

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
 Data File : BM036575.D
 Acq On : 19 Sep 2022 11:32
 Operator : CG/JU
 Sample : N4604-23
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A5784

Quant Time: Sep 19 12:06:13 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)

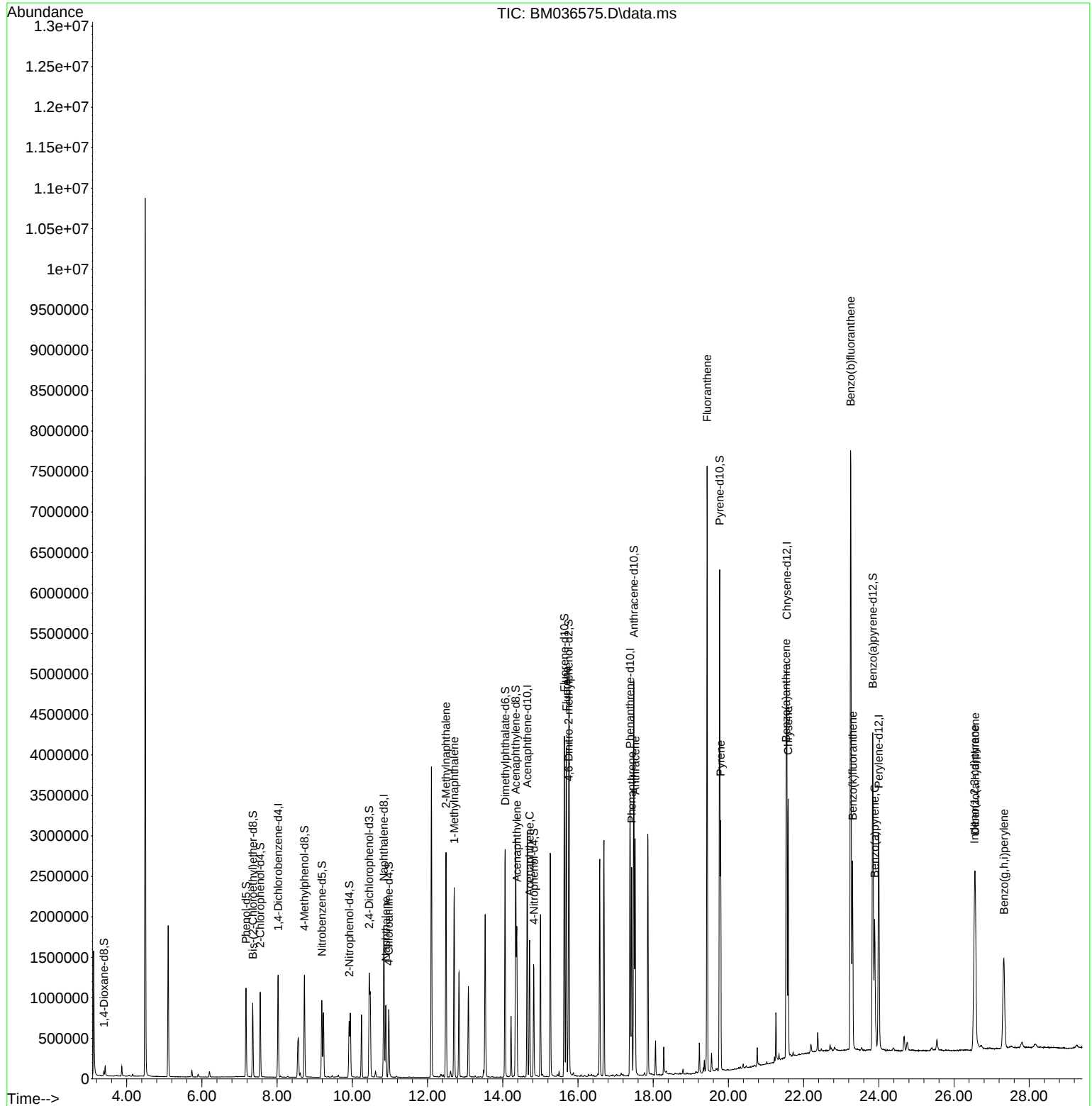
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	328777	20.000	ng/u1	0.00
20) Naphthalene-d8	10.839	136	1481738	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.651	164	964288	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	1965749	20.000	ng/u1	0.00
79) Chrysene-d12	21.550	240	1970403	20.000	ng/u1	0.00
88) Perylene-d12	23.997	264	1936238	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	28983	3.305	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.175	99	599545	20.406	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	377834	21.176	ng/u1	0.00
11) 2-Chlorophenol-d4	7.551	132	459190	21.708	ng/u1	0.00
15) 4-Methylphenol-d8	8.728	113	435202	20.046	ng/u1	0.00
21) Nitrobenzene-d5	9.192	128	219940	21.930	ng/u1	0.00
24) 2-Nitrophenol-d4	9.916	143	201011	22.376	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	444616	21.356	ng/u1	0.00
31) 4-Chloroaniline-d4	10.969	131	436522	12.611	ng/u1	0.00
46) Dimethylphthalate-d6	14.063	166	1737506	26.716	ng/u1	0.00
49) Acenaphthylene-d8	14.345	160	1858564	24.092	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	289168	22.924	ng/u1	0.00
60) Fluorene-d10	15.639	176	1519366	26.069	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.751	200	215358	27.690	ng/u1	0.00
73) Anthracene-d10	17.486	188	2545726	28.324	ng/u1	0.00
81) Pyrene-d10	19.768	212	3028392	31.241	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.838	264	2852418	30.154	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.892	128	731371	9.061	ng/u1	99
36) 2-Methylnaphthalene	12.492	142	1257072	23.374	ng/u1	100
37) 1-Methylnaphthalene	12.710	142	1034349	19.131	ng/u1	99
50) Acenaphthylene	14.374	152	1212578	13.748	ng/u1	100
52) Acenaphthene	14.716	153	679747	11.015	ng/u1	99
61) Fluorene	15.692	166	784384	11.112	ng/u1	98
72) Phenanthrene	17.427	178	1425146	13.162	ng/u1	99
74) Anthracene	17.521	178	1734519	15.760	ng/u1	100
80) Fluoranthene	19.433	202	4193613	35.304	ng/u1	99
82) Pyrene	19.792	202	1727267	13.737	ng/u1	98
85) Benzo(a)anthracene	21.533	228	1615341	13.084	ng/u1	100
87) Chrysene	21.592	228	1535644	13.105	ng/u1	100
90) Benzo(b)fluoranthene	23.250	252	5288024	43.068	ng/u1	100
91) Benzo(k)fluoranthene	23.303	252	1591828	12.975	ng/u1	99
93) Benzo(a)pyrene	23.891	252	1263962	11.710	ng/u1	100
94) Indeno(1,2,3-cd)pyrene	26.544	276	1742617	13.825	ng/u1	97
95) Dibenzo(a,h)anthracene	26.562	278	1766056	15.449	ng/u1	99
96) Benzo(g,h,i)perylene	27.326	276	1499554	13.723	ng/u1	99

