

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037887.D
 Acq On : 08 Dec 2022 15:22
 Operator : CG/JU
 Sample : N5832-22 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 08 22:39:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 08 01:49:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.086	152	319233	20.000	ng/ul	0.00
20) Naphthalene-d8	10.910	136	1314250	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.715	164	739767	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.456	188	1423457	20.000	ng/ul	0.00
79) Chrysene-d12	21.627	240	949084	20.000	ng/ul	0.00
88) Perylene-d12	24.115	264	1096493	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	1792	0.255	ng/uL	0.00
4) Pyridine-d5	3.869	84	594	0.028	ng/ul	0.00
7) Phenol-d5	7.239	99	52508	2.024	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	32335	2.047	ng/ul	0.00
11) 2-Chlorophenol-d4	7.616	132	42895	2.016	ng/ul	0.00
15) 4-Methylphenol-d8	8.798	113	39476	1.949	ng/ul	0.00
21) Nitrobenzene-d5	9.263	128	21225	2.040	ng/ul	0.00
24) 2-Nitrophenol-d4	9.986	143	21656	1.986	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.527	165	40247	1.943	ng/ul	0.00
31) 4-Chloroaniline-d4	11.045	131	55913	1.956	ng/ul	0.00
46) Dimethylphthalate-d6	14.121	166	115113	2.183	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	133808	2.076	ng/ul	0.00
54) 4-Nitrophenol-d4	14.915	143	12483	1.389	ng/ul	0.00
60) Fluorene-d10	15.704	176	103260	2.198	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.821	200	7549	0.992	ng/ul	0.00
73) Anthracene-d10	17.556	188	154548	2.326	ng/ul	0.00
81) Pyrene-d10	19.839	212	148231	2.600	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.950	264	123226	2.250	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.957	128	247239	3.486	ng/ul	99
32) 4-Chloroaniline	10.963	127	31387	1.101	ng/ul#	1
36) 2-Methylnaphthalene	12.557	142	103664	2.254	ng/ul	97
37) 1-Methylnaphthalene	12.774	142	58114	1.235	ng/ul	98
50) Acenaphthylene	14.445	152	192456	2.715	ng/ul	98
52) Acenaphthene	14.780	153	114574	2.337	ng/ul	99
56) Dibenzofuran	15.110	168	556287	8.311	ng/ul	99
61) Fluorene	15.757	166	123814	2.268	ng/ul	99
71) Pentachlorophenol	17.104	266	13358	1.290	ng/ul#	85
72) Phenanthrene	17.503	178	4956596	63.763	ng/ul	99
74) Anthracene	17.592	178	1223004	15.481	ng/ul	99
77) Carbazole	17.856	167	336608	4.918	ng/ul	100
80) Fluoranthene	19.509	202	4538198	67.448	ng/ul	99
82) Pyrene	19.868	202	2910700	41.566	ng/ul	99
85) Benzo(a)anthracene	21.609	228	946437	14.812	ng/ul	99
87) Chrysene	21.668	228	1499249	25.008	ng/ul	98
90) Benzo(b)fluoranthene	23.356	252	1782740	26.225	ng/ul	98
91) Benzo(k)fluoranthene	23.356	252	1782740	27.060	ng/ul	98
93) Benzo(a)pyrene	24.003	252	647103	10.825	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.709	276	645484	8.384	ng/ul	96
95) Dibenzo(a,h)anthracene	26.709	278	165785	2.554	ng/ul#	84
96) Benzo(g,h,i)perylene	27.515	276	520579	8.469	ng/ul	98

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Response via : Initial Calibration

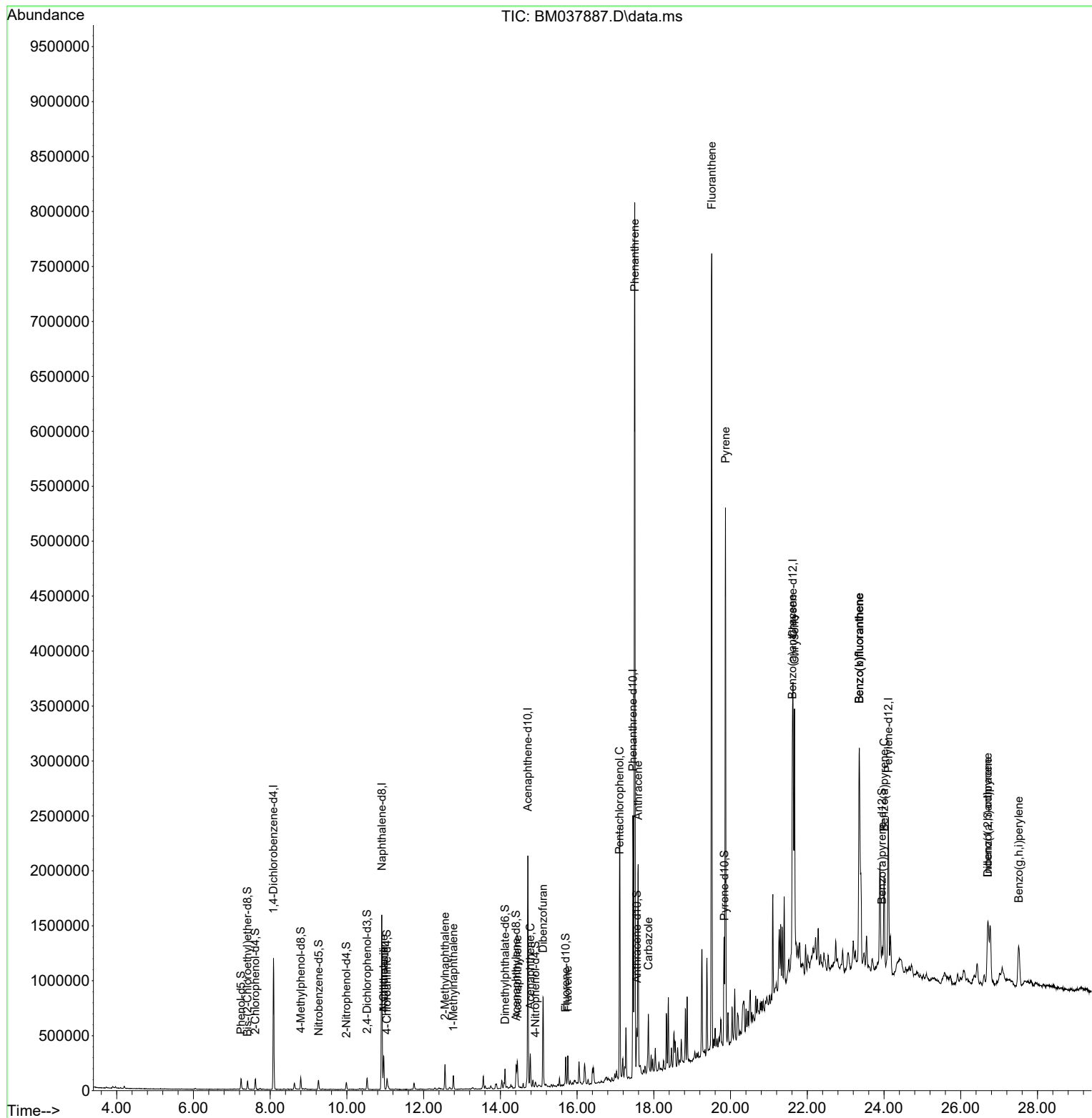
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

