

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013786.D
 Acq On : 25 Jan 2018 02:01
 Operator : SJ/JU
 Sample : J1174-13DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 25 03:37:01 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 03:36:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	142412	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	591436	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	343698	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	742278	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	806321	20.00	ng/ul	0.00
83) Perylene-d12	23.39	264	816508	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	700	0.19	ng/uL	0.00
5) Phenol-d5	6.79	99	22775	2.08	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	19007	2.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	18071	2.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	17208	2.05	ng/ul	0.01
19) Nitrobenzene-d5	8.76	128	9765	2.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	10230	2.11	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.02	165	17944	1.92	ng/ul	0.02
29) 4-Chloroaniline-d4	10.53	131	11769	1.45	ng/ul	0.01
43) Dimethylphthalate-d6	13.66	166	65015	2.30	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	79998	2.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	867	0.19	ng/ul	0.00
57) Fluorene-d10	15.24	176	60339	2.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	6670	1.49	ng/ul	0.02
70) Anthracene-d10	17.10	188	89503	2.48	ng/ul	0.00
76) Pyrene-d10	19.40	212	99082	2.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.25	264	93015	2.48	ng/ul	0.00

Target Compounds

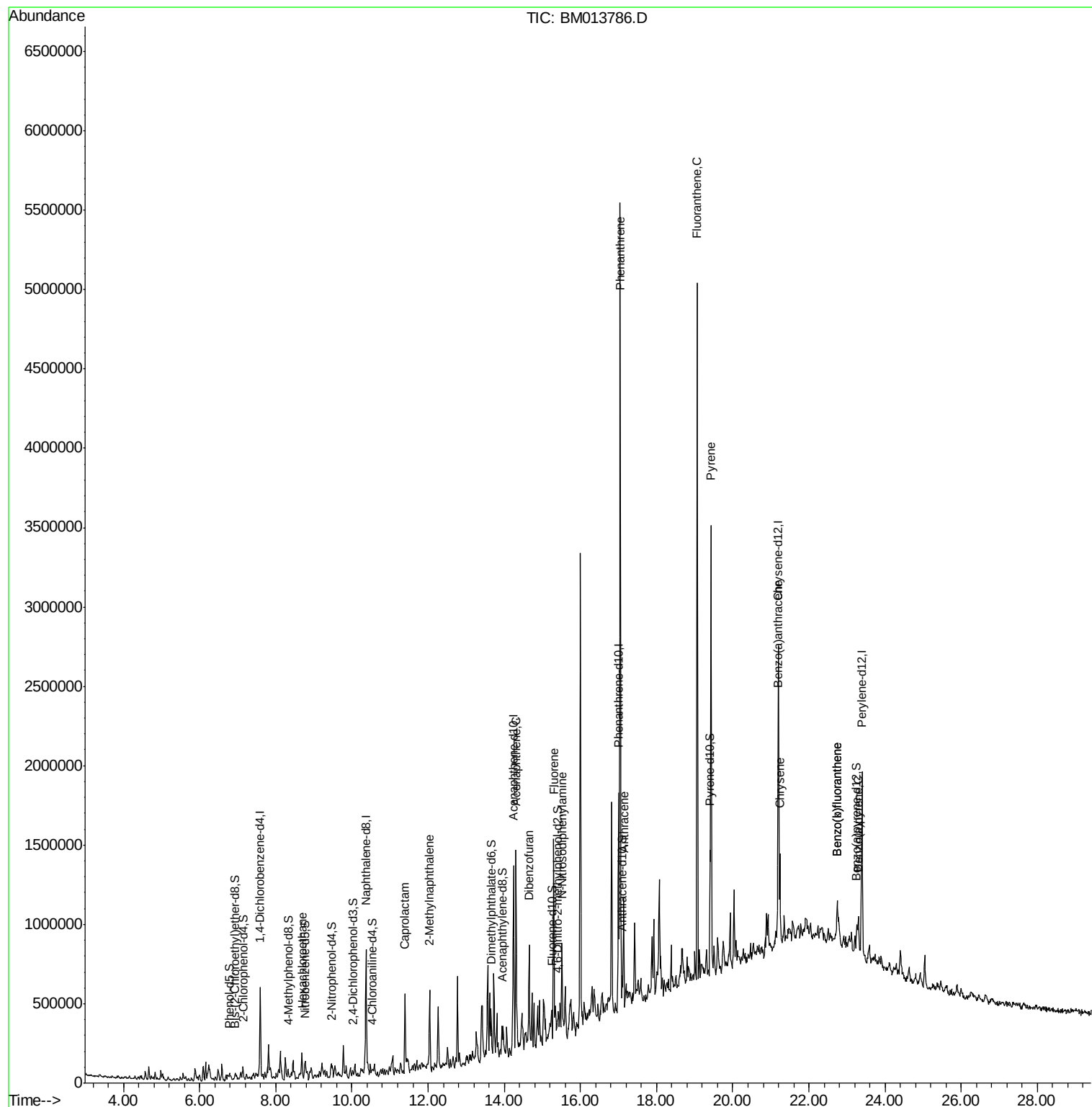
					Ovalue	
17) Hexachloroethane	8.69	117	7361	1.703	ng/ul#	1
32) Caprolactam	11.40	113	21699	8.640	ng/ul#	53
34) 2-Methylnaphthalene	12.04	142	240309	10.954	ng/ul	93
49) Acenaphthene	14.31	153	467419	20.420	ng/ul	99
53) Dibenzofuran	14.65	168	157294	4.568	ng/ul	93
58) Fluorene	15.30	166	488225	17.308	ng/ul	98
64) N-Nitrosodiphenylamine	15.52	169	31929	1.463	ng/ul#	64
69) Phenanthrene	17.04	178	2870960	69.582	ng/ul	99
71) Anthracene	17.13	178	407249	9.569	ng/ul	96
74) Fluoranthene	19.07	202	2484298	50.441	ng/ul#	95
77) Pyrene	19.43	202	1730327	35.299	ng/ul#	96
80) Benzo(a)anthracene	21.19	228	276378	5.673	ng/ul	98
82) Chrysene	21.24	228	333313	7.457	ng/ul	98
85) Benzo(b)fluoranthene	22.74	252	189615	3.781	ng/ul#	92
86) Benzo(k)fluoranthene	22.74	252	189615	3.912	ng/ul#	90
88) Benzo(a)pyrene	23.30	252	73789	1.558	ng/ul#	90

