

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091622\
 Data File : BM036561.D
 Acq On : 16 Sep 2022 14:10
 Operator : CG/JU
 Sample : N4601-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A5753

Quant Time: Sep 16 22:59:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 16 02:39:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

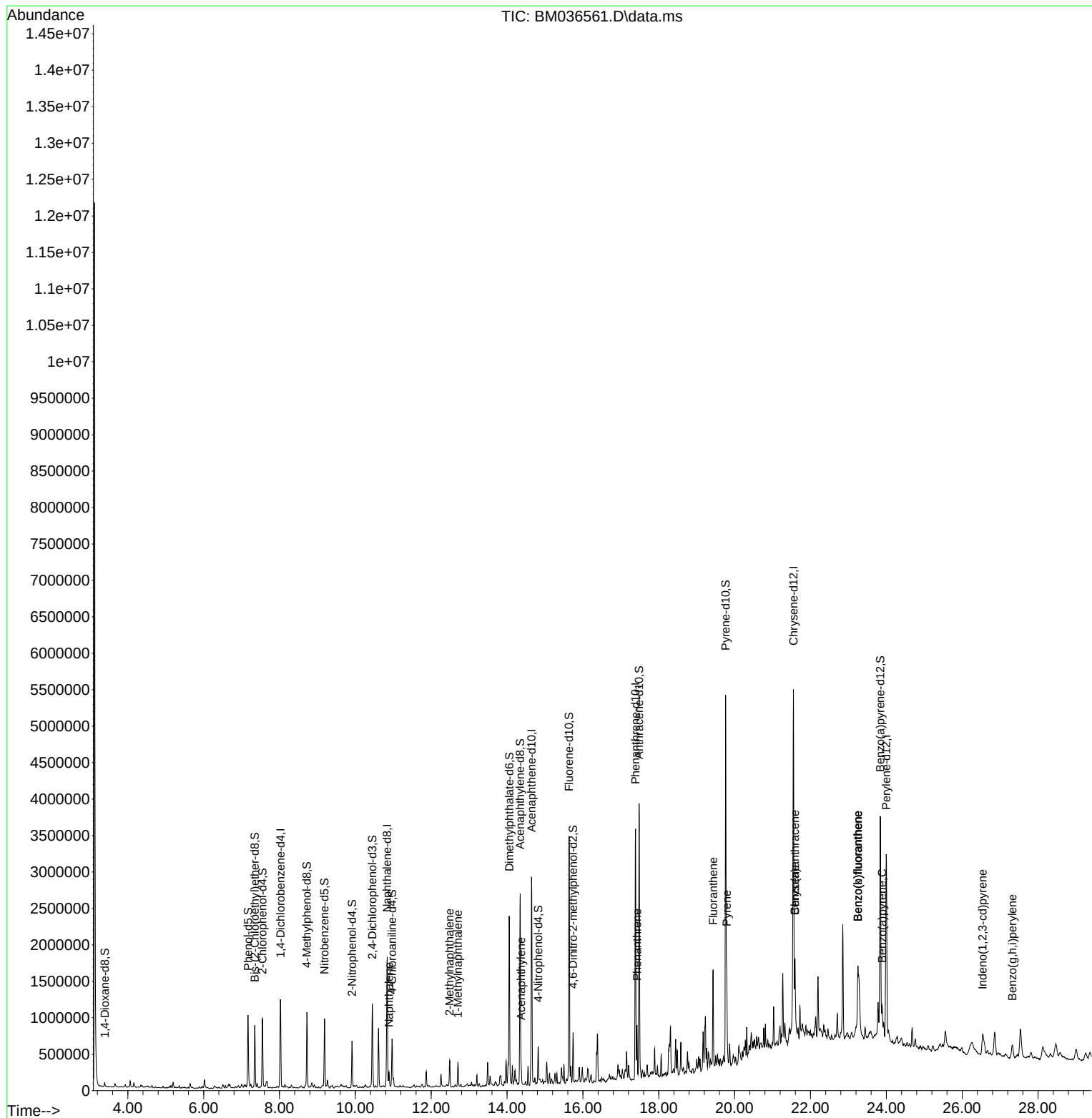
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	322088	20.000	ng/u1	0.00
20) Naphthalene-d8	10.839	136	1457584	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.645	164	954330	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	1993511	20.000	ng/u1	0.00
79) Chrysene-d12	21.550	240	1941338	20.000	ng/u1	0.00
88) Perylene-d12	23.997	264	1918214	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	30181	3.513	ng/uL	0.00
4) Pyridine-d5	3.816	84	592	0.024	ng/u1	0.00
7) Phenol-d5	7.169	99	525092	18.243	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.345	67	366594	20.972	ng/u1	0.00
11) 2-Chlorophenol-d4	7.551	132	435057	20.994	ng/u1	0.00
15) 4-Methylphenol-d8	8.722	113	369467	17.372	ng/u1	-0.01
21) Nitrobenzene-d5	9.186	128	211632	21.451	ng/u1	0.00
24) 2-Nitrophenol-d4	9.910	143	192979	21.838	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	405165	19.784	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.969	131	348493	10.235	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	1413374	21.959	ng/u1	0.00
49) Acenaphthylene-d8	14.345	160	1665621	21.816	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	110929	8.886	ng/u1	0.00
60) Fluorene-d10	15.633	176	1305327	22.630	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	108669	13.778	ng/u1	-0.01
73) Anthracene-d10	17.480	188	2024627	22.212	ng/u1	0.00
81) Pyrene-d10	19.762	212	2411405	25.249	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.838	264	2195757	23.430	ng/u1	0.00
Target Compounds						Qvalue
30) Naphthalene	10.886	128	158993	2.002	ng/u1	99
36) 2-Methylnaphthalene	12.486	142	166829	3.153	ng/u1	99
37) 1-Methylnaphthalene	12.704	142	155909	2.931	ng/u1	100
50) Acenaphthylene	14.368	152	99108	1.135	ng/u1#	96
72) Phenanthrene	17.427	178	443673	4.041	ng/u1	100
80) Fluoranthene	19.433	202	638789	5.458	ng/u1	98
82) Pyrene	19.792	202	591017	4.771	ng/u1	99
85) Benzo(a)anthracene	21.591	228	606143	4.983	ng/u1	94
87) Chrysene	21.591	228	606451	5.253	ng/u1	96
90) Benzo(b)fluoranthene	23.250	252	815709	6.706	ng/u1	98
91) Benzo(k)fluoranthene	23.250	252	815709	6.711	ng/u1	98
93) Benzo(a)pyrene	23.891	252	337915	3.160	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.538	276	260557	2.087	ng/u1	98
96) Benzo(g,h,i)perylene	27.320	276	212441	1.962	ng/u1	98

