

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080524\
 Data File : BM046997.D
 Acq On : 05 Aug 2024 18:30
 Operator : RC/JU
 Sample : P3329-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7E08

Quant Time: Aug 06 01:20:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 03 02:51:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.398	152	220025	20.000	ng/ul	0.00
20) Naphthalene-d8	10.157	136	883183	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.057	164	598407	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.815	188	1297228	20.000	ng/ul	0.00
79) Chrysene-d12	21.050	240	1176086	20.000	ng/ul	0.00
88) Perylene-d12	23.762	264	1314656	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.022	96	10206	1.838	ng/uL	0.00
4) Pyridine-d5	3.416	84	160620	10.603	ng/ul	0.00
7) Phenol-d5	6.604	99	263273	15.752	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.757	67	168007	15.277	ng/ul	0.00
11) 2-Chlorophenol-d4	6.939	132	208781	14.746	ng/ul	0.00
15) 4-Methylphenol-d8	8.116	113	219977	16.614	ng/ul	0.00
21) Nitrobenzene-d5	8.545	128	104244	14.709	ng/ul	0.00
24) 2-Nitrophenol-d4	9.257	143	119453	15.434	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.792	165	228336	15.367	ng/ul	0.00
31) 4-Chloroaniline-d4	10.304	131	274958	14.080	ng/ul	0.00
46) Dimethylphthalate-d6	13.480	166	746458	16.314	ng/ul	0.00
49) Acenaphthylene-d8	13.745	160	837154	16.391	ng/ul	0.00
54) 4-Nitrophenol-d4	14.298	143	129143	14.598	ng/ul	0.00
60) Fluorene-d10	15.062	176	637341	16.283	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.198	200	89781	10.955	ng/ul	0.00
73) Anthracene-d10	16.915	188	983869	15.999	ng/ul	0.00
81) Pyrene-d10	19.227	212	1159183	17.218	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.580	264	1170233	16.905	ng/ul	0.00
Target Compounds					Qvalue	
8) Phenol	6.628	94	573098	34.047	ng/ul	95
13) 2-Methylphenol	7.857	108	238713	18.617	ng/ul	98
18) 4-Methylphenol	8.186	108	720910	52.036	ng/ul	96
26) 2,4-Dimethylphenol	9.369	107	267758	16.045	ng/ul	98
30) Naphthalene	10.216	128	7230809	154.633	ng/ul	100
32) 4-Chloroaniline	10.216	127	944920	49.826	ng/ul#	9
36) 2-Methylnaphthalene	11.833	142	1324531	40.566	ng/ul	99
37) 1-Methylnaphthalene	12.057	142	604127	18.277	ng/ul	99
43) 1,1'-Biphenyl	12.874	154	337549	7.540	ng/ul	98
52) Acenaphthene	14.121	153	925305	23.795	ng/ul	99
56) Dibenzofuran	14.462	168	1171451	21.465	ng/ul	95
61) Fluorene	15.115	166	1149468	25.536	ng/ul	99
63) 4-Nitroaniline	15.115	138	13244	1.474	ng/ul#	8
72) Phenanthrene	16.862	178	4786839	65.828	ng/ul	100
74) Anthracene	16.951	178	3295182	44.934	ng/ul	99
77) Carbazole	17.233	167	1423254	20.935	ng/ul	99
80) Fluoranthene	18.892	202	2842505	35.328	ng/ul	100
82) Pyrene	19.256	202	1924068	22.442	ng/ul	99
85) Benzo(a)anthracene	21.033	228	617124	7.185	ng/ul	99
87) Chrysene	21.091	228	661141	8.070	ng/ul	99
90) Benzo(b)fluoranthene	22.915	252	314283	3.865	ng/ul	97
91) Benzo(k)fluoranthene	22.968	252	120795	1.503	ng/ul#	97
93) Benzo(a)pyrene	23.632	252	190739	2.518	ng/ul	98

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QLast Update : Sat Aug 03 02:51:11 2024
Response via : Initial Calibration

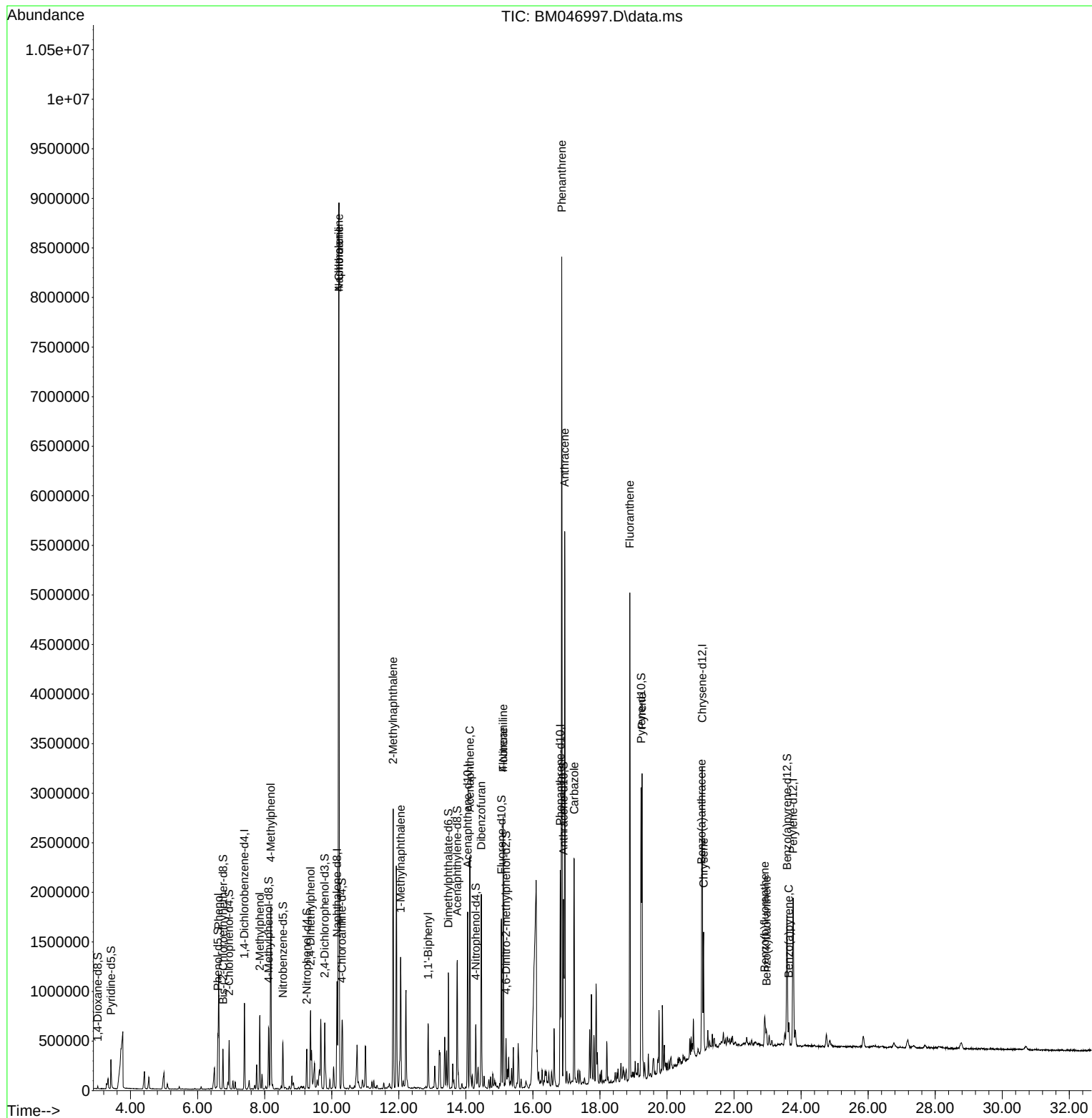
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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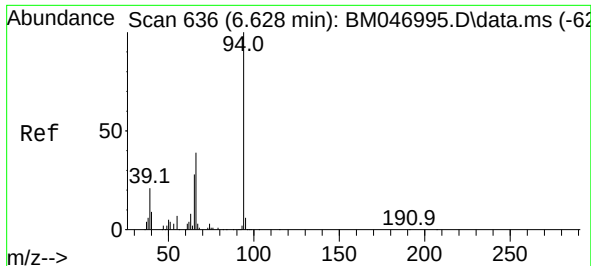
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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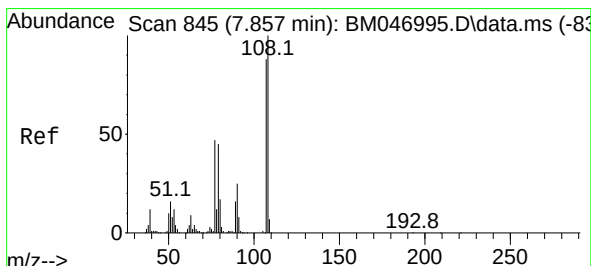
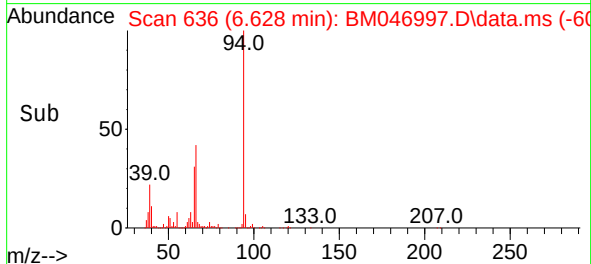
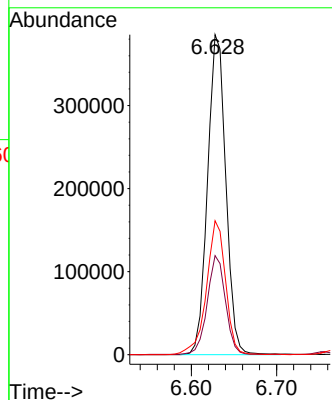
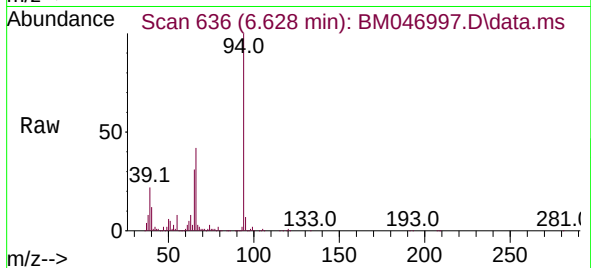




