

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121817\
 Data File : BM013500.D
 Acq On : 18 Dec 2017 16:00
 Operator : SJ/JU
 Sample : I6775-15MEDL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 19 00:43:32 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 00:41:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	233933	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	986304	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	563836	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1154543	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	882585	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	758002	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	5075	1.07	ng/uL	0.00
5) Phenol-d5	6.85	99	137770	6.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	76446	6.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	111036	7.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	117299	6.78	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	60842	7.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	59728	7.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	112592	6.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	123677	7.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	347932	6.93	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	435594	7.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	34543	3.96	ng/ul	0.01
57) Fluorene-d10	15.31	176	283663	6.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	36156	4.98	ng/ul	0.00
70) Anthracene-d10	17.16	188	409597	7.08	ng/ul	0.00
76) Pyrene-d10	19.46	212	398127	9.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	268337	6.95	ng/ul	0.00

Target Compounds

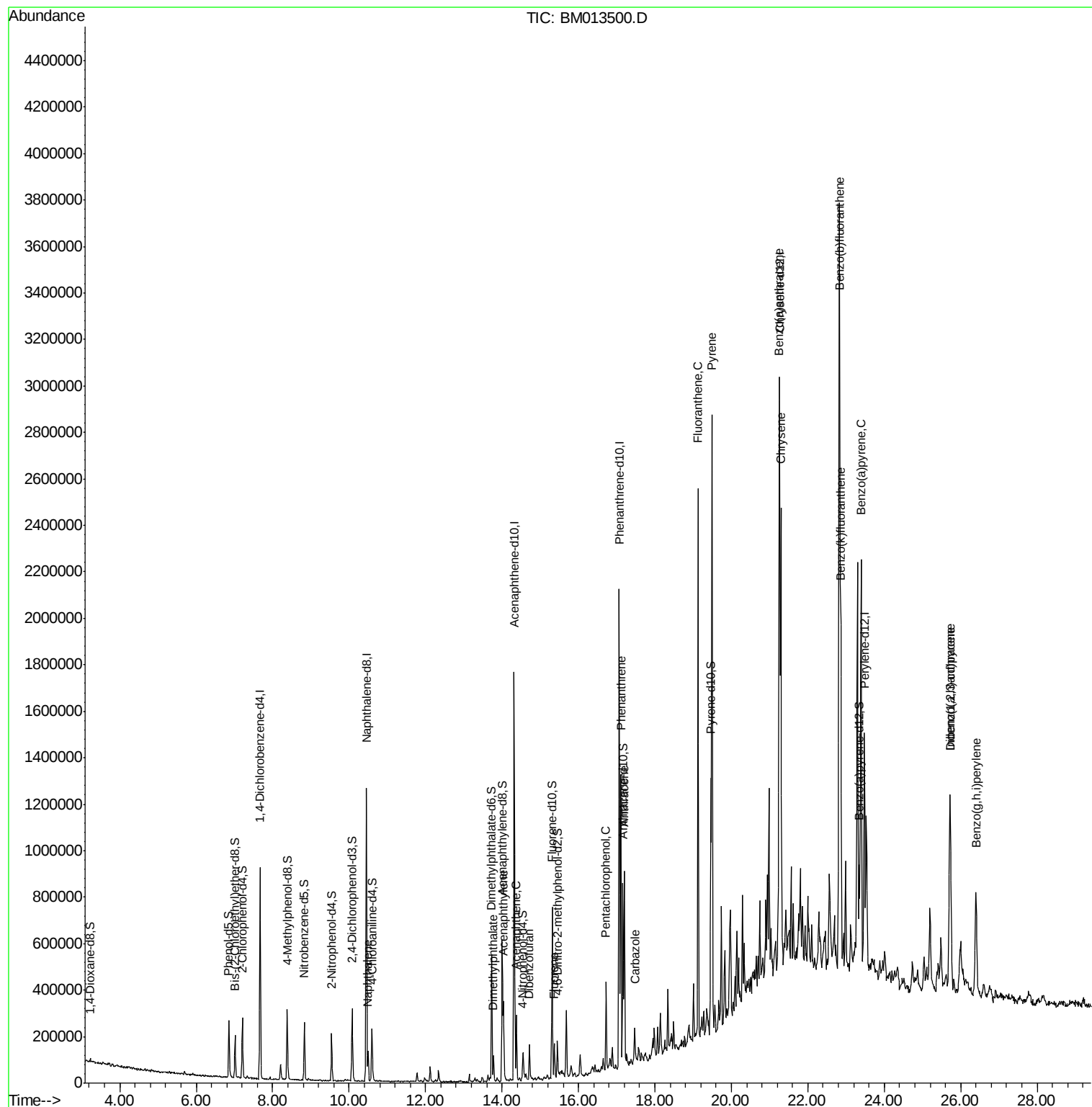
					Ovalue	
28) Naphthalene	10.50	128	100355	1.978	ng/ul#	95
44) Dimethylphthalate	13.78	163	59052	1.231	ng/ul	98
47) Acenaphthylene	14.04	152	272489	4.756	ng/ul	99
49) Acenaphthene	14.38	153	110022	2.819	ng/ul	94
53) Dibenzofuran	14.72	168	89474	1.553	ng/ul	98
58) Fluorene	15.37	166	63617	1.335	ng/ul	96
68) Pentachlorophenol	16.72	266	44072	5.091	ng/ul	96
69) Phenanthrene	17.11	178	735758	11.217	ng/ul	99
71) Anthracene	17.20	178	495519	7.391	ng/ul	97
72) Carbazole	17.47	167	81102	1.406	ng/ul#	95
74) Fluoranthene	19.13	202	1408704	17.525	ng/ul#	95
77) Pyrene	19.49	202	1665487	31.061	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	963190	17.200	ng/ul	94
82) Chrysene	21.30	228	790330	15.213	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	2674388	52.338	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	817200	16.994	ng/ul#	98
88) Benzo(a)pyrene	23.39	252	1231079	26.820	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	770279	16.913	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.71	278	196322	5.062	ng/ul#	93
91) Benzo(g,h,i)perylene	26.40	276	567331	15.792	ng/ul#	95

