

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101919\
 Data File : BM023283.D
 Acq On : 19 Oct 2019 12:07
 Operator : JU
 Sample : K5345-09DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 19 23:37:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 19 23:34:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	346774	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1355583	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	809365	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1631378	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	1713848	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2045699	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	3564	0.45	ng/uL	0.01
5) Phenol-d5	6.82	99	46217	1.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	30367	1.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	39713	1.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	36316	1.50	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	17287	1.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	16503	1.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	35971	1.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	47878	1.77	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	120326	1.94	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	130993	1.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	6185	0.62	ng/ul	0.00
58) Fluorene-d10	15.29	176	107833	2.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	5066	0.78	ng/ul	0.00
71) Anthracene-d10	17.14	188	166096	2.11	ng/ul	0.00
79) Pyrene-d10	19.43	212	192519	2.32	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	214599	2.07	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	6566263	93.716	ng/ul	99
30) 4-Chloroaniline	10.48	127	871176	31.165	ng/ul#	10
34) 2-Methylnaphthalene	12.10	142	876444	16.810	ng/ul	97
35) 1-Methylnaphthalene	12.32	142	414655	8.218	ng/ul	99
41) 1,1'-Biphenyl	13.13	154	202941	3.295	ng/ul	97
48) Acenaphthylene	14.02	152	83136	1.118	ng/ul	96
50) Acenaphthene	14.36	153	630710	12.178	ng/ul	98
54) Dibenzofuran	14.70	168	732252	9.959	ng/ul	99
59) Fluorene	15.35	166	590645	9.791	ng/ul	99
70) Phenanthrene	17.09	178	2898747	31.662	ng/ul	99
72) Anthracene	17.17	178	346902	3.667	ng/ul	99
75) Carbazole	17.44	167	165792	1.962	ng/ul	98
77) Fluoranthene	19.10	202	2088748	19.183	ng/ul	99
80) Pyrene	19.46	202	1478702	13.773	ng/ul	98
83) Benzo(a)anthracene	21.22	228	722373	6.221	ng/ul	96
85) Chrysene	21.27	228	409564	3.798	ng/ul	98
88) Benzo(b)fluoranthene	22.78	252	645962	5.208	ng/ul	97
89) Benzo(k)fluoranthene	22.78	252	645962	5.424	ng/ul	96
91) Benzo(a)pyrene	23.34	252	429183	3.607	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.64	276	206952	1.462	ng/ul	99
94) Benzo(a,h,i)perylene	26.31	276	180036	1.545	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 19 23:34:34 2019
Response via : Initial Calibration

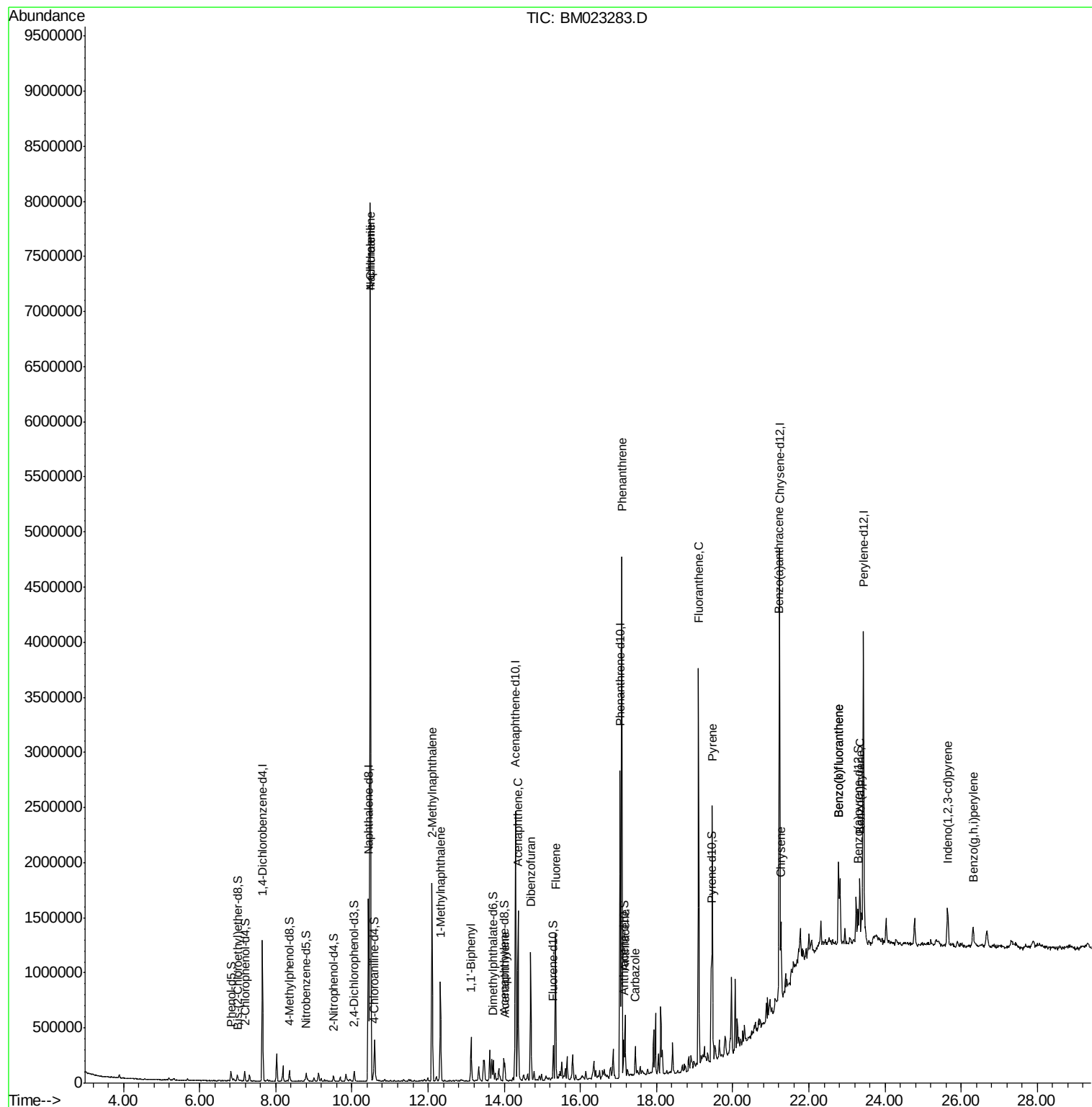
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

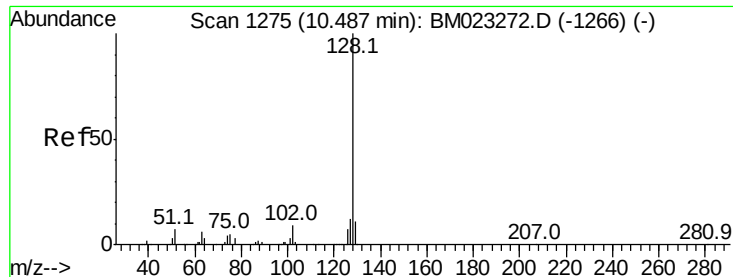
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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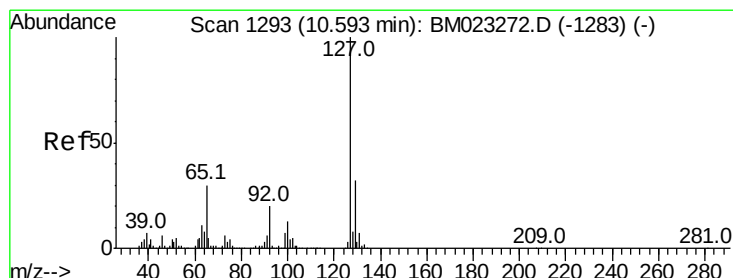
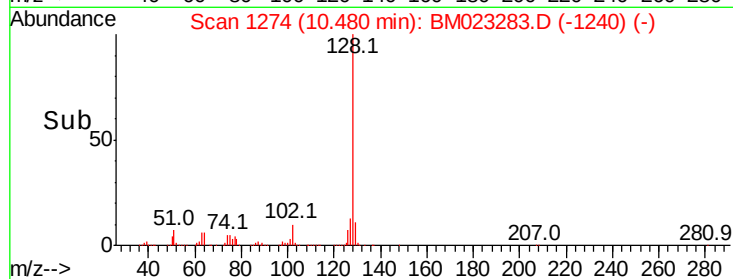
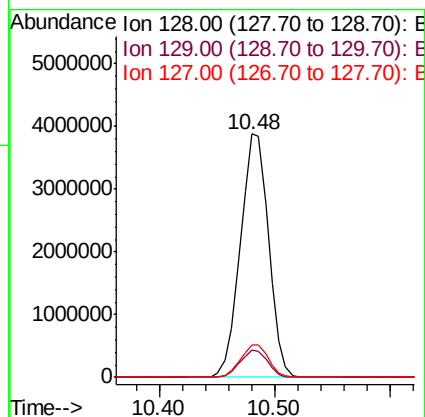
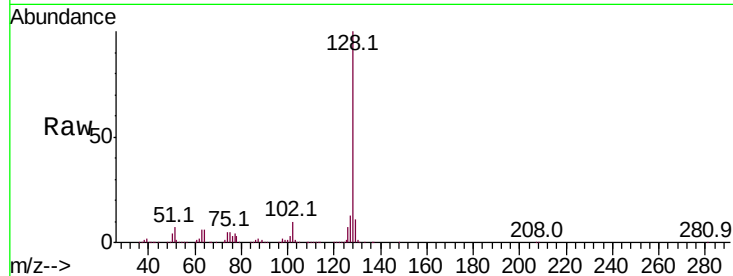