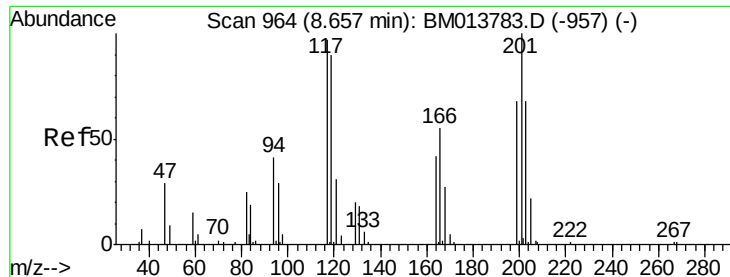
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 25 03:36:03 2018
Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.703 ng/ul

RT: 8.69 min Scan# 970

Delta R.T. 0.04 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Instrument :

BNA_M

ClientSampleId :

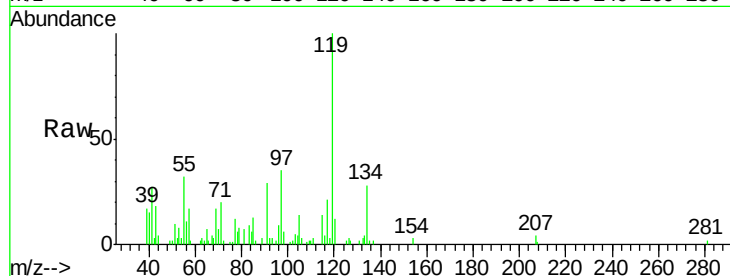
Tot Ion:117 Resp: 7361

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

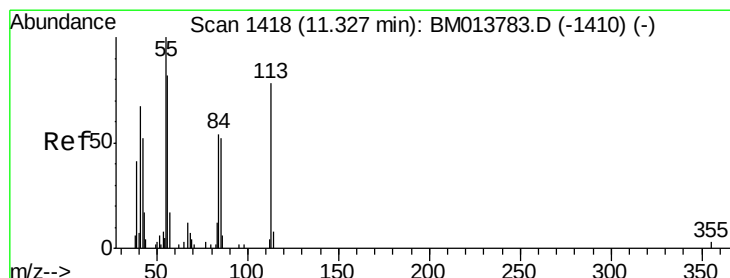
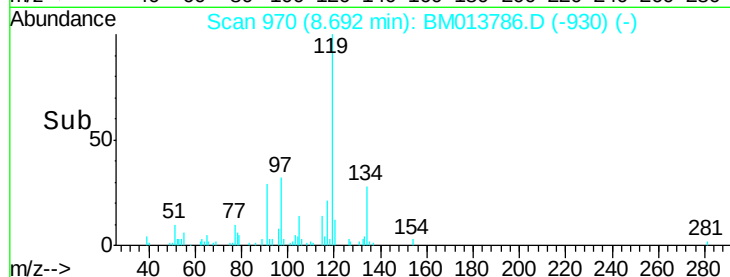
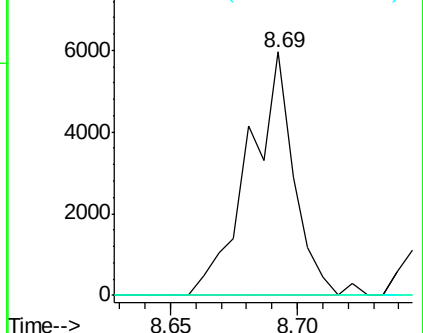
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#32

Caprolactam

Concen: 8.640 ng/ul

RT: 11.40 min Scan# 1430

Delta R.T. 0.07 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

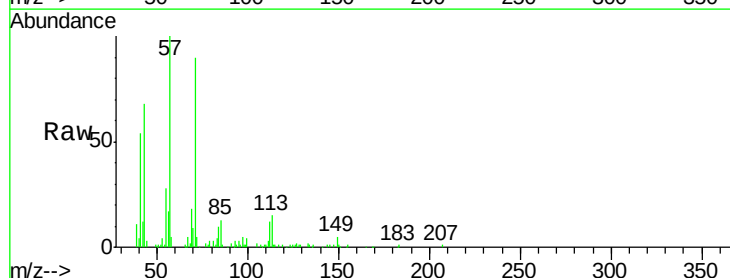
Tgt Ion:113 Resp: 21699

Ion Ratio Lower Upper

113 100

55 187.2 208.0 312.0#

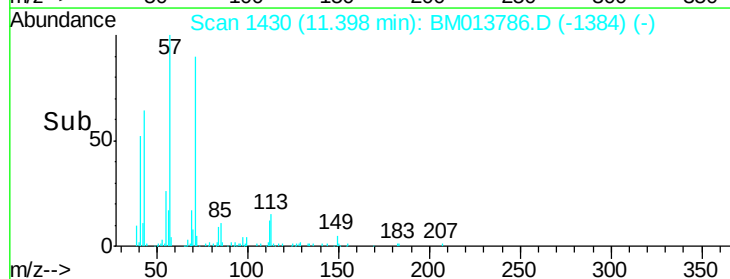
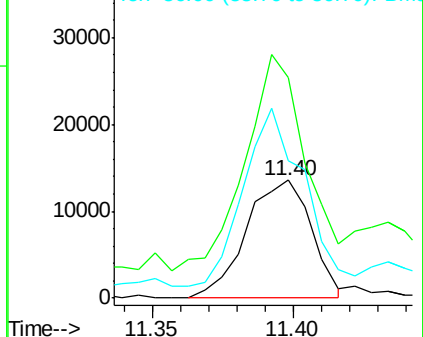
56 116.4 160.0 240.0#