#8
Phenol
Concen: 34.047 ng/ul
RT: 6.628 min Scan# 636
Delta R.T. -0.006 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

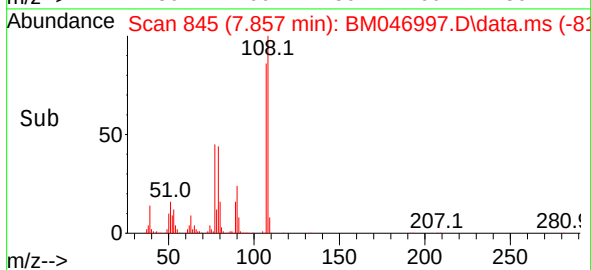
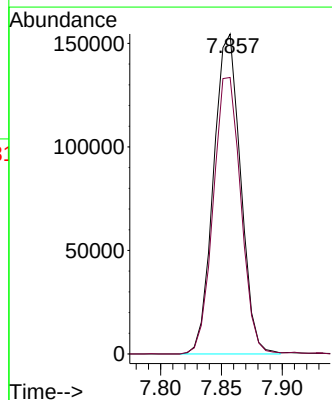
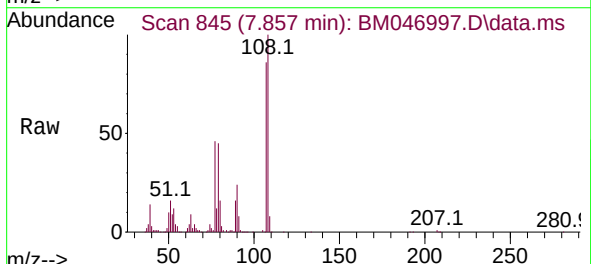
Instrument :
BNA_M
ClientSampleId :
F7E08

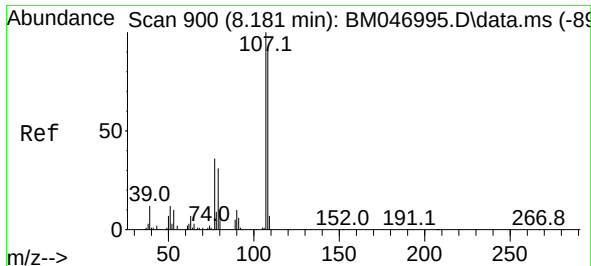
Tgt Ion: 94 Resp: 573098
Ion Ratio Lower Upper
94 100
65 30.9 25.1 37.7
66 41.8 37.7 56.5



#13
2-Methylphenol
Concen: 18.617 ng/ul
RT: 7.857 min Scan# 845
Delta R.T. -0.000 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

Tgt Ion:108 Resp: 238713
Ion Ratio Lower Upper
108 100
107 86.4 67.4 101.0

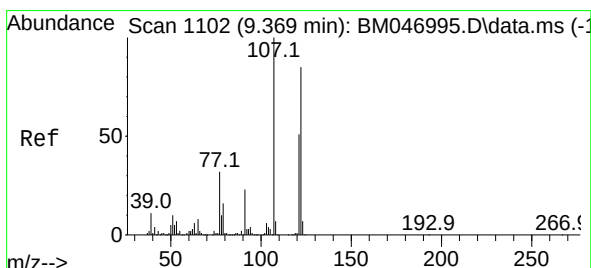
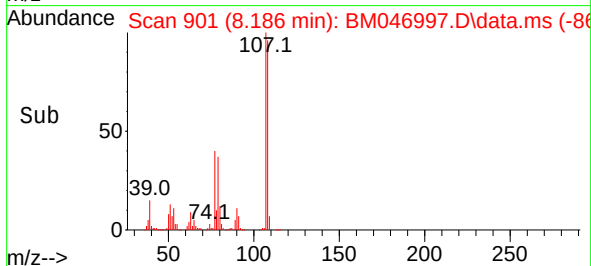
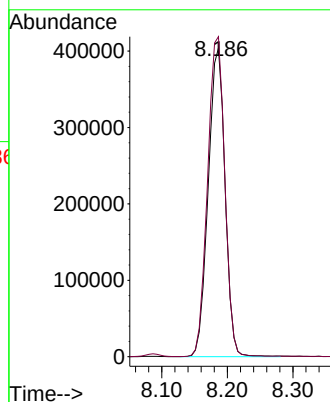
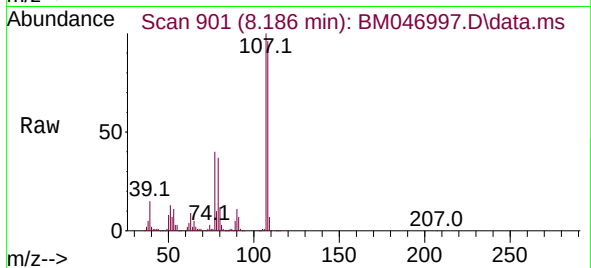




