

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100617\
 Data File : BM011957.D
 Acq On : 07 Oct 2017 01:30
 Operator : SJ/JU
 Sample : I5462-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 07 06:37:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 05:58:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	303513	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1209609	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	678862	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1493754	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1694913	20.00	ng/ul	0.00
83) Perylene-d12	23.74	264	1851024	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	16568	2.58	ng/uL	0.00
5) Phenol-d5	7.02	99	348993	13.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.18	67	222077	14.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	306974	14.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	311308	13.79	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	141819	16.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	163935	16.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	316484	16.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	296144	13.84	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1014494	17.24	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1211098	17.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	117342	11.42	ng/ul	0.00
57) Fluorene-d10	15.49	176	851951	16.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	134525	13.38	ng/ul	0.00
70) Anthracene-d10	17.34	188	1364366	18.54	ng/ul	0.00
76) Pyrene-d10	19.63	212	1545030	20.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	1619744	18.19	ng/ul	0.00

Target Compounds

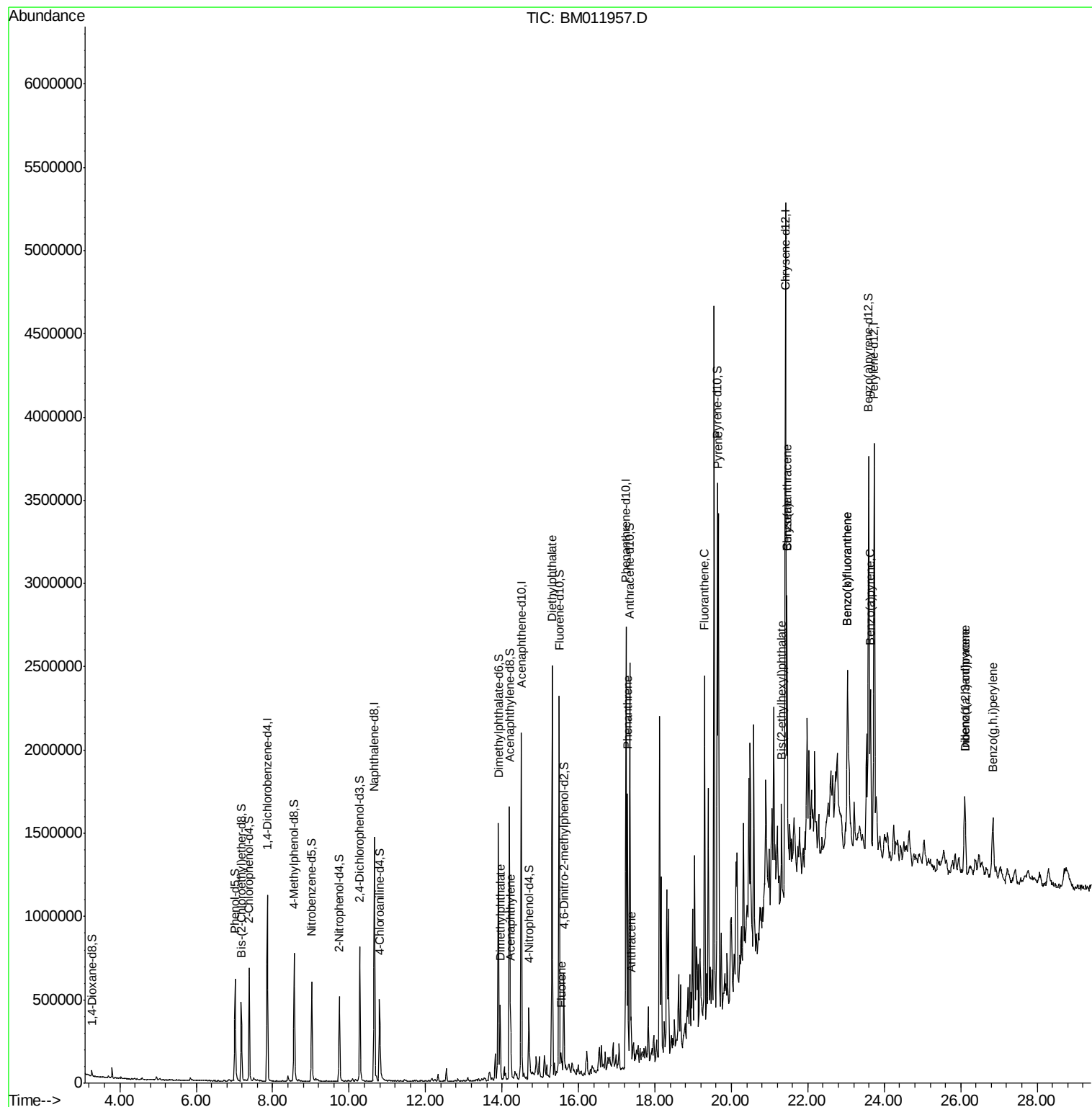
					Ovalue	
44) Dimethylphthalate	13.95	163	237575	4.197	ng/ul	100
47) Acenaphthylene	14.23	152	258380	3.854	ng/ul	99
56) Diethylphthalate	15.32	149	1334391	23.226	ng/ul	96
58) Fluorene	15.55	166	62720	1.116	ng/ul	96
69) Phenanthrene	17.29	178	941678	11.461	ng/ul	99
71) Anthracene	17.37	178	167539	2.004	ng/ul	97
74) Fluoranthene	19.30	202	1016444	10.139	ng/ul#	90
77) Pyrene	19.66	202	1694236	18.028	ng/ul#	89
80) Benzo(a)anthracene	21.46	228	978303	10.075	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.32	149	165400	3.020	ng/ul	98
82) Chrysene	21.46	228	973302	10.550	ng/ul	96
85) Benzo(b)fluoranthene	23.04	252	1073541	9.542	ng/ul#	95
86) Benzo(k)fluoranthene	23.04	252	1073541	9.557	ng/ul#	93
88) Benzo(a)pyrene	23.64	252	682337	6.311	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.11	276	457160	3.952	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.11	278	131809	1.387	ng/ul#	68
91) Benzo(g,h,i)perylene	26.84	276	483717	5.055	ng/ul#	91

