

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023251.D
 Acq On : 18 Oct 2019 10:39
 Operator : JU
 Sample : K5235-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 18 11:59:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 18 07:48:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	395396	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1547338	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	954704	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2013030	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2141628	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	2551211	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	27275	3.04	ng/uL	0.00
5) Phenol-d5	6.83	99	445310	12.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	298110	15.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	415257	15.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	312137	11.28	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	200432	19.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	220027	22.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	418433	16.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	443365	14.38	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1396350	19.08	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1602634	18.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	96858	8.18	ng/ul	0.00
58) Fluorene-d10	15.30	176	1208677	19.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	110097	13.79	ng/ul	0.00
71) Anthracene-d10	17.14	188	1960394	20.20	ng/ul	0.00
79) Pyrene-d10	19.44	212	2408556	23.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2867757	22.18	ng/ul	0.00

Target Compounds

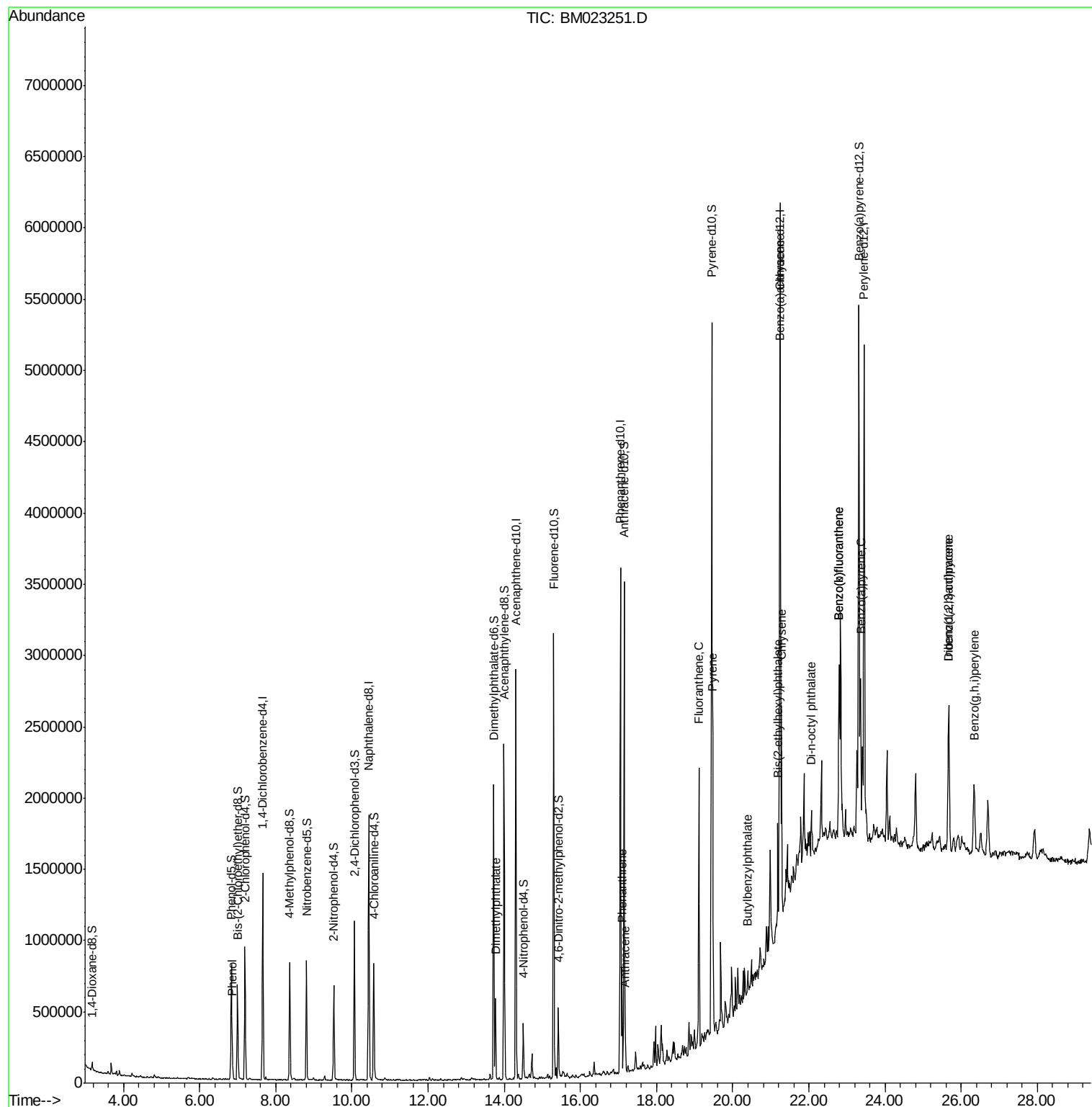
					Ovalue
6) Phenol	6.86	94	74697	2.103	ng/ul 97
45) Dimethylphthalate	13.77	163	372589	5.088	ng/ul 100
70) Phenanthrene	17.09	178	438585	3.882	ng/ul 99
72) Anthracene	17.18	178	164669	1.411	ng/ul 98
77) Fluoranthene	19.11	202	1152714	8.579	ng/ul 100
80) Pyrene	19.47	202	1250680	9.322	ng/ul 99
81) Butylbenzylphthalate	20.40	149	48292	1.035	ng/ul 97
83) Benzo(a)anthracene	21.23	228	840538	5.792	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	21.19	149	243520	3.282	ng/ul 99
85) Chrysene	21.28	228	844612	6.268	ng/ul 98
87) Di-n-octyl phthalate	22.06	149	156107	1.186	ng/ul 100
88) Benzo(b)fluoranthene	22.79	252	1063513	6.876	ng/ul 98
89) Benzo(k)fluoranthene	22.79	252	1063513	7.160	ng/ul 98
91) Benzo(a)pyrene	23.36	252	825718	5.564	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.67	276	655492	3.713	ng/ul 97
93) Dibenzo(a,h)anthracene	25.68	278	296296	2.007	ng/ul 99
94) Benzo(g,h,i)perylene	26.34	276	631747	4.346	ng/ul 97

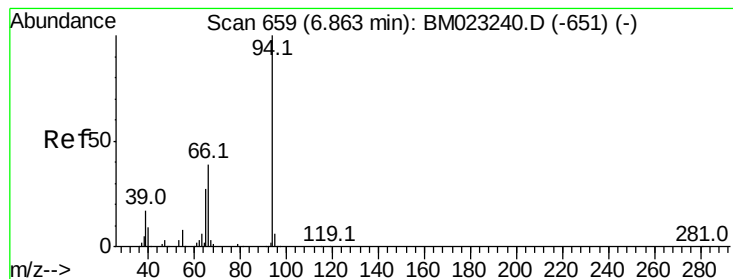
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 18 07:48:41 2019
Response via : Initial Calibration