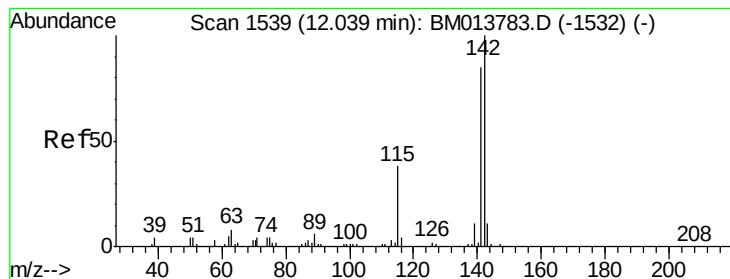


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0





#34

2-Methylnaphthalene

Concen: 10.954 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Instrument :

BNA_M

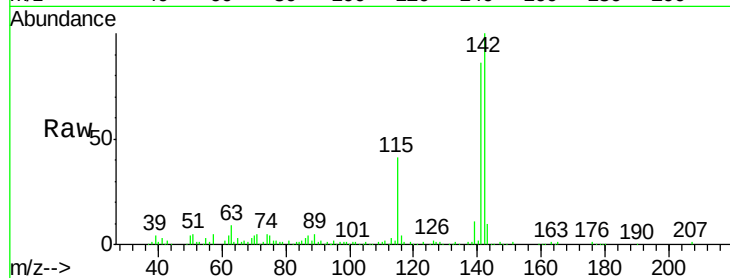
ClientSampleId :

Tot Ion:142 Resp: 240309

Ion Ratio Lower Upper

142 100

141 86.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.04

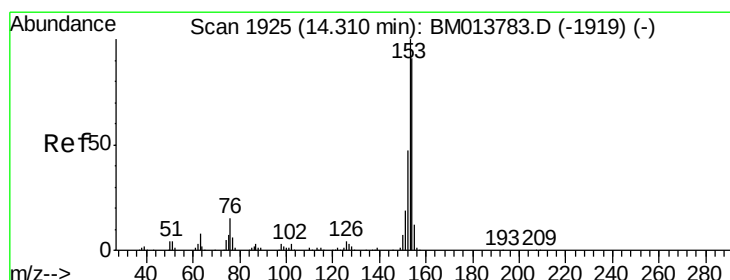
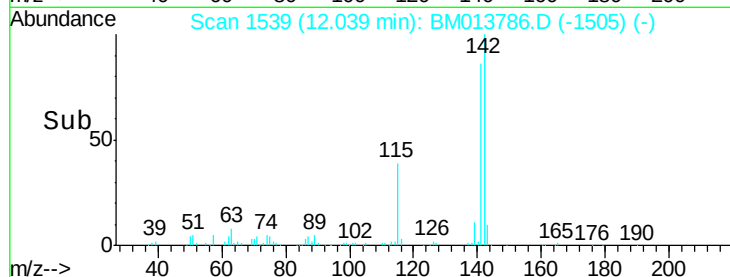
150000

100000

50000

0

Time-->



#49

Acenaphthene

Concen: 20.420 ng/ul

RT: 14.31 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

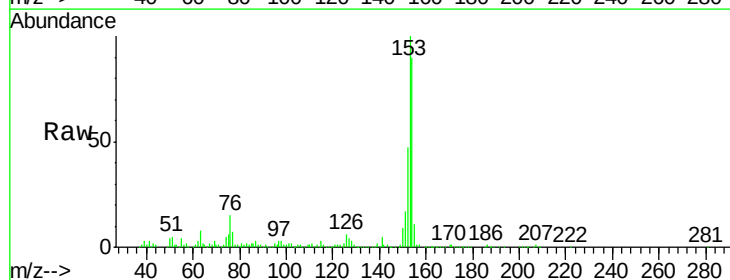
Tgt Ion:153 Resp: 467419

Ion Ratio Lower Upper

153 100

152 47.4 37.6 56.4

154 89.7 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

14.31

400000

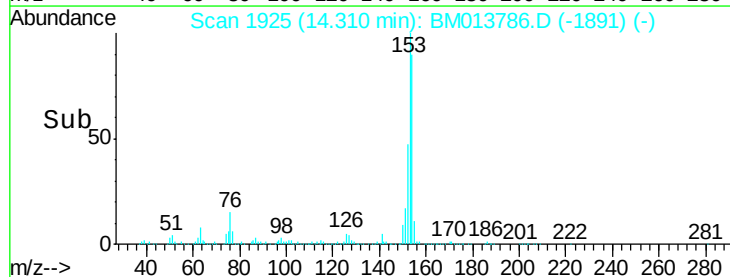
300000

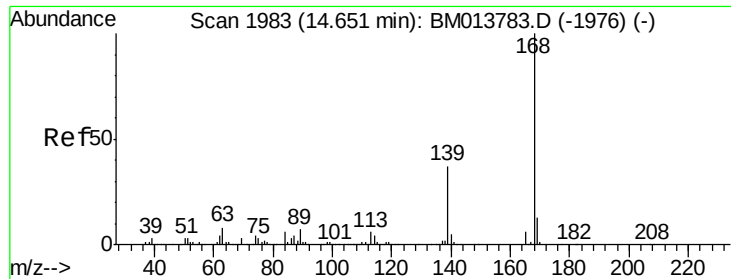
200000

100000

0

Time-->





#53

Dibenzo(f,h)quinoxaline

Concen: 4.568 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Instrument :