#18
4-Methylphenol
Concen: 52.036 ng/ul
RT: 8.186 min Scan# 901
Delta R.T. -0.000 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

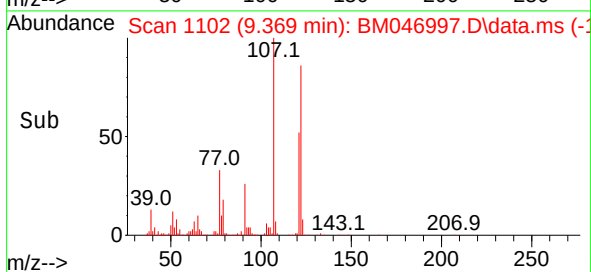
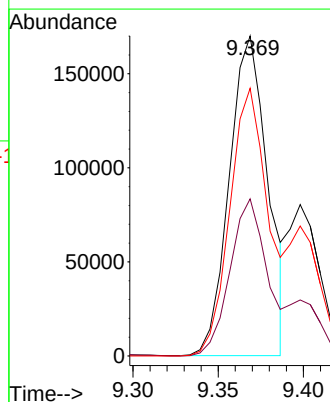
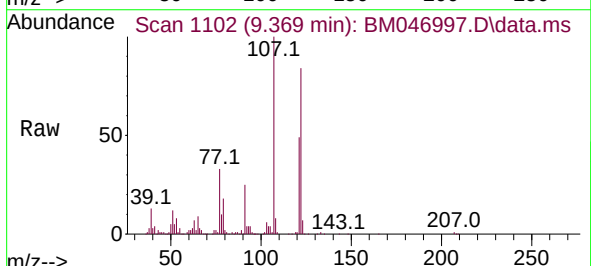
Instrument :
BNA_M
ClientSampleId :
F7E08

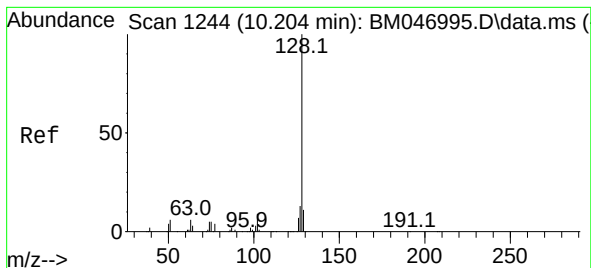
Tgt Ion:108 Resp: 720910
Ion Ratio Lower Upper
108 100
107 103.7 86.4 129.6



#26
2,4-Dimethylphenol
Concen: 16.045 ng/ul
RT: 9.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

Tgt Ion:107 Resp: 267758
Ion Ratio Lower Upper
107 100
121 49.1 37.3 55.9
122 83.7 65.8 98.6





#30

Naphthalene

Concen: 154.633 ng/ul

RT: 10.216 min Scan# 1246

Delta R.T. 0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA_M

ClientSampleId :

F7E08

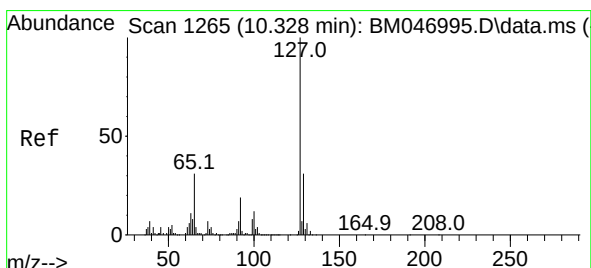
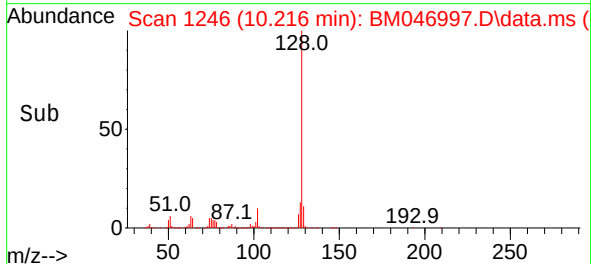
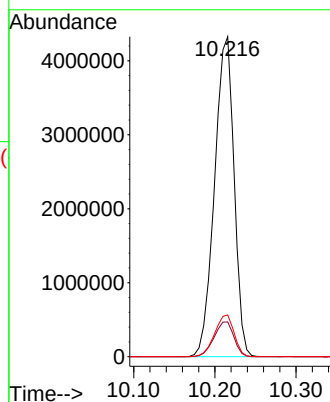
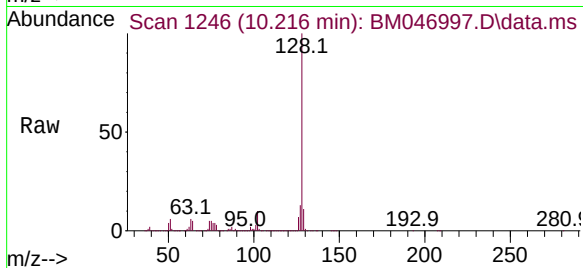
Tgt Ion:128 Resp: 7230809

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.1 10.4 15.6



#32

4-Chloroaniline

Concen: 49.826 ng/ul

RT: 10.216 min Scan# 1246

Delta R.T. -0.118 min

Lab File: BM046997.D

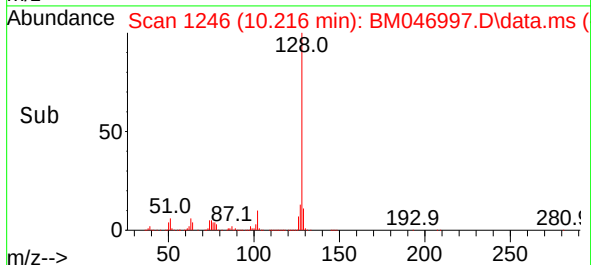
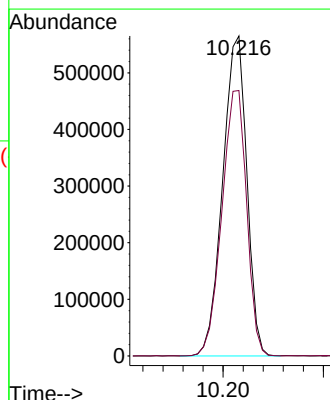
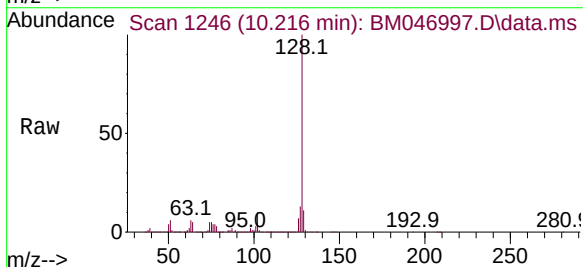
Acq: 05 Aug 2024 18:30

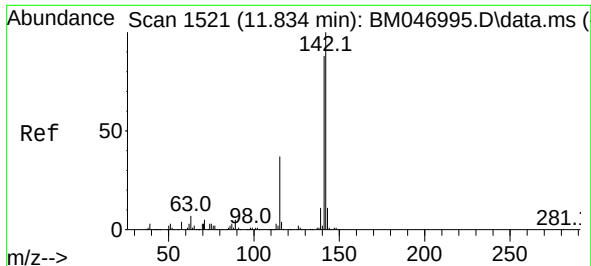
Tgt Ion:127 Resp: 944920

Ion Ratio Lower Upper

127 100

129 82.9 25.6 38.4#





#36

2-Methylnaphthalene

Concen: 40.566 ng/ul

RT: 11.833 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA_M

ClientSampleId :