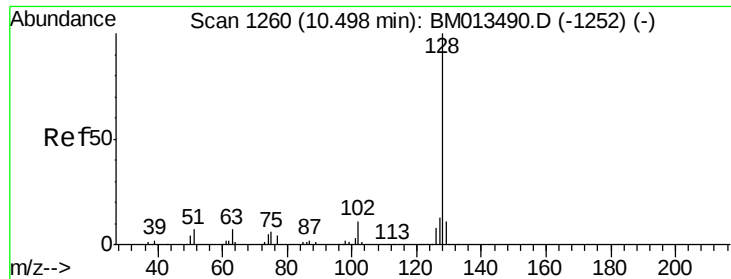
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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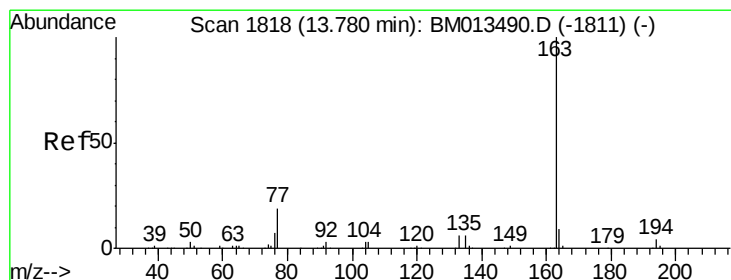
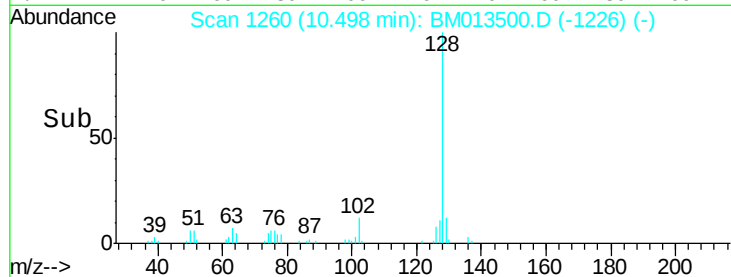
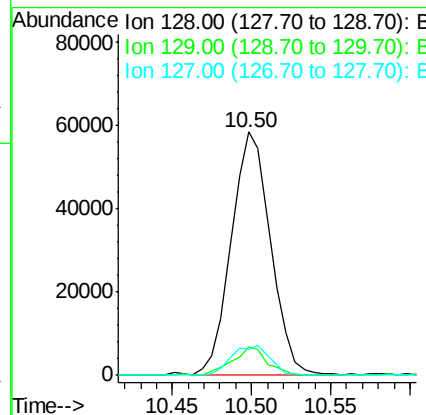
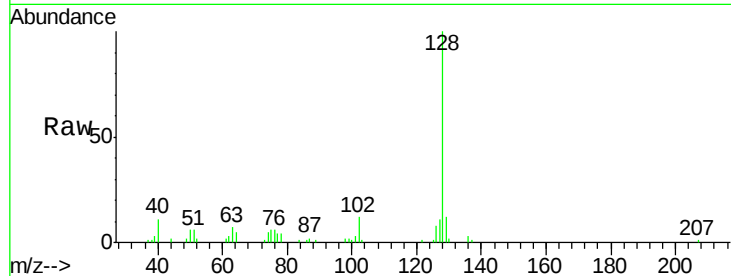




#28
Naphthalene
Concen: 1.978 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

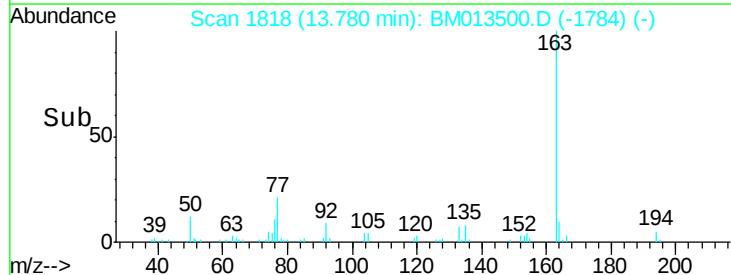
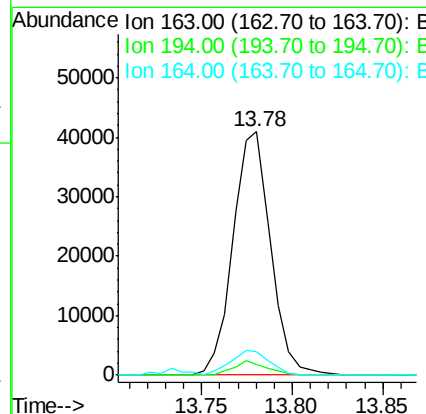
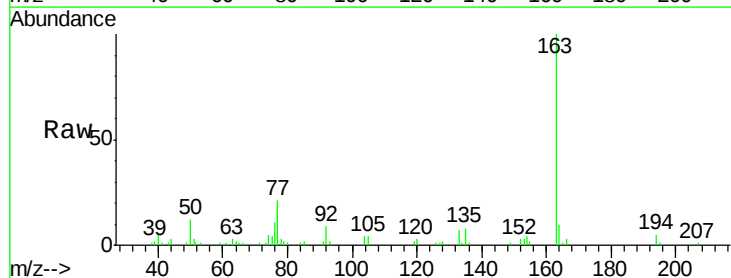
Instrument :
BNA_M
ClientSampleId :

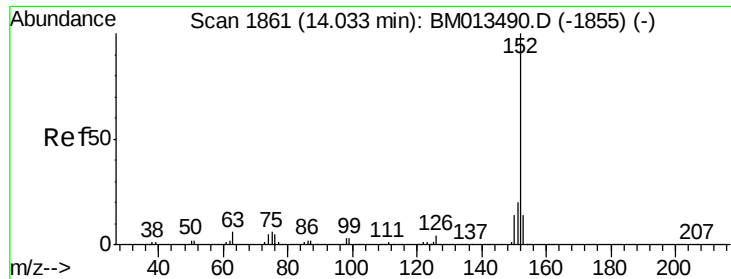
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	10.5	10.6	16.0#



#44
Dimethylphthalate
Concen: 1.231 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.5	8.2	12.4





#47

Acenaphthylene

Concen: 4.756 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

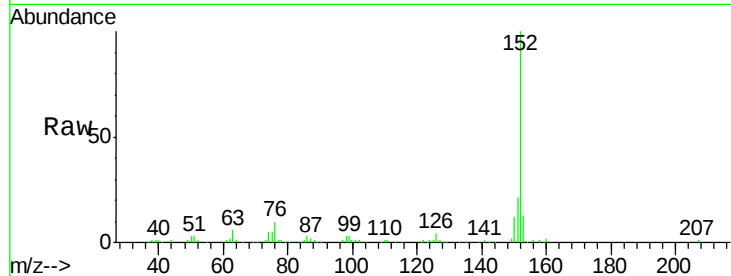
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 272489

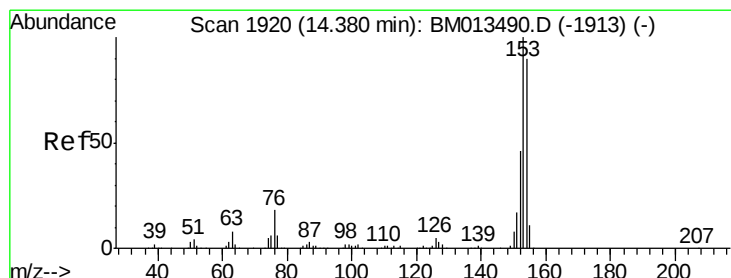
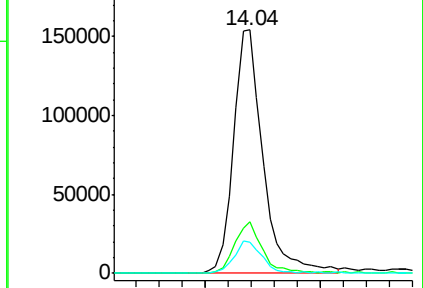
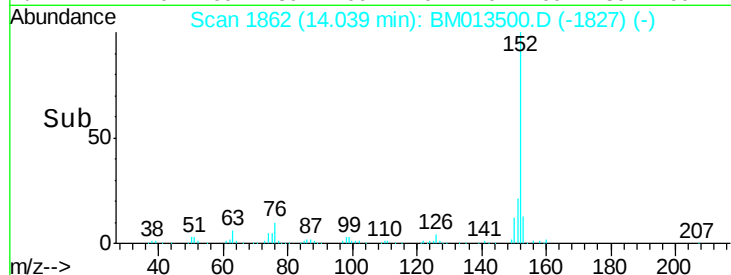
Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5
153	12.8	10.2	15.4



