

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM032118\
 Data File : BM014649.D
 Acq On : 21 Mar 2018 19:55
 Operator : SJ/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 22 01:50:55 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:49:10 2018
 Response via : Initial Calibration

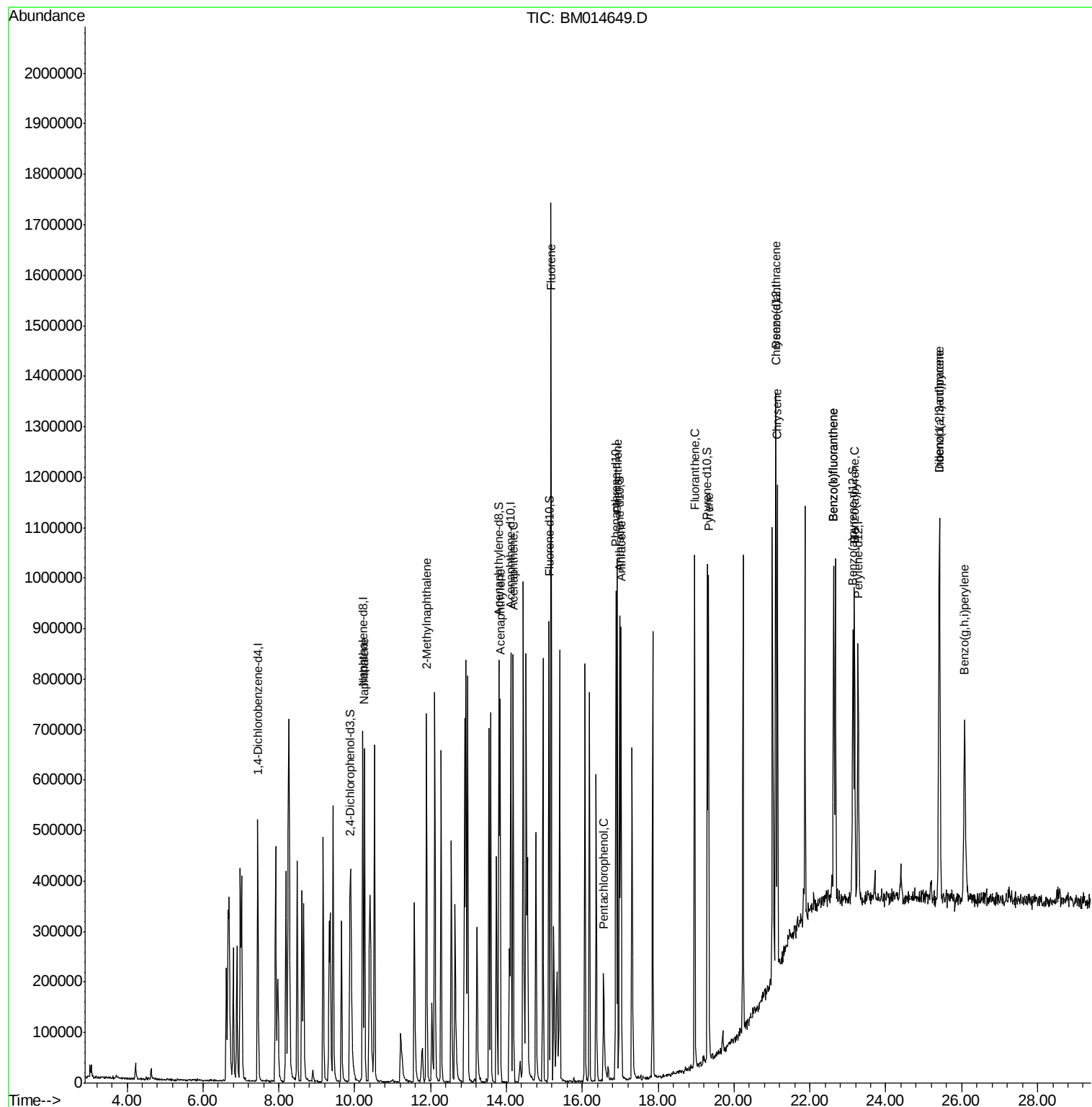
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	122887	20.00	ng/ul	0.00
2) Naphthalene-d8	10.21	136	468416	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	236384	20.00	ng/ul	-0.01
12) Phenanthrene-d10	16.88	188	492981	20.00	ng/ul	0.00
18) Chrysene-d12	21.11	240	373910	20.00	ng/ul	0.00
23) Perylene-d12	23.27	264	329913	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.87	165	137687	19.02	ng/ul	0.00
7) Acenaphthylene-d8	13.80	160	497165	19.68	ng/ul	0.00
10) Fluorene-d10	15.12	176	306909	18.54	ng/ul	0.00
15) Anthracene-d10	16.99	188	449342	19.04	ng/ul	0.00
19) Pyrene-d10	19.30	212	442150	19.67	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.13	264	314975	19.74	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.26	128	455124	19.130	ng/ul	99
5) 2-Methylnaphthalene	11.89	142	310419	18.647	ng/ul	92
8) Acenaphthylene	13.83	152	451703	19.264	ng/ul	99
9) Acenaphthene	14.17	153	311263	19.396	ng/ul	96
11) Fluorene	15.18	166	345307	18.159	ng/ul	96
13) Pentachlorophenol	16.56	266	40249	17.836	ng/ul	92
14) Phenanthrene	16.93	178	534391	19.356	ng/ul	98
16) Anthracene	17.02	178	512770	18.580	ng/ul	96
17) Fluoranthene	18.96	202	561747	17.925	ng/ul#	97
20) Pyrene	19.33	202	537008	19.096	ng/ul#	96
21) Benzo(a)anthracene	21.09	228	445995	18.862	ng/ul	99
22) Chrysene	21.14	228	406641	18.704	ng/ul	98
24) Benzo(b)fluoranthene	22.63	252	394607	19.025	ng/ul	99
25) Benzo(k)fluoranthene	22.63	252	394607	20.025	ng/ul	98
27) Benzo(a)pyrene	23.17	252	392622	19.942	ng/ul#	98
28) Indeno(1,2,3-cd)pyrene	25.42	276	457658	20.197	ng/ul	98
29) Dibenzo(a,h)anthracene	25.41	278	387631	20.438	ng/ul	99
30) Benzo(g,h,i)perylene	26.07	276	369614	20.477	ng/ul	98

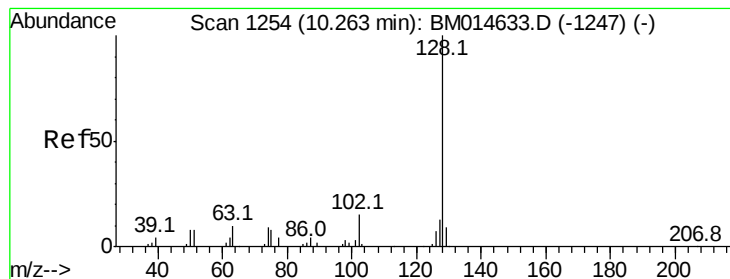
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 22 01:49:10 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 19.130 ng/ul

