

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
 Data File : BM014337.D
 Acq On : 23 Feb 2018 18:56
 Operator : SJ/JU
 Sample : J1631-03 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 23 23:18:48 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 23 23:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	64496	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	272800	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	172365	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	410277	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	550986	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	467557	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.12	96	1114	0.74	ng/uL	0.01
5) Phenol-d5	6.75	99	4427	0.81	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.89	67	6645	2.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	8221	1.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	2748	0.58	ng/ul	0.03
19) Nitrobenzene-d5	8.71	128	3311	1.64	ng/ul	0.03
22) 2-Nitrophenol-d4	9.41	143	2310	1.11	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	3953	0.91	ng/ul	0.07
29) 4-Chloroaniline-d4	10.52	131	298	0.07	ng/ul	0.06
43) Dimethylphthalate-d6	13.61	166	38341	2.69	ng/ul	0.00
46) Acenaphthylene-d8	13.88	160	46486	2.65	ng/ul	0.01
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.19	176	33812	2.65	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.37	200	603	0.25	ng/ul	0.04
70) Anthracene-d10	17.04	188	54234	2.74	ng/ul	0.00
76) Pyrene-d10	19.35	212	76880	2.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	67959	2.99	ng/ul	0.00

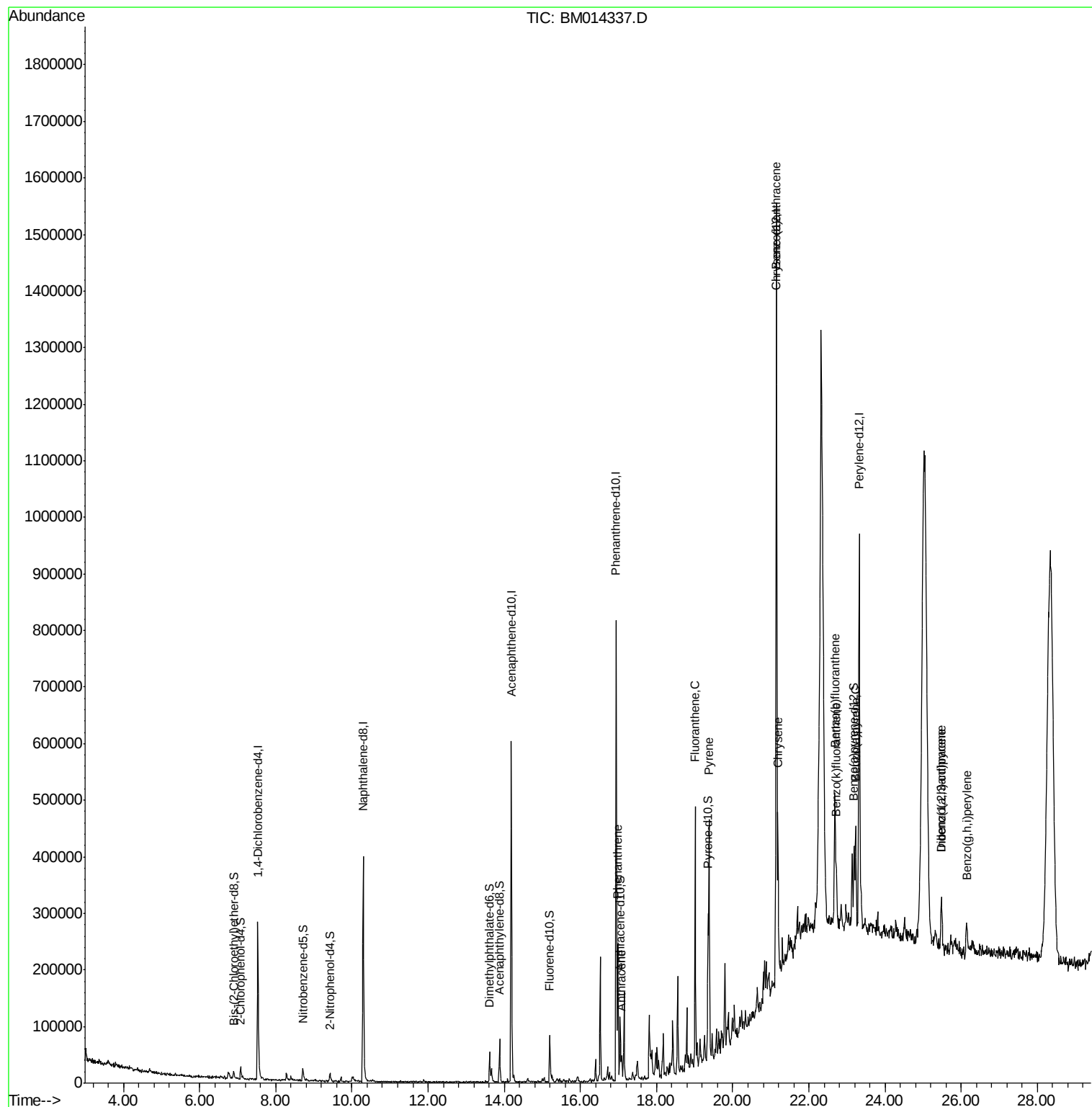
Target Compounds				Ovalue		
69) Phenanthrene	16.99	178	127598	5.398	ng/ul	96
71) Anthracene	17.09	178	27154	1.142	ng/ul	98
74) Fluoranthene	19.01	202	258885	9.167	ng/ul#	96
77) Pyrene	19.37	202	251817	6.877	ng/ul#	96
80) Benzo(a)anthracene	21.14	228	149630	4.351	ng/ul	97
82) Chrysene	21.19	228	150295	4.685	ng/ul	98
85) Benzo(b)fluoranthene	22.68	252	178280	5.695	ng/ul#	97
86) Benzo(k)fluoranthene	22.72	252	56169	1.887	ng/ul#	88
88) Benzo(a)pyrene	23.23	252	115888	4.142	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.48	276	69698	2.567	ng/ul#	88
90) Dibenzo(a,h)anthracene	25.49	278	22753	1.009	ng/ul#	83
91) Benzo(g,h,i)perylene	26.14	276	55258	2.513	ng/ul#	95