#6

Phenol

Concen: 2.103 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. -0.01 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

Instrument :

BNA_M

ClientSampleId :

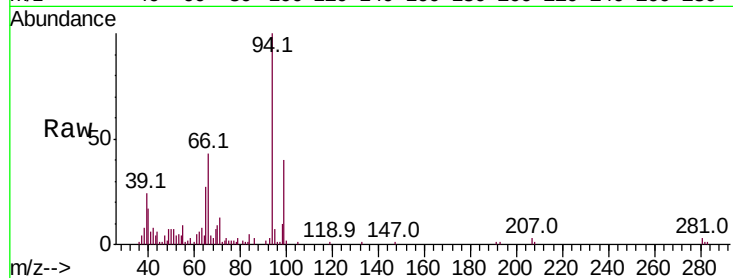
Tot Ion: 94 Resp: 74697

Ion Ratio Lower Upper

94 100

65 27.3 23.7 35.5

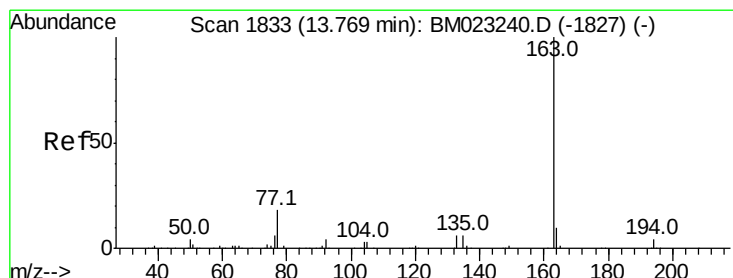
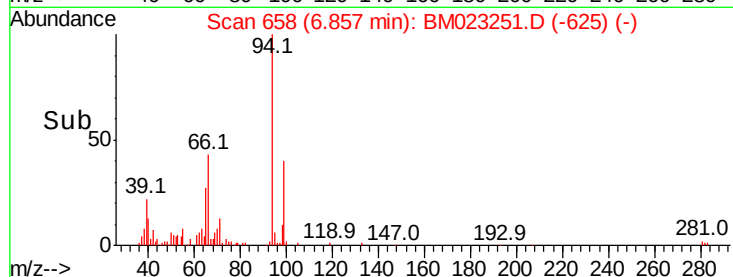
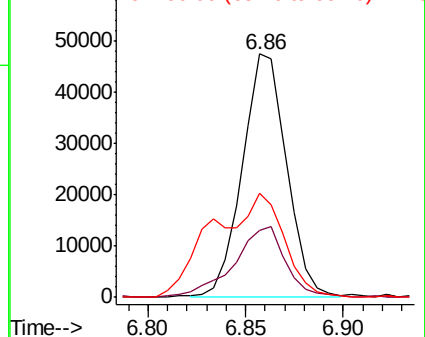
66 42.7 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023240.D (-651) (-)

Ion 65.00 (64.70 to 65.70): BM023240.D (-651) (-)

Ion 66.00 (65.70 to 66.70): BM023240.D (-651) (-)



#45

Dimethylphthalate

Concen: 5.088 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

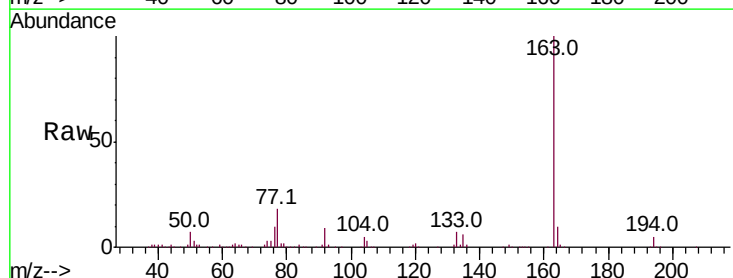
Tgt Ion:163 Resp: 372589

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

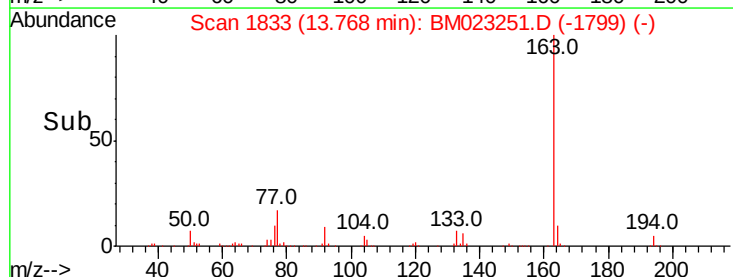
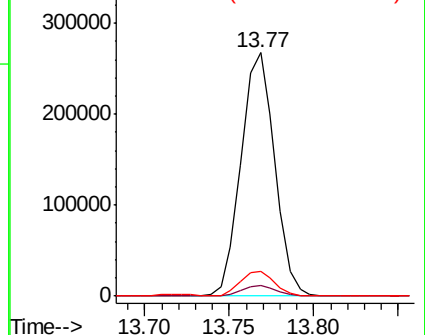
164 10.0 8.0 12.0

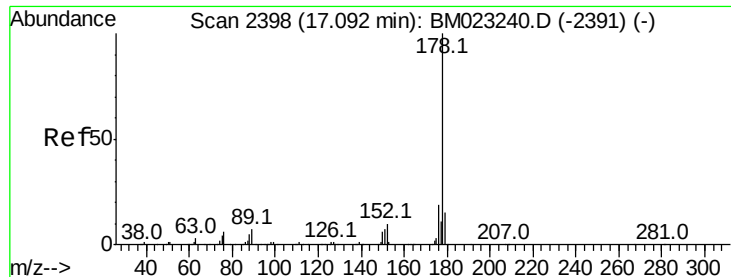


Abundance Ion 163.00 (162.70 to 163.70): BM023240.D (-1827) (-)

Ion 194.00 (193.70 to 194.70): BM023240.D (-1827) (-)

Ion 164.00 (163.70 to 164.70): BM023240.D (-1827) (-)





#70

Phenanthrene

Concen: 3.882 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

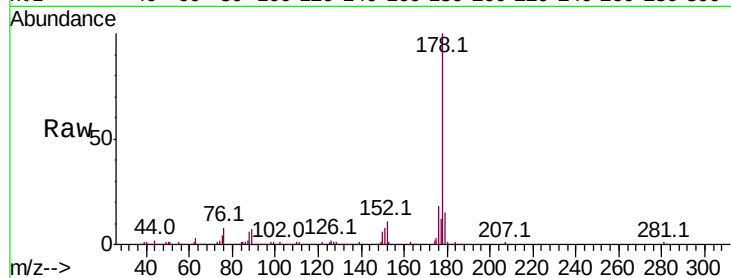
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 438585