#28
Naphthalene
Concen: 93.716 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM023283.D
Acq: 19 Oct 2019 12:07

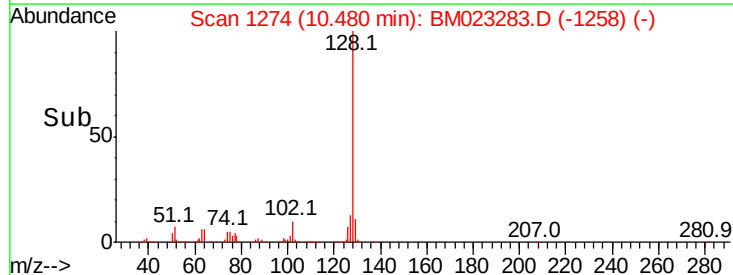
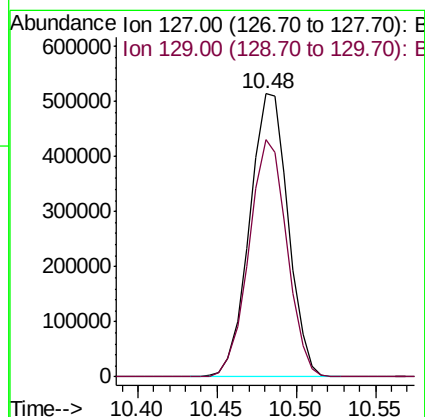
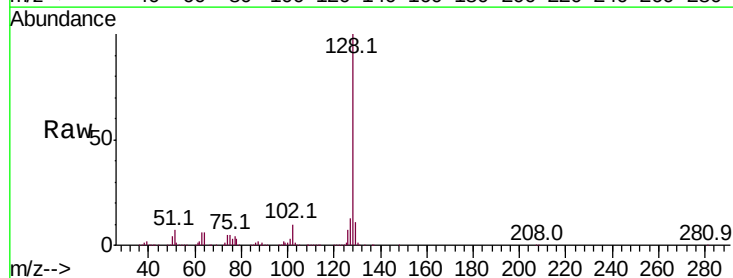
Instrument :
BNA_M
ClientSampleId :

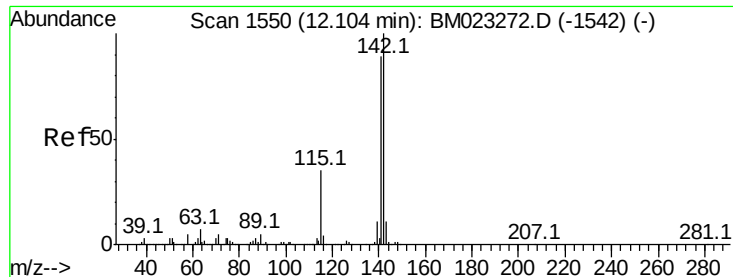
Tot Ion:128 Resp: 6566263
Ion Ratio Lower Upper
128 100
129 11.1 8.3 12.5
127 13.2 10.2 15.4



#30
4-Chloroaniline
Concen: 31.165 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.11 min
Lab File: BM023283.D
Acq: 19 Oct 2019 12:07

Tgt Ion:127 Resp: 871176
Ion Ratio Lower Upper
127 100
129 83.9 26.3 39.5#

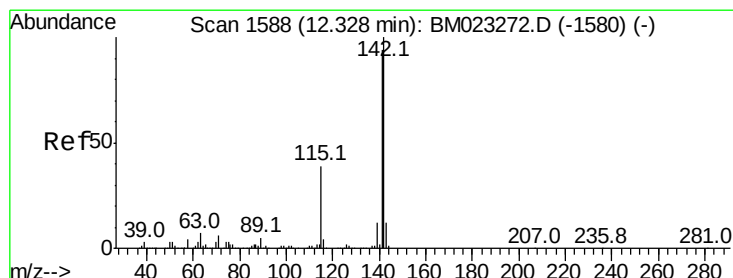
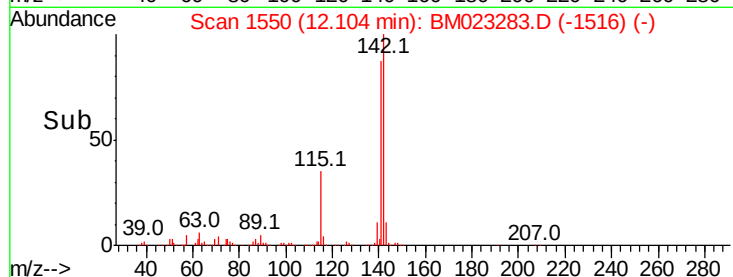
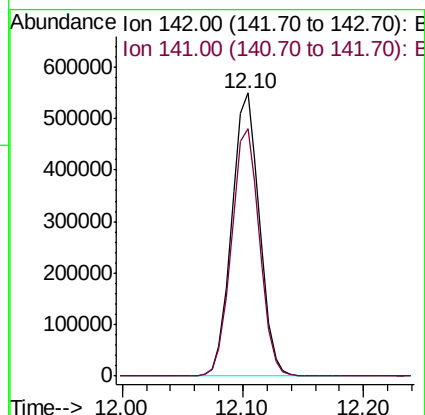
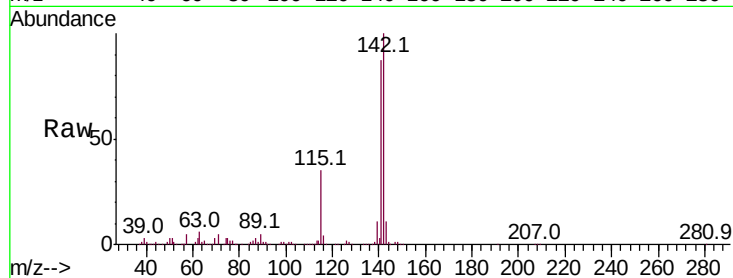




#34
 2-Methylnaphthalene
 Concen: 16.810 ng/ul
 RT: 12.10 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BM023283.D
 Acq: 19 Oct 2019 12:07