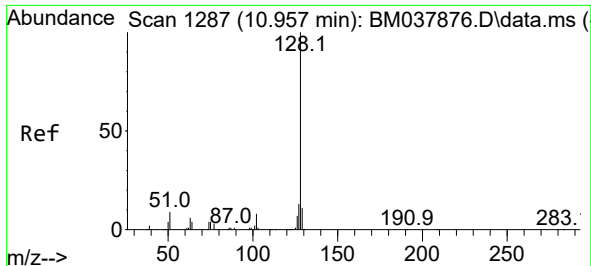
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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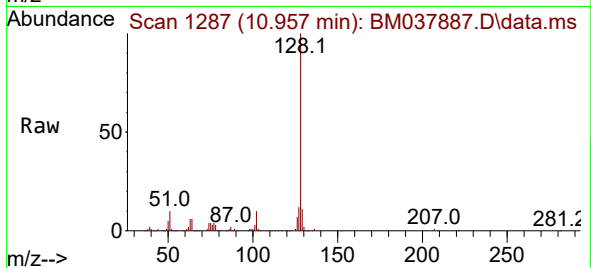
Quant Time: Dec 08 22:39:29 2022
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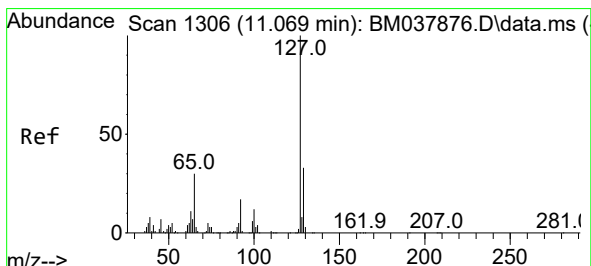
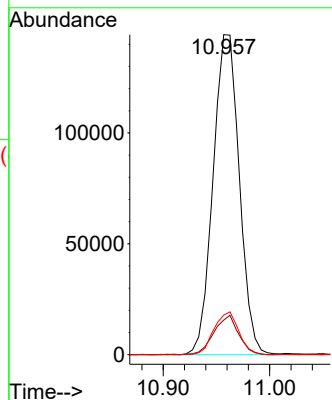
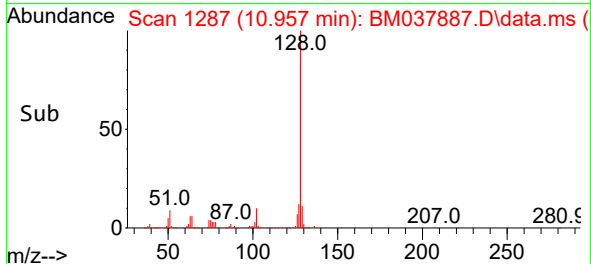


#30
Naphthalene
Concen: 3.486 ng/ul
RT: 10.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

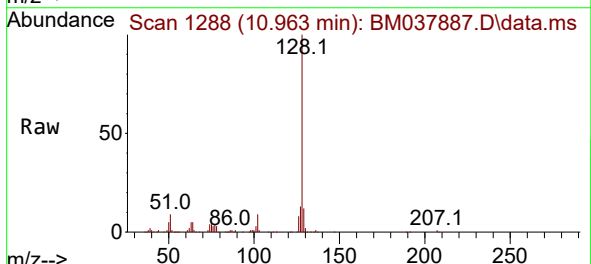
Instrument :
BNA_M
ClientSampleId :



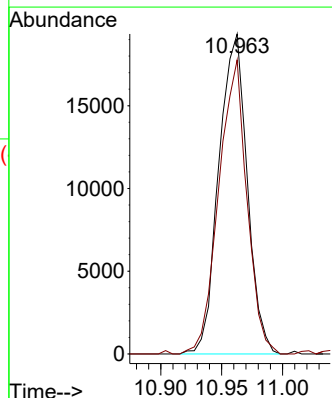
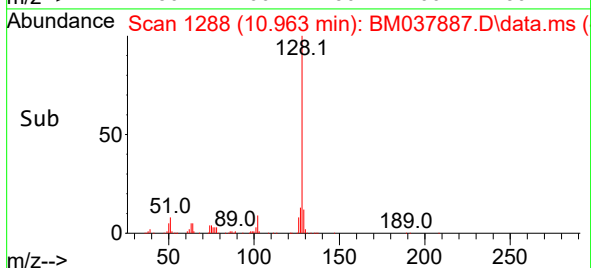
Tgt Ion:128 Resp: 247239
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.4 10.4 15.6

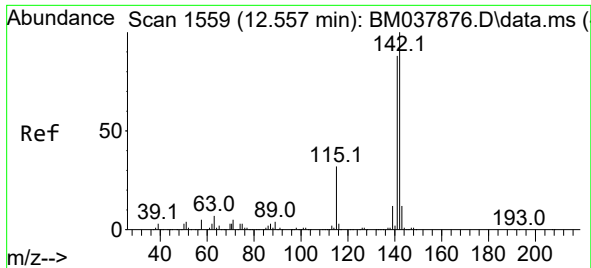


#32
4-Chloroaniline
Concen: 1.101 ng/ul
RT: 10.963 min Scan# 1288
Delta R.T. -0.106 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22



Tgt Ion:127 Resp: 31387
Ion Ratio Lower Upper
127 100
129 91.9 25.3 37.9#

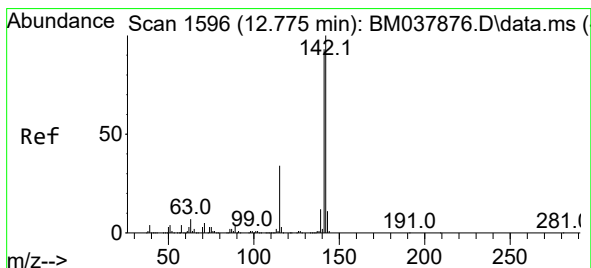
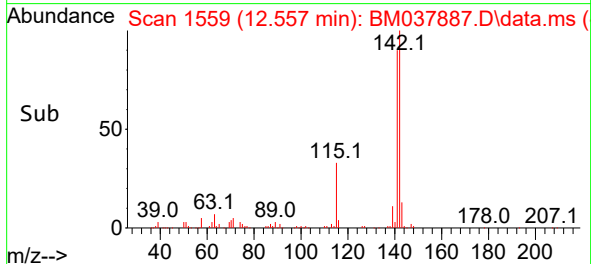
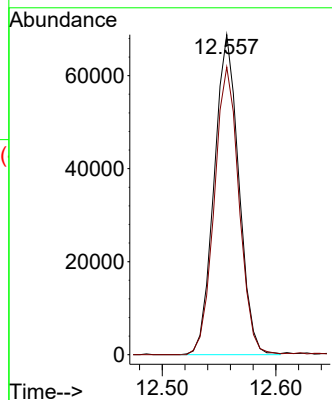
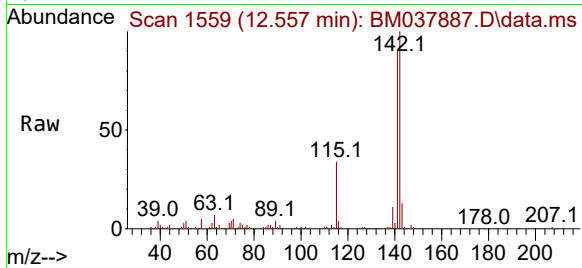