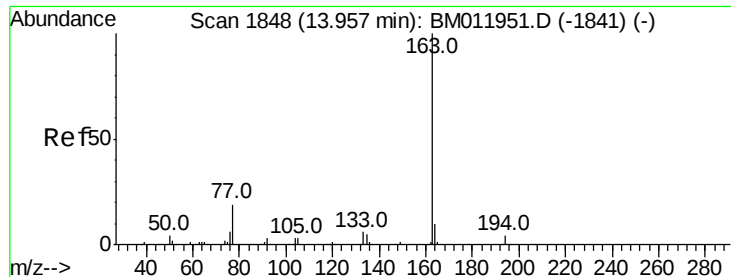
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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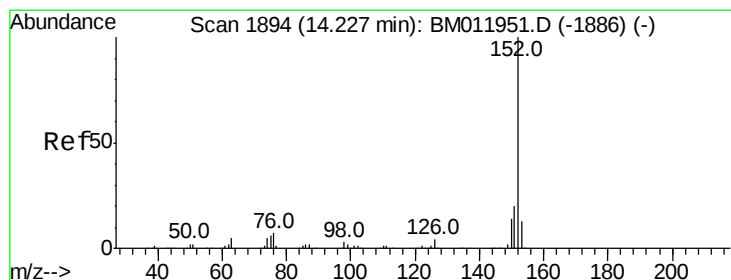
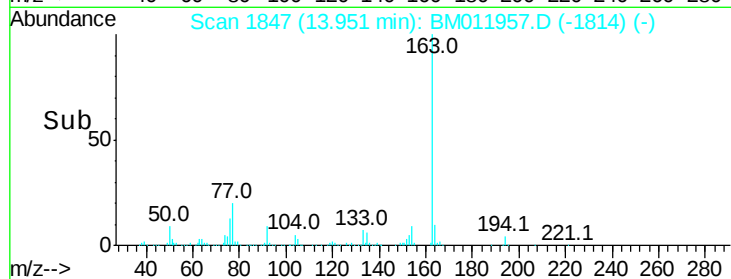
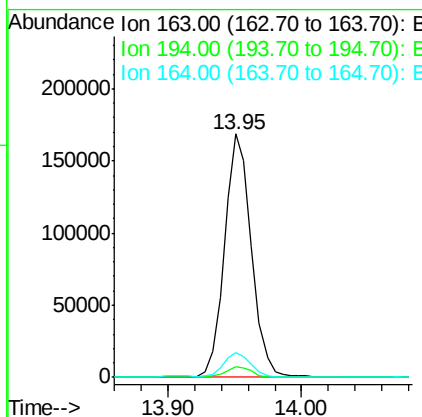
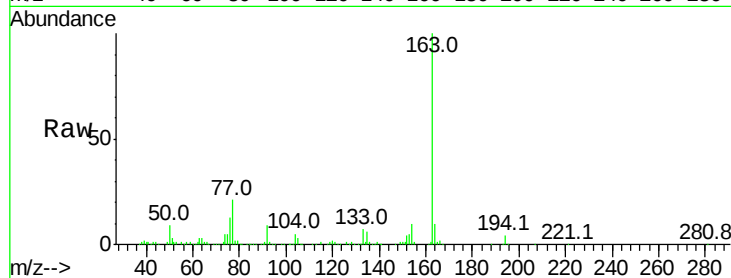




#44
Dimethylphthalate
Concen: 4.197 ng/ul
RT: 13.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM011957.D
Acq: 07 Oct 2017 01:30

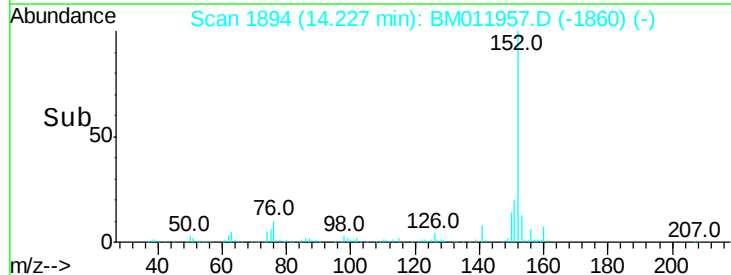
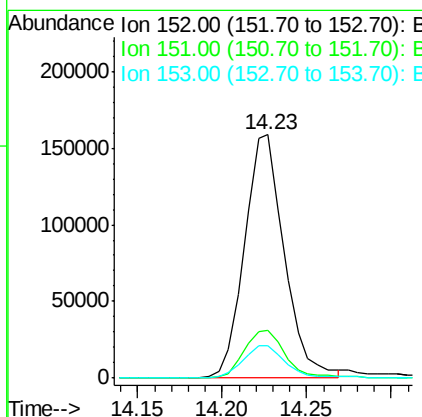
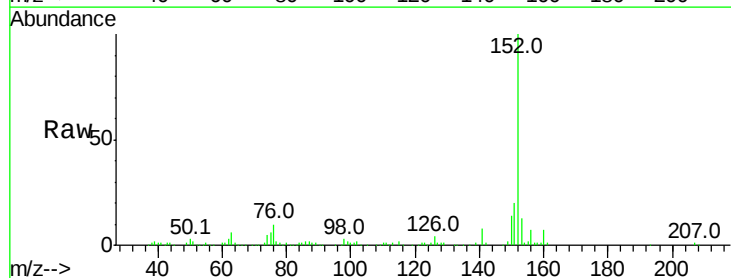
Instrument :
BNA_M
ClientSampleId :

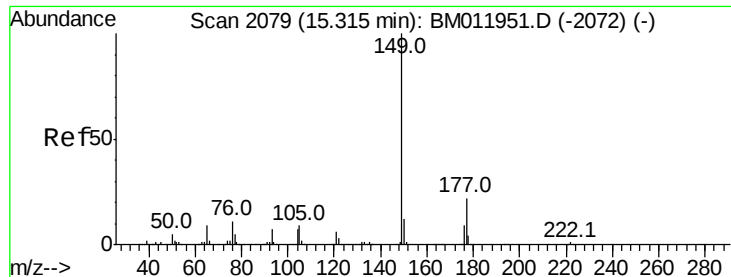
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.4	8.2	12.4



#47
Acenaphthylene
Concen: 3.854 ng/ul
RT: 14.23 min Scan# 1894
Delta R.T. 0.00 min
Lab File: BM011957.D
Acq: 07 Oct 2017 01:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	13.5	10.2	15.4

