

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080624\
 Data File : BM047031.D
 Acq On : 06 Aug 2024 20:35
 Operator : RC/JU
 Sample : P3329-08DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 07 01:22:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 07 01:21:15 2024
 Response via : Initial Calibration

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

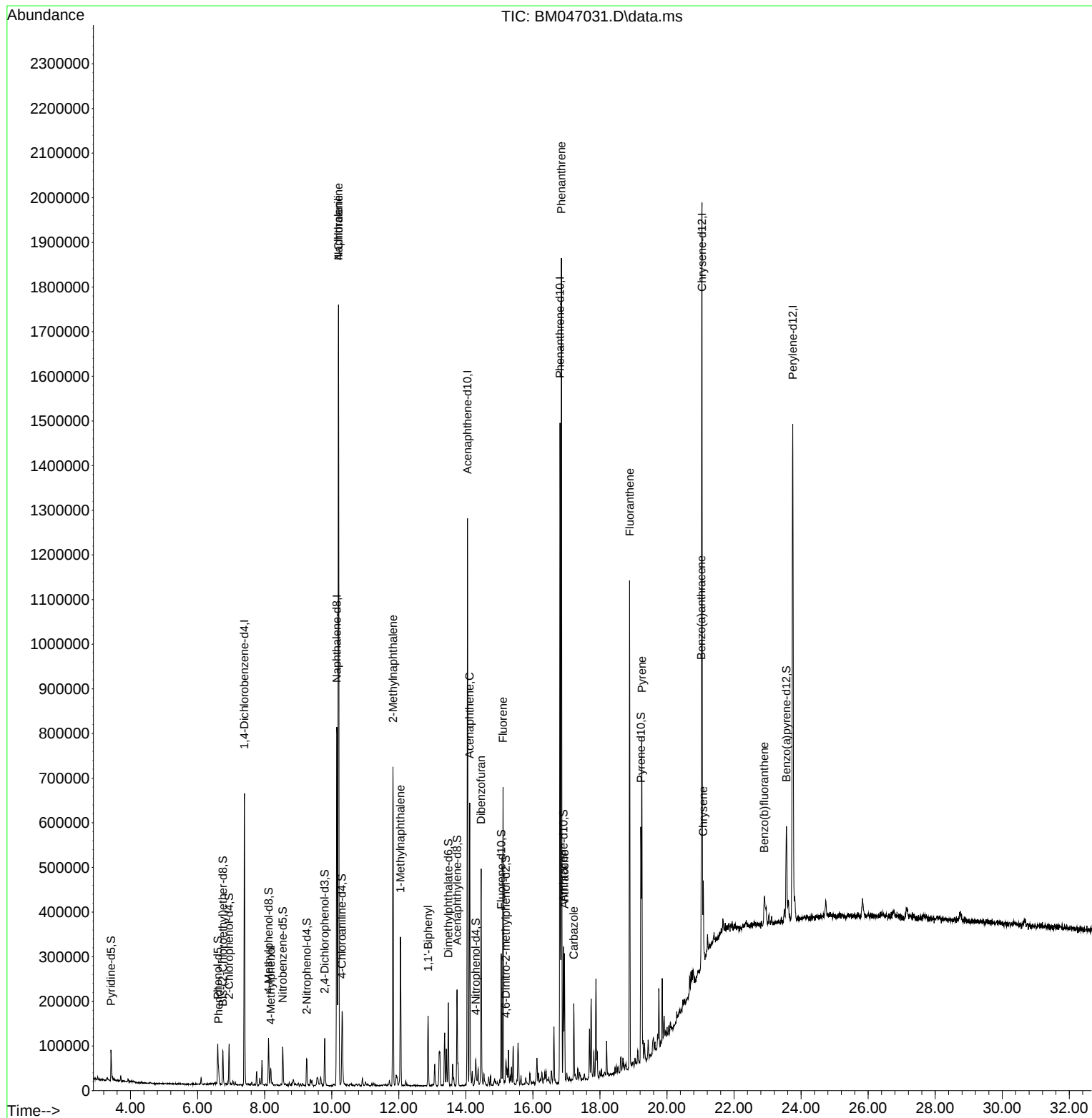
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.398	152	169499	20.000	ng/ul	0.00
20) Naphthalene-d8	10.151	136	651632	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.051	164	402851	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.809	188	810634	20.000	ng/ul	0.00
79) Chrysene-d12	21.044	240	776791	20.000	ng/ul	0.00
88) Perylene-d12	23.750	264	932328	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.022	96	2506	0.586	ng/uL	0.00
4) Pyridine-d5	3.416	84	39488	3.384	ng/ul	0.01
7) Phenol-d5	6.604	99	46771	3.632	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.751	67	34056	4.020	ng/ul	0.00
11) 2-Chlorophenol-d4	6.939	132	38165	3.499	ng/ul	0.00
15) 4-Methylphenol-d8	8.116	113	37140	3.641	ng/ul	0.00
21) Nitrobenzene-d5	8.539	128	18879	3.610	ng/ul	0.00
24) 2-Nitrophenol-d4	9.257	143	17615	3.085	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.792	165	35288	3.219	ng/ul	0.00
31) 4-Chloroaniline-d4	10.304	131	53672	3.725	ng/ul	0.00
46) Dimethylphthalate-d6	13.480	166	117366	3.810	ng/ul	0.00
49) Acenaphthylene-d8	13.739	160	133623	3.886	ng/ul	0.00
54) 4-Nitrophenol-d4	14.298	143	11961	2.008	ng/ul	0.00
60) Fluorene-d10	15.057	176	102900	3.905	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.192	200	8489	1.658	ng/ul	0.00
73) Anthracene-d10	16.909	188	154165	4.012	ng/ul	0.00
81) Pyrene-d10	19.221	212	176277	3.964	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.562	264	186409	3.797	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.628	94	14538	1.121	ng/ul	93
18) 4-Methylphenol	8.181	108	14170	1.328	ng/ul	90
30) Naphthalene	10.204	128	1368500	39.665	ng/ul	100
32) 4-Chloroaniline	10.204	127	176395	12.606	ng/ul#	8
36) 2-Methylnaphthalene	11.827	142	321701	13.354	ng/ul	99
37) 1-Methylnaphthalene	12.051	142	149406	6.126	ng/ul	98
43) 1,1'-Biphenyl	12.874	154	81294	2.697	ng/ul	98
52) Acenaphthene	14.116	153	242422	9.260	ng/ul	99
56) Dibenzofuran	14.457	168	273876	7.454	ng/ul	97
61) Fluorene	15.110	166	269046	8.878	ng/ul	96
72) Phenanthrene	16.851	178	1055256	23.222	ng/ul	99
74) Anthracene	16.945	178	168828	3.684	ng/ul	99
77) Carbazole	17.221	167	98373	2.316	ng/ul	99
80) Fluoranthene	18.886	202	608608	11.452	ng/ul	97
82) Pyrene	19.250	202	419071	7.401	ng/ul#	96
85) Benzo(a)anthracene	21.027	228	126538	2.230	ng/ul	99
87) Chrysene	21.080	228	102933	1.902	ng/ul	99
90) Benzo(b)fluoranthene	22.903	252	67646	1.173	ng/ul#	98