BNA_M

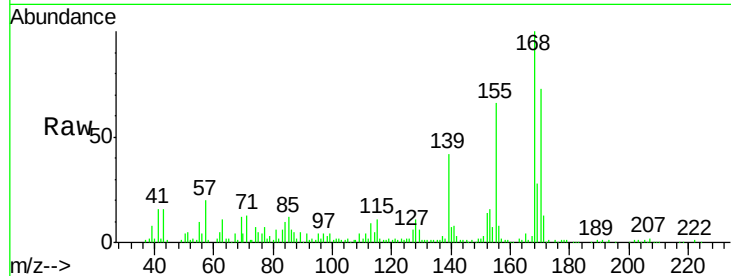
ClientSampleId :

Tot Ion:168 Resp: 157294

Ion Ratio Lower Upper

168 100

139 42.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.65

120000

100000

80000

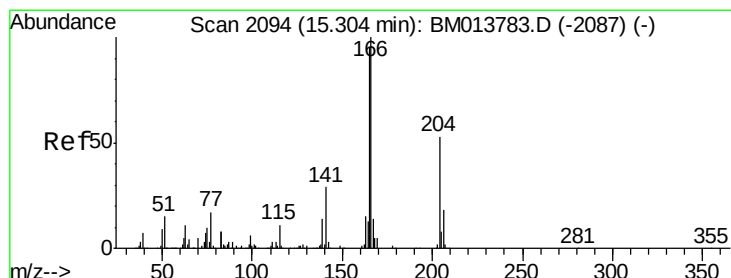
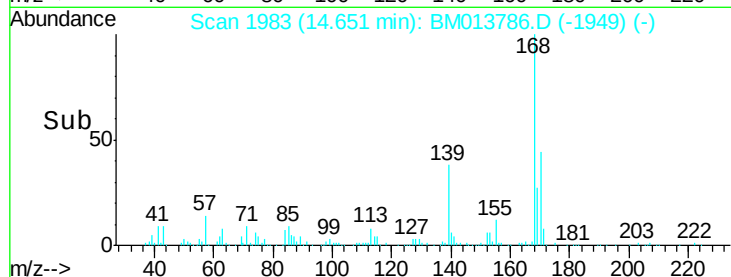
60000