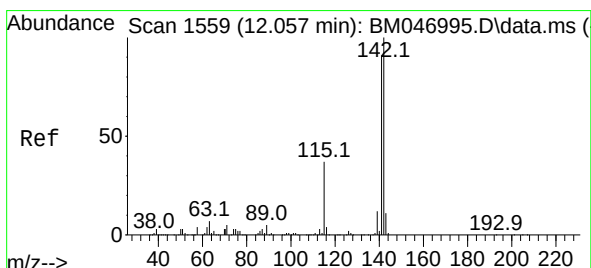
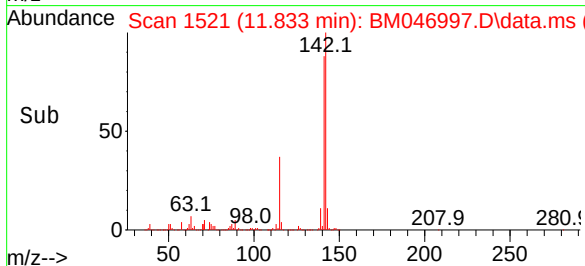
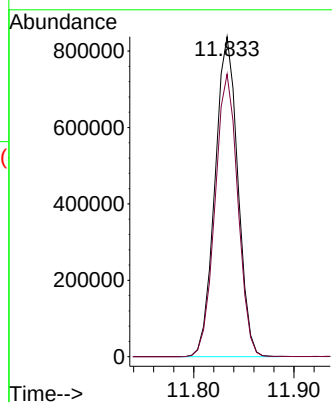
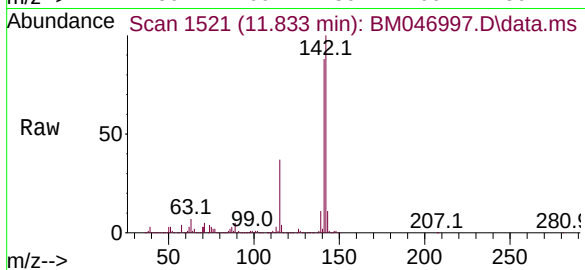
F7E08

Tgt Ion:142 Resp: 1324531

Ion Ratio Lower Upper

142 100

141 88.3 69.9 104.9



#37

1-Methylnaphthalene

Concen: 18.277 ng/ul

RT: 12.057 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

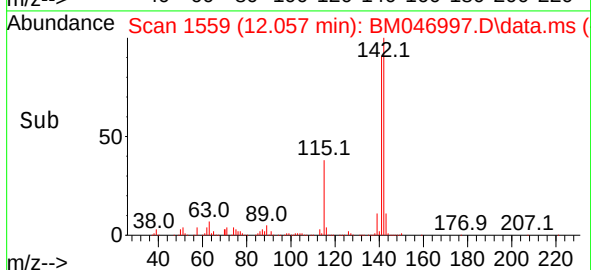
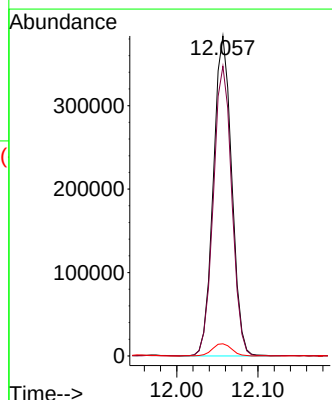
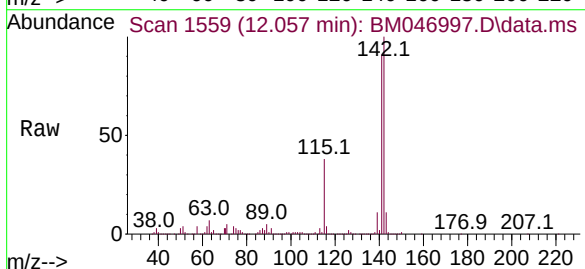
Tgt Ion:142 Resp: 604127

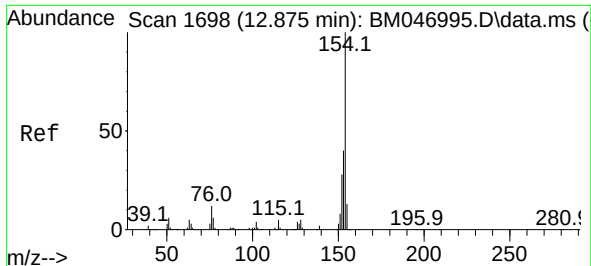
Ion Ratio Lower Upper

142 100

141 90.6 72.0 108.0

116 3.8 3.6 5.4

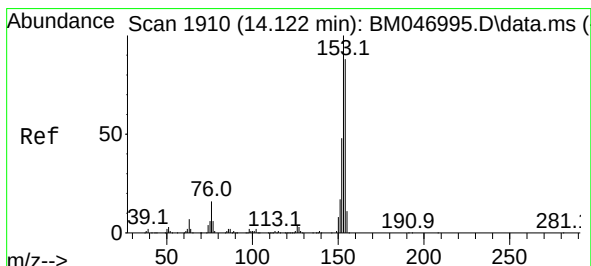
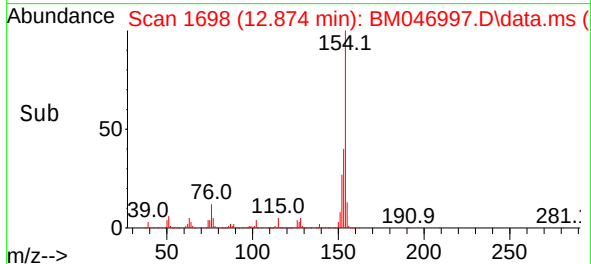
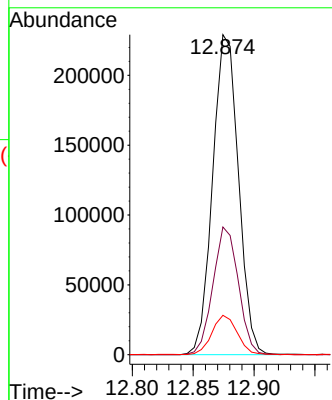
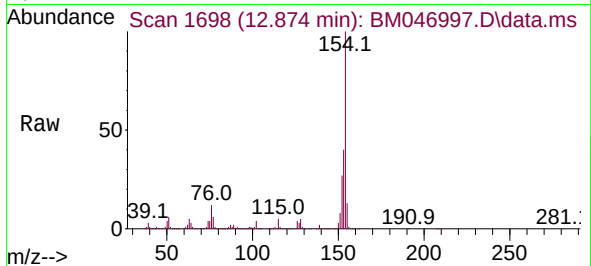




#43
1,1'-Biphenyl
Concen: 7.540 ng/ul
RT: 12.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