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



#49

Acenaphthene

Concen: 2.819 ng/ul

RT: 14.38 min Scan# 1920

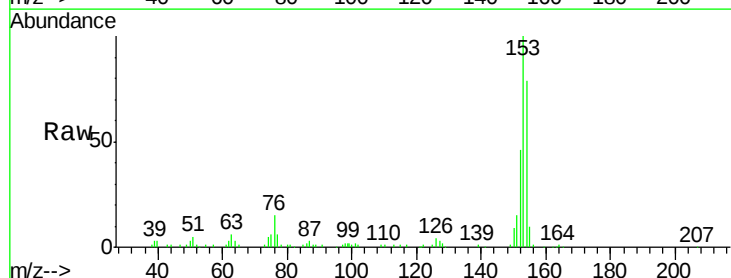
Delta R.T. 0.00 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Tgt Ion:153 Resp: 110022

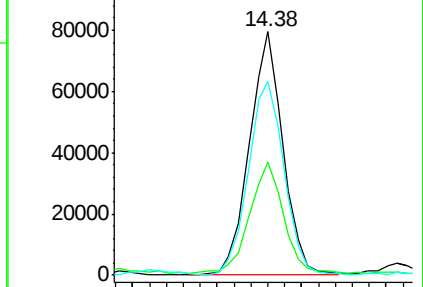
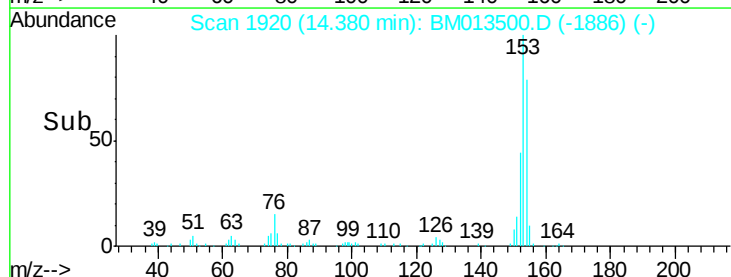
Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.6	56.4
154	79.3	70.4	105.6

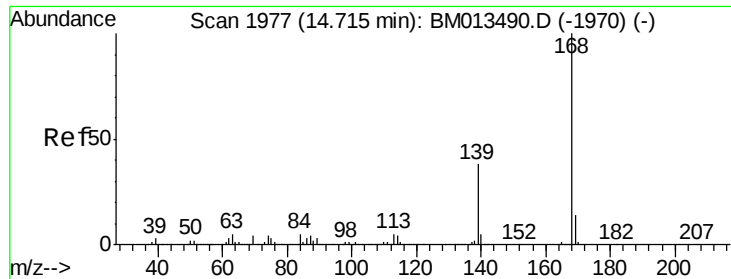


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.553 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

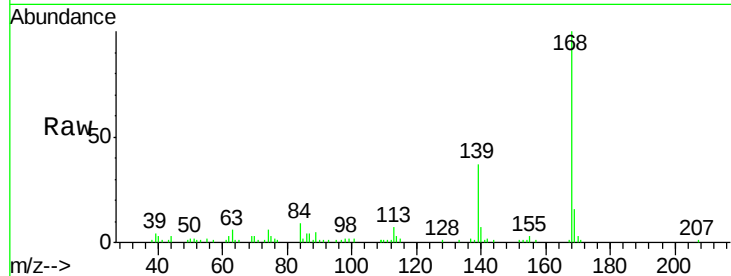
ClientSampleId :

Tot Ion:168 Resp: 89474

Ion Ratio Lower Upper

168 100

139 37.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

60000

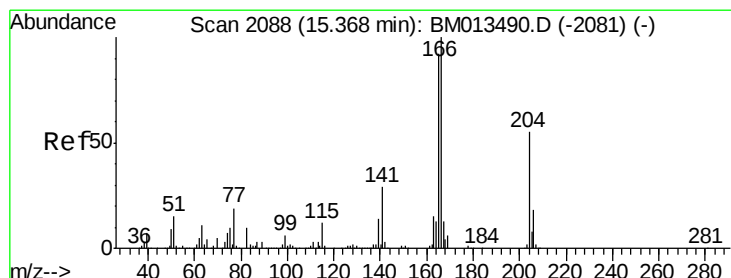
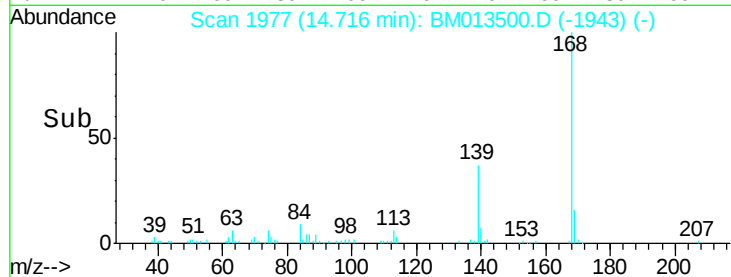
40000