#36
2-Methylnaphthalene
Concen: 2.254 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

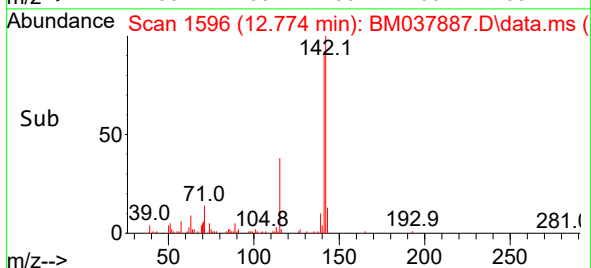
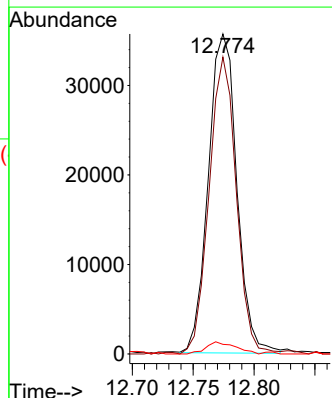
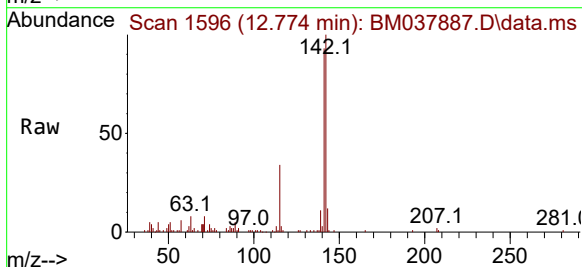
Instrument :
BNA_M
ClientSampleId :

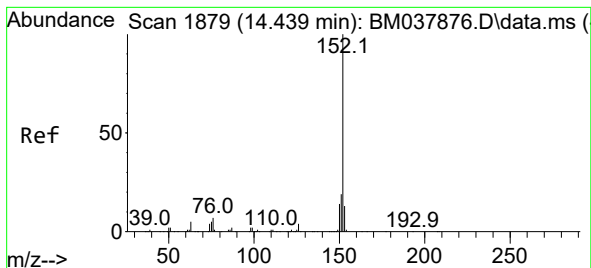
Tgt Ion:142 Resp: 103664
Ion Ratio Lower Upper
142 100
141 89.9 69.4 104.0



#37
1-Methylnaphthalene
Concen: 1.235 ng/ul
RT: 12.774 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

Tgt Ion:142 Resp: 58114
Ion Ratio Lower Upper
142 100
141 92.7 72.4 108.6
116 3.0 2.9 4.3





#50

Acenaphthylene

Concen: 2.715 ng/ul

RT: 14.445 min Scan# 1879

Delta R.T. -0.000 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

Instrument :

BNA_M

ClientSampleId :

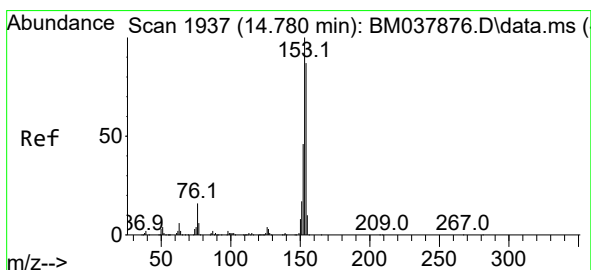
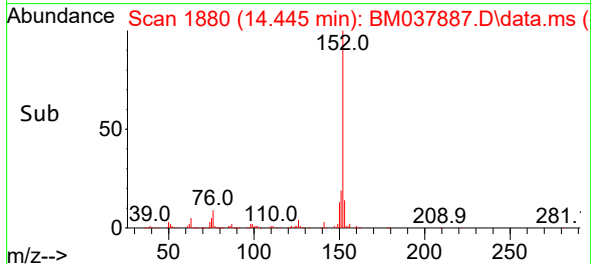
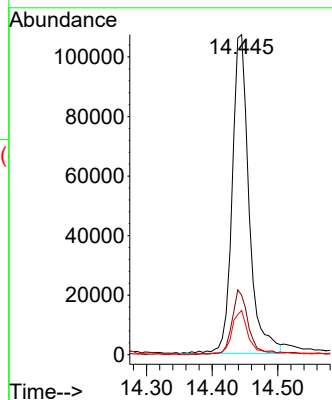
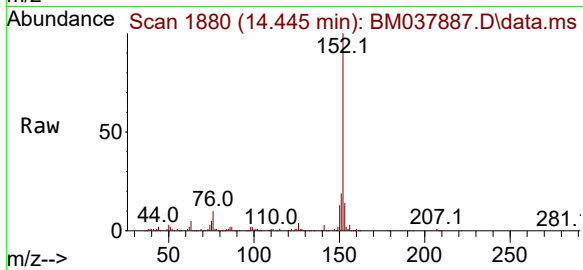
Tgt Ion:152 Resp: 192456

Ion Ratio Lower Upper

152 100

151 18.6 15.3 22.9

153 13.8 10.2 15.4



#52

Acenaphthene

Concen: 2.337 ng/ul

RT: 14.780 min Scan# 1937

Delta R.T. -0.000 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

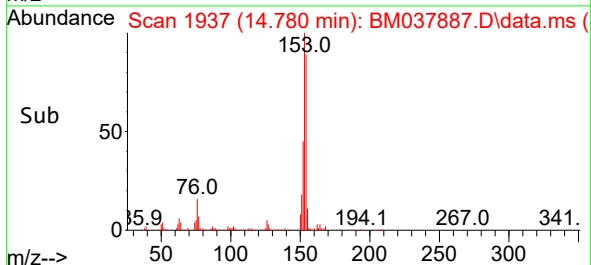
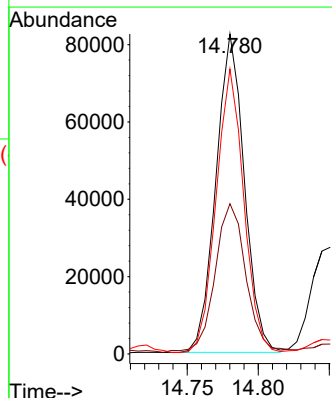
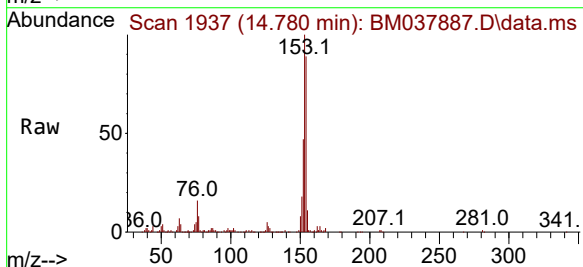
Tgt Ion:153 Resp: 114574