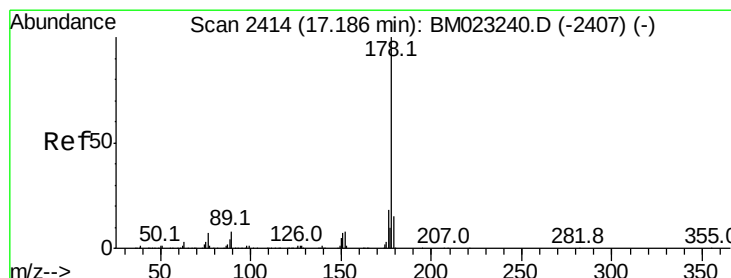
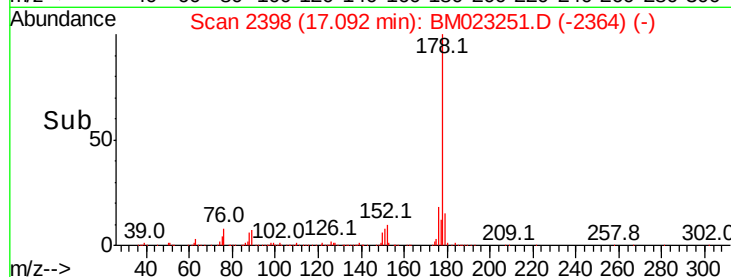
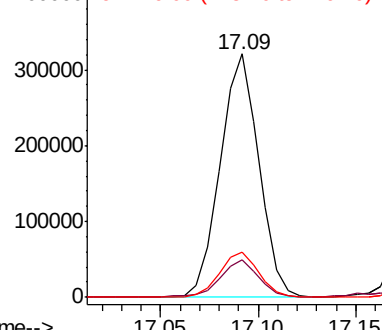
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.5	15.5	23.3



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



#72

Anthracene

Concen: 1.411 ng/ul

RT: 17.18 min Scan# 2413

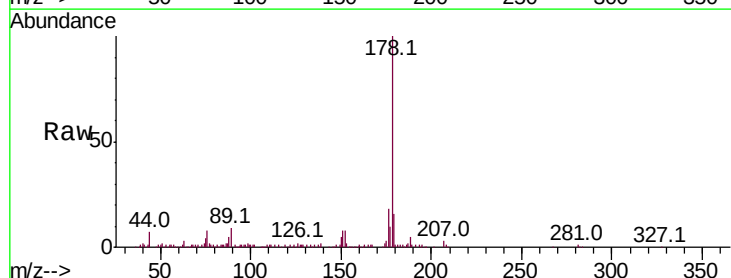
Delta R.T. -0.01 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

Tgt Ion:178 Resp: 164669

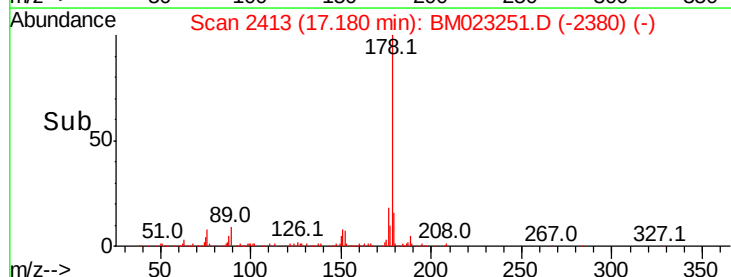
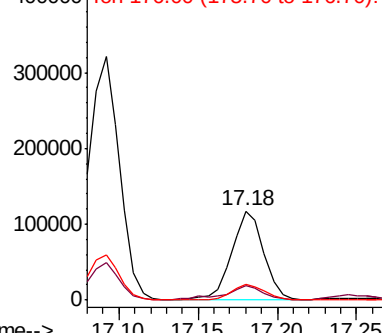
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	17.7	15.0	22.4

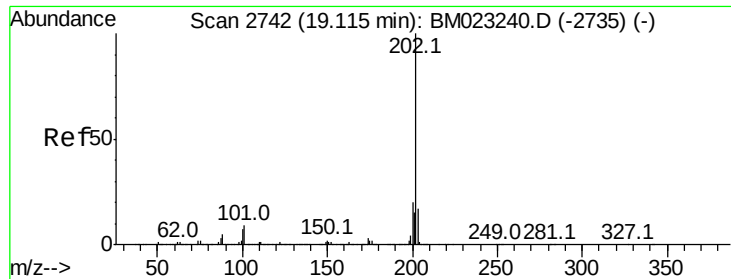


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

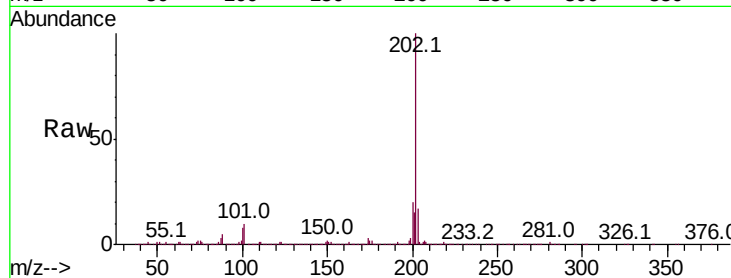




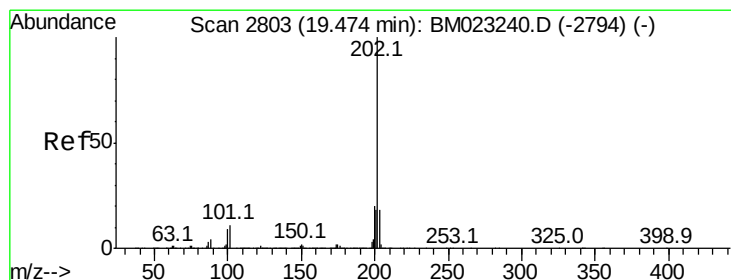
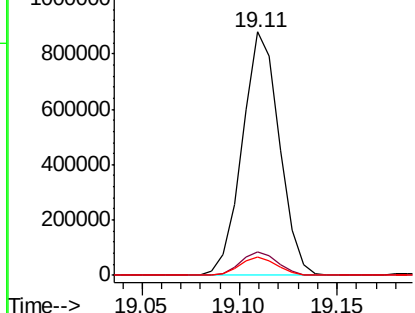
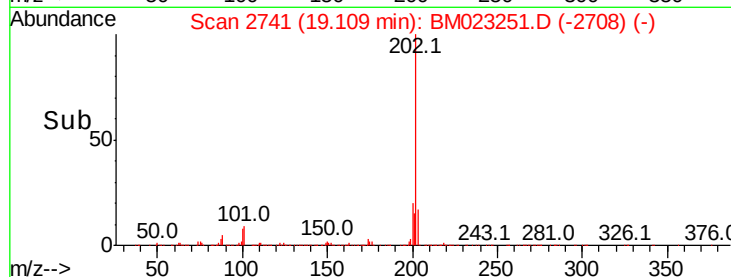
#77
 Fluoranthene
 Concen: 8.579 ng/ul
 RT: 19.11 min Scan# 2741
 Delta R.T. -0.01 min
 Lab File: BM023251.D
 Acq: 18 Oct 2019 10:39

