

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102418\
 Data File : BM017328.D
 Acq On : 24 Oct 2018 21:42
 Operator : MJ/SJ
 Sample : J5598-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 25 01:28:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 25 01:24:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	315312	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1433250	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	866598	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2036792	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2415672	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2624260	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	17067	2.49	ng/uL	0.00
5) Phenol-d5	6.83	99	416658	14.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	249917	14.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	331387	14.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	341784	15.01	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	167651	14.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	189475	15.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	339413	14.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	405091	21.27	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1144107	15.40	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1396024	15.47	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	157512	11.35	ng/ul	0.00
58) Fluorene-d10	15.30	176	1004787	15.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	166979	11.77	ng/ul	0.00
71) Anthracene-d10	17.14	188	1582080	15.69	ng/ul	0.00
79) Pyrene-d10	19.45	212	1874062	16.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2275667	16.42	ng/ul	0.00

Target Compounds

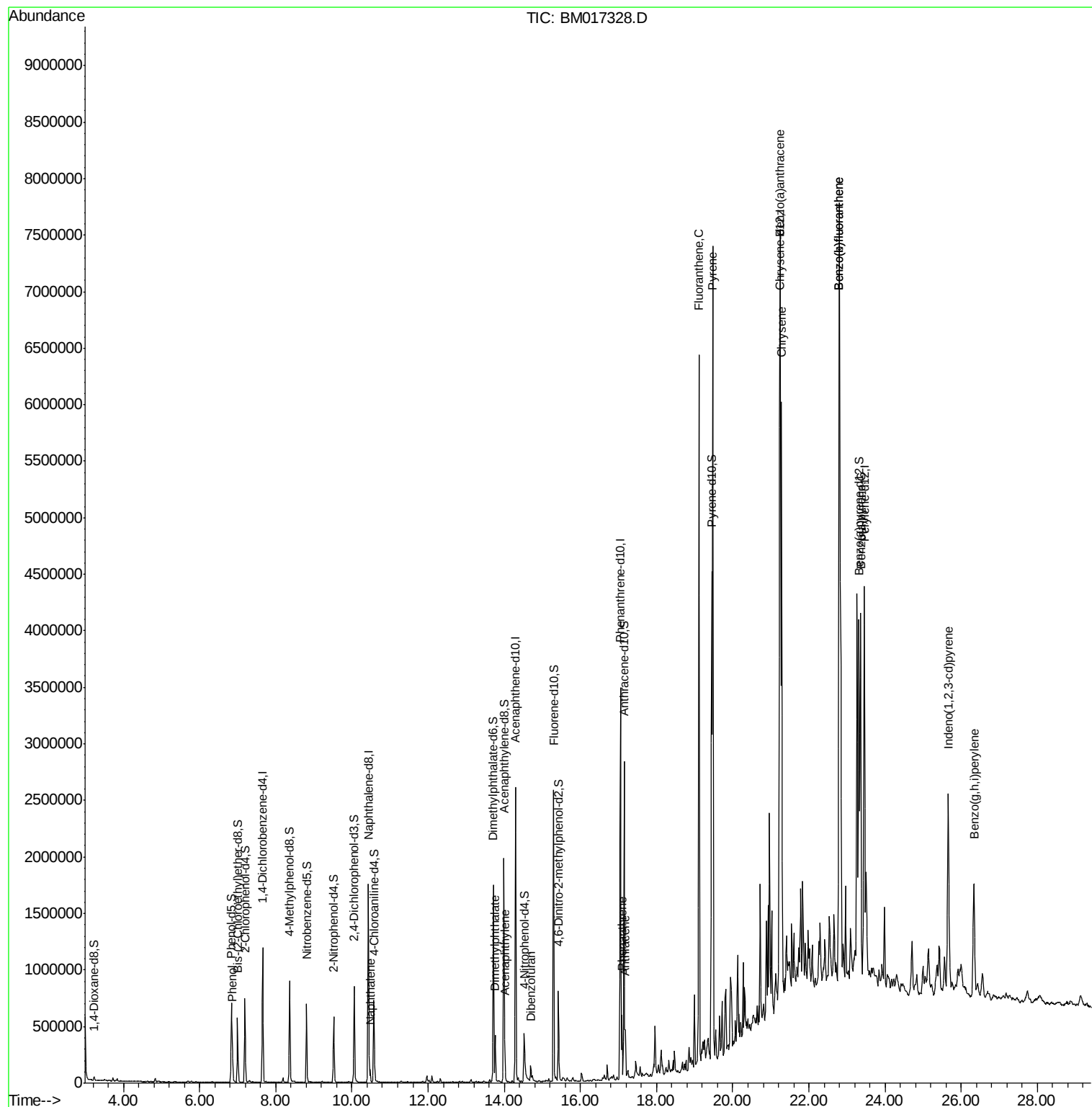
					Ovalue
6) Phenol	6.86	94	126795	4.433	ng/ul 98
28) Naphthalene	10.48	128	87712	1.170	ng/ul 97
45) Dimethylphthalate	13.76	163	254971	3.541	ng/ul 99
48) Acenaphthylene	14.02	152	215181	2.541	ng/ul 98
54) Dibenzofuran	14.70	168	86254	1.004	ng/ul 96
70) Phenanthrene	17.09	178	340288	2.909	ng/ul 98
72) Anthracene	17.18	178	284534	2.395	ng/ul 99
77) Fluoranthene	19.12	202	3654078	27.256	ng/ul 99
80) Pvrene	19.48	202	4255950	30.340	ng/ul 99
83) Benzo(a)anthracene	21.23	228	2601787	17.600	ng/ul 97
85) Chrysene	21.28	228	3169468	22.548	ng/ul 98
88) Benzo(b)fluoranthene	22.80	252	5391004	35.095	ng/ul 98
89) Benzo(k)fluoranthene	22.80	252	5391004	35.928	ng/ul 98
91) Benzo(a)pyrene	23.36	252	2094144	13.954	ng/ul 100
92) Indeno(1,2,3-cd)pyrene	25.66	276	1654849	9.063	ng/ul 97
94) Benzo(g,h,i)perylene	26.34	276	1205150	7.769	ng/ul 99