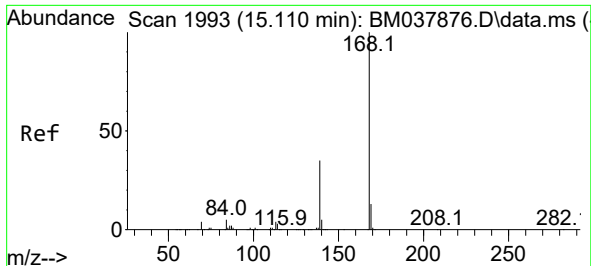
Ion Ratio Lower Upper

153 100

152 47.0 38.2 57.4

154 89.0 71.4 107.0

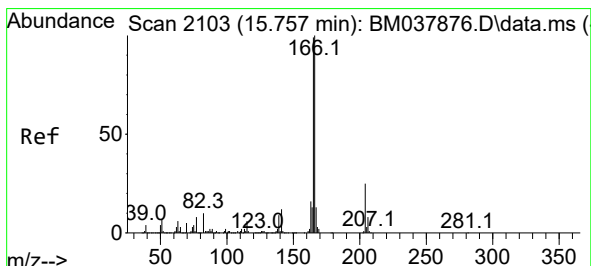
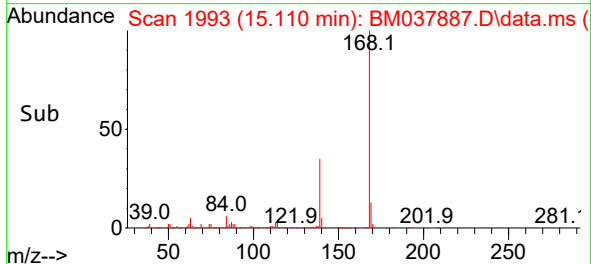
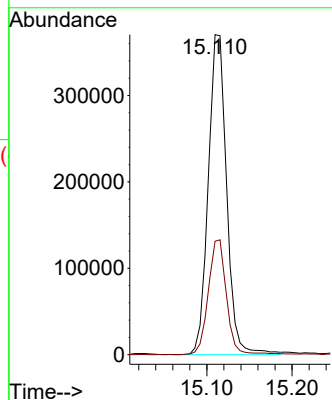
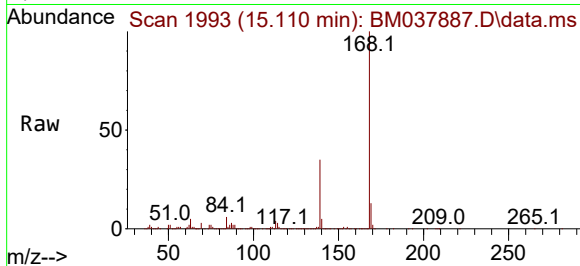




#56
Dibenzenofuran
Concen: 8.311 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

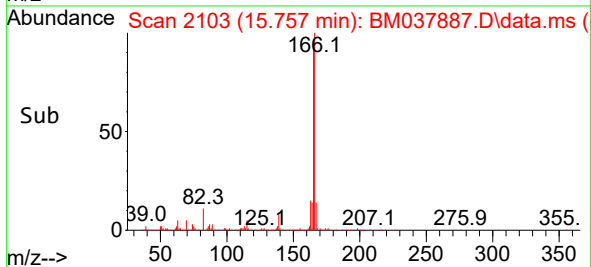
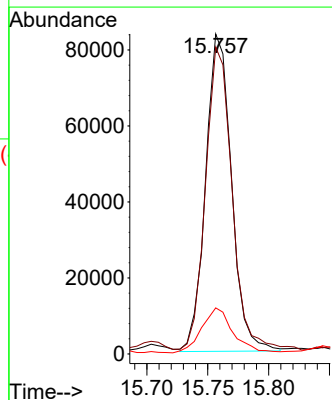
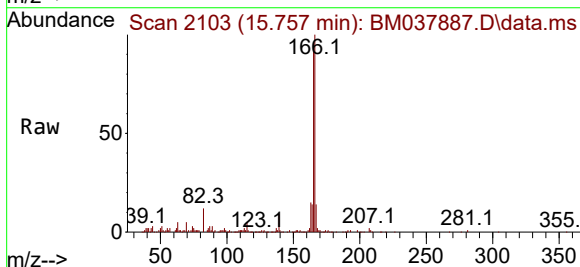
Instrument :
BNA_M
ClientSampleId :

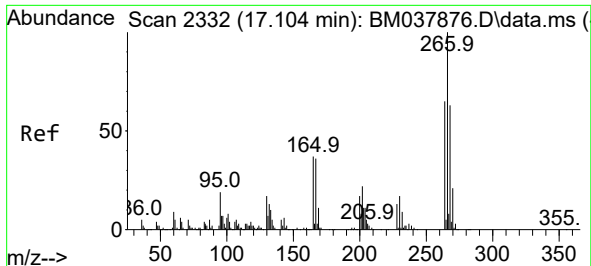
Tgt Ion:168 Resp: 556287
Ion Ratio Lower Upper
168 100
139 35.5 28.1 42.1



#61
Fluorene
Concen: 2.268 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

Tgt Ion:166 Resp: 123814
Ion Ratio Lower Upper
166 100
165 95.9 77.2 115.8
167 14.4 10.4 15.6

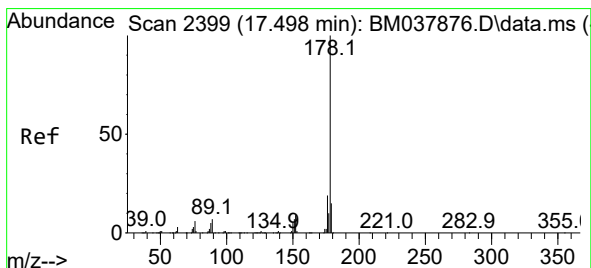
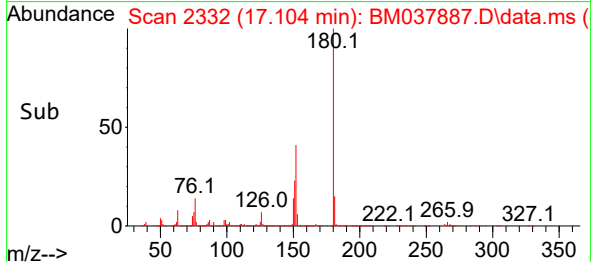
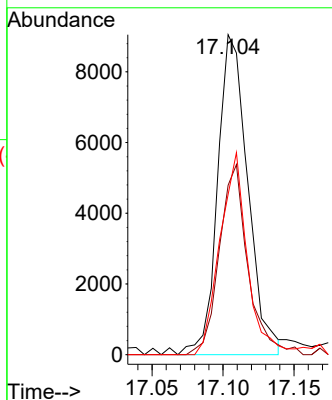
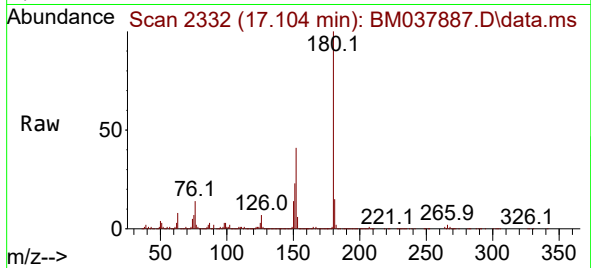




#71
 Pentachlorophenol
 Concen: 1.290 ng/ul
 RT: 17.104 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM037887.D
 Acq: 08 Dec 2022 15:22