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 1152714
 Ion Ratio Lower Upper
 202 100
 101 9.7 7.8 11.8
 100 7.7 6.1 9.1

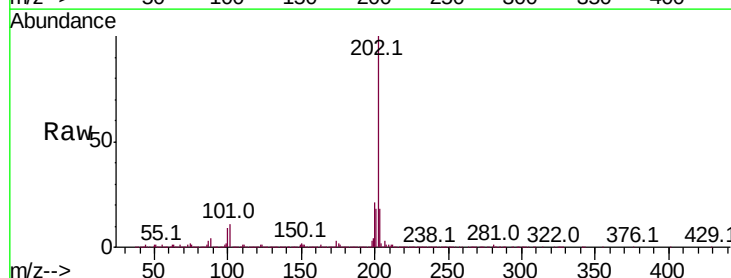


Abundance Ion 202.00 (201.70 to 202.70): E
 1200000
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

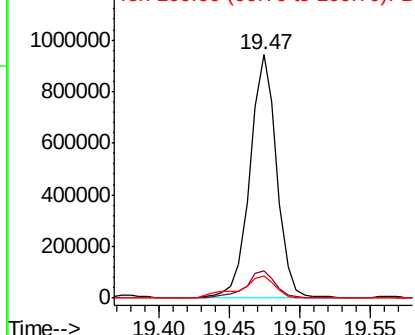
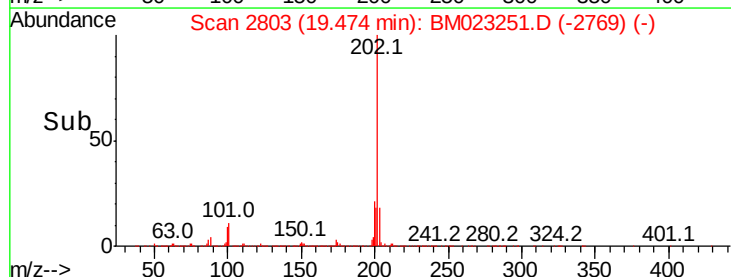


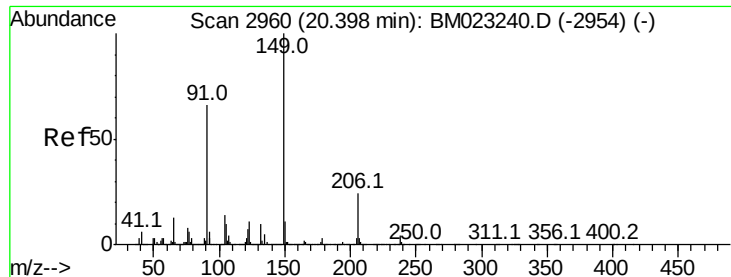
#80
 Pyrene
 Concen: 9.322 ng/ul
 RT: 19.47 min Scan# 2803
 Delta R.T. -0.00 min
 Lab File: BM023251.D
 Acq: 18 Oct 2019 10:39

Tgt Ion:202 Resp: 1250680
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.1 13.7
 100 9.0 7.5 11.3



Abundance Ion 202.00 (201.70 to 202.70): E
 1200000
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#81

Butylbenzylphthalate

Concen: 1.035 ng/ul

RT: 20.40 min Scan# 2960

Delta R.T. -0.00 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

Instrument :

BNA_M

ClientSampled :

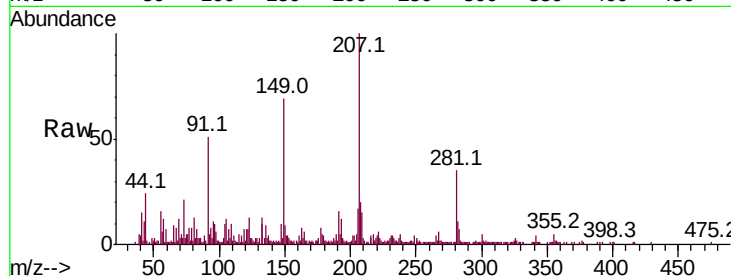
Tot Ion:149 Resp: 48292

Ion Ratio Lower Upper

149 100

91 73.7 59.9 89.9

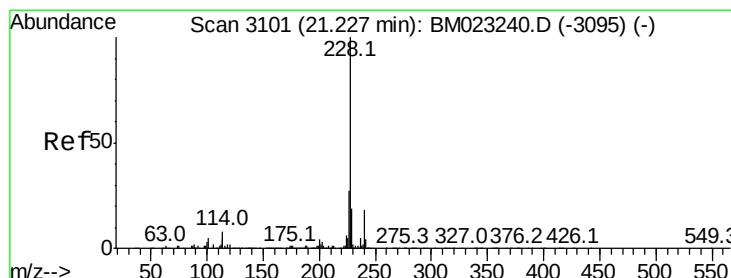
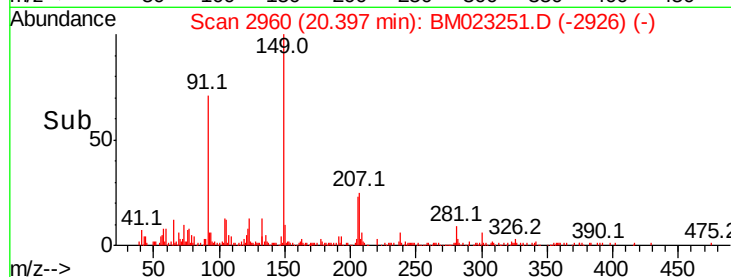
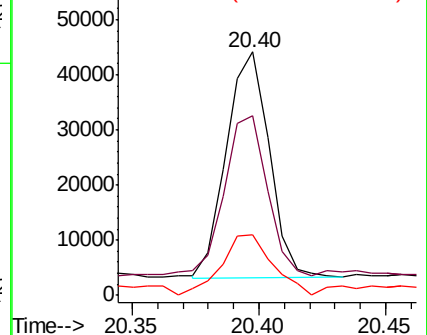
206 24.7 17.1 25.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 5.792 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

