

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014789.D
 Acq On : 23 Apr 2018 23:04
 Operator : SJ/JU
 Sample : J2431-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 02:17:12 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	336770	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1426447	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	742742	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1549436	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1585707	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1658511	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	50858	6.59	ng/uL	0.00
5) Phenol-d5	7.65	99	879477	33.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	609075	36.48	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	740343	33.99	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	685076	33.00	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	349250	33.86	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	361357	35.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	648504	31.08	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	935111	45.40	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1958744	33.78	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	2332068	32.57	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	245714	22.83	ng/ul	0.00
57) Fluorene-d10	16.10	176	1660456	32.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	175005	20.87	ng/ul	0.00
70) Anthracene-d10	17.94	188	2441462	33.81	ng/ul	0.00
76) Pyrene-d10	20.17	212	2643213	35.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	2974527	36.51	ng/ul	0.00

Target Compounds

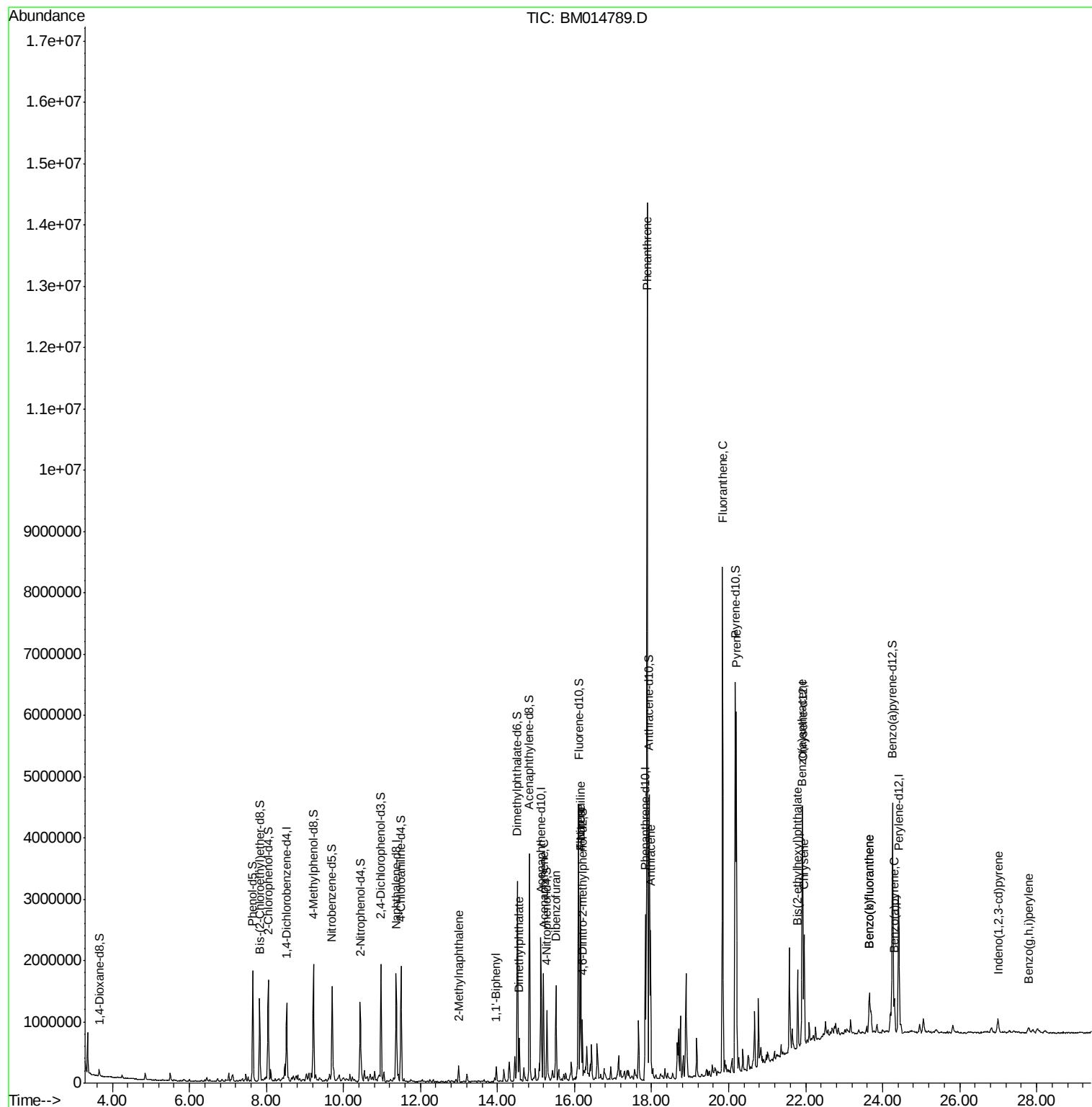
					Ovalue	
34) 2-Methylnaphthalene	12.99	142	118034	2.445	ng/ul	97
40) 1,1'-Biphenyl	13.97	154	115689	1.937	ng/ul#	98
44) Dimethylphthalate	14.56	163	380381	6.787	ng/ul	99
49) Acenaphthene	15.19	153	646203	13.109	ng/ul	98
53) Dibenzofuran	15.52	168	903333	13.197	ng/ul	100
58) Fluorene	16.16	166	1295887	23.446	ng/ul	99
60) 4-Nitroaniline	16.16	138	15843	1.343	ng/ul#	13
69) Phenanthrene	17.89	178	8054723	96.798	ng/ul	98
71) Anthracene	17.97	178	1420580	16.822	ng/ul	98
74) Fluoranthene	19.84	202	4729138	52.128	ng/ul#	81
77) Pyrene	20.20	202	3332431	35.968	ng/ul#	79
80) Benzo(a)anthracene	21.91	228	1058223	11.412	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.79	149	379848	6.846	ng/ul#	96
82) Chrysene	21.96	228	943085	10.864	ng/ul	98
85) Benzo(b)fluoranthene	23.66	252	614005	6.280	ng/ul#	96
86) Benzo(k)fluoranthene	23.66	252	614005	6.531	ng/ul#	94
88) Benzo(a)pyrene	24.31	252	411807	4.440	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.99	276	142280	1.268	ng/ul#	87
91) Benzo(g,h,i)perylene	27.79	276	104448	1.132	ng/ul#	85

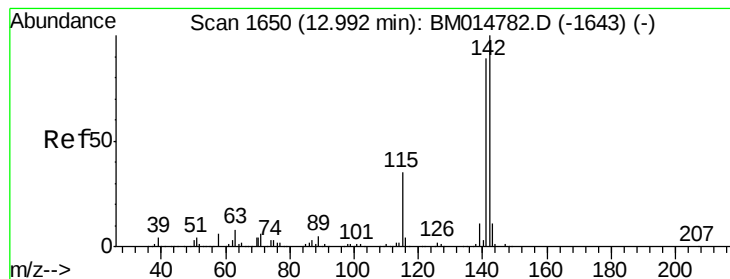
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#34

2-Methylnaphthalene

Concen: 2.445 ng/ul

RT: 12.99 min Scan# 1650

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

Instrument :