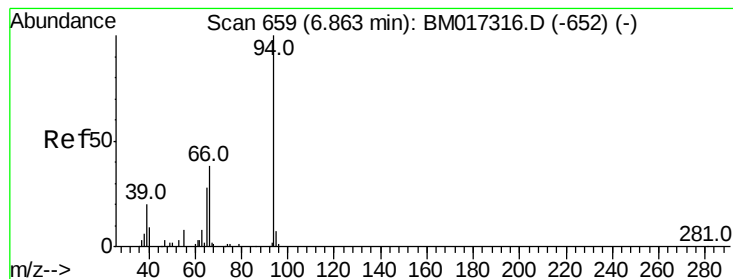
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.433 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

Instrument :

BNA_M

ClientSampleId :

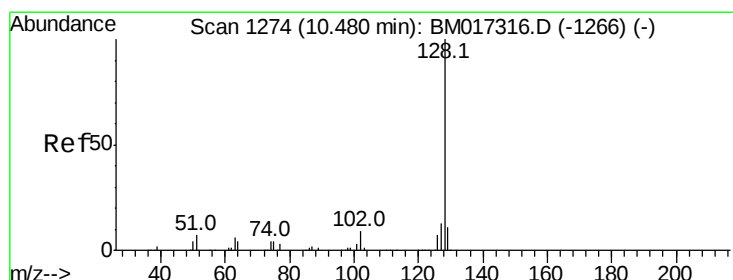
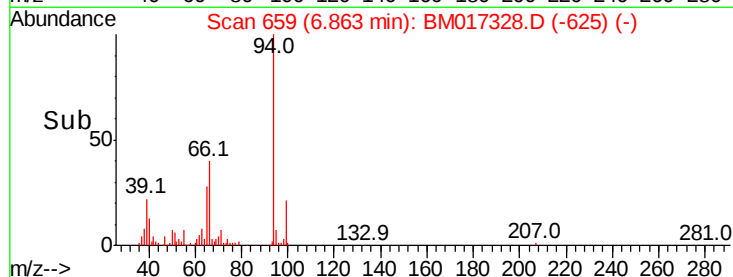
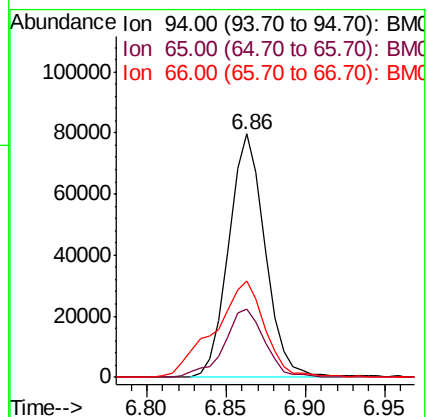
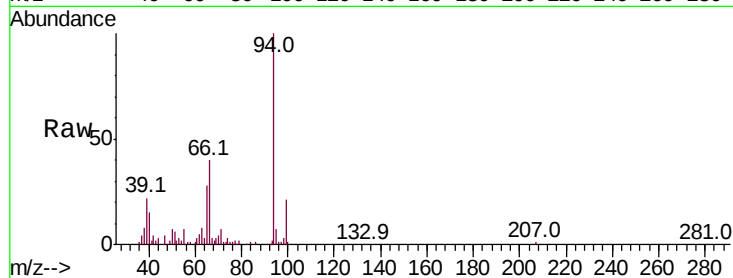
Tot Ion: 94 Resp: 126795

Ion Ratio Lower Upper

94 100

65 28.0 24.0 36.0

66 39.7 31.1 46.7



#28

Naphthalene

Concen: 1.170 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

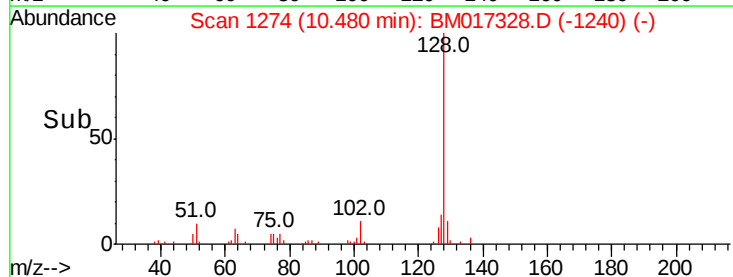
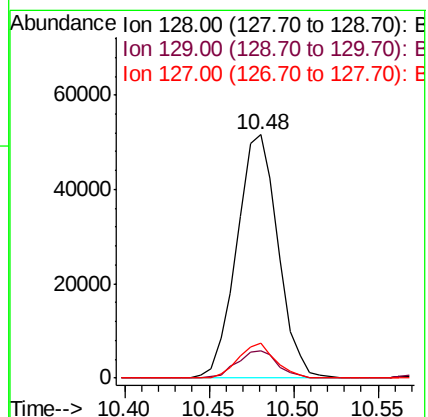
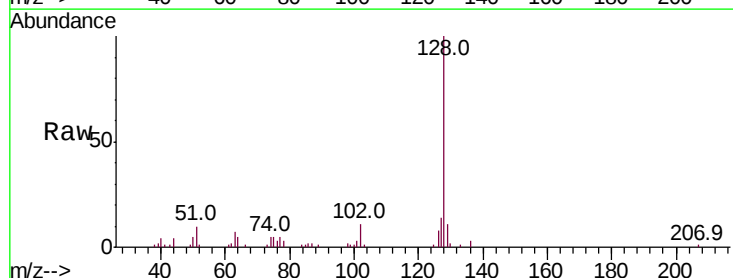
Tgt Ion: 128 Resp: 87712

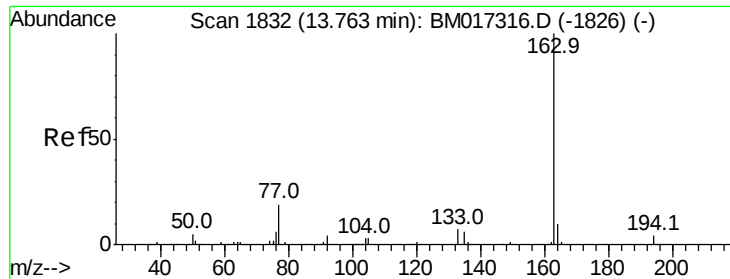
Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 14.5 10.3 15.5