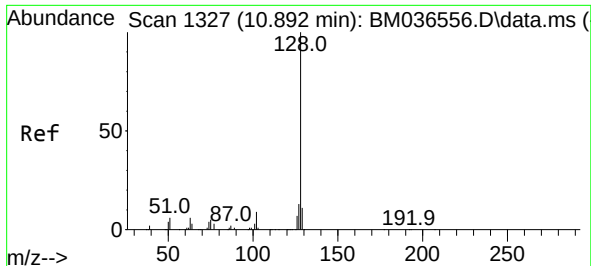
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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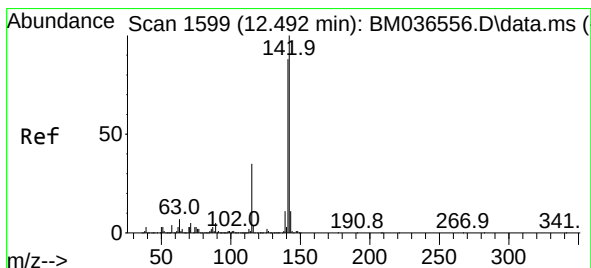
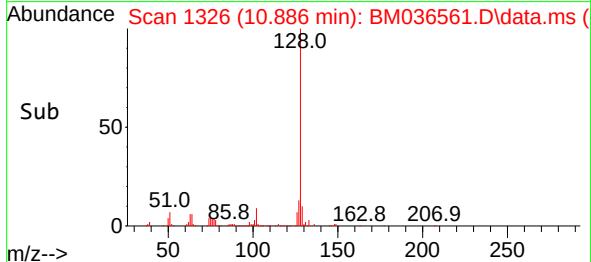
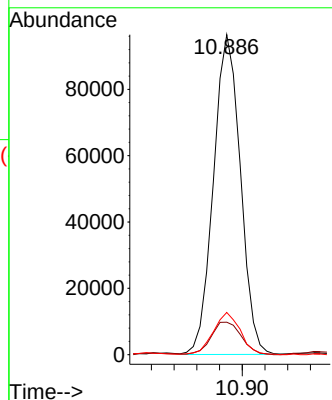
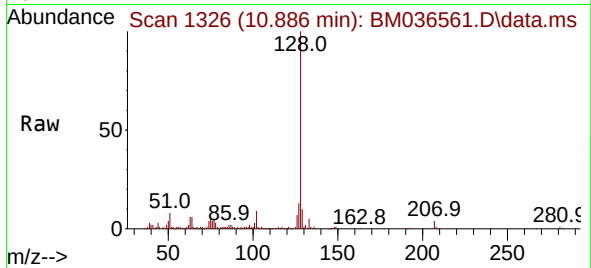




#30
Naphthalene
Concen: 2.002 ng/ul
RT: 10.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM036561.D
Acq: 16 Sep 2022 14:10