BNA_M

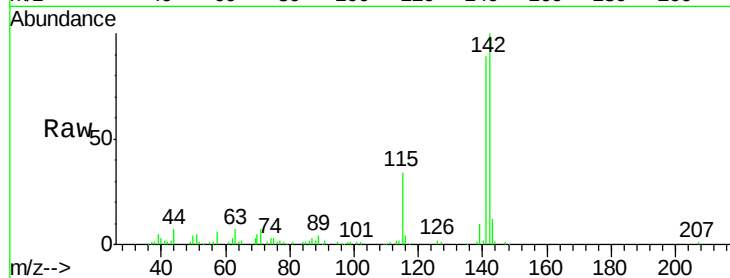
ClientSampleId :

Tot Ion:142 Resp: 118034

Ion Ratio Lower Upper

142 100

141 89.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

80000

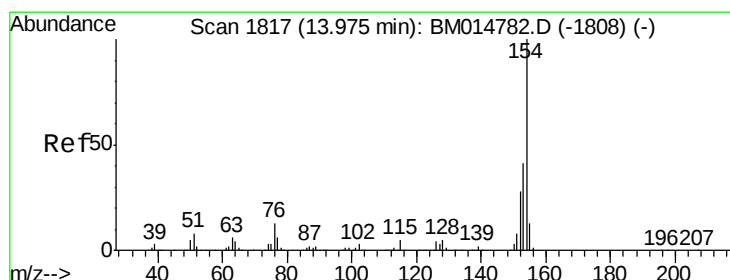
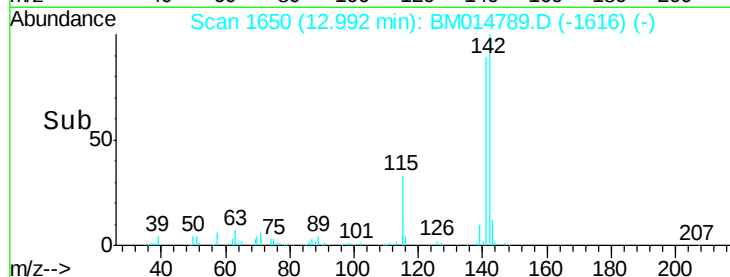
60000

40000

20000

0

Time--> 12.95 13.00 13.05



#40

1,1'-Biphenyl

Concen: 1.937 ng/ul

RT: 13.97 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

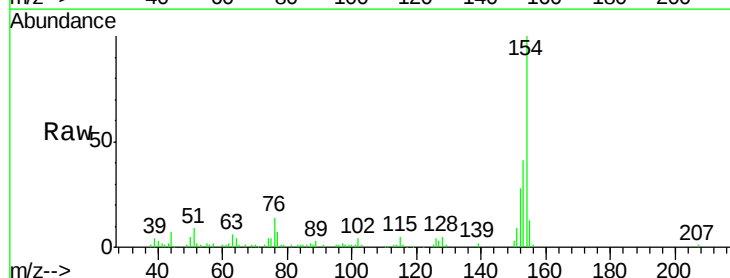
Tgt Ion:154 Resp: 115689

Ion Ratio Lower Upper

154 100

153 40.8 32.6 48.8

76 13.7 8.5 12.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

100000

80000

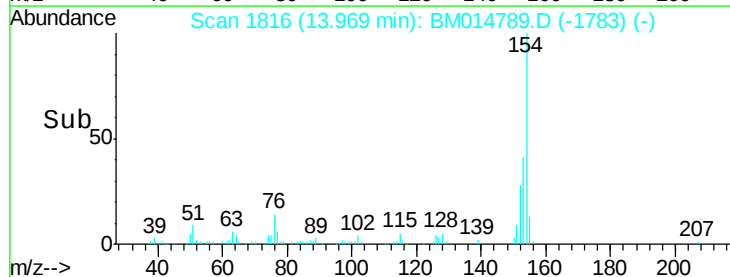
60000

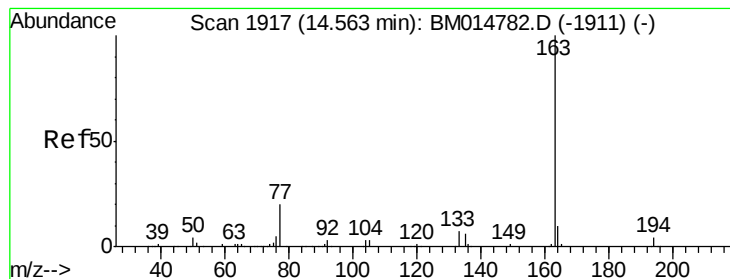
40000

20000

0

Time--> 13.95 14.00





#44

Dimethylphthalate

Concen: 6.787 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

Instrument :

BNA_M

ClientSampleId :

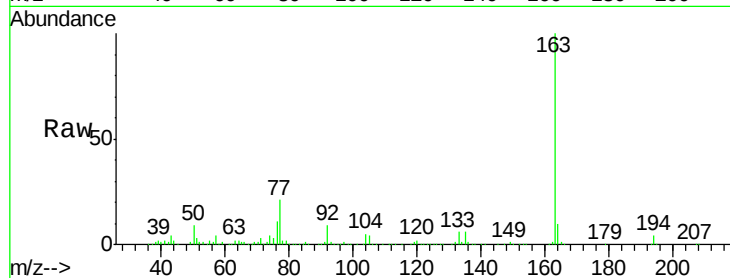
Tot Ion:163 Resp: 380381

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

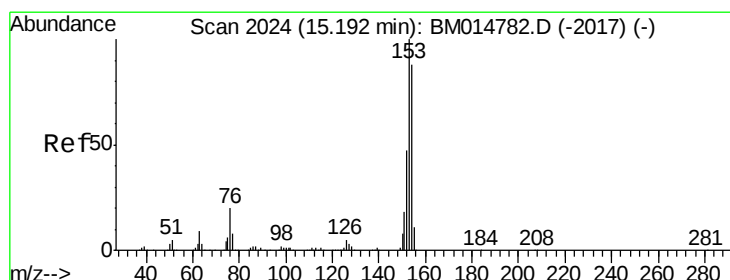
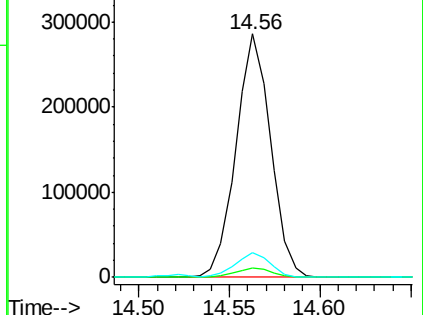
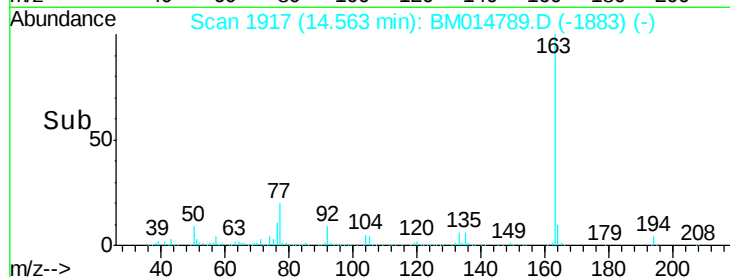
164 9.9 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 13.109 ng/ul