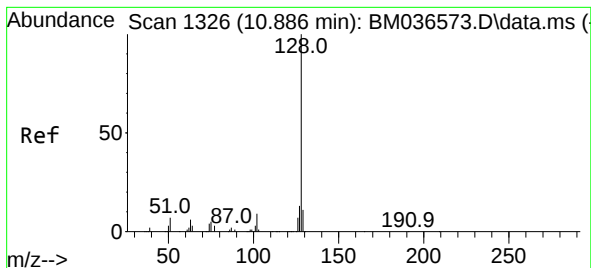
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#30

Naphthalene

Concen: 9.061 ng/ul

RT: 10.892 min Scan# 1326

Delta R.T. 0.000 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

Instrument :

BNA_M

ClientSampleId :

A5784

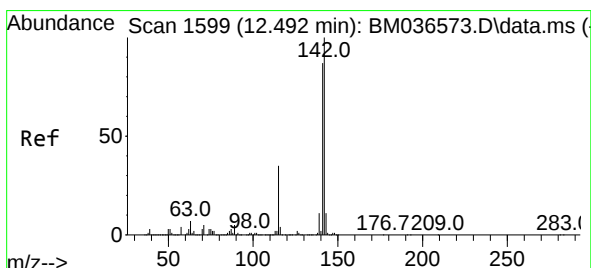
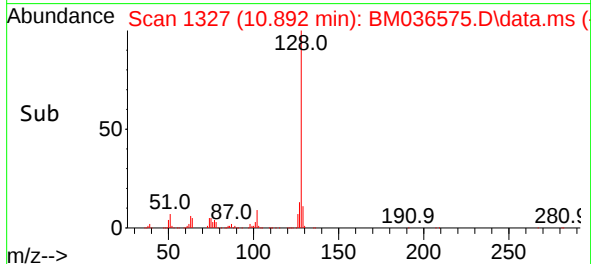
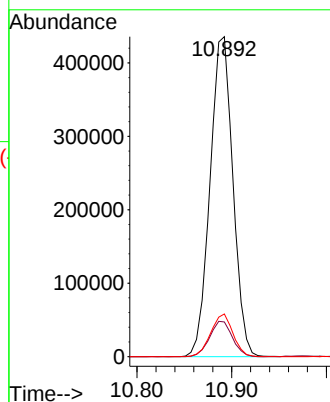
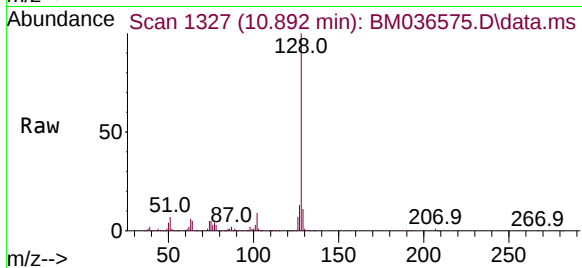
Tgt Ion:128 Resp: 731371

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.3 10.3 15.5



#36

2-Methylnaphthalene

Concen: 23.374 ng/ul

RT: 12.492 min Scan# 1599

Delta R.T. 0.000 min

Lab File: BM036575.D

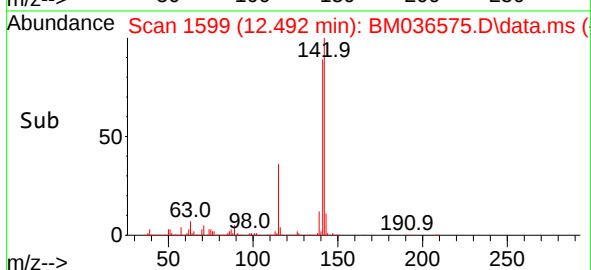
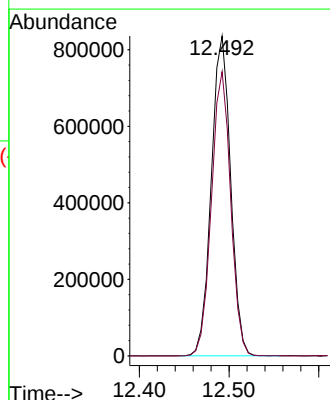
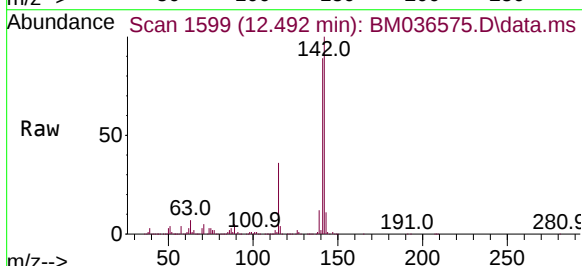
Acq: 19 Sep 2022 11:32

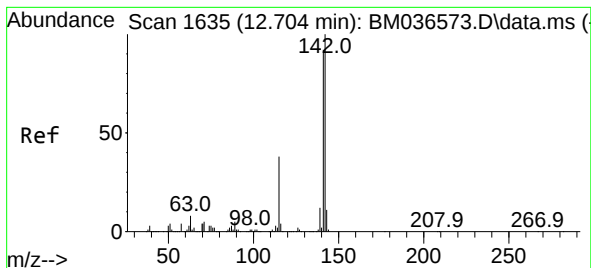
Tgt Ion:142 Resp: 1257072

Ion Ratio Lower Upper

142 100

141 88.8 70.7 106.1





#37

1-Methylnaphthalene

Concen: 19.131 ng/ul

RT: 12.710 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

Instrument :