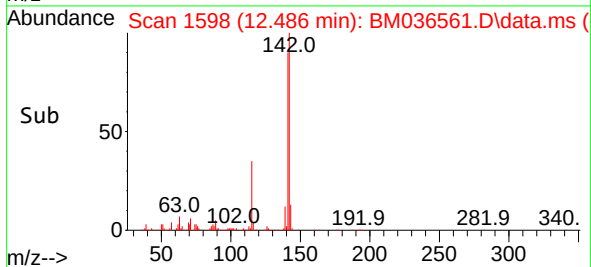
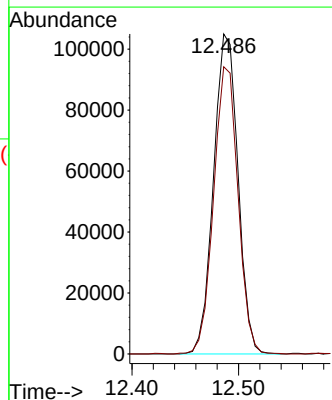
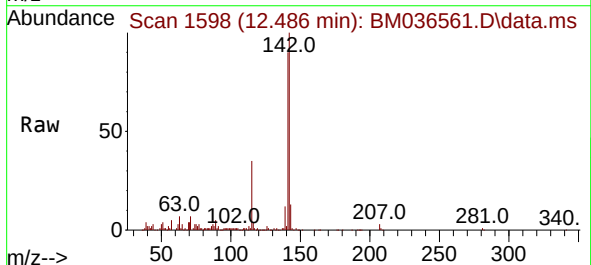
Instrument :
BNA_M
ClientSampleId :
A5753

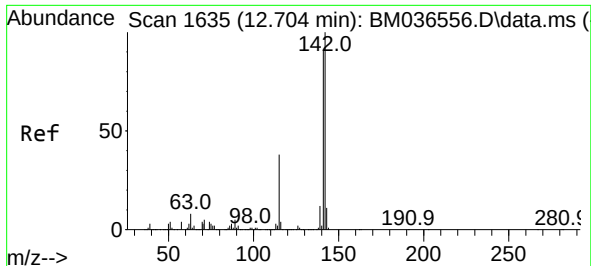
Tgt Ion:128 Resp: 158993
Ion Ratio Lower Upper
128 100
129 10.1 8.7 13.1
127 13.2 10.3 15.5



#36
2-Methylnaphthalene
Concen: 3.153 ng/ul
RT: 12.486 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BM036561.D
Acq: 16 Sep 2022 14:10

Tgt Ion:142 Resp: 166829
Ion Ratio Lower Upper
142 100
141 89.8 70.7 106.1





#37

1-Methylnaphthalene

Concen: 2.931 ng/ul

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM036561.D

Acq: 16 Sep 2022 14:10

Instrument :

BNA_M

ClientSampleId :

A5753

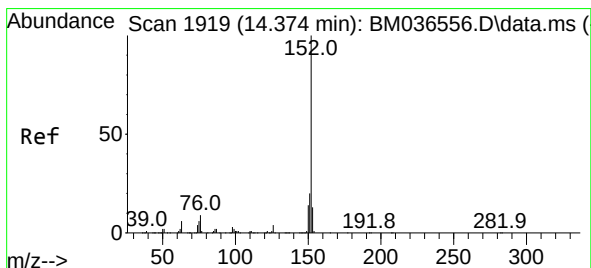
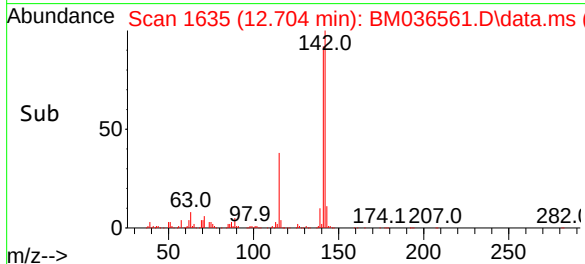
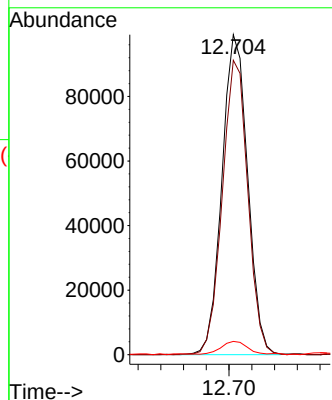
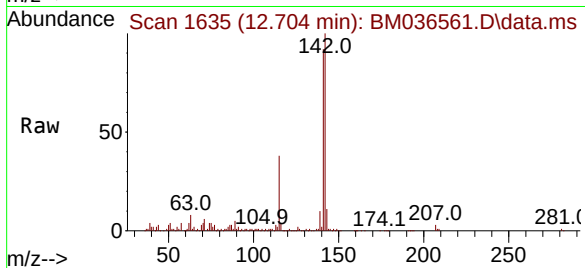
Tgt Ion:142 Resp: 155909