20000

0

14.65 14.70 14.75

Time-->



#58

Fluorene

Concen: 1.335 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

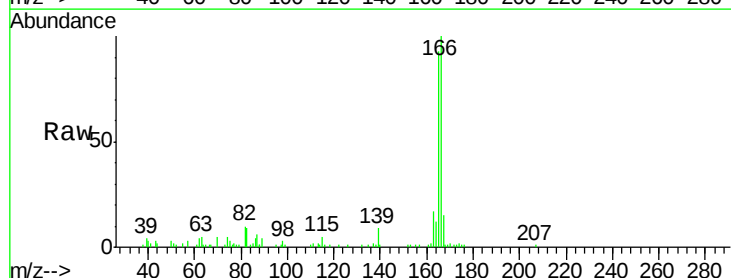
Tgt Ion:166 Resp: 63617

Ion Ratio Lower Upper

166 100

165 93.1 77.9 116.9

167 15.4 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

60000

50000

40000

30000

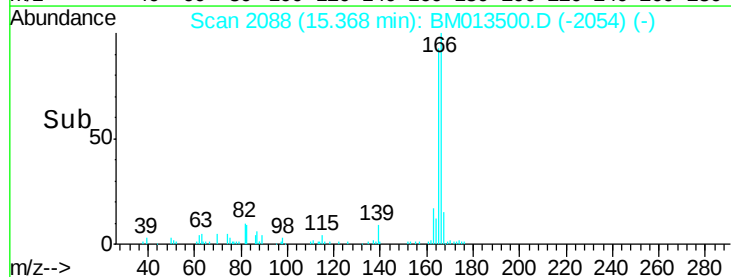
20000

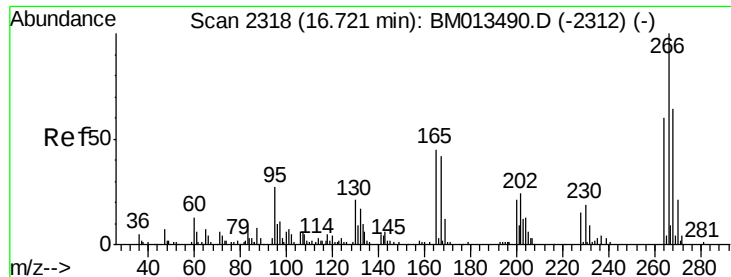
10000

0

15.30 15.35 15.40

Time-->

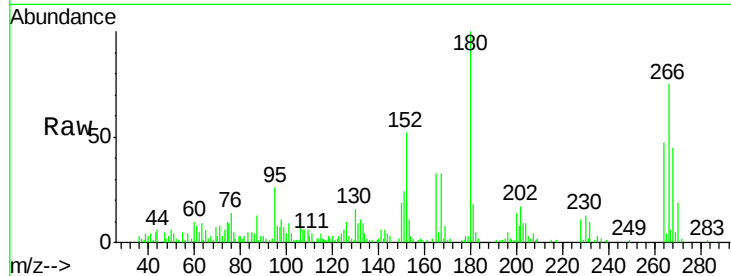




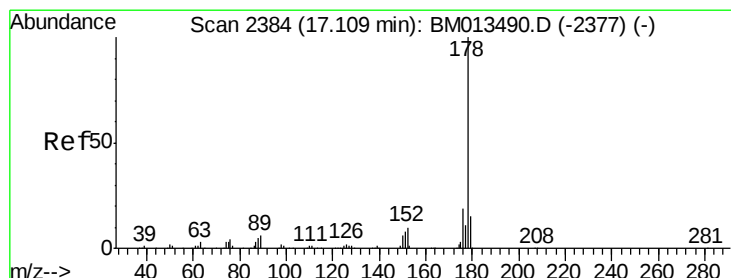
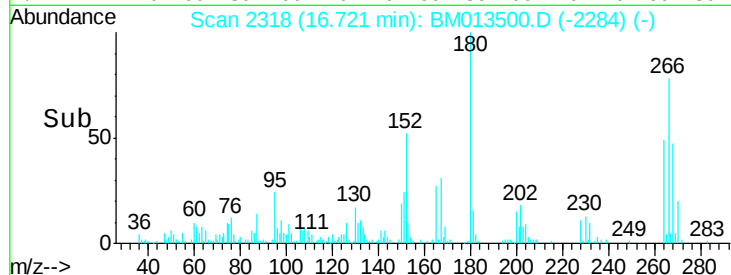
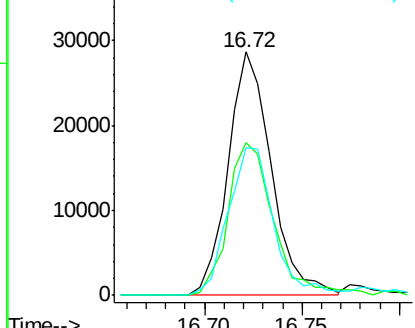
#68
 Pentachlorophenol
 Concen: 5.091 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:266 Resp: 44072
 Ion Ratio Lower Upper
 266 100
 264 62.6 49.3 73.9
 268 60.5 52.6 78.8

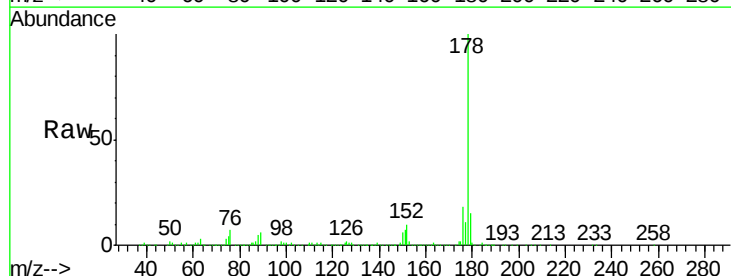


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

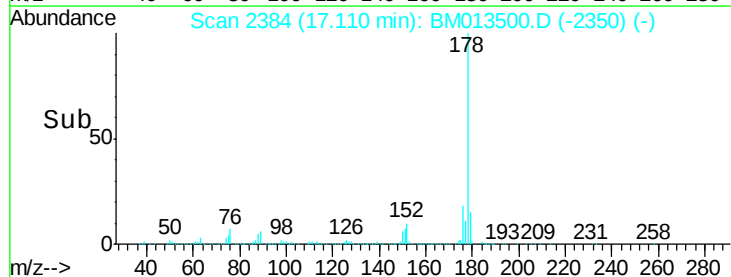
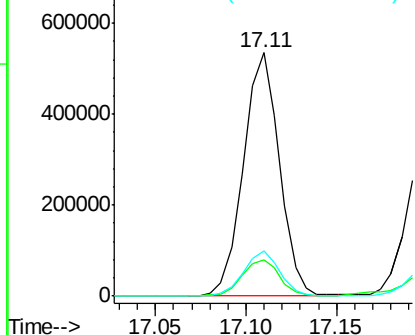


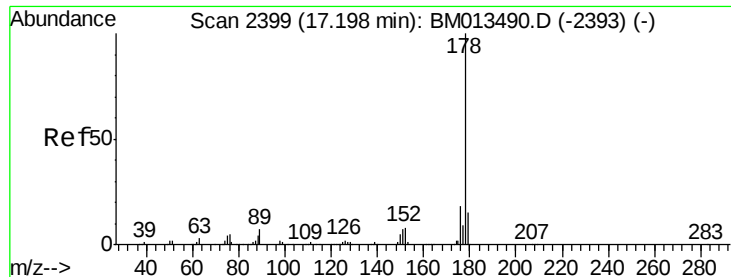
#69
 Phenanthrene
 Concen: 11.217 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

Tgt Ion:178 Resp: 735758
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.6 19.0
 176 18.3 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

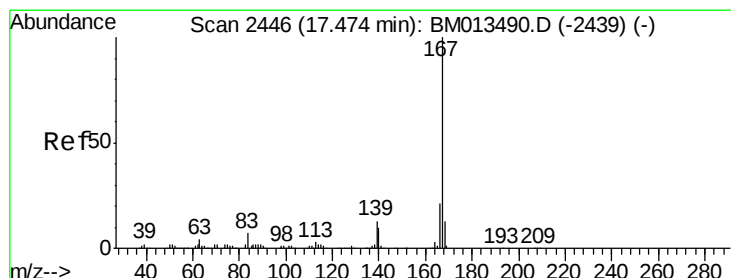
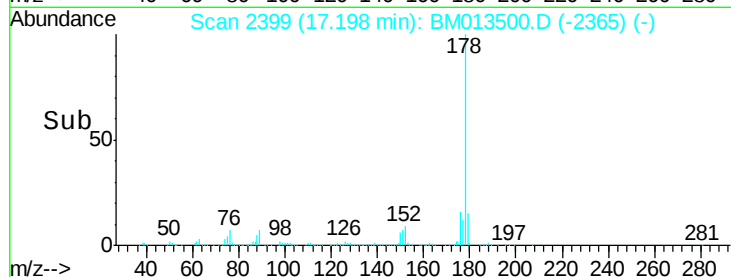
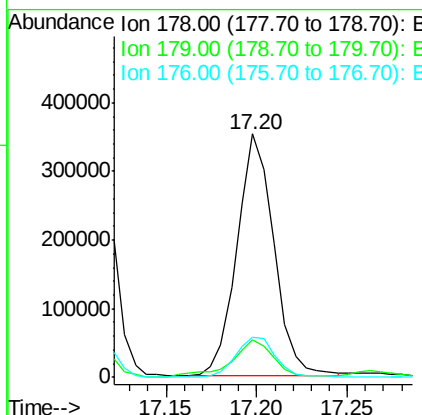
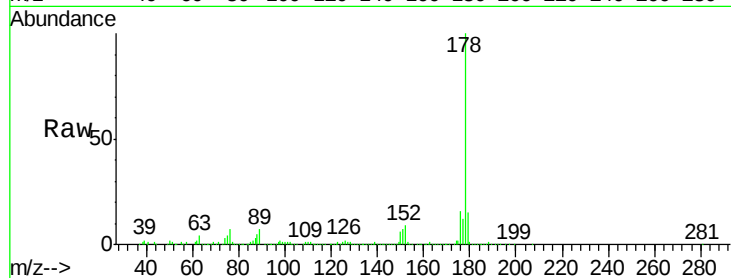