40000

20000

0

Time-->



#58

Fluorene

Concen: 17.308 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

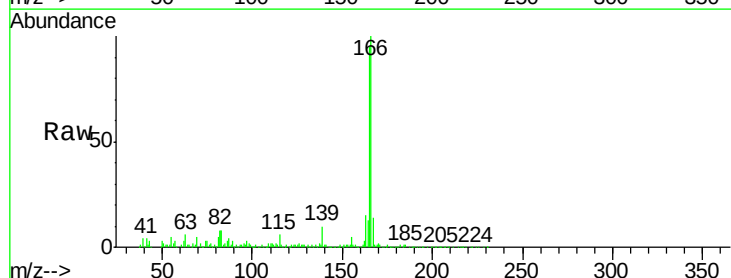
Tgt Ion:166 Resp: 488225

Ion Ratio Lower Upper

166 100

165 95.2 77.9 116.9

167 14.5 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

15.30

400000

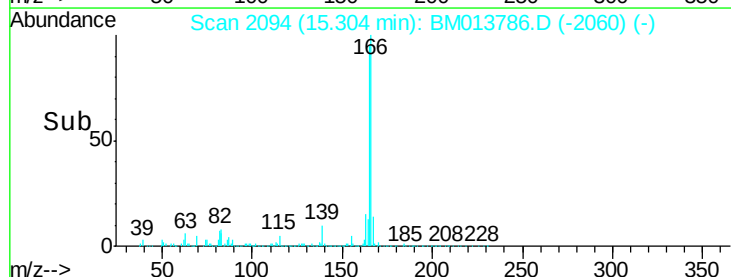
300000

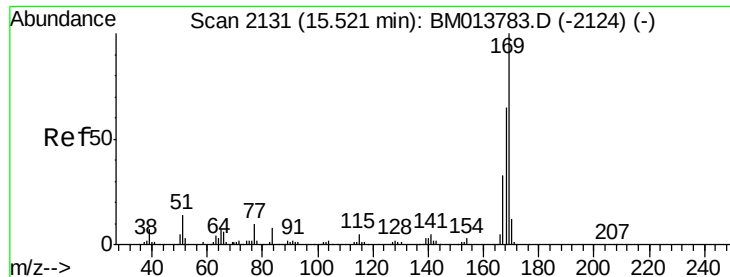
200000

100000

0

Time-->



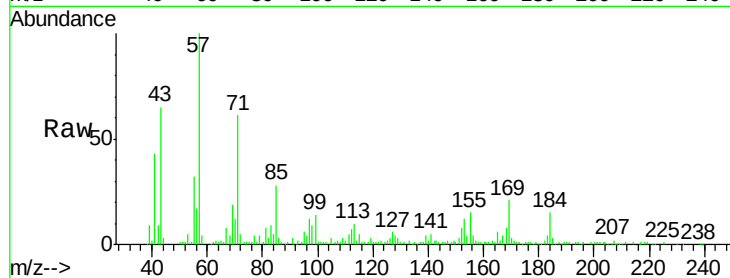


#64

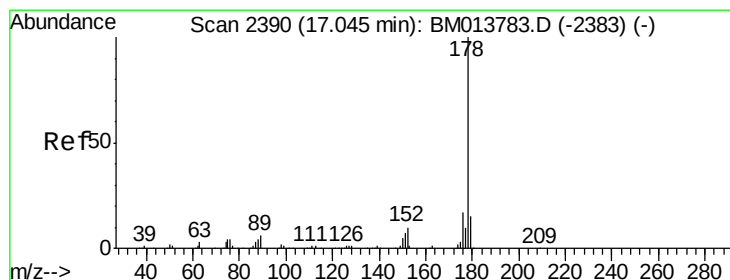
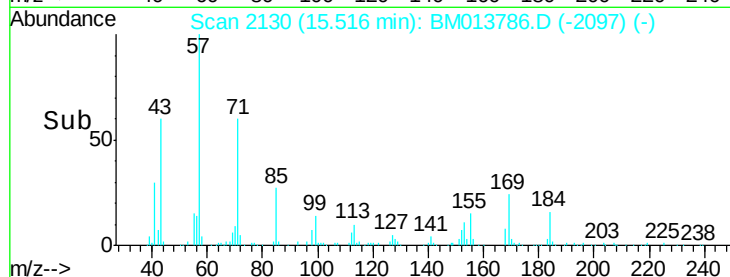
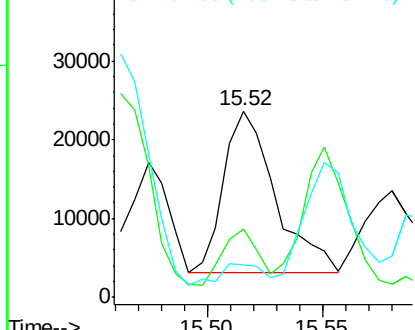
N-Nitrosodiphenylamine
Concen: 1.463 ng/ul
RT: 15.52 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BM013786.D
Acq: 25 Jan 2018 02:01

Instrument :
BNA_M
ClientSampleId :

Tot Ion:169 Resp: 31929
Ion Ratio Lower Upper
169 100
168 36.8 54.0 81.0#
167 17.1 29.1 43.7#



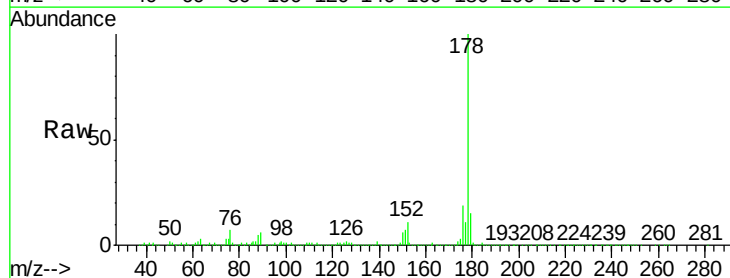
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



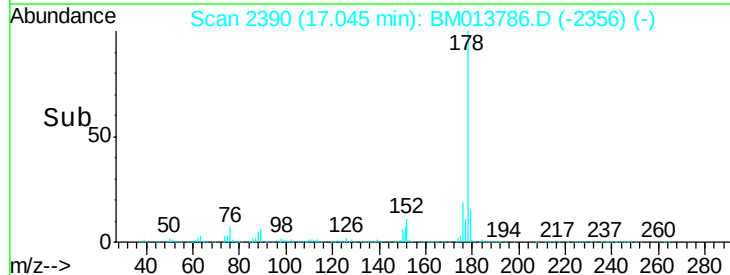
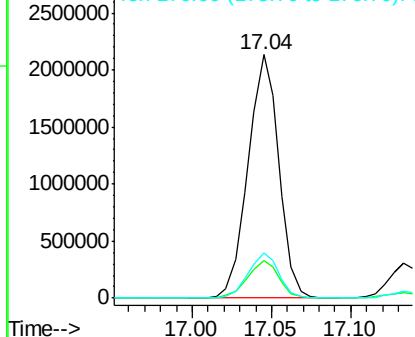
#69

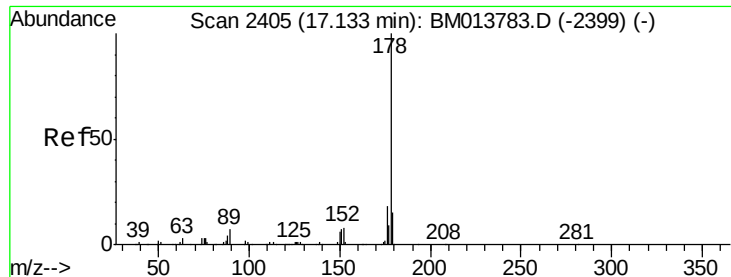
Phenanthrene
Concen: 69.582 ng/ul
RT: 17.04 min Scan# 2390
Delta R.T. 0.00 min
Lab File: BM013786.D
Acq: 25 Jan 2018 02:01

Tgt Ion:178 Resp: 2870960
Ion Ratio Lower Upper
178 100
179 15.2 12.6 19.0
176 18.6 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: 9.569 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Instrument :

BNA_M

ClientSampleId :