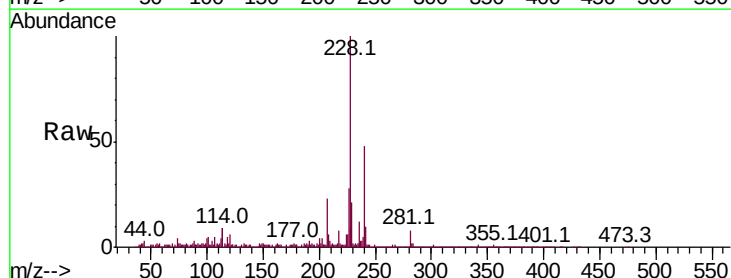
Tgt Ion:228 Resp: 840538

Ion Ratio Lower Upper

228 100

229 20.5 15.7 23.5

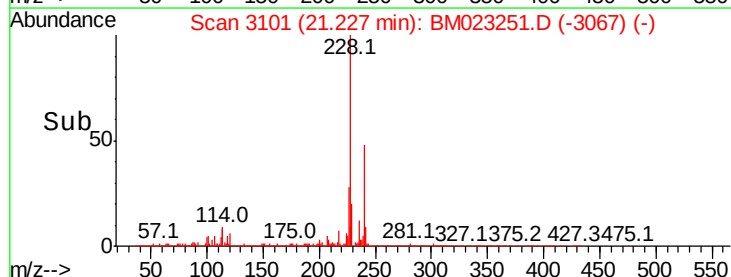
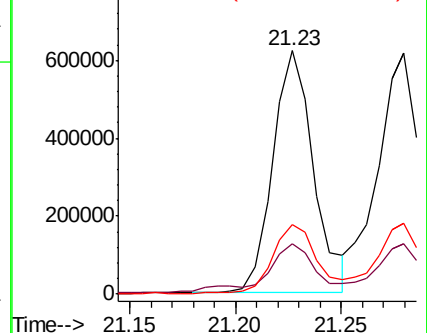
226 28.4 21.6 32.4

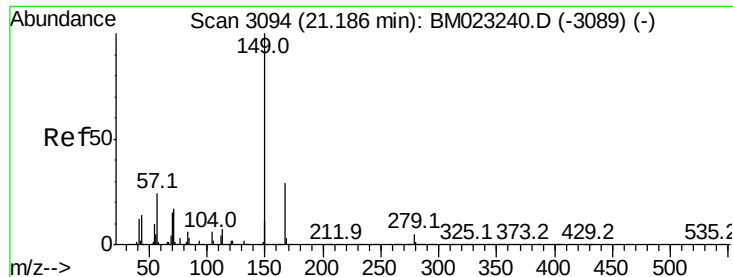


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

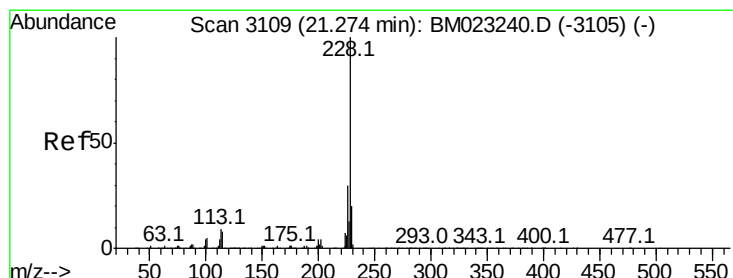
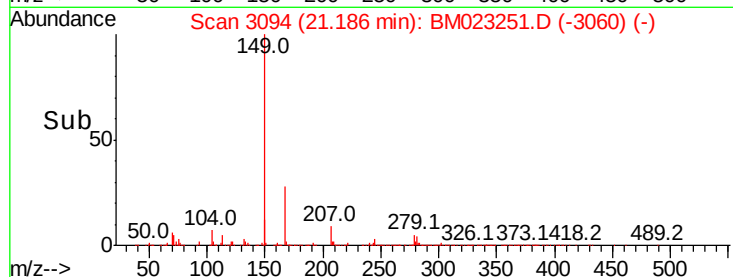
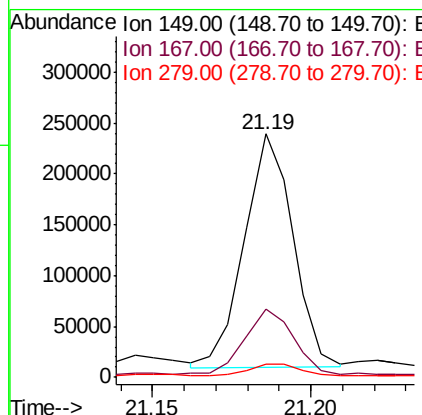
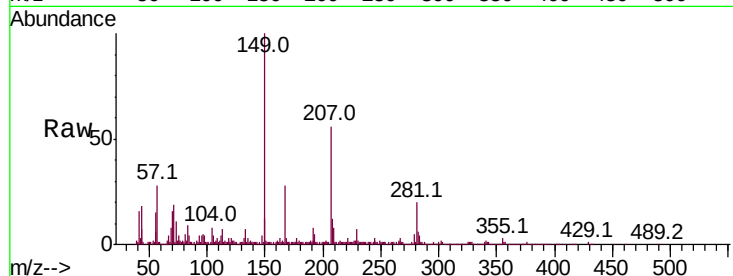




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.282 ng/ul
 RT: 21.19 min Scan# 3094
 Delta R.T. -0.00 min
 Lab File: BM023251.D
 Acq: 18 Oct 2019 10:39

