

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120922\
 Data File : BM037921.D
 Acq On : 09 Dec 2022 17:44
 Operator : CG/JU
 Sample : N5896-12 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2022
 Supervised By :mohammad ahmed 12/10/2022

Quant Time: Dec 09 21:49:37 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)

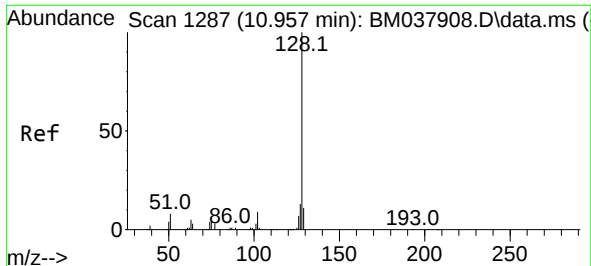
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	217775	20.000	ng/u1	0.00
20) Naphthalene-d8	10.904	136	896514	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	564150	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	1289040	20.000	ng/u1	0.00
79) Chrysene-d12	21.627	240	1067494	20.000	ng/u1	0.00
88) Perylene-d12	24.109	264	1066036	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	1742m	0.363	ng/uL	0.00
4) Pyridine-d5	3.893	84	17539m	1.233	ng/u1	0.04
7) Phenol-d5	7.234	99	37618	2.126	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	22662	2.103	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	31630	2.179	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	30988	2.243	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	14829	2.089	ng/u1	0.00
24) 2-Nitrophenol-d4	9.981	143	14916	2.005	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	29220	2.068	ng/u1	0.00
31) 4-Chloroaniline-d4	11.039	131	33614	1.724	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	100085	2.488	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	114409	2.327	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	11611	1.694	ng/u1	0.00
60) Fluorene-d10	15.698	176	96640	2.697	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.821	200	9128	1.324	ng/u1	0.00
73) Anthracene-d10	17.557	188	154808	2.573	ng/u1	0.00
81) Pyrene-d10	19.839	212	181529	2.831	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.944	264	133596	2.509	ng/u1	0.00
Target Compounds						Qvalue
30) Naphthalene	10.951	128	207097	4.281	ng/u1	98
36) 2-Methylnaphthalene	12.551	142	149758	4.772	ng/u1	99
37) 1-Methylnaphthalene	12.769	142	211690	6.597	ng/u1	97
50) Acenaphthylene	14.433	152	163061	3.017	ng/u1#	95
52) Acenaphthene	14.780	153	2871091	76.796	ng/u1	99
61) Fluorene	15.757	166	3815242	91.655	ng/u1	99
72) Phenanthrene	17.510	178	11938641	169.596	ng/u1	97
74) Anthracene	17.604	178	14227247	198.875	ng/u1	96
80) Fluoranthene	19.515	202	12204807	161.270	ng/u1	100
82) Pyrene	19.874	202	9460697	120.117	ng/u1	99
85) Benzo(a)anthracene	21.609	228	2461884	34.256	ng/u1	98
87) Chrysene	21.668	228	3240980	48.065	ng/u1	99
90) Benzo(b)fluoranthene	23.350	252	2496191	37.770	ng/u1	99
91) Benzo(k)fluoranthene	23.397	252	657177m	10.260	ng/u1	
93) Benzo(a)pyrene	23.997	252	1042436	17.937	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.697	276	548939	7.334	ng/u1	95
95) Dibenzo(a,h)anthracene	26.703	278	148120	2.347	ng/u1#	88
96) Benzo(g,h,i)perylene	27.503	276	411491	6.886	ng/u1	99

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

Manual Integrations APPROVED

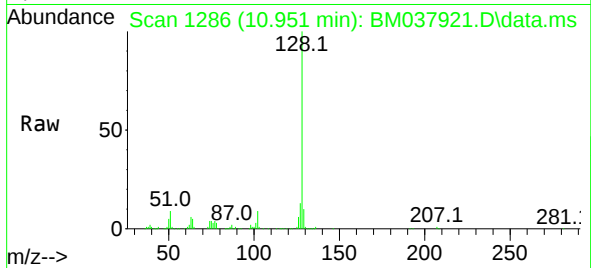
Quant Time: Dec 09 21:49:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 09 21:34:57 2022
Response via : Initial Calibration





#30
Naphthalene
Concen: 4.281 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

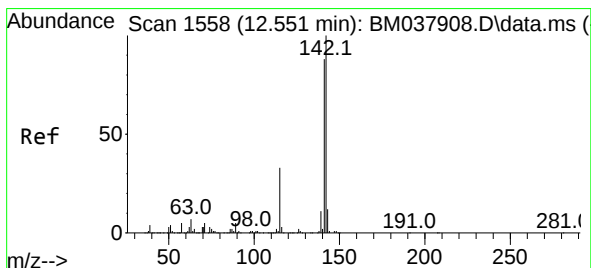
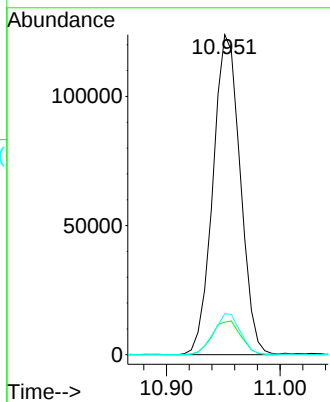
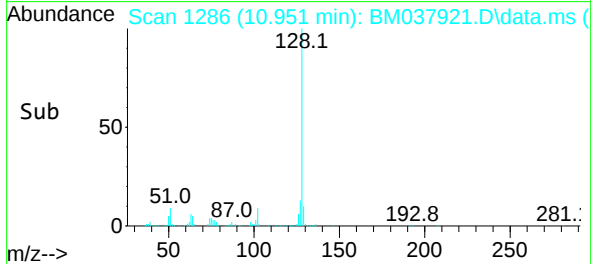
Instrument :
BNA_M
ClientSampleId :
DBXN0