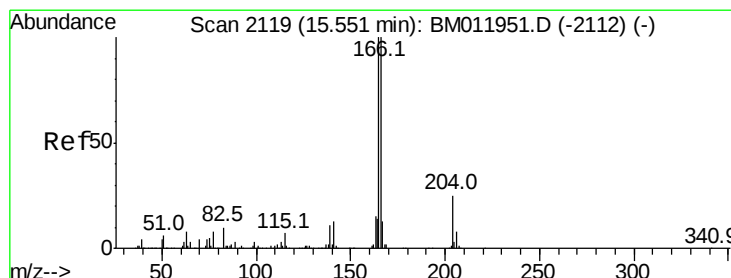
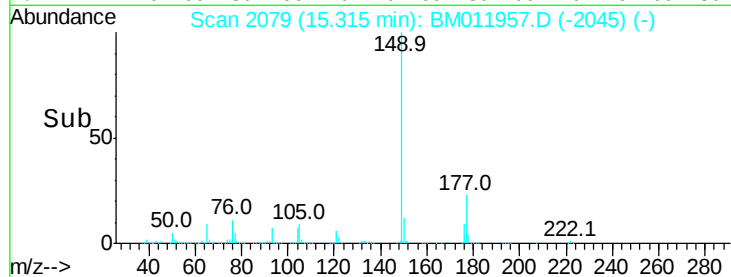
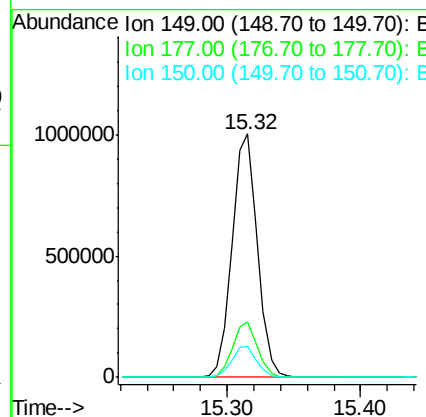
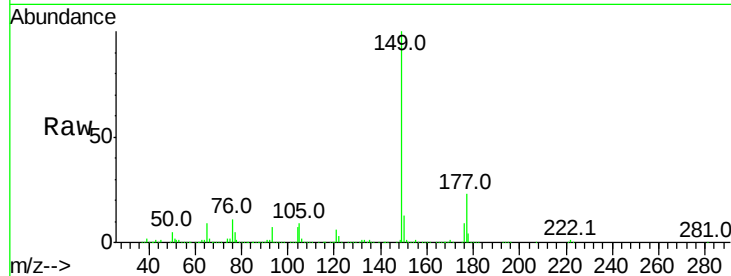




#56
Diethylphthalate
Concen: 23.226 ng/ul
RT: 15.32 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BM011957.D
Acq: 07 Oct 2017 01:30

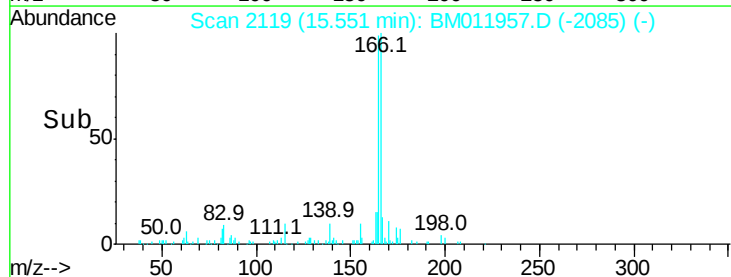
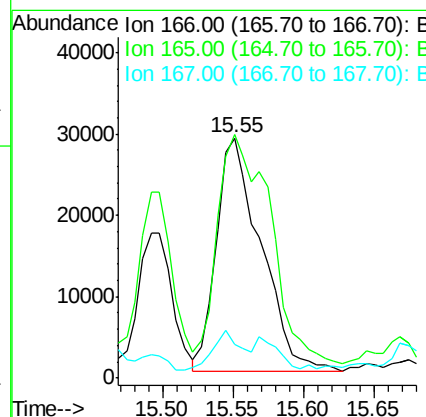
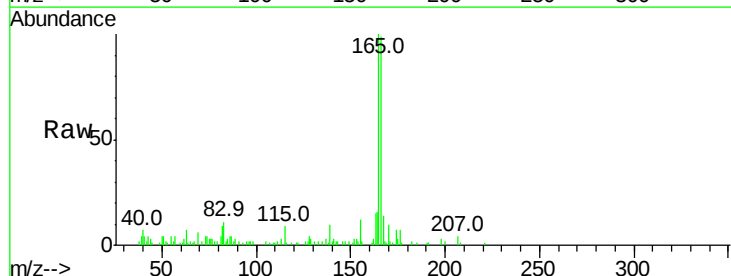
Instrument :
BNA_M
ClientSampleId :

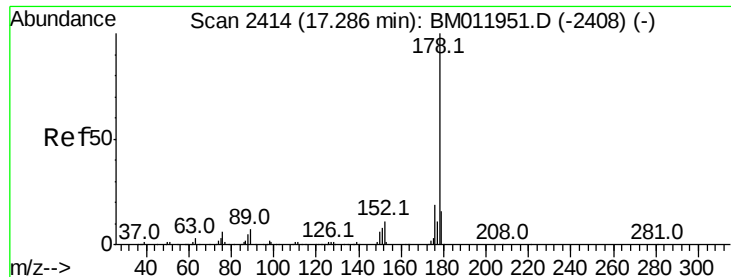
Tot Ion:149 Resp: 1334391
Ion Ratio Lower Upper
149 100
177 22.7 20.5 30.7
150 12.5 10.6 15.8



#58
Fluorene
Concen: 1.116 ng/ul
RT: 15.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BM011957.D
Acq: 07 Oct 2017 01:30

Tgt Ion:166 Resp: 62720
Ion Ratio Lower Upper
166 100
165 101.4 77.9 116.9
167 14.0 10.6 16.0





#69

Phenanthrene

Concen: 11.461 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

Instrument :

BNA_M

ClientSampleId :

