

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037936.D
 Acq On : 10 Dec 2022 16:04
 Operator : CG/JU
 Sample : N5896-12ME
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN0ME

Quant Time: Dec 11 21:27:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	189675	20.000	ng/ul	0.00
20) Naphthalene-d8	10.898	136	703436	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	392259	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	835431	20.000	ng/ul	0.00
79) Chrysene-d12	21.621	240	835185	20.000	ng/ul	0.00
88) Perylene-d12	24.103	264	960580	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	22617	5.414	ng/uL	0.00
4) Pyridine-d5	3.857	84	304850	24.600	ng/ul	0.00
7) Phenol-d5	7.228	99	465164	30.180	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.398	67	294655	31.395	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	411516	32.547	ng/ul	0.00
15) 4-Methylphenol-d8	8.786	113	381940	31.745	ng/ul	0.00
21) Nitrobenzene-d5	9.251	128	206285	37.038	ng/ul	0.00
24) 2-Nitrophenol-d4	9.975	143	220572	37.791	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.510	165	389882	35.169	ng/ul	-0.01
31) 4-Chloroaniline-d4	11.033	131	500134	32.682	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	1141488	40.818	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	1360426	39.803	ng/ul	0.00
54) 4-Nitrophenol-d4	14.898	143	165147	34.651	ng/ul	0.00
60) Fluorene-d10	15.698	176	1056537	42.405	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	142244	31.846	ng/ul	0.00
73) Anthracene-d10	17.551	188	1574978	40.394	ng/ul	0.00
81) Pyrene-d10	19.833	212	1916041	38.191	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.944	264	1996519	41.612	ng/ul	0.00
Target Compounds	Qvalue					
30) Naphthalene	10.945	128	49544	1.305	ng/ul	97
37) 1-Methylnaphthalene	12.763	142	83754	3.327	ng/ul	99
43) 1,1'-Biphenyl	13.545	154	76636	2.431	ng/ul	97
50) Acenaphthylene	14.433	152	150929	4.016	ng/ul	96
52) Acenaphthene	14.774	153	1435489	55.222	ng/ul	99
56) Dibenzofuran	15.104	168	1108716	31.240	ng/ul	98
61) Fluorene	15.751	166	1550155	53.559	ng/ul	98
63) 4-Nitroaniline	15.751	138	16607	3.425	ng/ul#	27
72) Phenanthrene	17.498	178	5958336	130.600	ng/ul	99
74) Anthracene	17.586	178	4153928	89.593	ng/ul	99
77) Carbazole	17.851	167	971615	24.188	ng/ul	99
80) Fluoranthene	19.503	202	6918868	116.853	ng/ul	99
82) Pyrene	19.868	202	5138576	83.389	ng/ul	99
85) Benzo(a)anthracene	21.603	228	1269319	22.575	ng/ul	98
87) Chrysene	21.662	228	1394172	26.427	ng/ul	99
90) Benzo(b)fluoranthene	23.344	252	1873729	31.464	ng/ul	99
91) Benzo(k)fluoranthene	23.344	252	1873729	32.465	ng/ul	99
93) Benzo(a)pyrene	23.997	252	770592	14.715	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.691	276	421217	6.245	ng/ul	96
95) Dibenzo(a,h)anthracene	26.691	278	110895	1.950	ng/ul#	81
96) Benzo(g,h,i)perylene	27.491	276	322771	5.994	ng/ul	96

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

Instrument :

BNA_M

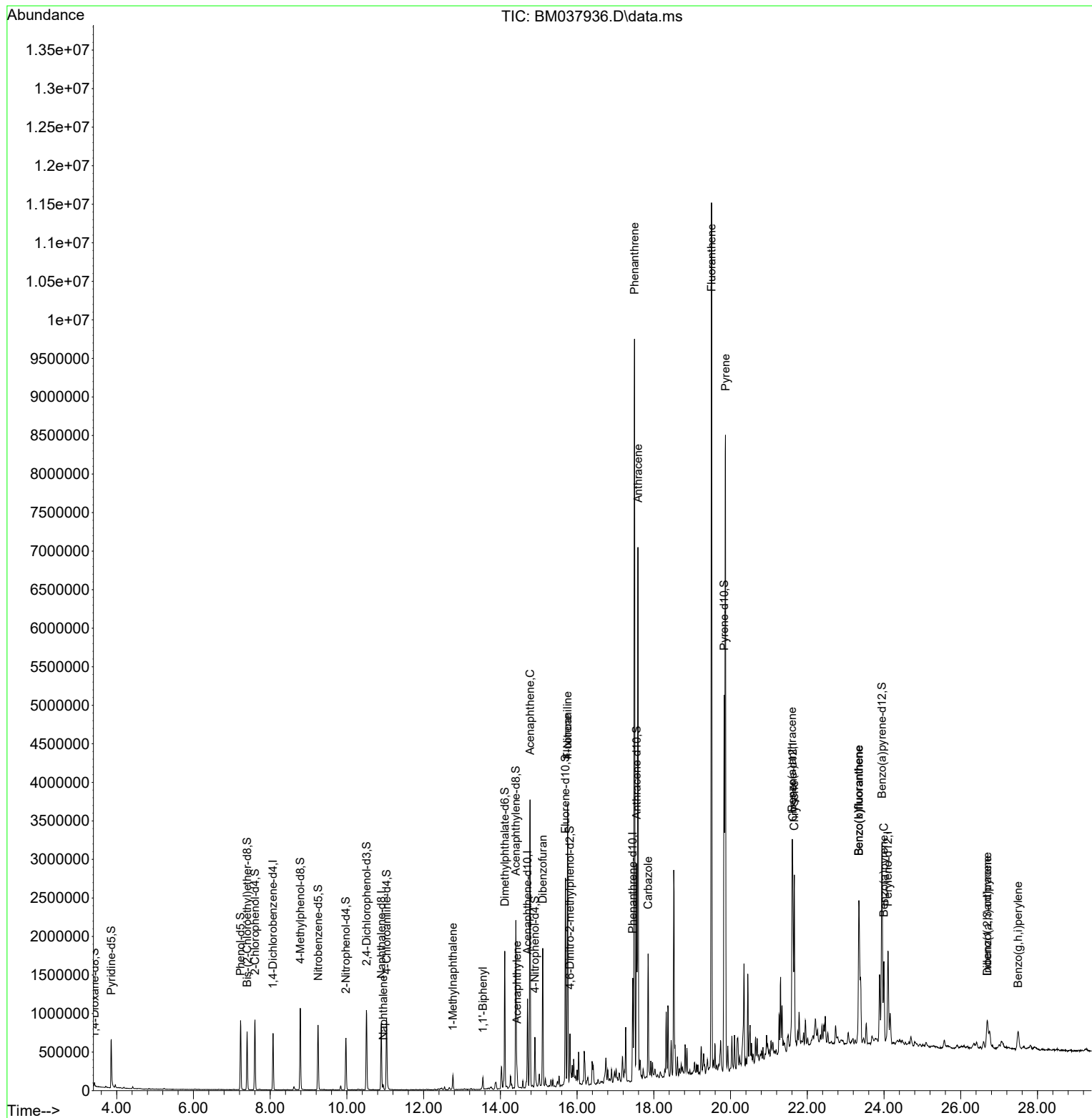
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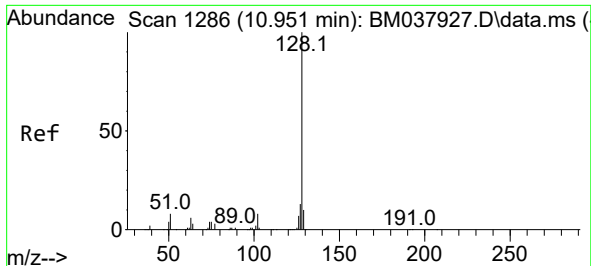
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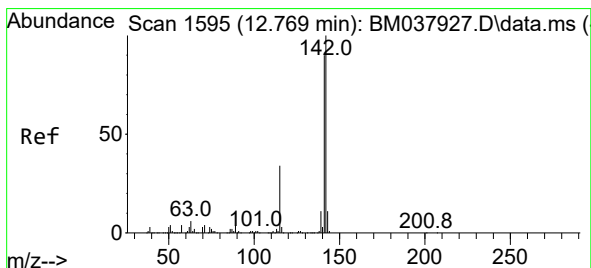
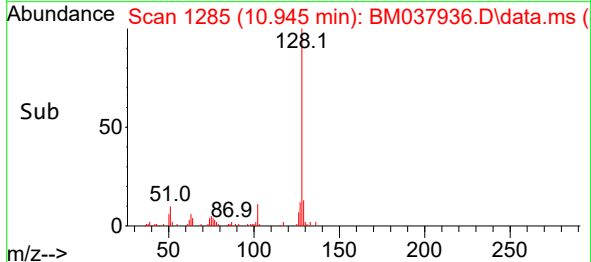
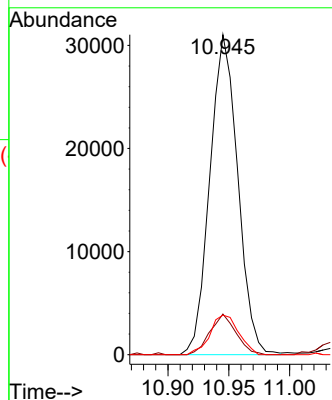
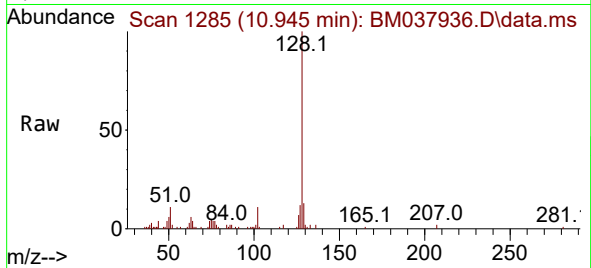