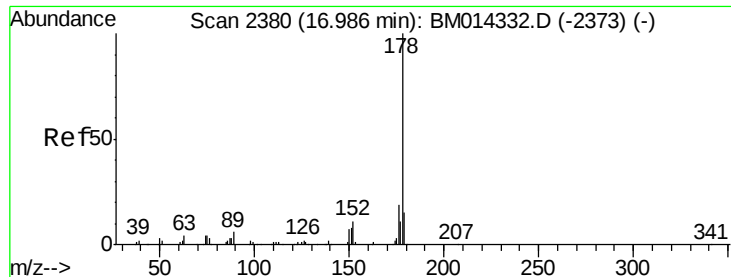
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration





#69

Phenanthrene

Concen: 5.398 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

Instrument :

BNA_M

ClientSampleId :

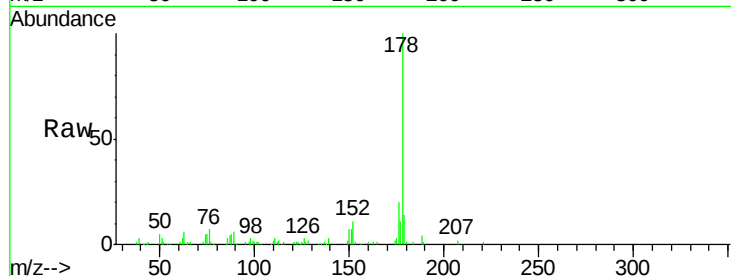
Tot Ion:178 Resp: 127598

Ion Ratio Lower Upper

178 100

179 14.4 12.6 19.0

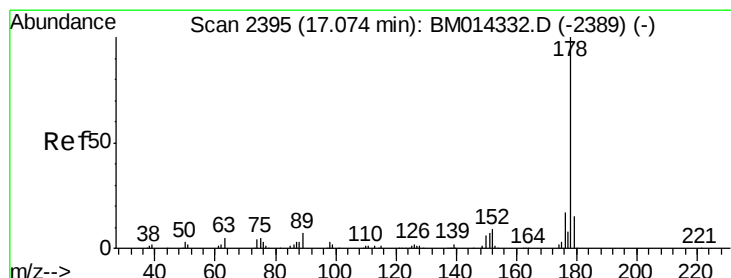
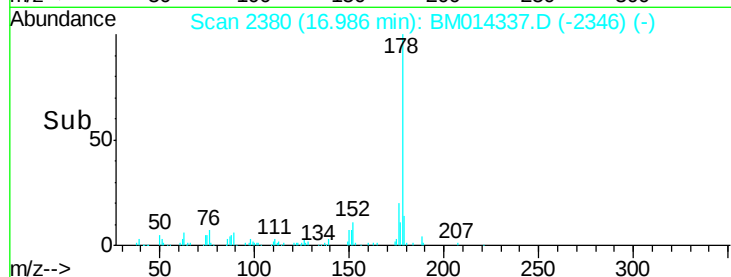
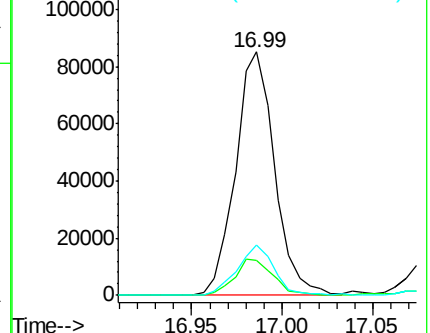
176 20.4 14.9 22.3