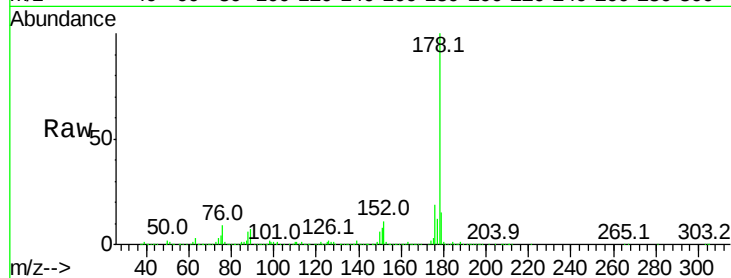
Tot Ion:178 Resp: 941678

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

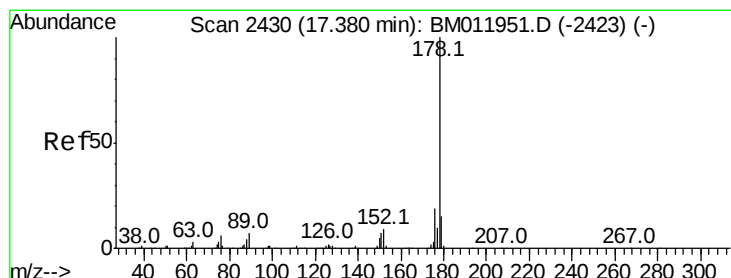
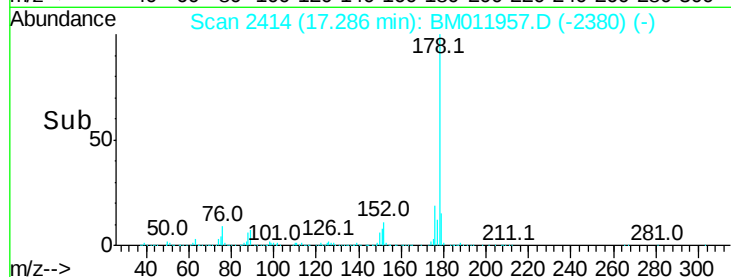
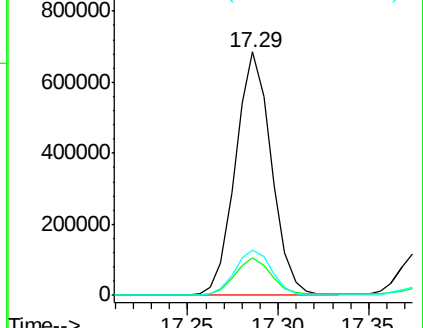
176 18.7 14.9 22.3



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: 2.004 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

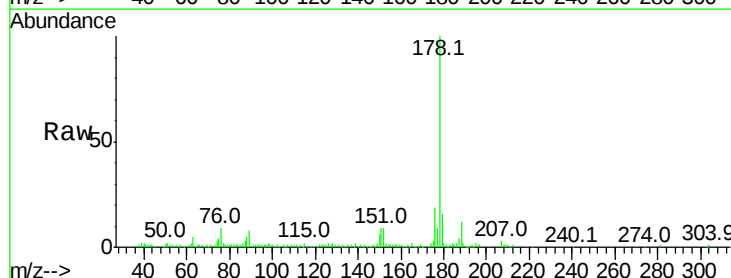
Tgt Ion:178 Resp: 167539

Ion Ratio Lower Upper

178 100

179 15.8 11.7 17.5

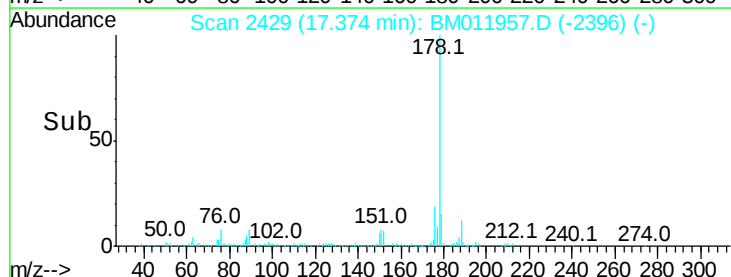
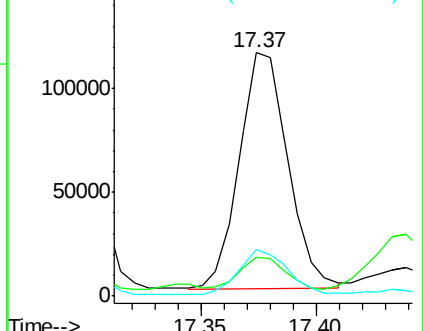
176 19.3 14.6 21.8

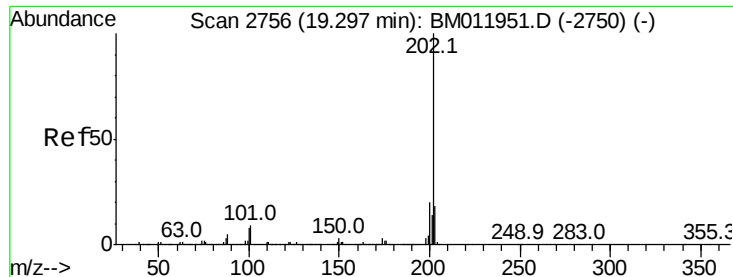


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 10.139 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

Instrument :

BNA_M

ClientSampleId :

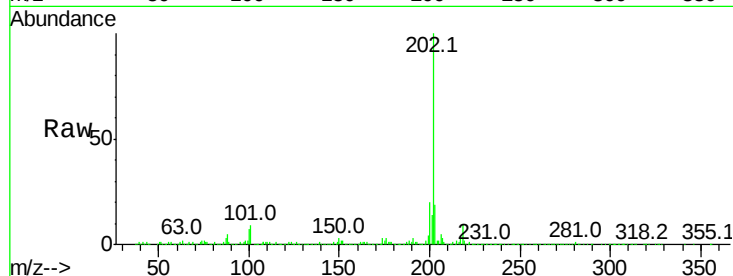
Tot Ion:202 Resp: 1016444

Ion Ratio Lower Upper

202 100

101 9.5 4.6 7.0#

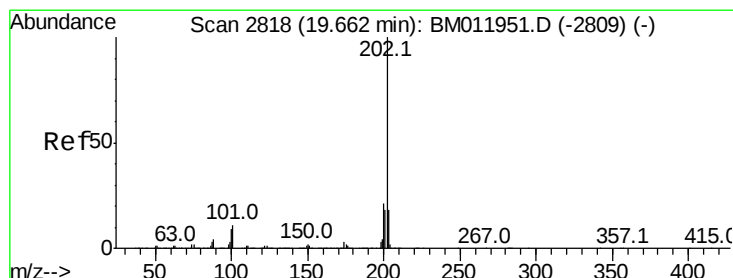
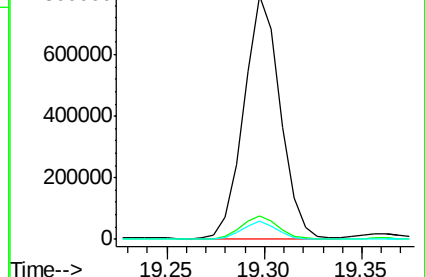
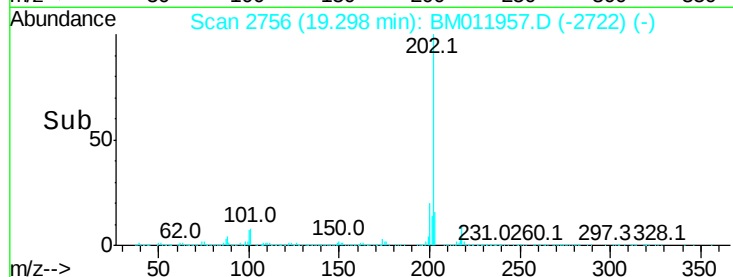
100 7.5 3.4 5.2#



