Delta R.T. -0.01 min

Lab File: BM014591.D

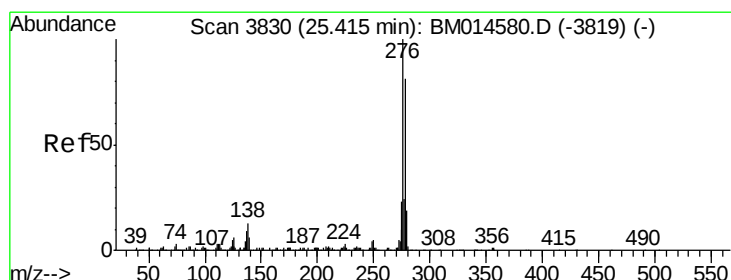
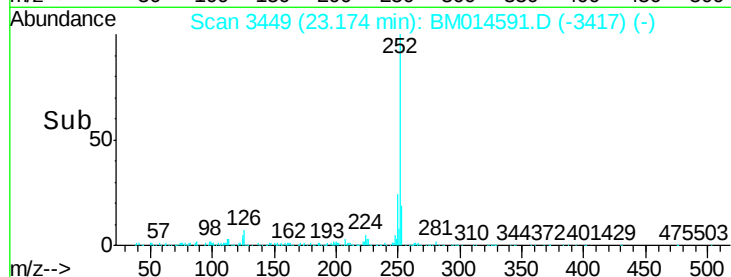
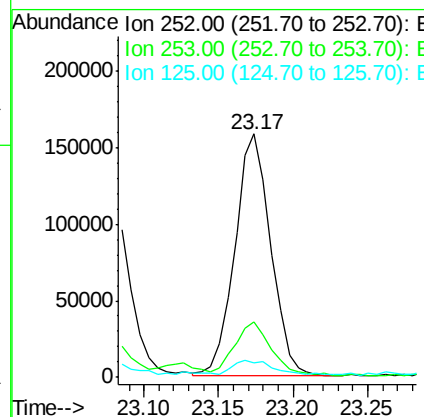
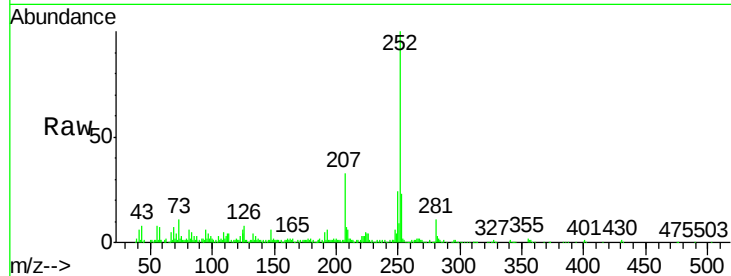
Acq: 16 Mar 2018 00:03

Instrument :
BNA_M
ClientSampled :
BEL24

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	18.2	27.2
125	6.1	4.0	6.0

Manual Integrations
APPROVED

Sohil
3/16/2018 5:09:55 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 7.137 ng/ul

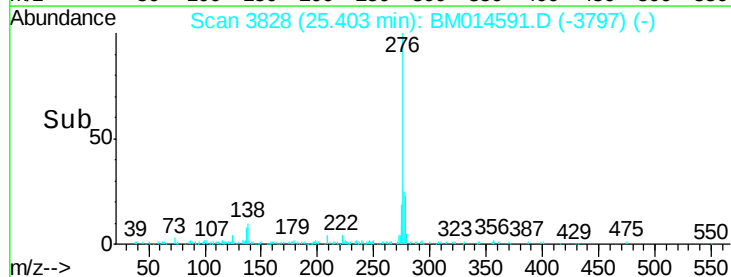
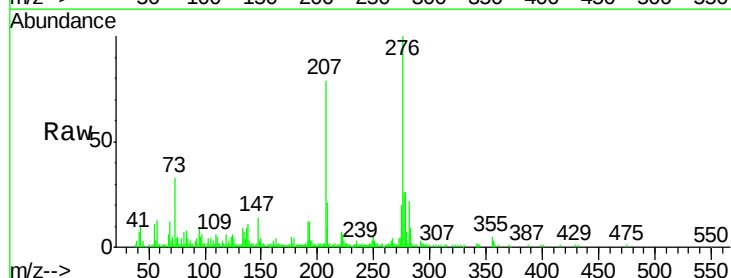
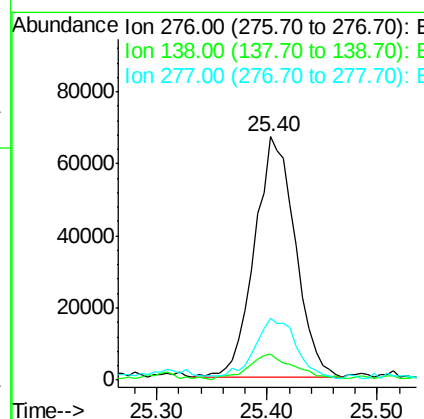
RT: 25.40 min Scan# 3828