RT: 15.19 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

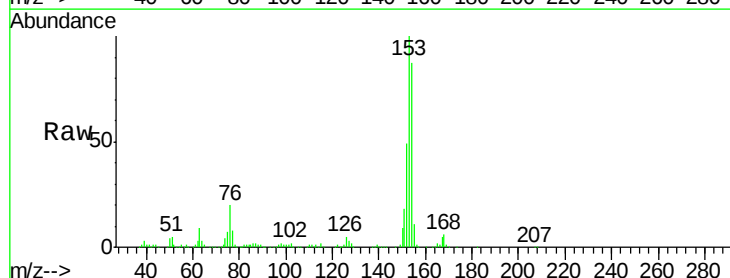
Tgt Ion:153 Resp: 646203

Ion Ratio Lower Upper

153 100

152 49.3 37.6 56.4

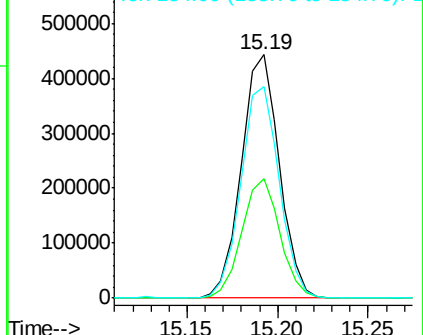
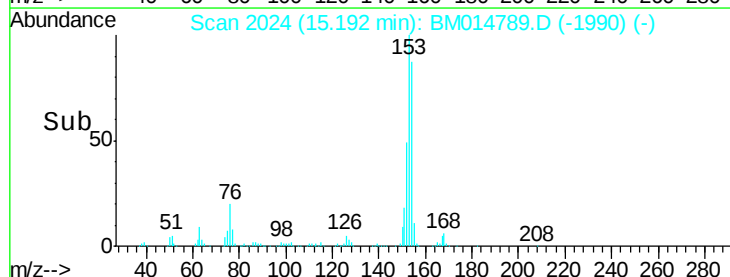
154 87.1 70.4 105.6

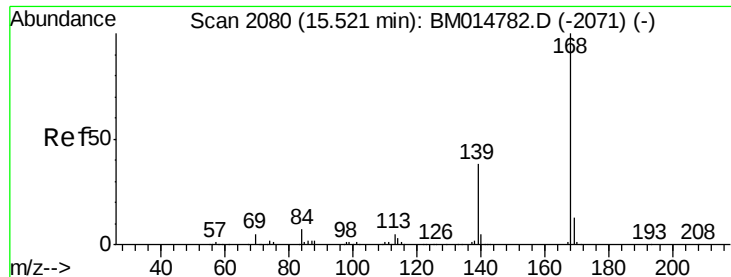


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

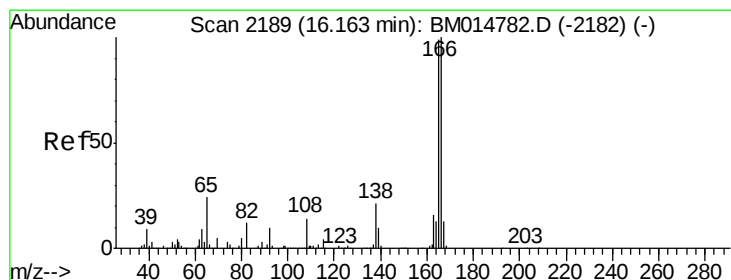
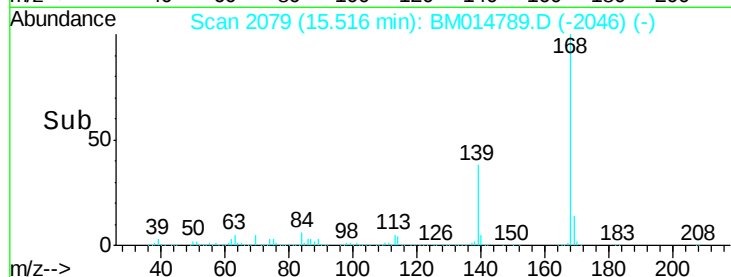
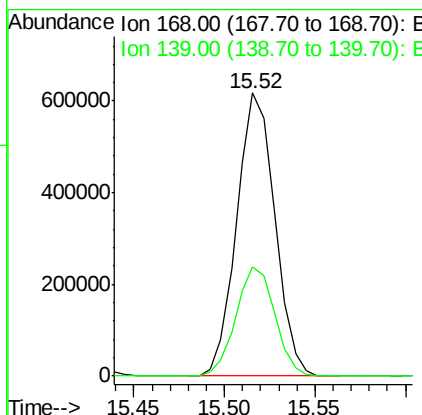
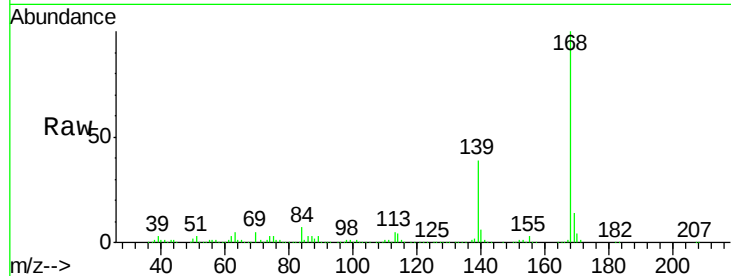




#53
Dibenzenofuran
Concen: 13.197 ng/ul
RT: 15.52 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BM014789.D
Acq: 23 Apr 2018 23:04

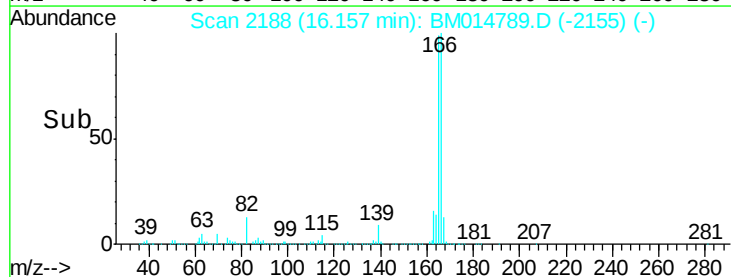
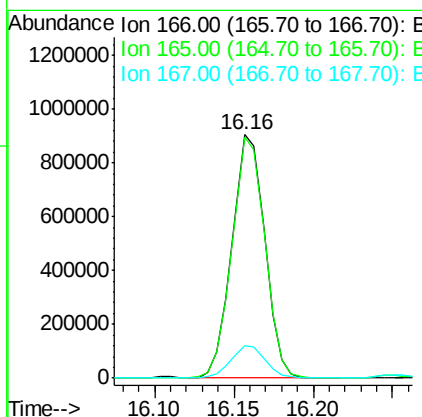
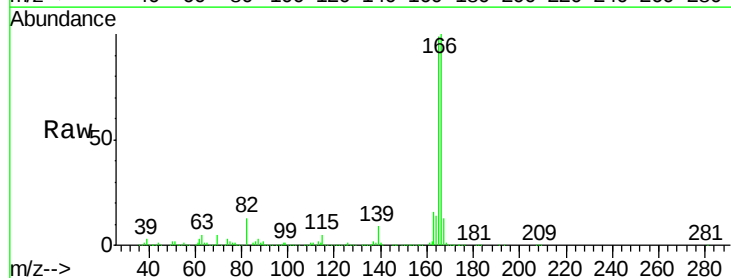
Instrument :
BNA_M
ClientSampleId :