BNA_M

ClientSampleId :

A5784

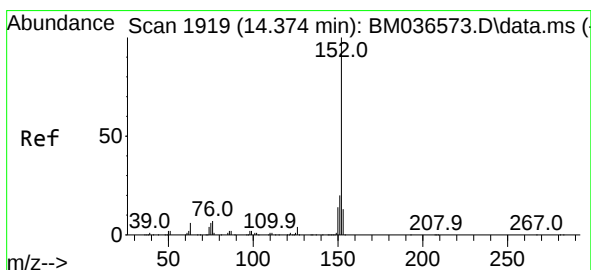
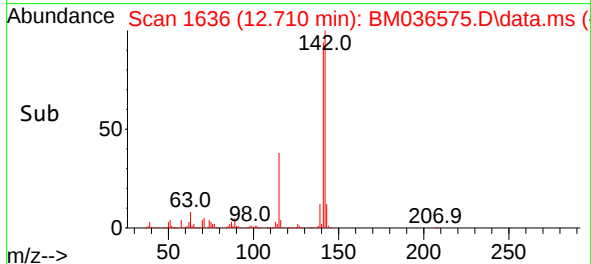
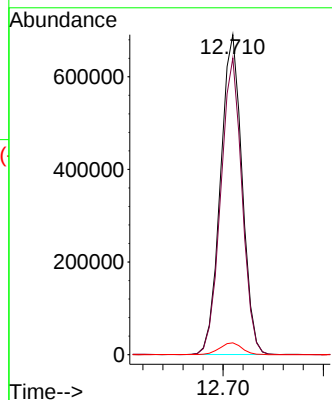
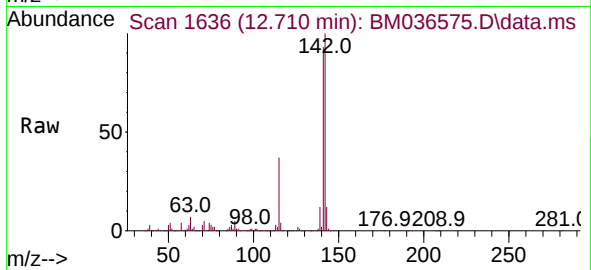
Tgt Ion:142 Resp: 1034349

Ion Ratio Lower Upper

142 100

141 92.7 73.4 110.2

116 3.7 3.1 4.7



#50

Acenaphthylene

Concen: 13.748 ng/ul

RT: 14.374 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

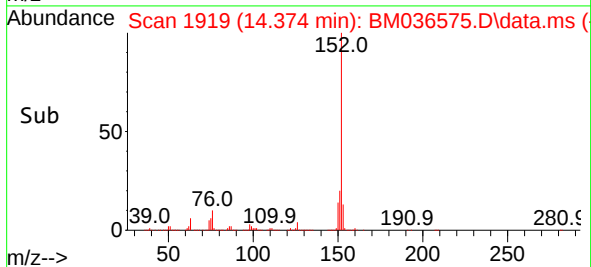
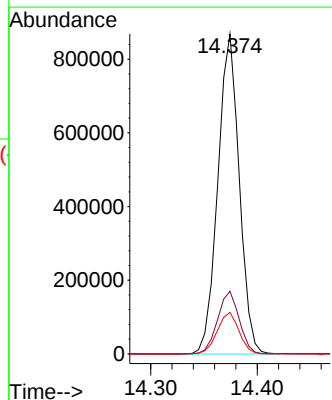
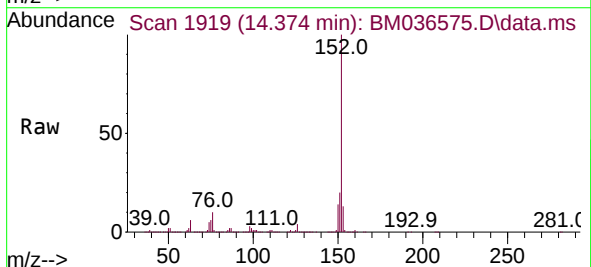
Tgt Ion:152 Resp: 1212578

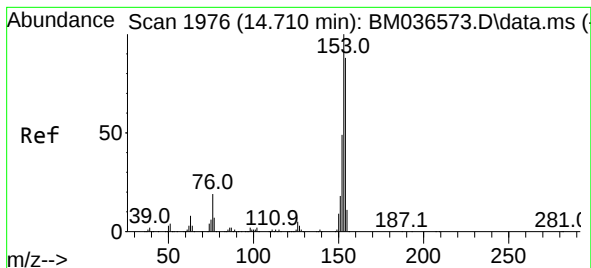
Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

153 13.0 10.5 15.7





#52

Acenaphthene

Concen: 11.015 ng/ul

RT: 14.716 min Scan# 1976

Delta R.T. 0.000 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

Instrument :

BNA_M

ClientSampleId :