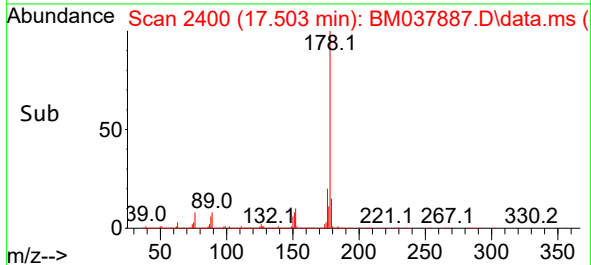
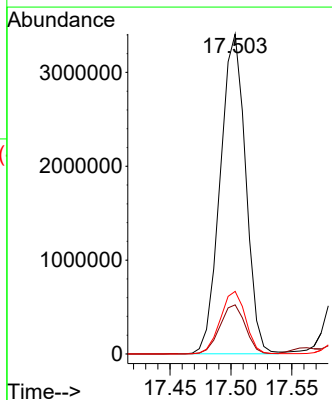
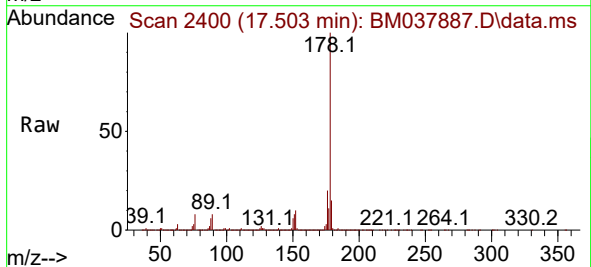
Instrument :
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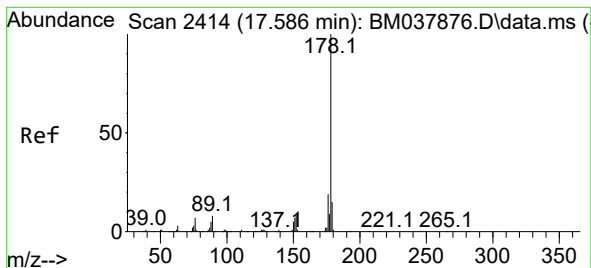
Tgt Ion:266 Resp: 13358
 Ion Ratio Lower Upper
 266 100
 264 52.9 50.1 75.1
 268 50.1 50.6 75.8#



#72
 Phenanthrene
 Concen: 63.763 ng/ul
 RT: 17.503 min Scan# 2400
 Delta R.T. 0.006 min
 Lab File: BM037887.D
 Acq: 08 Dec 2022 15:22

Tgt Ion:178 Resp: 4956596
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.2
 176 19.6 15.4 23.0





#74

Anthracene

Concen: 15.481 ng/ul

RT: 17.592 min Scan# 2414

Delta R.T. -0.000 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

Instrument :

BNA_M

ClientSampleId :

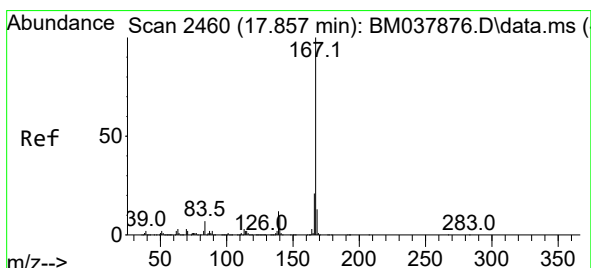
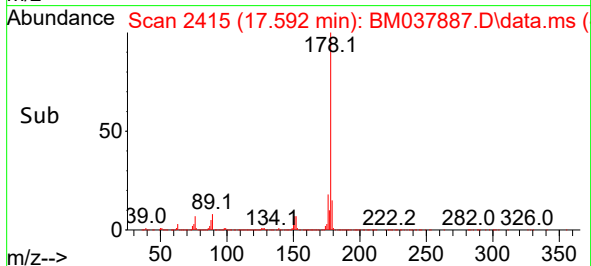
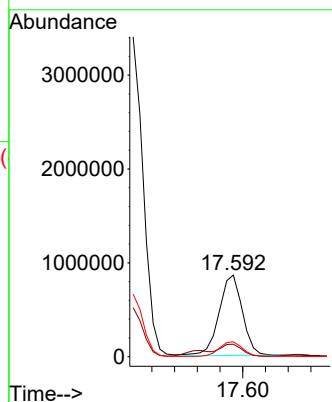
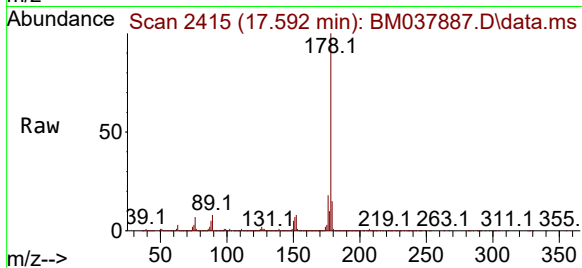
Tgt Ion:178 Resp: 1223004

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

176 18.3 15.0 22.6



#77

Carbazole

Concen: 4.918 ng/ul

RT: 17.856 min Scan# 2460

Delta R.T. -0.000 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

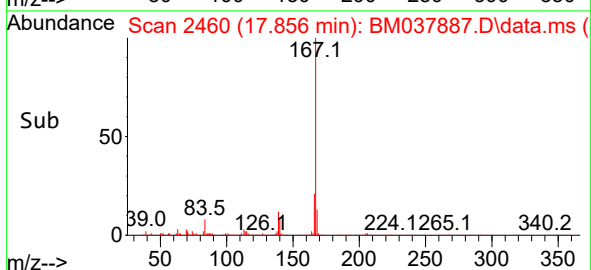
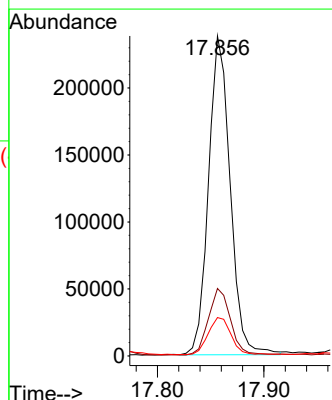
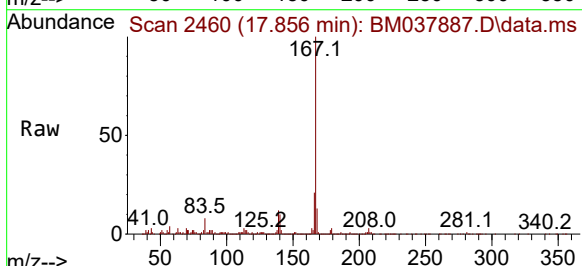
Tgt Ion:167 Resp: 336608