Tgt Ion:128 Resp: 20709
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.4
127 12.8 10.4 15.6

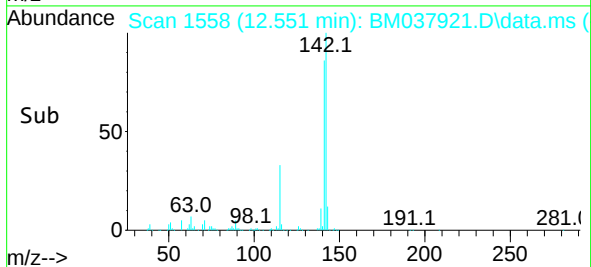
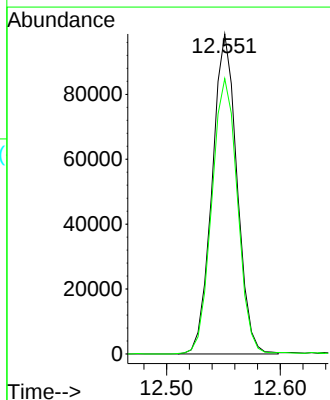
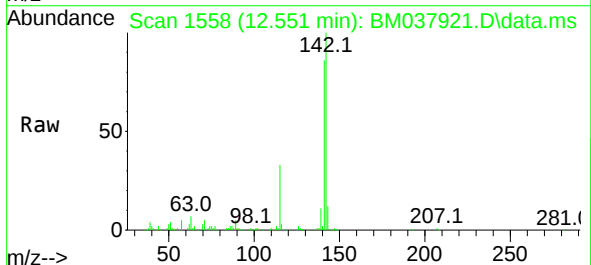
Manual Integrations
APPROVED

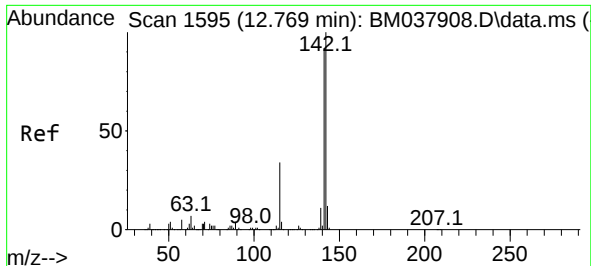
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022



#36
2-Methylnaphthalene
Concen: 4.772 ng/ul
RT: 12.551 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:142 Resp: 149758
Ion Ratio Lower Upper
142 100
141 86.1 69.4 104.0





#37

1-Methylnaphthalene

Concen: 6.597 ng/ul

RT: 12.769 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

Instrument :

BNA_M

ClientSampleId :

DBXN0

Tgt Ion:142 Resp: 211690

Ion Ratio Lower Upper

142 100

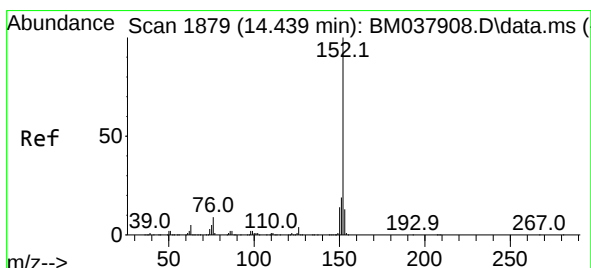
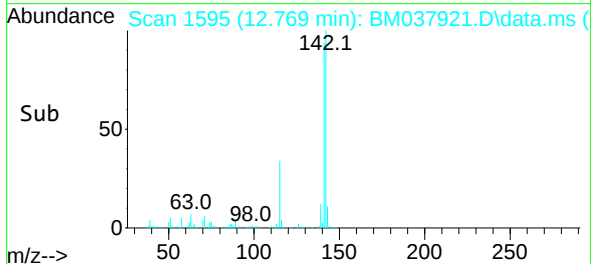
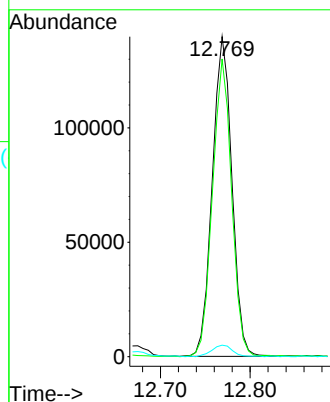
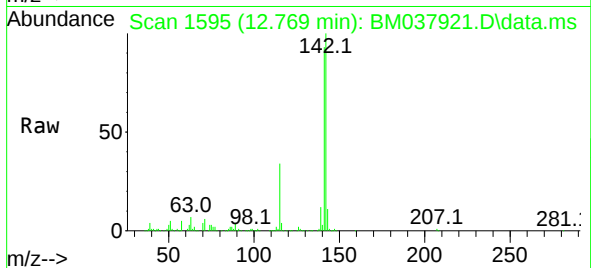
141 93.0 72.4 108.6

116 3.6 2.9 4.3

Manual Integrations

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Supervised By :mohammad ahmed 12/10/2022