A5784

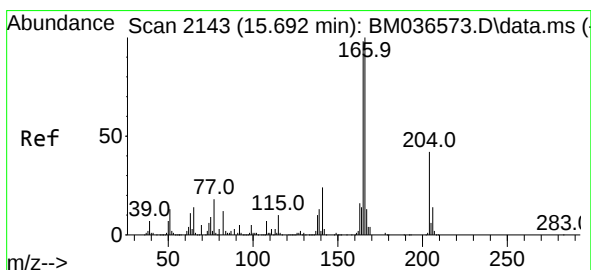
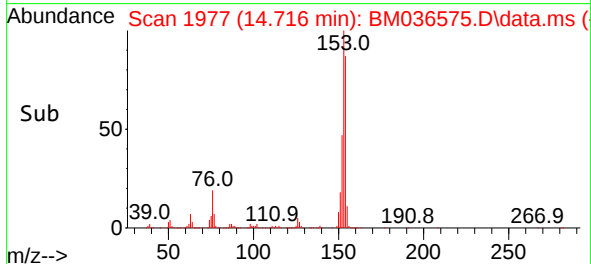
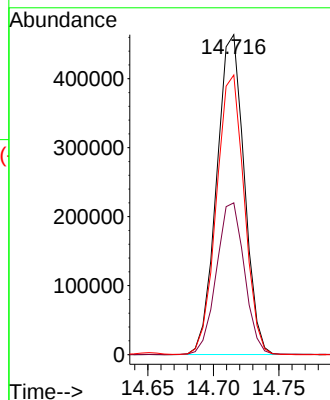
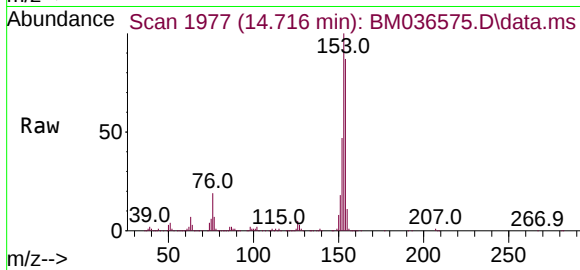
Tgt Ion:153 Resp: 679747

Ion Ratio Lower Upper

153 100

152 47.4 38.2 57.2

154 87.4 71.0 106.6



#61

Fluorene

Concen: 11.112 ng/ul

RT: 15.692 min Scan# 2143

Delta R.T. -0.006 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

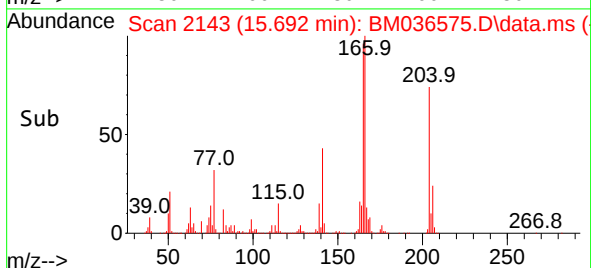
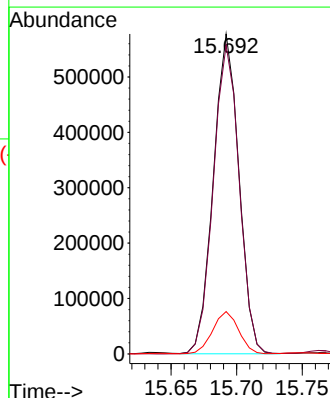
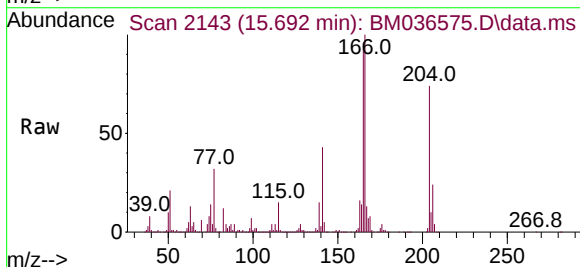
Tgt Ion:166 Resp: 784384

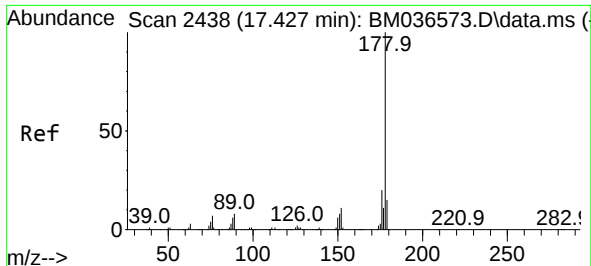
Ion Ratio Lower Upper

166 100

165 96.4 78.5 117.7

167 13.2 10.4 15.6

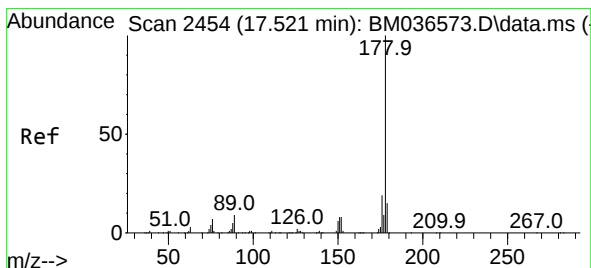
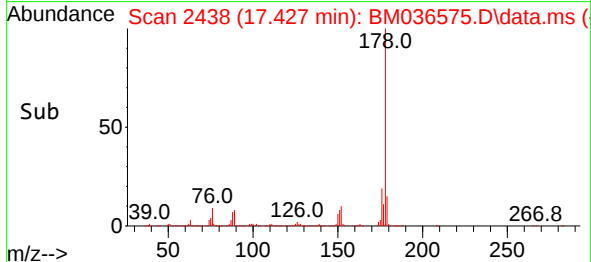
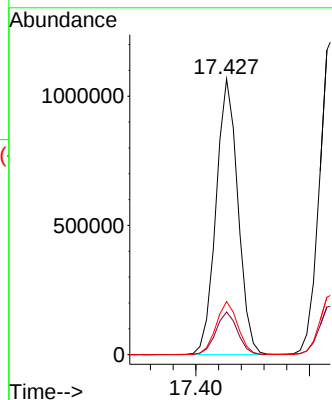
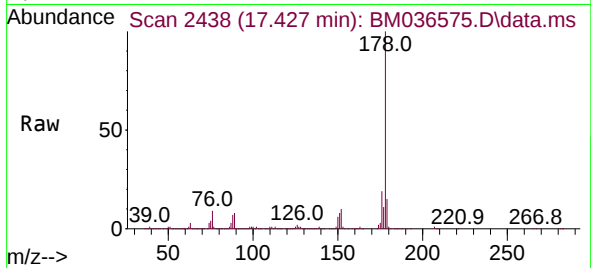




#72
Phenanthrene
Concen: 13.162 ng/ul
RT: 17.427 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BM036575.D
Acq: 19 Sep 2022 11:32