Ion Ratio Lower Upper

142 100

141 92.0 73.4 110.2

116 4.1 3.1 4.7



#50

Acenaphthylene

Concen: 1.135 ng/ul

RT: 14.368 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BM036561.D

Acq: 16 Sep 2022 14:10

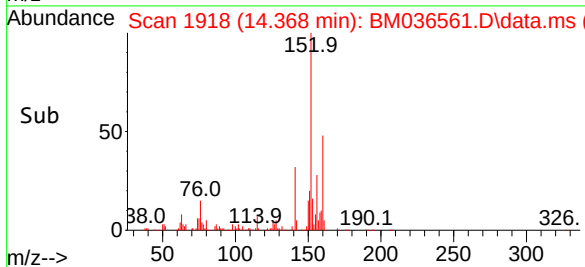
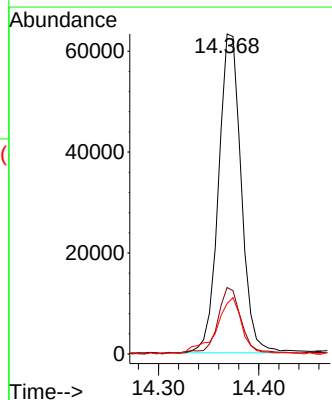
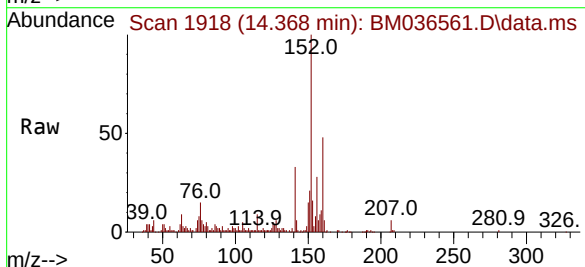
Tgt Ion:152 Resp: 99108

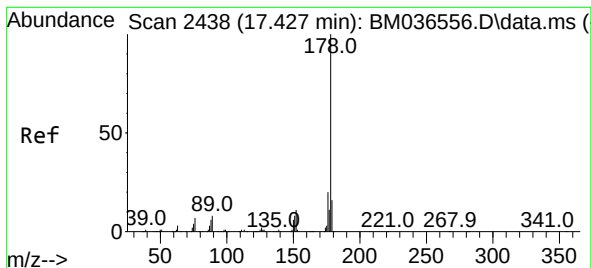
Ion Ratio Lower Upper

152 100

151 20.7 15.7 23.5

153 15.7 10.5 15.7#





#72

Phenanthrene

Concen: 4.041 ng/ul

RT: 17.427 min Scan# 2438

Delta R.T. -0.006 min

Lab File: BM036561.D

Acq: 16 Sep 2022 14:10

Instrument :

BNA_M

ClientSampleId :

A5753

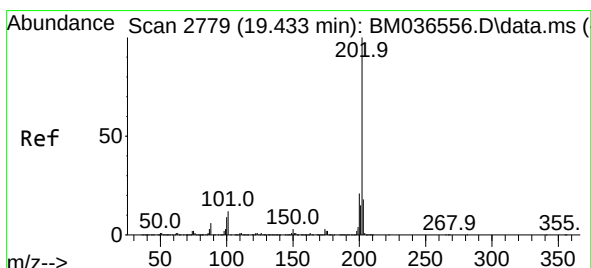
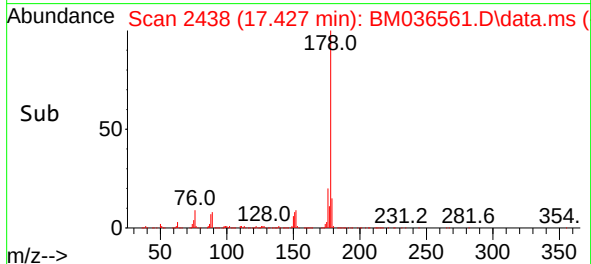
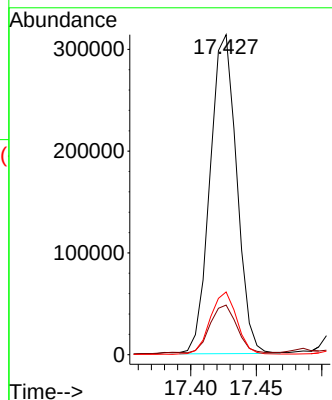
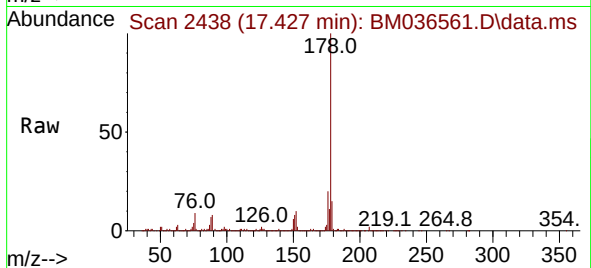
Tgt Ion:178 Resp: 443673

