

Data Path : \\74.0.250.170\SV0ASRV\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

Quant Time: Mar 16 15:24:02 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

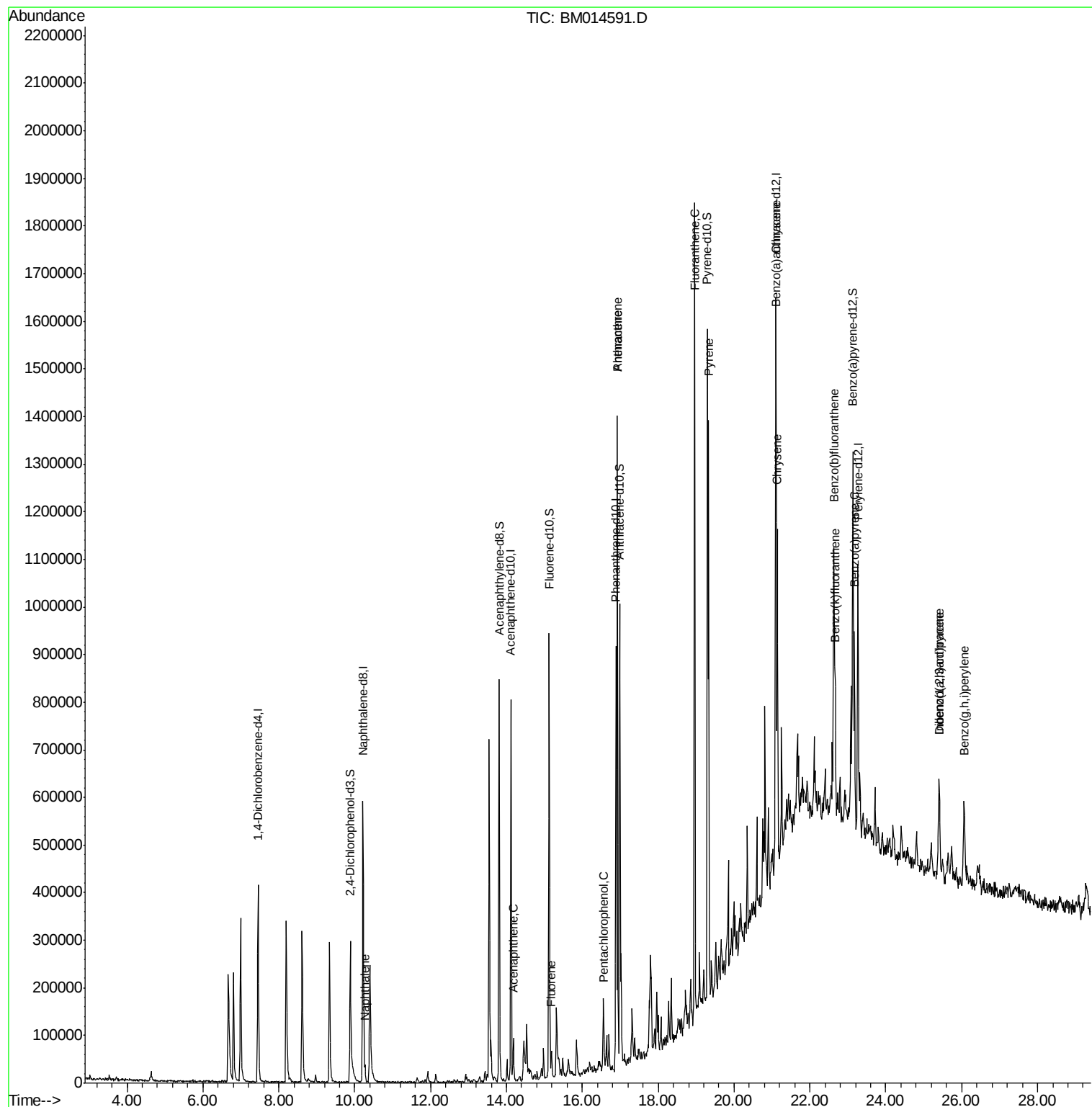
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	24283	1.159	ng/ul	99
9) Acenaphthene	14.19	153	31891	2.082	ng/ul#	84
11) Fluorene	15.19	166	20608	1.135	ng/ul#	75
13) Pentachlorophenol	16.57	266	3566	1.717	ng/ul#	83
14) Phenanthrene	16.93	178	679654	26.742	ng/ul	99
16) Anthracene	16.93	178	679654	26.752	ng/ul	99
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

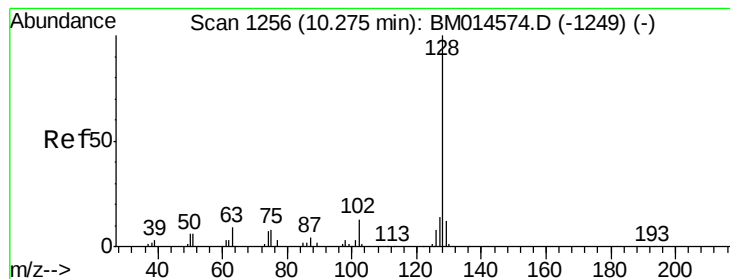
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM031518\
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 16 15:09:29 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.159 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

Instrument :

BNA_M

ClientSampleId :