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: 1.142 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

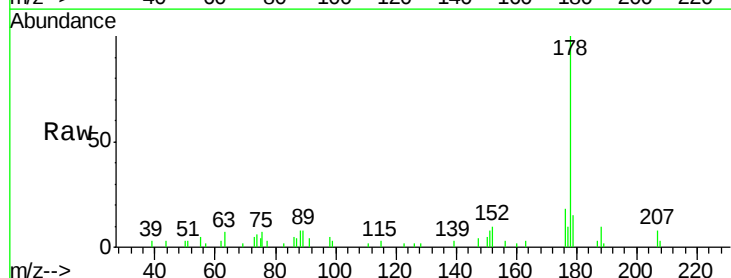
Tgt Ion:178 Resp: 27154

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

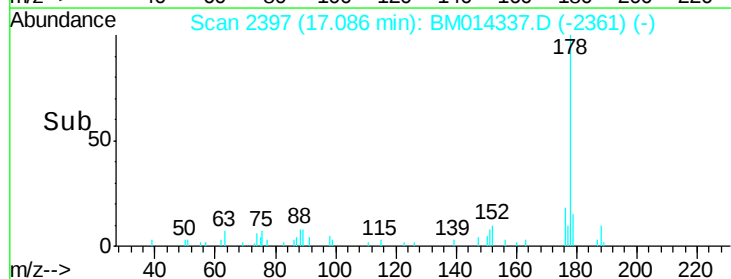
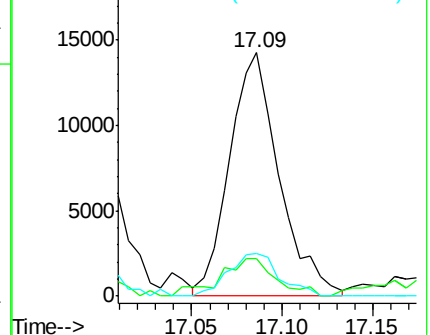
176 17.6 14.6 21.8

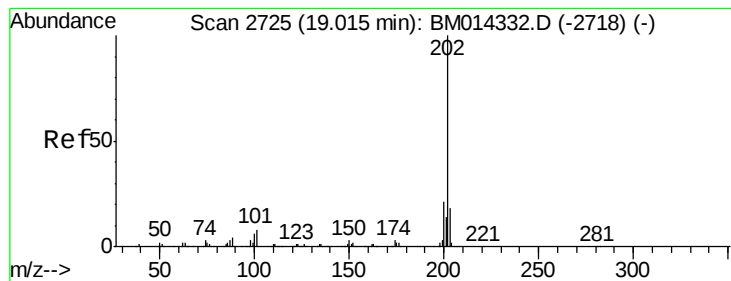


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 9.167 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

Instrument :

BNA_M

ClientSampleId :