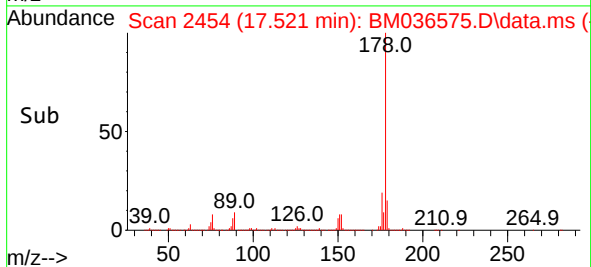
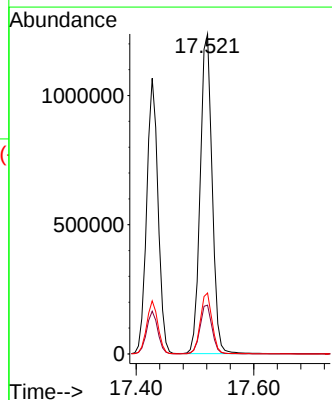
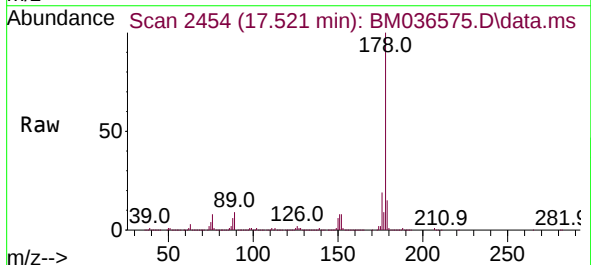
Instrument :
BNA_M
ClientSampleId :
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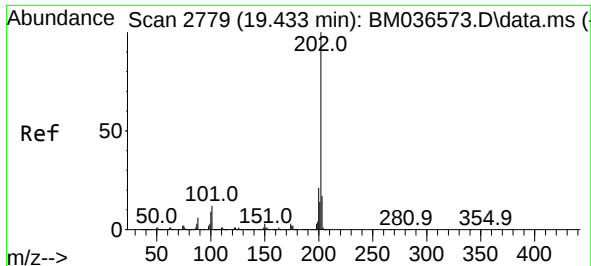
Tgt Ion:178 Resp: 1425146
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.2
176 19.2 15.7 23.5



#74
Anthracene
Concen: 15.760 ng/ul
RT: 17.521 min Scan# 2454
Delta R.T. 0.000 min
Lab File: BM036575.D
Acq: 19 Sep 2022 11:32

Tgt Ion:178 Resp: 1734519
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 19.0 15.0 22.6

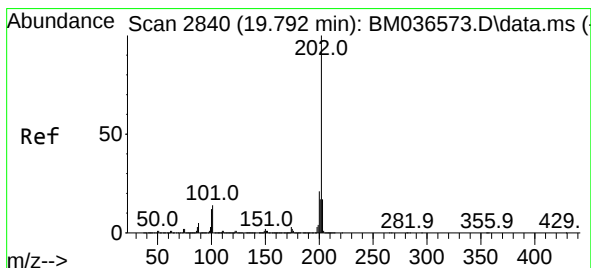
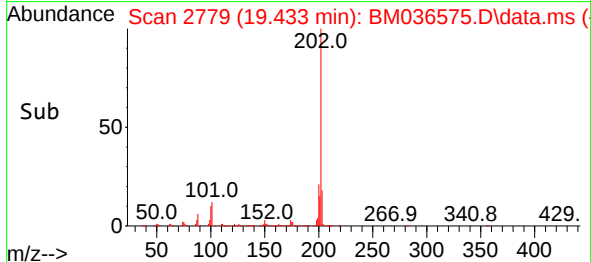
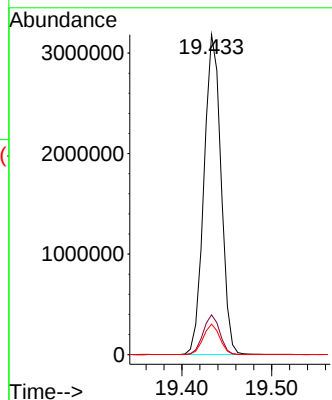
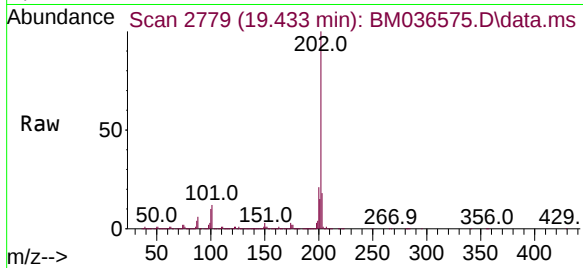




#80
 Fluoranthene
 Concen: 35.304 ng/ul
 RT: 19.433 min Scan# 2779
 Delta R.T. 0.000 min
 Lab File: BM036575.D
 Acq: 19 Sep 2022 11:32

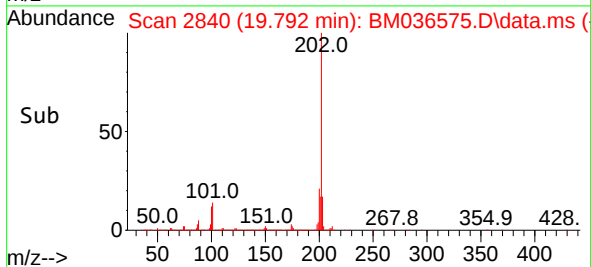
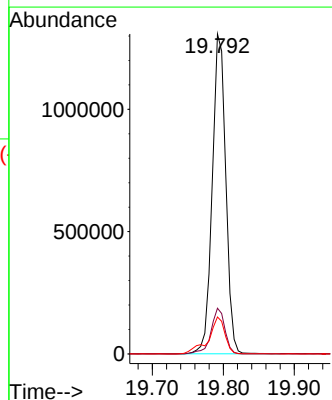
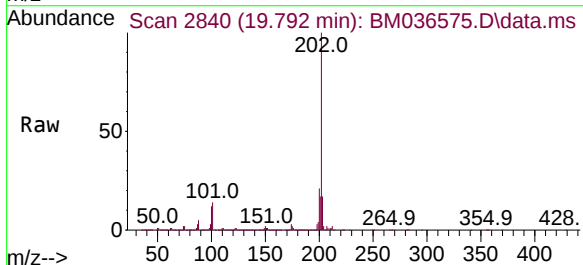
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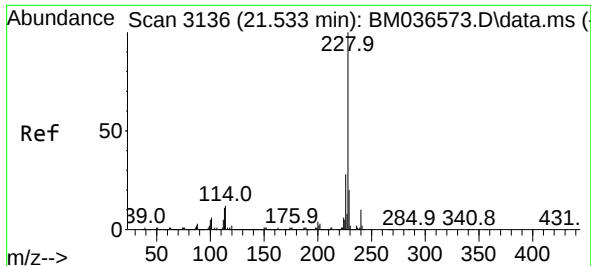
Tgt Ion:202 Resp: 4193613
 Ion Ratio Lower Upper
 202 100
 101 12.4 9.8 14.6
 100 9.5 7.4 11.2