#71
 Anthracene
 Concen: 7.391 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

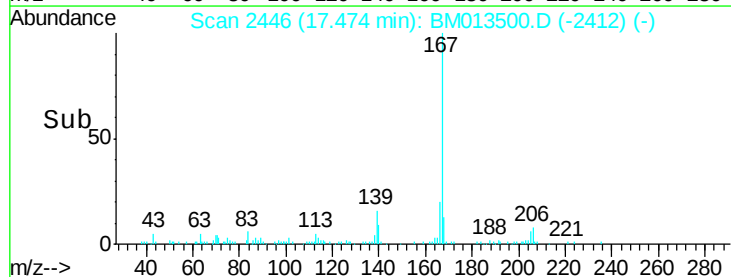
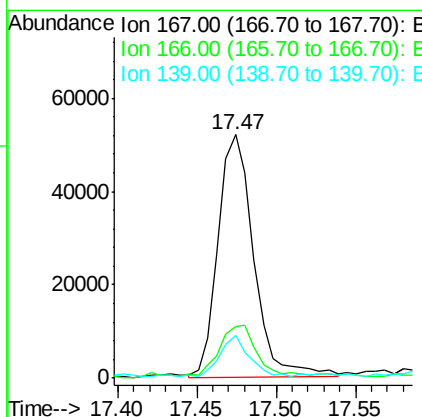
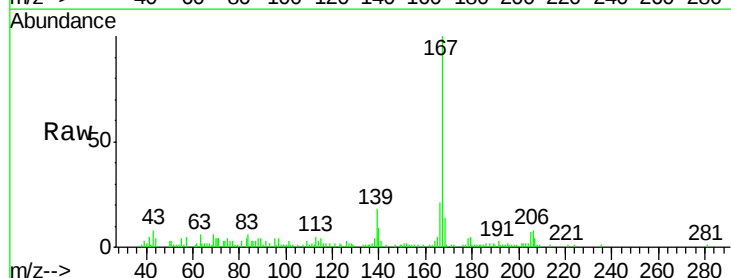
Instrument :
 BNA_M
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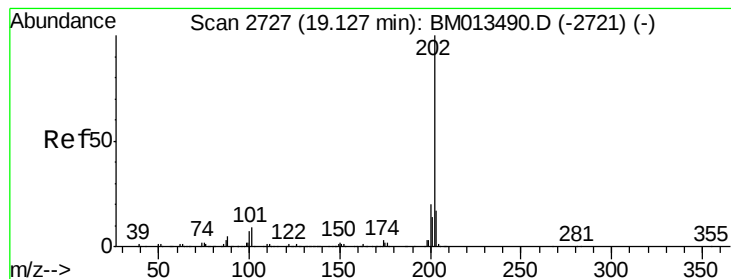
Tot Ion:178 Resp: 495519
 Ion Ratio Lower Upper
 178 100
 179 15.3 11.7 17.5
 176 16.3 14.6 21.8



#72
 Carbazole
 Concen: 1.406 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

Tgt Ion:167 Resp: 81102
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 17.6 10.0 15.0#





#74

Fluoranthene

Concen: 17.525 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

ClientSampleId :

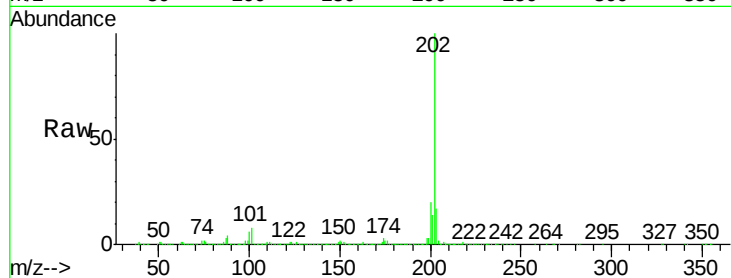
Tot Ion:202 Resp: 1408704

Ion Ratio Lower Upper

202 100

101 7.9 4.6 7.0#

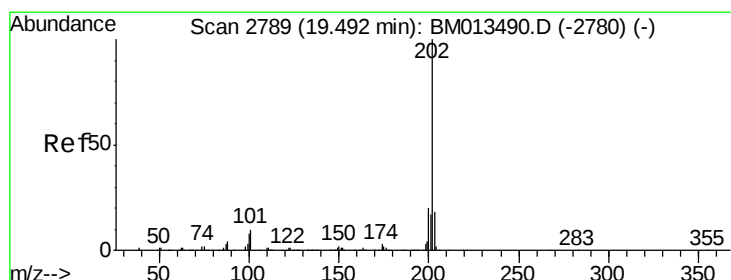
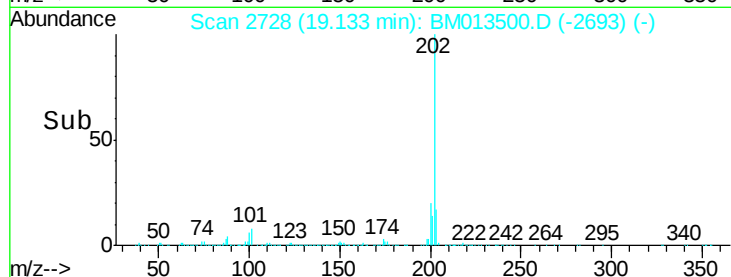
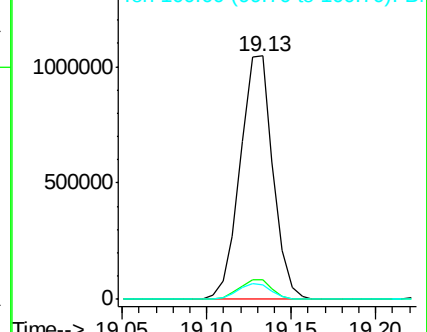
100 5.8 3.4 5.2#



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: 31.061 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