RT: 10.26 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

Instrument :

BNA_M

ClientSampleId :

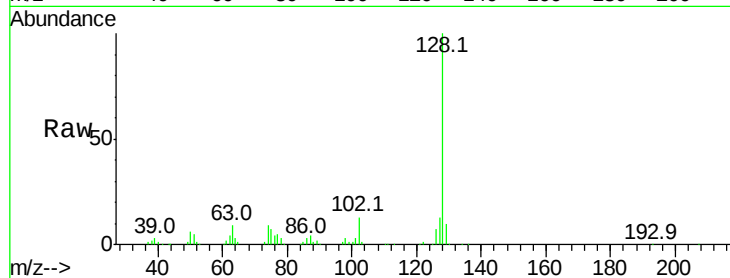
Tot Ion:128 Resp: 455124

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

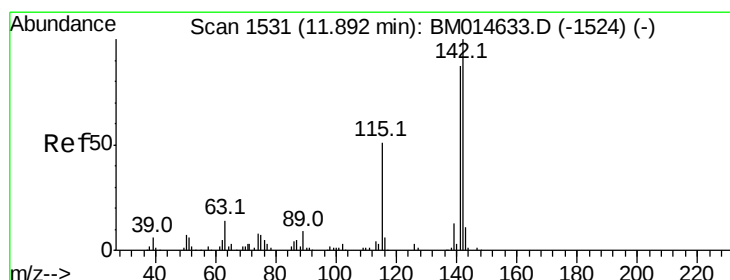
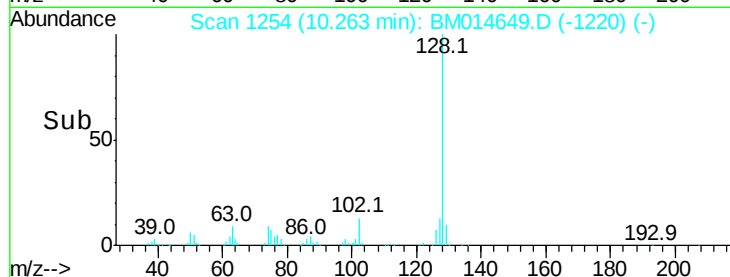
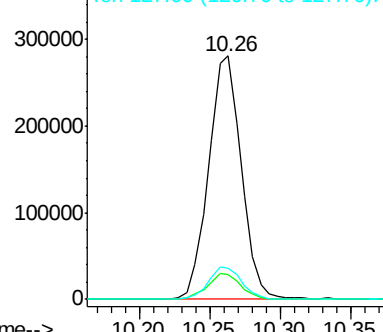
127 13.0 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 18.647 ng/ul

RT: 11.89 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BM014649.D

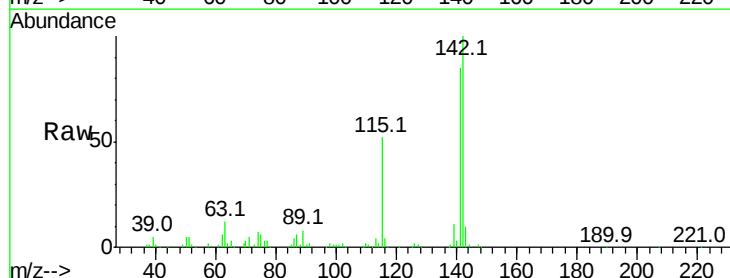
Acq: 21 Mar 2018 19:55

Tgt Ion:142 Resp: 310419

Ion Ratio Lower Upper

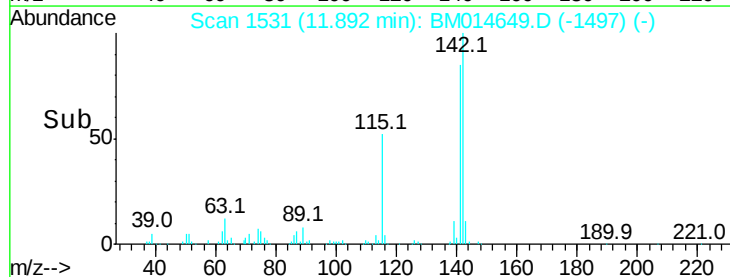
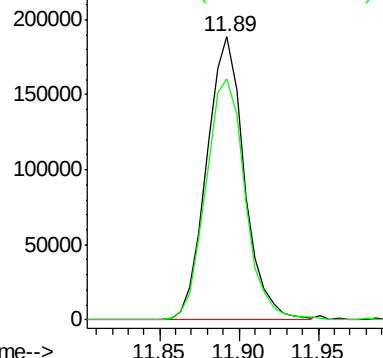
142 100

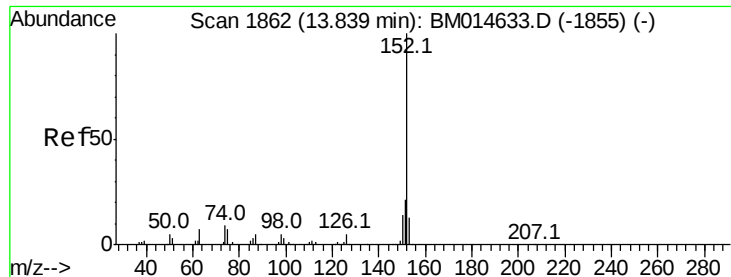
141 85.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.264 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

Instrument :

BNA_M

ClientSampleId :