#30
Naphthalene
Concen: 1.305 ng/ul
RT: 10.945 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

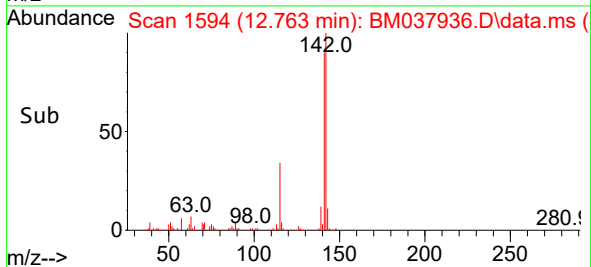
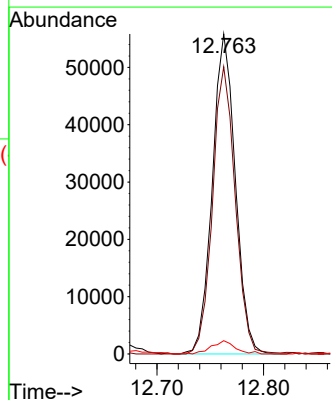
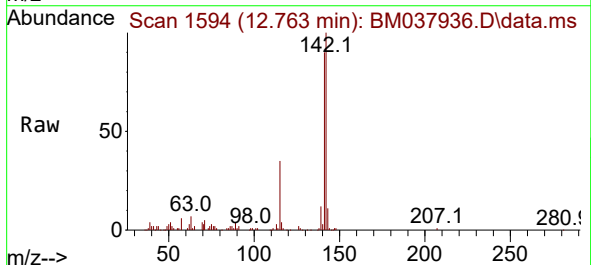
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BNA_M
ClientSampleId :
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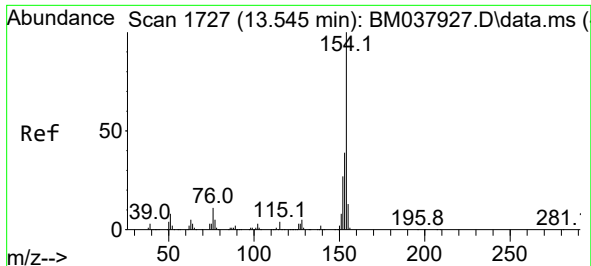
Tgt Ion:128 Resp: 49544
Ion Ratio Lower Upper
128 100
129 12.7 9.0 13.4
127 12.3 10.4 15.6



#37
1-Methylnaphthalene
Concen: 3.327 ng/ul
RT: 12.763 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

Tgt Ion:142 Resp: 83754
Ion Ratio Lower Upper
142 100
141 89.7 72.4 108.6
116 4.1 2.9 4.3

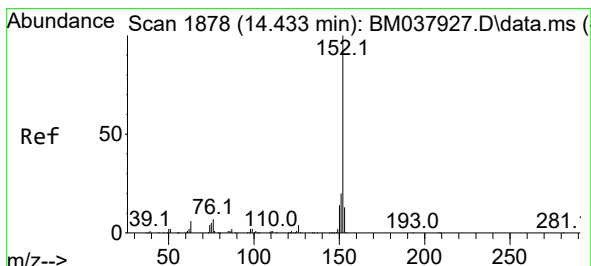
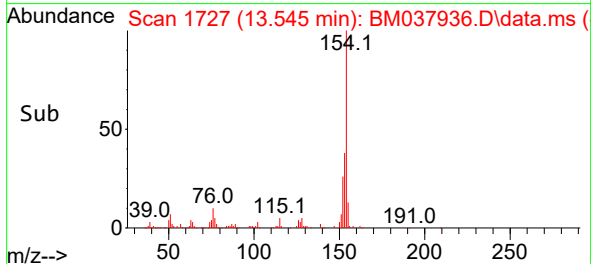
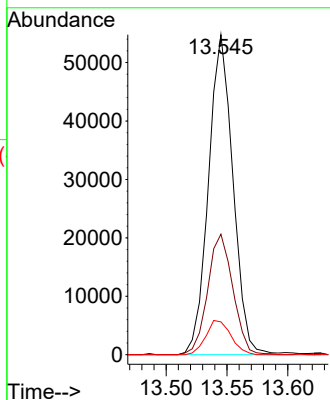
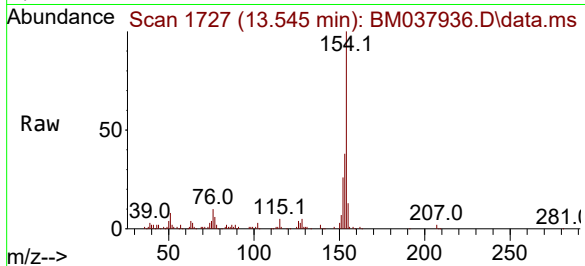