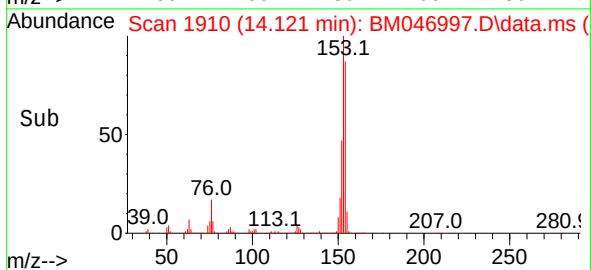
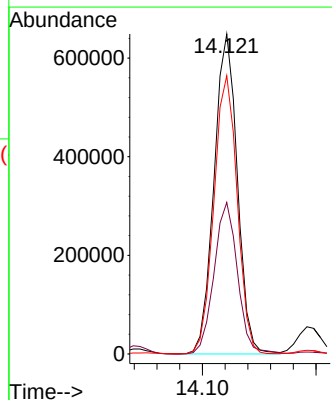
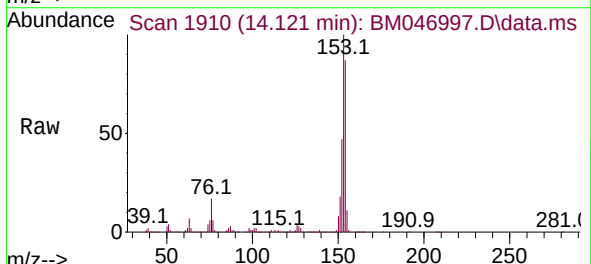
Instrument :
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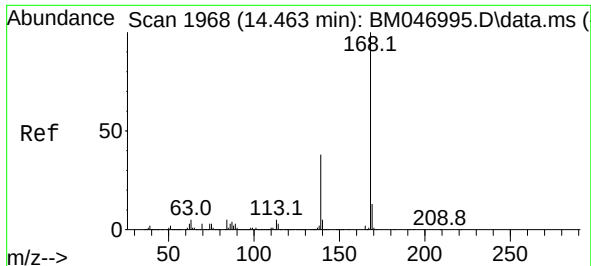
Tgt Ion:154 Resp: 337549
Ion Ratio Lower Upper
154 100
153 39.9 30.7 46.1
76 12.3 9.3 13.9



#52
Acenaphthene
Concen: 23.795 ng/ul
RT: 14.121 min Scan# 1910
Delta R.T. -0.000 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

Tgt Ion:153 Resp: 925305
Ion Ratio Lower Upper
153 100
152 47.4 38.2 57.2
154 86.9 70.1 105.1

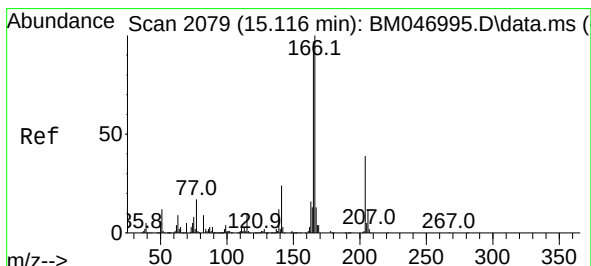
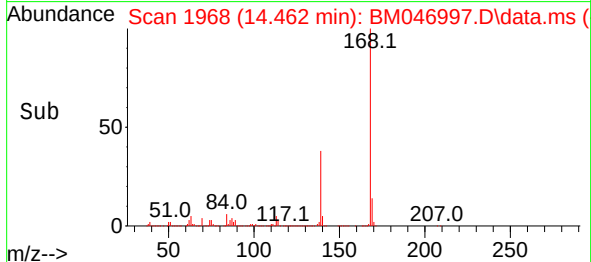
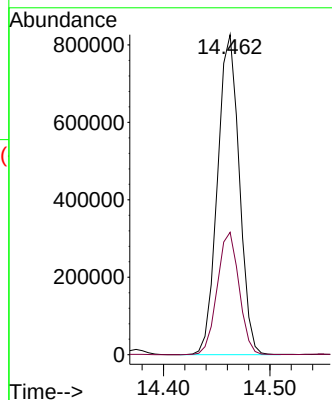
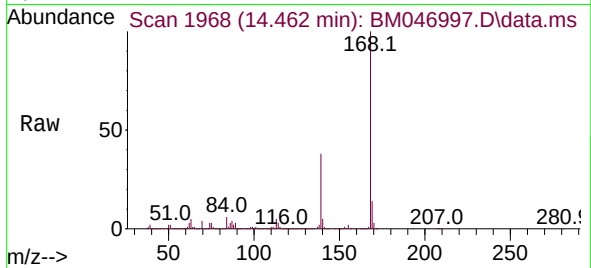




#56
Dibenzenofuran
Concen: 21.465 ng/ul
RT: 14.462 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

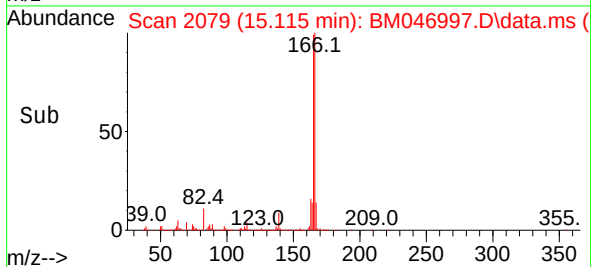
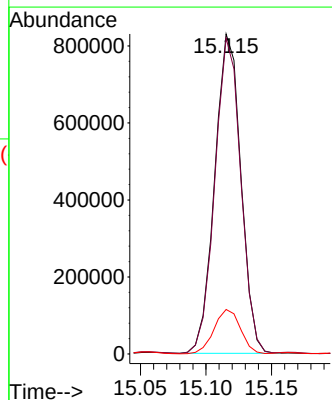
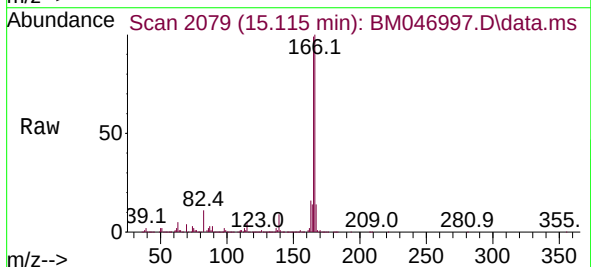
Instrument :
BNA_M
ClientSampleId :
F7E08

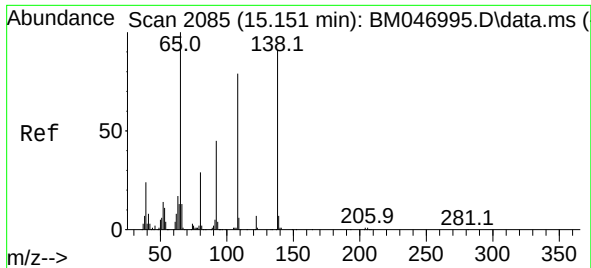
Tgt Ion:168 Resp: 1171451
Ion Ratio Lower Upper
168 100
139 38.2 33.0 49.4



#61
Fluorene
Concen: 25.536 ng/ul
RT: 15.115 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

Tgt Ion:166 Resp: 1149468
Ion Ratio Lower Upper
166 100
165 98.7 79.5 119.3
167 13.9 11.5 17.3

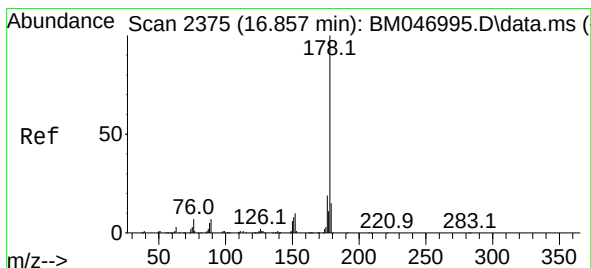
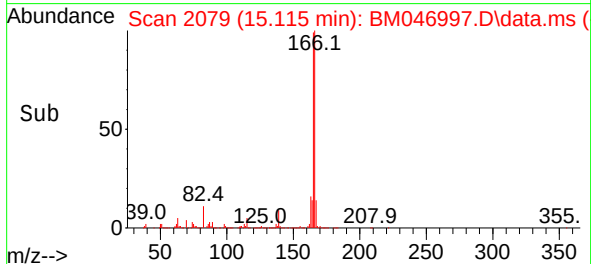
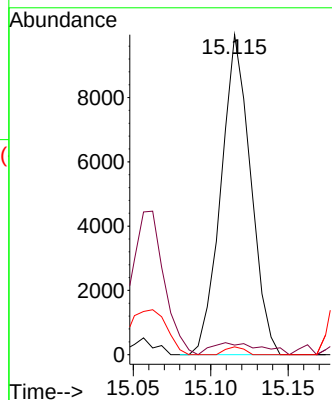
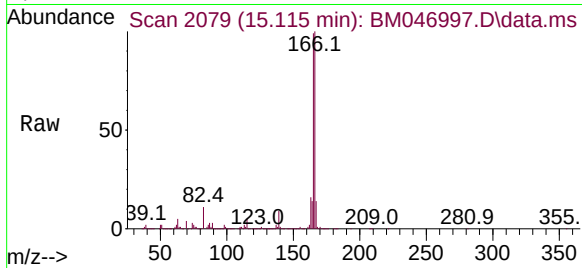