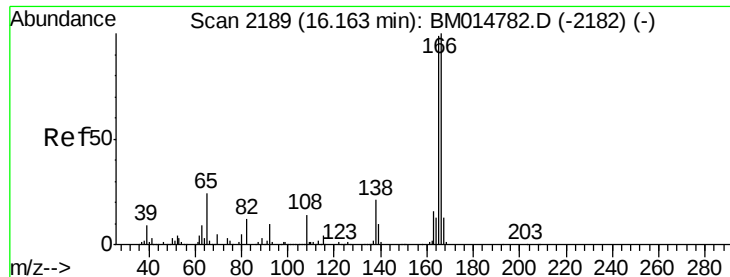
Tot Ion:168 Resp: 903333
Ion Ratio Lower Upper
168 100
139 38.7 30.8 46.2



#58
Fluorene
Concen: 23.446 ng/ul
RT: 16.16 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BM014789.D
Acq: 23 Apr 2018 23:04

Tgt Ion:166 Resp: 1295887
Ion Ratio Lower Upper
166 100
165 98.8 77.9 116.9
167 13.5 10.6 16.0





#60

4-Nitroaniline

Concen: 1.343 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

Instrument :

BNA_M

ClientSampleId :

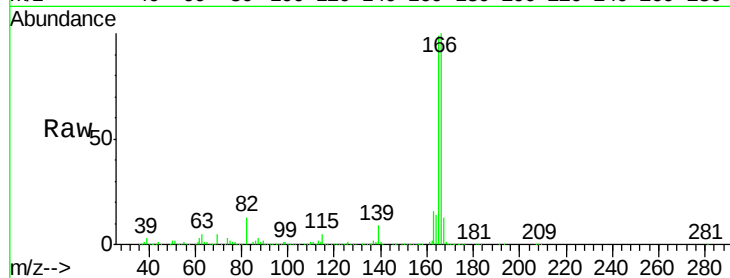
Tot Ion:138 Resp: 15843

Ion Ratio Lower Upper

138 100

92 3.3 40.0 60.0#

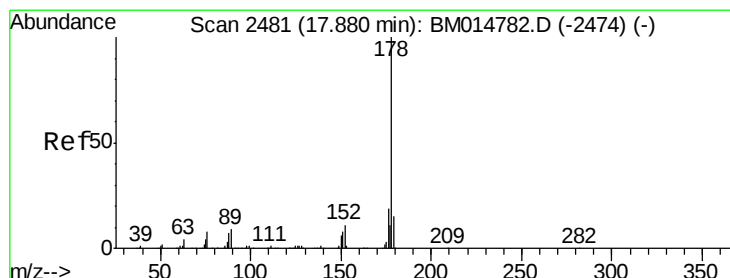
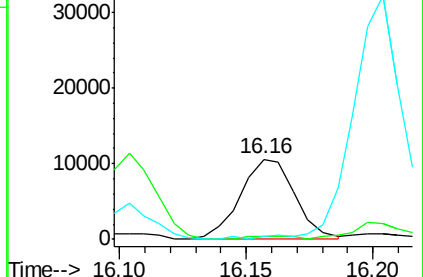
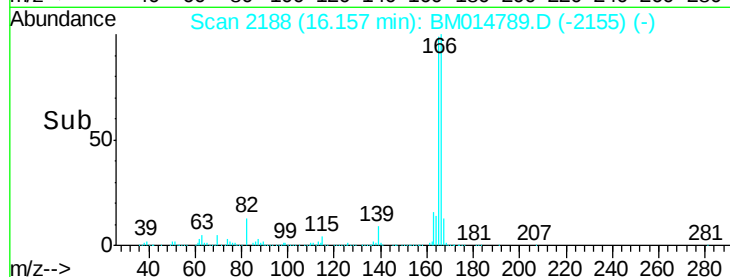
108 3.9 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM014789.D (-2155) (-)

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 96.798 ng/ul

RT: 17.89 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

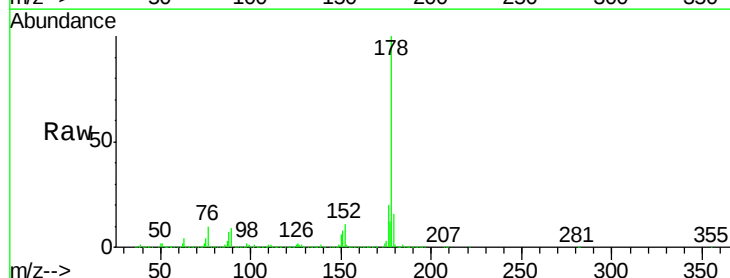
Tgt Ion:178 Resp: 8054723

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

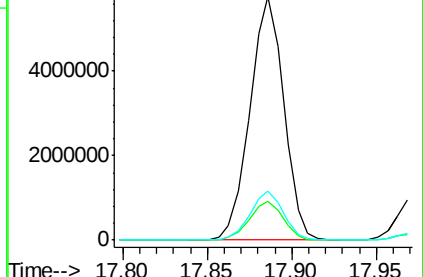
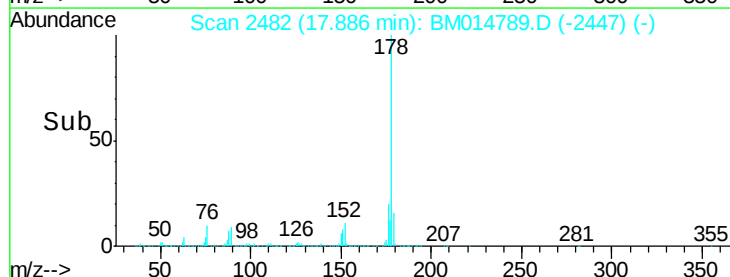
176 19.9 14.9 22.3

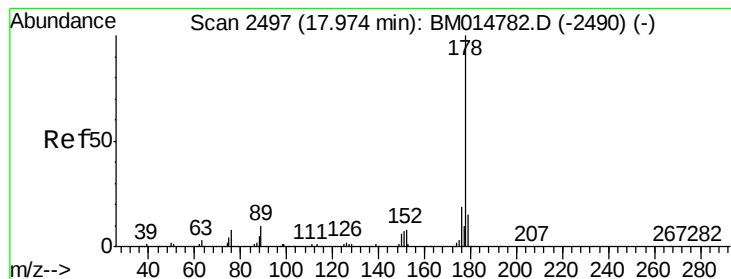


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 16.822 ng/ul

RT: 17.97 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

Instrument :