#82
 Pyrene
 Concen: 13.737 ng/ul
 RT: 19.792 min Scan# 2840
 Delta R.T. -0.006 min
 Lab File: BM036575.D
 Acq: 19 Sep 2022 11:32

Tgt Ion:202 Resp: 1727267
 Ion Ratio Lower Upper
 202 100
 101 14.3 10.9 16.3
 100 11.5 8.7 13.1

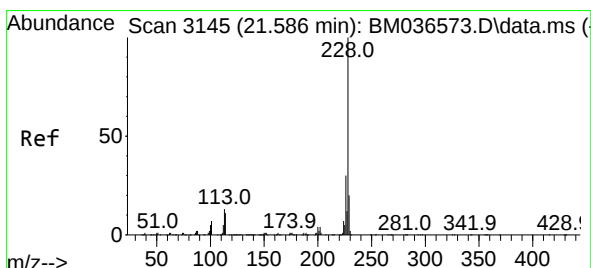
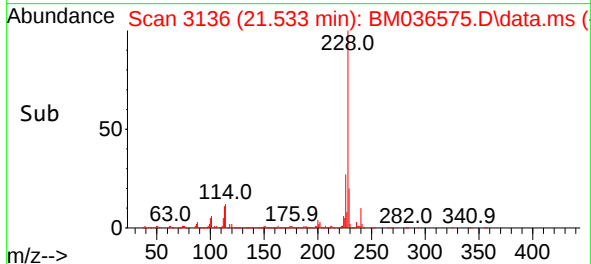
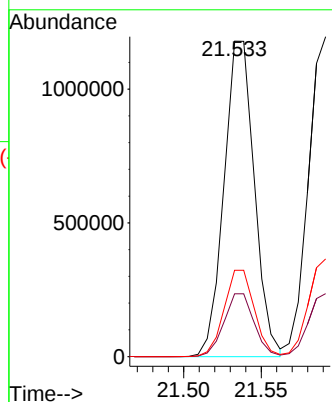
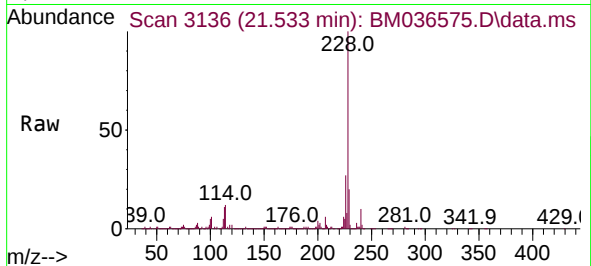




#85
Benzo(a)anthracene
Concen: 13.084 ng/ul
RT: 21.533 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BM036575.D
Acq: 19 Sep 2022 11:32

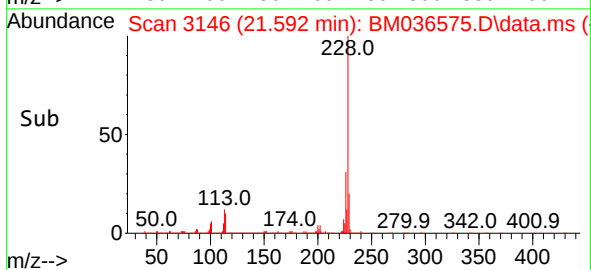
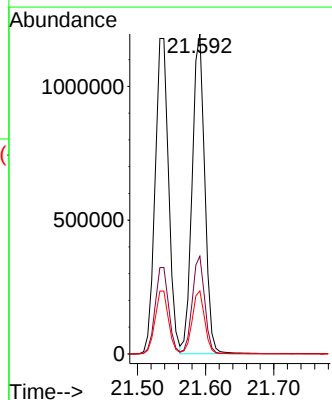
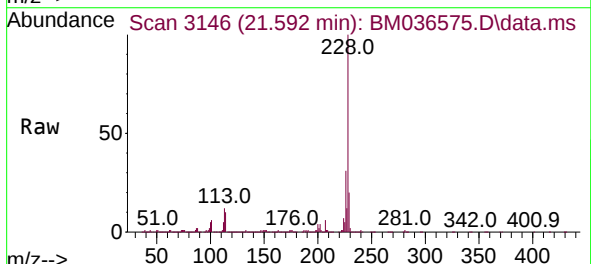
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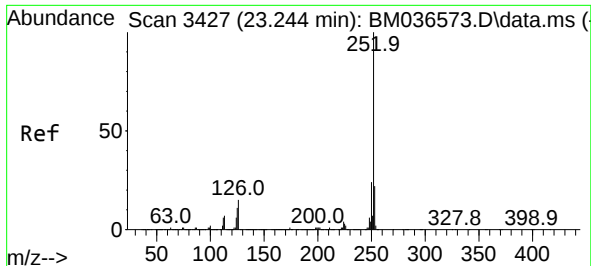
Tgt Ion:228 Resp: 1615341
Ion Ratio Lower Upper
228 100
229 19.9 15.8 23.8
226 27.4 21.9 32.9



#87
Chrysene
Concen: 13.105 ng/ul
RT: 21.592 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BM036575.D
Acq: 19 Sep 2022 11:32

Tgt Ion:228 Resp: 1535644
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 19.7 15.6 23.4