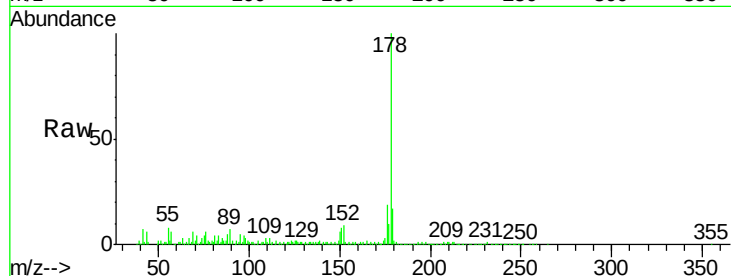
Tot Ion:178 Resp: 407249

Ion Ratio Lower Upper

178 100

179 16.8 11.7 17.5

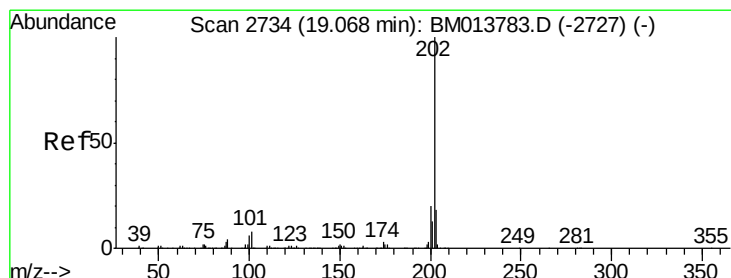
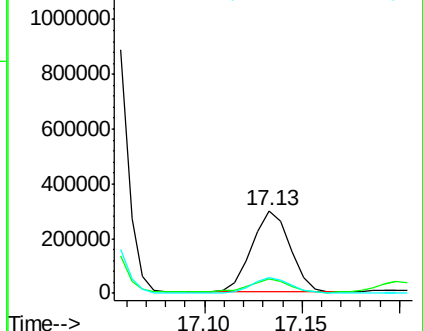
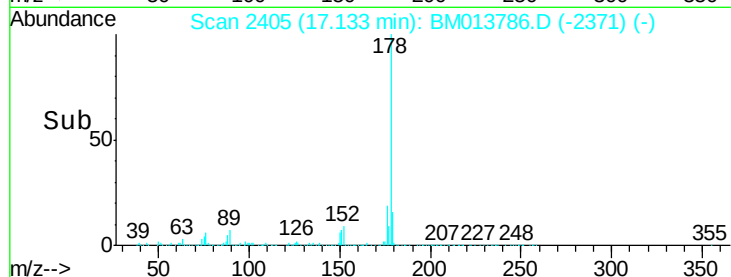
176 19.2 14.6 21.8



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: 50.441 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

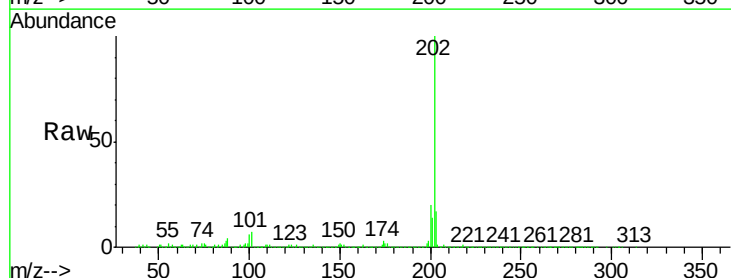
Tgt Ion:202 Resp: 2484298

Ion Ratio Lower Upper

202 100

101 7.4 4.6 7.0#

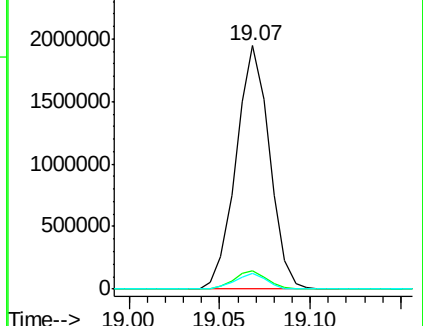
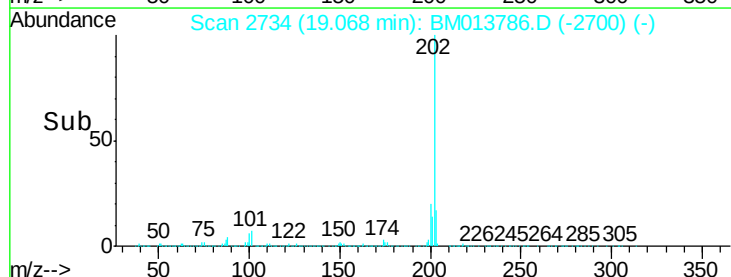
100 6.3 3.4 5.2#

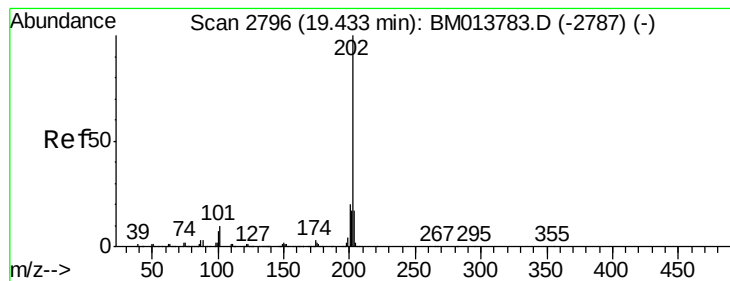


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 35.299 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Instrument :

BNA_M

ClientSampleId :