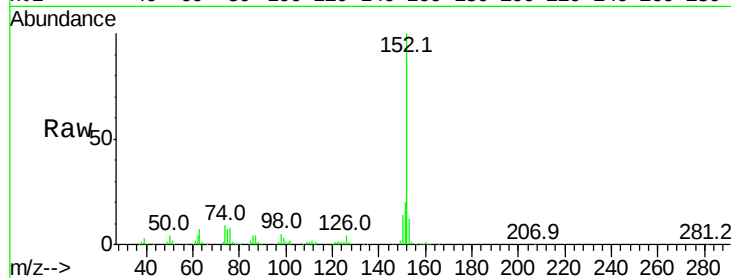
Tot Ion:152 Resp: 451703

Ion Ratio Lower Upper

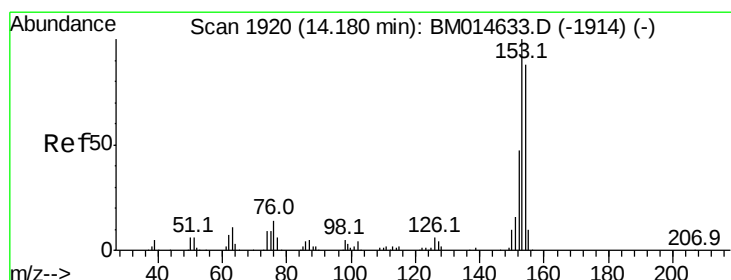
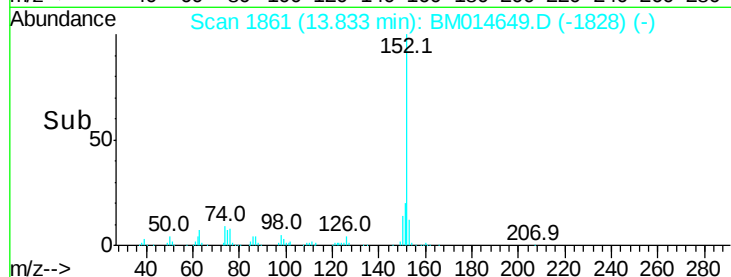
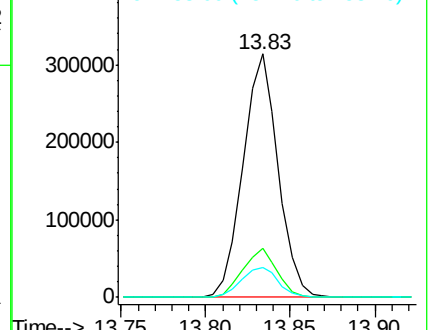
152 100

151 20.2 16.3 24.5

153 12.0 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 19.396 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

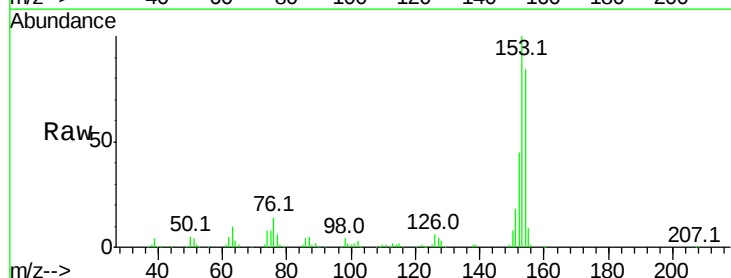
Tgt Ion:153 Resp: 311263

Ion Ratio Lower Upper

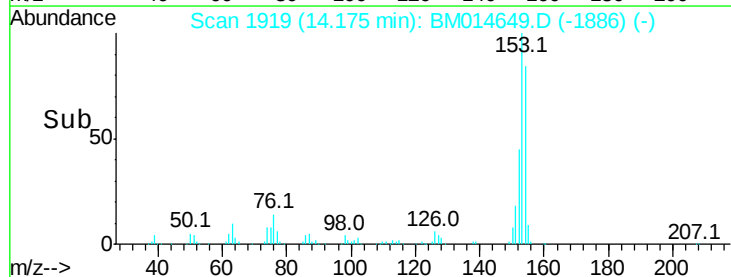
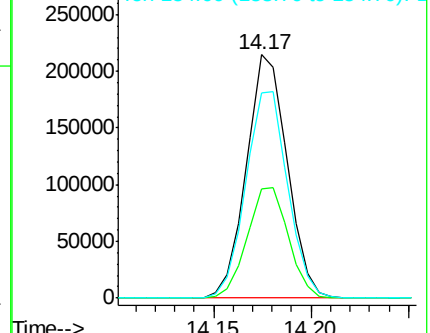
153 100

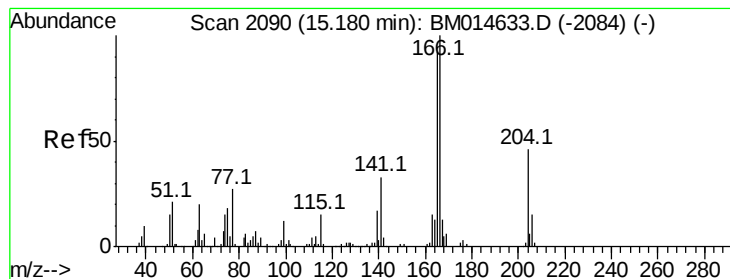
152 44.7 37.6 56.4

154 84.4 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: 18.159 ng/ul

RT: 15.18 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

Instrument :

BNA_M

ClientSampleId :

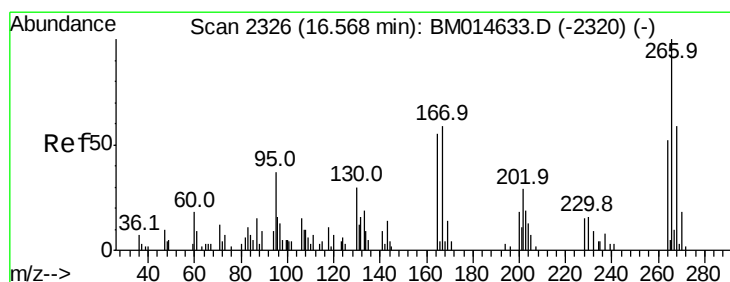
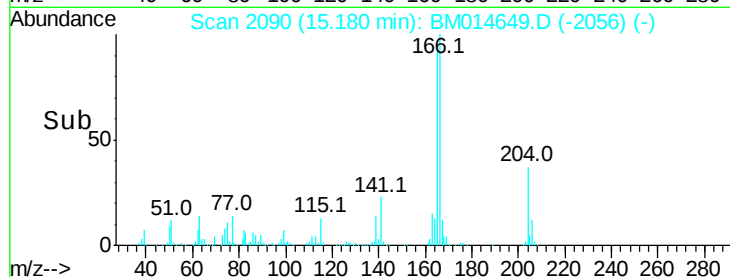
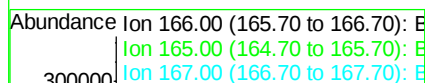
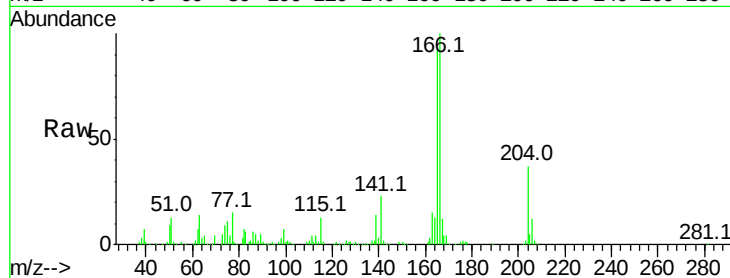
Tot Ion:166 Resp: 345307