BEL24

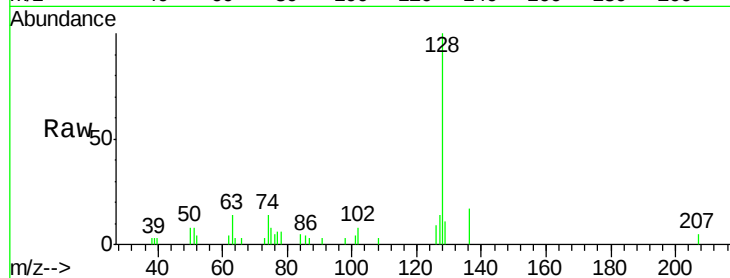
Tgt Ion:128 Resp: 24283

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

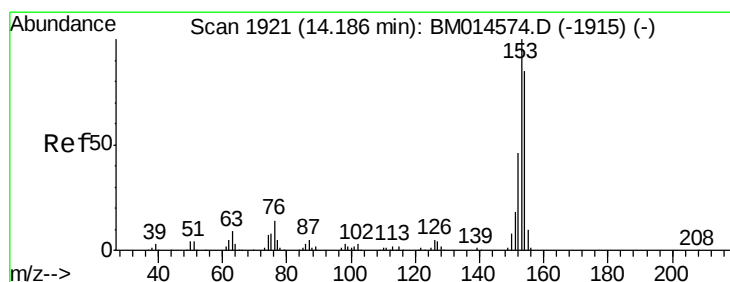
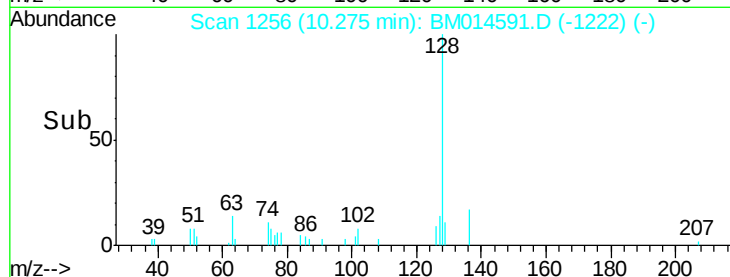
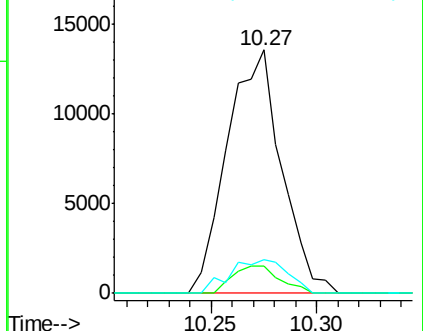
127 13.6 10.6 16.0



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



#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

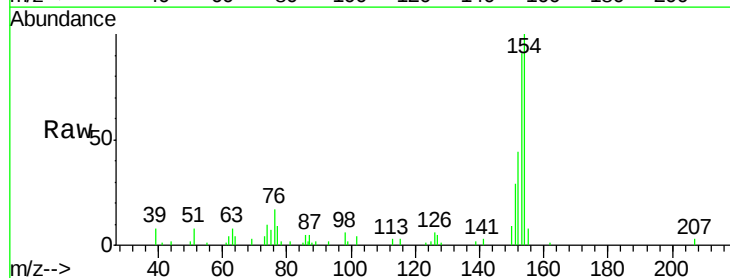
Tgt Ion:153 Resp: 31891

Ion Ratio Lower Upper

153 100

152 48.6 37.6 56.4

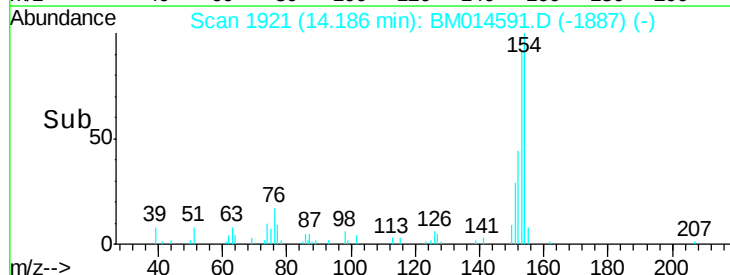
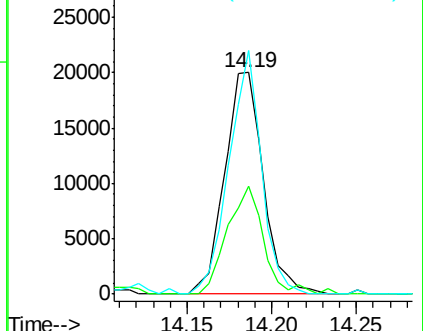
154 109.9 70.4 105.6#

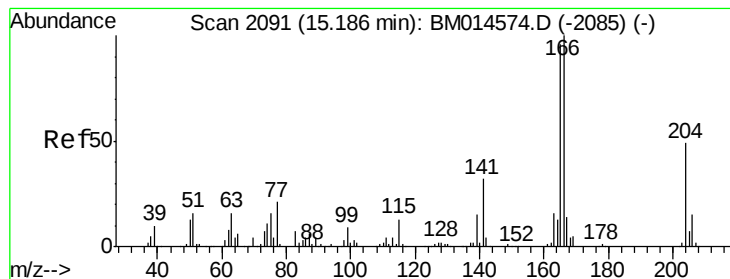


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.135 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

Instrument :

BNA_M

ClientSampleId :