#63
4-Nitroaniline
Concen: 1.474 ng/ul
RT: 15.115 min Scan# 2085
Delta R.T. -0.035 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

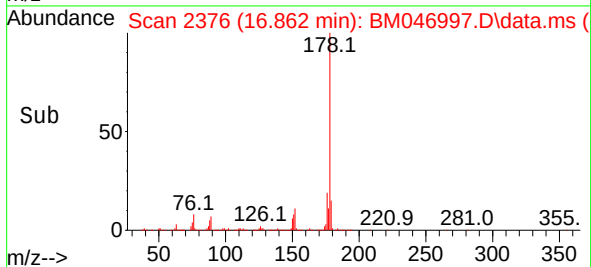
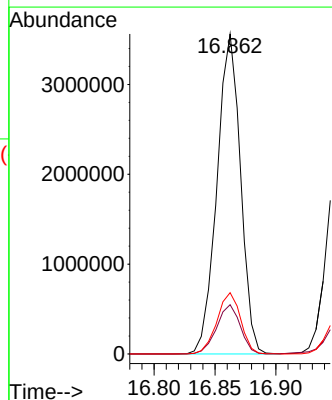
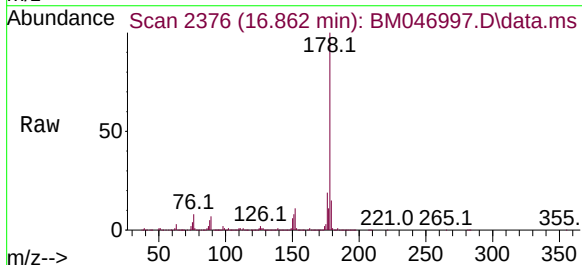
Instrument :
BNA_M
ClientSampleId :
F7E08

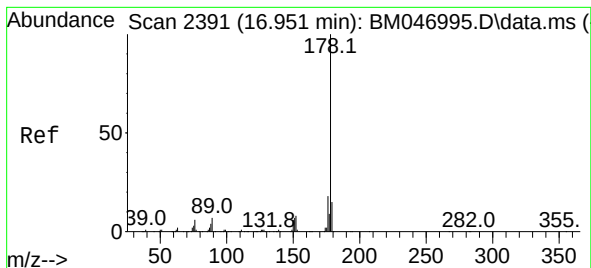
Tgt Ion:138 Resp: 13244
Ion Ratio Lower Upper
138 100
92 3.0 47.7 71.5#
108 2.5 87.3 130.9#



#72
Phenanthrene
Concen: 65.828 ng/ul
RT: 16.862 min Scan# 2376
Delta R.T. -0.000 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

Tgt Ion:178 Resp: 4786839
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.2 15.3 22.9





#74

Anthracene

Concen: 44.934 ng/ul

RT: 16.951 min Scan# 2439

Delta R.T. -0.000 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA_M

ClientSampleId :

F7E08

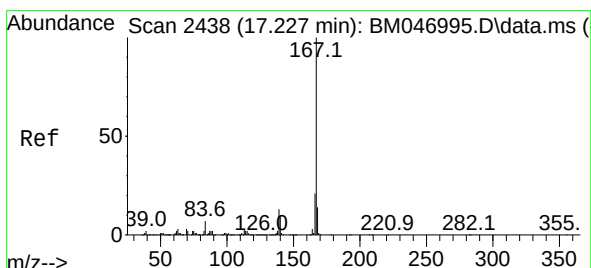
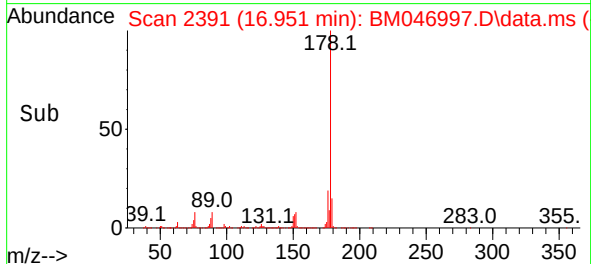
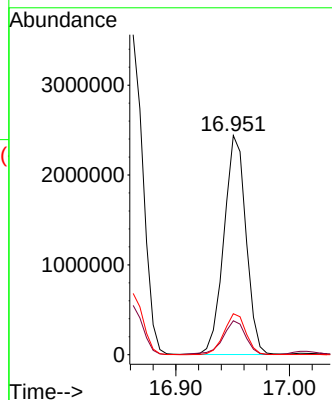
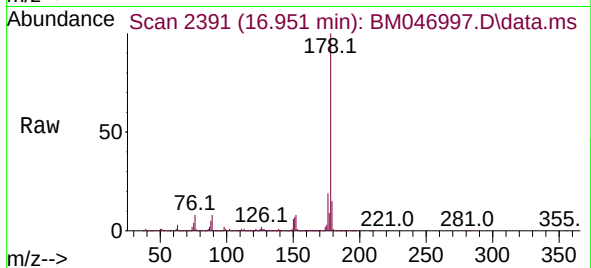
Tgt Ion:178 Resp: 3295182

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

176 18.7 14.6 22.0



#77

Carbazole

Concen: 20.935 ng/ul

RT: 17.233 min Scan# 2439

Delta R.T. -0.000 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

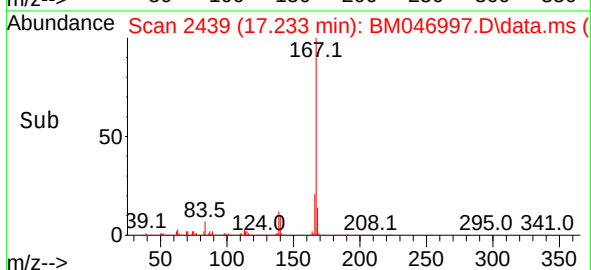
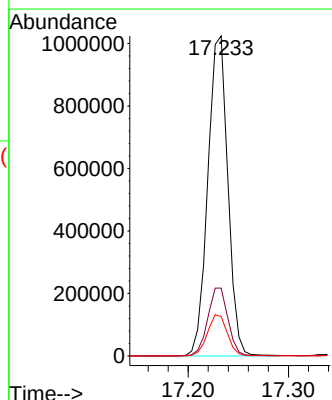
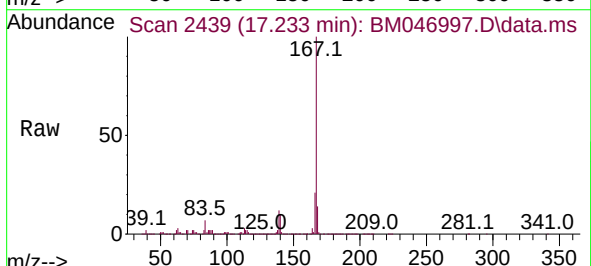
Tgt Ion:167 Resp: 1423254

