

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120922\
 Data File : BM037922.D
 Acq On : 09 Dec 2022 18:21
 Operator : CG/JU
 Sample : N5896-13 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN1

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 21:49:56 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	216369	20.000	ng/u1	0.00
20) Naphthalene-d8	10.904	136	898988	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	571971	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	1303913	20.000	ng/u1	0.00
79) Chrysene-d12	21.627	240	1050997	20.000	ng/u1	0.00
88) Perylene-d12	24.109	264	1087219	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.423	96	2344m	0.492	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.234	99	38161	2.170	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.405	67	22580	2.109	ng/u1	0.00
11) 2-Chlorophenol-d4	7.611	132	31619	2.192	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	31663	2.307	ng/u1	0.00
21) Nitrobenzene-d5	9.258	128	15125	2.125	ng/u1	0.00
24) 2-Nitrophenol-d4	9.981	143	16113	2.160	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	31398	2.216	ng/u1	0.00
31) 4-Chloroaniline-d4	11.040	131	37032	1.894	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	109123	2.676	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	119700	2.402	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	12734	1.832	ng/u1	0.00
60) Fluorene-d10	15.698	176	103121	2.838	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.828	200	7419	1.064	ng/u1	0.01
73) Anthracene-d10	17.569	188	161401	2.652	ng/u1	0.02
81) Pyrene-d10	19.839	212	189973	3.009	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.945	264	146940	2.706	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.951	128	759467	15.655	ng/u1	99
36) 2-Methylnaphthalene	12.551	142	664150	21.107	ng/u1	97
37) 1-Methylnaphthalene	12.769	142	318133	9.888	ng/u1	98
50) Acenaphthylene	14.440	152	195355	3.565	ng/u1#	92
52) Acenaphthene	14.781	153	4267894	112.597	ng/u1	99
61) Fluorene	15.769	166	7538725	178.629	ng/u1	99
72) Phenanthrene	17.510	178	19183605	269.408	ng/u1	96
74) Anthracene	17.604	178	26490467m	366.073	ng/u1	
80) Fluoranthene	19.516	202	15803728	212.103	ng/u1	97
82) Pyrene	19.880	202	12910148	166.486	ng/u1	99
85) Benzo(a)anthracene	21.610	228	3517706	49.715	ng/u1	99
87) Chrysene	21.668	228	3896861	58.699	ng/u1	99
90) Benzo(b)fluoranthene	23.351	252	2900189	43.028	ng/u1	98
91) Benzo(k)fluoranthene	23.398	252	799973m	12.246	ng/u1	
93) Benzo(a)pyrene	23.998	252	1260376	21.264	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.698	276	589592	7.724	ng/u1	95
95) Dibenzo(a,h)anthracene	26.703	278	159636	2.481	ng/u1#	82
96) Benzo(g,h,i)perylene	27.503	276	425240	6.977	ng/u1	97