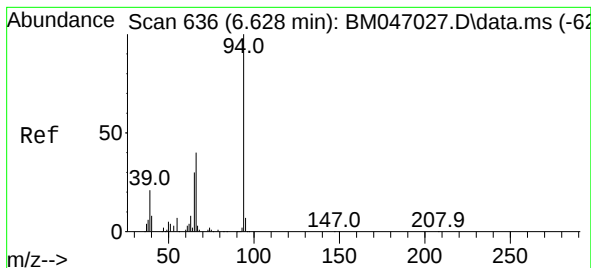
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Phenol

Concen: 1.121 ng/ul

RT: 6.628 min Scan# 61

Delta R.T. -0.000 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Instrument :

BNA_M

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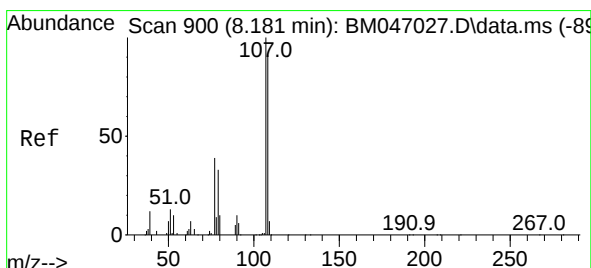
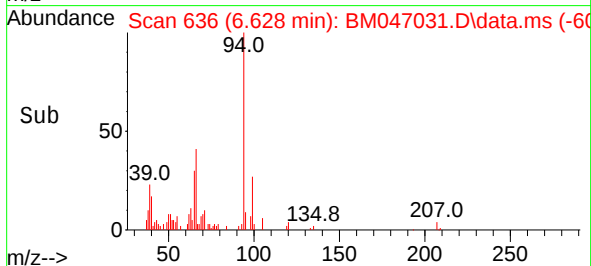
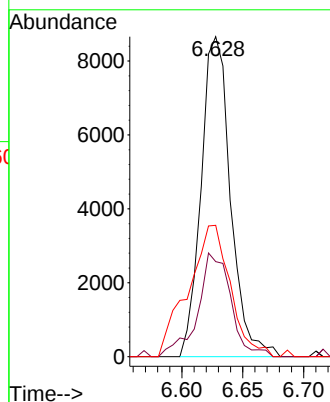
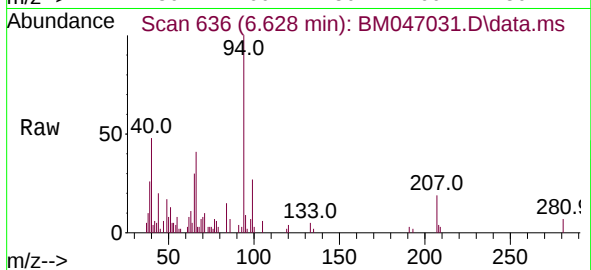
Tgt Ion: 94 Resp: 14538

Ion Ratio Lower Upper

94 100

65 29.7 25.1 37.7

66 41.1 37.7 56.5



#18

4-Methylphenol

Concen: 1.328 ng/ul

RT: 8.181 min Scan# 900

Delta R.T. -0.000 min

Lab File: BM047031.D

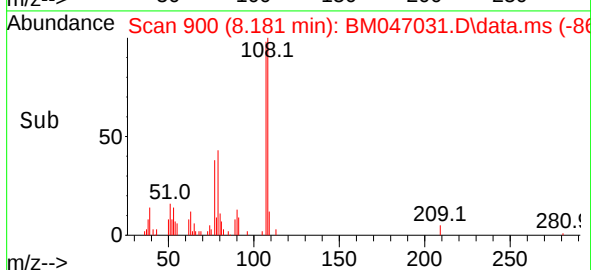
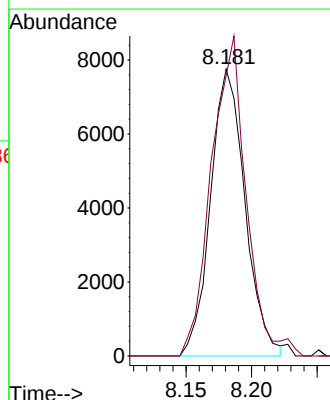
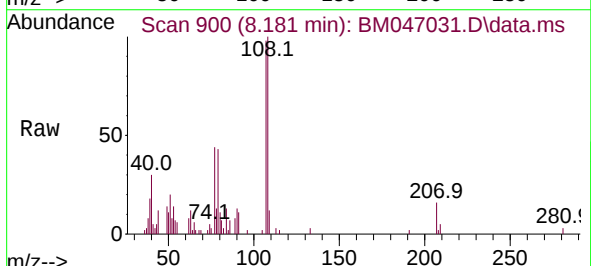
Acq: 06 Aug 2024 20:35