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

176 19.6 15.7 23.5



#80

Fluoranthene

Concen: 5.458 ng/ul

RT: 19.433 min Scan# 2779

Delta R.T. -0.000 min

Lab File: BM036561.D

Acq: 16 Sep 2022 14:10

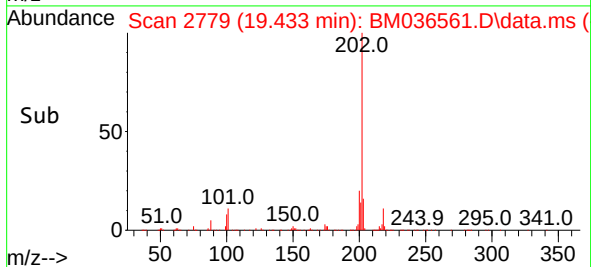
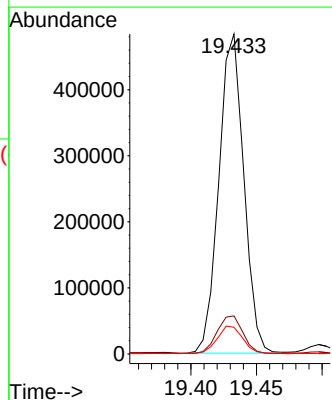
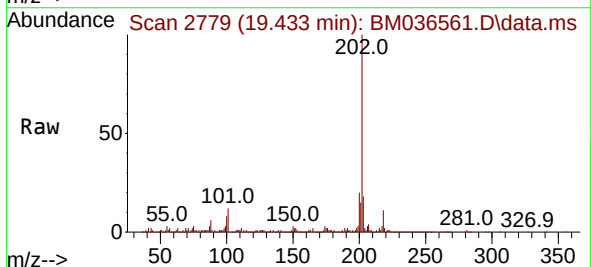
Tgt Ion:202 Resp: 638789

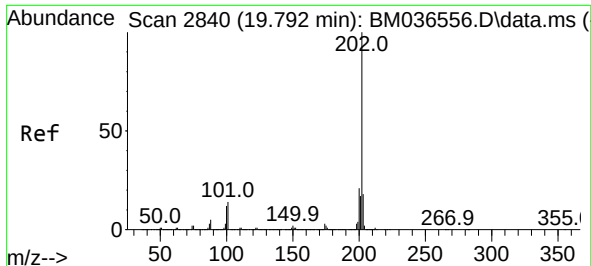
Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.6

100 8.4 7.4 11.2

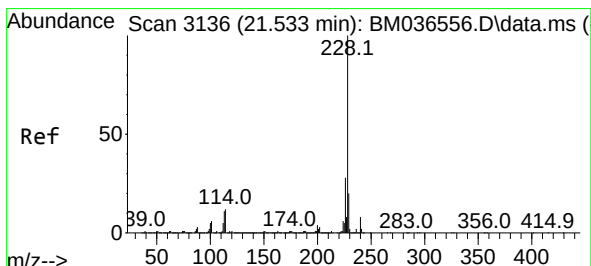
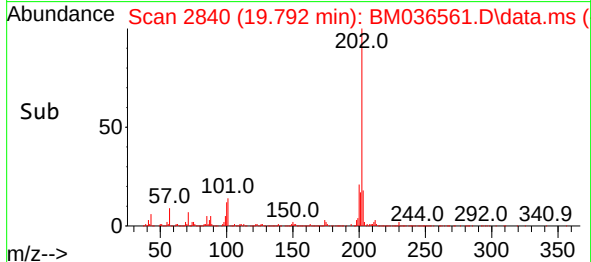
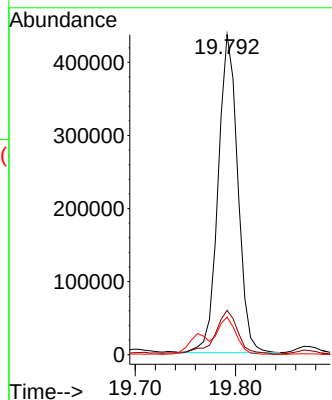
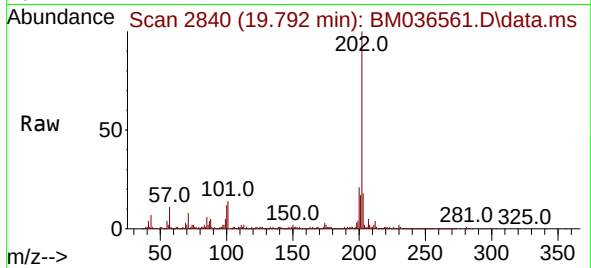




#82
 Pyrene
 Concen: 4.771 ng/ul
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM036561.D
 Acq: 16 Sep 2022 14:10