BEL24

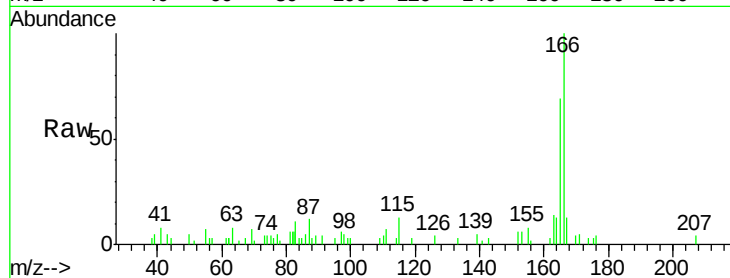
Tgt Ion:166 Resp: 20608

Ion Ratio Lower Upper

166 100

165 69.4 77.9 116.9#

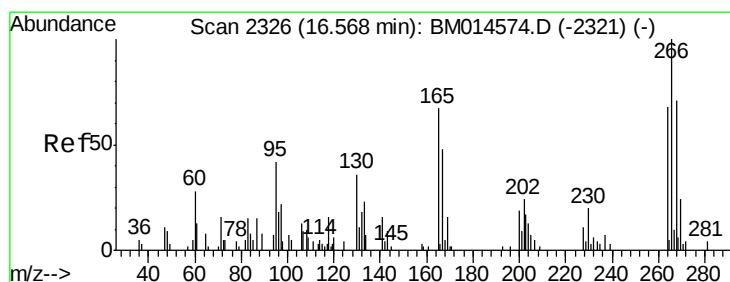
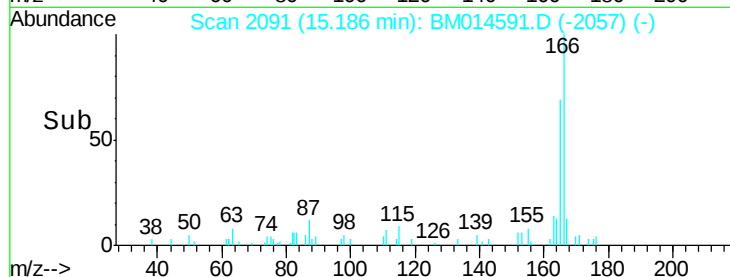
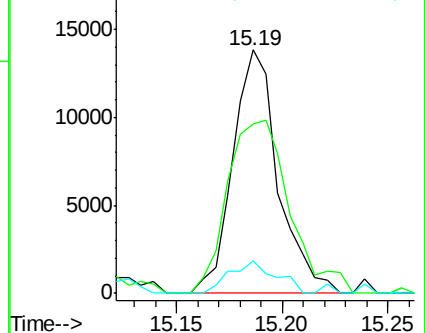
167 13.4 10.6 16.0



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



#13

Pentachlorophenol

Concen: 1.717 ng/ul

RT: 16.57 min Scan# 2327

Delta R.T. 0.01 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

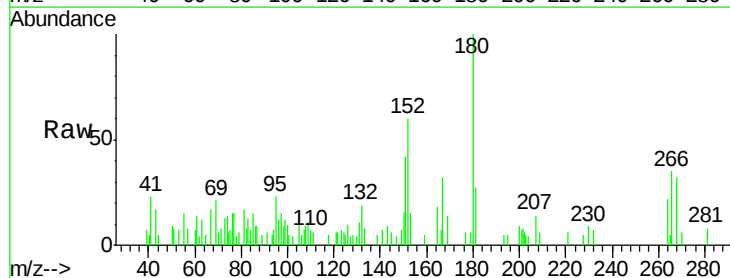
Tgt Ion:266 Resp: 3566

Ion Ratio Lower Upper

266 100

264 63.9 49.3 73.9

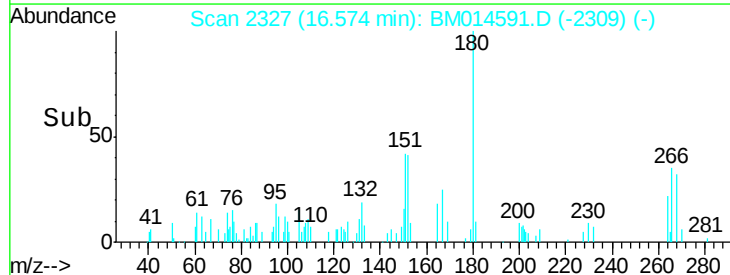
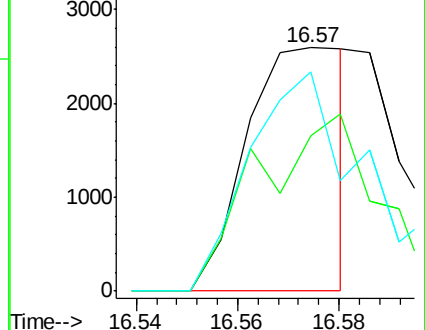
268 90.2 52.6 78.8#