#45

Dimethylphthalate

Concen: 3.541 ng/ul

RT: 13.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

Instrument :

BNA_M

ClientSampleId :

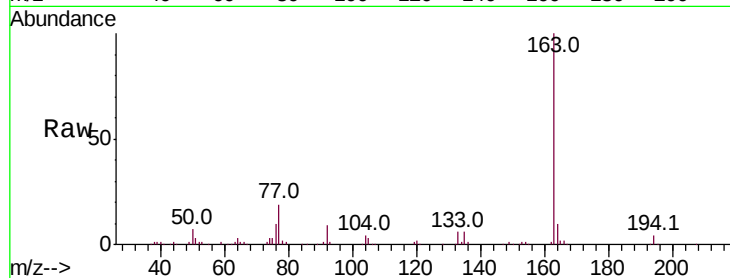
Tot Ion:163 Resp: 254971

Ion Ratio Lower Upper

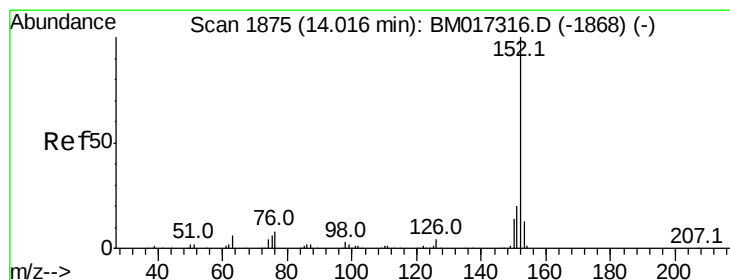
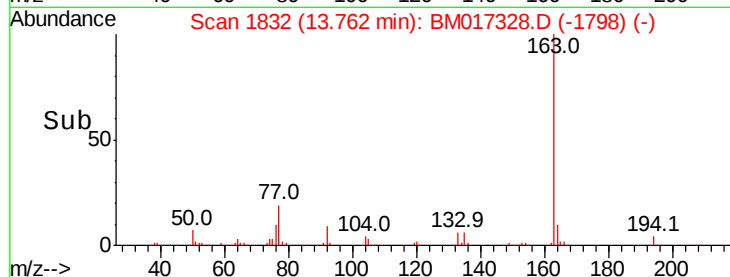
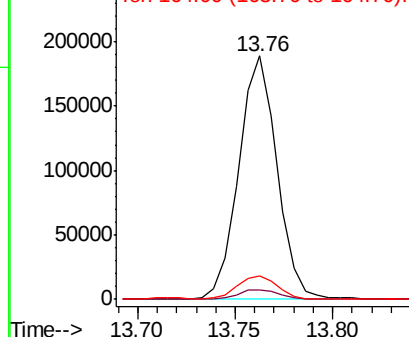
163 100

194 4.1 3.2 4.8

164 9.8 8.1 12.1



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



#48

Acenaphthylene

Concen: 2.541 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

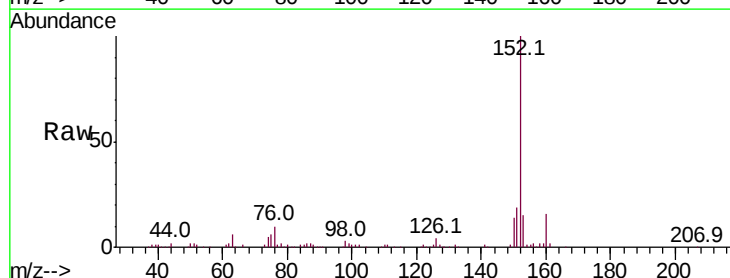
Tgt Ion:152 Resp: 215181

Ion Ratio Lower Upper

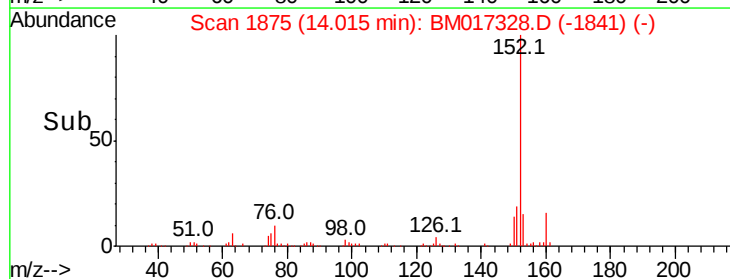
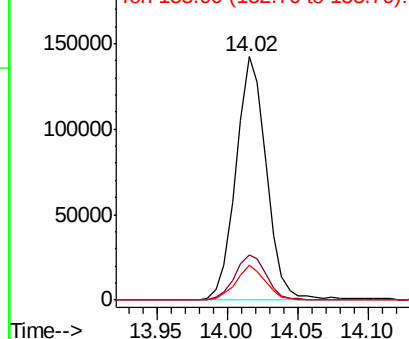
152 100

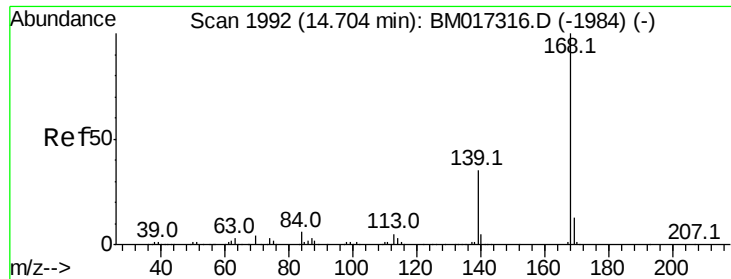
151 18.8 15.3 22.9

153 14.6 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





#54

Dibenzenofuran

Concen: 1.004 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

Instrument :