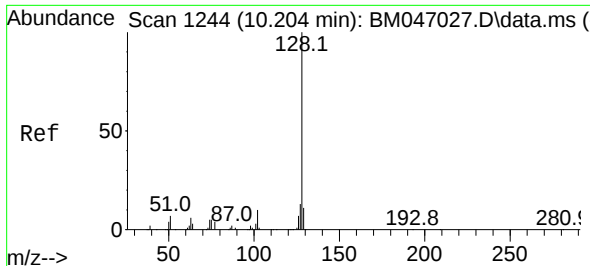
Tgt Ion:108 Resp: 14170

Ion Ratio Lower Upper

108 100

107 97.6 86.4 129.6





#30

Naphthalene

Concen: 39.665 ng/ul

RT: 10.204 min Scan# 1244

Delta R.T. -0.000 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Instrument :

BNA_M

ClientSampleId :

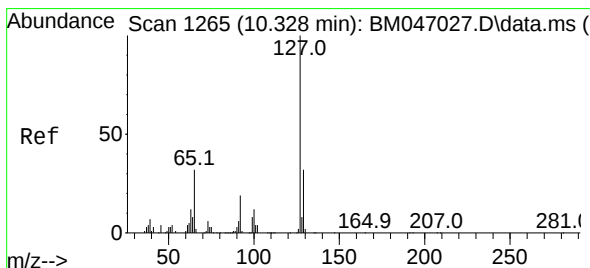
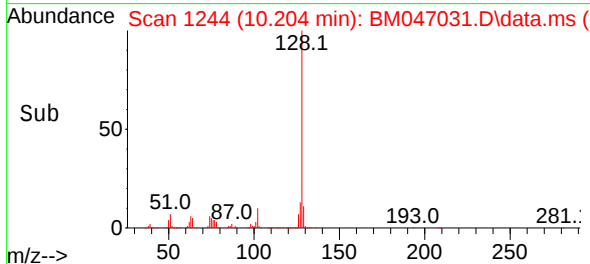
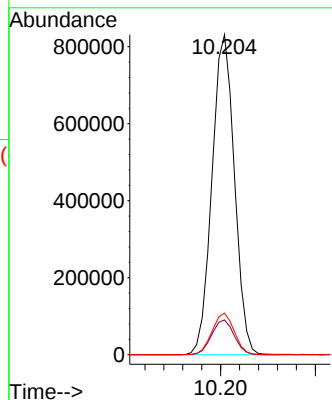
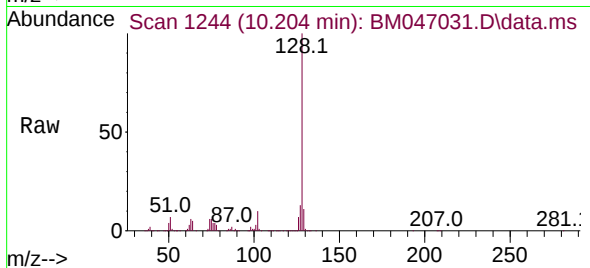
Tgt Ion:128 Resp: 1368500

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.0 10.4 15.6



#32

4-Chloroaniline

Concen: 12.606 ng/ul

RT: 10.204 min Scan# 1244

Delta R.T. -0.124 min

Lab File: BM047031.D

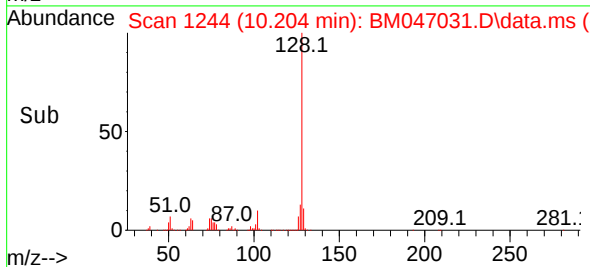
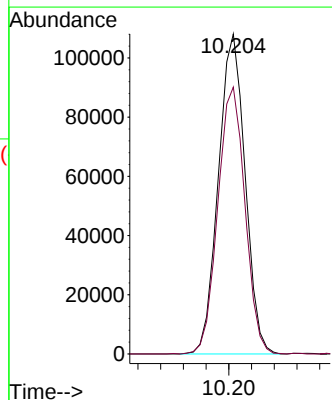
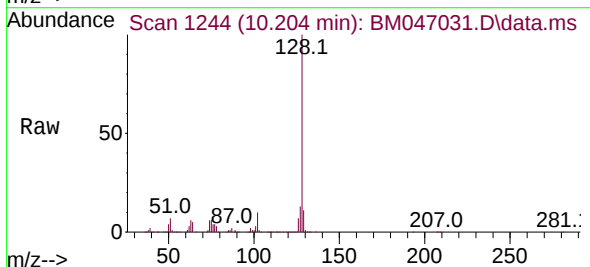
Acq: 06 Aug 2024 20:35

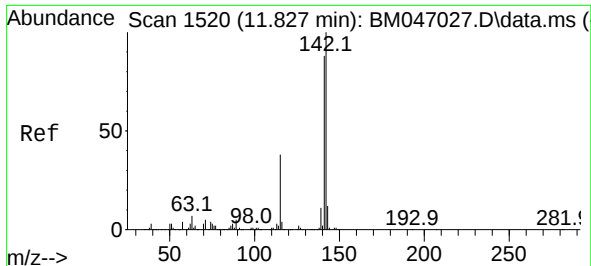
Tgt Ion:127 Resp: 176395

Ion Ratio Lower Upper

127 100

129 83.4 25.6 38.4#





#36

2-Methylnaphthalene

Concen: 13.354 ng/ul

RT: 11.827 min Scan# 1520

Delta R.T. -0.000 min

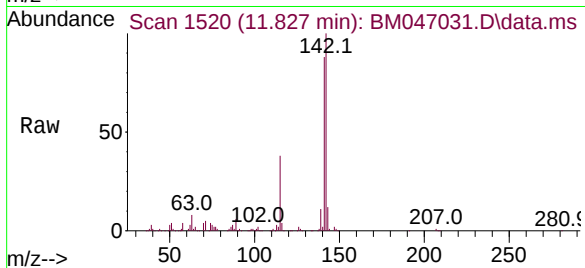
Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Instrument :

BNA_M

ClientSampleId :