#43
1,1'-Biphenyl
Concen: 2.431 ng/ul
RT: 13.545 min Scan# 1727
Delta R.T. -0.006 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

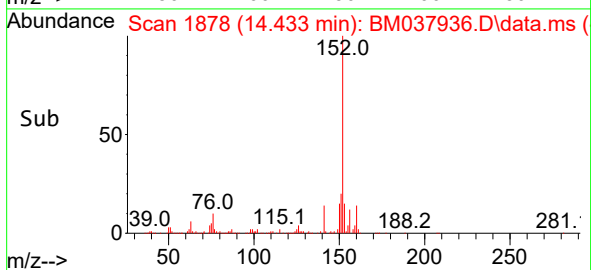
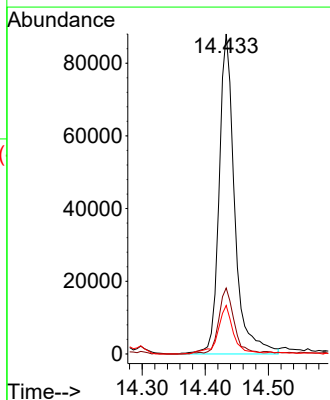
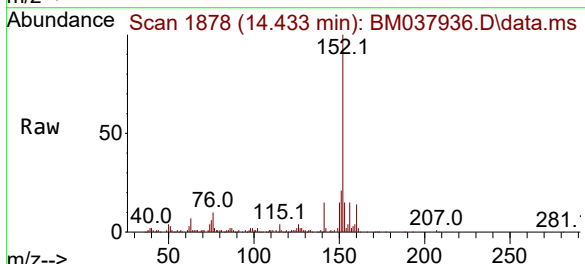
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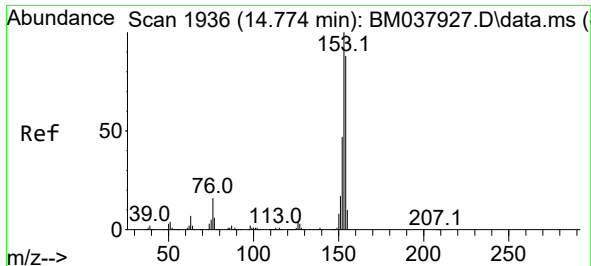
Tgt Ion:154 Resp: 76636
Ion Ratio Lower Upper
154 100
153 37.6 31.2 46.8
76 10.3 9.3 13.9



#50
Acenaphthylene
Concen: 4.016 ng/ul
RT: 14.433 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

Tgt Ion:152 Resp: 150929
Ion Ratio Lower Upper
152 100
151 20.6 15.3 22.9
153 15.2 10.2 15.4

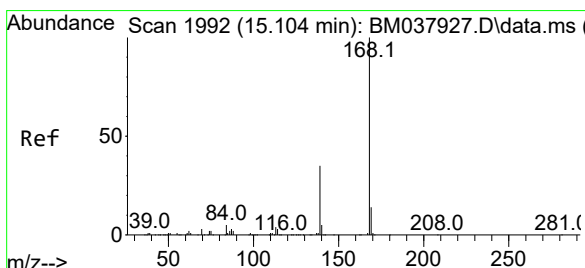
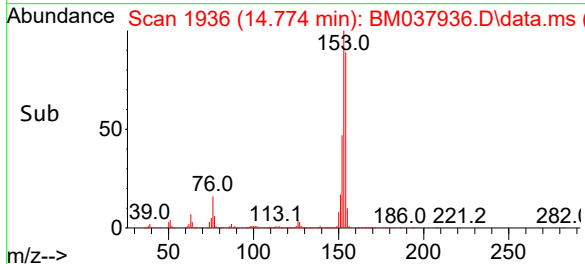
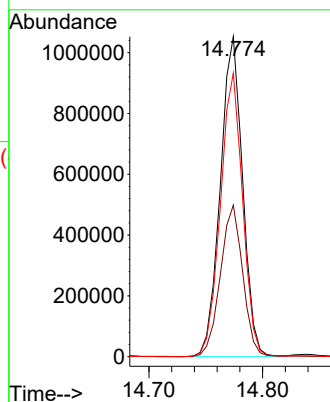
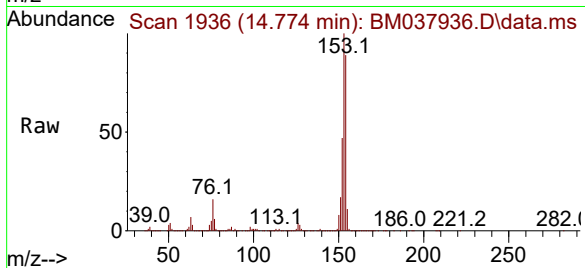




#52
Acenaphthene
Concen: 55.222 ng/ul
RT: 14.774 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

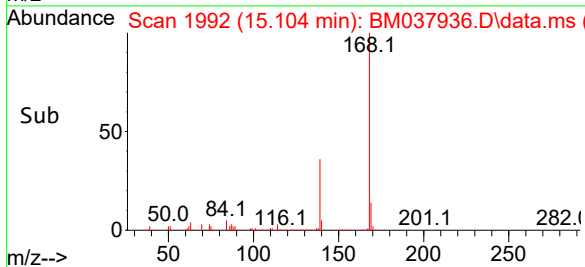
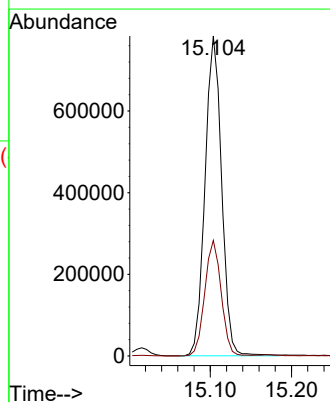
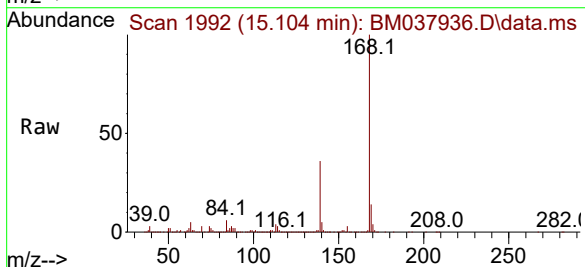
Instrument :
BNA_M
ClientSampleId :
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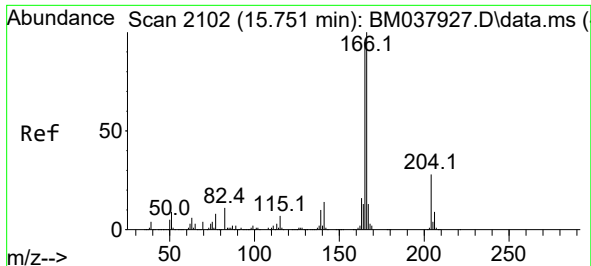
Tgt Ion:153 Resp: 1435489
Ion Ratio Lower Upper
153 100
152 47.4 38.2 57.4
154 88.6 71.4 107.0