BNA_M

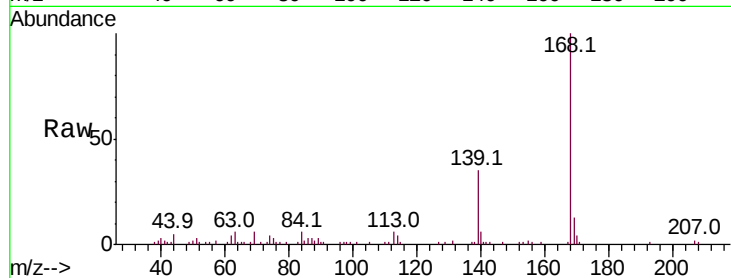
ClientSampleId :

Tot Ion:168 Resp: 86254

Ion Ratio Lower Upper

168 100

139 35.1 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.70

60000

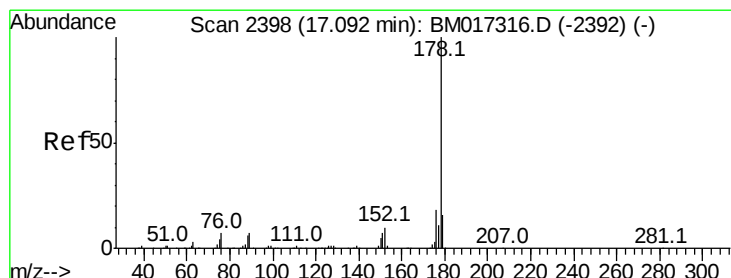
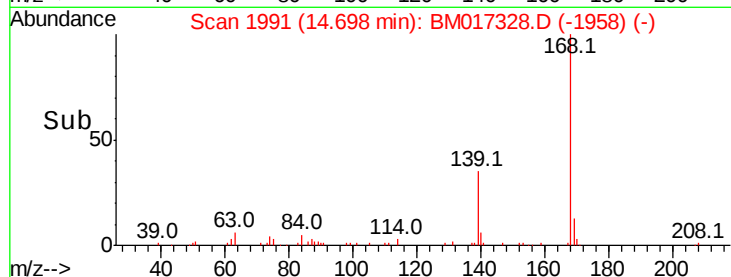
40000

20000

0

14.65 14.70 14.75

Time-->



#70

Phenanthrene

Concen: 2.909 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

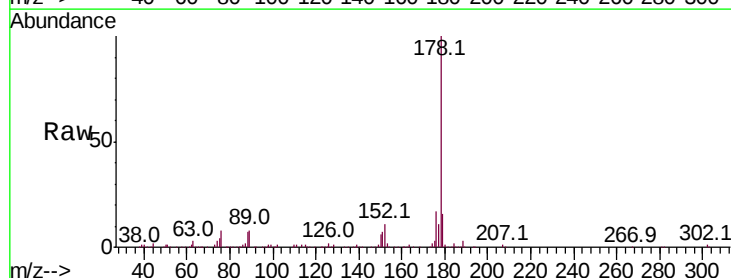
Tgt Ion:178 Resp: 340288

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

176 17.4 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

17.09

300000

250000

200000

150000

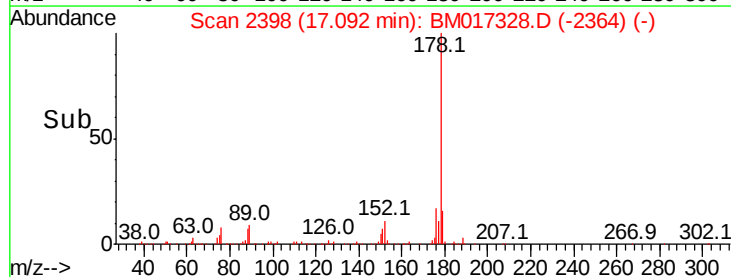
100000

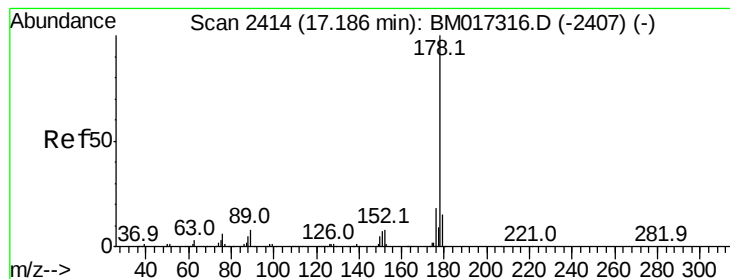
50000

0

17.05 17.10 17.15

Time-->





#72

Anthracene

Concen: 2.395 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

Instrument :

BNA_M

ClientSampleId :