#50

Acenaphthylene

Concen: 3.017 ng/ul

RT: 14.433 min Scan# 1878

Delta R.T. -0.006 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

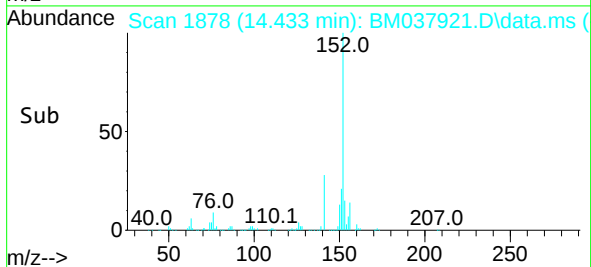
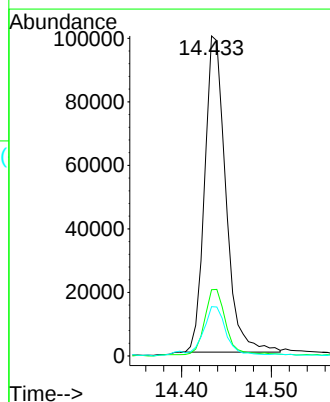
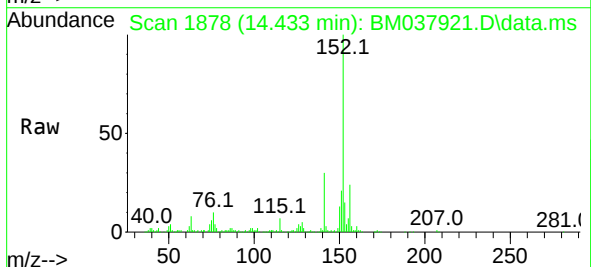
Tgt Ion:152 Resp: 163061

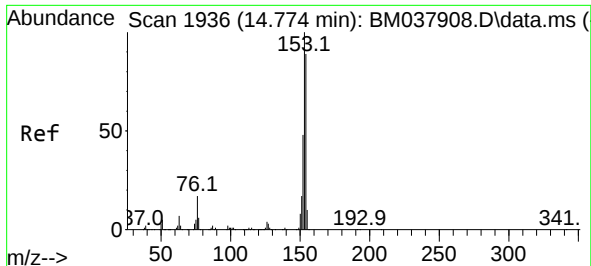
Ion Ratio Lower Upper

152 100

151 20.7 15.3 22.9

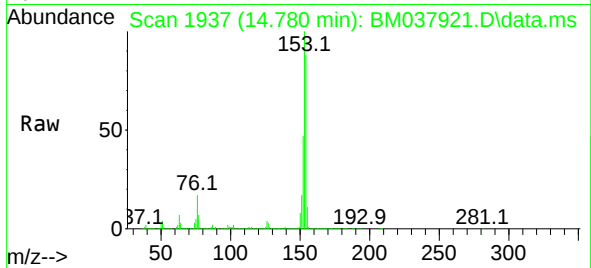
153 15.4 10.2 15.4#





#52
Acenaphthene
Concen: 76.796 ng/uI
RT: 14.780 min Scan# 1937
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

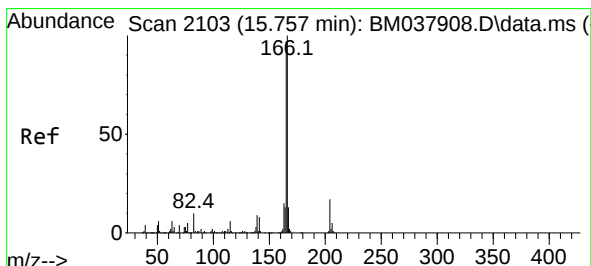
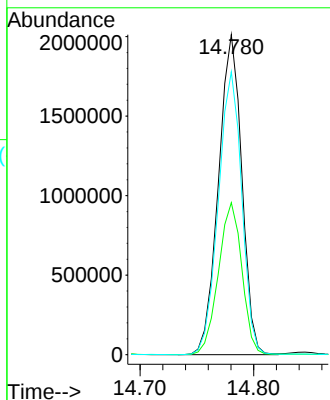
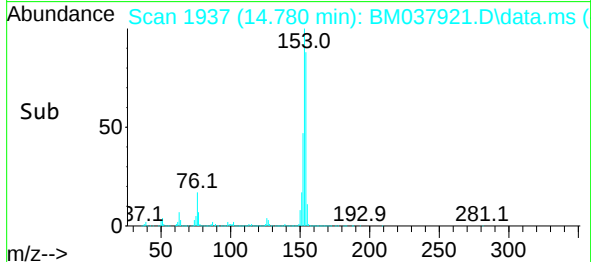
Instrument :
BNA_M
ClientSampleId :
DBXN0



Tgt Ion:153 Resp: 287109
Ion Ratio Lower Upper
153 100
152 47.5 38.2 57.4
154 88.4 71.4 107.0

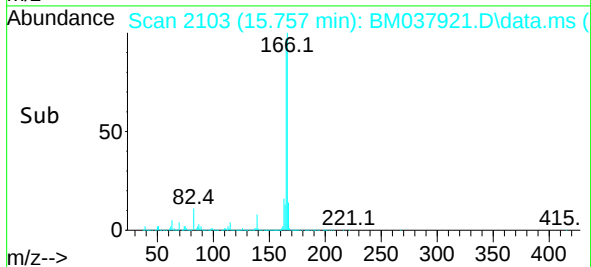
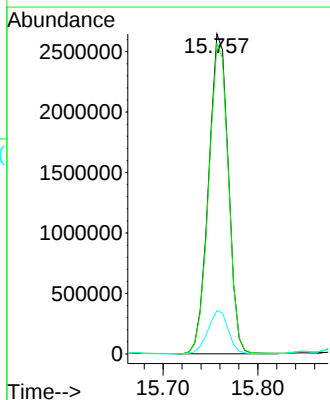
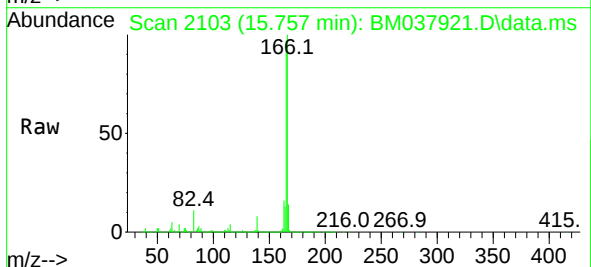
Manual Integrations
APPROVED