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: 18.028 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

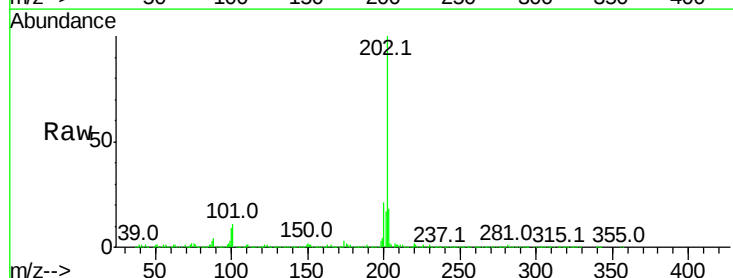
Tgt Ion:202 Resp: 1694236

Ion Ratio Lower Upper

202 100

101 11.0 5.1 7.7#

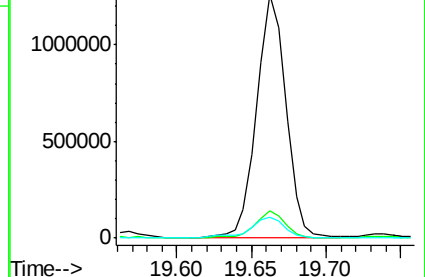
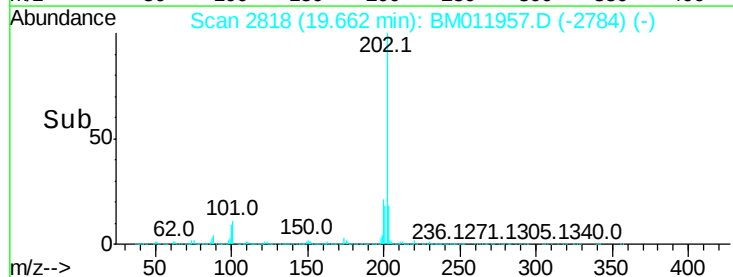
100 8.7 4.9 7.3#

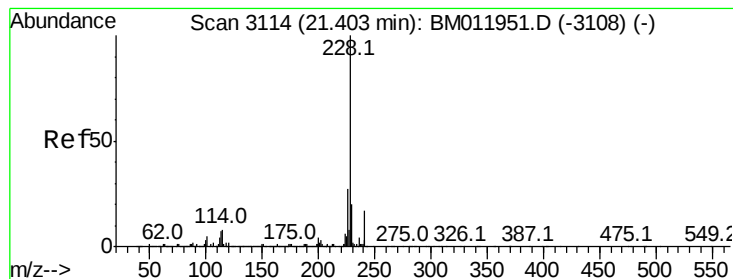


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 10.075 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.05 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

Instrument :

BNA_M

ClientSampleId :

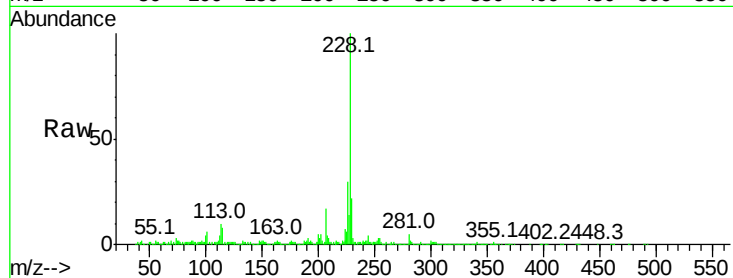
Tot Ion:228 Resp: 978303

Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.4	23.0
226	30.3	21.4	32.0

228 100

229 22.4 15.4 23.0

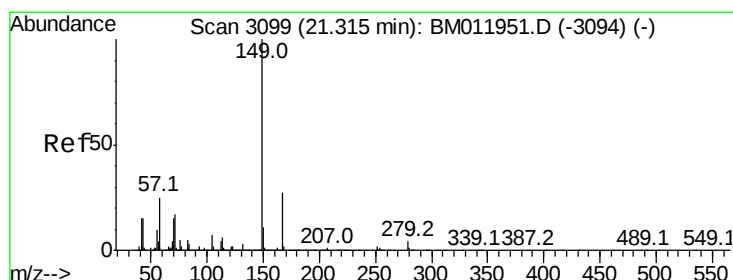
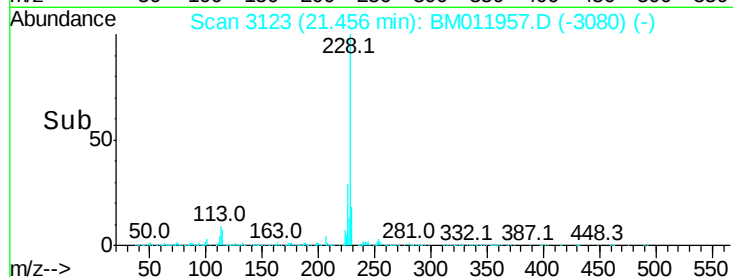
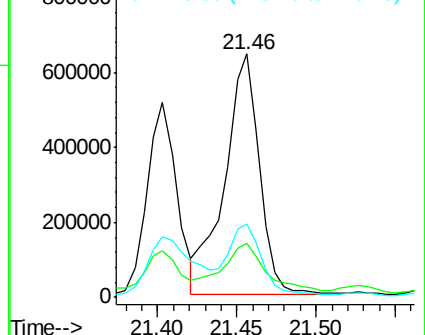
226 30.3 21.4 32.0



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: 3.020 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