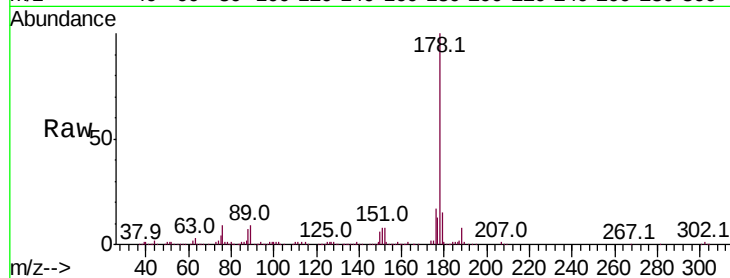
Tot Ion:178 Resp: 284534

Ion Ratio Lower Upper

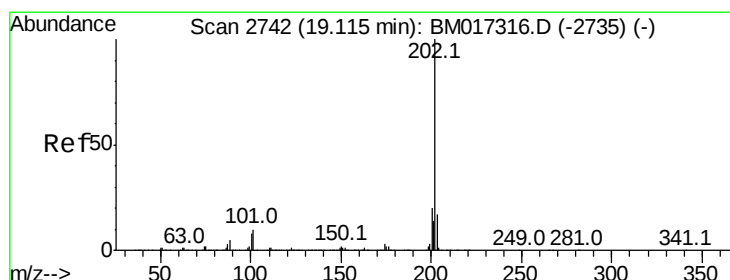
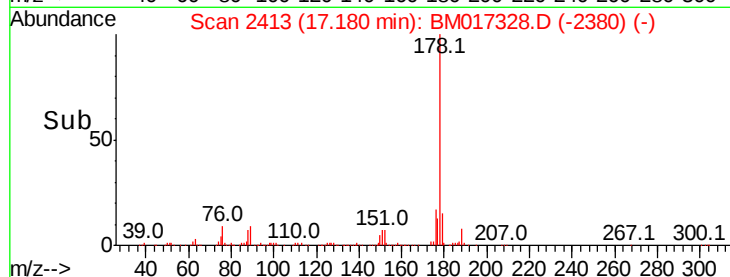
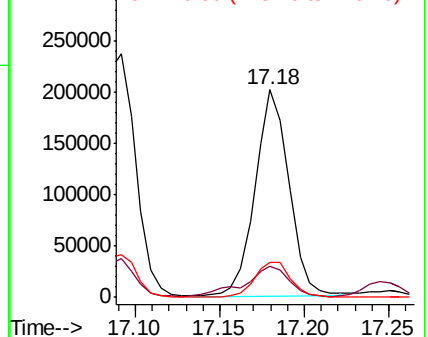
178 100

179 15.1 12.2 18.2

176 16.9 14.2 21.2



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



#77

Fluoranthene

Concen: 27.256 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

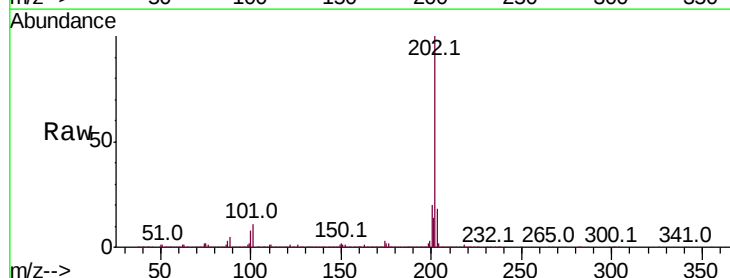
Tgt Ion:202 Resp: 3654078

Ion Ratio Lower Upper

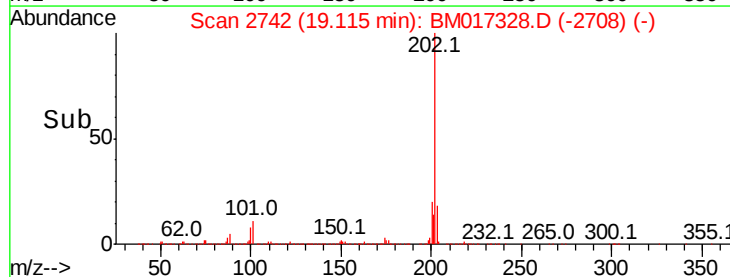
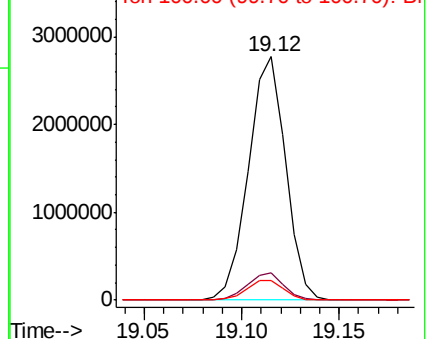
202 100

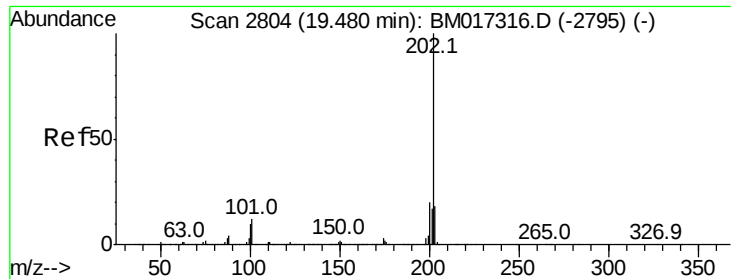
101 11.0 8.2 12.4

100 8.0 6.3 9.5



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

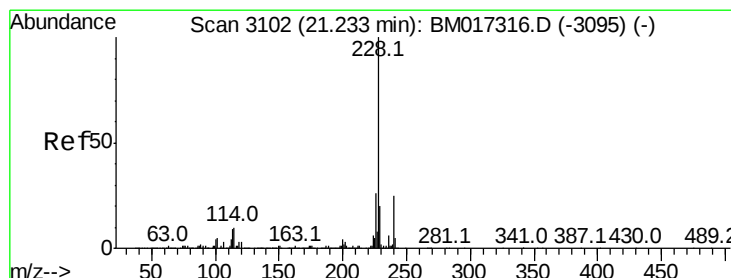
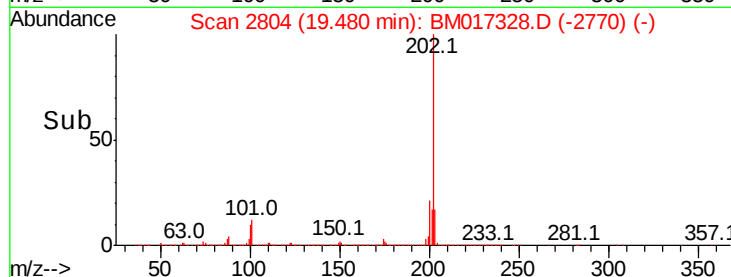
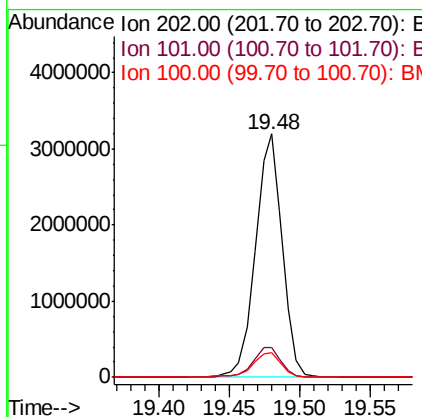
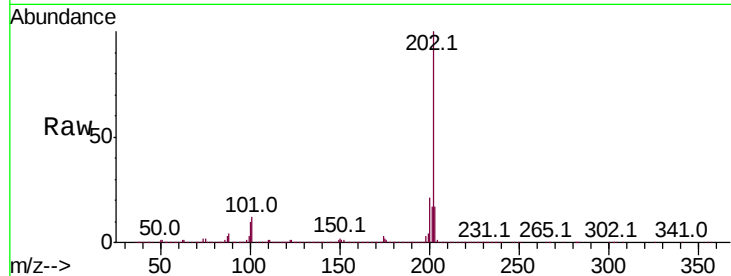