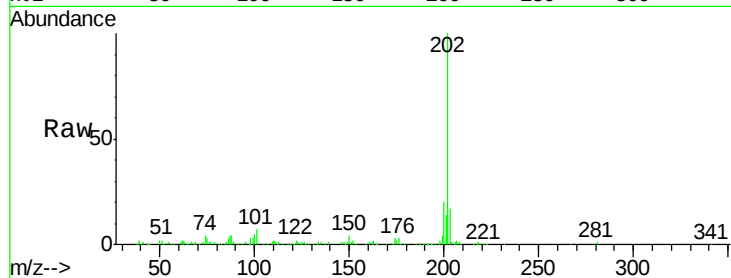
Tot Ion:202 Resp: 258885

Ion Ratio Lower Upper

202 100

101 7.4 4.6 7.0#

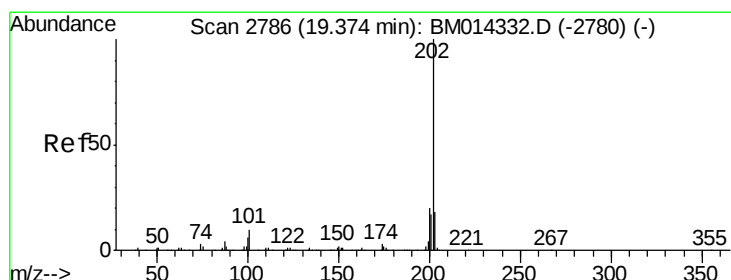
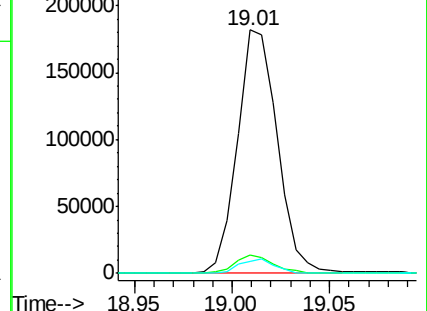
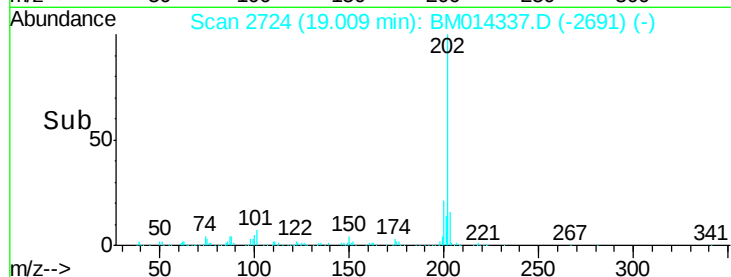
100 5.1 3.4 5.2



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

Pyrene

Concen: 6.877 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

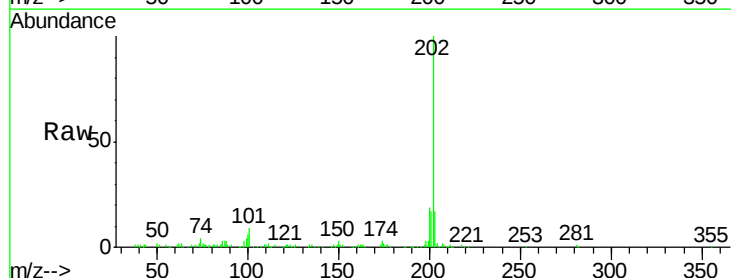
Tgt Ion:202 Resp: 251817

Ion Ratio Lower Upper

202 100

101 8.8 5.1 7.7#

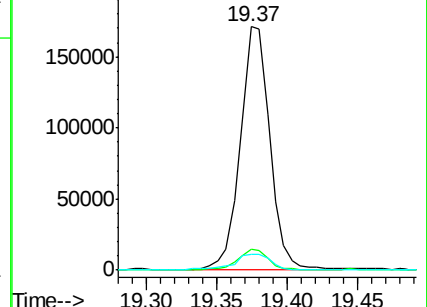
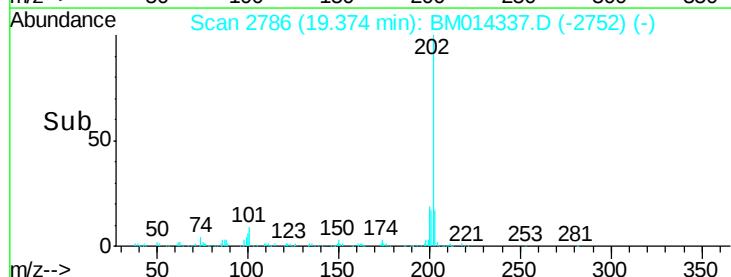
100 6.4 4.9 7.3

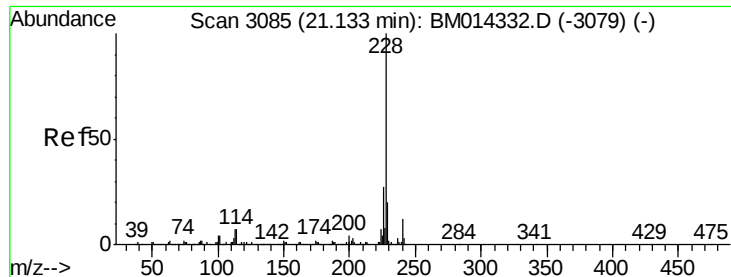


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 4.351 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

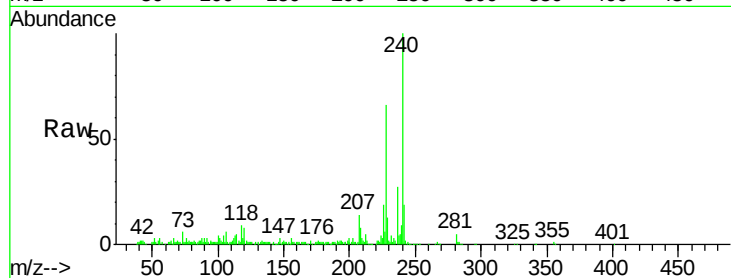
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 149630