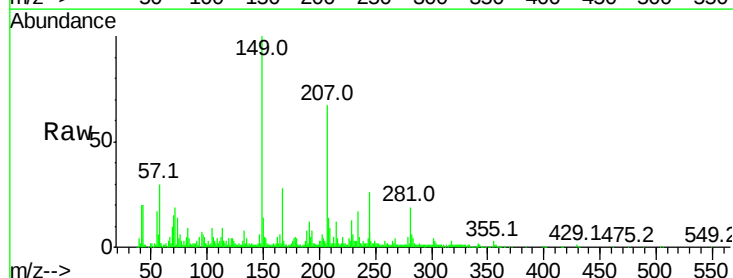
Tgt Ion:149 Resp: 165400

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.8	34.2
279	4.9	4.9	7.3

149 100

167 27.8 22.8 34.2

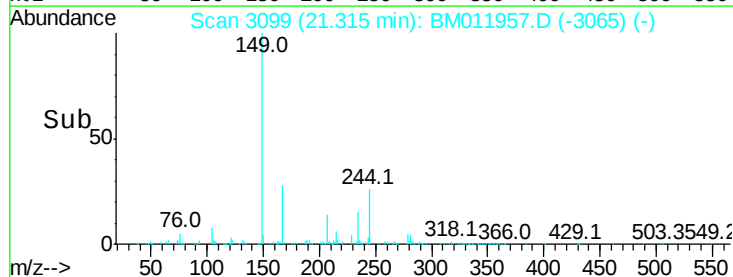
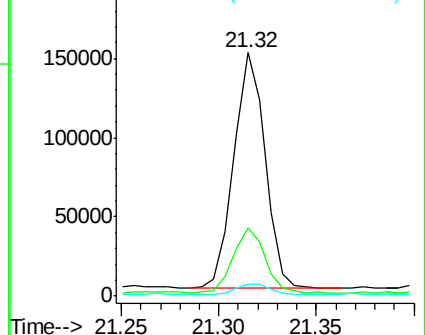
279 4.9 4.9 7.3

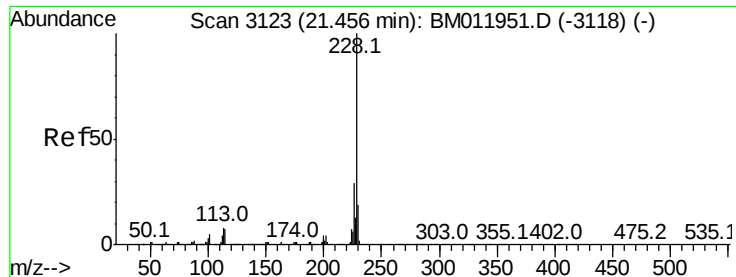


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 10.550 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

Instrument :

BNA_M

ClientSampleId :

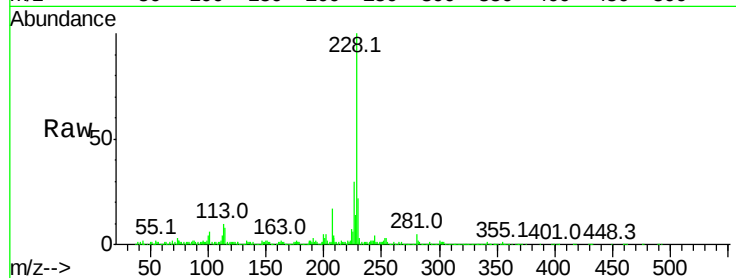
Tot Ion:228 Resp: 973302

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.4	15.5	23.3

228 100

226 30.3 23.4 35.2

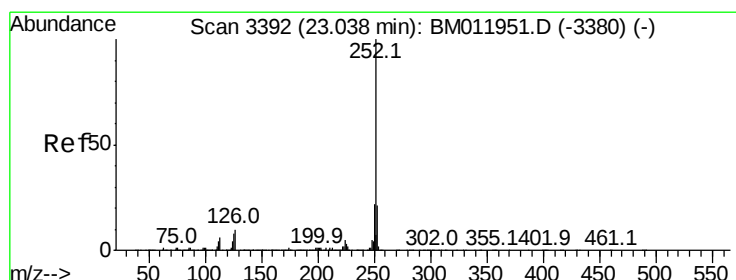
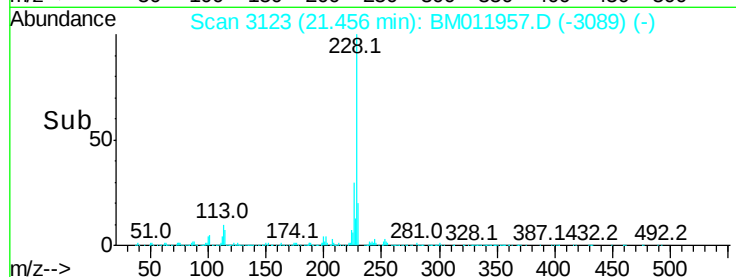
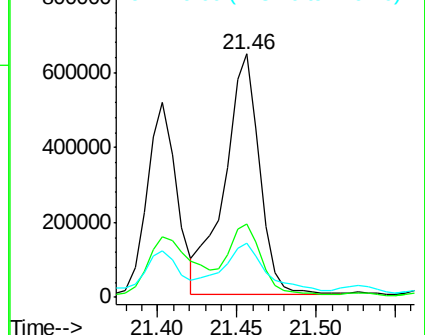
229 22.4 15.5 23.3



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: 9.542 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.00 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

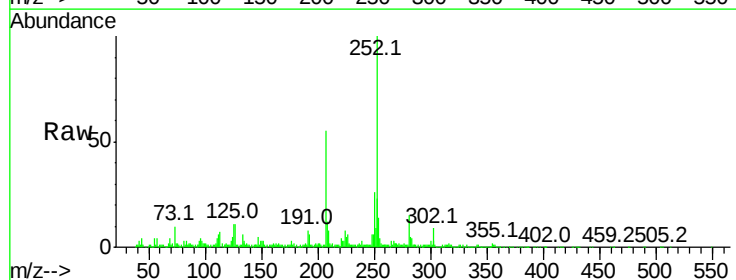
Tgt Ion:252 Resp: 1073541

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.6	3.6	5.4

252 100

253 23.3 17.9 26.9

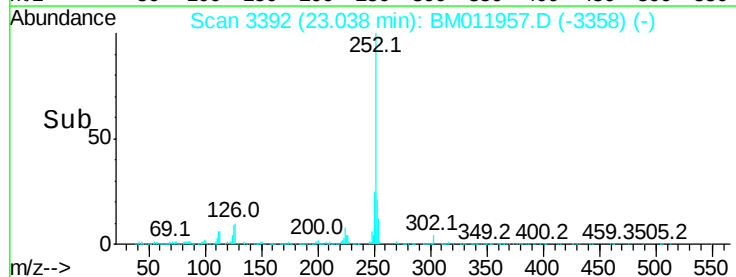
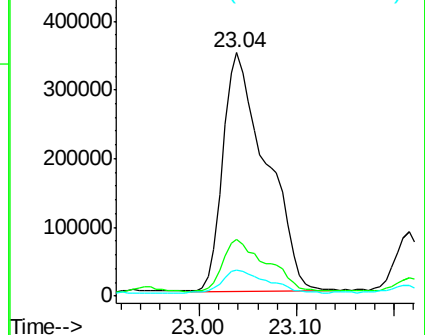
125 10.6 3.6 5.4