#80
Pvrene
Concen: 30.340 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. -0.00 min
Lab File: BM017328.D
Acq: 24 Oct 2018 21:42

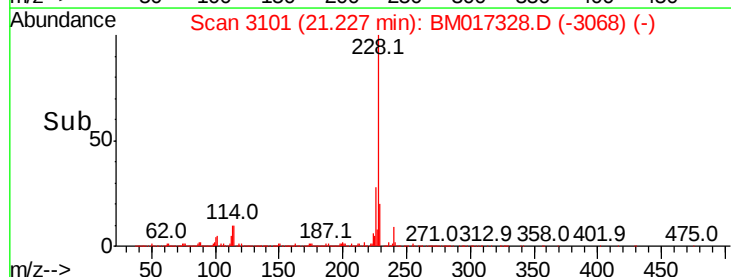
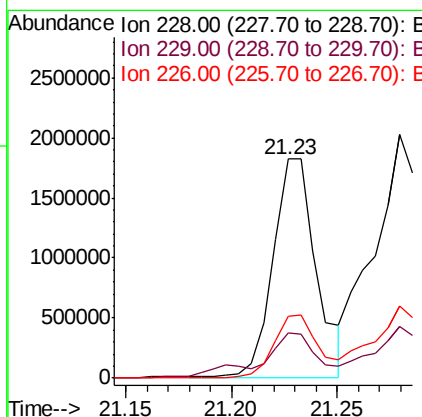
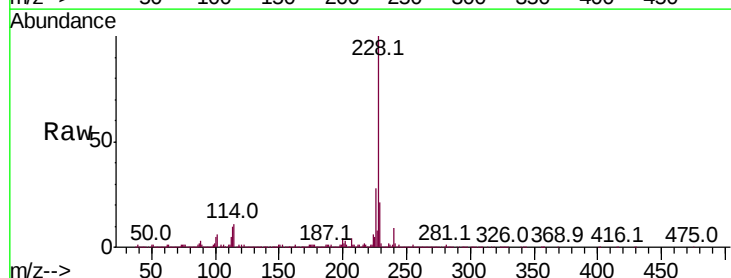
Instrument :
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ClientSampleId :

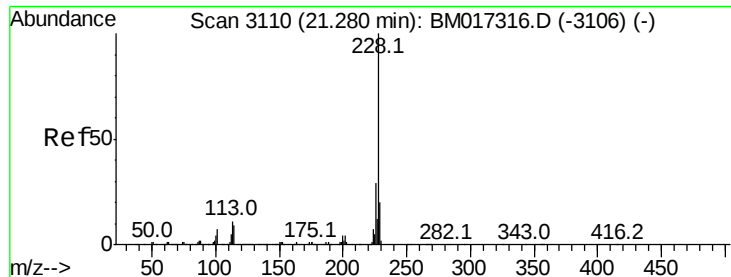
Tot Ion:202 Resp: 4255950
Ion Ratio Lower Upper
202 100
101 12.5 9.5 14.3
100 10.3 8.1 12.1



#83
Benzo(a)anthracene
Concen: 17.600 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BM017328.D
Acq: 24 Oct 2018 21:42

Tgt Ion:228 Resp: 2601787
Ion Ratio Lower Upper
228 100
229 20.6 15.6 23.4
226 28.0 20.8 31.2





#85

Chrysene

Concen: 22.548 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

Instrument :

BNA_M

ClientSampleId :

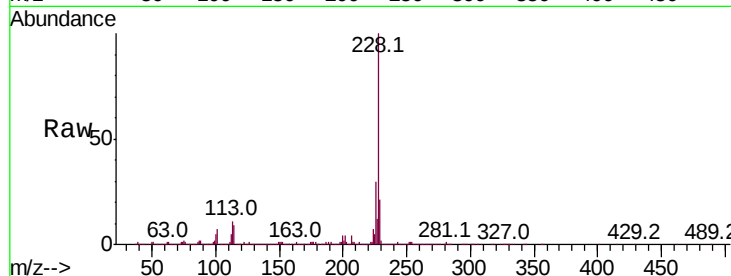
Tot Ion:228 Resp: 3169468

Ion Ratio Lower Upper

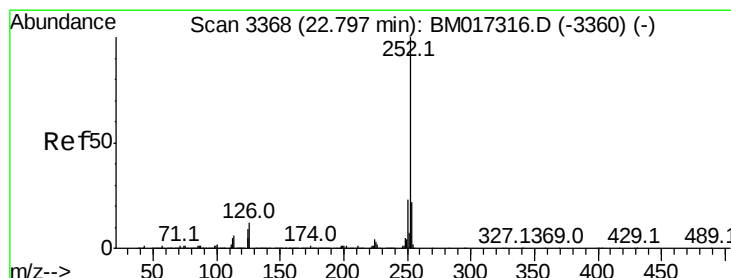
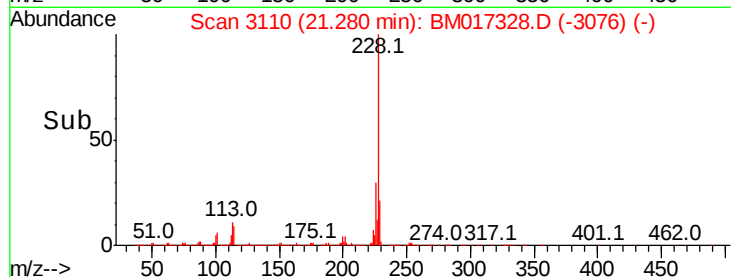
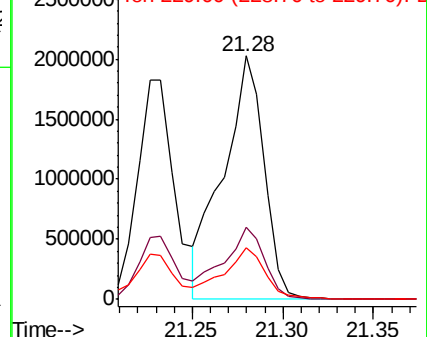
228 100