#56
Dibenzofuran
Concen: 31.240 ng/ul
RT: 15.104 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

Tgt Ion:168 Resp: 1108716
Ion Ratio Lower Upper
168 100
139 36.1 28.1 42.1

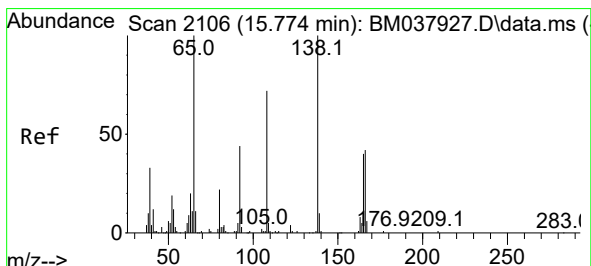
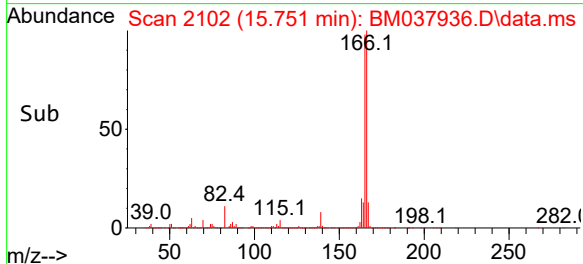
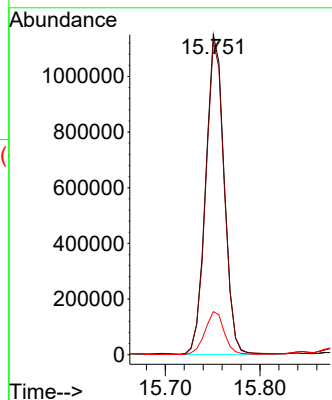
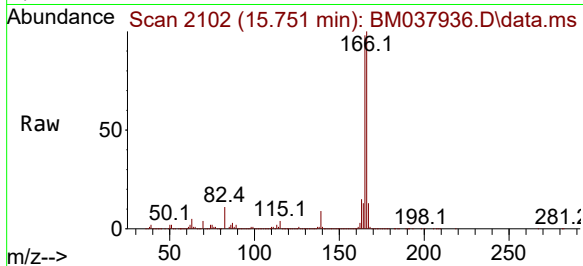




#61
Fluorene
Concen: 53.559 ng/ul
RT: 15.751 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

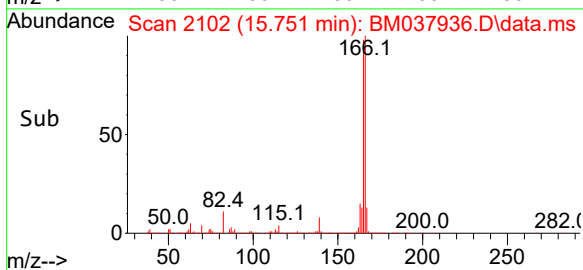
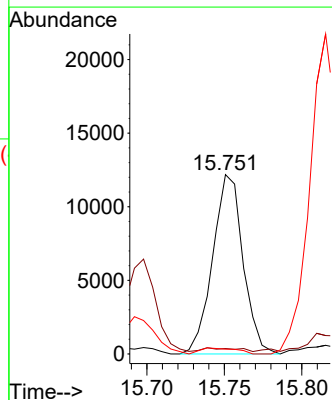
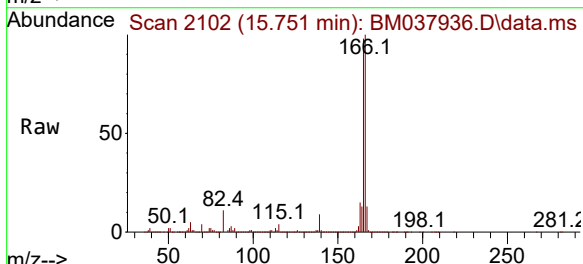
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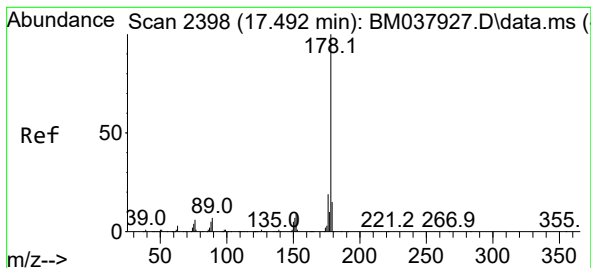
Tgt Ion:166 Resp: 1550155
Ion Ratio Lower Upper
166 100
165 98.1 77.2 115.8
167 13.5 10.4 15.6



#63
4-Nitroaniline
Concen: 3.425 ng/ul
RT: 15.751 min Scan# 2102
Delta R.T. -0.024 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

Tgt Ion:138 Resp: 16607
Ion Ratio Lower Upper
138 100
92 3.0 36.1 54.1#
108 2.7 51.6 77.4#





#72

Phenanthrene

Concen: 130.600 ng/ul

RT: 17.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM037936.D

Acq: 10 Dec 2022 16:04

Instrument :

BNA_M

ClientSampleId :

DBXN0ME

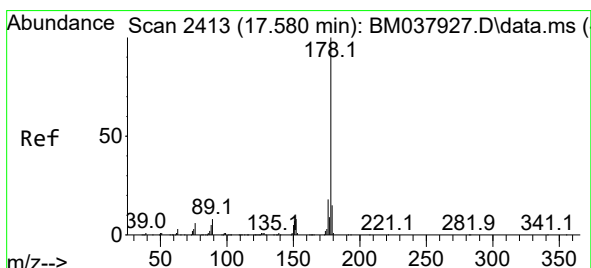
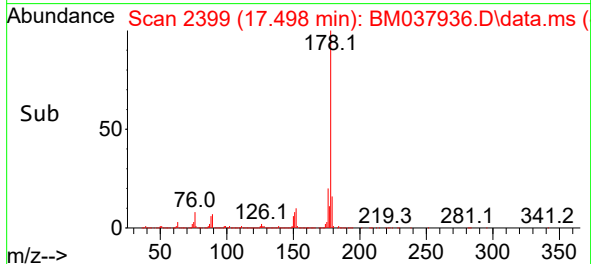
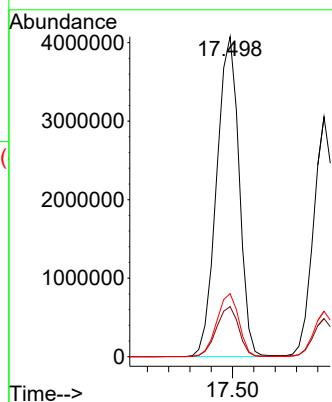
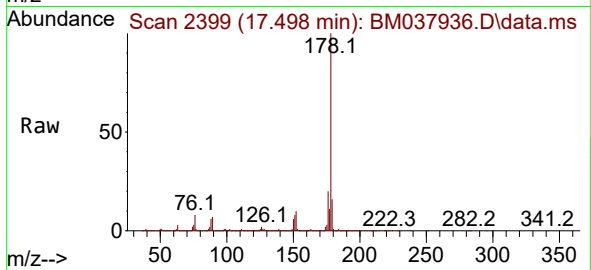
Tgt Ion:178 Resp: 5958336