BNA_M

ClientSampleId :

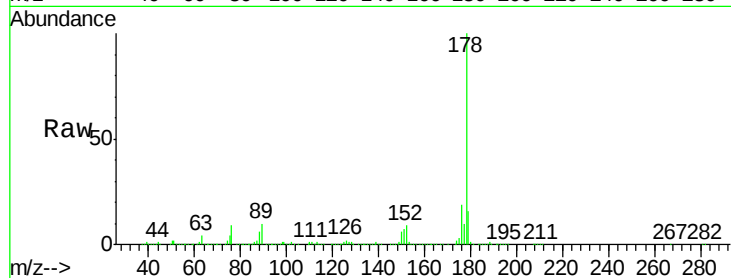
Tot Ion:178 Resp: 1420580

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

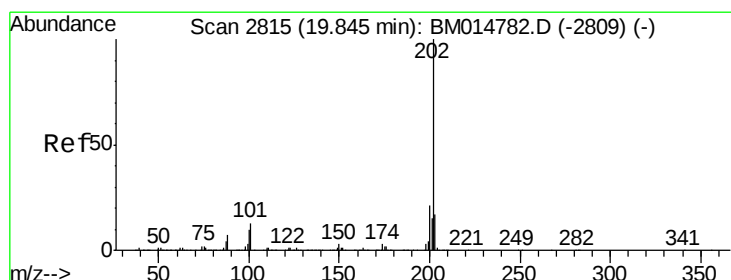
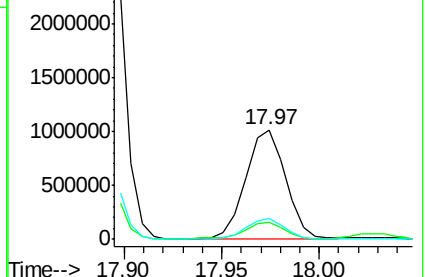
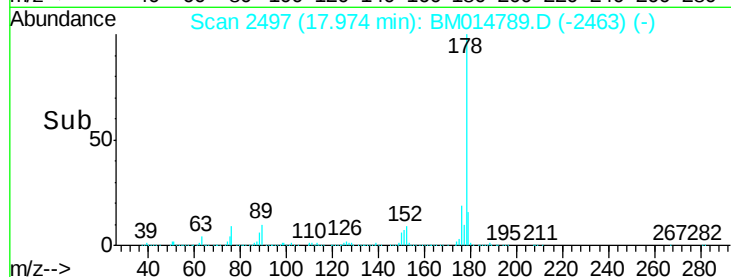
176 18.7 14.6 21.8



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



#74

Fluoranthene

Concen: 52.128 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

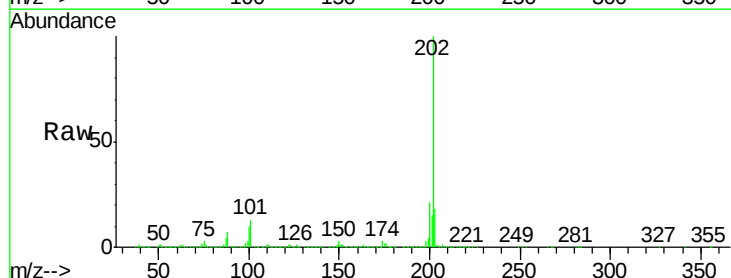
Tgt Ion:202 Resp: 4729138

Ion Ratio Lower Upper

202 100

101 12.9 4.6 7.0#

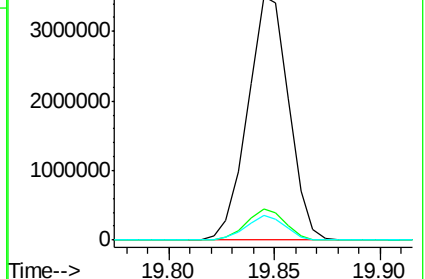
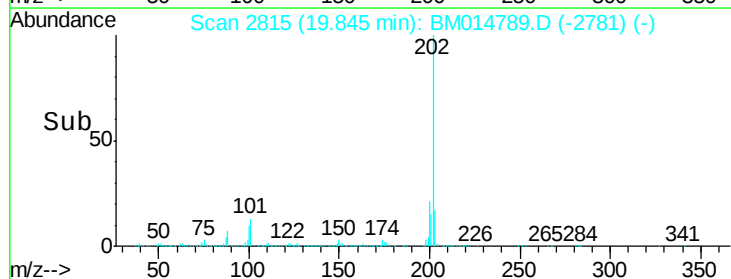
100 10.0 3.4 5.2#

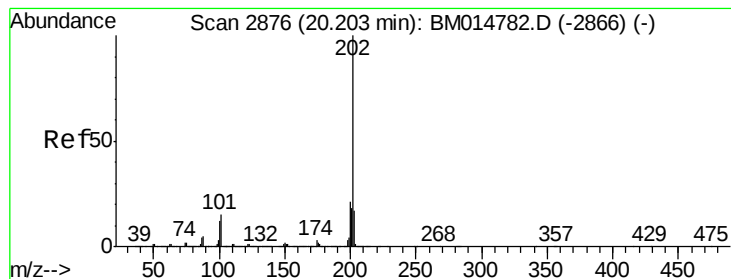


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 35.968 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BM014789.D

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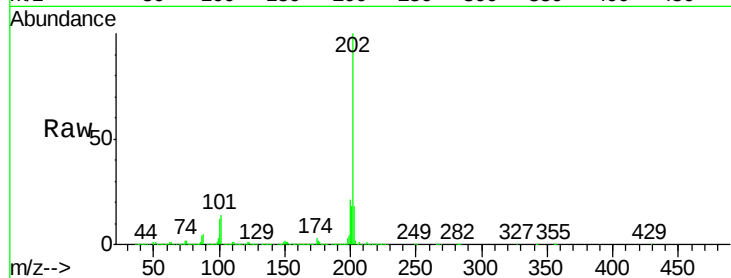
Tot Ion:202 Resp: 3332431