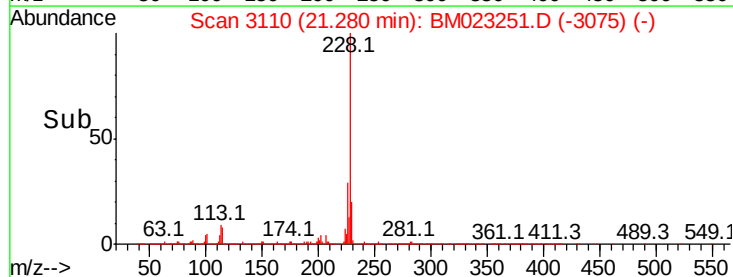
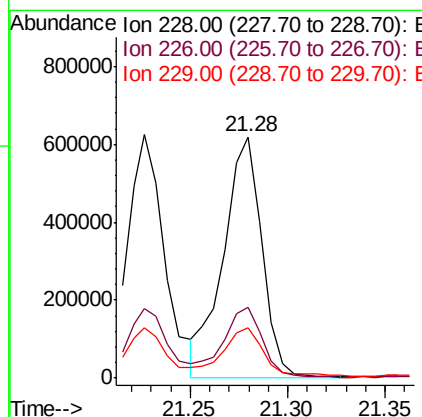
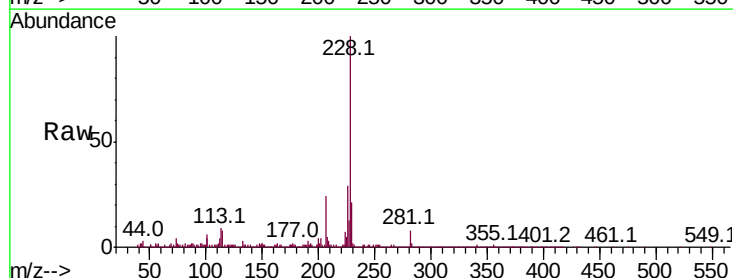
Instrument :
 BNA_M
 ClientSampleId :

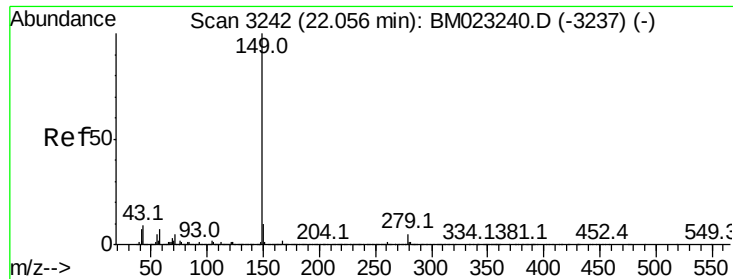
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.5	33.7
279	5.5	4.0	6.0



#85
 Chrysene
 Concen: 6.268 ng/ul
 RT: 21.28 min Scan# 3110
 Delta R.T. 0.01 min
 Lab File: BM023251.D
 Acq: 18 Oct 2019 10:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.6
229	20.7	15.5	23.3





#87

Di-n-octyl phthalate

Concen: 1.186 ng/ul

RT: 22.06 min Scan# 3243

Delta R.T. 0.01 min

Lab File: BM023251.D

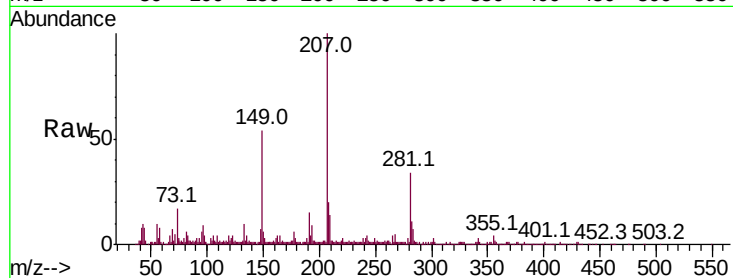
Acq: 18 Oct 2019 10:39

Instrument :

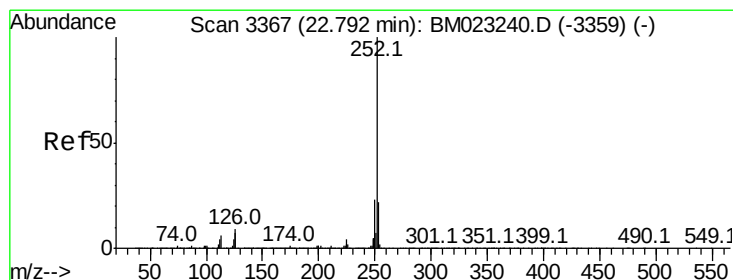
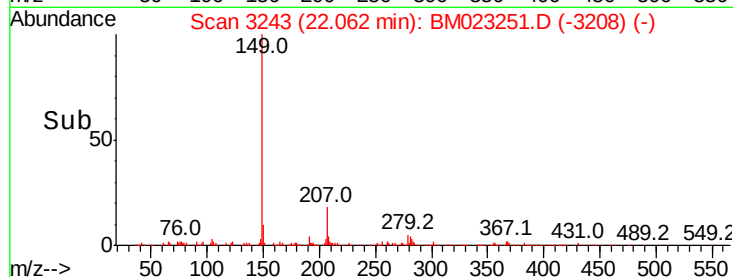
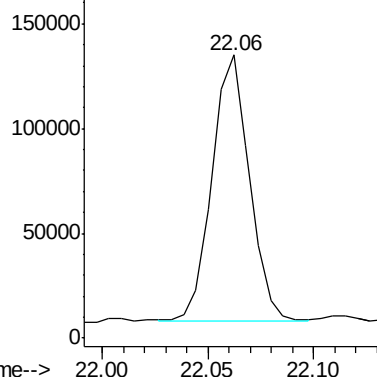
BNA_M

ClientSampleId :

Tgt Ion:149 Resp: 156107



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 6.876 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.00 min