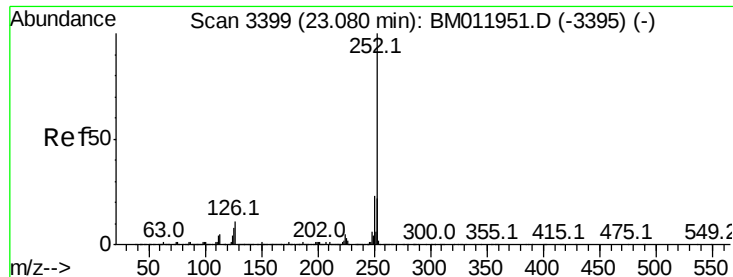


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 9.557 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.04 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

Instrument :

BNA_M

ClientSampleId :

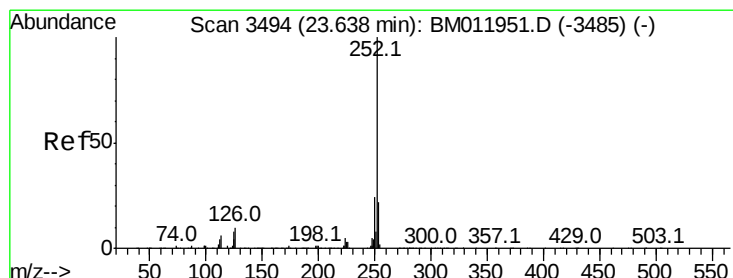
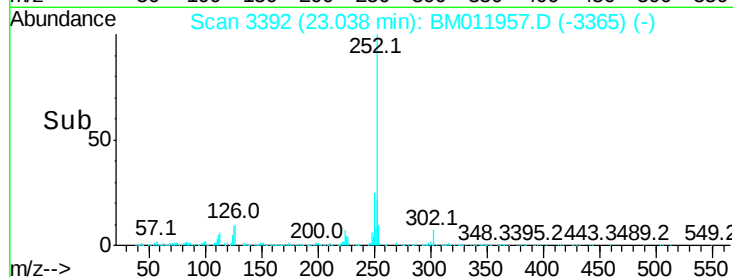
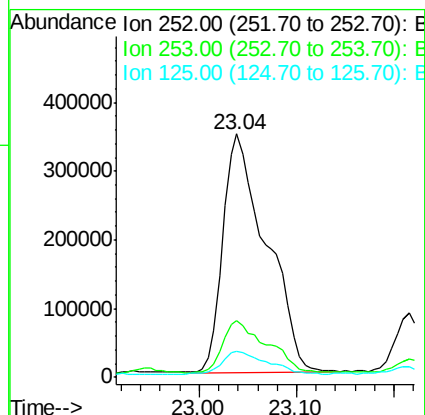
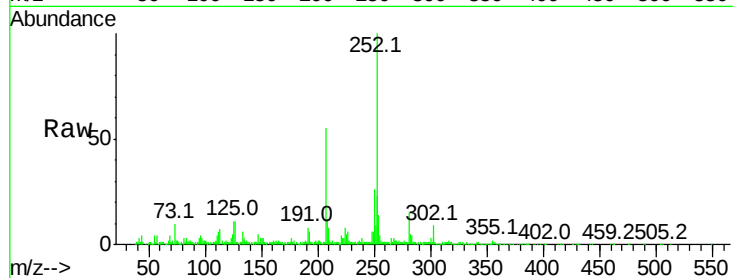
Tot Ion:252 Resp: 1073541

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 10.6 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 6.311 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.00 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

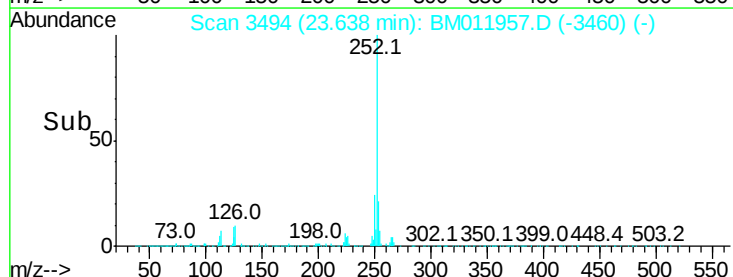
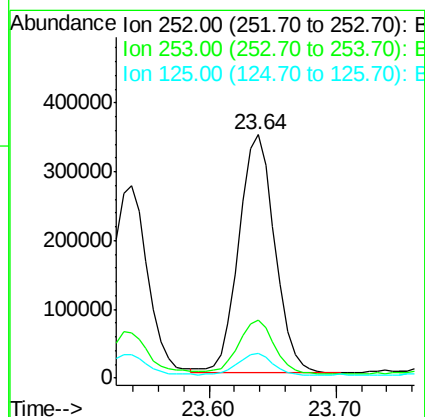
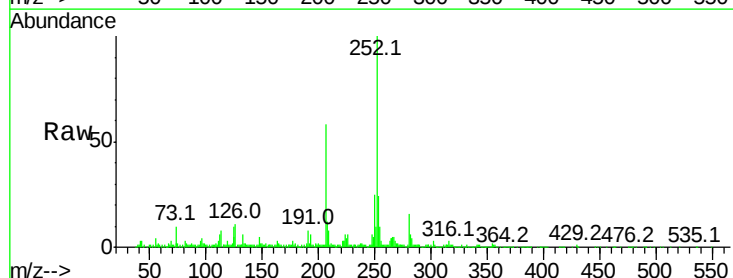
Tgt Ion:252 Resp: 682337

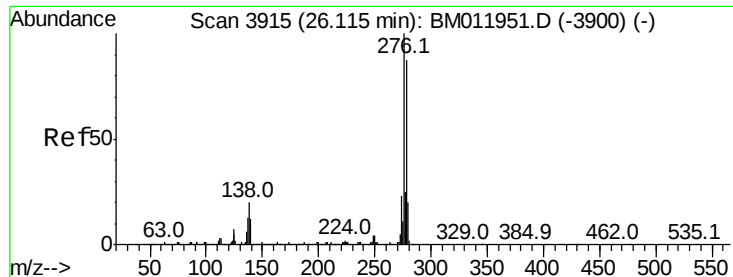
Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 10.2 4.0 6.0#