Ion Ratio Lower Upper

202 100

101 14.5 5.1 7.7#

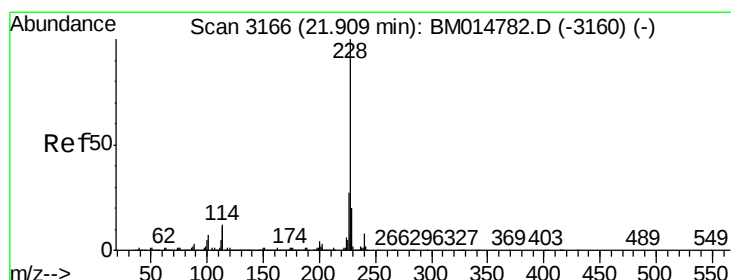
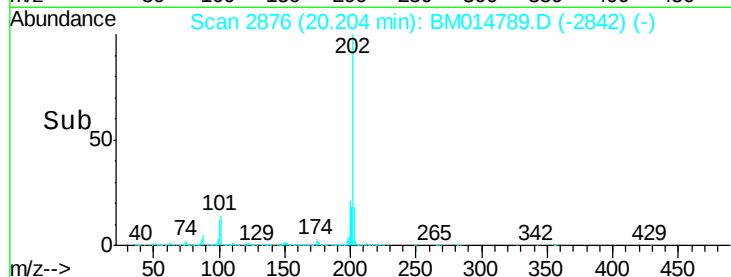
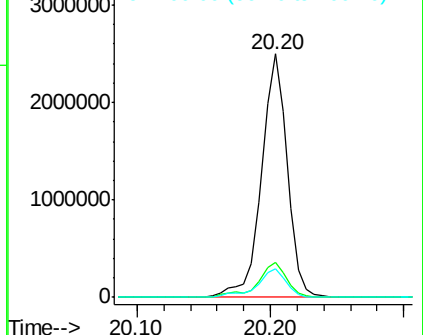
100 11.9 4.9 7.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 11.412 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

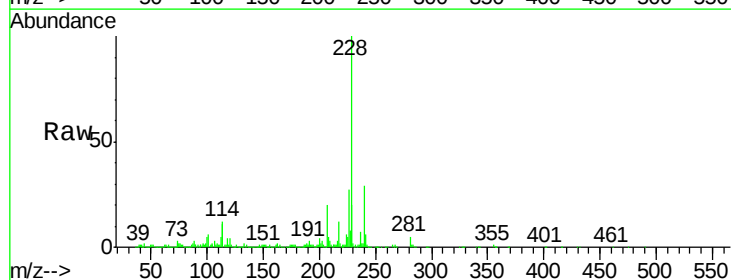
Tgt Ion:228 Resp: 1058223

Ion Ratio Lower Upper

228 100

229 20.1 15.4 23.0

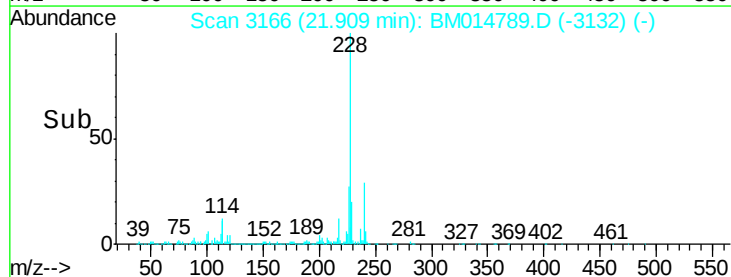
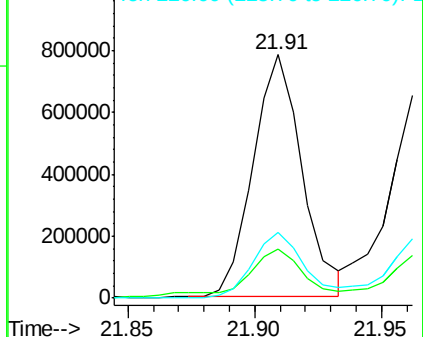
226 27.2 21.4 32.0

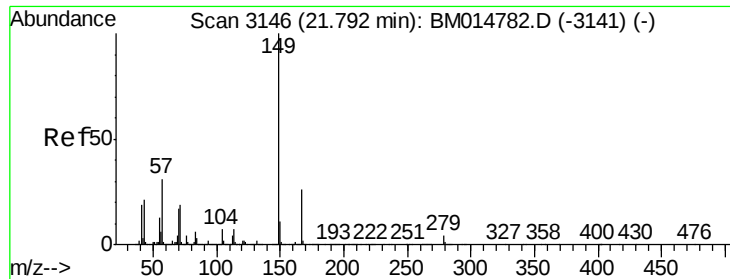


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

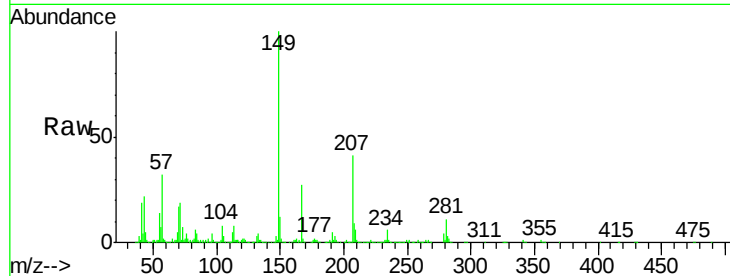




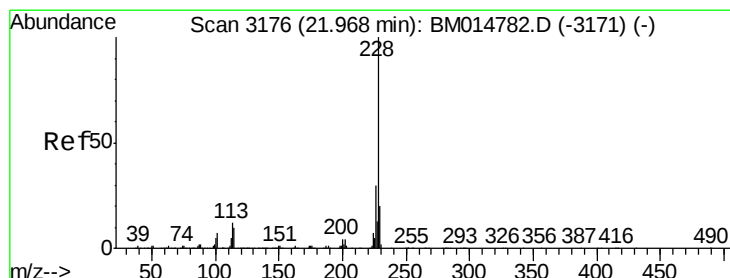
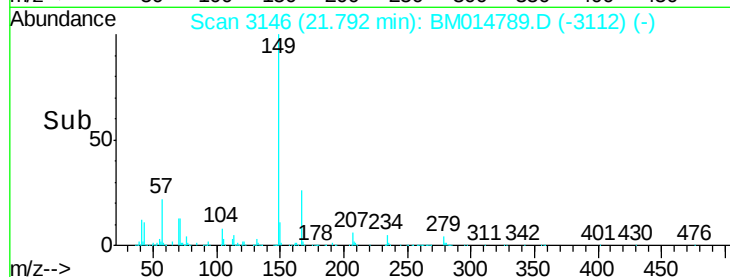
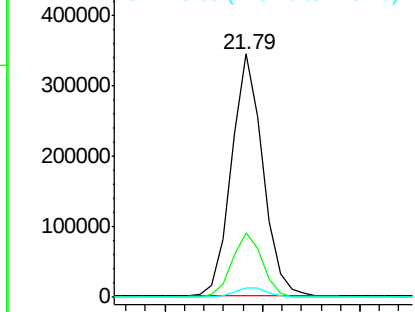
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 6.846 ng/ul
 RT: 21.79 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: BM014789.D
 Acq: 23 Apr 2018 23:04