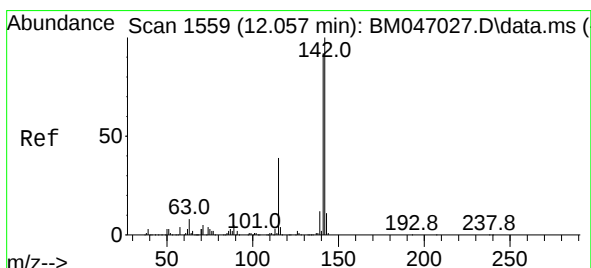
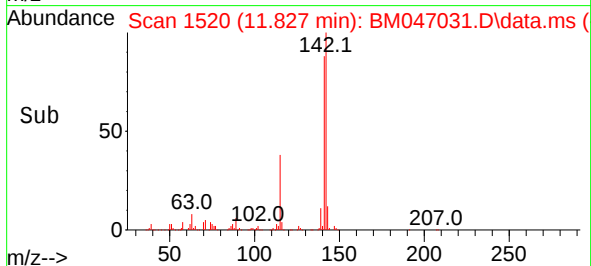
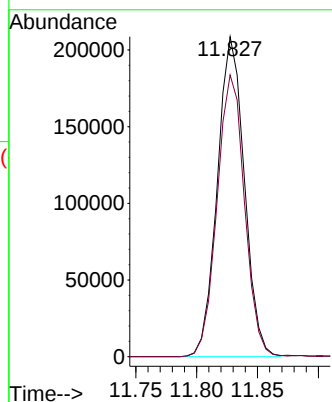


Tgt Ion:142 Resp: 321701

Ion Ratio Lower Upper

142 100

141 88.0 69.9 104.9



#37

1-Methylnaphthalene

Concen: 6.126 ng/ul

RT: 12.051 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

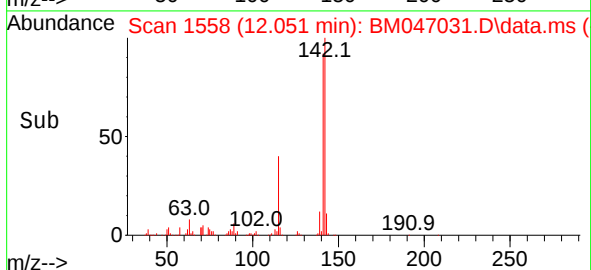
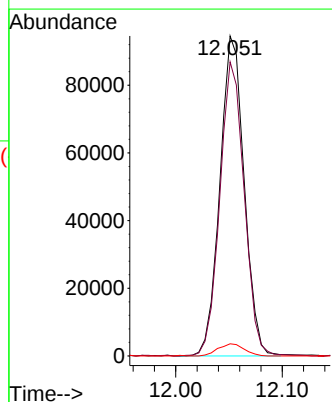
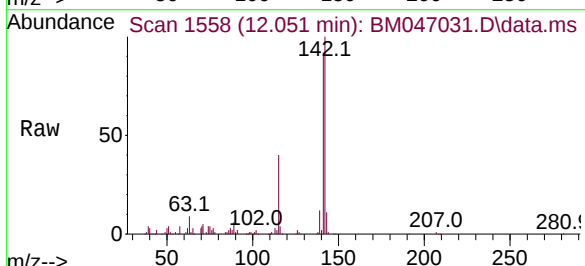
Tgt Ion:142 Resp: 149406

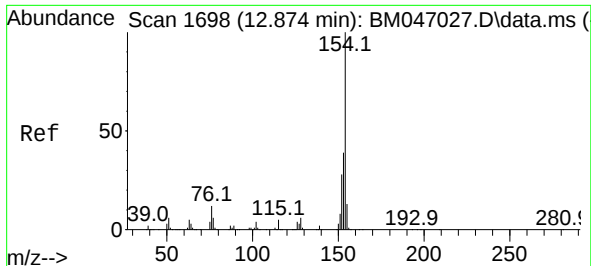
Ion Ratio Lower Upper

142 100

141 91.9 72.0 108.0

116 3.8 3.6 5.4





#43

1,1'-Biphenyl

Concen: 2.697 ng/ul

RT: 12.874 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047031.D

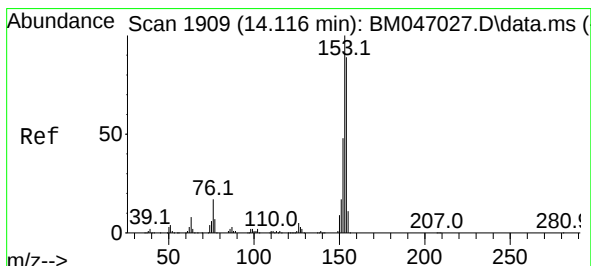
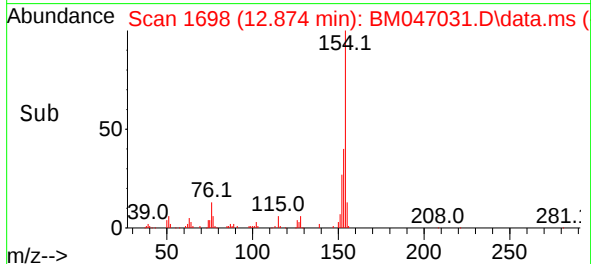
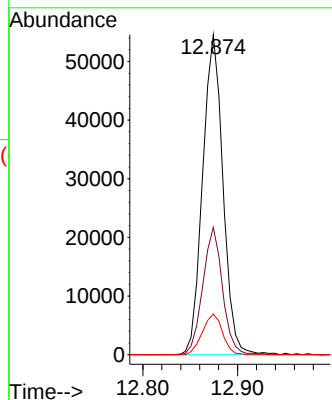
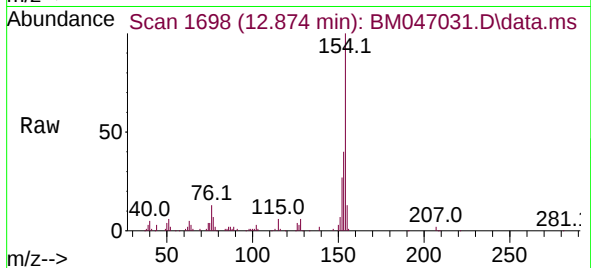
Acq: 06 Aug 2024 20:35

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:154	Resp:	81294
Ion Ratio	Lower	Upper
154	100	
153	39.8	30.7 46.1
76	12.7	9.3 13.9