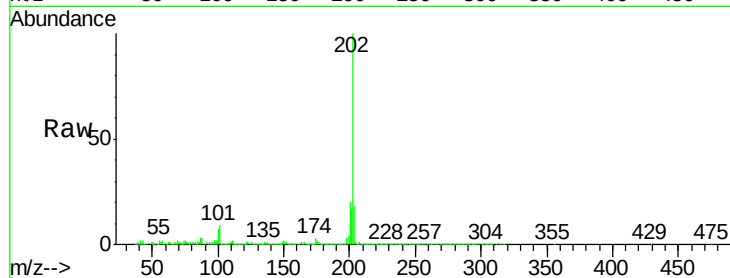
Tot Ion:202 Resp: 1730327

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

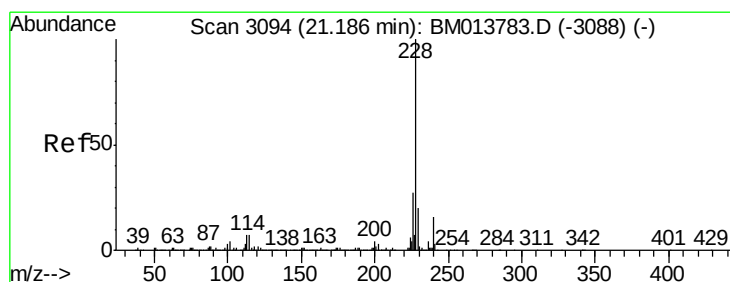
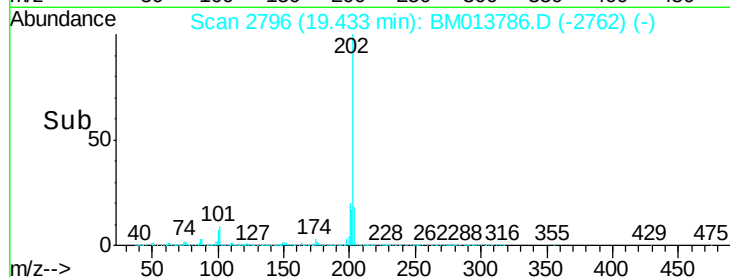
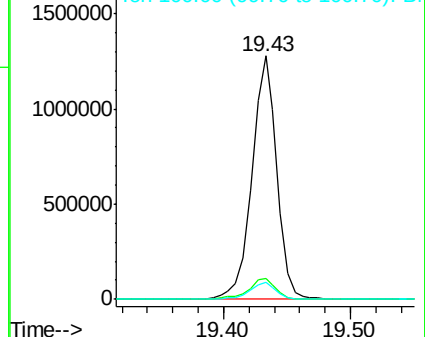
100 7.0 4.9 7.3



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: 5.673 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

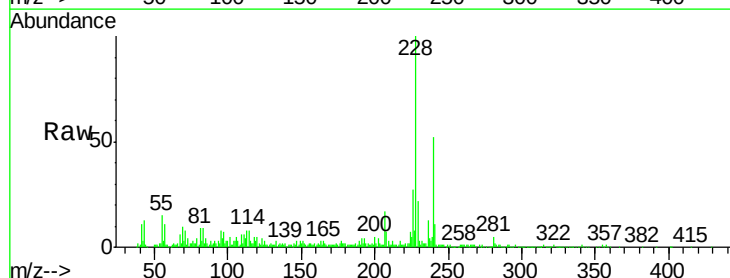
Tgt Ion:228 Resp: 276378

Ion Ratio Lower Upper

228 100

229 21.7 15.4 23.0

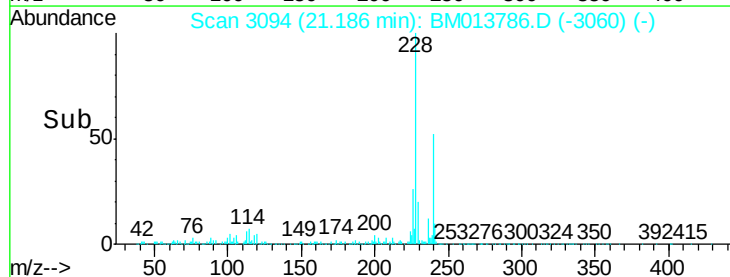
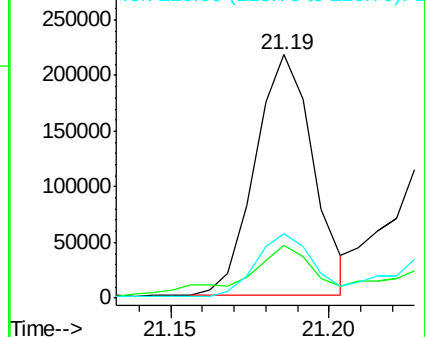
226 26.7 21.4 32.0

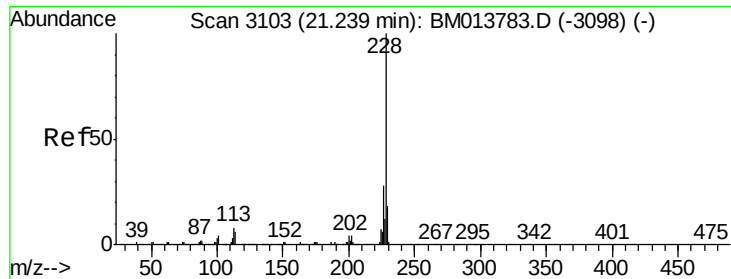


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 7.457 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

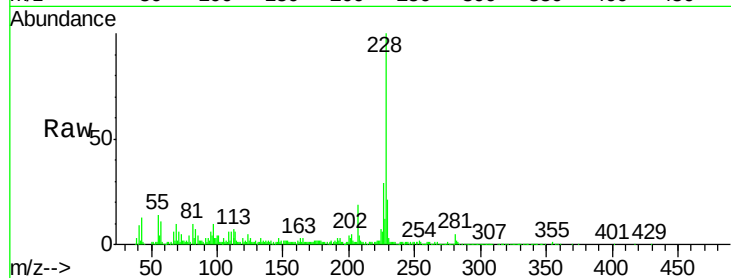
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 333313

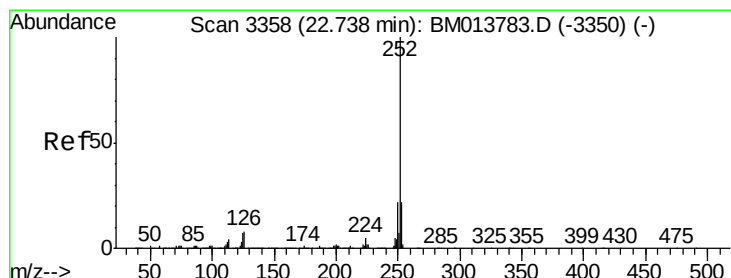
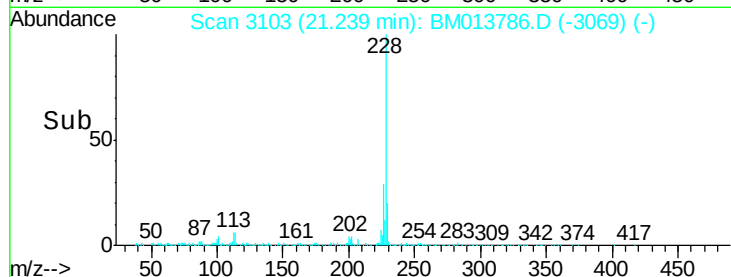
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	21.2	15.5	23.3