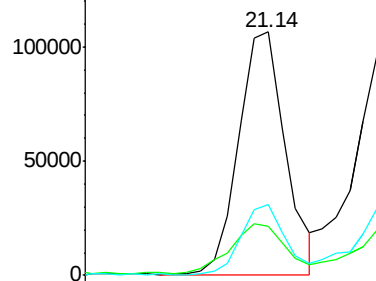
Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	28.8	21.4	32.0



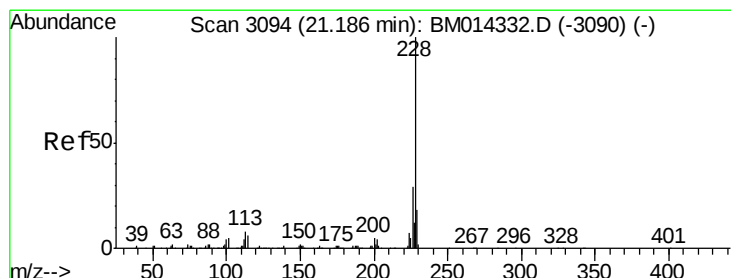
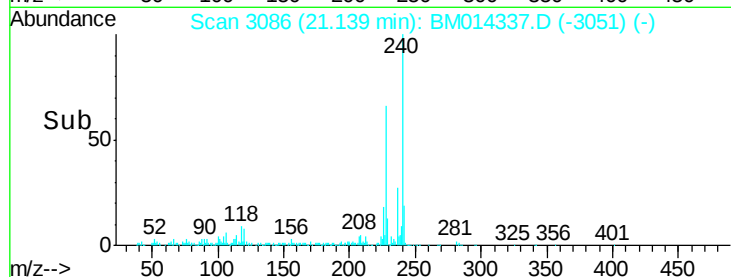
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#82

Chrysene

Concen: 4.685 ng/ul

RT: 21.19 min Scan# 3094

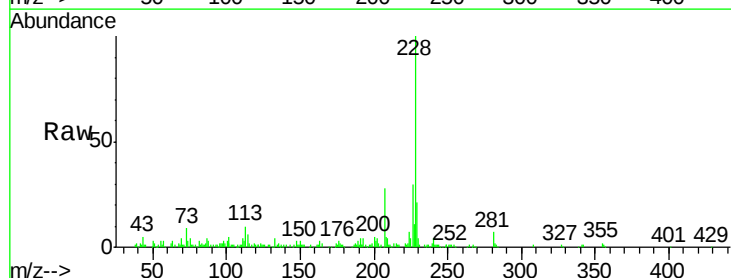
Delta R.T. -0.00 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

Tgt Ion:228 Resp: 150295

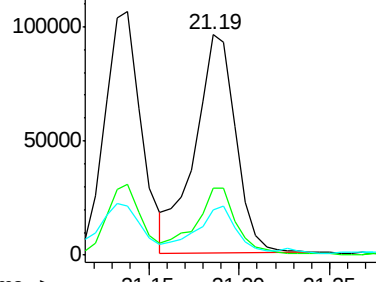
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	20.7	15.5	23.3



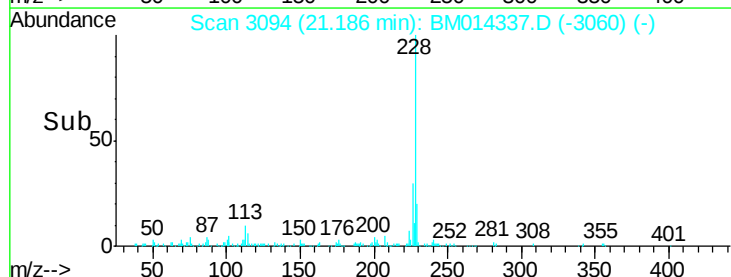
Abundance Ion 228.00 (227.70 to 228.70): E

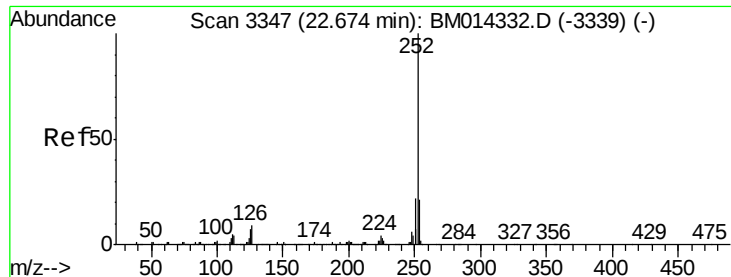
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#85

Benzo(b)fluoranthene

Concen: 5.695 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

Instrument :

BNA_M

ClientSampleId :