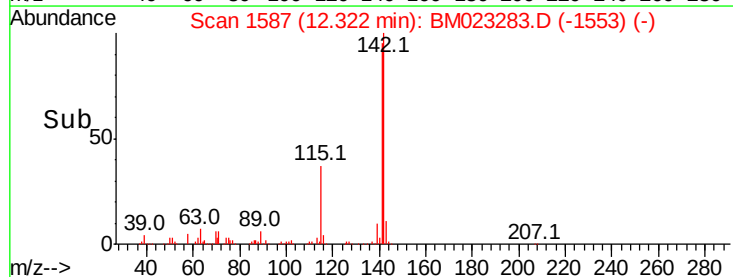
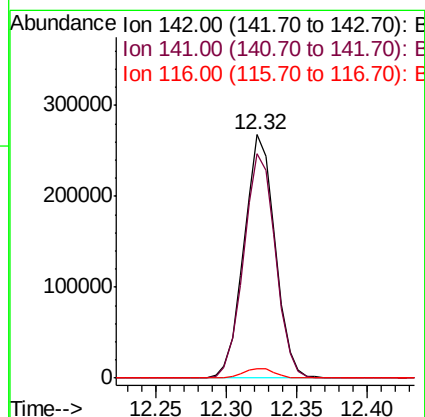
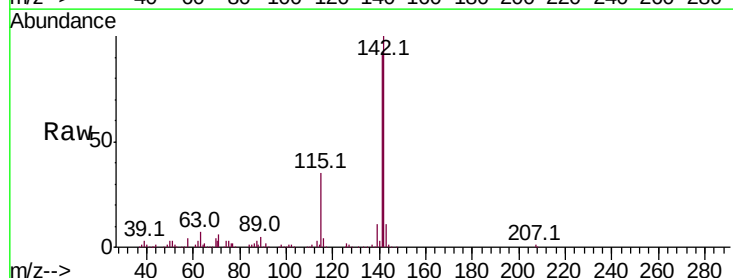
Instrument :
 BNA_M
 ClientSampleId :

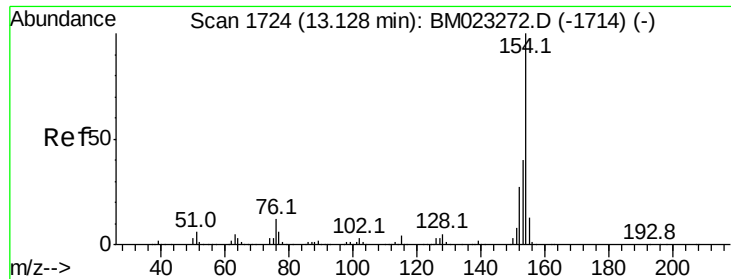
Tot Ion:142 Resp: 876444
 Ion Ratio Lower Upper
 142 100
 141 87.4 72.1 108.1



#35
 1-Methylnaphthalene
 Concen: 8.218 ng/ul
 RT: 12.32 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BM023283.D
 Acq: 19 Oct 2019 12:07

Tgt Ion:142 Resp: 414655
 Ion Ratio Lower Upper
 142 100
 141 92.0 74.2 111.2
 116 3.9 3.3 4.9

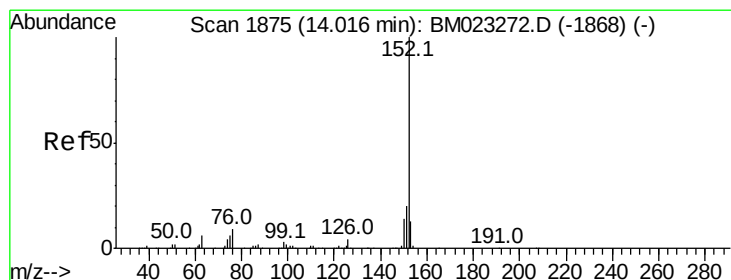
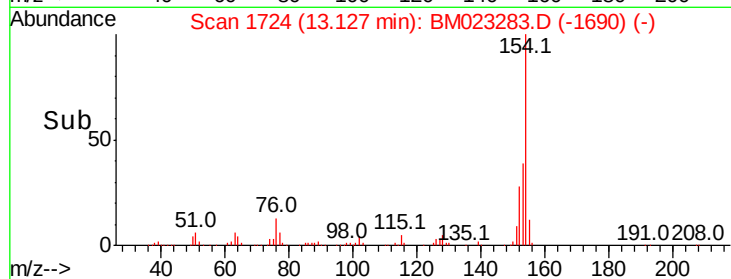
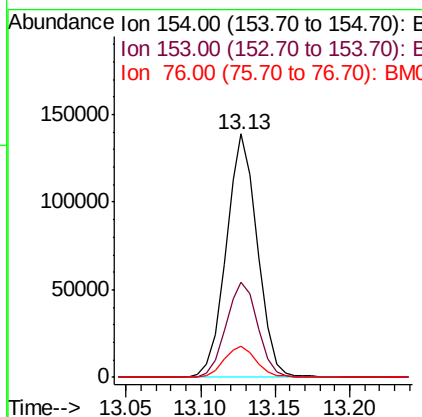
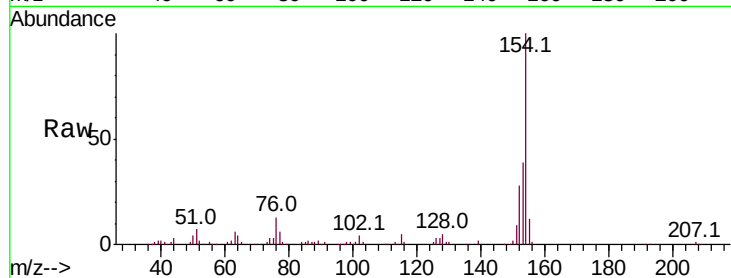




#41
 1,1'-Biphenyl
 Concen: 3.295 ng/ul
 RT: 13.13 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BM023283.D
 Acq: 19 Oct 2019 12:07

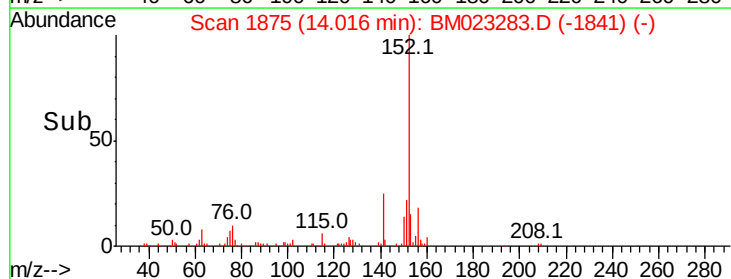
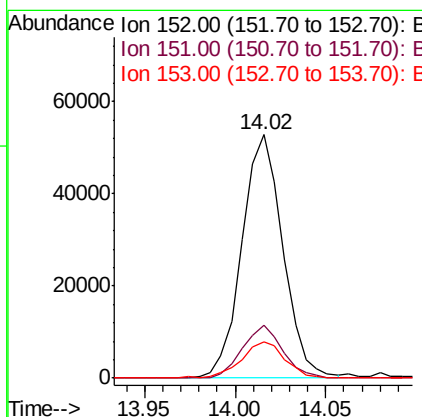
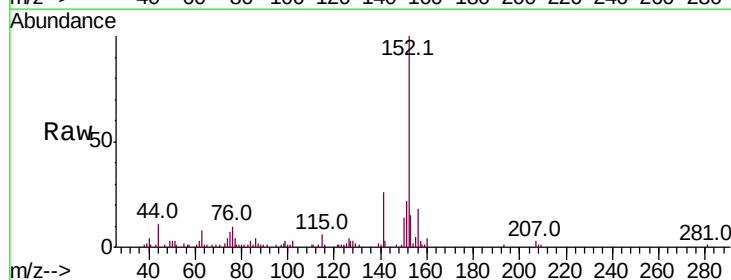
Instrument :
 BNA_M
 ClientSampleId :

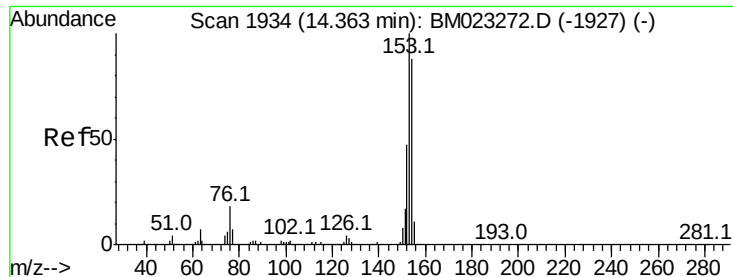
Tot Ion:	154	Resp:	202941
Ion	Ratio	Lower	Upper
154	100		
153	38.8	33.1	49.7
76	12.9	10.6	15.8