Ion Ratio Lower Upper

166 100

165 93.1 77.9 116.9

167 12.1 10.6 16.0



#13

Pentachlorophenol

Concen: 17.836 ng/ul

RT: 16.56 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

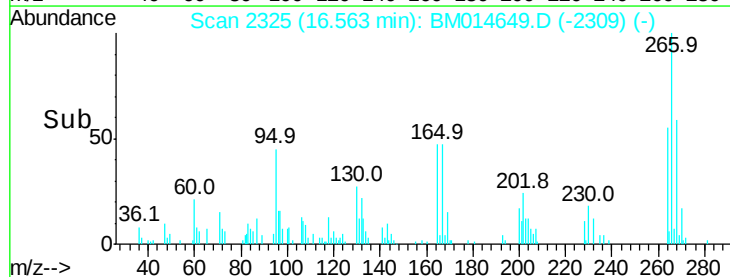
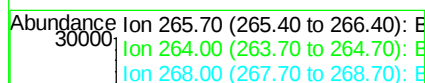
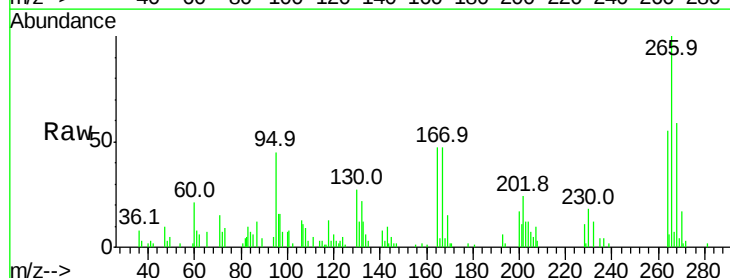
Tgt Ion:266 Resp: 40249

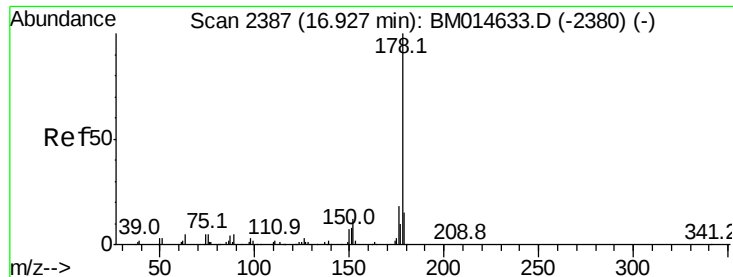
Ion Ratio Lower Upper

266 100

264 54.6 49.3 73.9

268 59.5 52.6 78.8





#14

Phenanthrene

Concen: 19.356 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

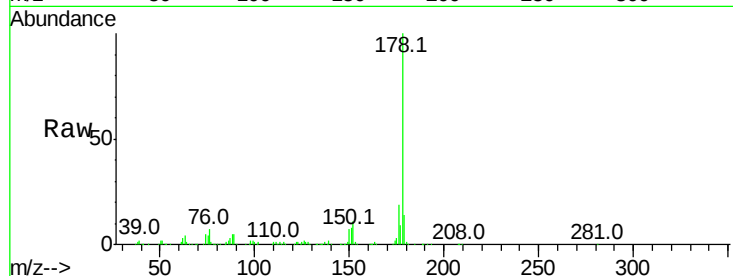
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 534391

Ion	Ratio	Lower	Upper
178	100		
179	14.0	12.6	19.0
176	19.0	14.9	22.3

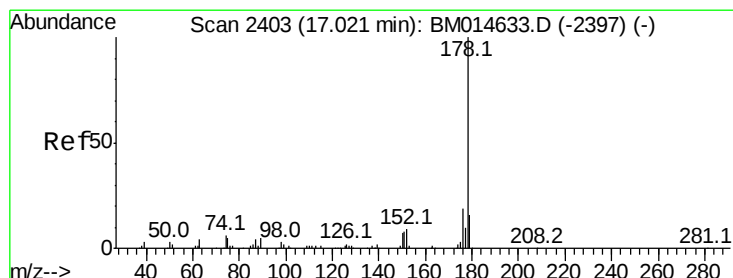
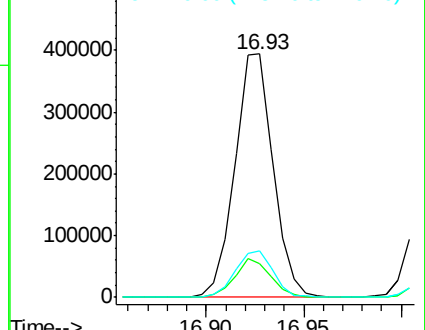
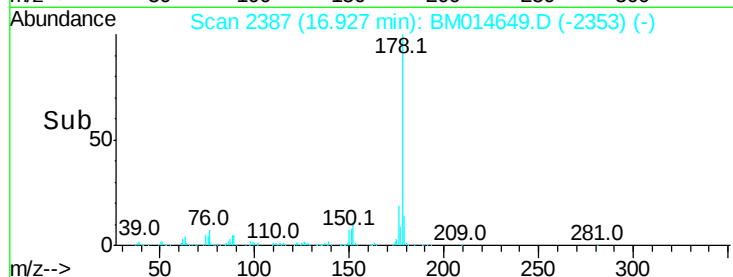


Abundance

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: 18.580 ng/ul

RT: 17.02 min Scan# 2403

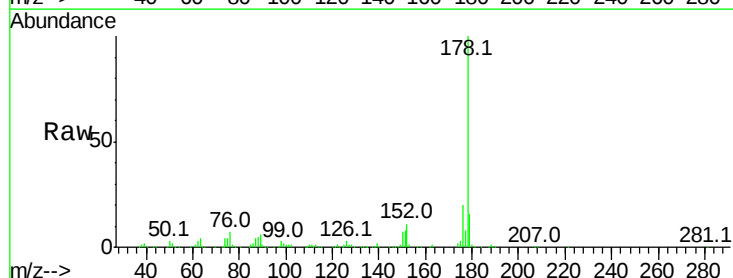
Delta R.T. 0.00 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

Tgt Ion:178 Resp: 512770

Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.7	17.5
176	20.0	14.6	21.8

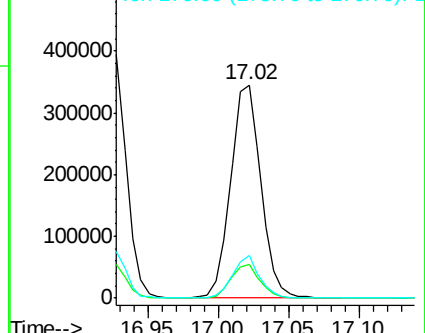
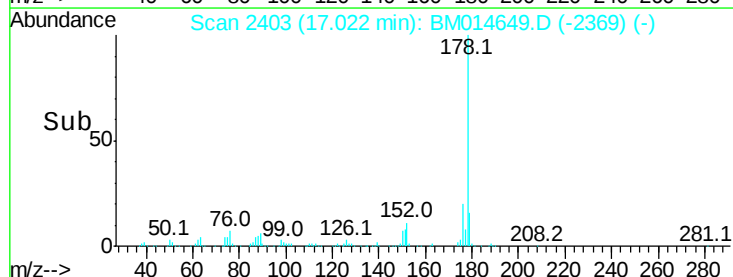