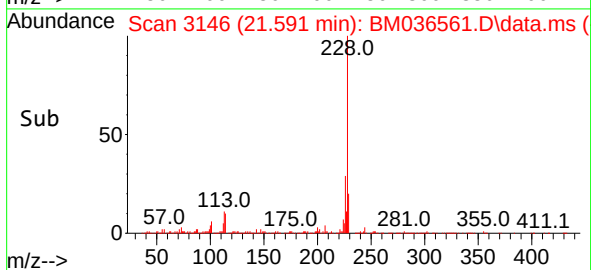
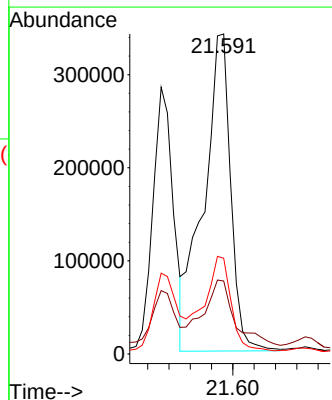
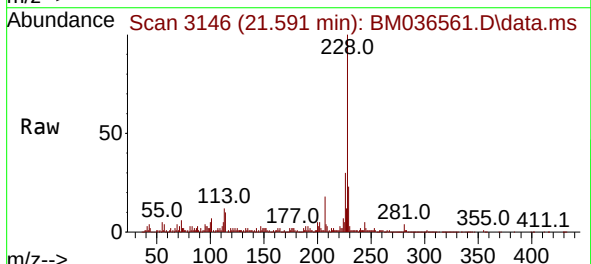
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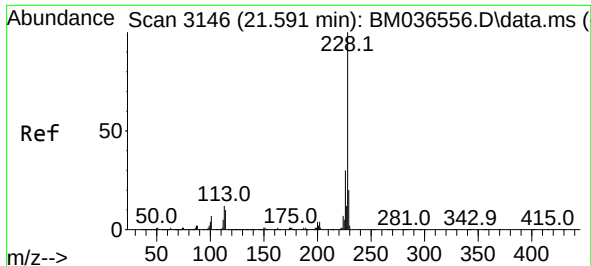
Tgt Ion:202 Resp: 591017
 Ion Ratio Lower Upper
 202 100
 101 13.8 10.9 16.3
 100 11.7 8.7 13.1



#85
 Benzo(a)anthracene
 Concen: 4.983 ng/ul
 RT: 21.591 min Scan# 3146
 Delta R.T. 0.053 min
 Lab File: BM036561.D
 Acq: 16 Sep 2022 14:10

Tgt Ion:228 Resp: 606143
 Ion Ratio Lower Upper
 228 100
 229 22.8 15.8 23.8
 226 29.9 21.9 32.9

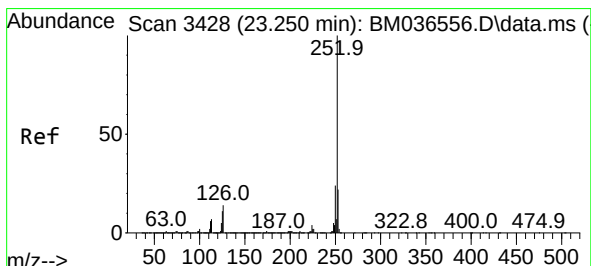
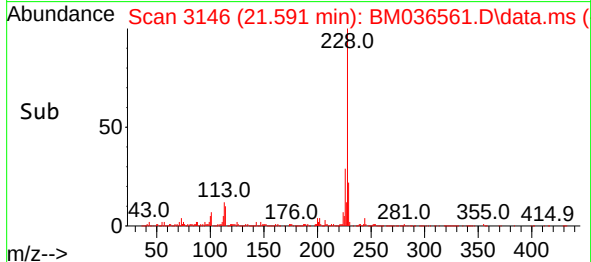
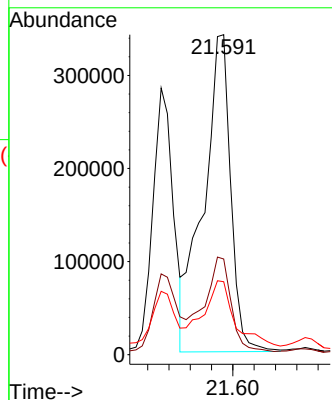
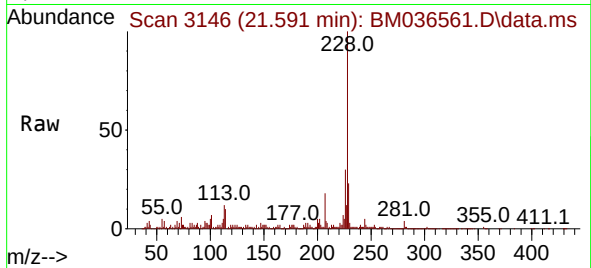




#87
Chrysene
Concen: 5.253 ng/ul
RT: 21.591 min Scan# 3146
Delta R.T. -0.000 min
Lab File: BM036561.D
Acq: 16 Sep 2022 14:10