#48
 Acenaphthylene
 Concen: 1.118 ng/ul
 RT: 14.02 min Scan# 1875
 Delta R.T. -0.00 min
 Lab File: BM023283.D
 Acq: 19 Oct 2019 12:07

Tgt Ion:	152	Resp:	83136
Ion	Ratio	Lower	Upper
152	100		
151	21.6	15.8	23.6
153	14.7	10.3	15.5





#50

Acenaphthene

Concen: 12.178 ng/ul

RT: 14.36 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

Instrument :

BNA_M

ClientSampleId :

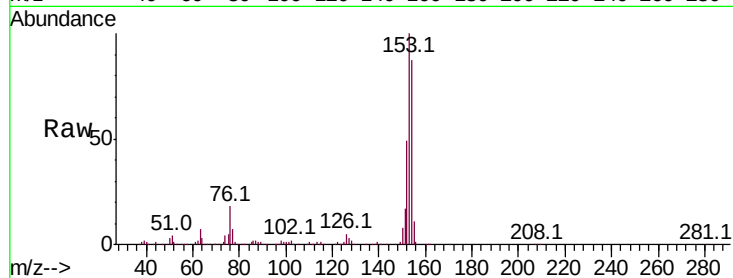
Tot Ion:153 Resp: 630710

Ion Ratio Lower Upper

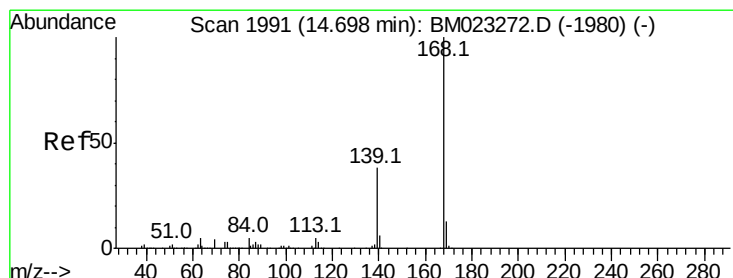
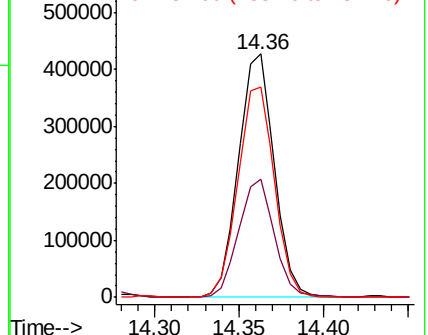
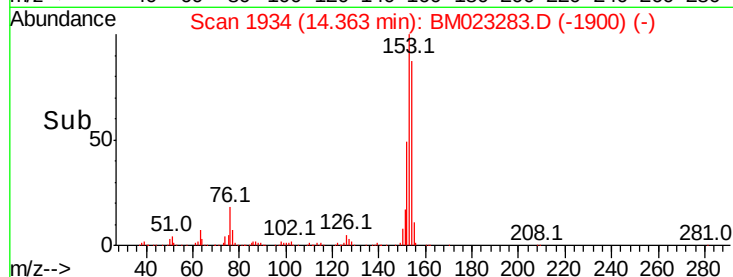
153 100

152 48.6 38.0 57.0

154 86.6 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



#54

Dibenzofuran

Concen: 9.959 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BM023283.D

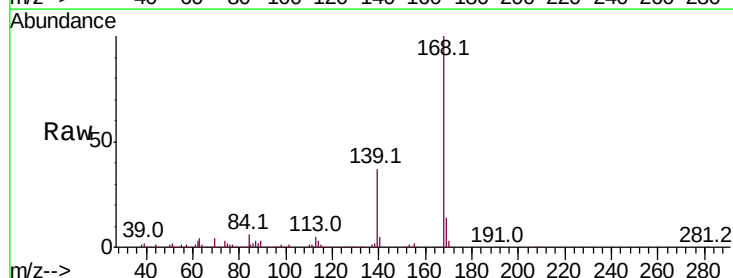
Acq: 19 Oct 2019 12:07

Tgt Ion:168 Resp: 732252

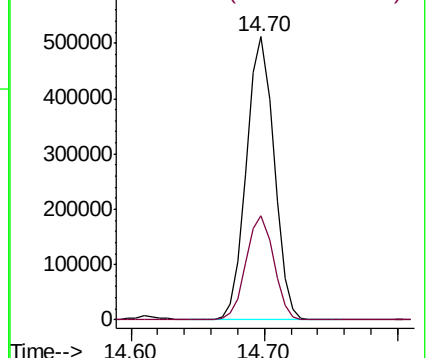
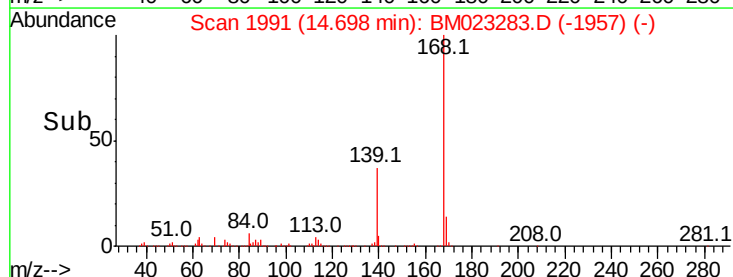
Ion Ratio Lower Upper

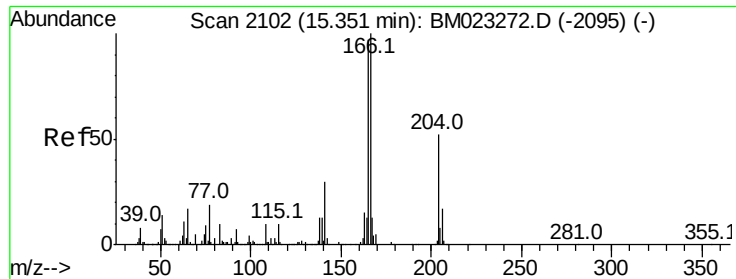
168 100

139 36.8 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

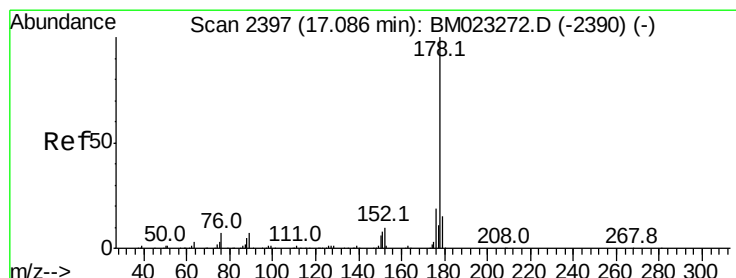
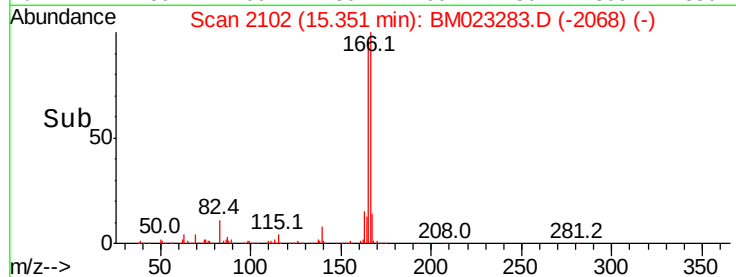
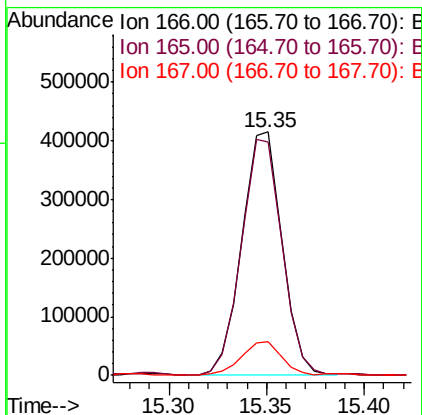
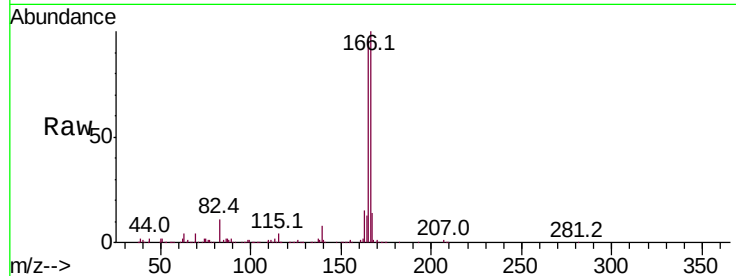