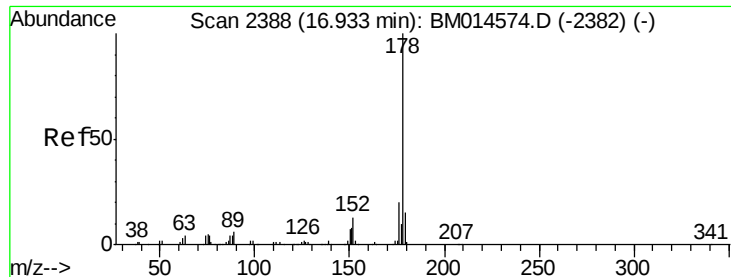


Abundance Ion 265.70 (265.40 to 266.40): E

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

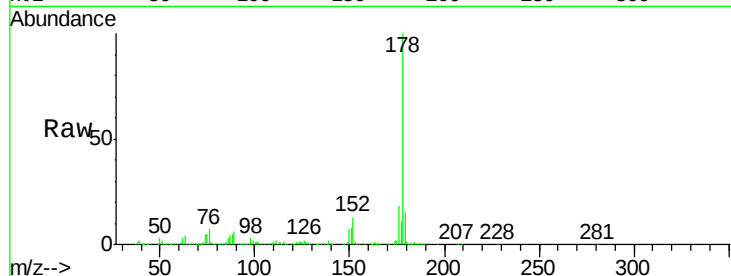
Tgt Ion:178 Resp: 679654

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

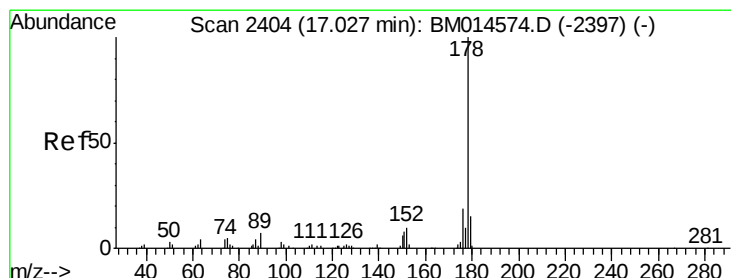
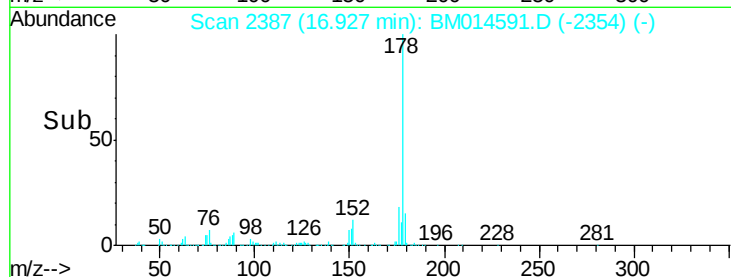
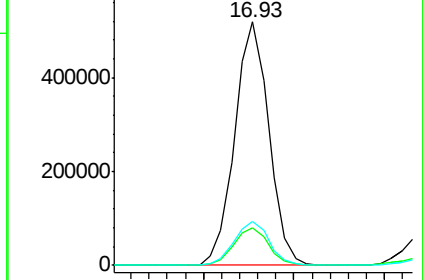
176 17.9 14.9 22.3



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: 26.752 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.10 min

Lab File: BM014591.D

Acq: 16 Mar 2018 00:03

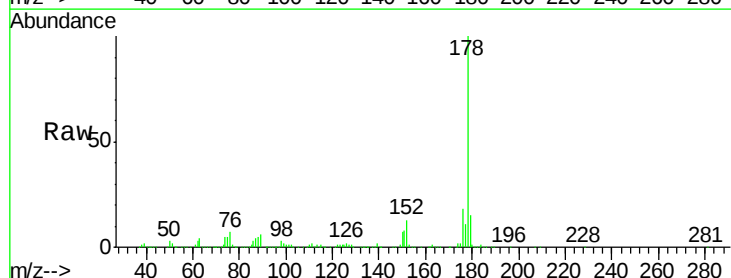
Tgt Ion:178 Resp: 679654

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

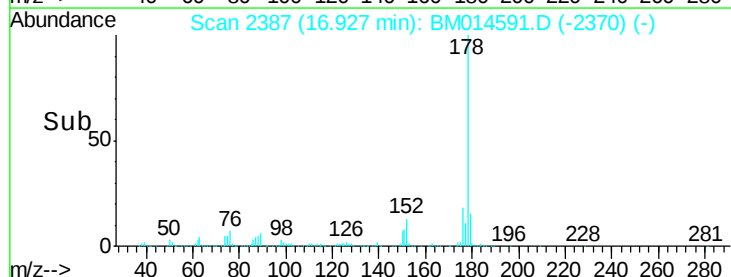
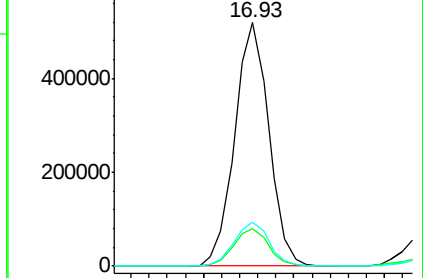
176 17.9 14.6 21.8

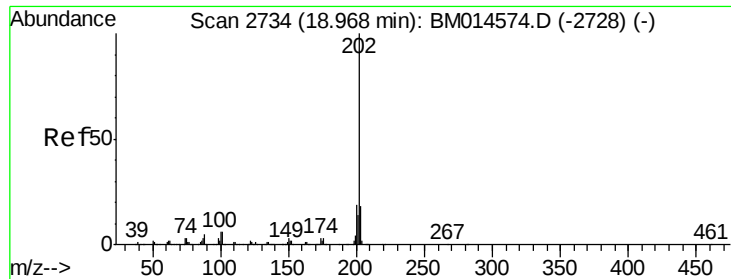


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

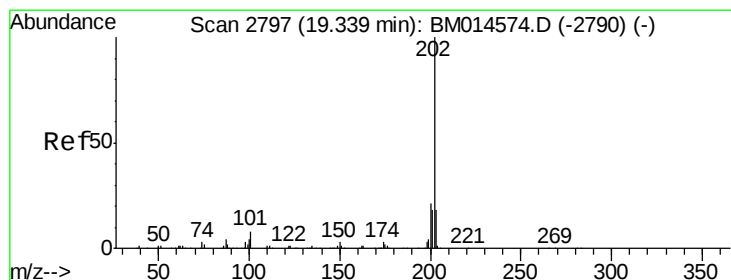
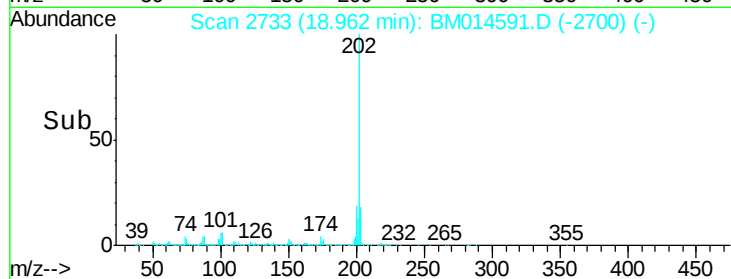
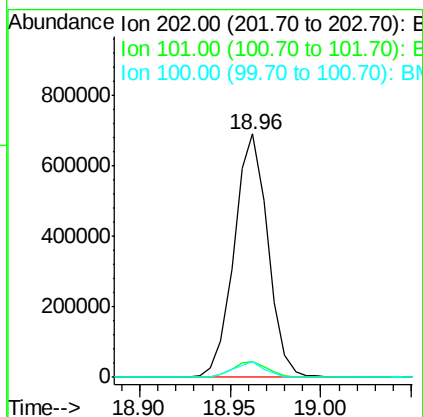
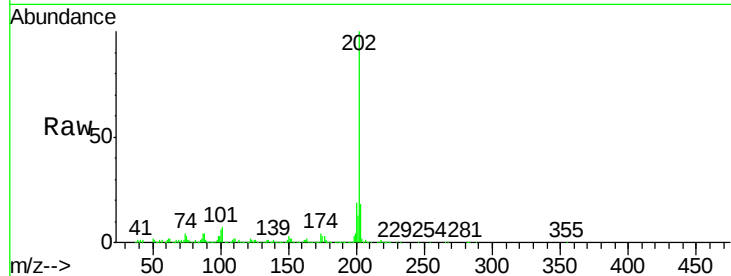