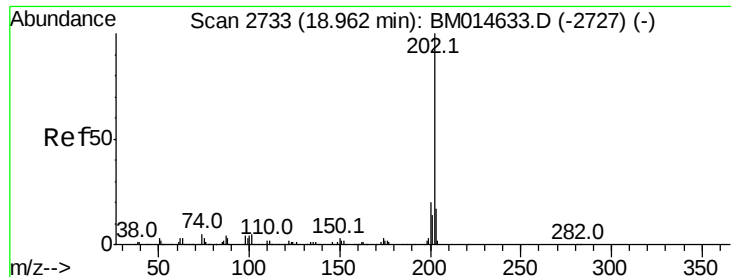
Abundance

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

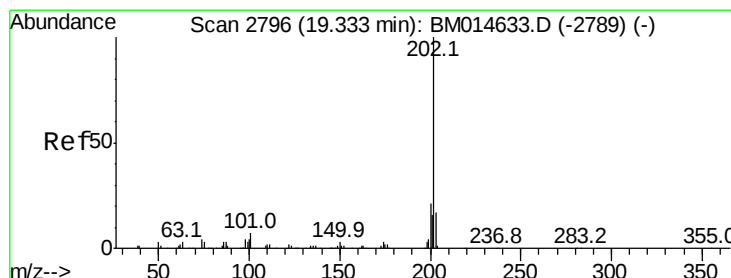
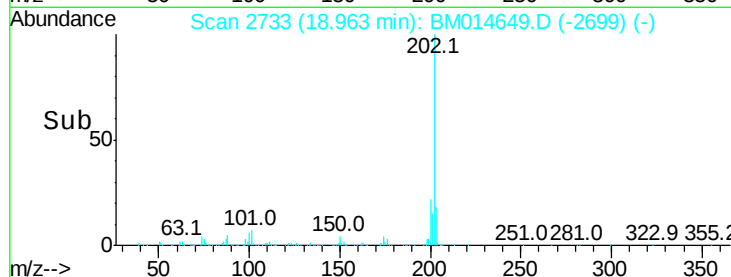
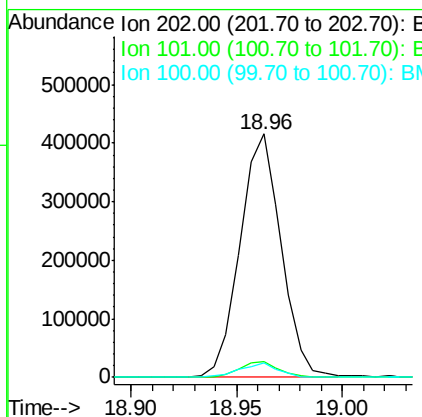
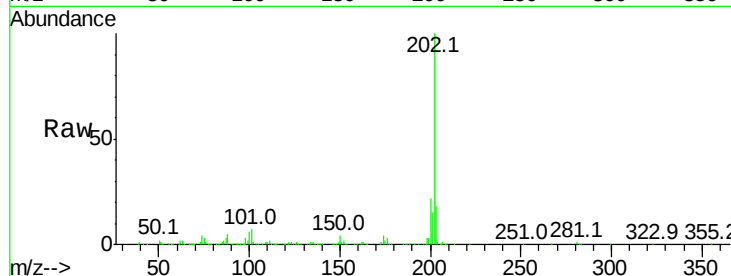




#17
Fluoranthene
 Concen: 17.925 ng/ul
 RT: 18.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BM014649.D
 Acq: 21 Mar 2018 19:55

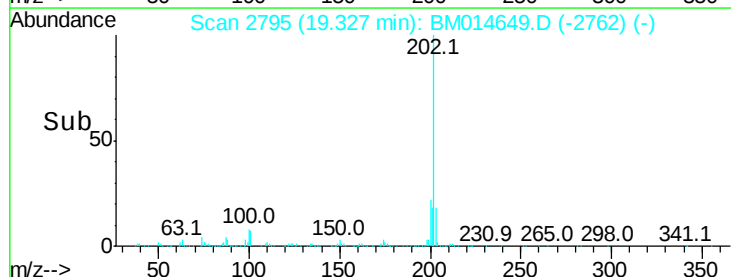
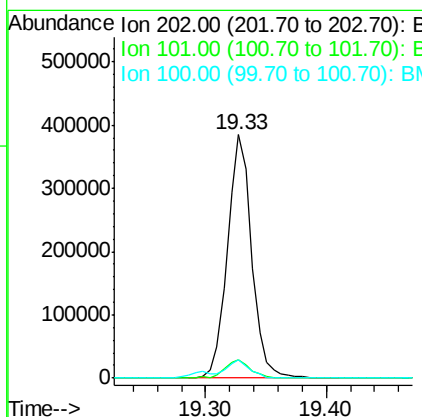
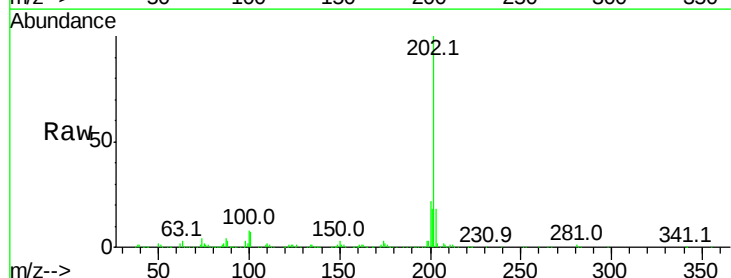
Instrument :
 BNA_M
 ClientSampleId :

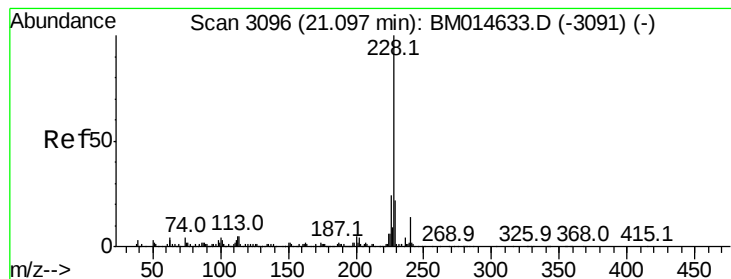
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.6	4.6	7.0
100	5.8	3.4	5.2