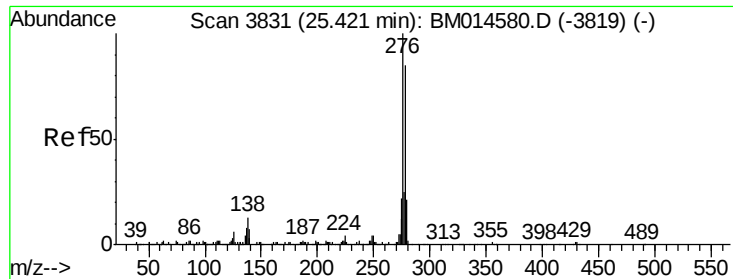
Delta R.T. -0.02 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	10.8	9.3	13.9
277	25.6	19.9	29.9





#29

Dibenzo(a,h)anthracene

Concen: 2.366 ng/ul

RT: 25.40 min Scan# 3828

Delta R.T. -0.02 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

Instrument :

BNA_M

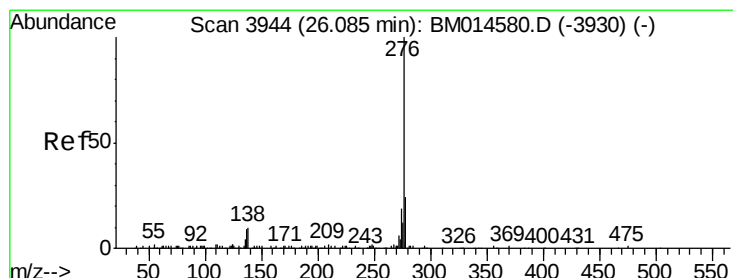
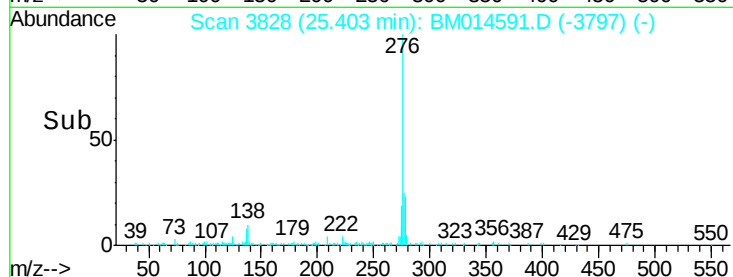
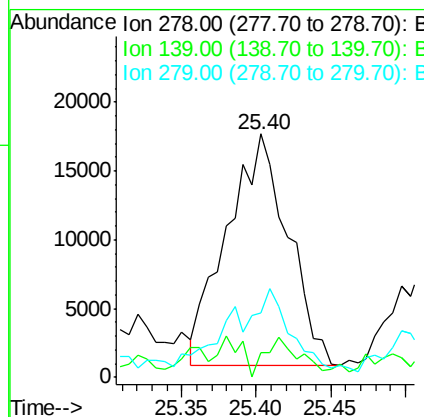
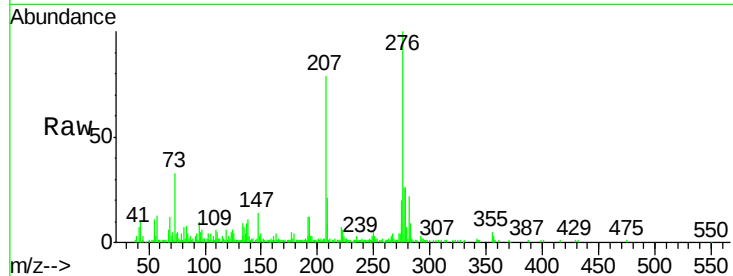
ClientSampled :

BEL24

Tgt Ion:	278	Resp:	48150
Ion Ratio	Lower	Upper	
278	100		
139	10.0	5.8	8.8#
279	26.7	18.6	27.8

Manual Integrations
APPROVED

Sohil
3/16/2018 5:09:55 PM



#30

Benzo(g,h,i)perylene

Concen: 7.717 ng/ul

RT: 26.07 min Scan# 3941

Delta R.T. -0.02 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

Tgt Ion:	276	Resp:	149486
Ion Ratio	Lower	Upper	
276	100		
138	12.7	8.5	12.7#
277	23.2	18.6	28.0