#17
 Fluoranthene
 Concen: 30.852 ng/ul
 RT: 18.96 min Scan# 2733
 Delta R.T. -0.01 min
 Lab File: BM014591.D
 Acq: 16 Mar 2018 00:03

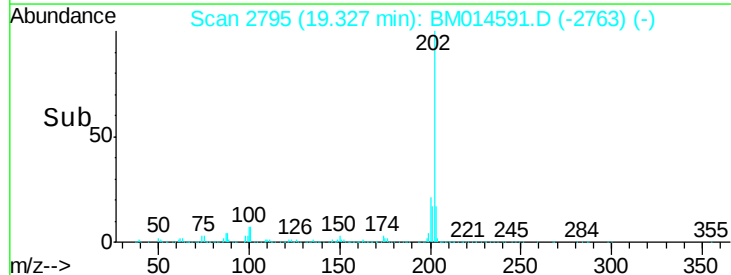
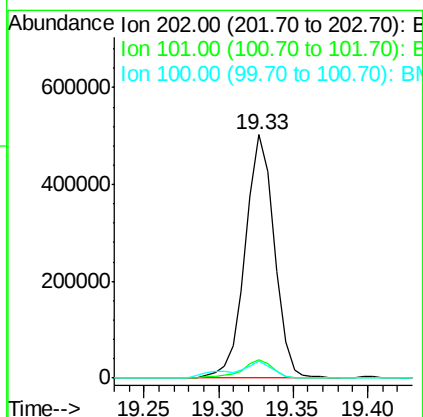
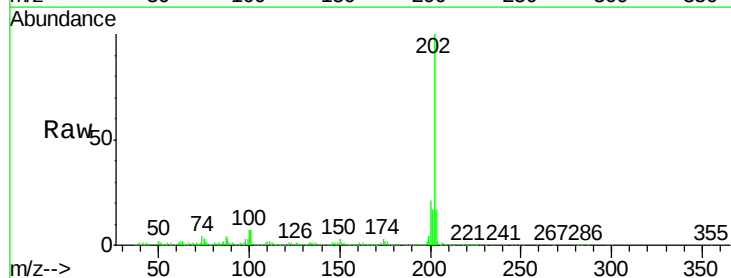
Instrument :
 BNA_M
 ClientSampleId :
 BEL24

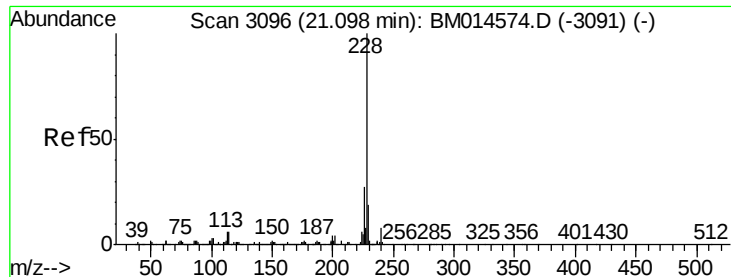
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.6	4.6	7.0
100	6.3	3.4	5.2



#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	Lower	Upper
202	100		
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