#20
Pyrene
 Concen: 19.096 ng/ul
 RT: 19.33 min Scan# 2795
 Delta R.T. -0.01 min
 Lab File: BM014649.D
 Acq: 21 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	5.1	7.7
100	7.8	4.9	7.3





#21

Benzo(a)anthracene

Concen: 18.862 ng/ul

RT: 21.09 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

Instrument :

BNA_M

ClientSampled :

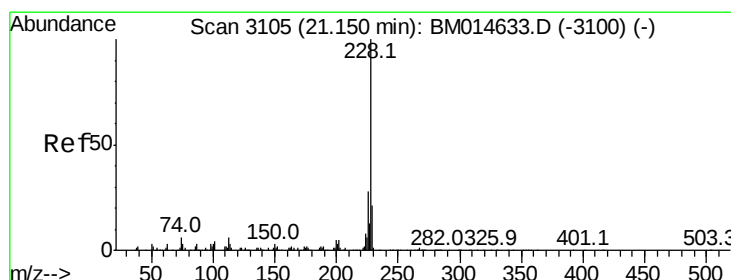
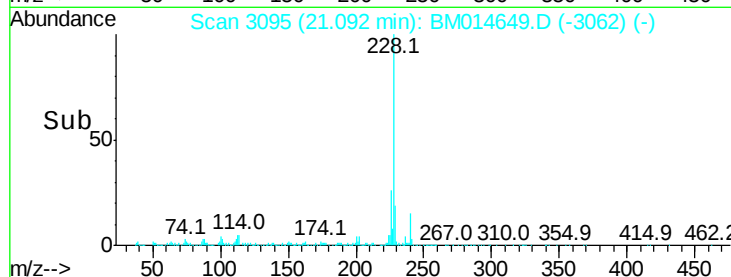
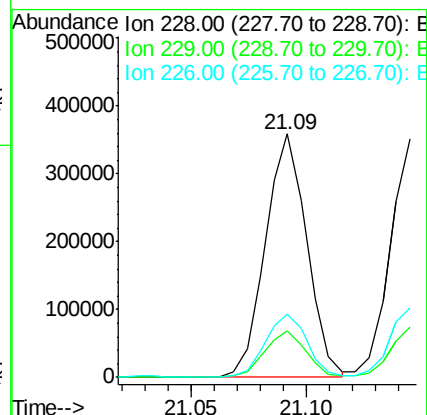
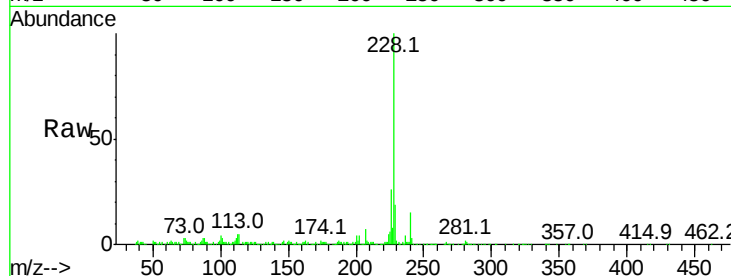
Tot Ion:228 Resp: 445995

Ion Ratio Lower Upper

228 100

229 19.2 15.4 23.0

226 26.0 21.4 32.0



#22

Chrysene

Concen: 18.704 ng/ul

RT: 21.14 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

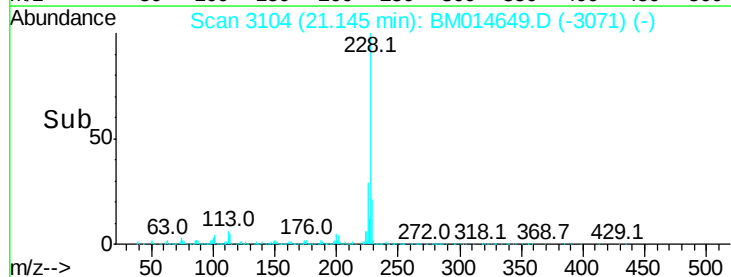
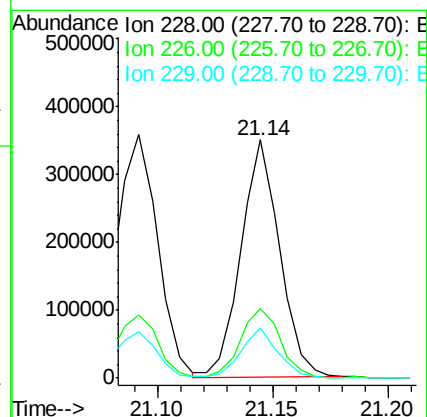
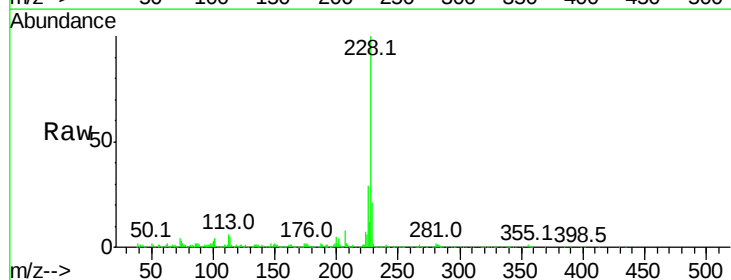
Tgt Ion:228 Resp: 406641

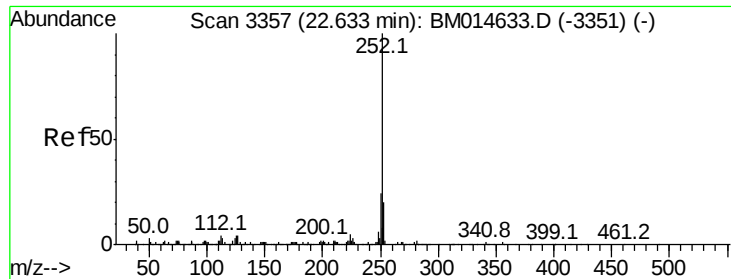
Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.2

229 21.1 15.5 23.3





#24

Benzo(b)fluoranthene

Concen: 19.025 ng/u1

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

Instrument :

BNA_M

ClientSampleId :