Lab File: BM023251.D

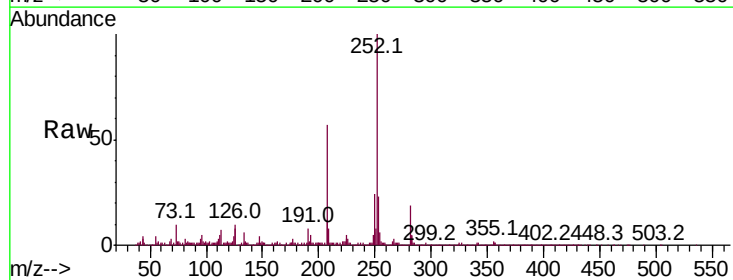
Acq: 18 Oct 2019 10:39

Tgt Ion:252 Resp: 1063513

Ion	Ratio	Lower	Upper
252	100		

253	23.1	17.6	26.4
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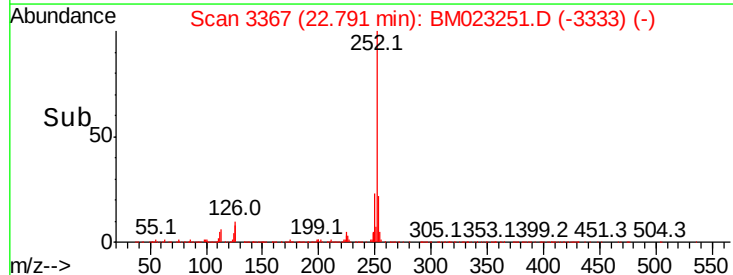
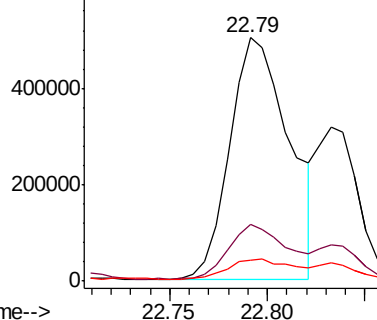
125	8.5	6.4	9.6
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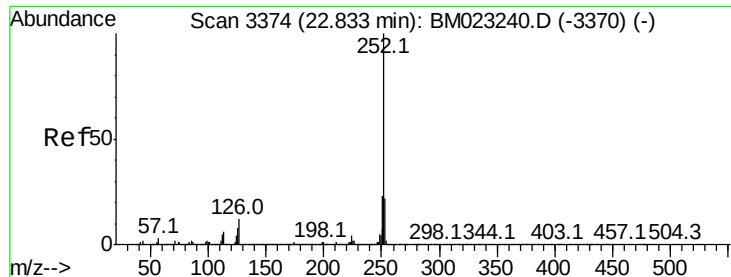


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.160 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.04 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

Instrument :

BNA_M

ClientSampleId :

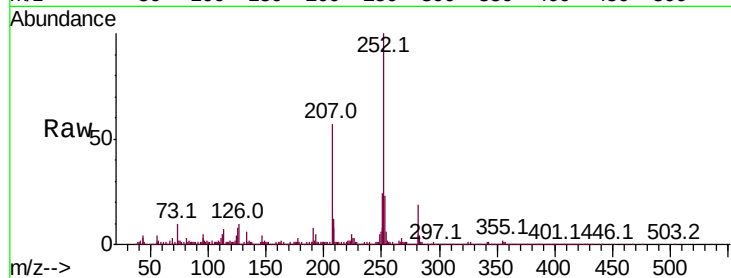
Tot Ion:252 Resp: 1063513

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

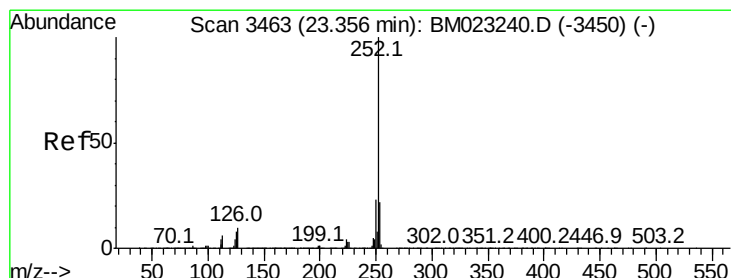
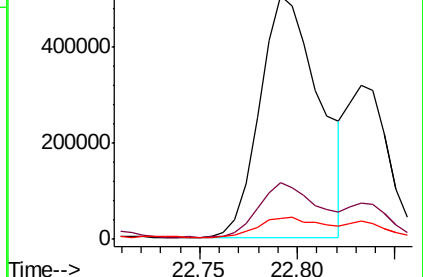
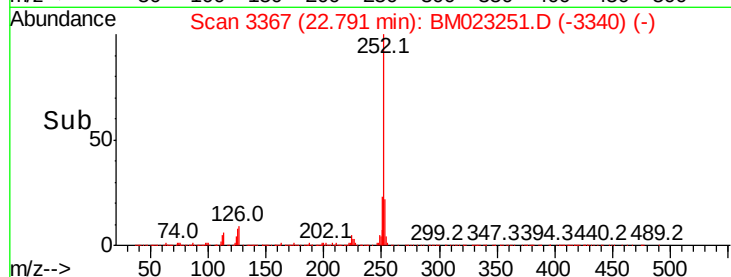
125 8.5 6.5 9.7



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: 5.564 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. -0.00 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

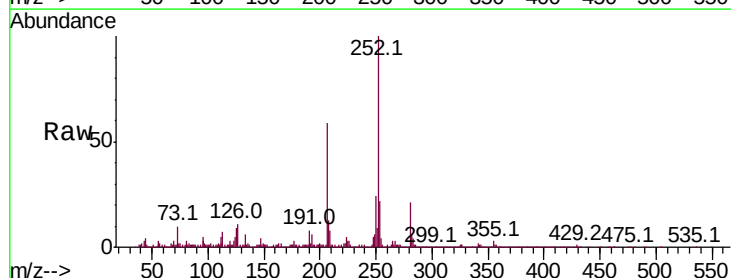
Tgt Ion:252 Resp: 825718

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

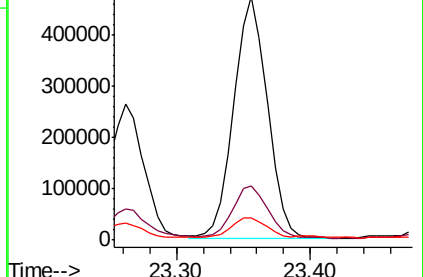
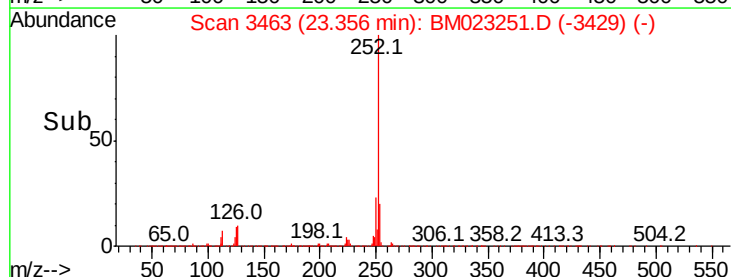
125 9.3 7.4 11.0