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.8	34.2
279	4.0	4.9	7.3#

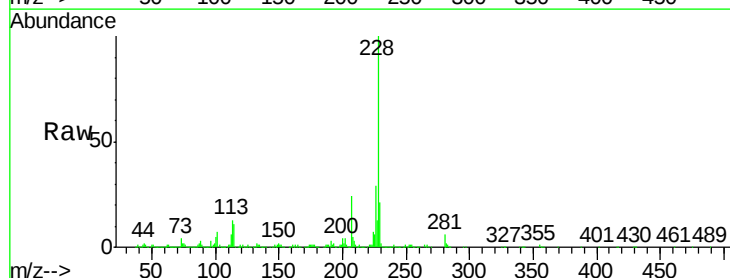


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

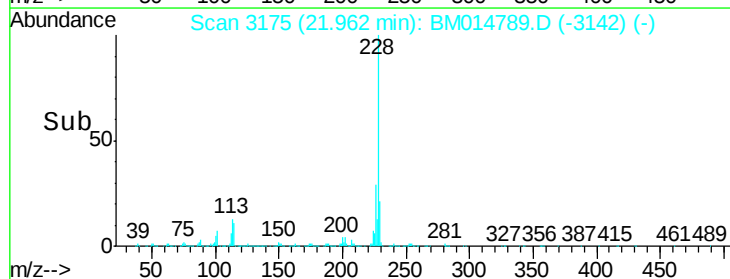
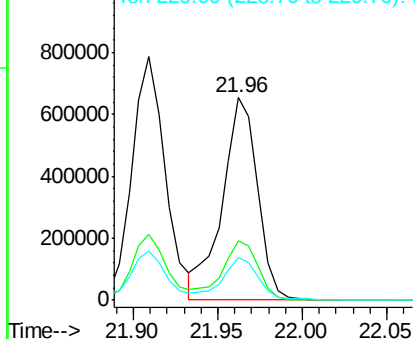


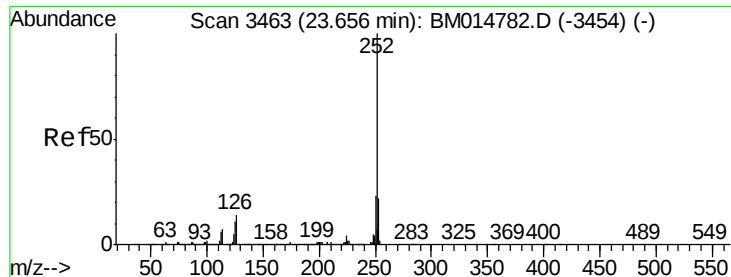
#82
 Chrysene
 Concen: 10.864 ng/ul
 RT: 21.96 min Scan# 3175
 Delta R.T. -0.01 min
 Lab File: BM014789.D
 Acq: 23 Apr 2018 23:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	21.0	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





#85

Benzo(b)fluoranthene

Concen: 6.280 ng/ul

RT: 23.66 min Scan# 3463

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

Instrument :

BNA_M

ClientSampleId :

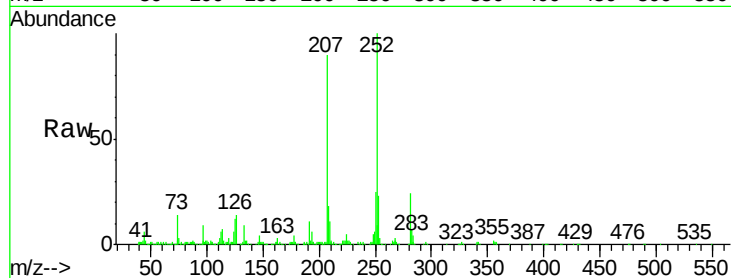
Tot Ion:252 Resp: 614005

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

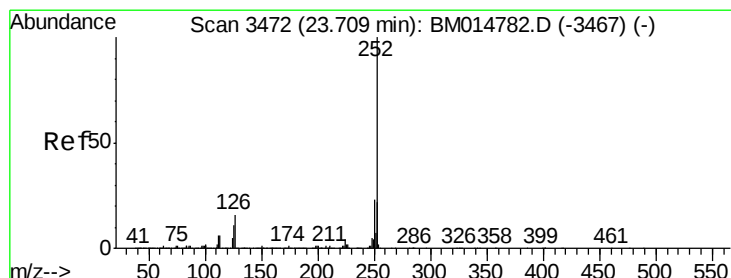
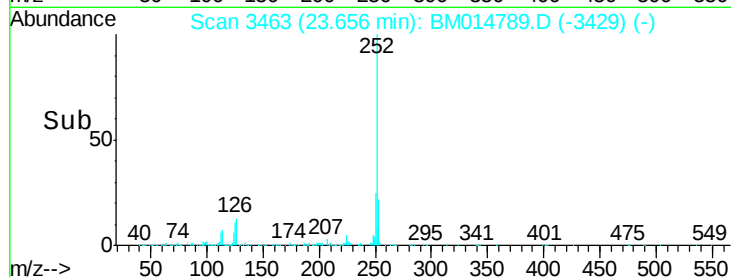
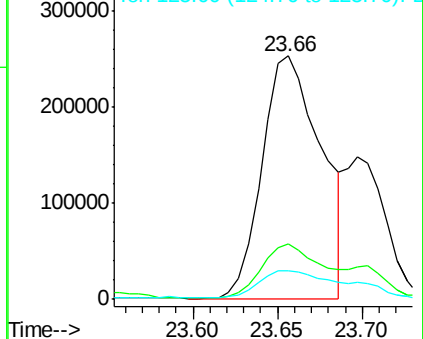
125 11.9 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 6.531 ng/ul

RT: 23.66 min Scan# 3463

Delta R.T. -0.05 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

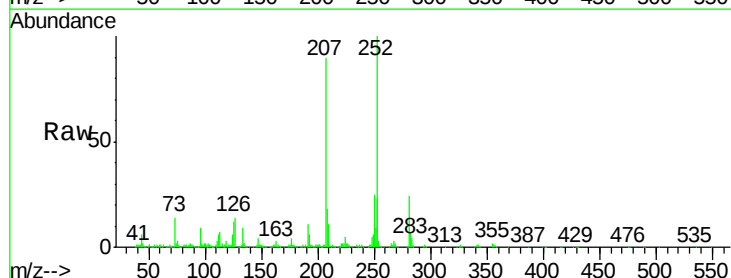
Tgt Ion:252 Resp: 614005

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

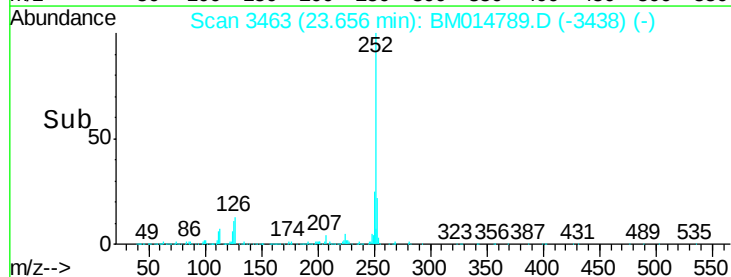
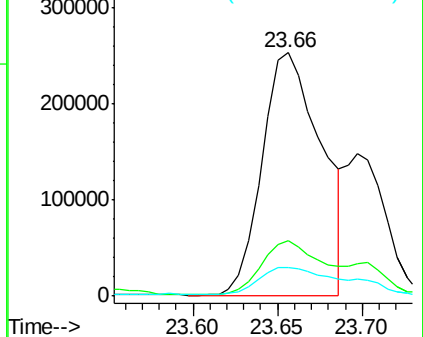
125 11.9 3.4 5.2#