226 29.8 23.3 34.9

229 21.2 15.6 23.4



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



#88

Benzo(b)fluoranthene

Concen: 35.095 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

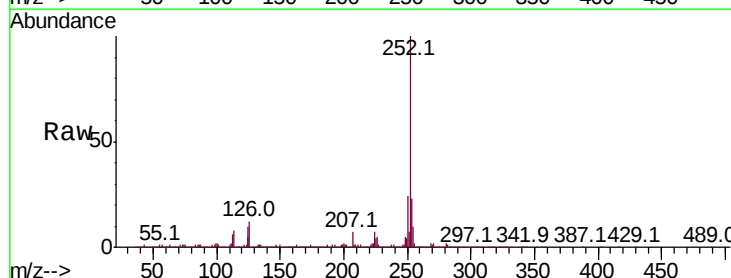
Tgt Ion:252 Resp: 5391004

Ion Ratio Lower Upper

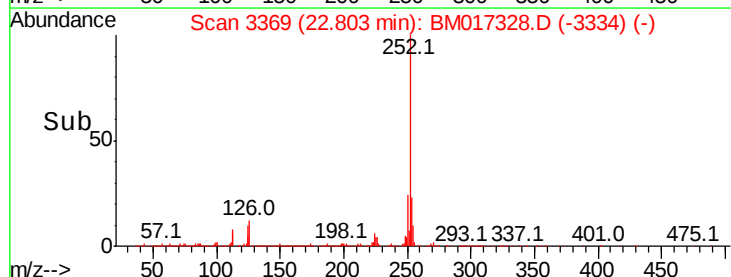
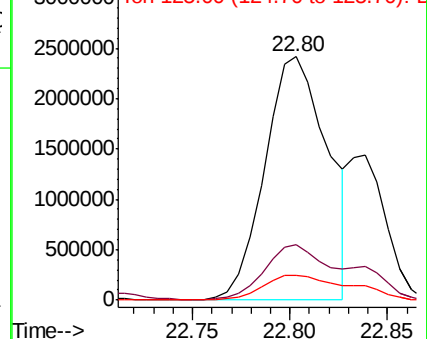
252 100

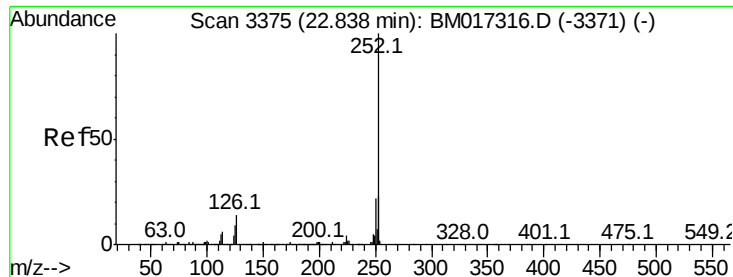
253 22.8 17.6 26.4

125 10.3 7.2 10.8



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

Benzo(k)fluoranthene

Concen: 35.928 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

Instrument :

BNA_M

ClientSampleId :

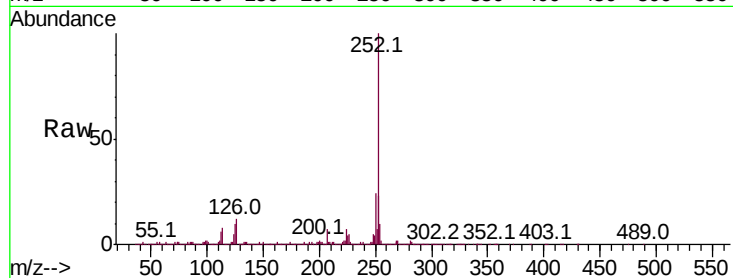
Tot Ion:252 Resp: 5391004

Ion Ratio Lower Upper

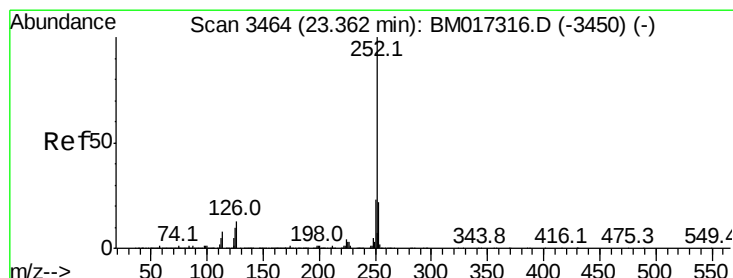
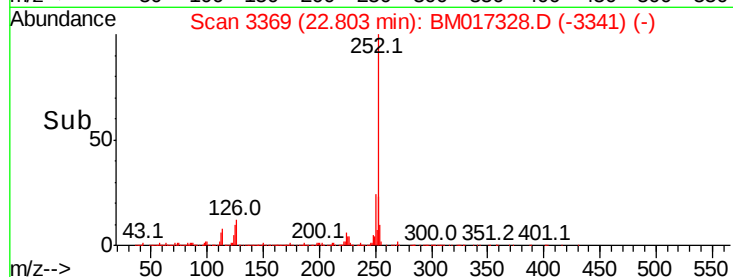
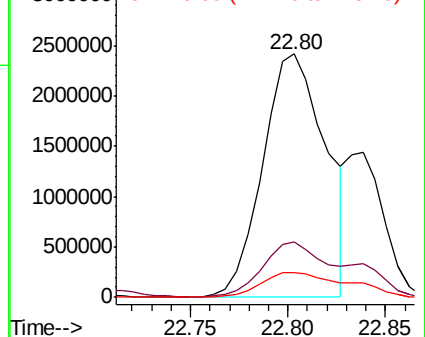
252 100