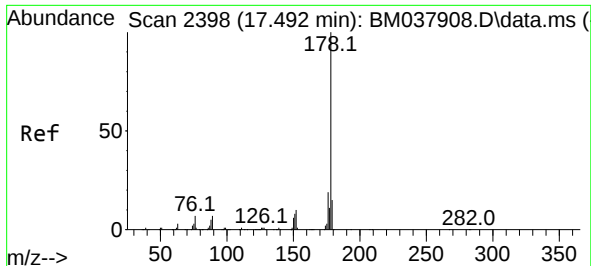
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022



#61
Fluorene
Concen: 91.655 ng/uI
RT: 15.757 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

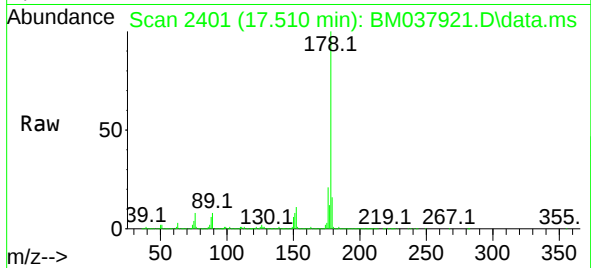
Tgt Ion:166 Resp: 3815242
Ion Ratio Lower Upper
166 100
165 96.9 77.2 115.8
167 13.5 10.4 15.6





#72
Phenanthrene
Concen: 169.596 ng/uI
RT: 17.510 min Scan# 2410
Delta R.T. 0.018 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

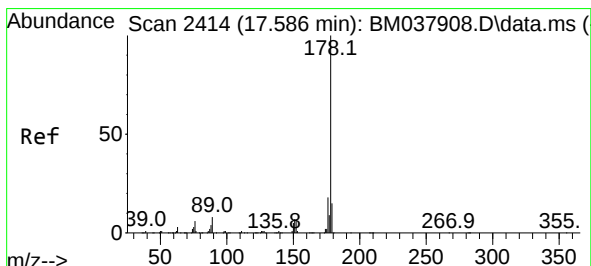
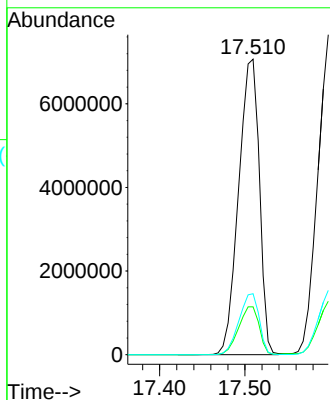
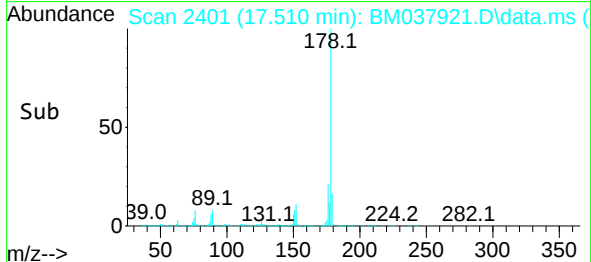
Instrument :
BNA_M
ClientSampleId :
DBXN0



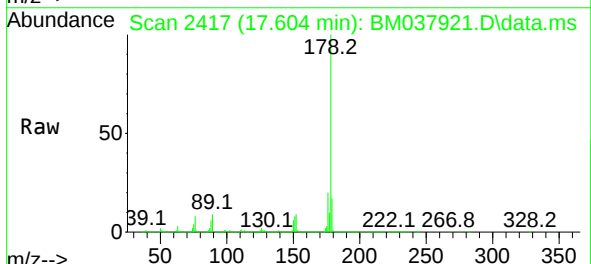
Tgt Ion:178 Resp:1193864
Ion Ratio Lower Upper
178 100
179 16.2 12.2 18.2
176 20.6 15.4 23.0

Manual Integrations
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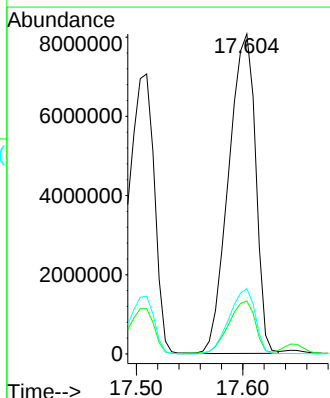
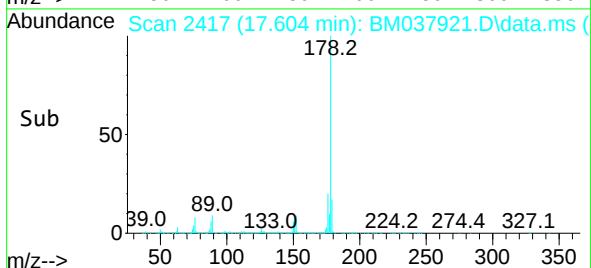
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022