#52

Acenaphthene

Concen: 9.260 ng/ul

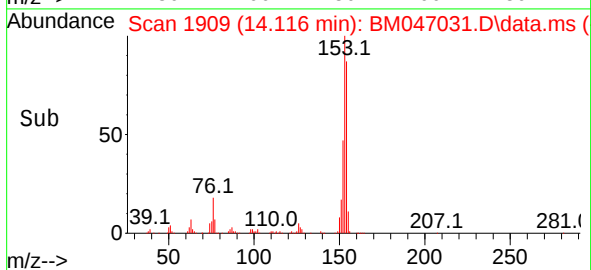
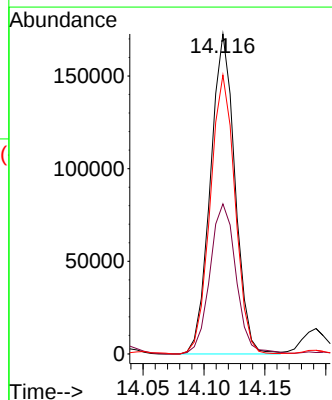
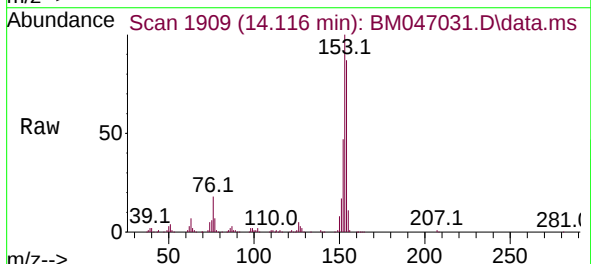
RT: 14.116 min Scan# 1909

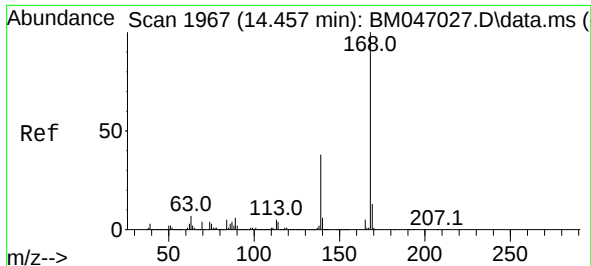
Delta R.T. -0.000 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Tgt Ion:153	Resp:	242422
Ion Ratio	Lower	Upper
153	100	
152	46.9	38.2 57.2
154	87.2	70.1 105.1





#56

Dibenzenofuran

Concen: 7.454 ng/ul

RT: 14.457 min Scan# 1967

Delta R.T. -0.000 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Instrument :

BNA_M

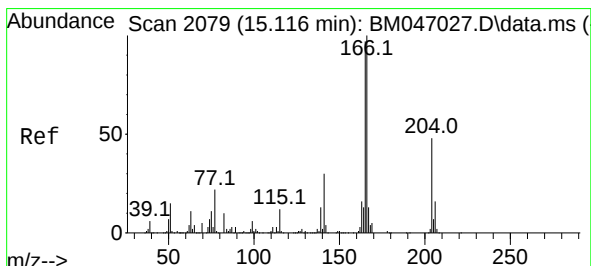
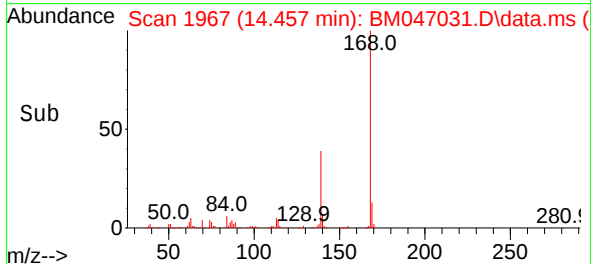
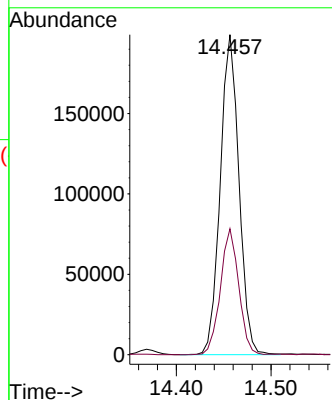
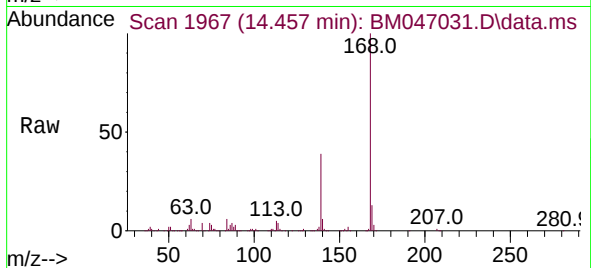
ClientSampleId :

Tgt Ion:168 Resp: 273876

Ion Ratio Lower Upper

168 100

139 39.4 33.0 49.4



#61

Fluorene

Concen: 8.878 ng/ul

RT: 15.110 min Scan# 2078

Delta R.T. -0.006 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

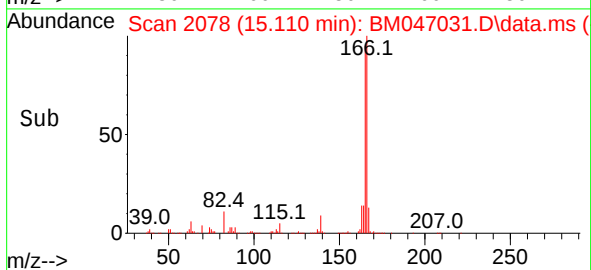
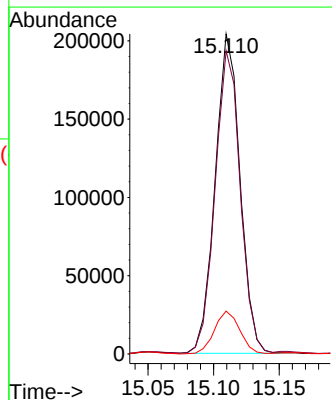
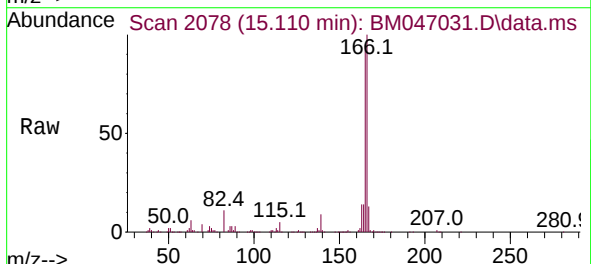
Tgt Ion:166 Resp: 269046