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

176 19.7 15.4 23.0



#74

Anthracene

Concen: 89.593 ng/ul

RT: 17.586 min Scan# 2414

Delta R.T. -0.000 min

Lab File: BM037936.D

Acq: 10 Dec 2022 16:04

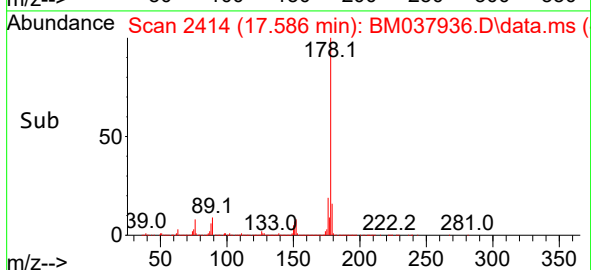
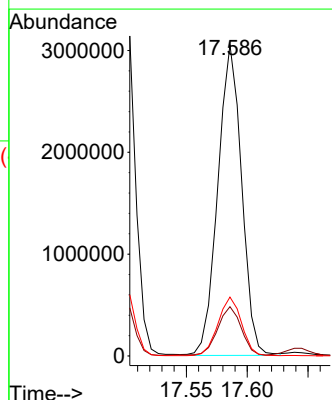
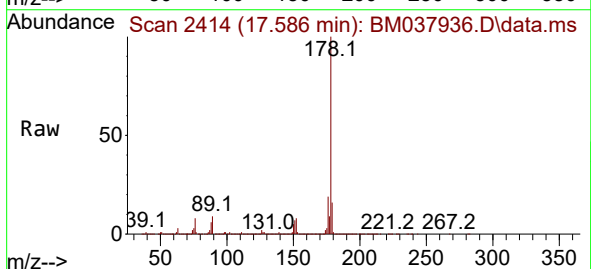
Tgt Ion:178 Resp: 4153928

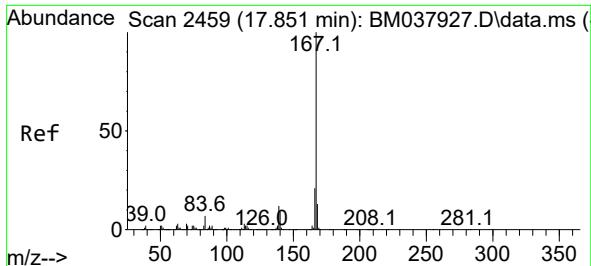
Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.8

176 18.9 15.0 22.6

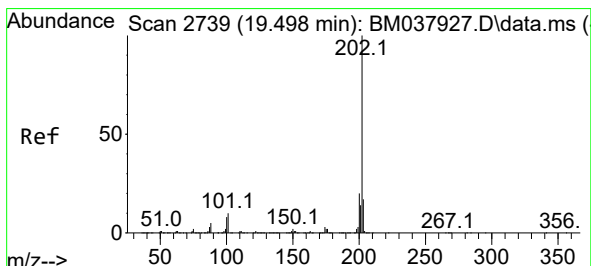
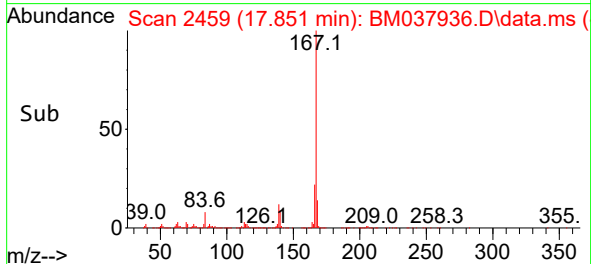
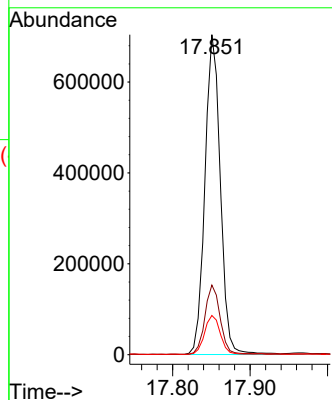
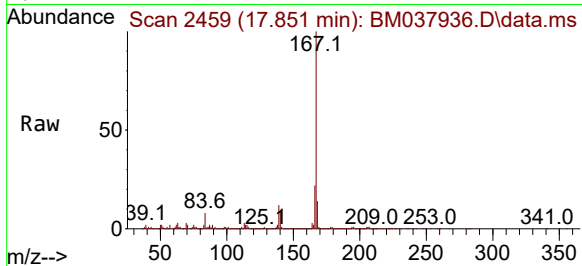




#77
 Carbazole
 Concen: 24.188 ng/ul
 RT: 17.851 min Scan# 2459
 Delta R.T. -0.006 min
 Lab File: BM037936.D
 Acq: 10 Dec 2022 16:04

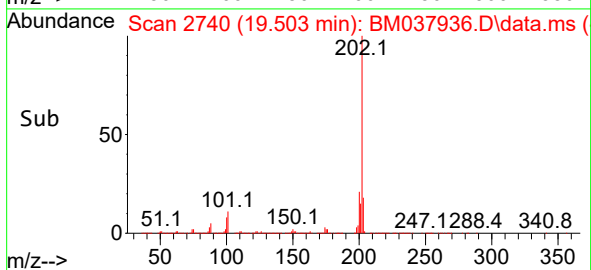
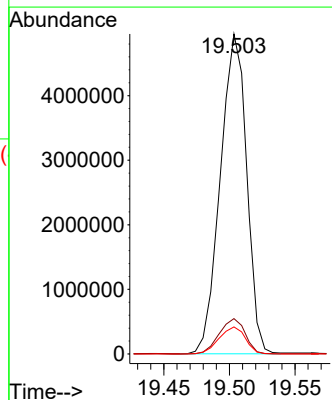
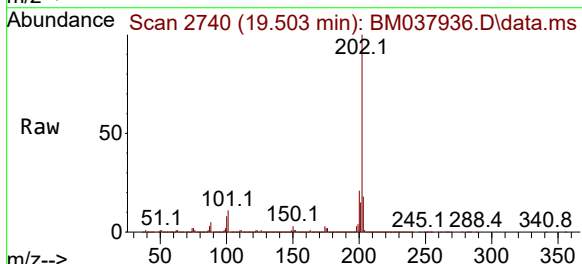
Instrument :
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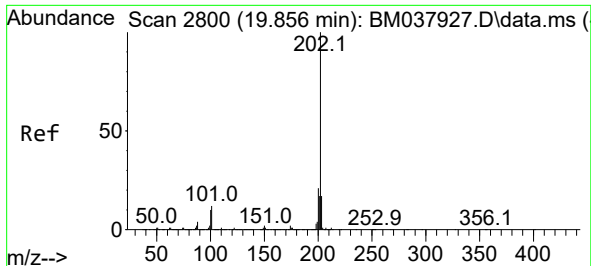
Tgt Ion:167 Resp: 971615
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.7 25.1
 139 12.3 9.8 14.6