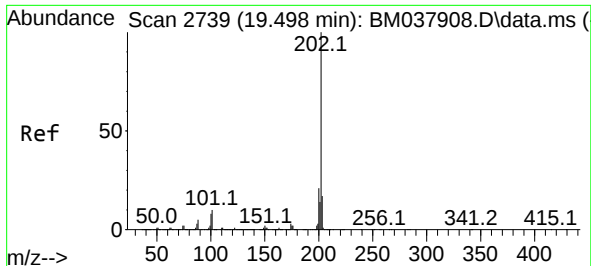


#74
Anthracene
Concen: 198.875 ng/uI
RT: 17.604 min Scan# 2417
Delta R.T. 0.018 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44



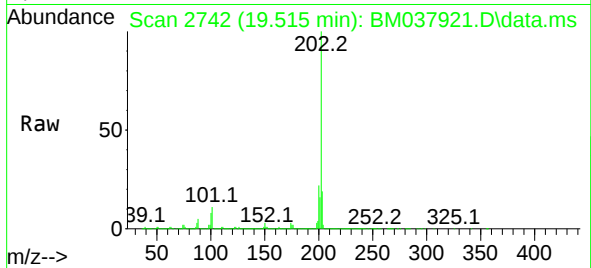
Tgt Ion:178 Resp:14227247
Ion Ratio Lower Upper
178 100
179 16.6 11.8 17.8
176 20.4 15.0 22.6





#80
Fluoranthene
Concen: 161.270 ng/u1
RT: 19.515 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

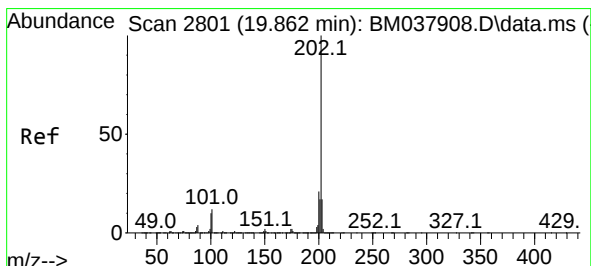
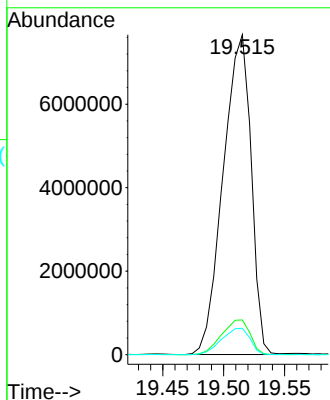
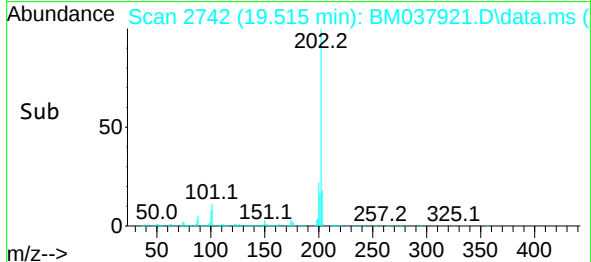
Instrument :
BNA_M
ClientSampleId :
DBXN0



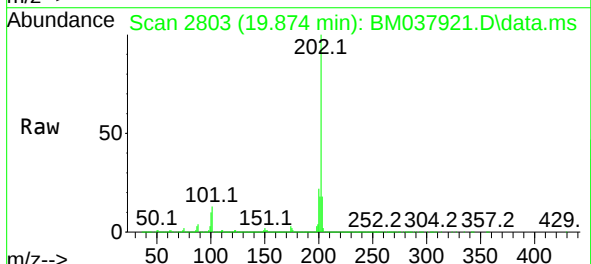
Tgt Ion:202 Resp:1220480
Ion Ratio Lower Upper
202 100
101 10.8 8.6 13.0
100 8.3 6.6 10.0

Manual Integrations
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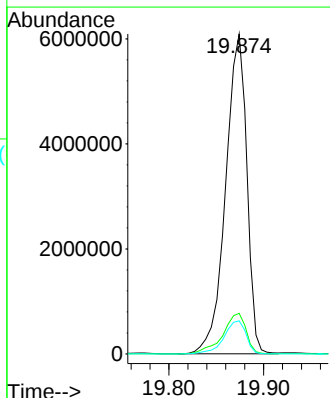
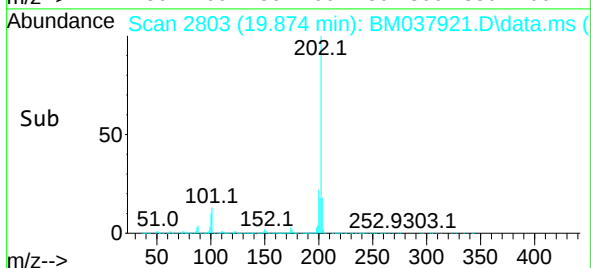
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022

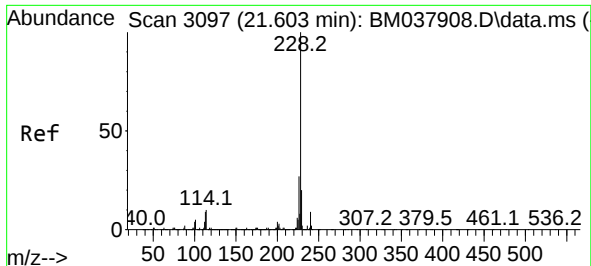


#82
Pyrene
Concen: 120.117 ng/u1
RT: 19.874 min Scan# 2803
Delta R.T. 0.012 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44