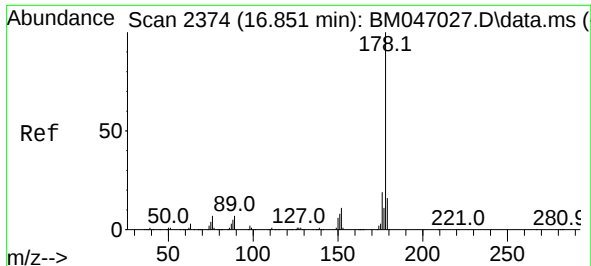
Ion Ratio Lower Upper

166 100

165 94.8 79.5 119.3

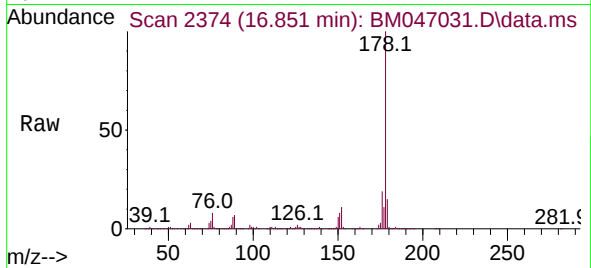
167 13.4 11.5 17.3



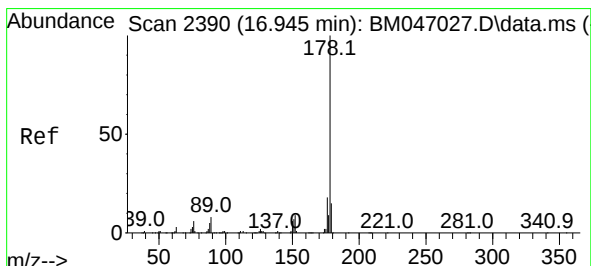
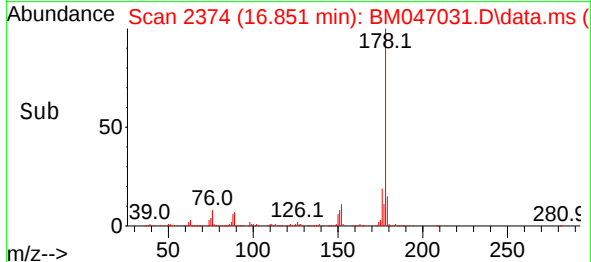
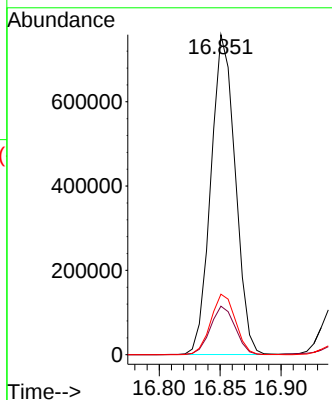


#72
Phenanthrene
Concen: 23.222 ng/ul
RT: 16.851 min Scan# 2374
Delta R.T. -0.000 min
Lab File: BM047031.D
Acq: 06 Aug 2024 20:35

Instrument :
BNA_M
ClientSampleId :

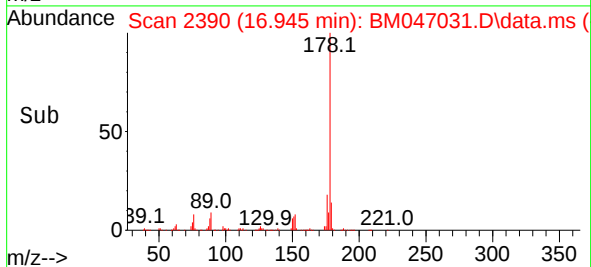
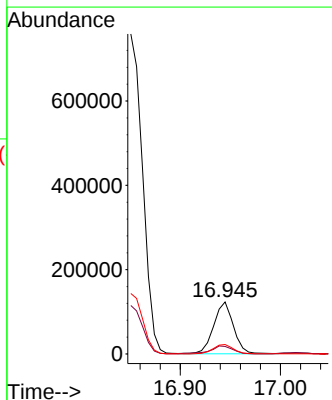
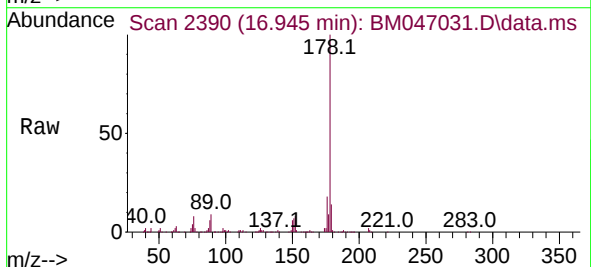


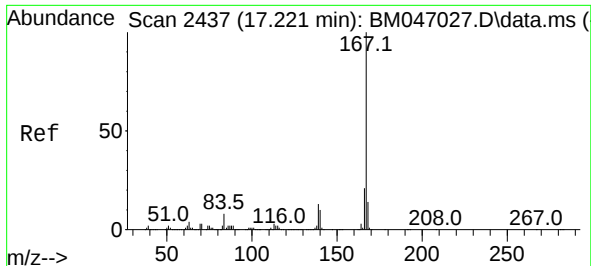
Tgt Ion:178 Resp: 1055256
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 18.9 15.3 22.9



#74
Anthracene
Concen: 3.684 ng/ul
RT: 16.945 min Scan# 2390
Delta R.T. -0.000 min
Lab File: BM047031.D
Acq: 06 Aug 2024 20:35

Tgt Ion:178 Resp: 168828
Ion Ratio Lower Upper
178 100
179 14.4 12.2 18.2
176 18.1 14.6 22.0