#80
 Fluoranthene
 Concen: 116.853 ng/ul
 RT: 19.503 min Scan# 2740
 Delta R.T. 0.006 min
 Lab File: BM037936.D
 Acq: 10 Dec 2022 16:04

Tgt Ion:202 Resp: 6918868
 Ion Ratio Lower Upper
 202 100
 101 11.1 8.6 13.0
 100 8.5 6.6 10.0

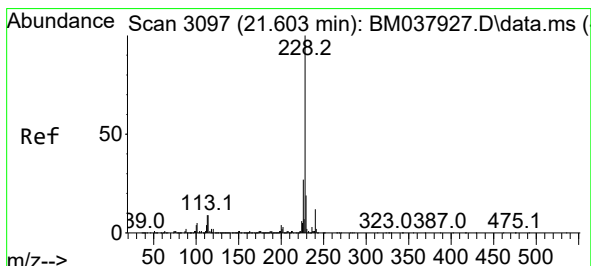
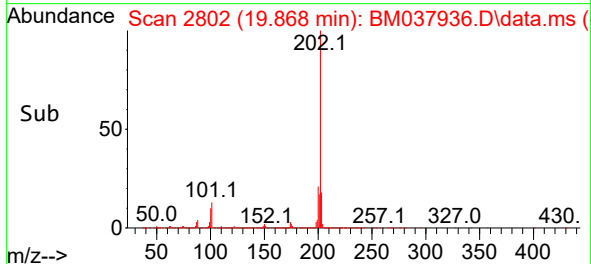
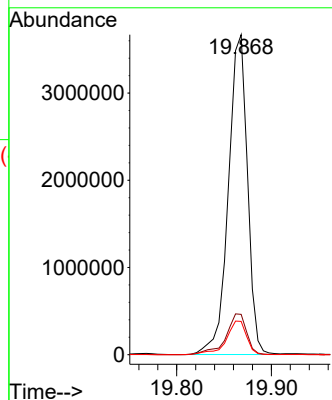
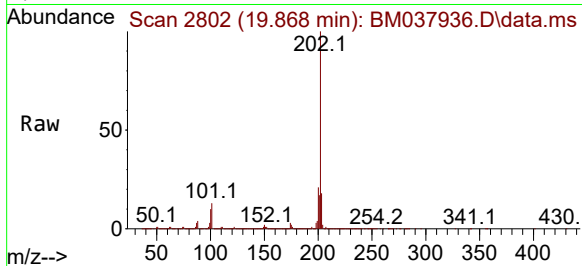




#82
Pyrene
Concen: 83.389 ng/ul
RT: 19.868 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

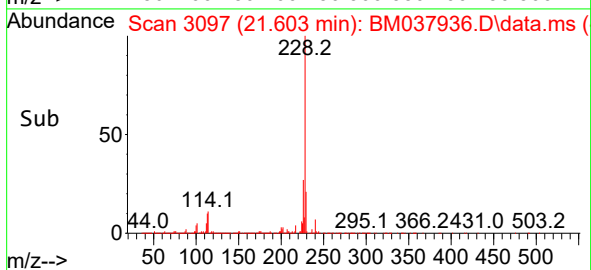
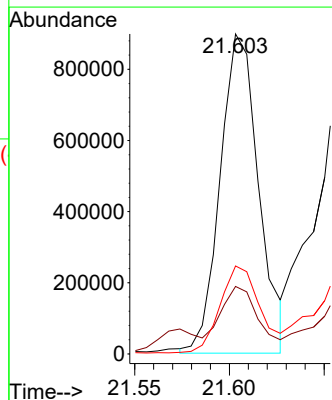
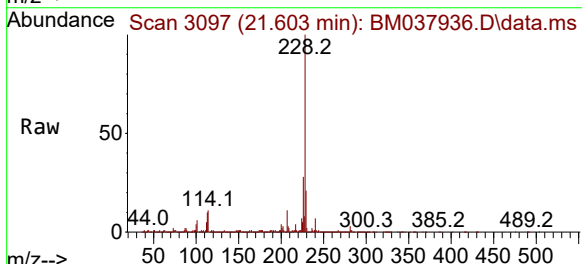
Instrument :
BNA_M
ClientSampleId :
DBXN0ME

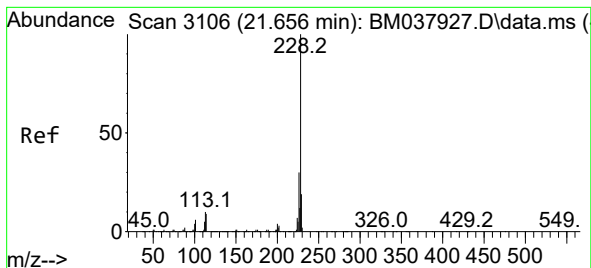
Tgt Ion:202 Resp: 5138576
Ion Ratio Lower Upper
202 100
101 12.6 10.0 15.0
100 10.4 7.9 11.9



#85
Benzo(a)anthracene
Concen: 22.575 ng/ul
RT: 21.603 min Scan# 3097
Delta R.T. -0.000 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

Tgt Ion:228 Resp: 1269319
Ion Ratio Lower Upper
228 100
229 21.1 15.5 23.3
226 27.5 21.8 32.8





#87

Chrysene

Concen: 26.427 ng/ul

RT: 21.662 min Scan# 3107

Delta R.T. -0.000 min

Lab File: BM037936.D

Acq: 10 Dec 2022 16:04

Instrument :

BNA_M

ClientSampleId :