253 22.8 17.7 26.5

125 10.3 7.8 11.6



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



#91

Benzo(a)pyrene

Concen: 13.954 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. -0.00 min

Lab File: BM017328.D

Acq: 24 Oct 2018 21:42

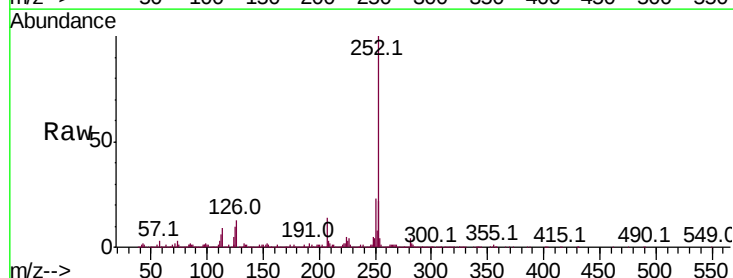
Tgt Ion:252 Resp: 2094144

Ion Ratio Lower Upper

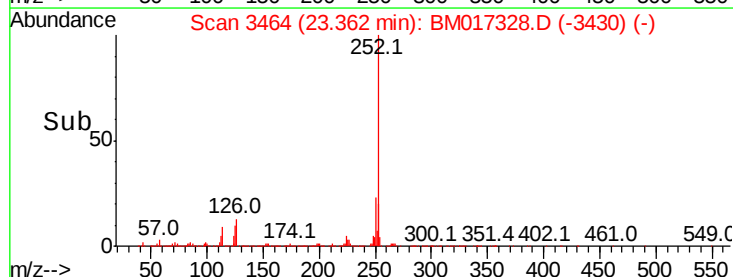
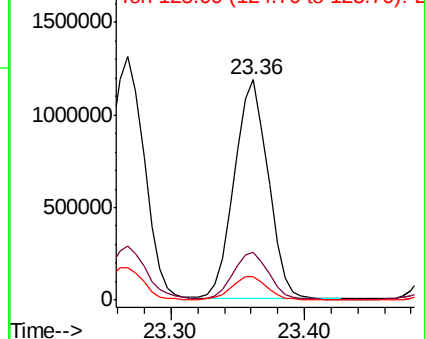
252 100

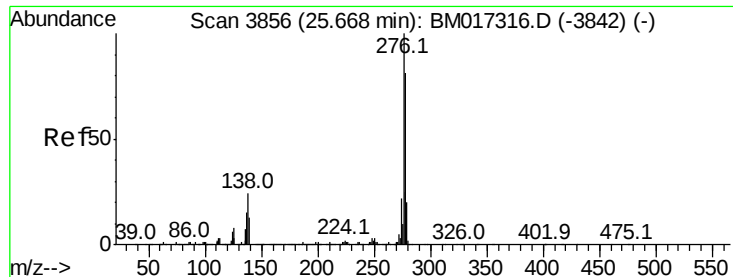
253 21.9 17.6 26.4

125 10.5 8.3 12.5



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



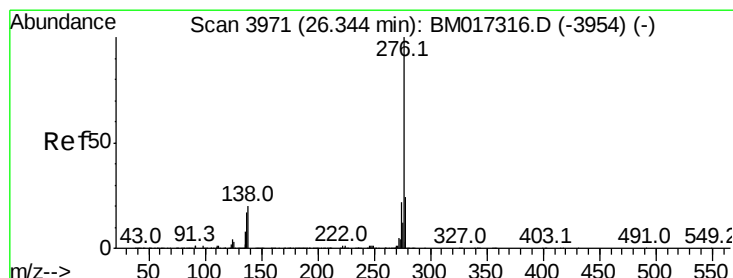
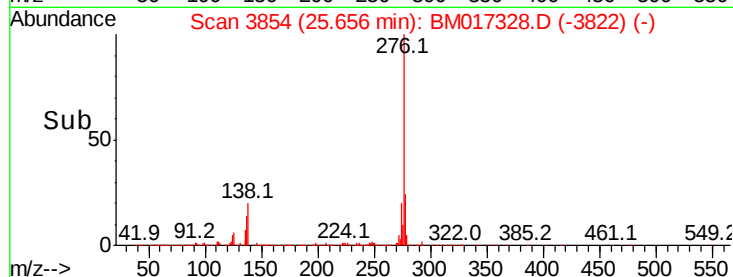
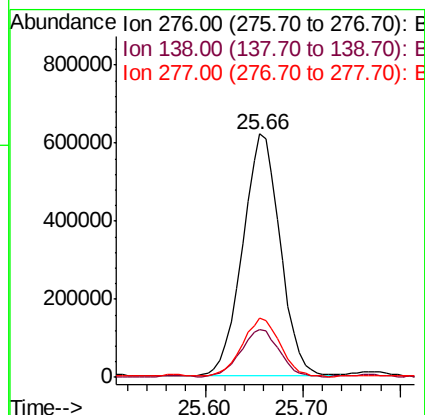
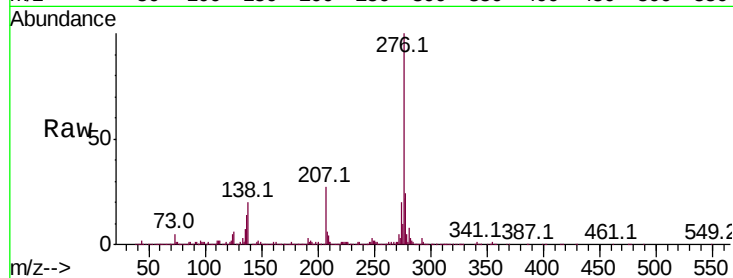


#92

Indeno(1,2,3-cd)pyrene
Concen: 9.063 ng/ul
RT: 25.66 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM017328.D
Acq: 24 Oct 2018 21:42

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 1654849
Ion Ratio Lower Upper
276 100
138 19.7 18.1 27.1
277 24.2 19.6 29.4



#94

Benzo(g,h,i)perylene
Concen: 7.769 ng/ul
RT: 26.34 min Scan# 3970
Delta R.T. -0.01 min
Lab File: BM017328.D
Acq: 24 Oct 2018 21:42

Tgt Ion:276 Resp: 1205150
Ion Ratio Lower Upper
276 100
138 19.7 16.6 25.0
277 23.4 18.9 28.3