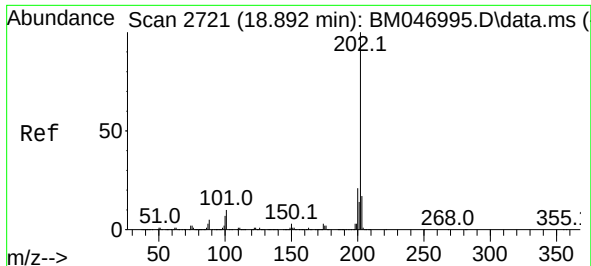
Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.4

139 12.3 10.6 16.0

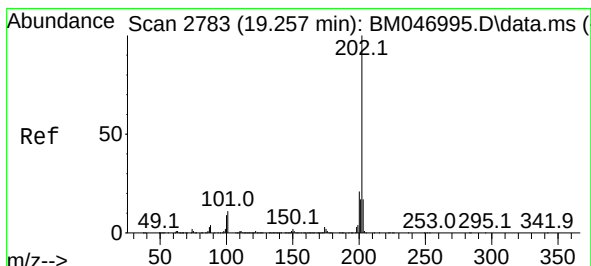
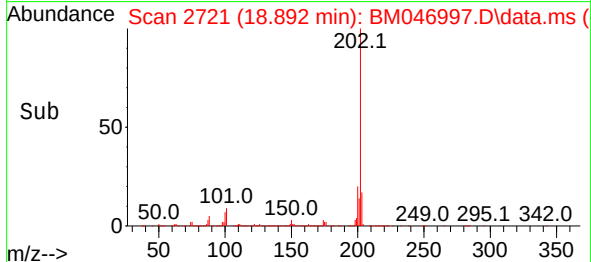
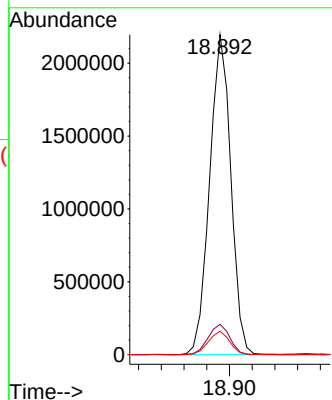
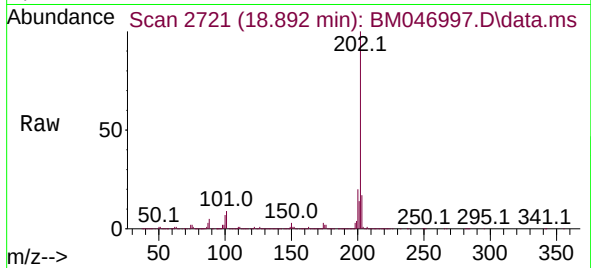




#80
Fluoranthene
Concen: 35.328 ng/ul
RT: 18.892 min Scan# 2721
Delta R.T. -0.000 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

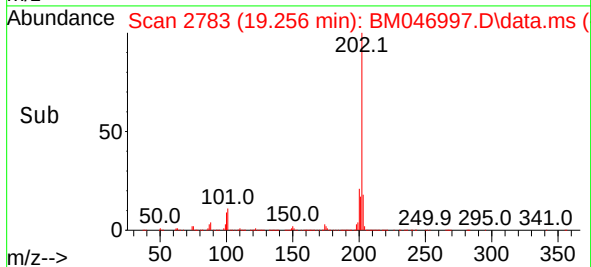
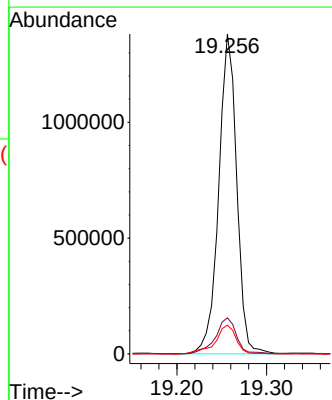
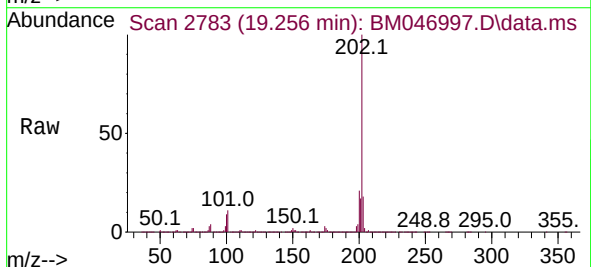
Instrument :
BNA_M
ClientSampleId :
F7E08

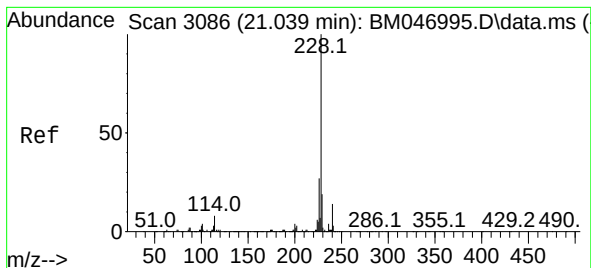
Tgt Ion:202 Resp: 2842505
Ion Ratio Lower Upper
202 100
101 9.5 7.8 11.6
100 7.3 5.9 8.9



#82
Pyrene
Concen: 22.442 ng/ul
RT: 19.256 min Scan# 2783
Delta R.T. -0.006 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

Tgt Ion:202 Resp: 1924068
Ion Ratio Lower Upper
202 100
101 11.3 8.7 13.1
100 9.0 6.8 10.2





#85

Benzo(a)anthracene

Concen: 7.185 ng/ul

RT: 21.033 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA_M

ClientSampleId :

F7E08

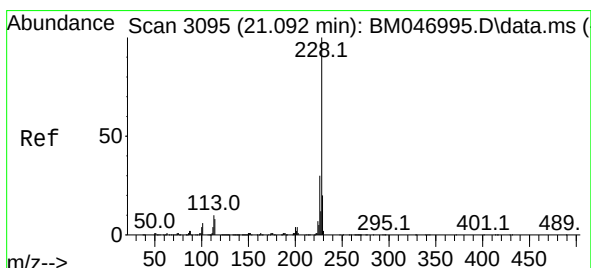
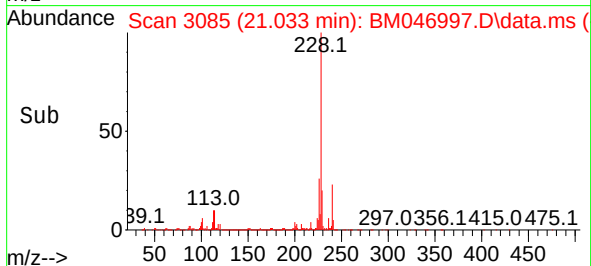
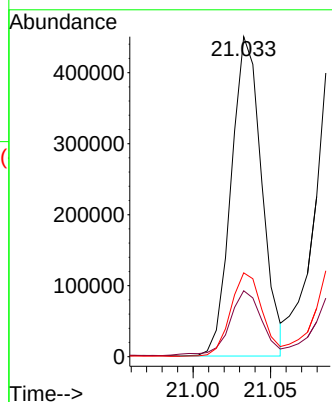
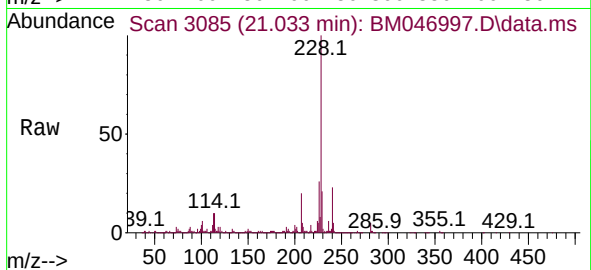
Tgt Ion:228 Resp: 617124