#59
Fluorene
Concen: 9.791 ng/ul
RT: 15.35 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BM023283.D
Acq: 19 Oct 2019 12:07

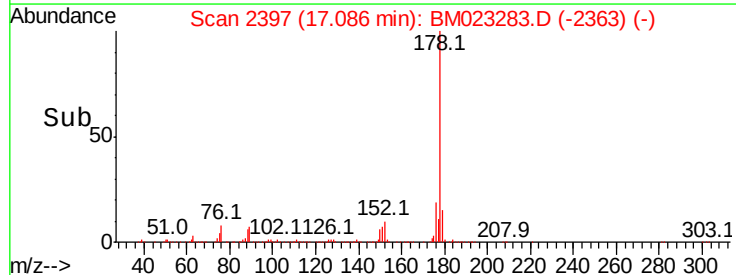
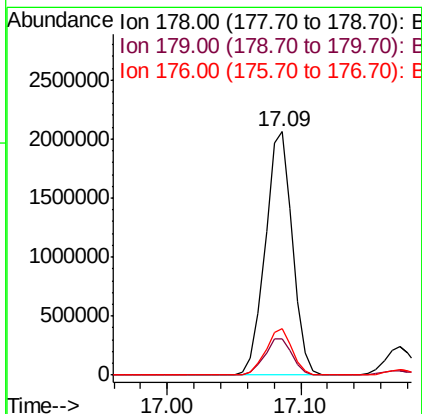
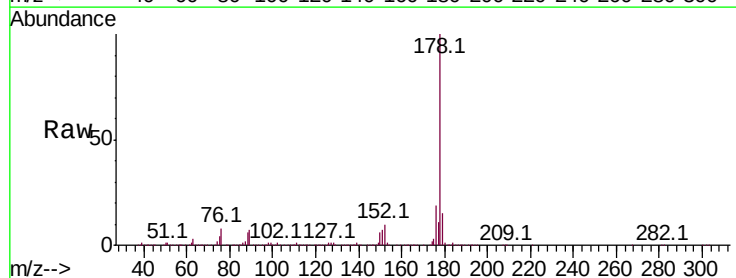
Instrument :
BNA_M
ClientSampleId :

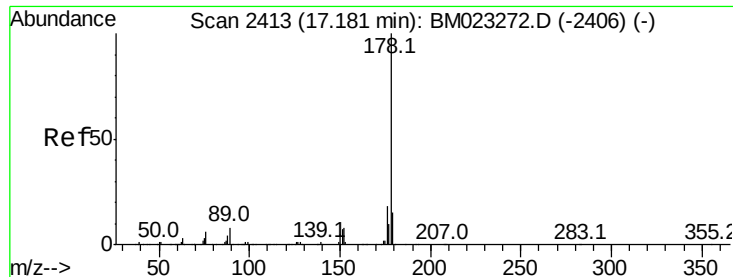
Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.4	116.0
167	13.9	10.8	16.2



#70
Phenanthrene
Concen: 31.662 ng/ul
RT: 17.09 min Scan# 2397
Delta R.T. -0.00 min
Lab File: BM023283.D
Acq: 19 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	18.9	15.5	23.3





#72

Anthracene

Concen: 3.667 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

Instrument :

BNA_M

ClientSampled :

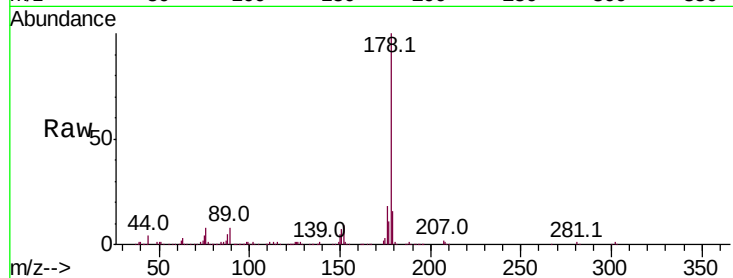
Tot Ion:178 Resp: 346902

Ion Ratio Lower Upper

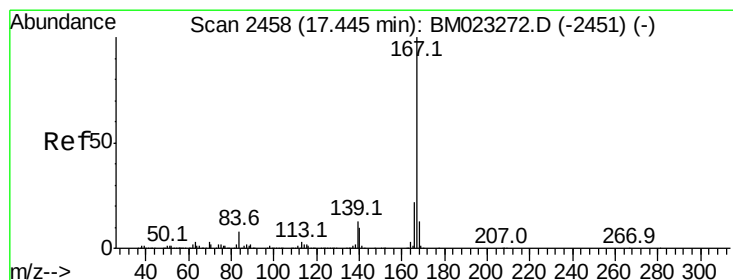
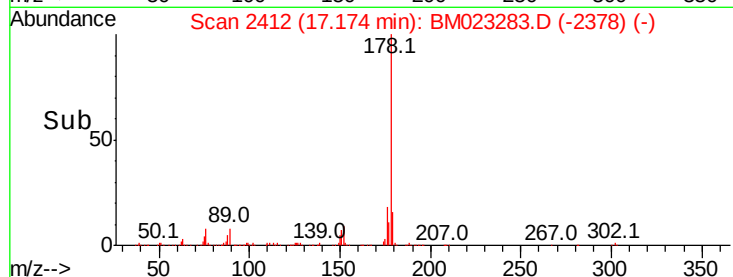
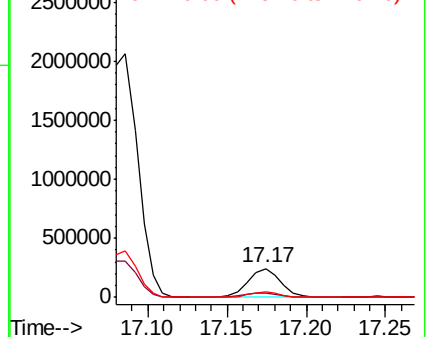
178 100

179 15.9 12.3 18.5

176 18.0 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



#75

Carbazole

Concen: 1.962 ng/ul

RT: 17.44 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

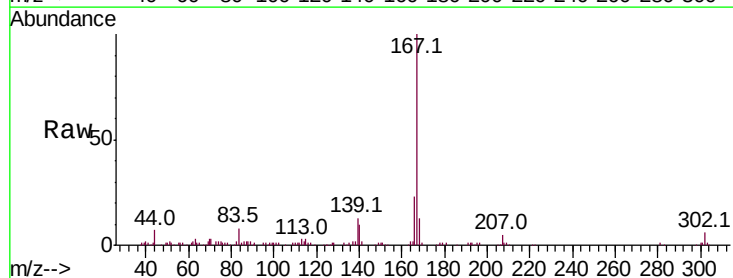
Tgt Ion:167 Resp: 165792

Ion Ratio Lower Upper

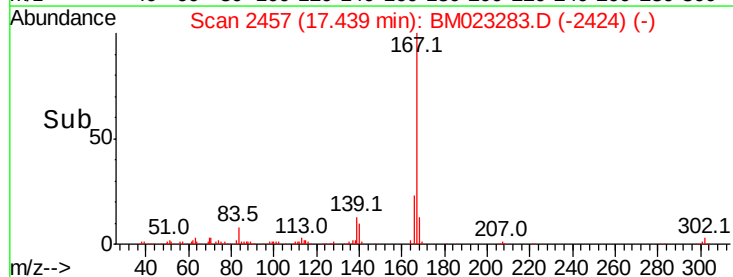
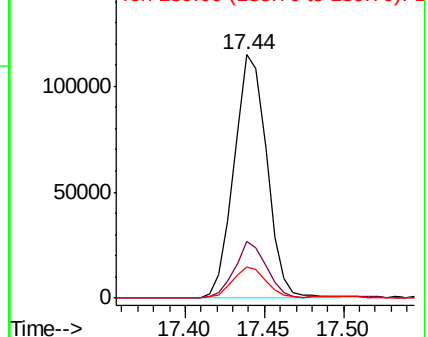
167 100