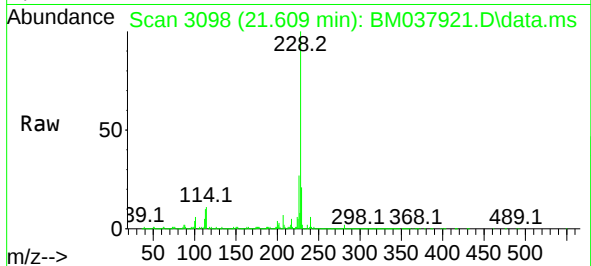
Tgt Ion:202 Resp: 9460697
Ion Ratio Lower Upper
202 100
101 12.7 10.0 15.0
100 10.3 7.9 11.9





#85
Benzo(a)anthracene
Concen: 34.256 ng/u1
RT: 21.609 min Scan# 3097
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

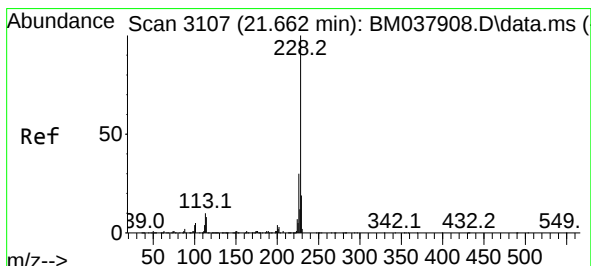
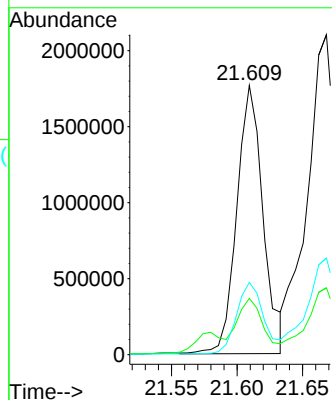
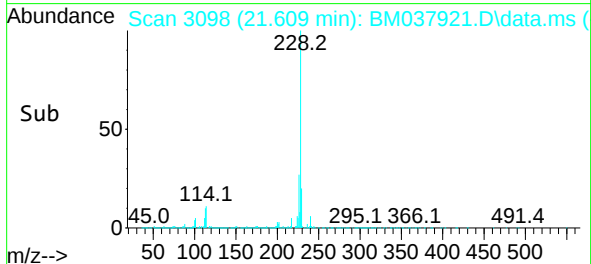
Instrument :
BNA_M
ClientSampleId :
DBXN0



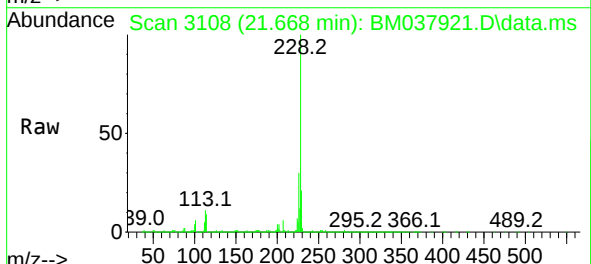
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Ion Ratio Lower Upper
228 100
229 20.9 15.5 23.3
226 26.8 21.8 32.8

Manual Integrations
APPROVED

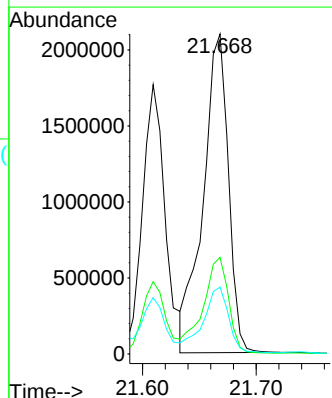
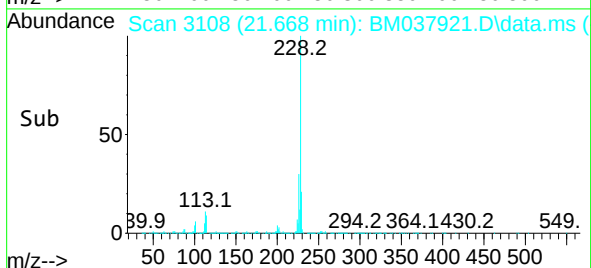
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022

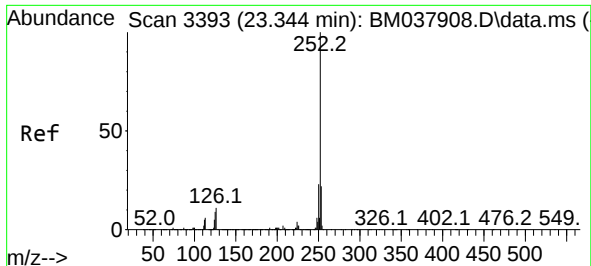


#87
Chrysene
Concen: 48.065 ng/u1
RT: 21.668 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44



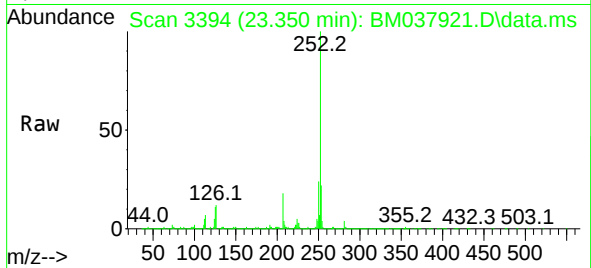
Tgt Ion:228 Resp: 3240980
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 20.9 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 37.770 ng/ul
RT: 23.350 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