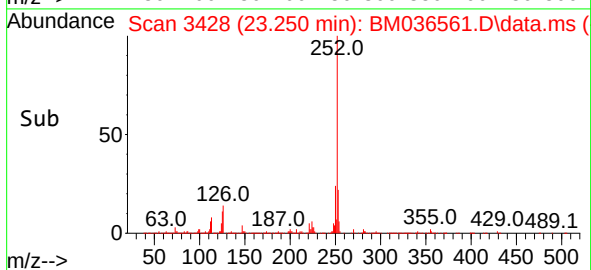
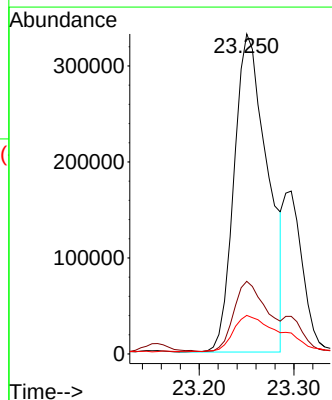
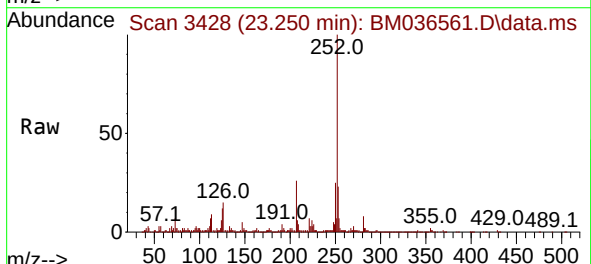
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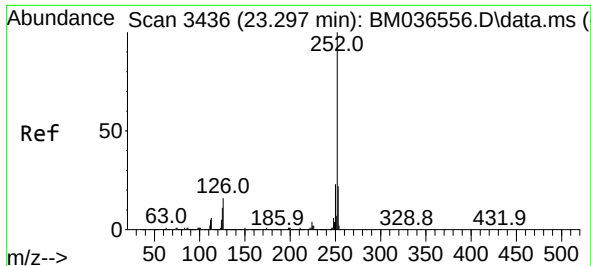
Tgt Ion:228 Resp: 606451
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 22.8 15.6 23.4



#90
Benzo(b)fluoranthene
Concen: 6.706 ng/ul
RT: 23.250 min Scan# 3428
Delta R.T. -0.000 min
Lab File: BM036561.D
Acq: 16 Sep 2022 14:10

Tgt Ion:252 Resp: 815709
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 12.0 9.1 13.7

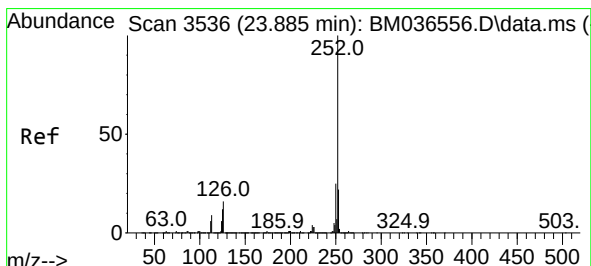
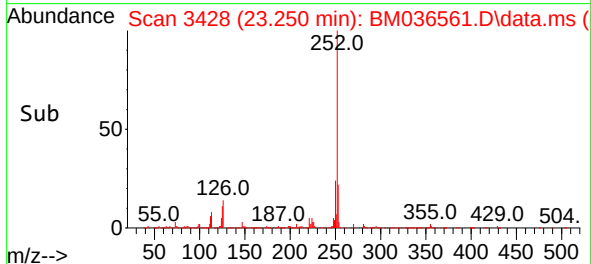
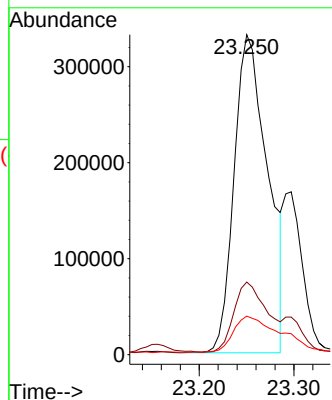
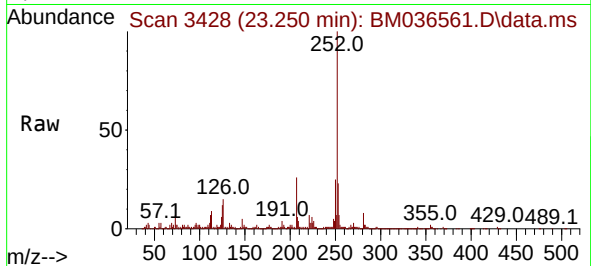




#91
Benzo(k)fluoranthene
Concen: 6.711 ng/ul
RT: 23.250 min Scan# 34
Delta R.T. -0.053 min
Lab File: BM036561.D
Acq: 16 Sep 2022 14:10