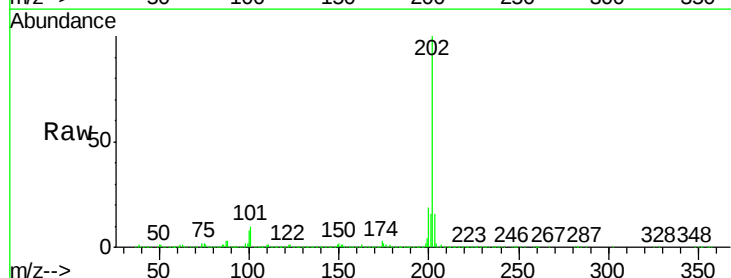
Tgt Ion:202 Resp: 1665487

Ion Ratio Lower Upper

202 100

101 9.8 5.1 7.7#

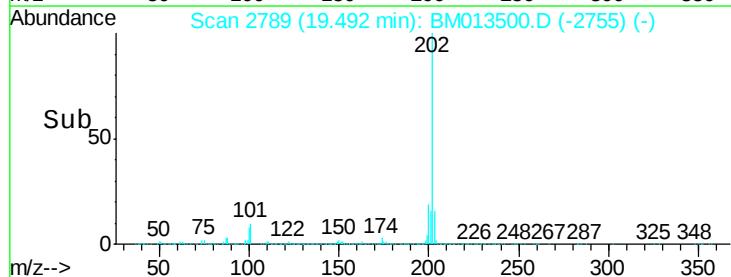
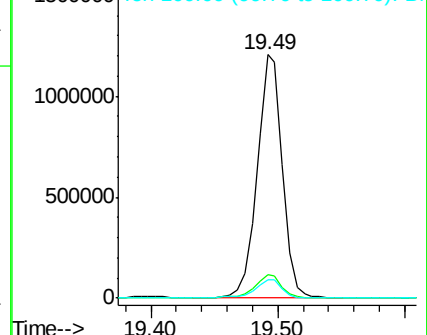
100 7.8 4.9 7.3#

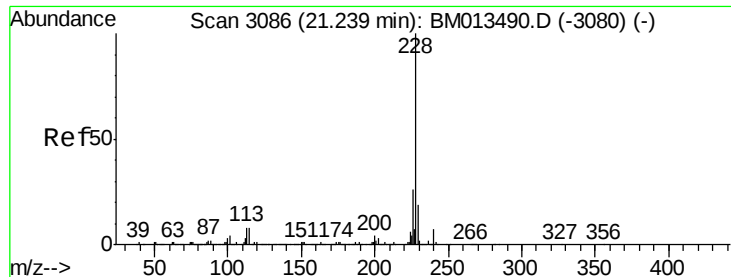


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 17.200 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

ClientSampleId :

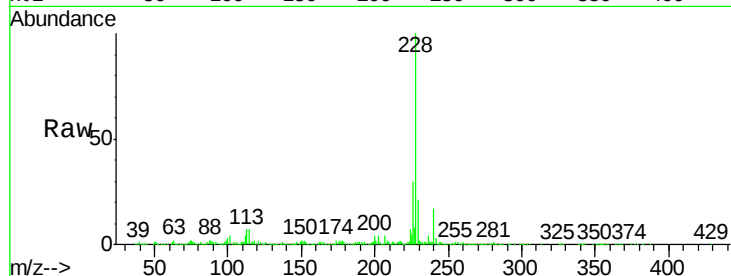
Tot Ion:228 Resp: 963190

Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.4	23.0
226	30.0	21.4	32.0

228 100

229 21.4 15.4 23.0

226 30.0 21.4 32.0

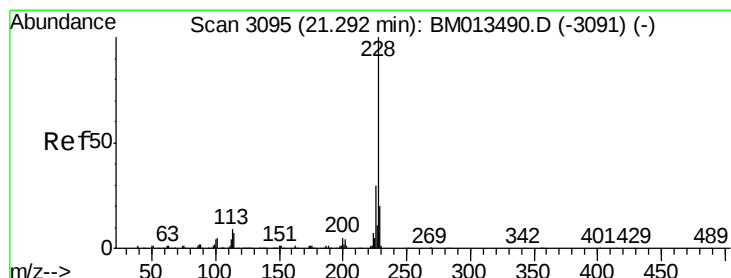
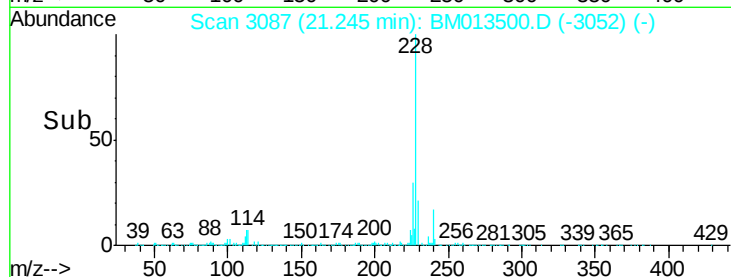
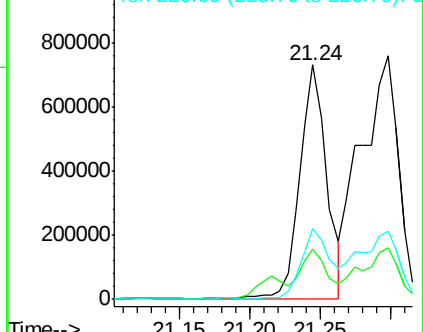


Abundance

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: 15.213 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

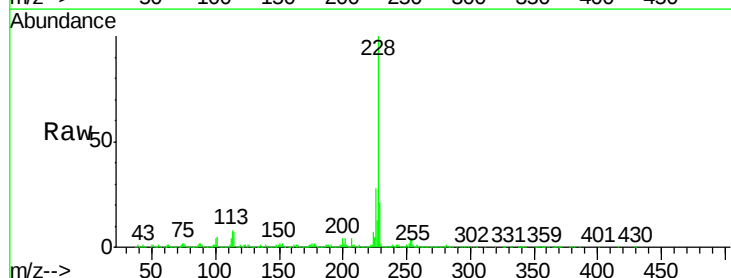
Tgt Ion:228 Resp: 790330

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.4	35.2
229	21.3	15.5	23.3

228 100

226 28.0 23.4 35.2

229 21.3 15.5 23.3

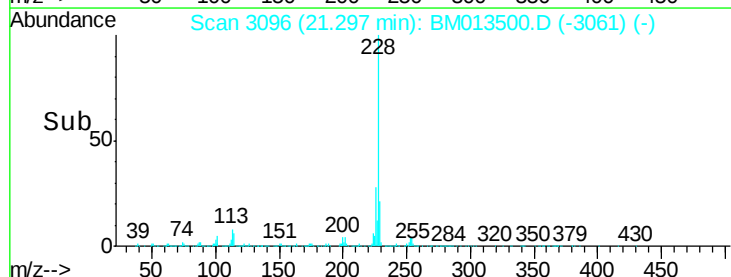
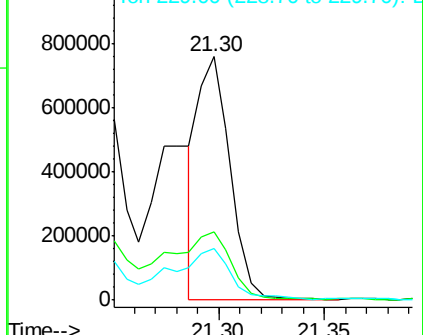