DBXN0ME

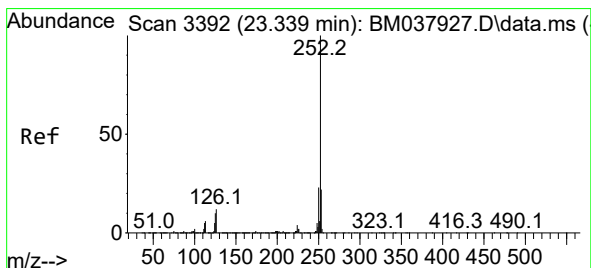
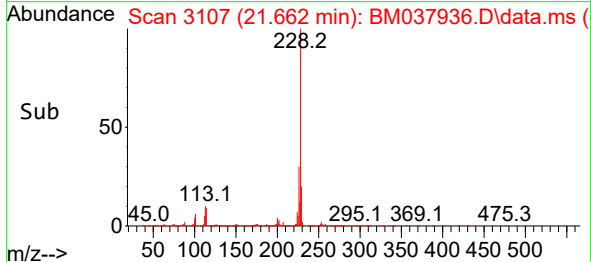
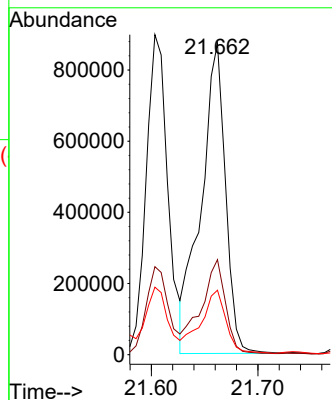
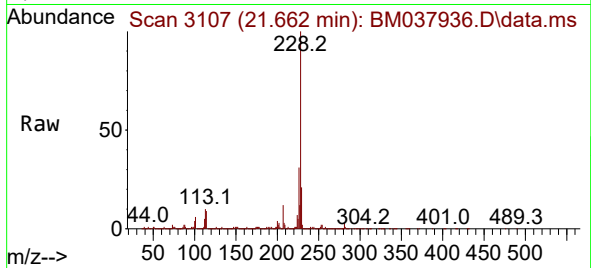
Tgt Ion:228 Resp: 1394172

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 20.7 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 31.464 ng/ul

RT: 23.344 min Scan# 3393

Delta R.T. -0.000 min

Lab File: BM037936.D

Acq: 10 Dec 2022 16:04

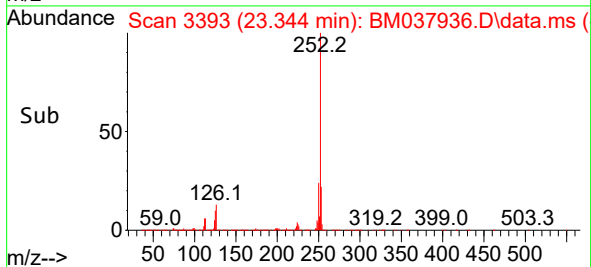
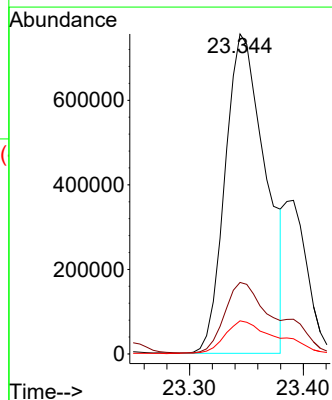
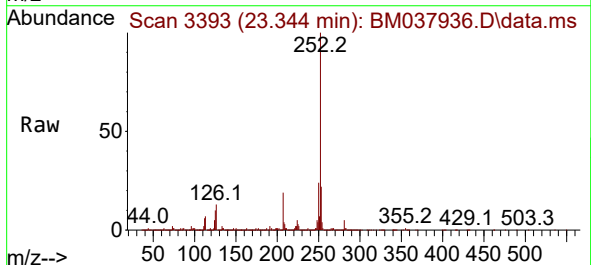
Tgt Ion:252 Resp: 1873729

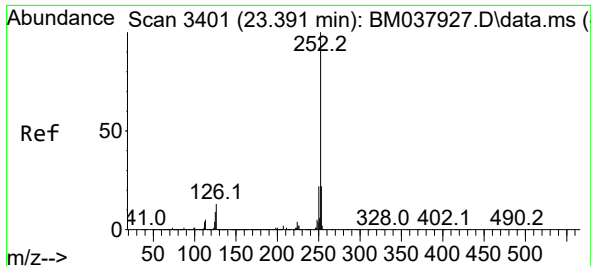
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.3 8.0 12.0

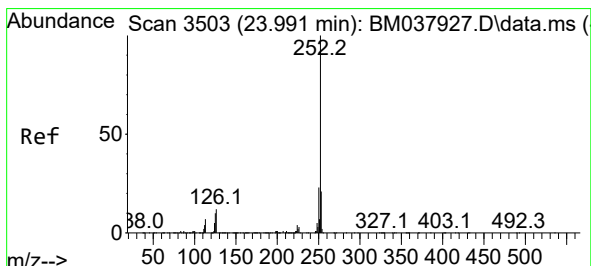
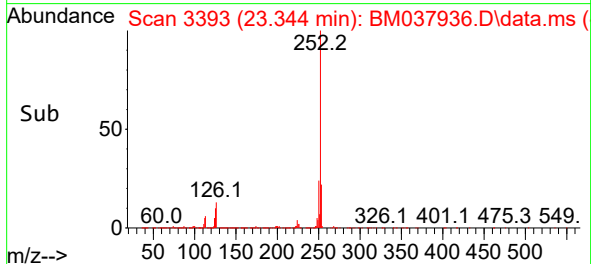
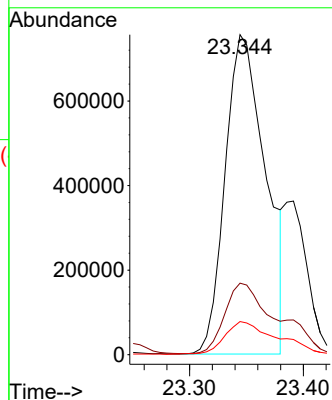
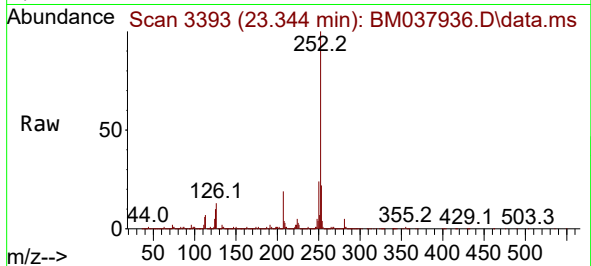




#91
Benzo(k)fluoranthene
Concen: 32.465 ng/ul
RT: 23.344 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

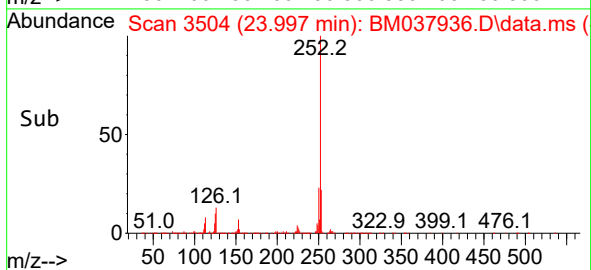
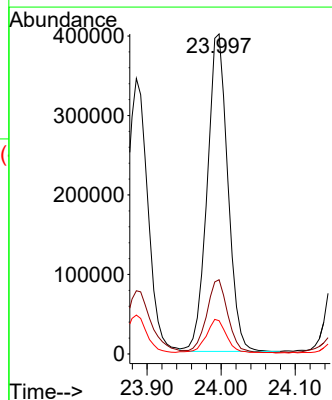
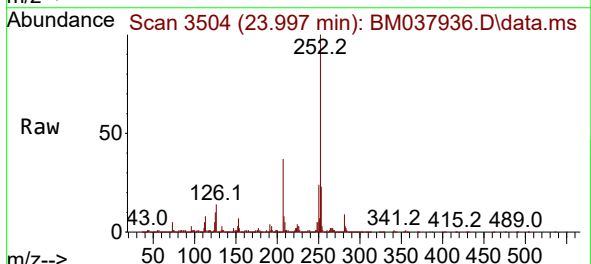
Instrument :
BNA_M
ClientSampleId :
DBXN0ME