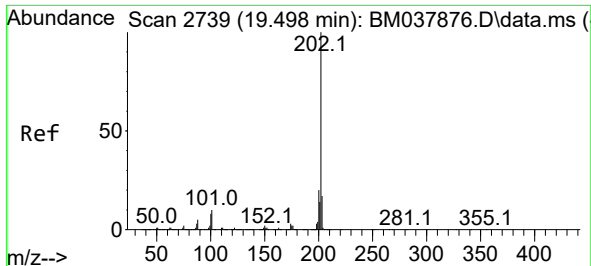
Ion Ratio Lower Upper

167 100

166 21.1 16.7 25.1

139 12.0 9.8 14.6

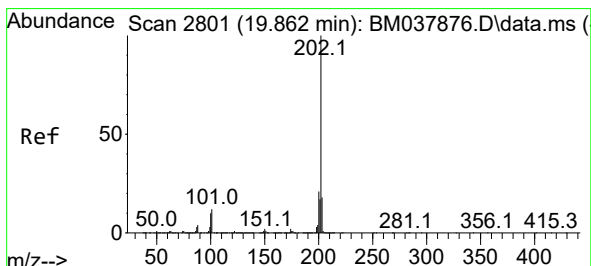
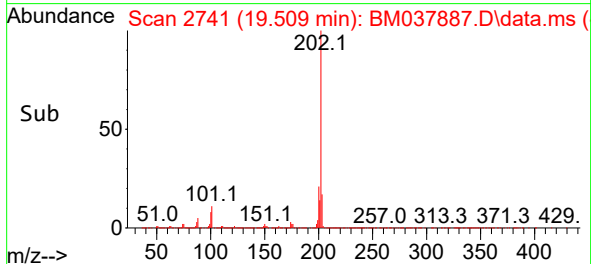
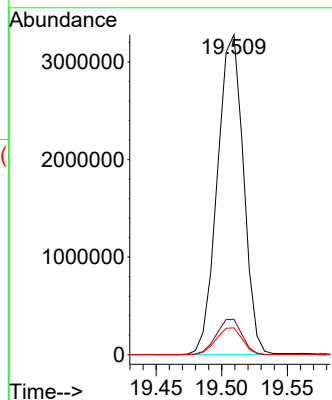
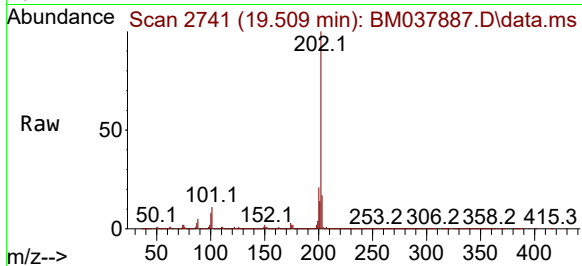




#80
Fluoranthene
Concen: 67.448 ng/ul
RT: 19.509 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

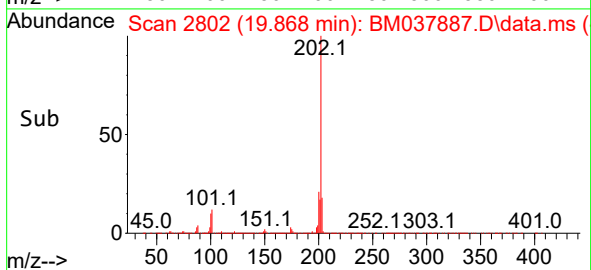
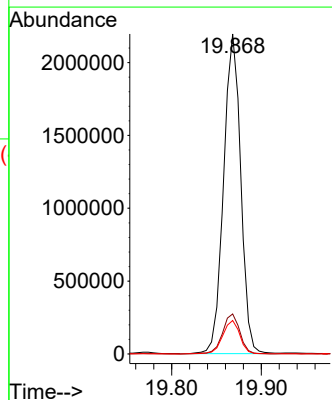
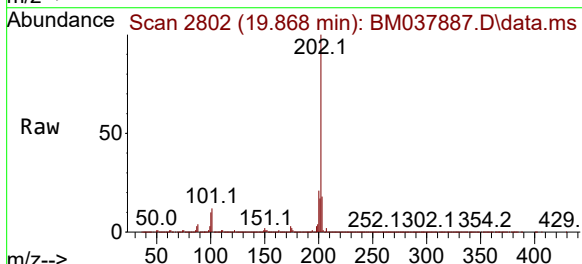
Instrument :
BNA_M
ClientSampleId :

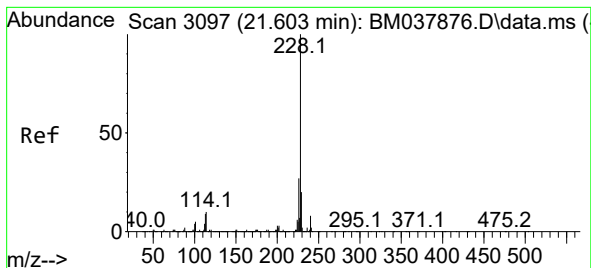
Tgt Ion:202 Resp: 4538198
Ion Ratio Lower Upper
202 100
101 11.1 8.6 13.0
100 8.4 6.6 10.0



#82
Pyrene
Concen: 41.566 ng/ul
RT: 19.868 min Scan# 2802
Delta R.T. -0.000 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

Tgt Ion:202 Resp: 2910700
Ion Ratio Lower Upper
202 100
101 12.5 10.0 15.0
100 10.4 7.9 11.9





#85

Benzo(a)anthracene

Concen: 14.812 ng/ul

RT: 21.609 min Scan# 3098

Delta R.T. -0.000 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

Instrument :

BNA_M

ClientSampleId :

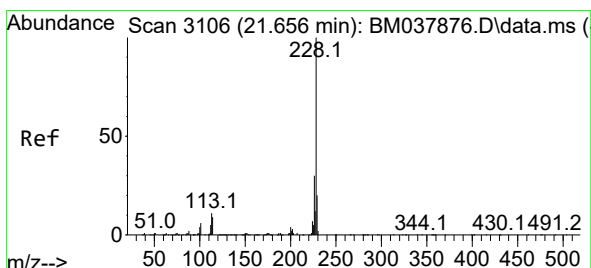
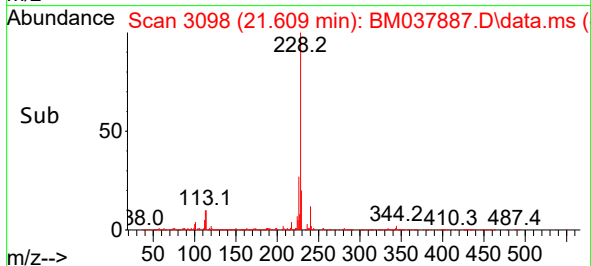
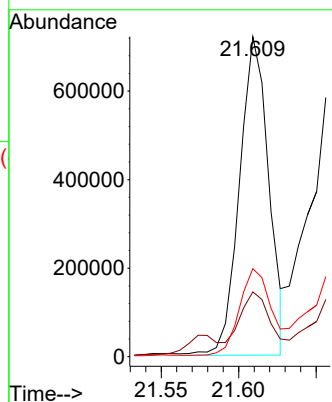
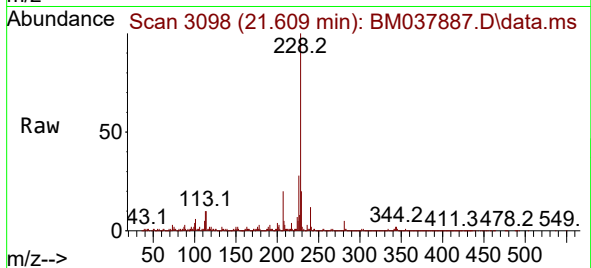
Tgt Ion:228 Resp: 946437