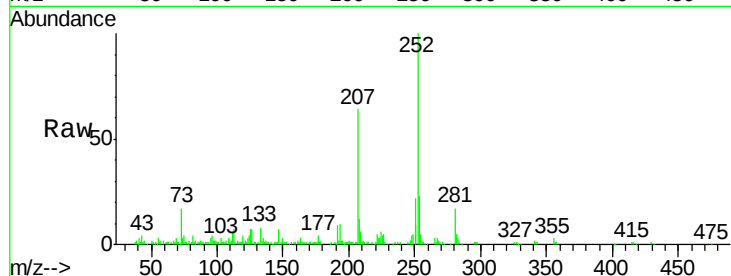
Tot Ion:252 Resp: 178280

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

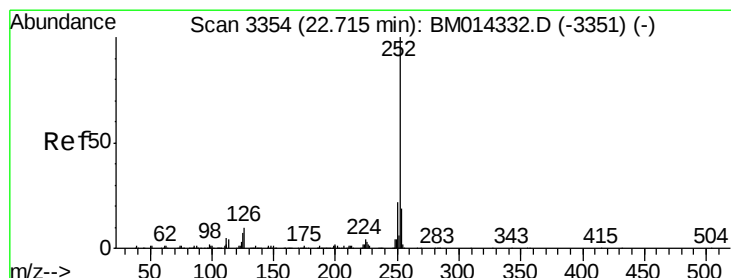
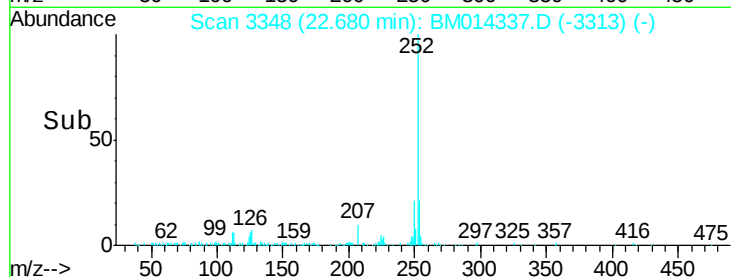
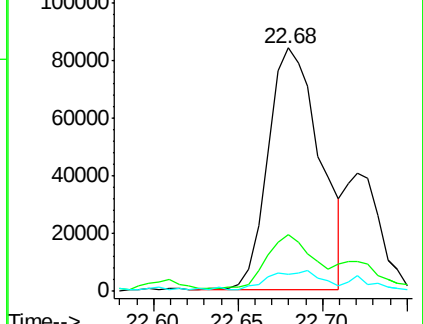
125 7.2 3.6 5.4#



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: 1.887 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

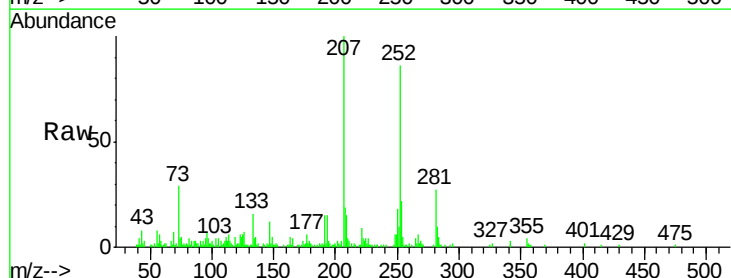
Tgt Ion:252 Resp: 56169

Ion Ratio Lower Upper

252 100

253 25.4 17.1 25.7

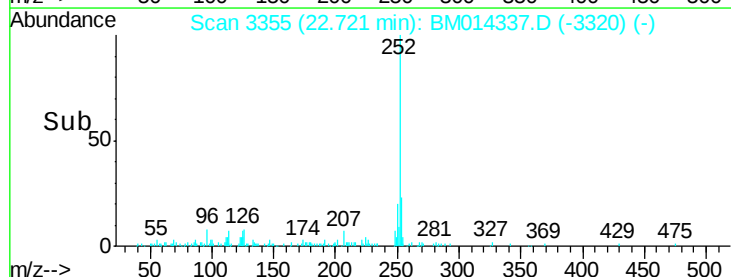
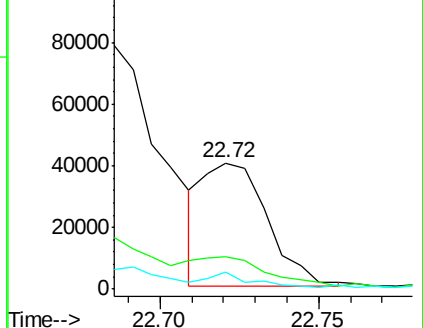
125 13.7 3.4 5.2#