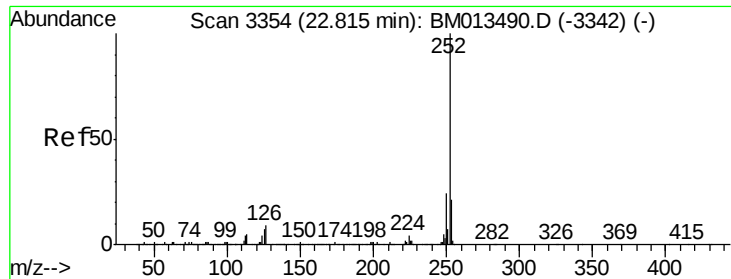
Abundance

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: 52.338 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

ClientSampleId :

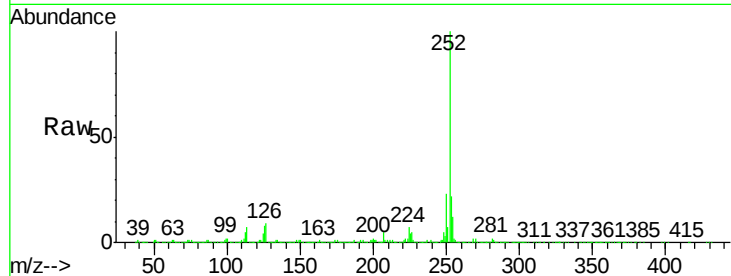
Tot Ion:252 Resp: 2674388

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

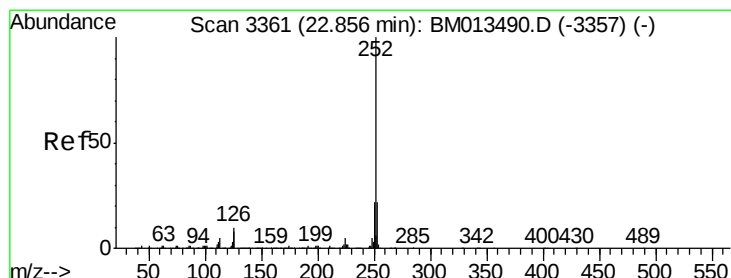
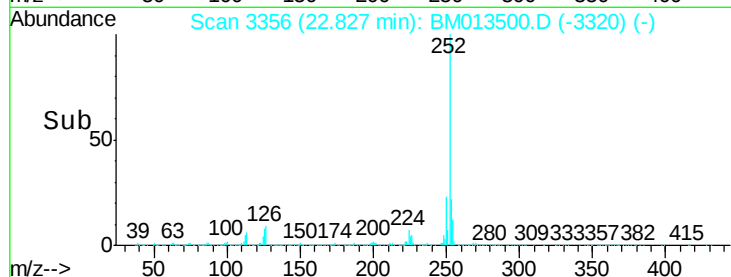
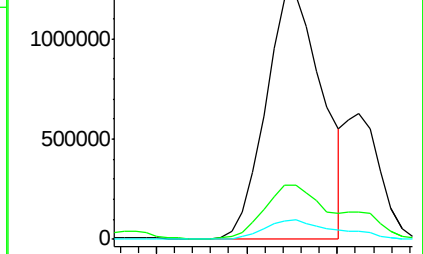
125 7.8 3.6 5.4#



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: 16.994 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

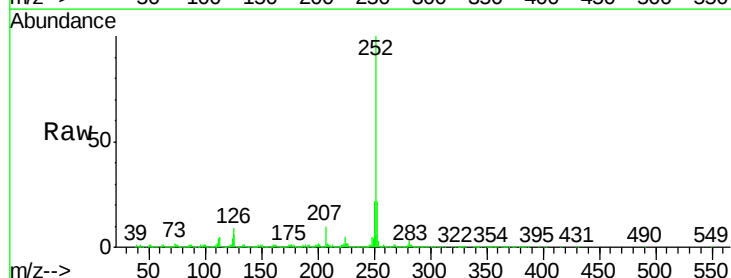
Tgt Ion:252 Resp: 817200

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

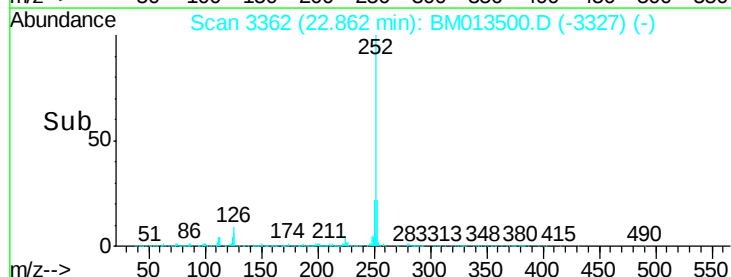
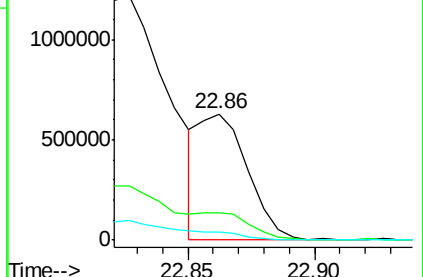
125 6.3 3.4 5.2#

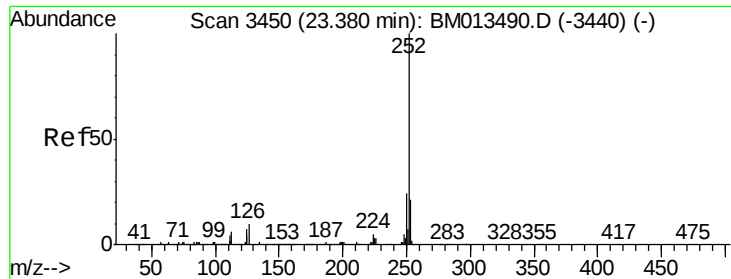


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 26.820 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

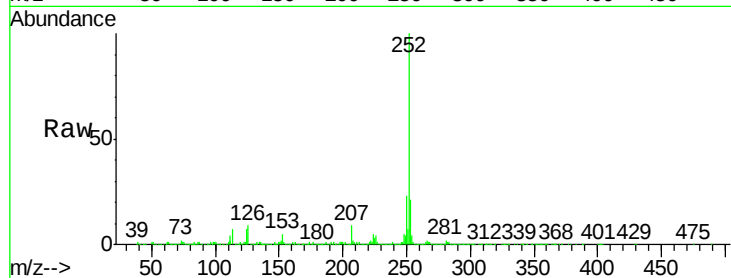
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 1231079