Ion Ratio Lower Upper

228 100

229 20.3 15.5 23.3

226 27.5 21.8 32.8



#87

Chrysene

Concen: 25.008 ng/ul

RT: 21.668 min Scan# 3108

Delta R.T. 0.006 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

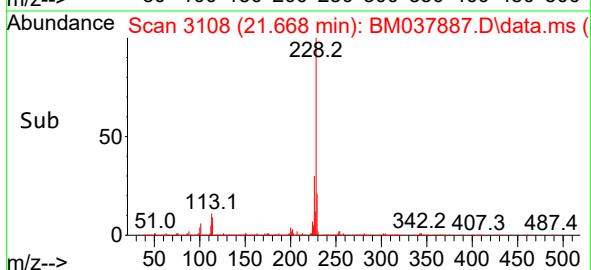
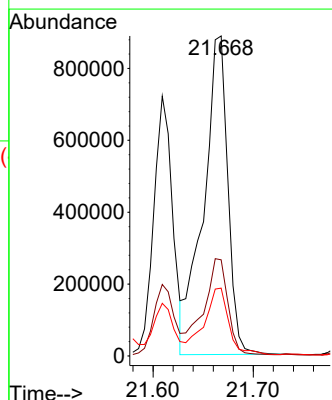
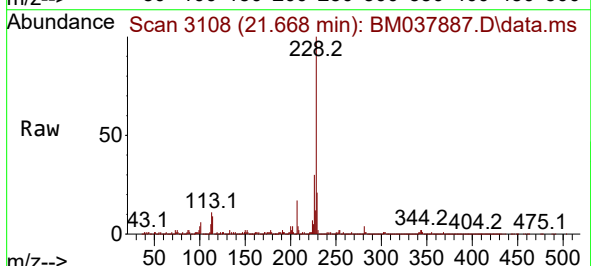
Tgt Ion:228 Resp: 1499249

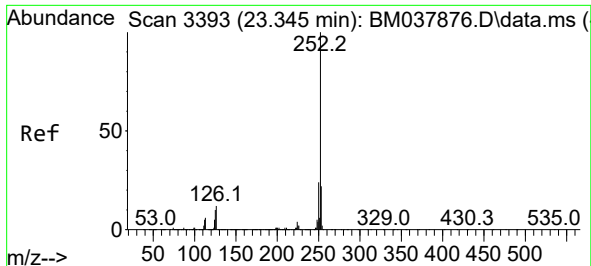
Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 21.2 15.6 23.4

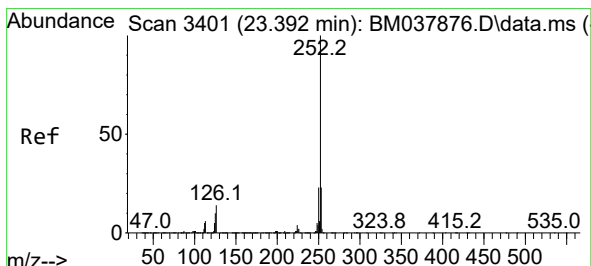
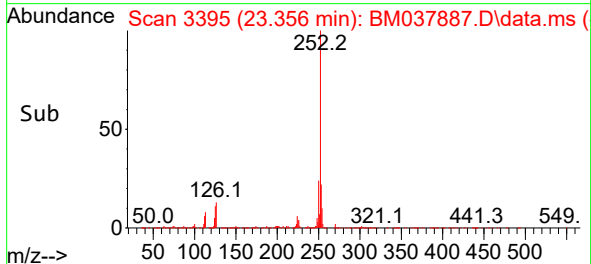
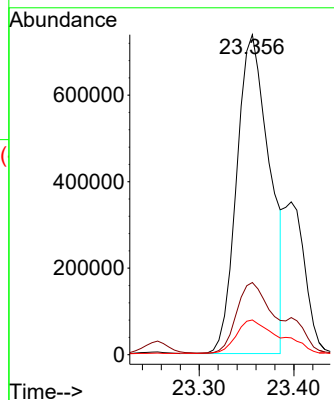
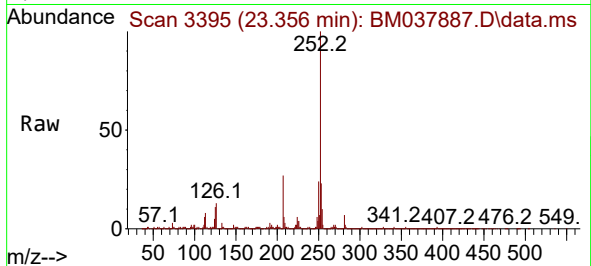




#90
Benzo(b)fluoranthene
Concen: 26.225 ng/ul
RT: 23.356 min Scan# 3395
Delta R.T. 0.012 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

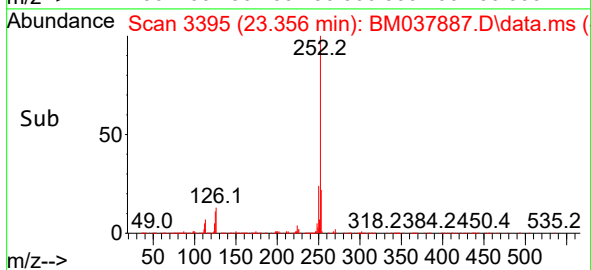
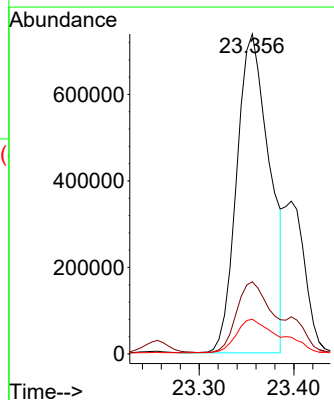
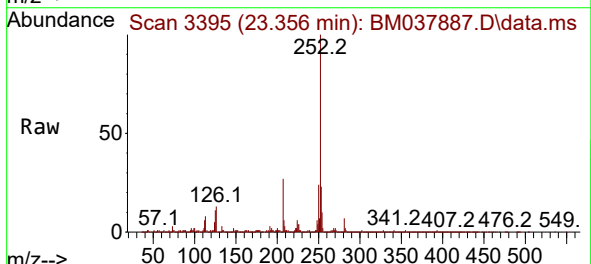
Instrument :
BNA_M
ClientSampleId :

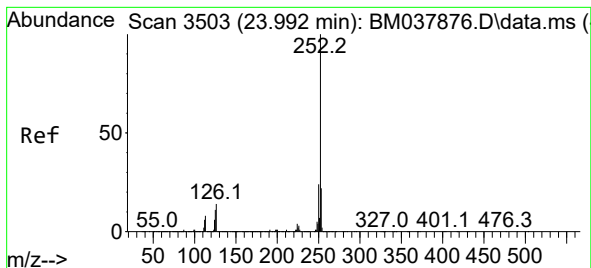
Tgt Ion:252 Resp: 1782740
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 10.9 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 27.060 ng/ul
RT: 23.356 min Scan# 3395
Delta R.T. -0.041 min
Lab File: BM037887.D
Acq: 08 Dec 2022 15:22

Tgt Ion:252 Resp: 1782740
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 10.9 8.1 12.1





#93

Benzo(a)pyrene

Concen: 10.825 ng/ul

RT: 24.003 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

Instrument :

BNA_M

ClientSampleId :