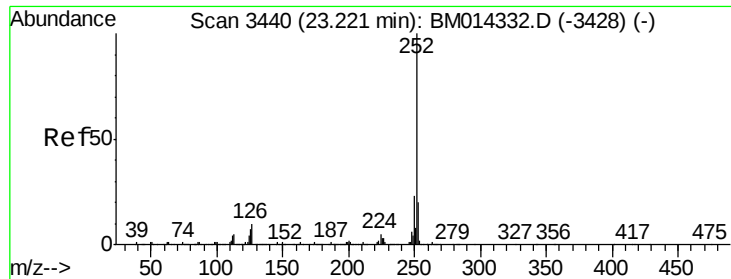


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 4.142 ng/ul

RT: 23.23 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

Instrument :

BNA_M

ClientSampleId :

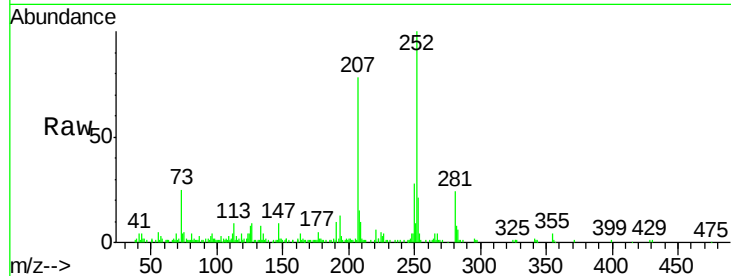
Tot Ion:252 Resp: 115888

Ion Ratio Lower Upper

252 100

253 20.5 18.2 27.2

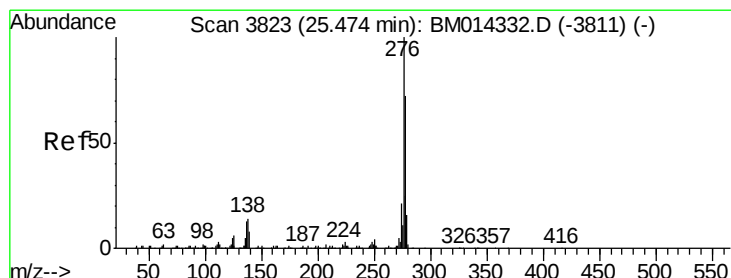
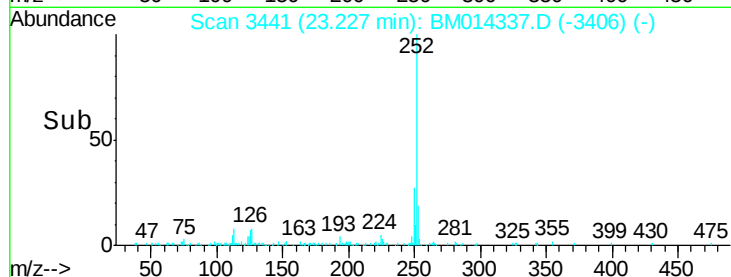
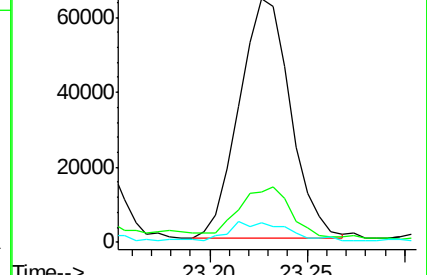
125 8.3 4.0 6.0#