Ion Ratio Lower Upper

228 100

229 20.6 15.5 23.3

226 26.2 21.2 31.8



#87

Chrysene

Concen: 8.070 ng/ul

RT: 21.091 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

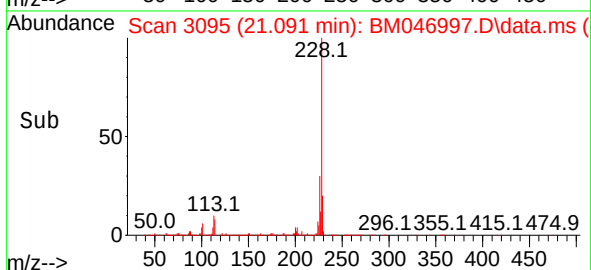
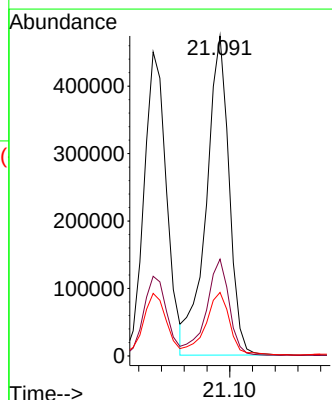
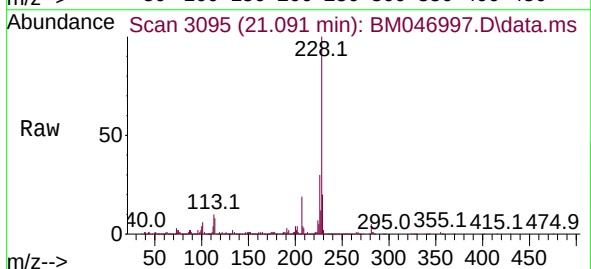
Tgt Ion:228 Resp: 661141

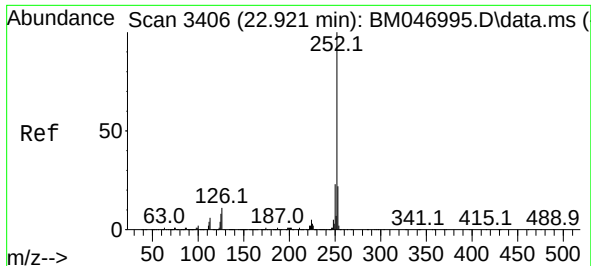
Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 19.8 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 3.865 ng/ul

RT: 22.915 min Scan# 3405

Delta R.T. -0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA_M

ClientSampleId :

F7E08

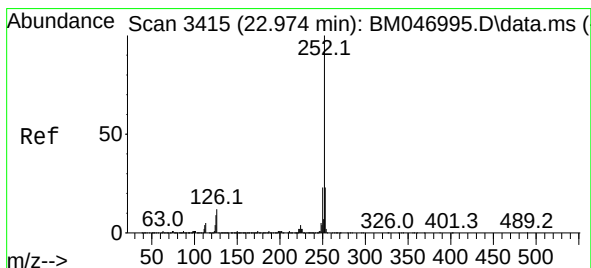
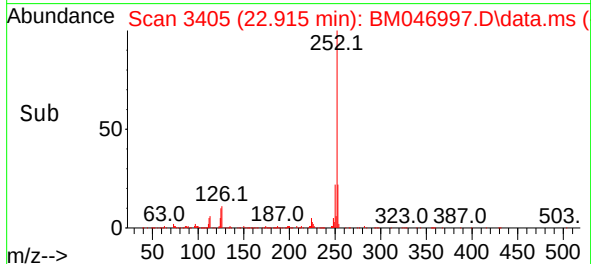
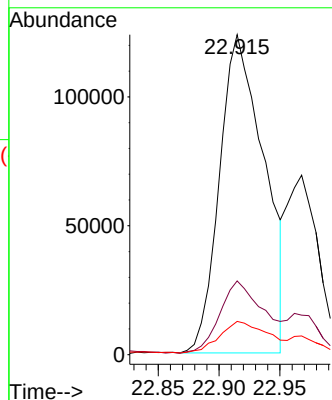
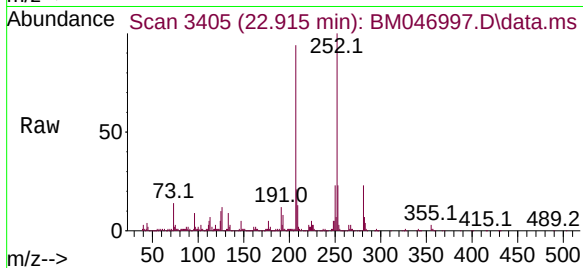
Tgt Ion:252 Resp: 314283

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 10.4 7.0 10.6



#91

Benzo(k)fluoranthene

Concen: 1.503 ng/ul

RT: 22.968 min Scan# 3414

Delta R.T. -0.012 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

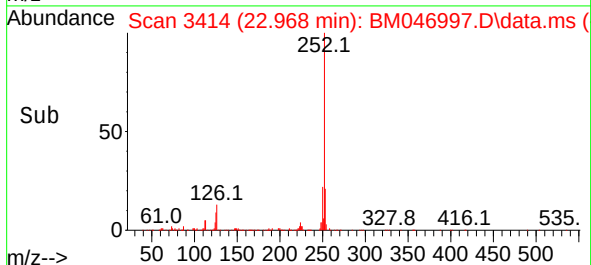
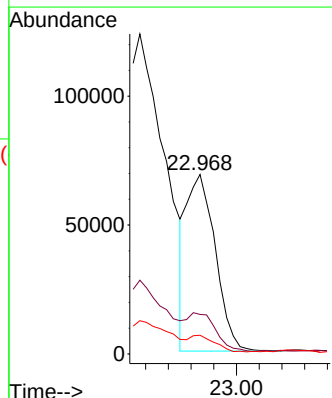
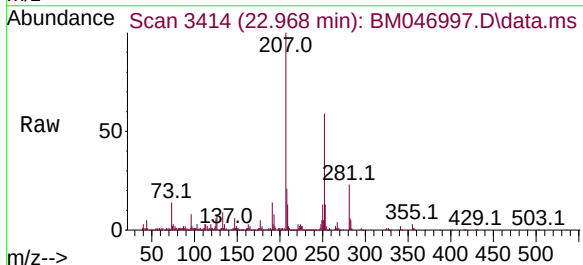
Tgt Ion:252 Resp: 120795

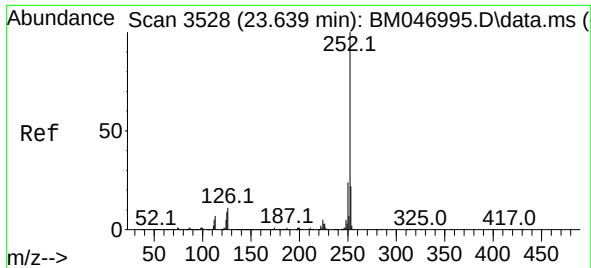
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

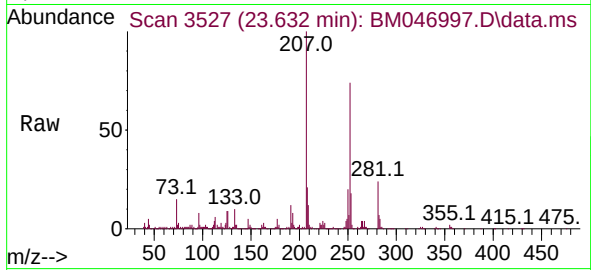
125 10.4 6.9 10.3#





#93
Benzo(a)pyrene
Concen: 2.518 ng/ul
RT: 23.632 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM046997.D
Acq: 05 Aug 2024 18:30

Instrument :
BNA_M
ClientSampleId :
F7E08



Tgt Ion:252 Resp: 190739
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 11.5 8.1 12.1