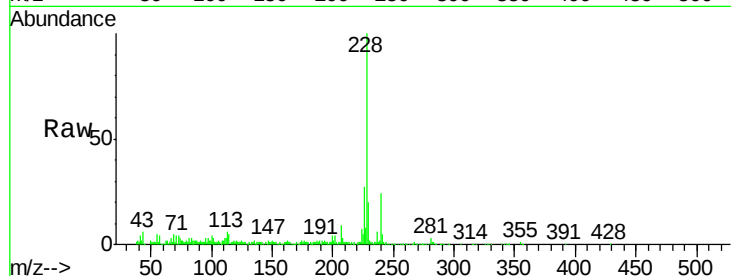
Tgt Ion:228 Resp: 379831

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

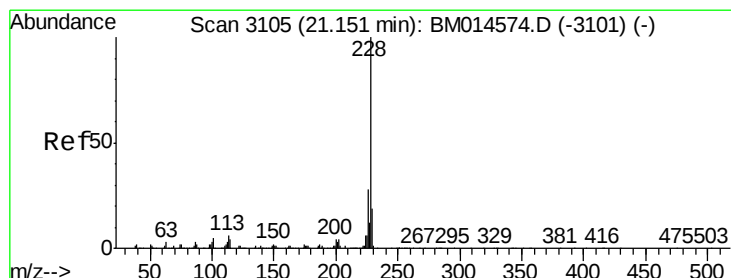
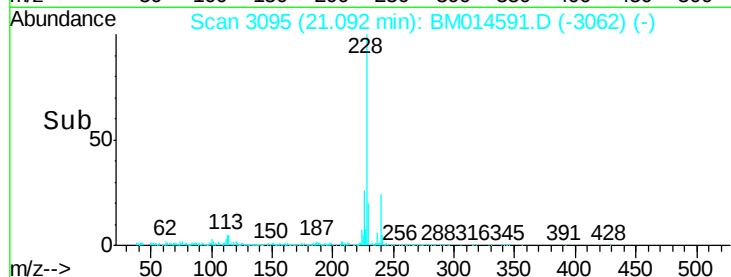
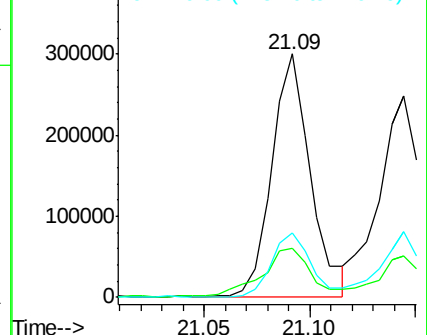
226 26.6 21.4 32.0



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



#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

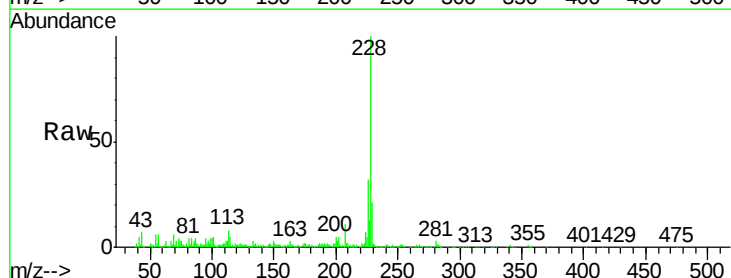
Tgt Ion:228 Resp: 335801

Ion Ratio Lower Upper

228 100

226 32.4 23.4 35.2

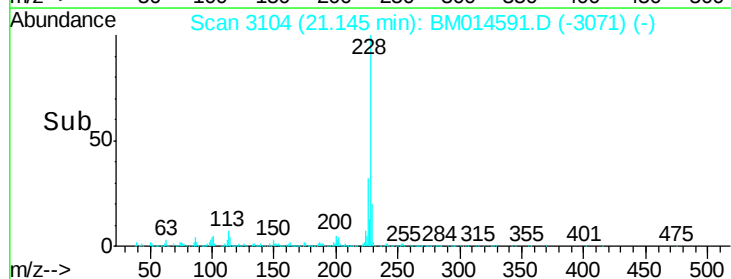
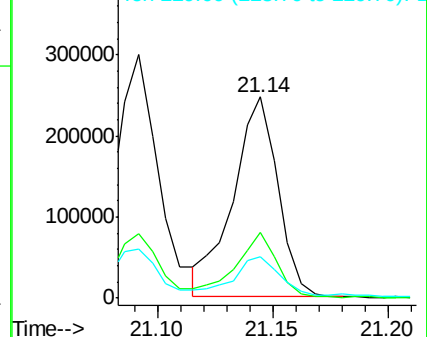
229 20.6 15.5 23.3

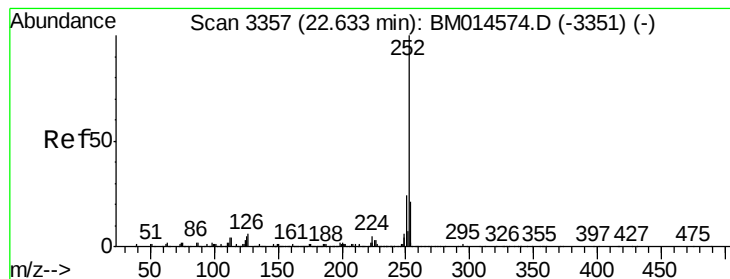


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#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

ClientSampleId :

BEL24

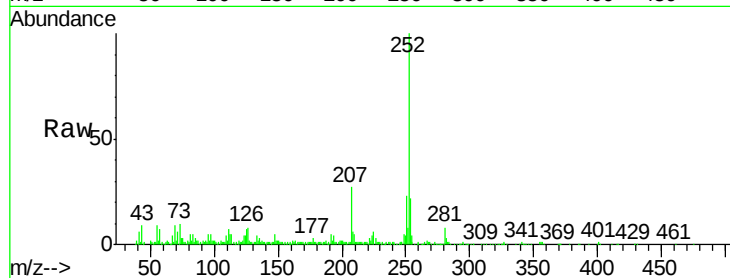
Tgt Ion:252 Resp: 401016

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

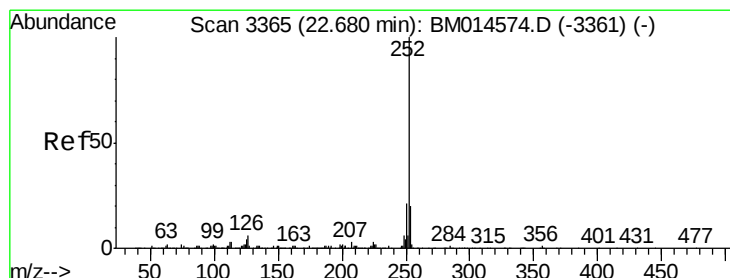
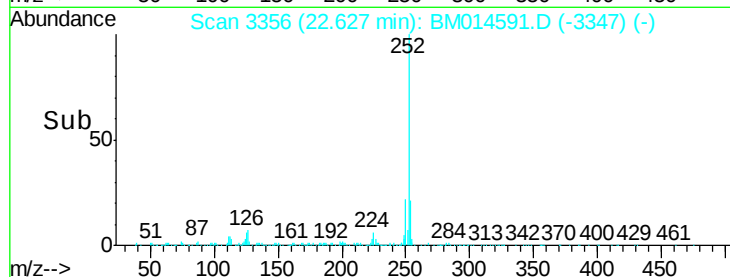
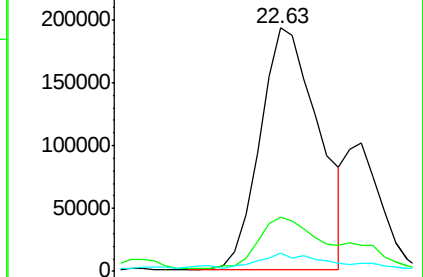
125 7.4 3.6 5.4#