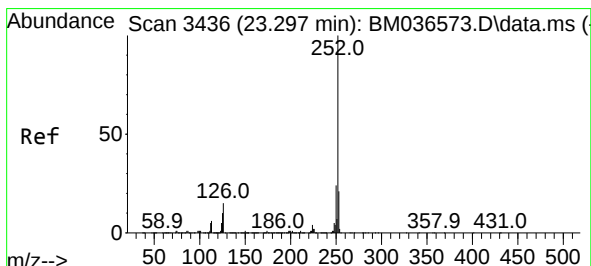
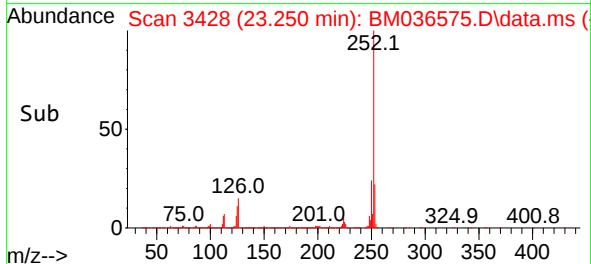
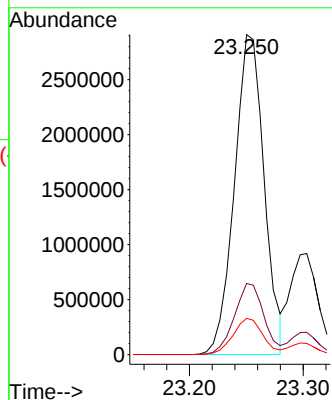
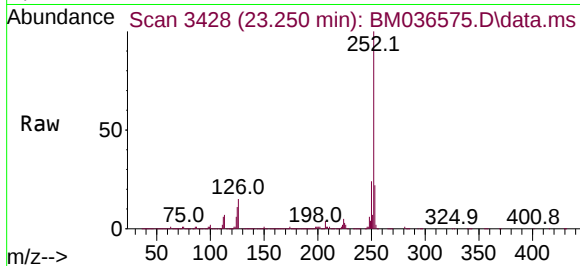




#90
Benzo(b)fluoranthene
Concen: 43.068 ng/ul
RT: 23.250 min Scan# 3427
Delta R.T. 0.000 min
Lab File: BM036575.D
Acq: 19 Sep 2022 11:32

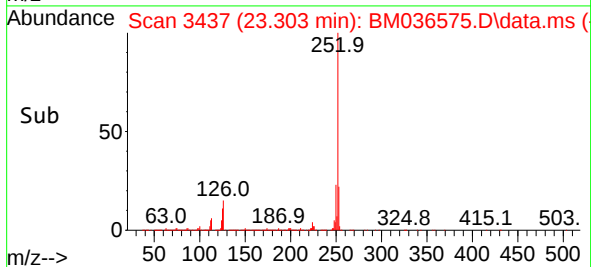
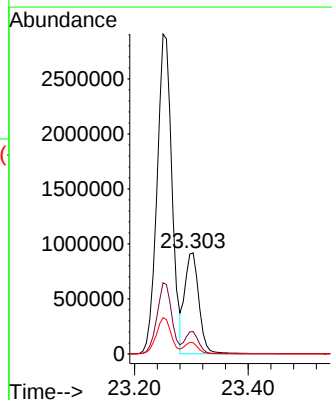
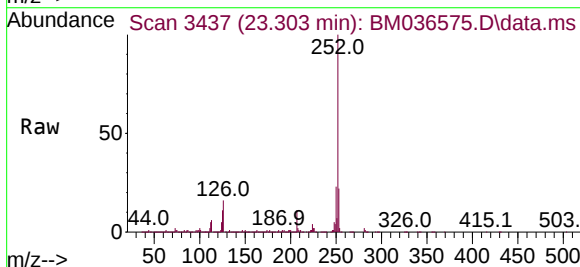
Instrument :
BNA_M
ClientSampleId :
A5784

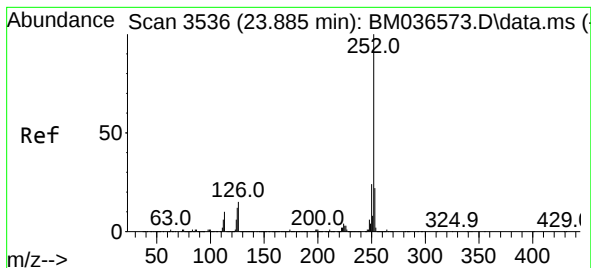
Tgt Ion:252 Resp: 5288024
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 11.3 9.1 13.7



#91
Benzo(k)fluoranthene
Concen: 12.975 ng/ul
RT: 23.303 min Scan# 3437
Delta R.T. 0.000 min
Lab File: BM036575.D
Acq: 19 Sep 2022 11:32

Tgt Ion:252 Resp: 1591828
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 11.0 8.2 12.4





#93

Benzo(a)pyrene

Concen: 11.710 ng/ul

RT: 23.891 min Scan# 3537

Delta R.T. 0.000 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

Instrument :

BNA_M

ClientSampleId :

A5784

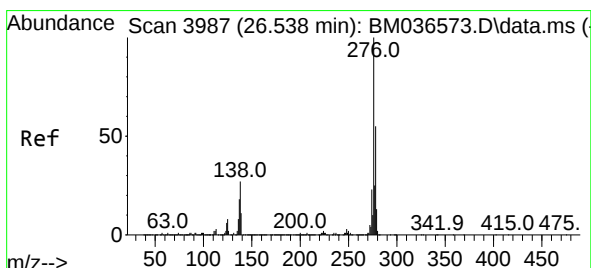
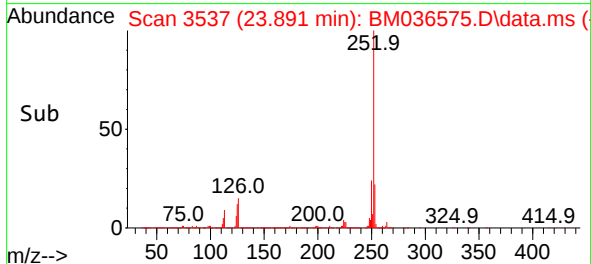
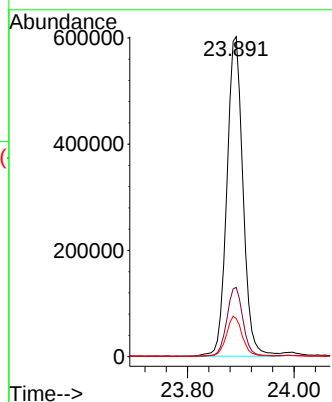
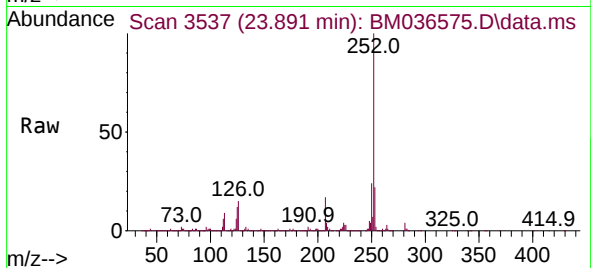
Tgt Ion:252 Resp: 1263962