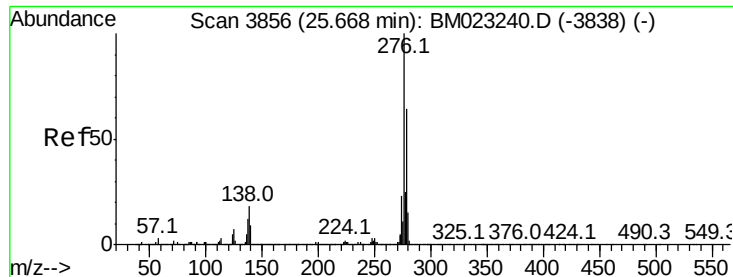


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



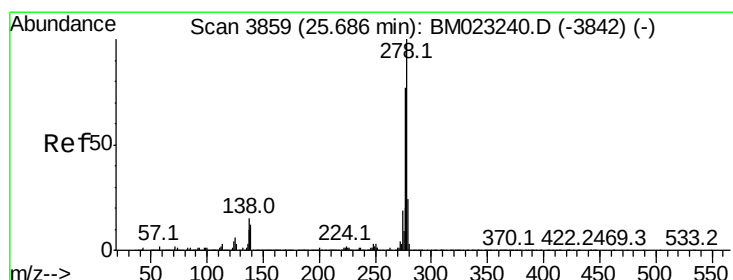
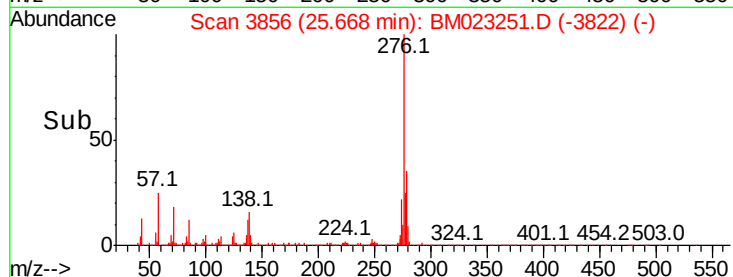
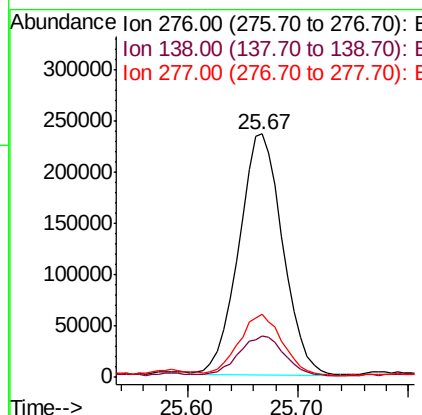
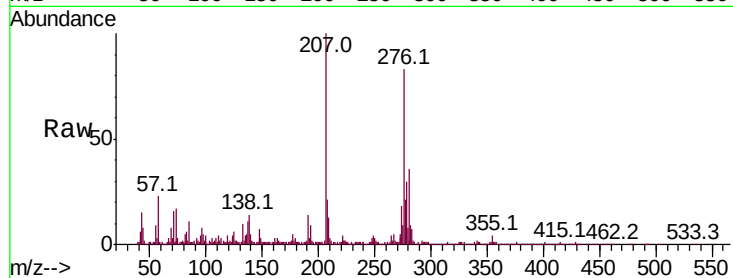


#92

Indeno(1,2,3-cd)pyrene
Concen: 3.713 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. -0.00 min
Lab File: BM023251.D
Acq: 18 Oct 2019 10:39

Instrument :
BNA_M
ClientSampleId :

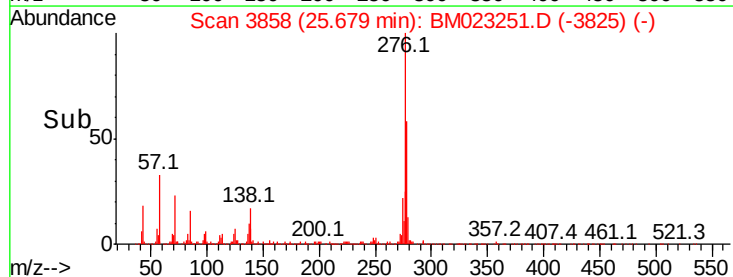
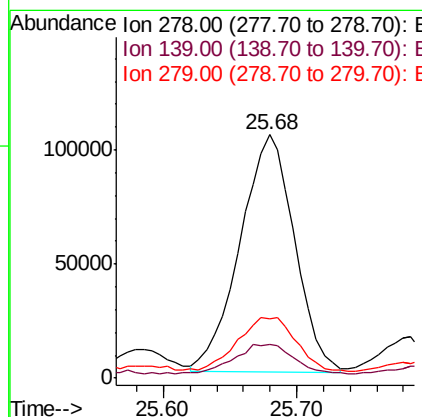
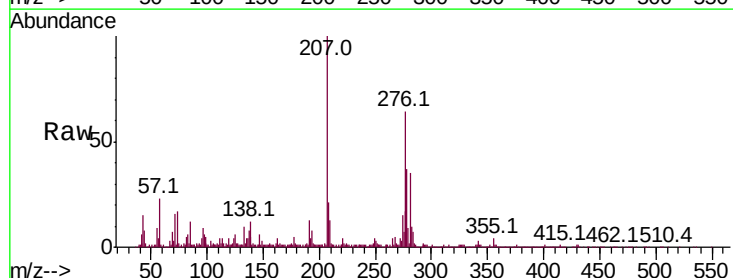
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	14.9	22.3
277	25.9	19.8	29.8

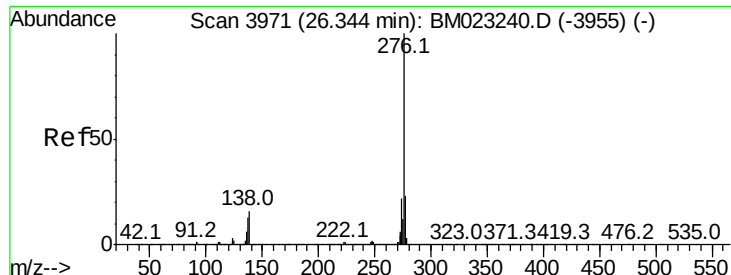


#93

Dibenzo(a,h)anthracene
Concen: 2.007 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. -0.01 min
Lab File: BM023251.D
Acq: 18 Oct 2019 10:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.8	10.0	15.0
279	24.3	19.4	29.0





#94

Benzo(a,h,i)perylene

Concen: 4.346 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. -0.01 min

Lab File: BM023251.D

Acq: 18 Oct 2019 10:39

Instrument :

BNA_M

ClientSampleId :

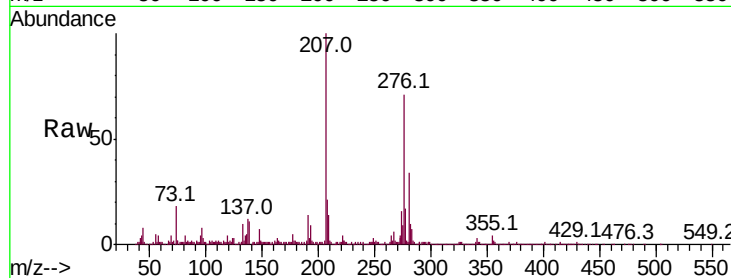
Tot Ion: 276 Resp: 631747

Ion Ratio Lower Upper

276 100

138 15.5 14.4 21.6

277 23.7 19.4 29.2



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