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

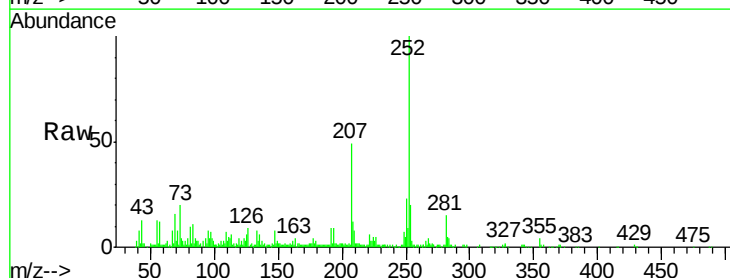
Tgt Ion:252 Resp: 122950

Ion Ratio Lower Upper

252 100

253 20.0 17.1 25.7

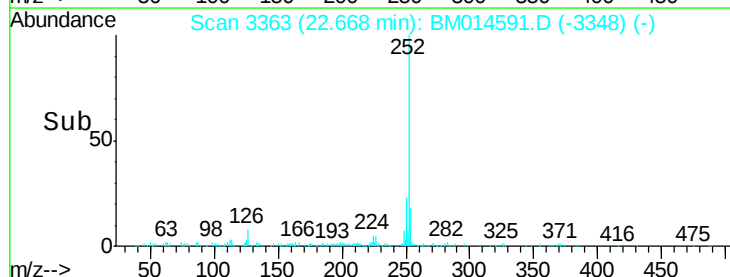
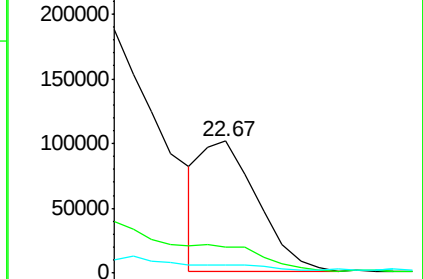
125 6.4 3.4 5.2#

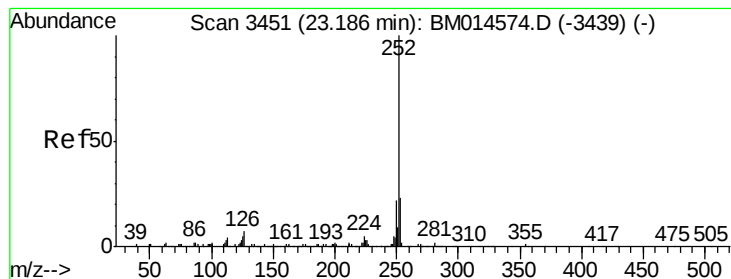


Abundance Ion 252.00 (251.70 to 252.70): E

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

ClientSampleId :

BEL24

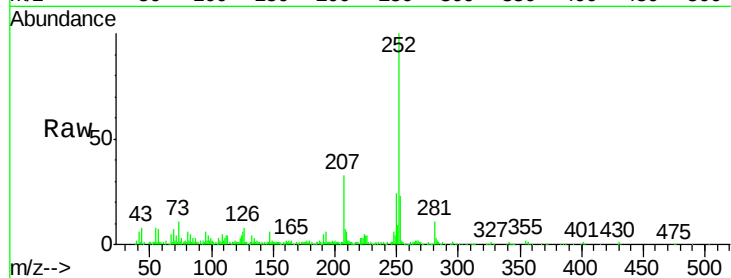
Tgt Ion:252 Resp: 263916

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

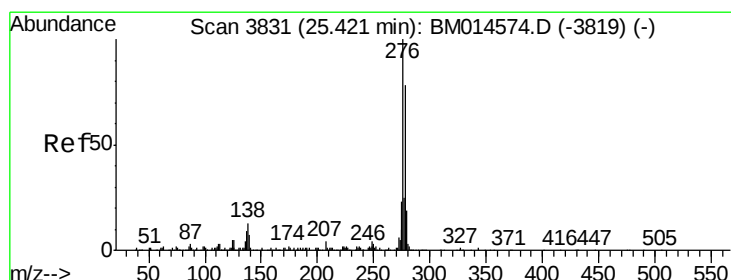
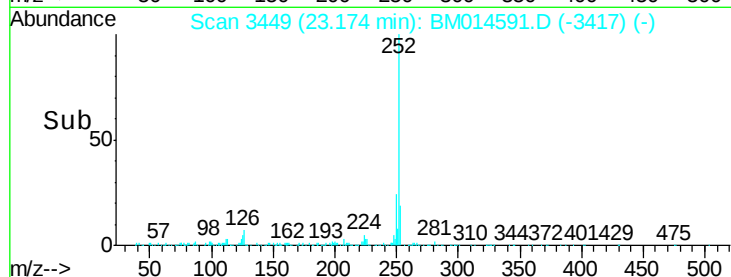
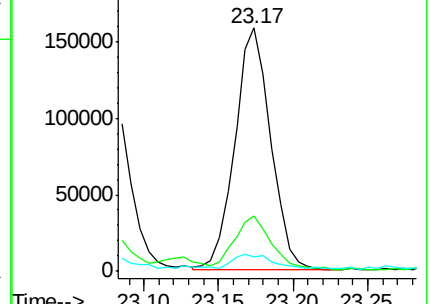
125 6.1 4.0 6.0#