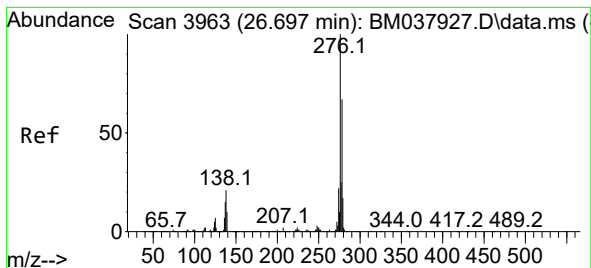
Tgt Ion:252 Resp: 1873729
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.3 8.1 12.1



#93
Benzo(a)pyrene
Concen: 14.715 ng/ul
RT: 23.997 min Scan# 3504
Delta R.T. 0.006 min
Lab File: BM037936.D
Acq: 10 Dec 2022 16:04

Tgt Ion:252 Resp: 770592
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 10.4 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.245 ng/ul

RT: 26.691 min Scan# 3962

Delta R.T. -0.012 min

Lab File: BM037936.D

Acq: 10 Dec 2022 16:04

Instrument :

BNA_M

ClientSampleId :

DBXN0ME

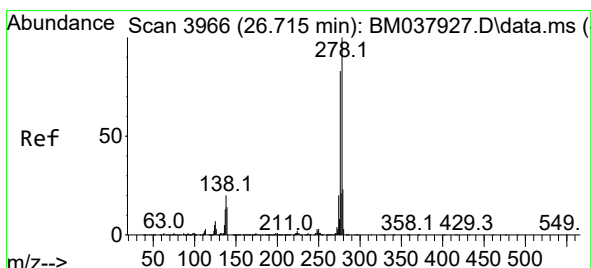
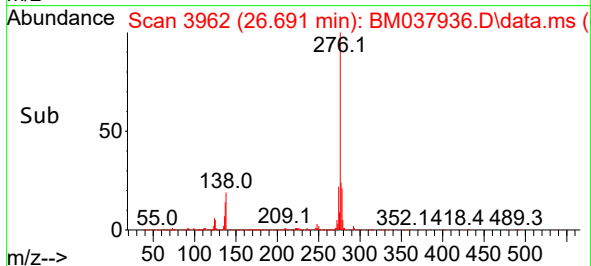
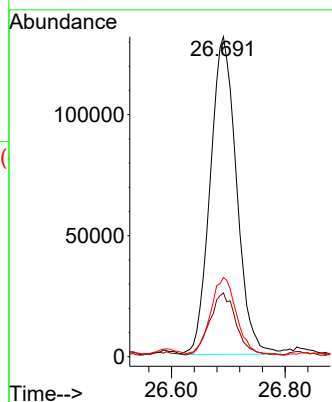
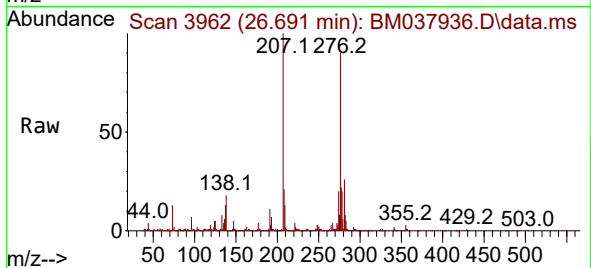
Tgt Ion:276 Resp: 421217

Ion Ratio Lower Upper

276 100

138 19.9 19.3 28.9

277 24.8 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 1.950 ng/ul

RT: 26.691 min Scan# 3962

Delta R.T. -0.024 min

Lab File: BM037936.D

Acq: 10 Dec 2022 16:04

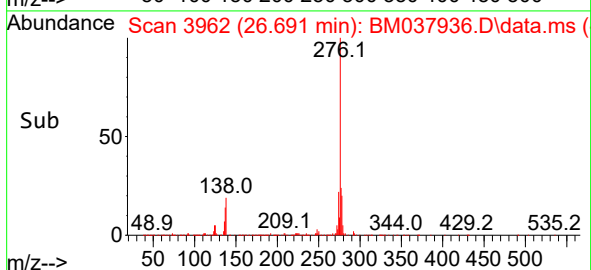
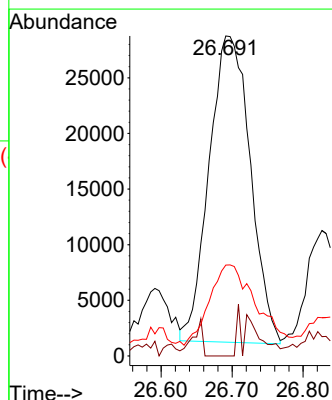
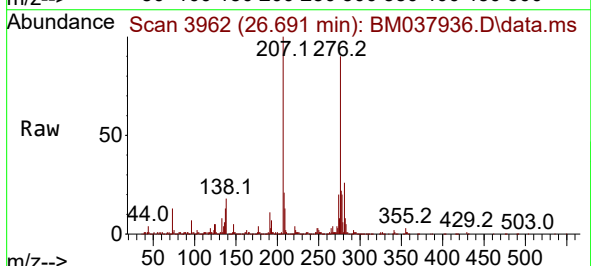
Tgt Ion:278 Resp: 110895

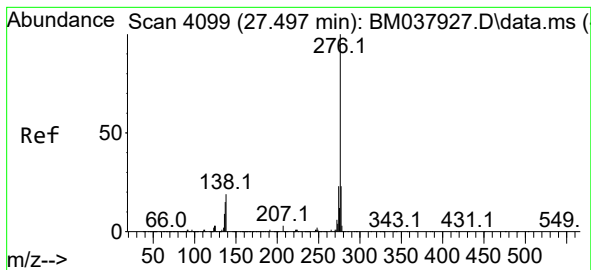
Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

279 28.4 19.8 29.6





#96
 Benzo(g,h,i)perylene
 Concen: 5.994 ng/ul
 RT: 27.491 min Scan# 4098
 Delta R.T. -0.012 min
 Lab File: BM037936.D
 Acq: 10 Dec 2022 16:04

Instrument :
 BNA_M
 ClientSampleId :
 DBXN0ME

Tgt Ion:276 Resp: 322771
 Ion Ratio Lower Upper
 276 100
 138 18.0 17.1 25.7
 277 23.5 18.2 27.4