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: 3.781 ng/ul

RT: 22.74 min Scan# 3359

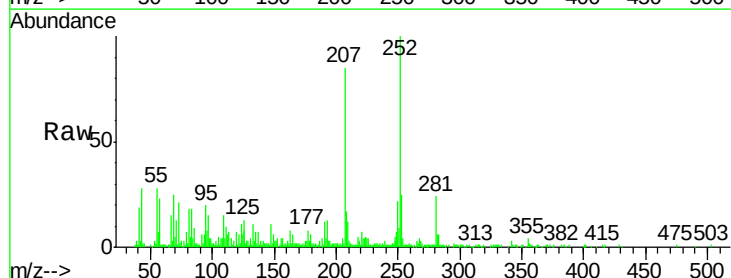
Delta R.T. 0.01 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Tgt Ion:252 Resp: 189615

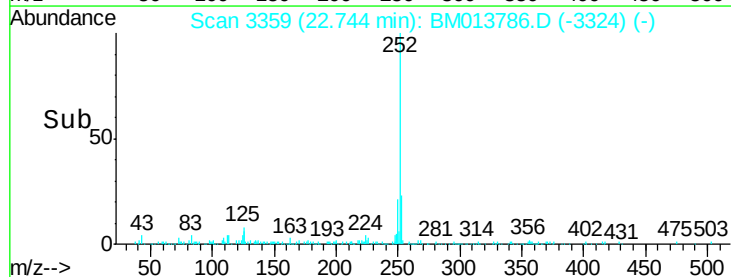
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	12.8	3.6	5.4

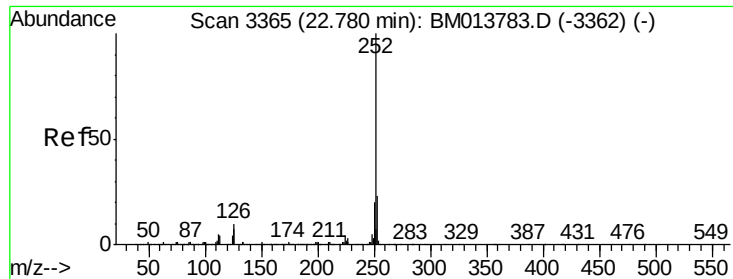


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.912 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Instrument :

BNA_M

ClientSampleId :

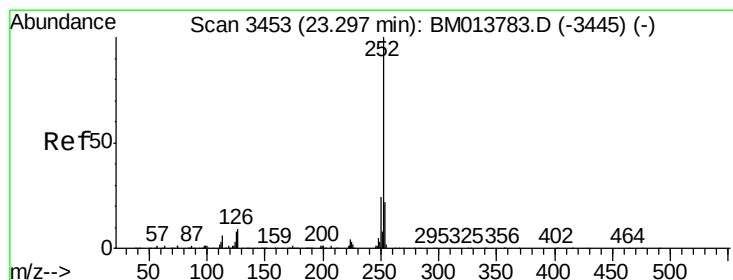
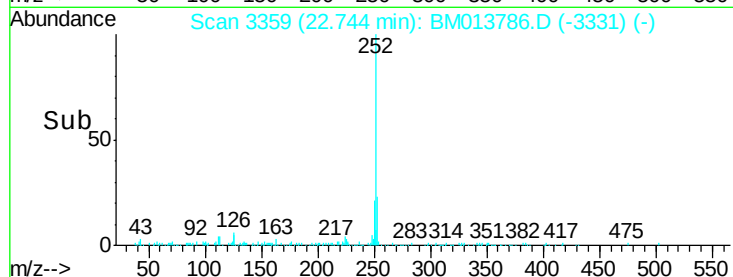
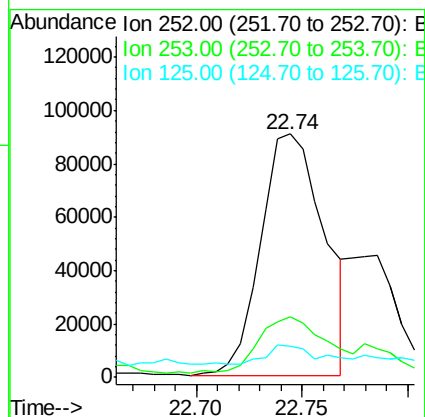
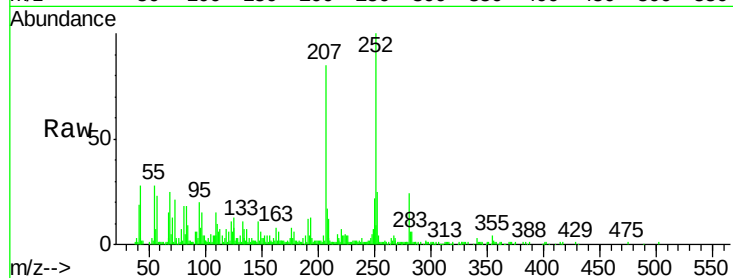
Tot Ion:252 Resp: 189615

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 12.8 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 1.558 ng/ul

RT: 23.30 min Scan# 3453

Delta R.T. 0.00 min

Lab File: BM013786.D

Acq: 25 Jan 2018 02:01

Tgt Ion:252 Resp: 73789

Ion Ratio Lower Upper

252 100

253 26.3 18.2 27.2

125 12.4 4.0 6.0#