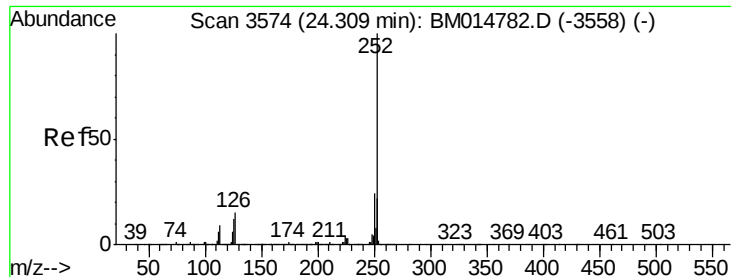


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 4.440 ng/ul

RT: 24.31 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

Instrument :

BNA_M

ClientSampled :

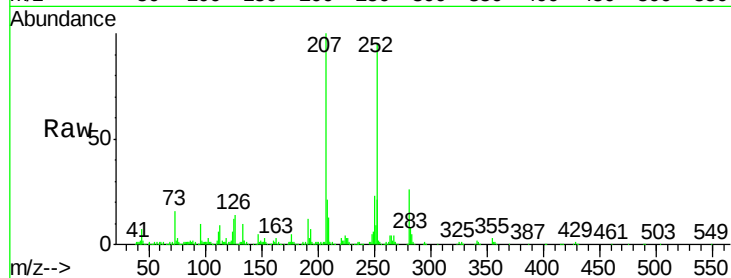
Tot Ion:252 Resp: 411807

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

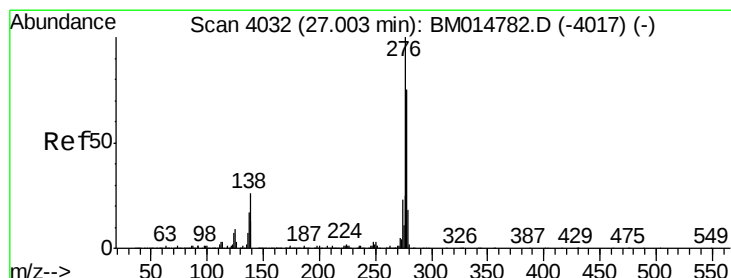
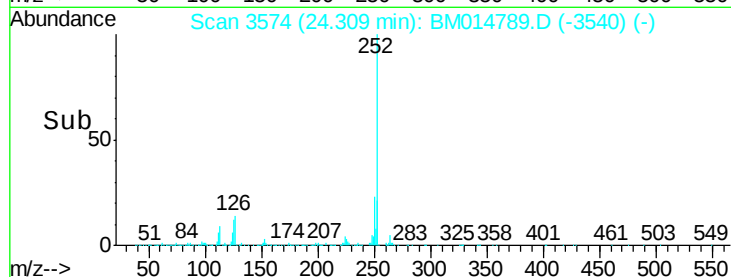
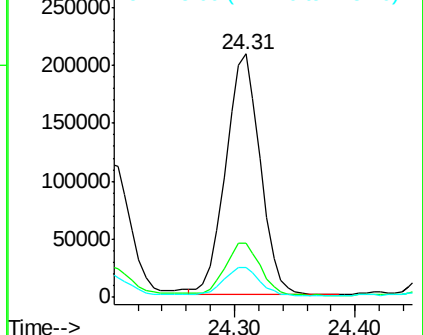
125 12.4 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.268 ng/ul

RT: 26.99 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

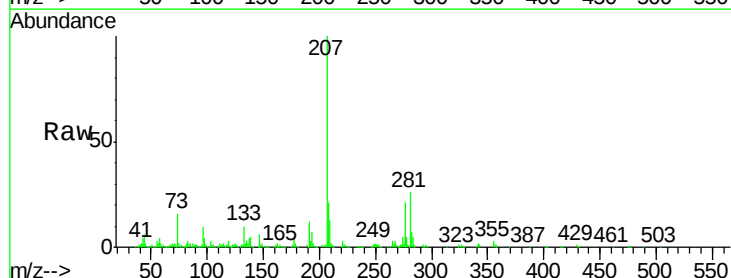
Tgt Ion:276 Resp: 142280

Ion Ratio Lower Upper

276 100

138 25.7 9.3 13.9#

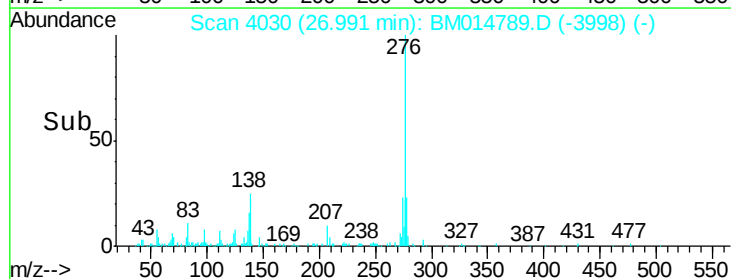
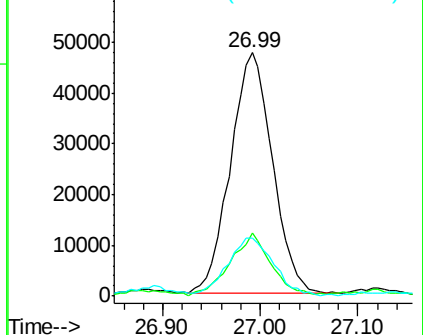
277 23.9 19.9 29.9

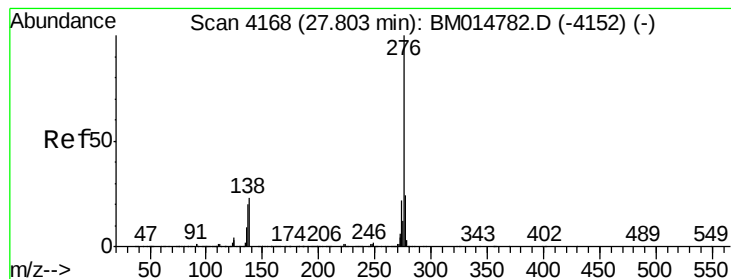


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.132 ng/ul

RT: 27.79 min Scan# 4166

Delta R.T. -0.01 min

Lab File: BM014789.D

Acq: 23 Apr 2018 23:04

Instrument :

BNA_M

ClientSampleId :

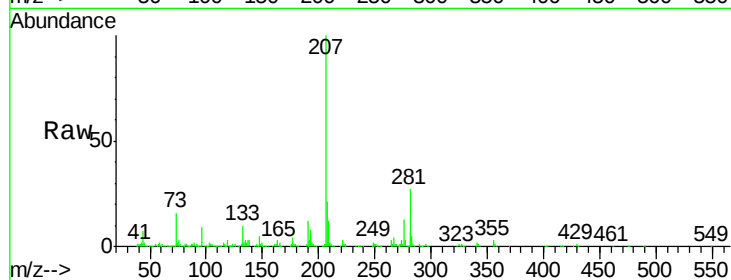
Tot Ion:276 Resp: 104448

Ion Ratio Lower Upper

276 100

138 26.0 8.5 12.7#

277 24.7 18.6 28.0



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