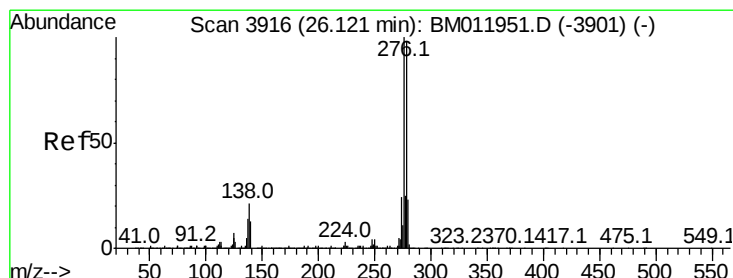
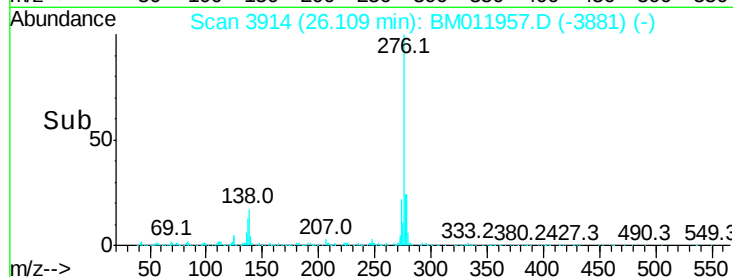
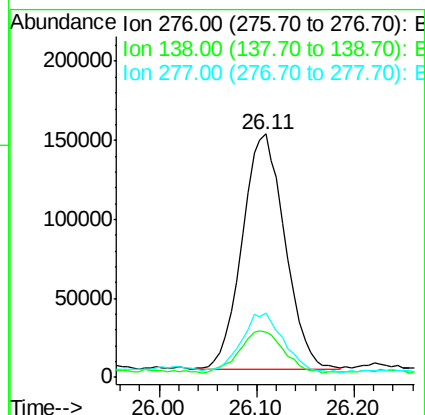
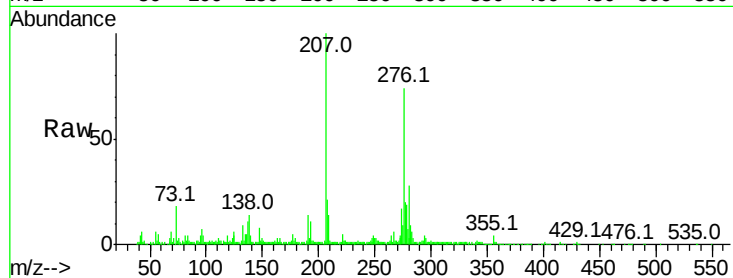


#89

Indeno(1,2,3-cd)pyrene
Concen: 3.952 ng/ul
RT: 26.11 min Scan# 3914
Delta R.T. -0.01 min
Lab File: BM011957.D
Acq: 07 Oct 2017 01:30

Instrument :
BNA_M
ClientSampleId :

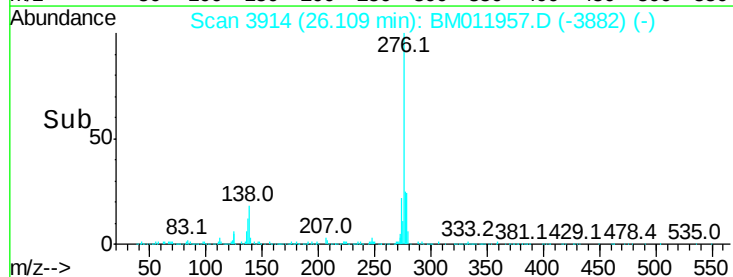
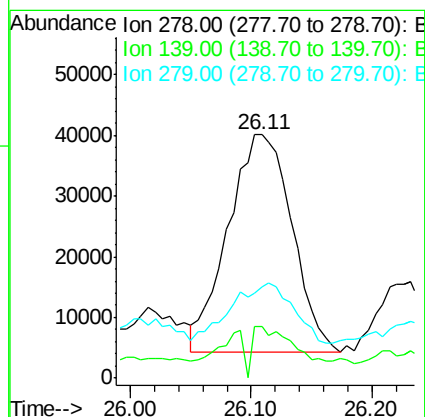
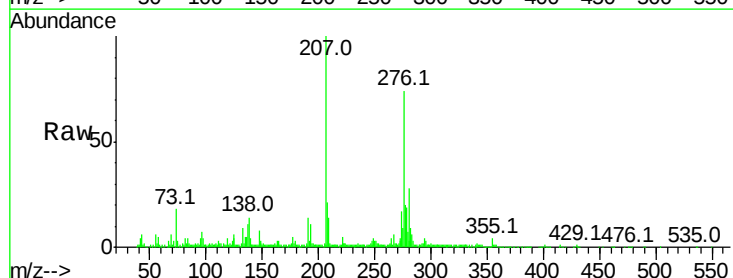
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	9.3	13.9#
277	26.3	19.9	29.9

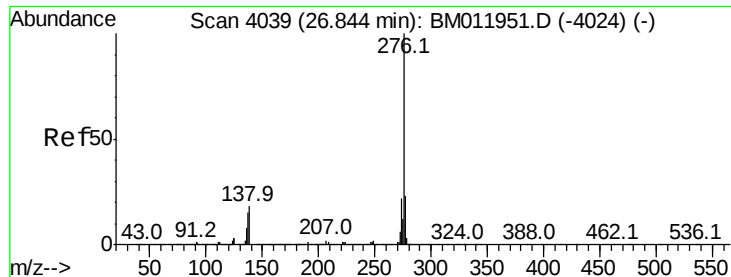


#90

Dibenzo(a,h)anthracene
Concen: 1.387 ng/ul
RT: 26.11 min Scan# 3914
Delta R.T. -0.01 min
Lab File: BM011957.D
Acq: 07 Oct 2017 01:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	5.8	8.8#
279	37.5	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 5.055 ng/ul

RT: 26.84 min Scan# 4038

Delta R.T. -0.01 min

Lab File: BM011957.D

Acq: 07 Oct 2017 01:30

Instrument :

BNA_M

ClientSampleId :

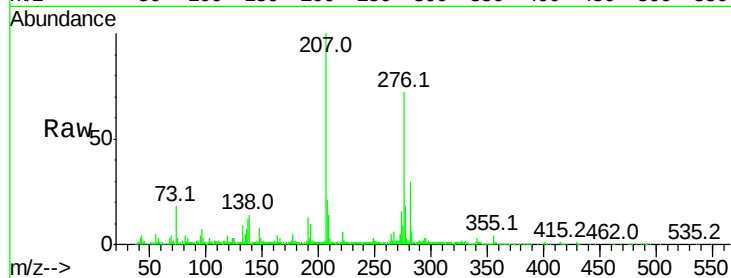
Tot Ion:276 Resp: 483717

Ion Ratio Lower Upper

276 100

138 19.4 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