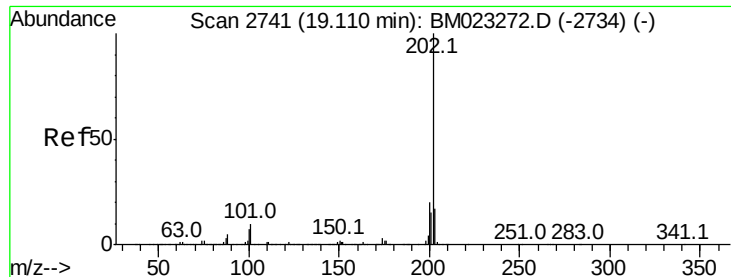
166 23.2 17.4 26.0

139 13.0 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E

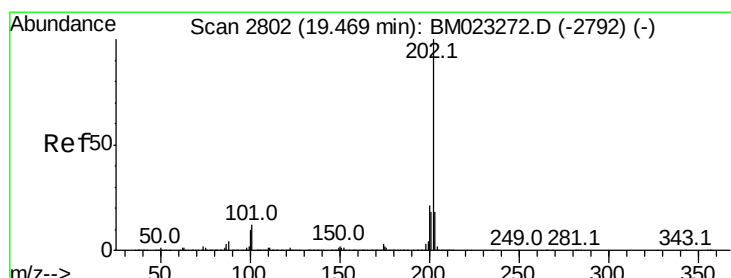
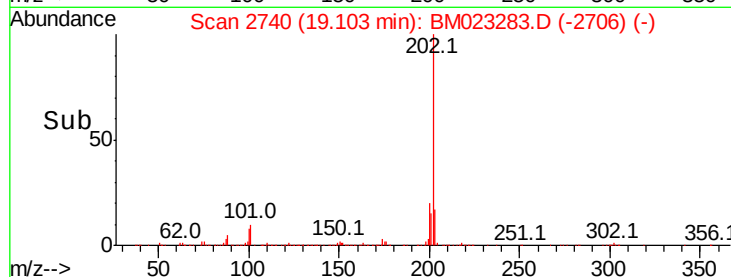
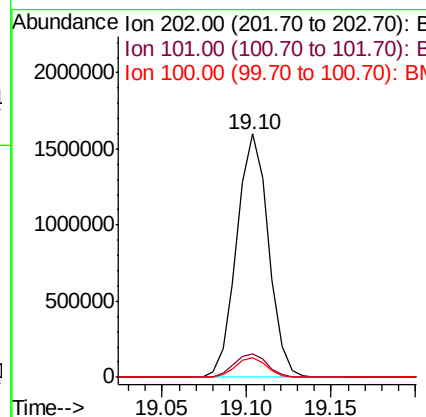
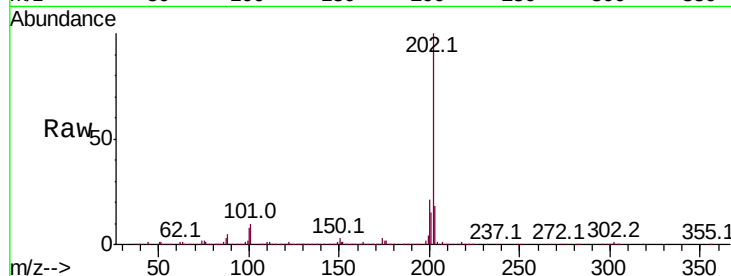




#77
Fluoranthene
Concen: 19.183 ng/ul
RT: 19.10 min Scan# 2740
Delta R.T. -0.00 min
Lab File: BM023283.D
Acq: 19 Oct 2019 12:07

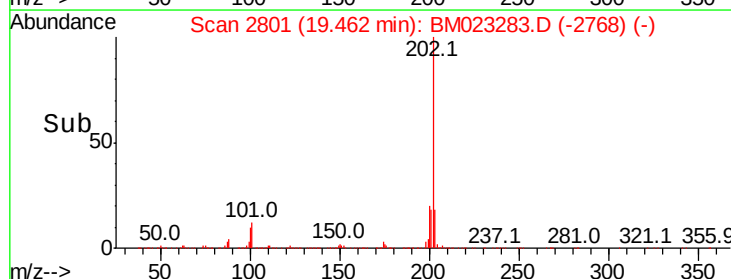
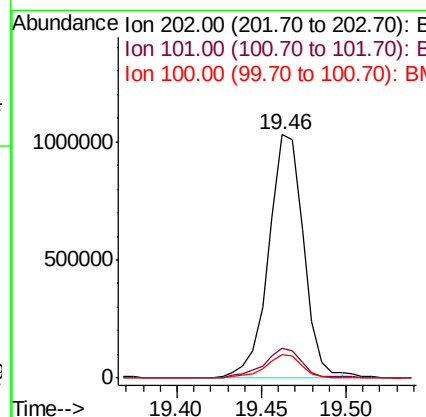
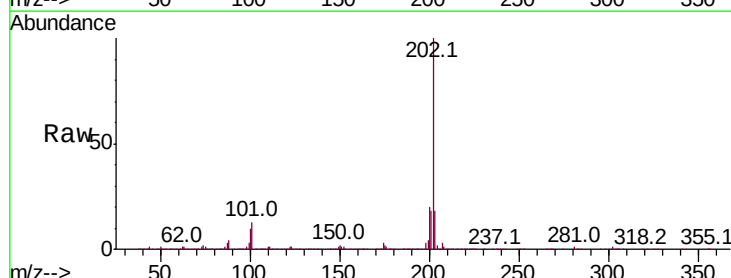
Instrument :
BNA_M
ClientSampleId :

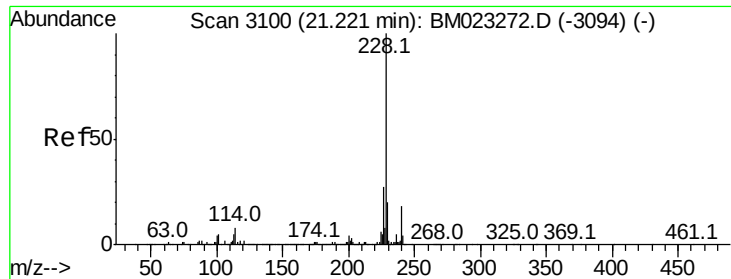
Tot Ion:202 Resp: 2088748
Ion Ratio Lower Upper
202 100
101 9.9 7.8 11.8
100 8.0 6.1 9.1



#80
Pyrene
Concen: 13.773 ng/ul
RT: 19.46 min Scan# 2801
Delta R.T. -0.01 min
Lab File: BM023283.D
Acq: 19 Oct 2019 12:07

Tgt Ion:202 Resp: 1478702
Ion Ratio Lower Upper
202 100
101 12.5 9.1 13.7
100 9.6 7.5 11.3





#83

Benzo(a)anthracene

Concen: 6.221 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

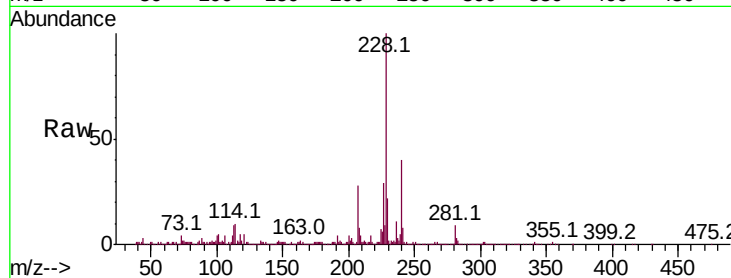
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 722373

Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.7	23.5
226	28.9	21.6	32.4

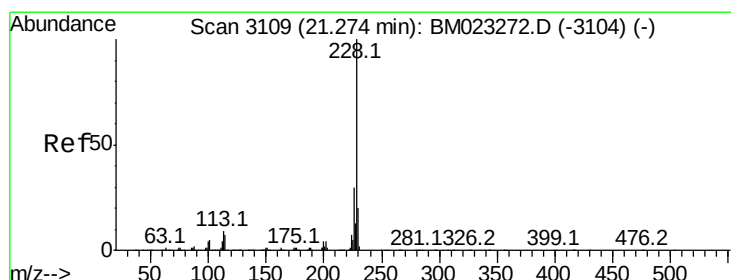
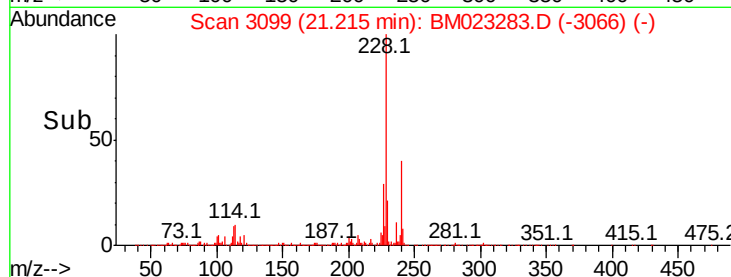
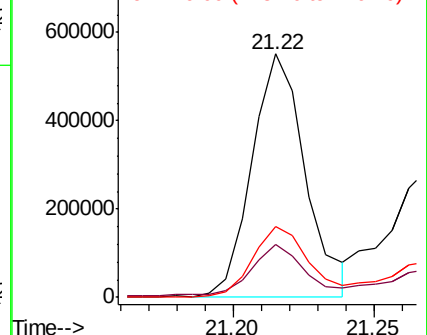


Abundance

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



#85

Chrysene

Concen: 3.798 ng/ul

RT: 21.27 min Scan# 3108

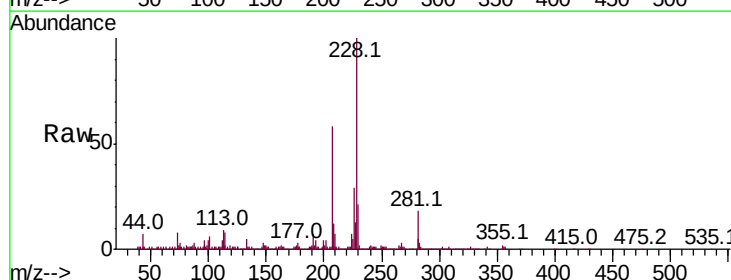
Delta R.T. -0.00 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

Tgt Ion:228 Resp: 409564

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	21.2	15.5	23.3

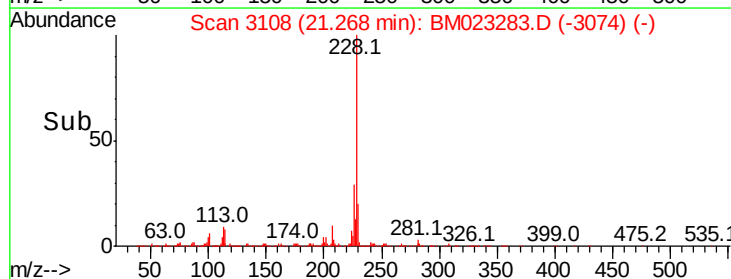
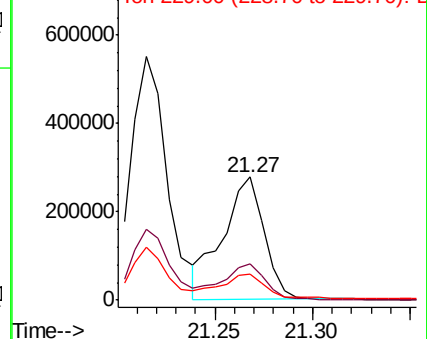


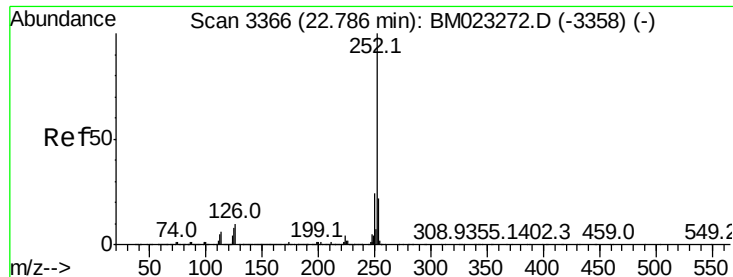
Abundance

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





#88

Benzo(b)fluoranthene

Concen: 5.208 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.00 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

Instrument :

BNA_M

ClientSampleId :

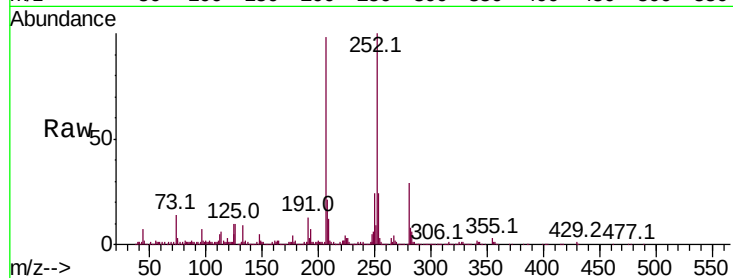
Tot Ion:252 Resp: 645962

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

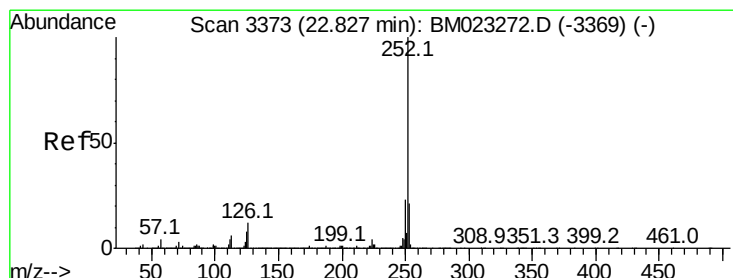
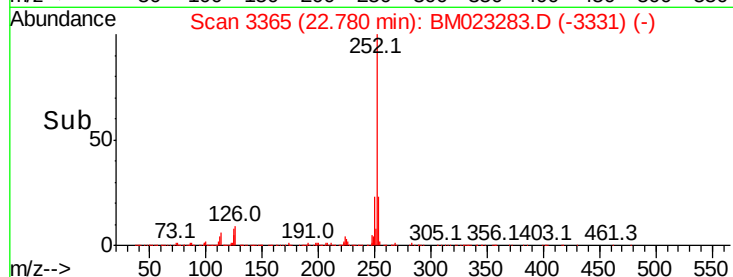
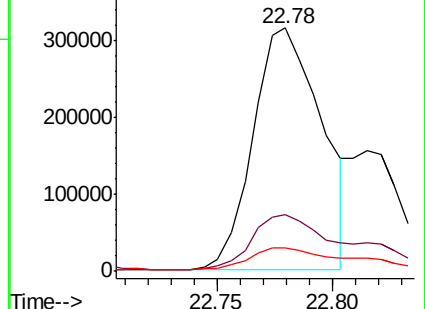
125 9.5 6.4 9.6



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



#89

Benzo(k)fluoranthene

Concen: 5.424 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

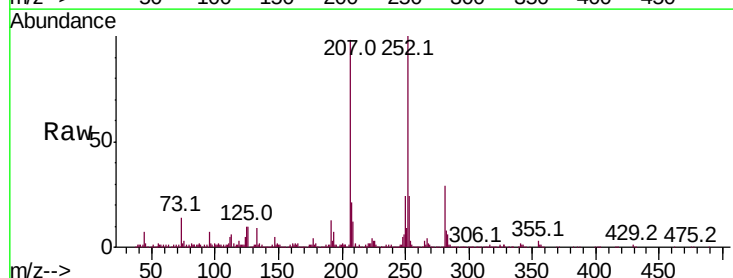
Tgt Ion:252 Resp: 645962

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

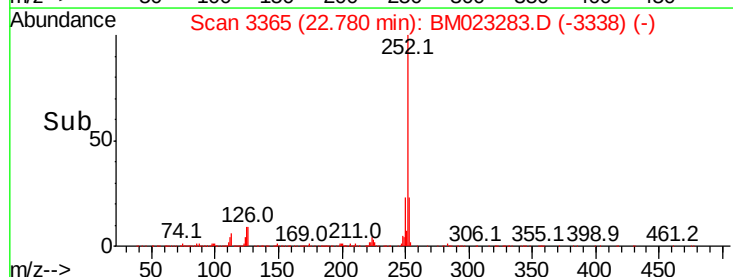
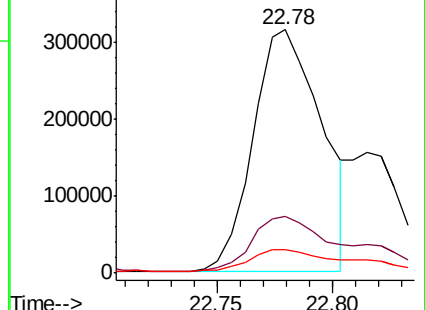
125 9.5 6.5 9.7