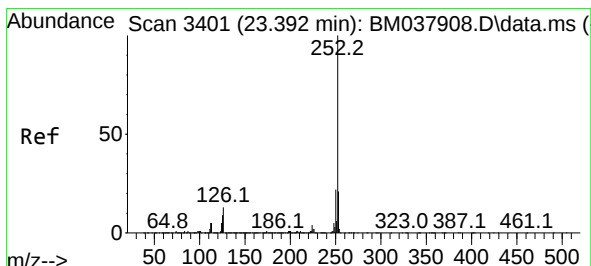
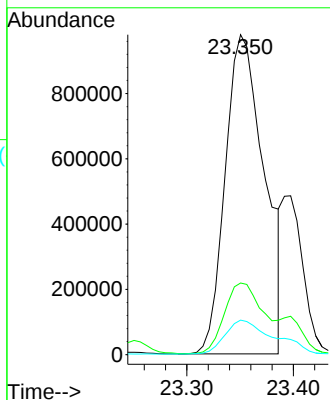
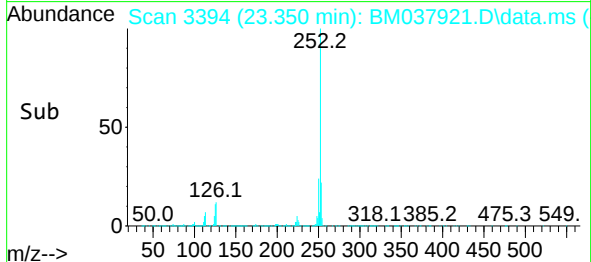
Instrument :
BNA_M
ClientSampleId :
DBXN0



Tgt Ion:252 Resp: 249619
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.8 8.0 12.0

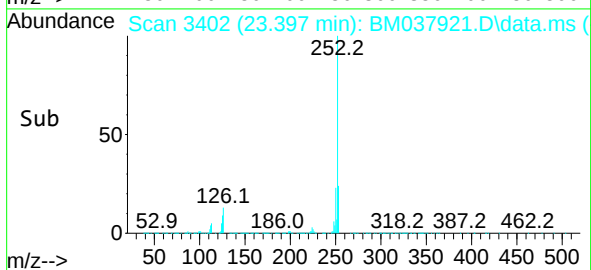
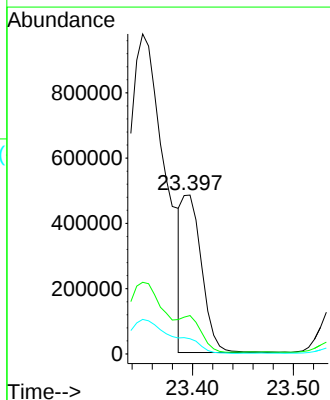
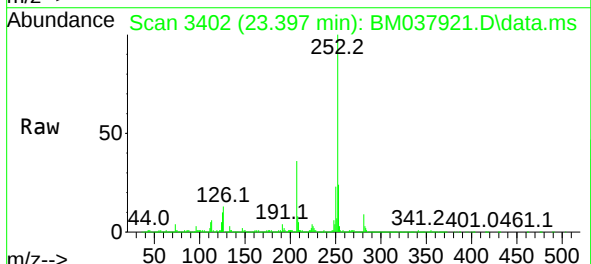
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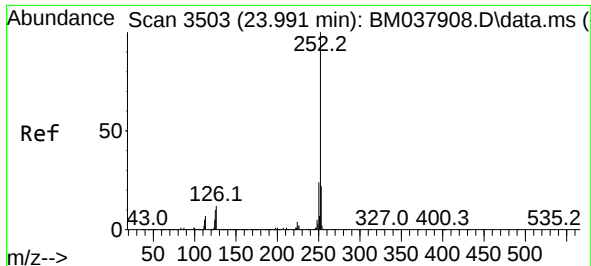
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022



#91
Benzo(k)fluoranthene
Concen: 10.260 ng/ul m
RT: 23.397 min Scan# 3402
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

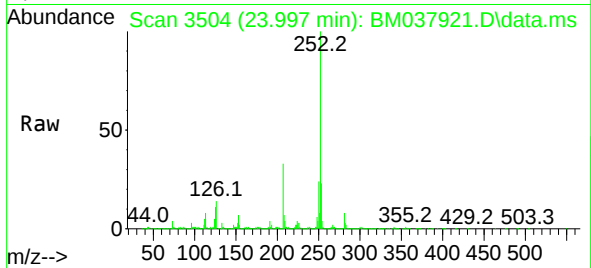
Tgt Ion:252 Resp: 657177
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 9.6 8.1 12.1





#93
Benzo(a)pyrene
Concen: 17.937 ng/ul
RT: 23.997 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

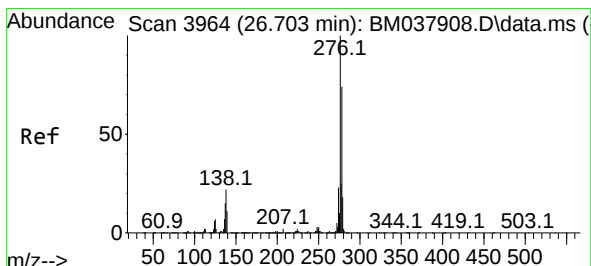
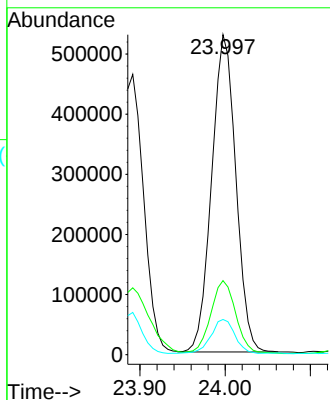
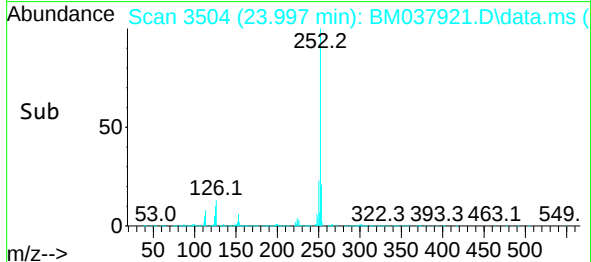
Instrument :
BNA_M
ClientSampleId :
DBXN0