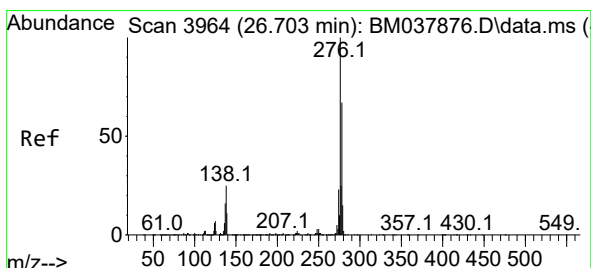
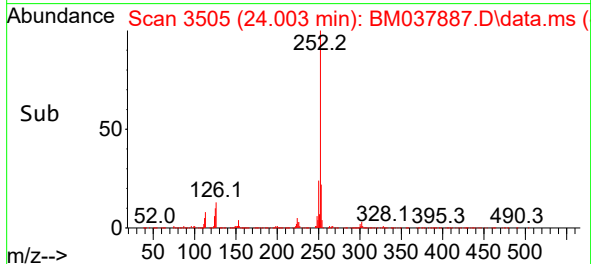
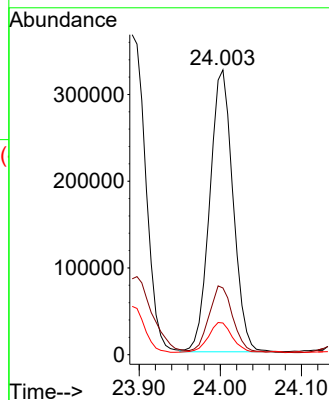
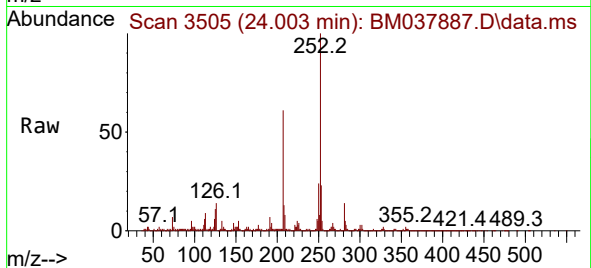
Tgt Ion:252 Resp: 647103

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 11.2 9.4 14.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.384 ng/ul

RT: 26.709 min Scan# 3965

Delta R.T. -0.000 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

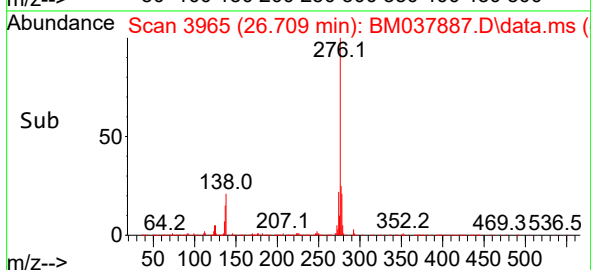
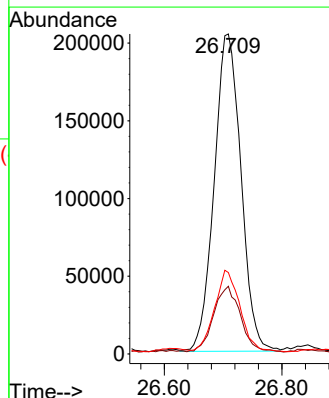
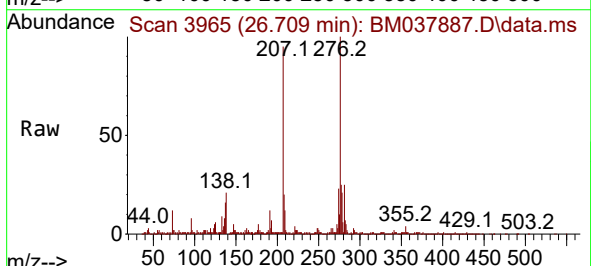
Tgt Ion:276 Resp: 645484

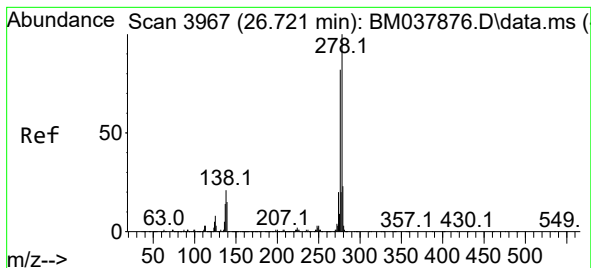
Ion Ratio Lower Upper

276 100

138 21.2 19.3 28.9

277 25.4 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 2.554 ng/ul

RT: 26.709 min Scan# 3965

Delta R.T. -0.018 min

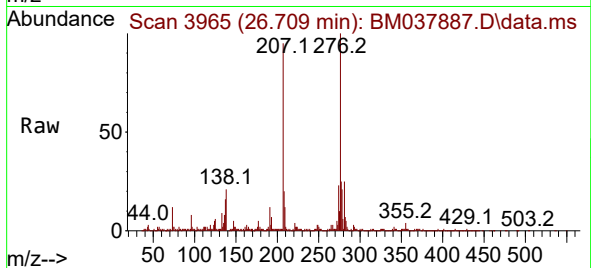
Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

Instrument :

BNA_M

ClientSampleId :



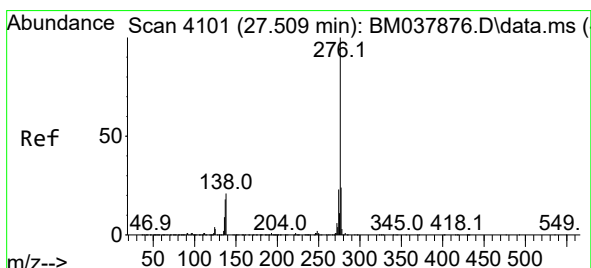
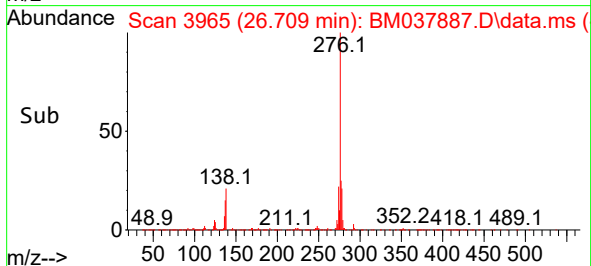
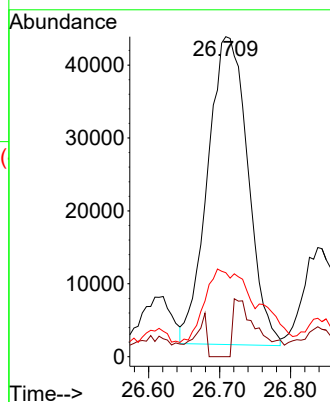
Tgt Ion:278 Resp: 165785

Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

279 26.3 19.8 29.6



#96

Benzo(g,h,i)perylene

Concen: 8.469 ng/ul

RT: 27.515 min Scan# 4102

Delta R.T. -0.000 min

Lab File: BM037887.D

Acq: 08 Dec 2022 15:22

Tgt Ion:276 Resp: 520579

Ion Ratio Lower Upper

276 100

138 20.4 17.1 25.7

277 23.4 18.2 27.4