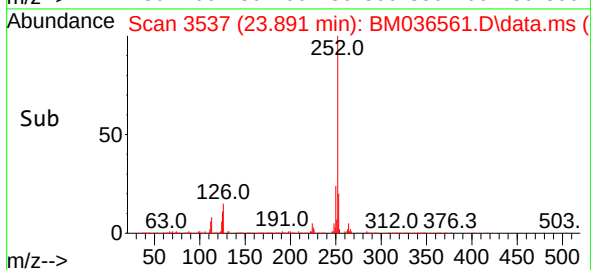
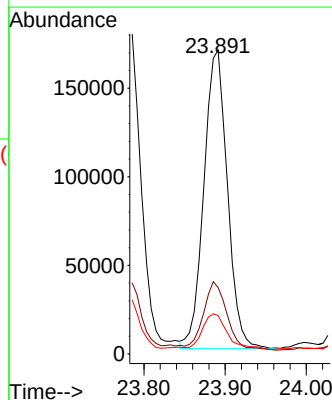
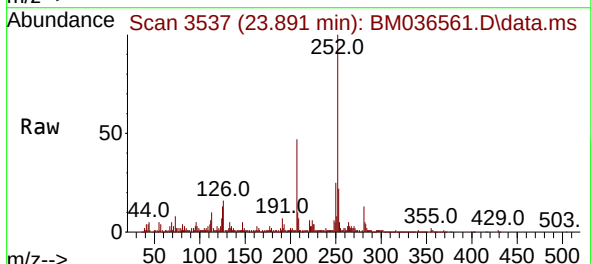
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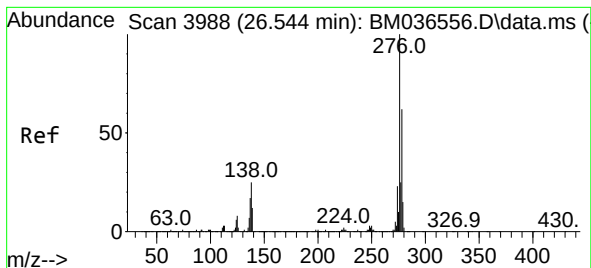
Tgt Ion:252 Resp: 815709
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 12.0 8.2 12.4



#93
Benzo(a)pyrene
Concen: 3.160 ng/ul
RT: 23.891 min Scan# 3537
Delta R.T. -0.000 min
Lab File: BM036561.D
Acq: 16 Sep 2022 14:10

Tgt Ion:252 Resp: 337915
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 12.6 9.5 14.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.087 ng/ul

RT: 26.538 min Scan# 3987

Delta R.T. -0.012 min

Lab File: BM036561.D

Acq: 16 Sep 2022 14:10

Instrument :

BNA_M

ClientSampleId :

A5753

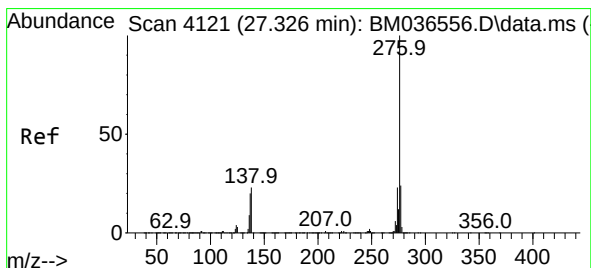
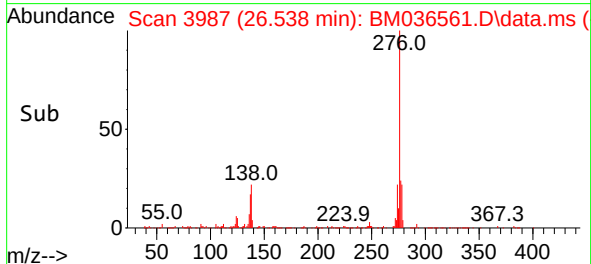
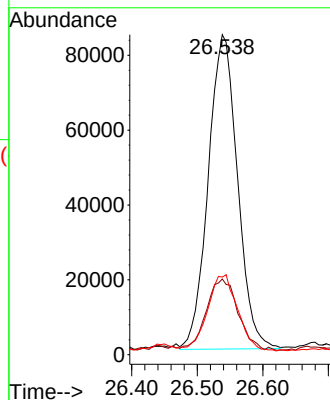
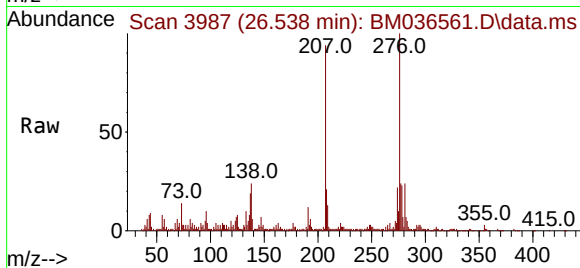
Tgt Ion:276 Resp: 260557

Ion Ratio Lower Upper

276 100

138 23.6 20.2 30.4

277 24.3 19.7 29.5



#96

Benzo(g,h,i)perylene

Concen: 1.962 ng/ul

RT: 27.320 min Scan# 4120

Delta R.T. -0.012 min

Lab File: BM036561.D

Acq: 16 Sep 2022 14:10

Tgt Ion:276 Resp: 212441

Ion Ratio Lower Upper

276 100

138 24.2 18.7 28.1

277 25.0 19.2 28.8