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 11.9 9.5 14.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 13.825 ng/ul

RT: 26.544 min Scan# 3988

Delta R.T. -0.006 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

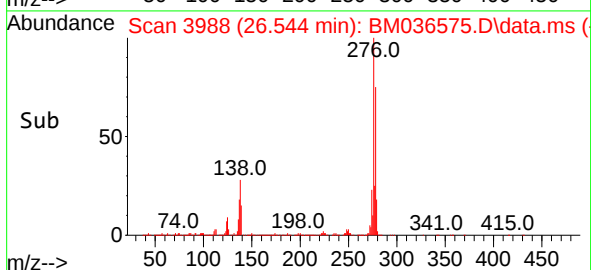
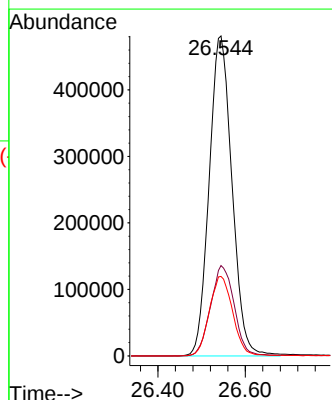
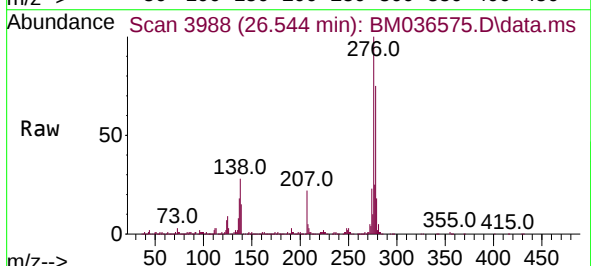
Tgt Ion:276 Resp: 1742617

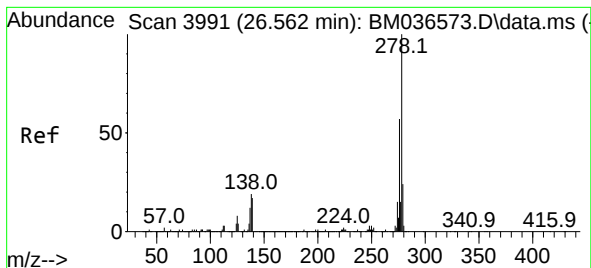
Ion Ratio Lower Upper

276 100

138 28.2 20.2 30.4

277 24.8 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 15.449 ng/ul

RT: 26.562 min Scan# 3991

Delta R.T. -0.012 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

Instrument :

BNA_M

ClientSampleId :

A5784

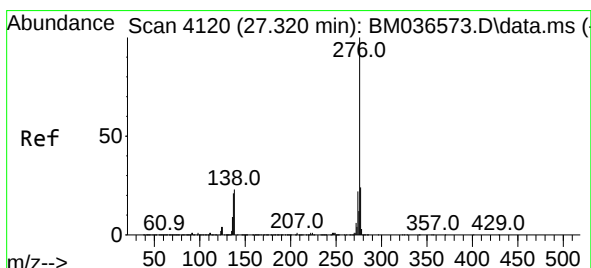
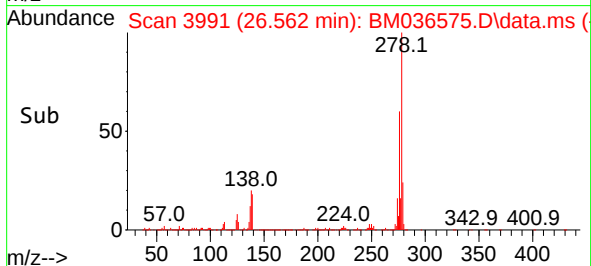
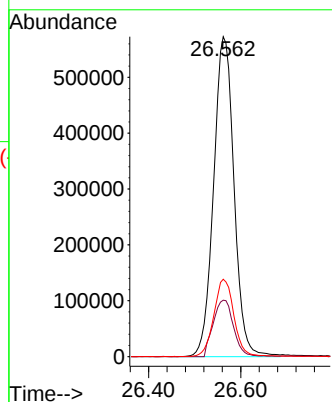
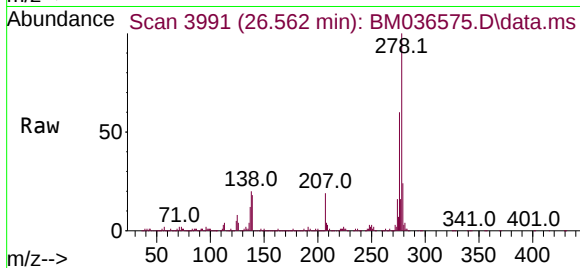
Tgt Ion:278 Resp: 1766056

Ion Ratio Lower Upper

278 100

139 17.6 14.5 21.7

279 24.2 19.7 29.5



#96

Benzo(g,h,i)perylene

Concen: 13.723 ng/ul

RT: 27.326 min Scan# 4121

Delta R.T. -0.006 min

Lab File: BM036575.D

Acq: 19 Sep 2022 11:32

Tgt Ion:276 Resp: 1499554

Ion Ratio Lower Upper

276 100

138 23.6 18.7 28.1

277 23.5 19.2 28.8