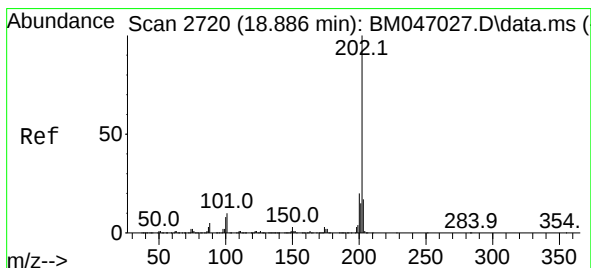
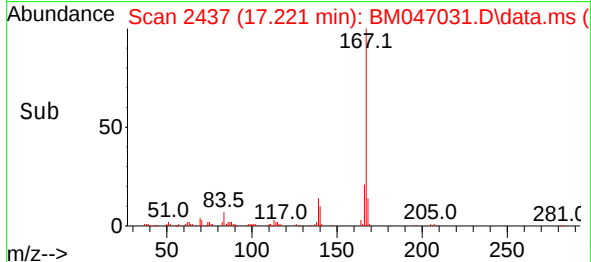
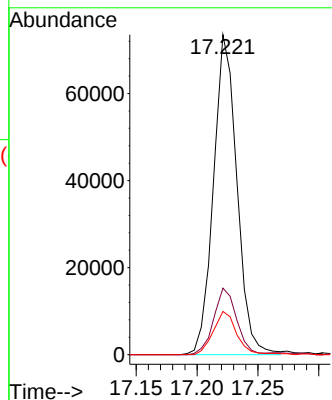
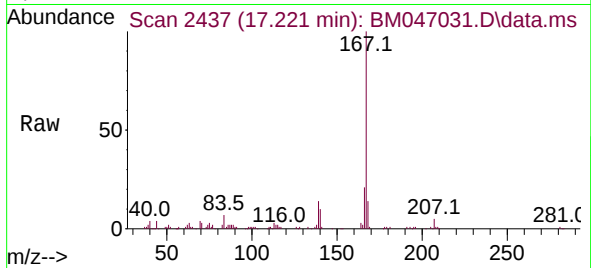




#77
Carbazole
Concen: 2.316 ng/ul
RT: 17.221 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BM047031.D
Acq: 06 Aug 2024 20:35

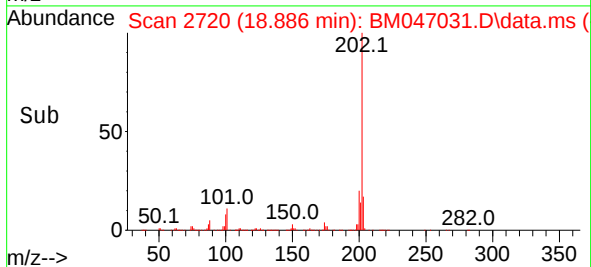
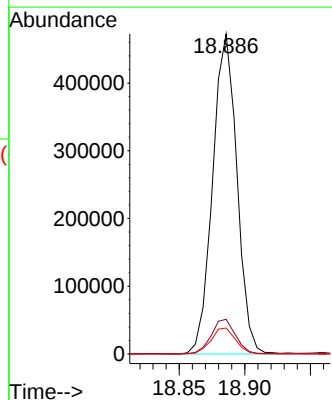
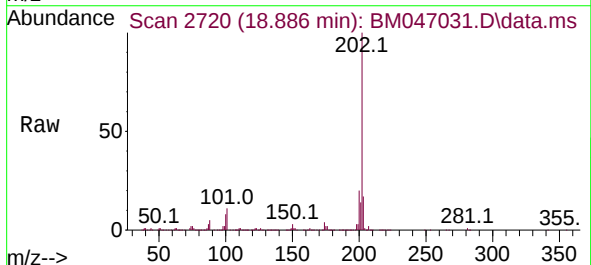
Instrument :
BNA_M
ClientSampleId :

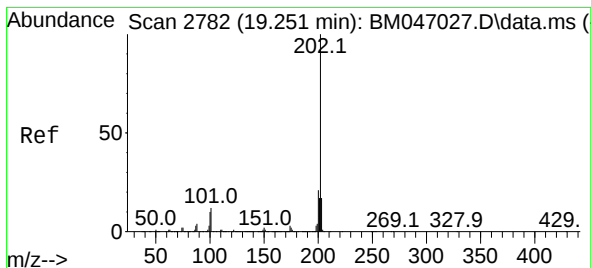
Tgt Ion:167 Resp: 98373
Ion Ratio Lower Upper
167 100
166 20.8 17.0 25.4
139 13.5 10.6 16.0



#80
Fluoranthene
Concen: 11.452 ng/ul
RT: 18.886 min Scan# 2720
Delta R.T. -0.000 min
Lab File: BM047031.D
Acq: 06 Aug 2024 20:35

Tgt Ion:202 Resp: 608608
Ion Ratio Lower Upper
202 100
101 10.8 7.8 11.6
100 8.1 5.9 8.9





#82

Pyrene

Concen: 7.401 ng/ul

RT: 19.250 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Instrument :

BNA_M

ClientSampleId :

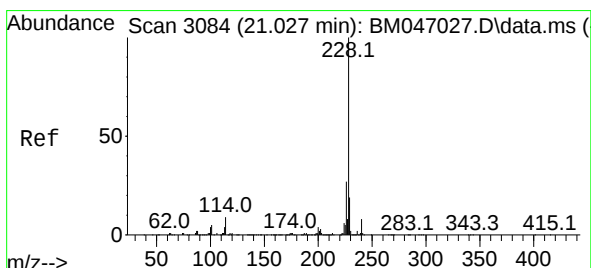
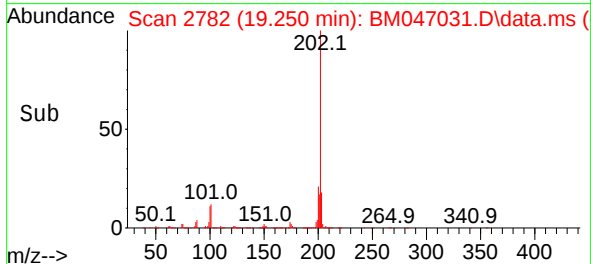
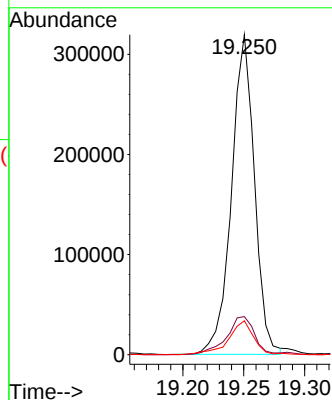
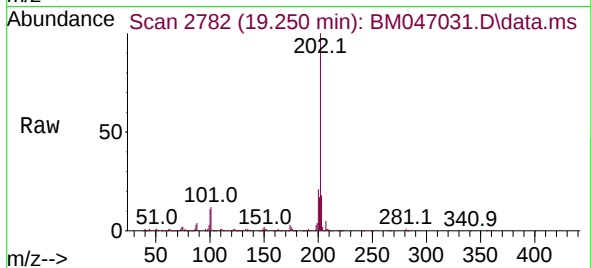
Tgt Ion:202 Resp: 419071