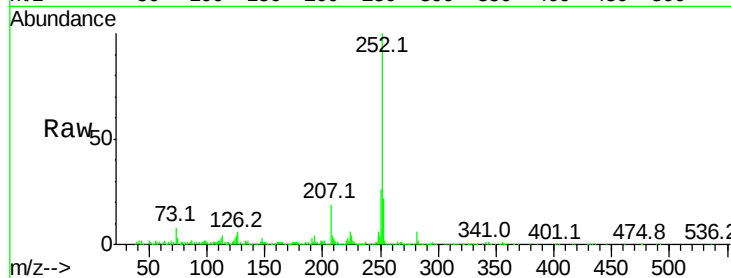
Tot Ion:252 Resp: 394607

Ion Ratio Lower Upper

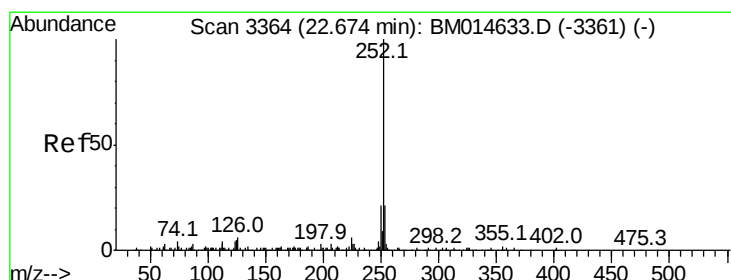
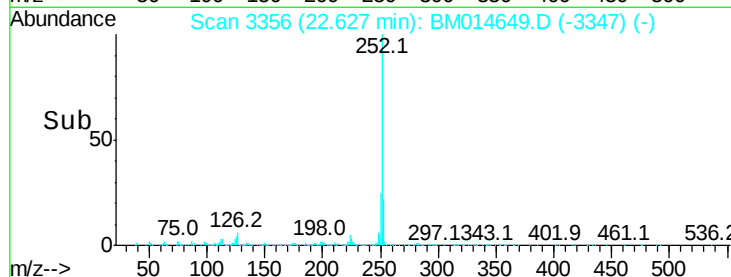
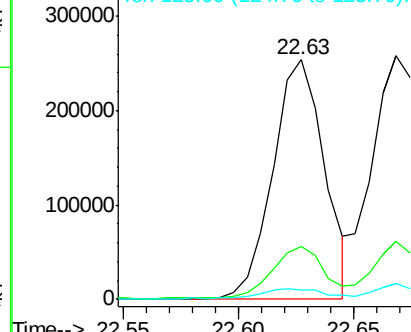
252 100

253 22.2 17.9 26.9

125 4.0 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: 20.025 ng/u1

RT: 22.63 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

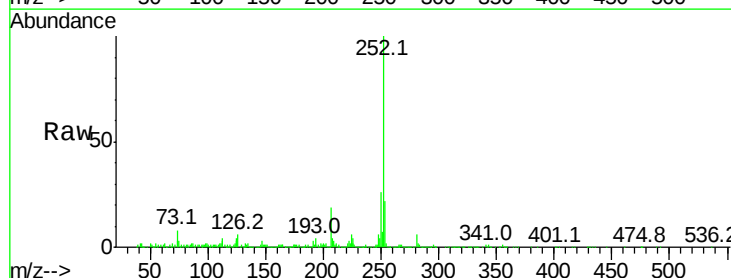
Tgt Ion:252 Resp: 394607

Ion Ratio Lower Upper

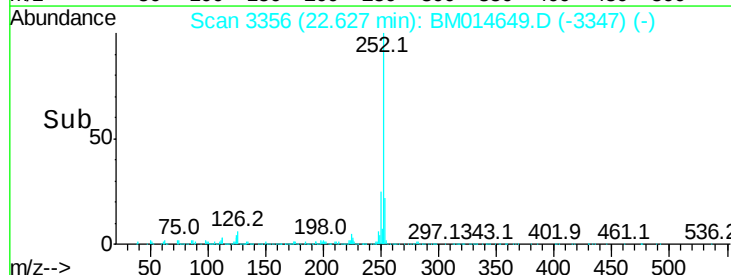
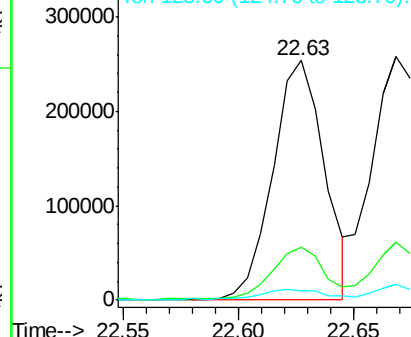
252 100

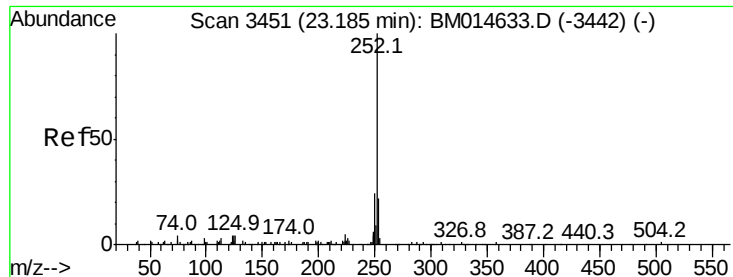
253 22.2 17.1 25.7

125 4.0 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: 19.942 ng/ul

RT: 23.17 min Scan# 3449

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

Instrument :

BNA_M

ClientSampleId :

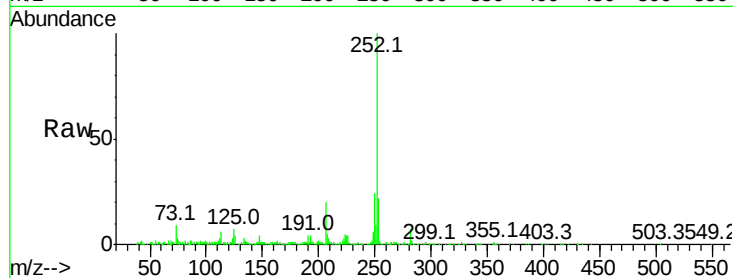
Tot Ion:252 Resp: 392622

Ion Ratio Lower Upper

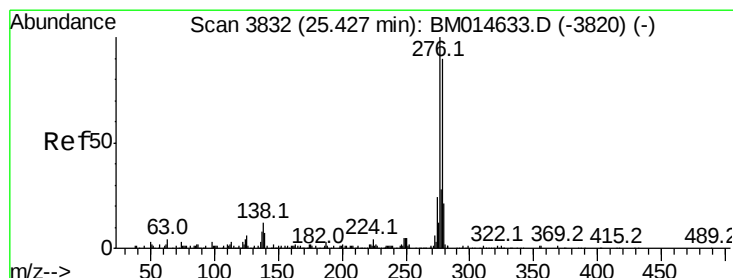
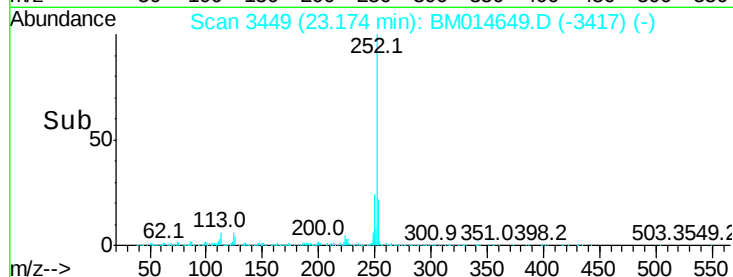
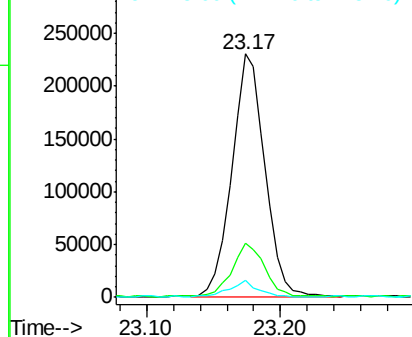
252 100