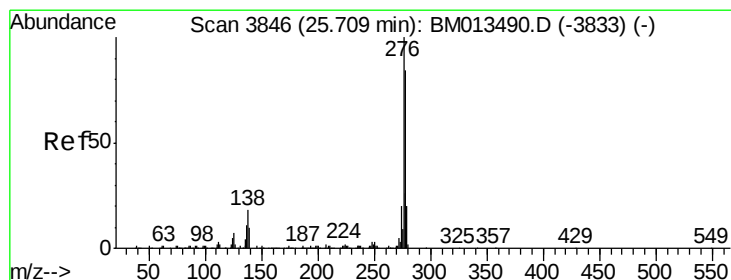
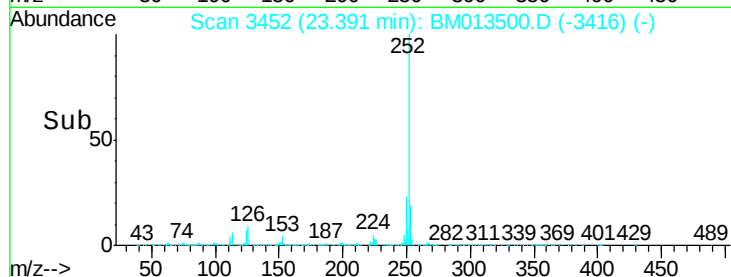
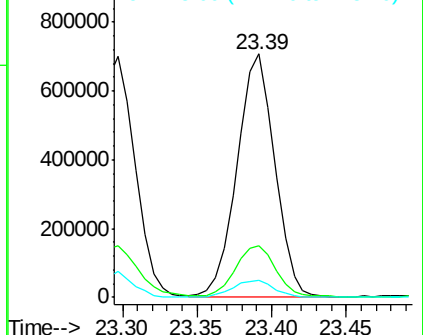
Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	7.0	4.0	6.0



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: 16.913 ng/ul

RT: 25.71 min Scan# 3847

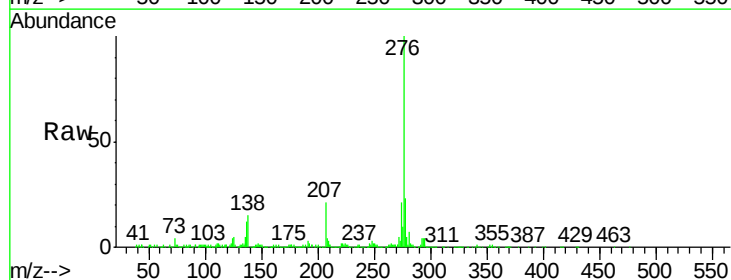
Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Tgt Ion:276 Resp: 770279

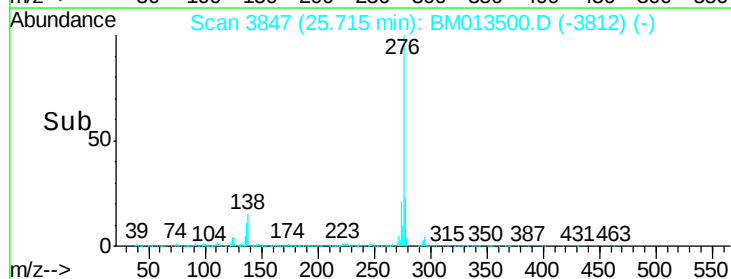
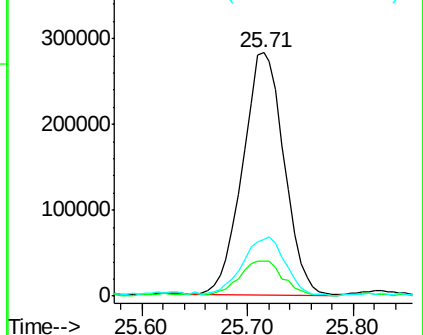
Ion	Ratio	Lower	Upper
276	100		
138	14.5	9.3	13.9
277	23.3	19.9	29.9

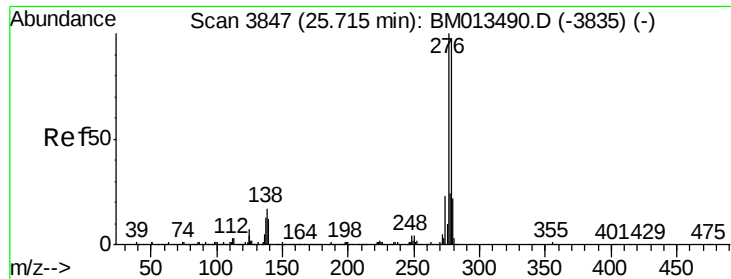


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.062 ng/ul

RT: 25.71 min Scan# 3847

Delta R.T. 0.00 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

ClientSampleId :

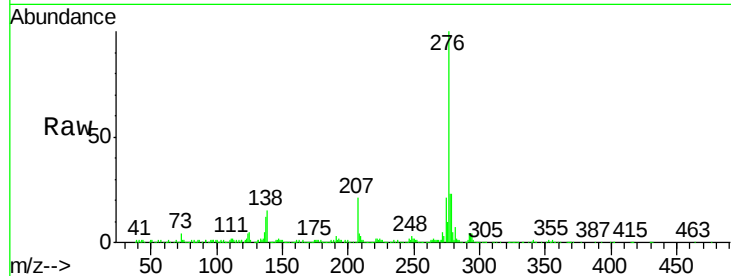
Tot Ion:278 Resp: 196322

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

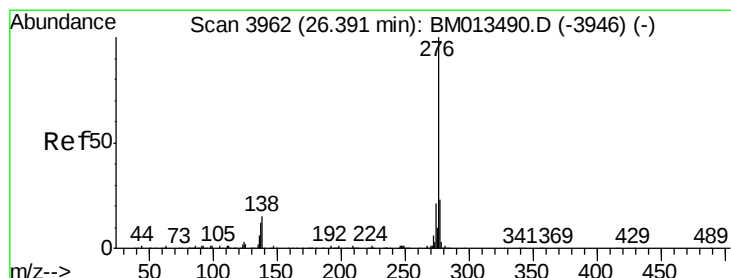
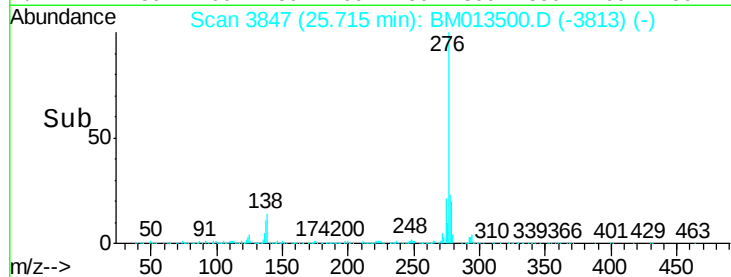
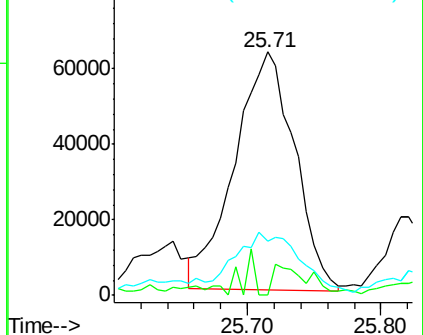
279 22.2 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 15.792 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

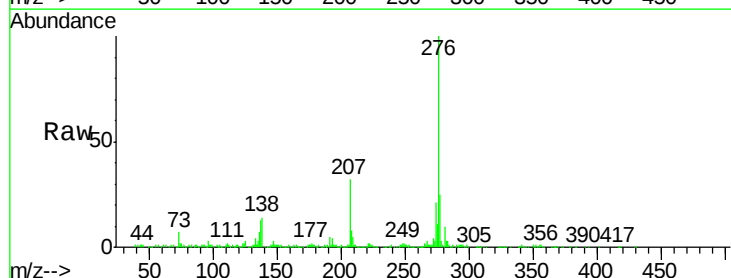
Tgt Ion:276 Resp: 567331

Ion Ratio Lower Upper

276 100

138 13.5 8.5 12.7#

277 25.2 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