Ion Ratio Lower Upper

202 100

101 11.9 8.7 13.1

100 10.6 6.8 10.2#



#85

Benzo(a)anthracene

Concen: 2.230 ng/ul

RT: 21.027 min Scan# 3084

Delta R.T. -0.000 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

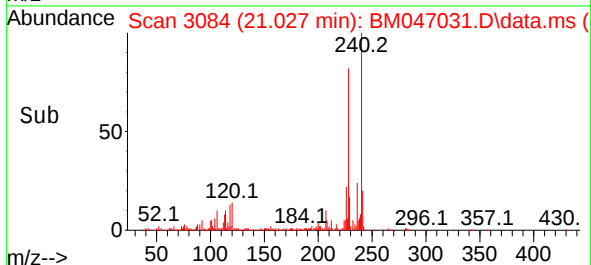
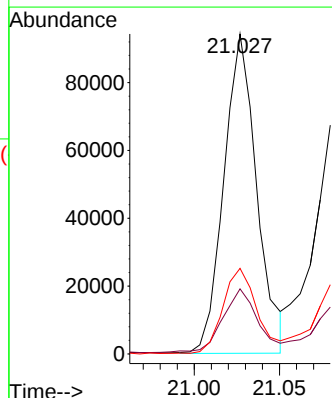
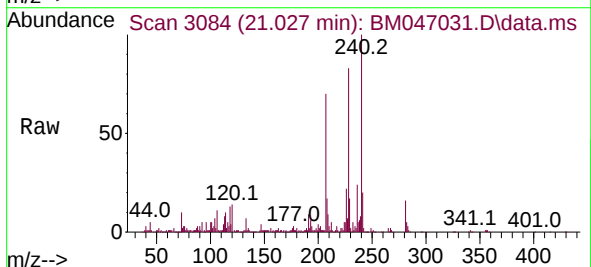
Tgt Ion:228 Resp: 126538

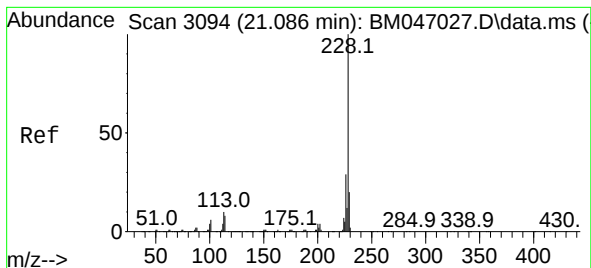
Ion Ratio Lower Upper

228 100

229 20.4 15.5 23.3

226 26.7 21.2 31.8





#87

Chrysene

Concen: 1.902 ng/ul

RT: 21.080 min Scan# 3094

Delta R.T. -0.006 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Instrument :

BNA_M

ClientSampleId :

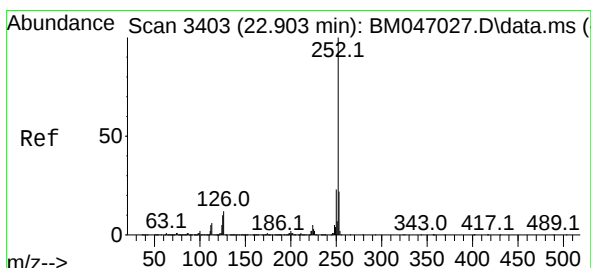
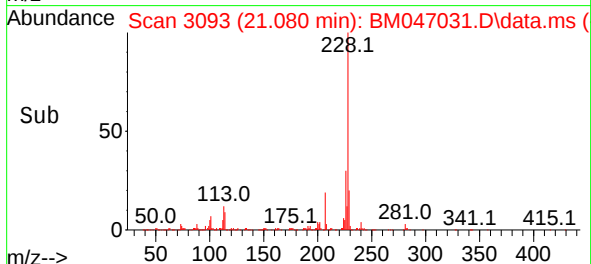
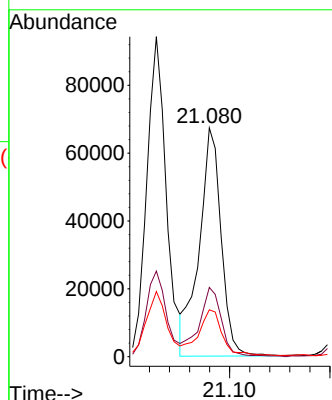
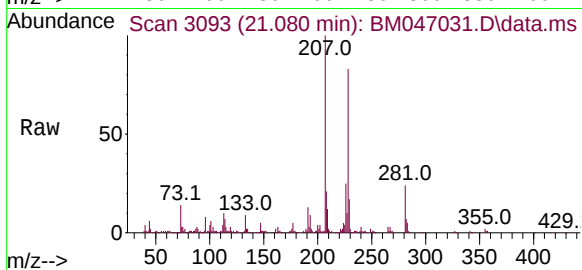
Tgt Ion:228 Resp: 102933

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 20.5 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 1.173 ng/ul

RT: 22.903 min Scan# 3403

Delta R.T. -0.000 min

Lab File: BM047031.D

Acq: 06 Aug 2024 20:35

Tgt Ion:252 Resp: 67646

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 11.0 7.0 10.6#