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: 2.567 ng/ul

RT: 25.48 min Scan# 3824

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

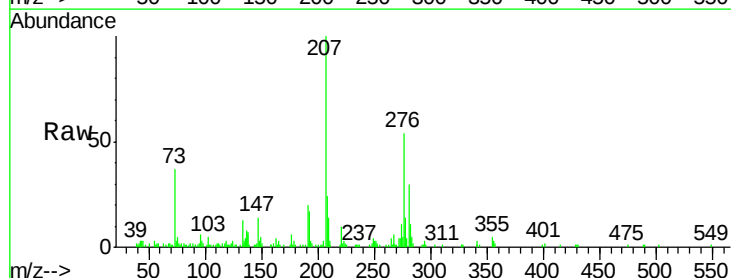
Tgt Ion:276 Resp: 69698

Ion Ratio Lower Upper

276 100

138 23.9 9.3 13.9#

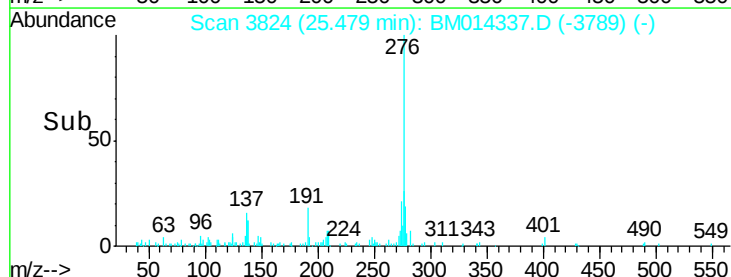
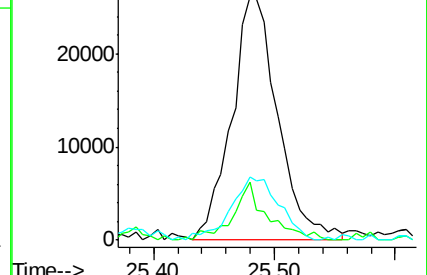
277 26.1 19.9 29.9

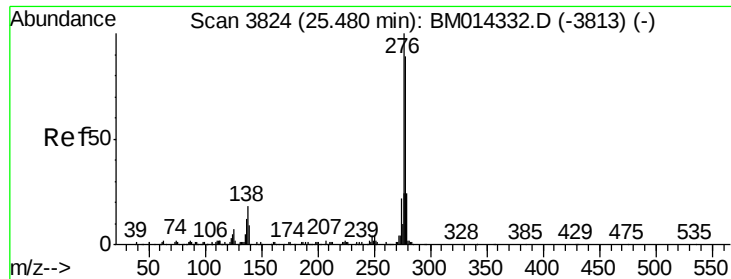


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.009 ng/ul

RT: 25.49 min Scan# 3825

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

Instrument :

BNA_M

ClientSampleId :

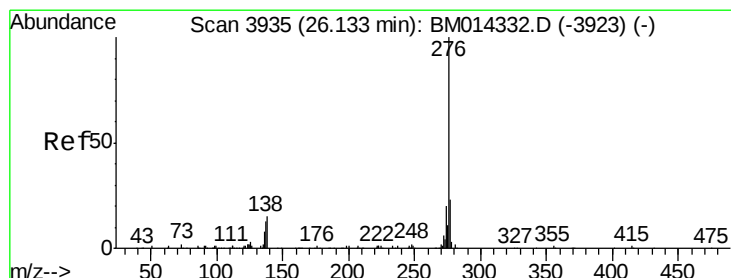
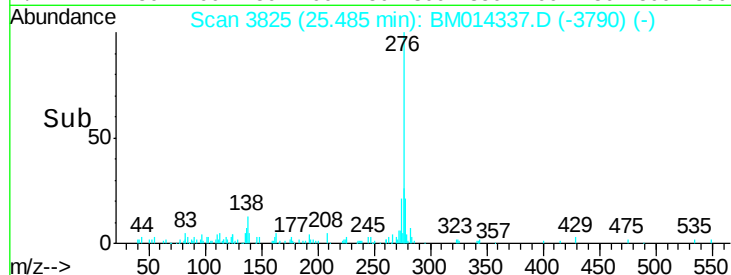
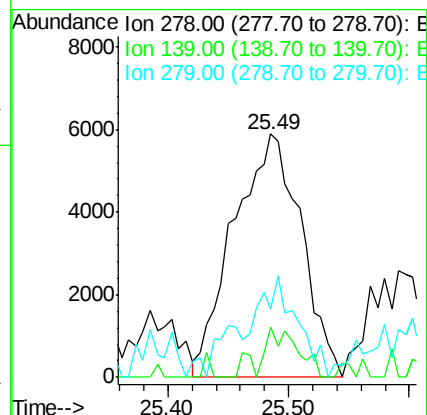
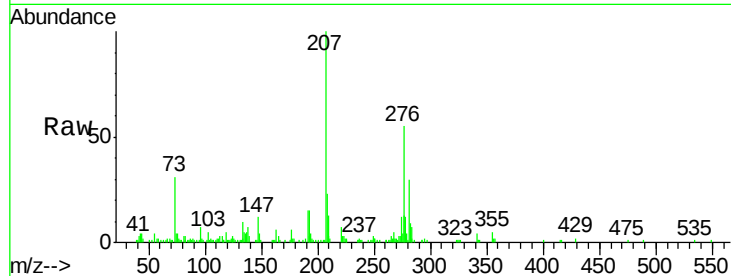
Tot Ion:278 Resp: 22753

Ion Ratio Lower Upper

278 100

139 20.8 5.8 8.8#

279 28.1 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 2.513 ng/ul

RT: 26.14 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BM014337.D

Acq: 23 Feb 2018 18:56

Tgt Ion:276 Resp: 55258

Ion Ratio Lower Upper

276 100

138 15.9 8.5 12.7#

277 23.7 18.6 28.0