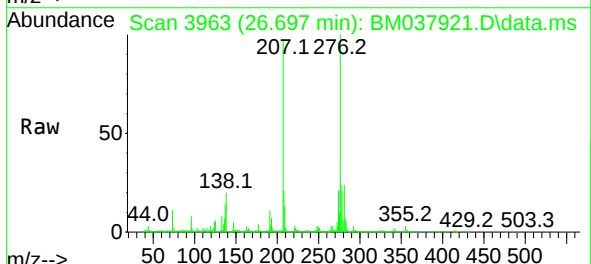
Tgt Ion:252 Resp: 1042430
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.0 9.4 14.0

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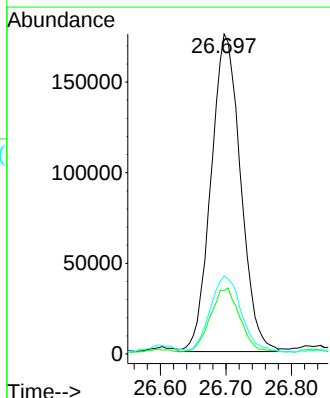
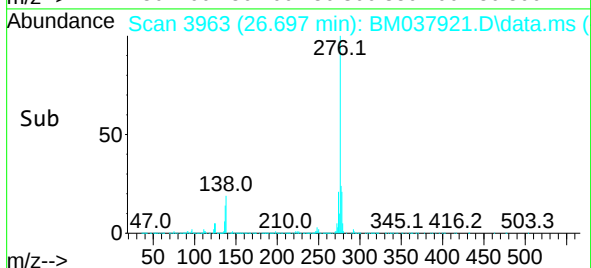
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022

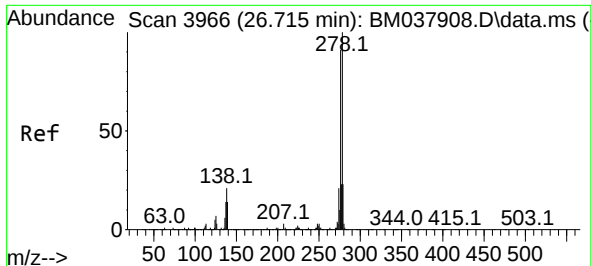


#94
Indeno(1,2,3-cd)pyrene
Concen: 7.334 ng/ul
RT: 26.697 min Scan# 3963
Delta R.T. -0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44



Tgt Ion:276 Resp: 548939
Ion Ratio Lower Upper
276 100
138 19.7 19.3 28.9
277 24.4 19.8 29.8





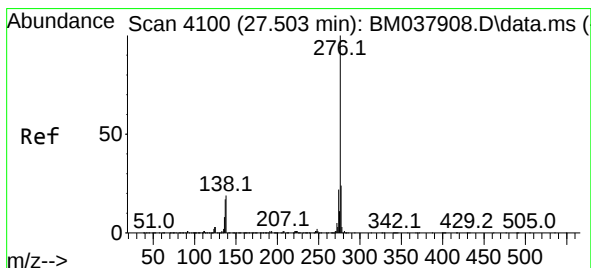
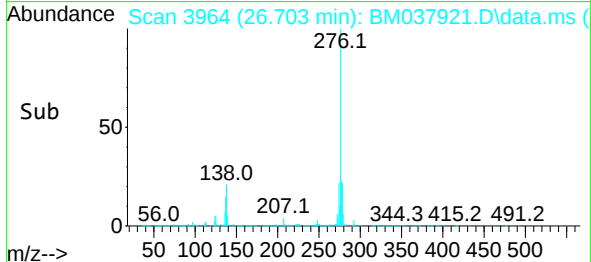
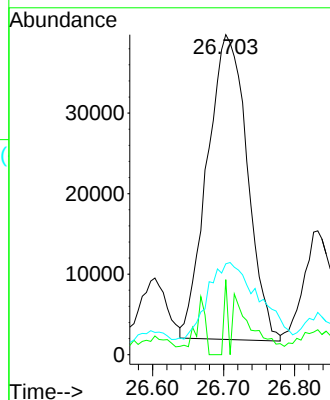
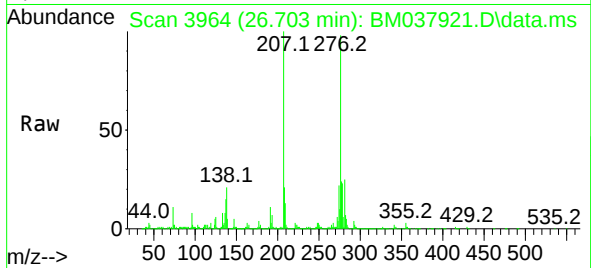
#95
Dibenzo(a,h)anthracene
Concen: 2.347 ng/ul
RT: 26.703 min Scan# 3966
Delta R.T. -0.012 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Instrument :
BNA_M
ClientSampleId :
DBXN0

Tgt Ion:278 Resp: 148120
Ion Ratio Lower Upper
278 100
139 23.5 12.4 18.6
279 28.4 19.8 29.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022



#96
Benzo(g,h,i)perylene
Concen: 6.886 ng/ul
RT: 27.503 min Scan# 4100
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:276 Resp: 411491
Ion Ratio Lower Upper
276 100
138 21.0 17.1 25.7
277 23.4 18.2 27.4