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



#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

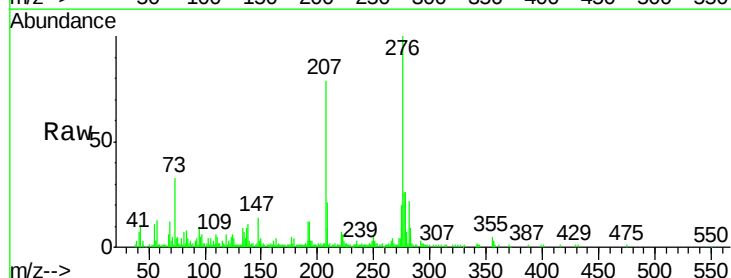
Tgt Ion:276 Resp: 173551

Ion Ratio Lower Upper

276 100

138 10.8 9.3 13.9

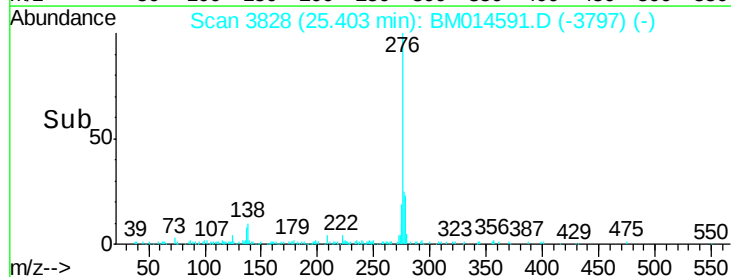
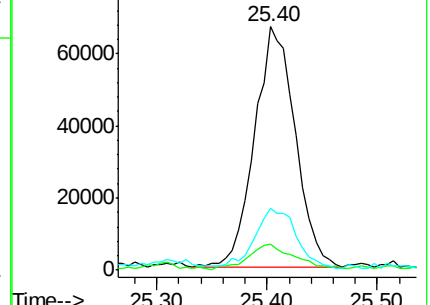
277 25.6 19.9 29.9

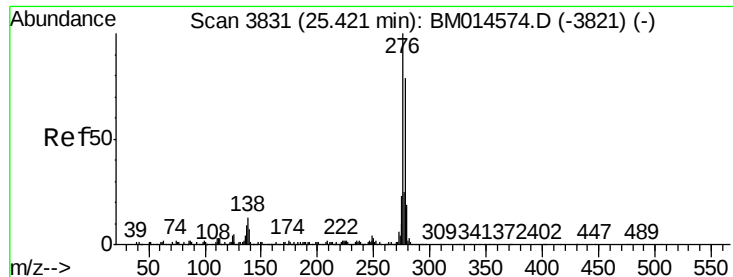


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#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

ClientSampleId :

BEL24

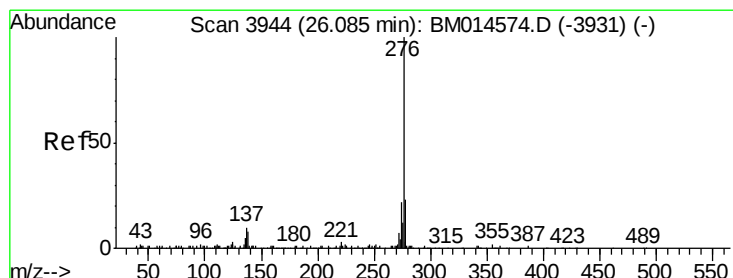
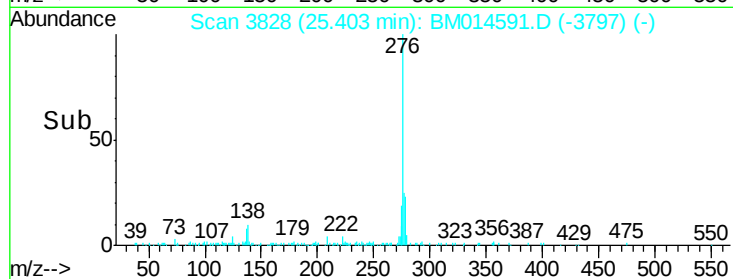
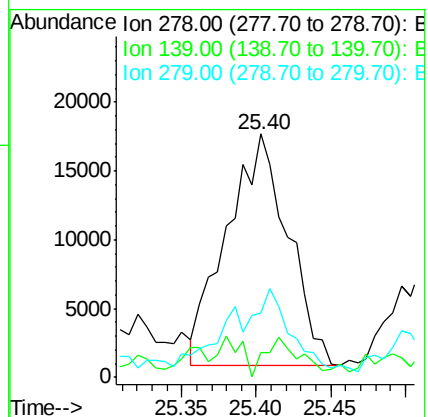
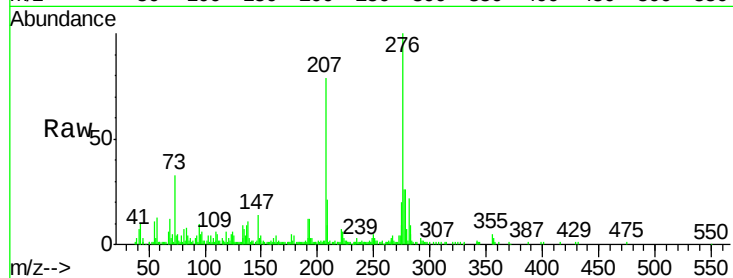
Tgt Ion:278 Resp: 48150

Ion Ratio Lower Upper

278 100

139 10.0 5.8 8.8#

279 26.7 18.6 27.8



#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