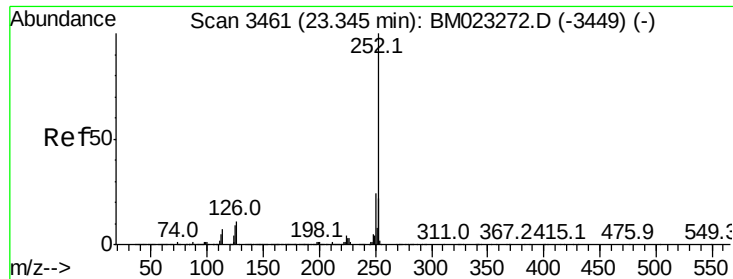


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 3.607 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

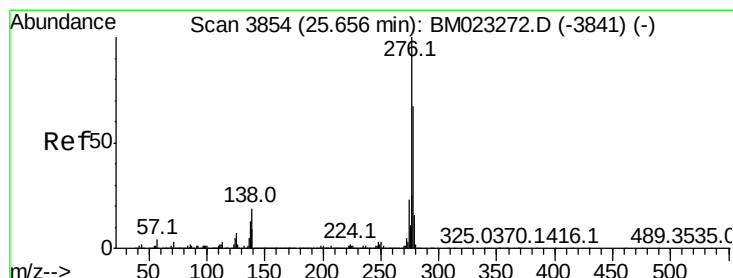
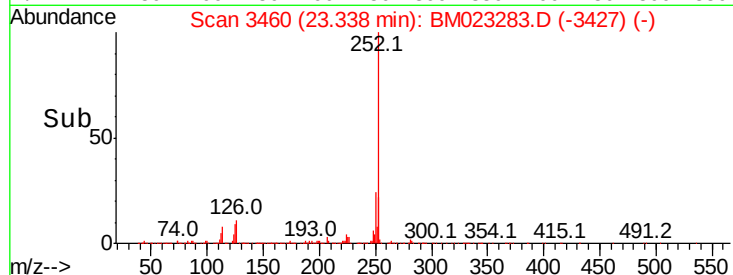
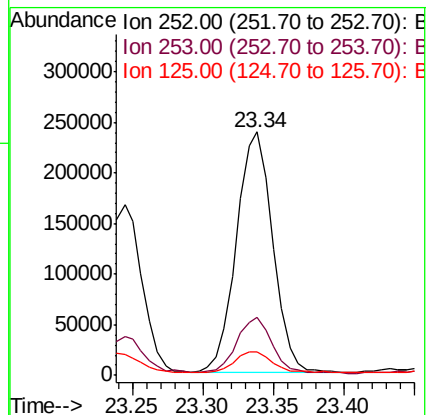
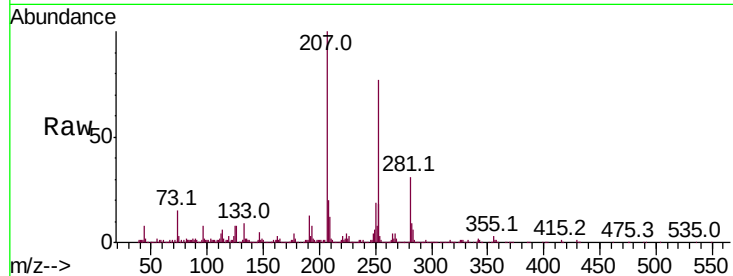
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 429183

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	9.9	7.4	11.0



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.462 ng/ul

RT: 25.64 min Scan# 3851

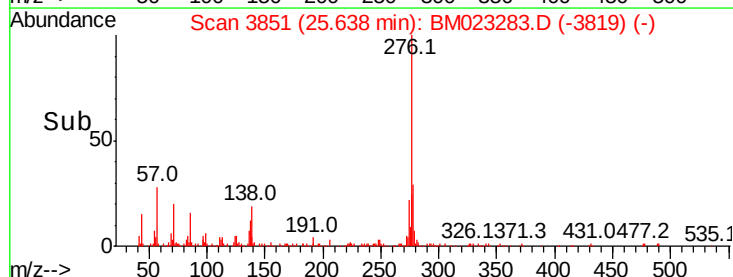
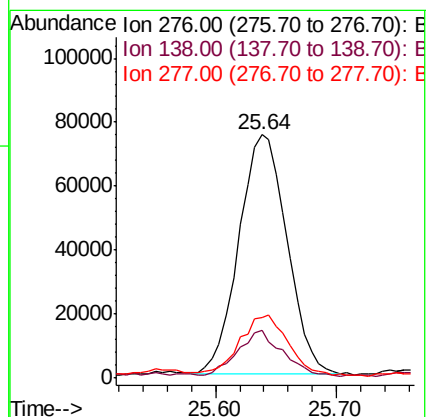
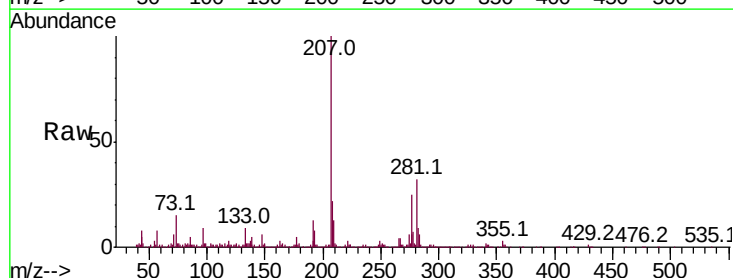
Delta R.T. -0.01 min

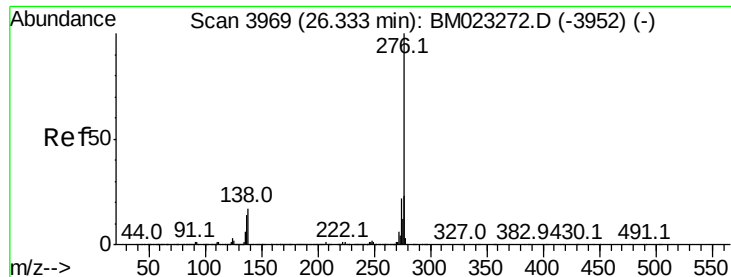
Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

Tgt Ion:276 Resp: 206952

Ion	Ratio	Lower	Upper
276	100		
138	19.6	14.9	22.3
277	24.9	19.8	29.8





#94

Benzo(a,h,i)perylene

Concen: 1.545 ng/ul

RT: 26.31 min Scan# 3965

Delta R.T. -0.01 min

Lab File: BM023283.D

Acq: 19 Oct 2019 12:07

Instrument :

BNA_M

ClientSampleId :

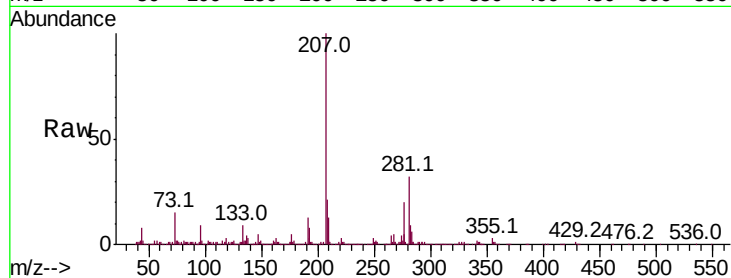
Tot Ion:276 Resp: 180036

Ion Ratio Lower Upper

276 100

138 17.0 14.4 21.6

277 23.9 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