253 22.2 18.2 27.2

125 6.8 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: 20.197 ng/ul

RT: 25.42 min Scan# 3830

Delta R.T. -0.01 min

Lab File: BM014649.D

Acq: 21 Mar 2018 19:55

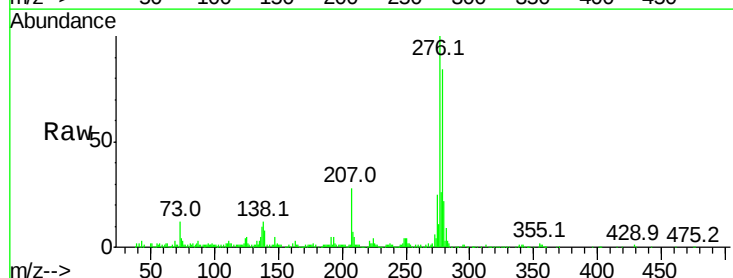
Tgt Ion:276 Resp: 457658

Ion Ratio Lower Upper

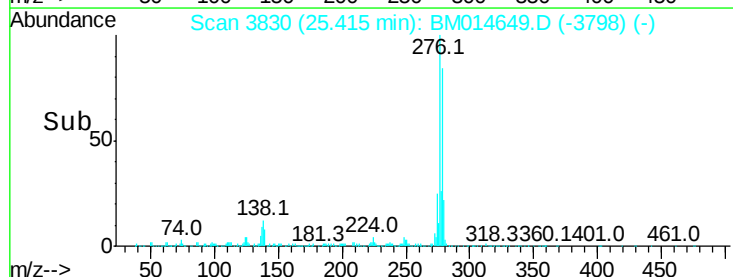
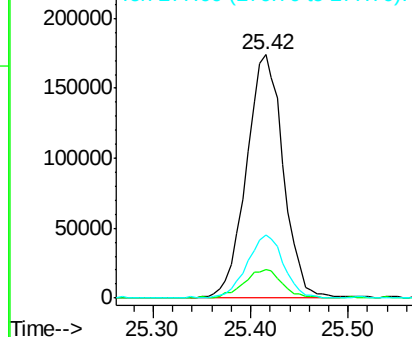
276 100

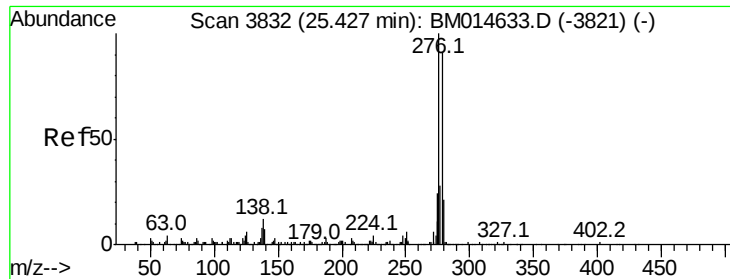
138 11.9 9.3 13.9

277 25.8 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



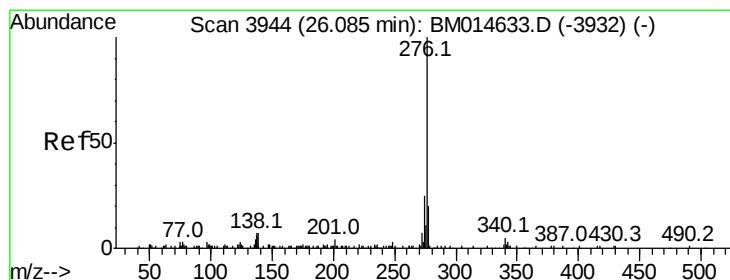
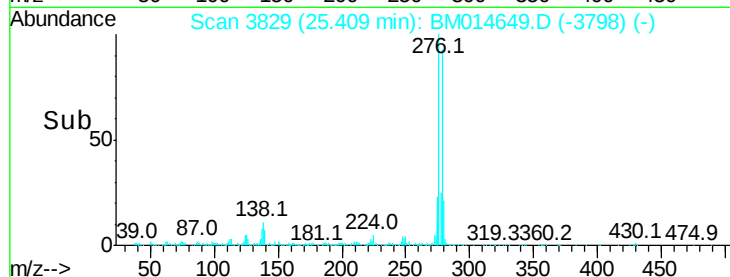
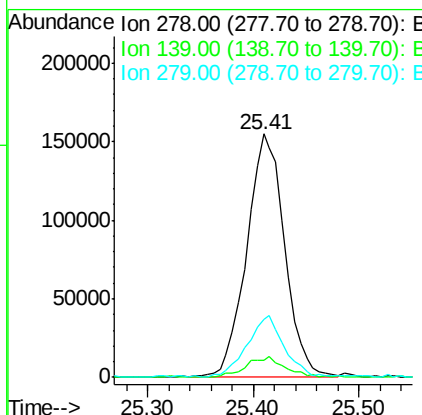
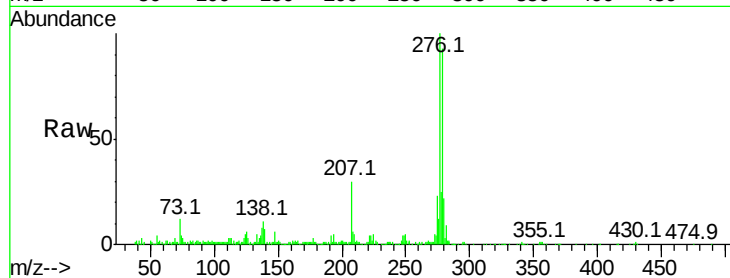


#29

Dibenzo(a,h)anthracene
 Concen: 20.438 ng/ul
 RT: 25.41 min Scan# 3829
 Delta R.T. -0.02 min
 Lab File: BM014649.D
 Acq: 21 Mar 2018 19:55

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.1	5.8	8.8
279	23.6	18.6	27.8



#30

Benzo(g,h,i)perylene
 Concen: 20.477 ng/ul
 RT: 26.07 min Scan# 3942
 Delta R.T. -0.01 min
 Lab File: BM014649.D
 Acq: 21 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.5	8.5	12.7
277	22.3	18.6	28.0