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

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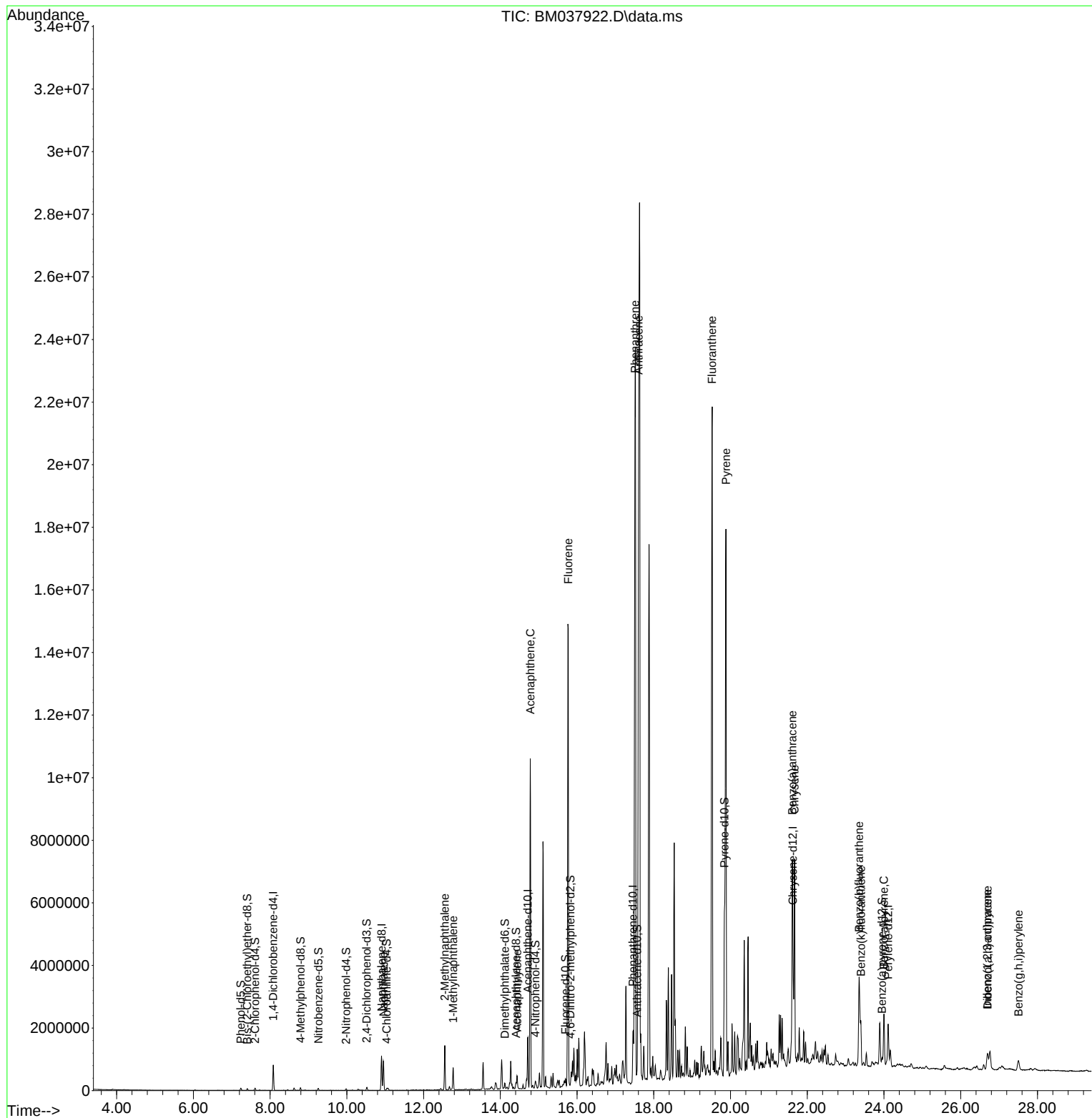
DBXN1

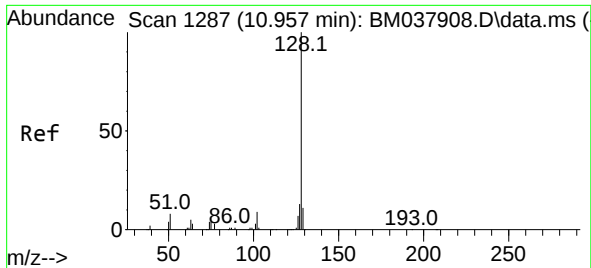
Manual Integrations

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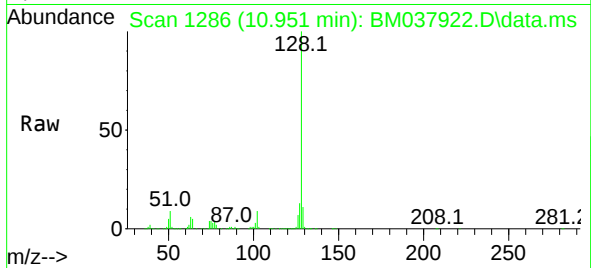
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#30
Naphthalene
Concen: 15.655 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

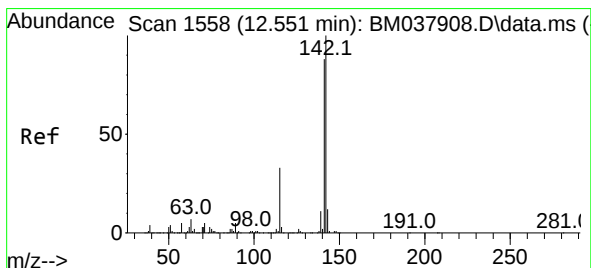
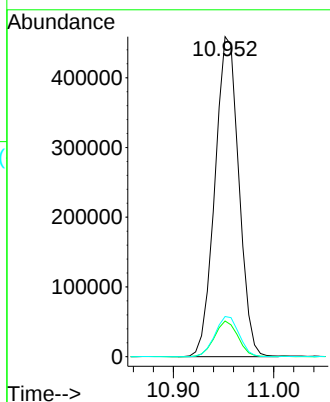
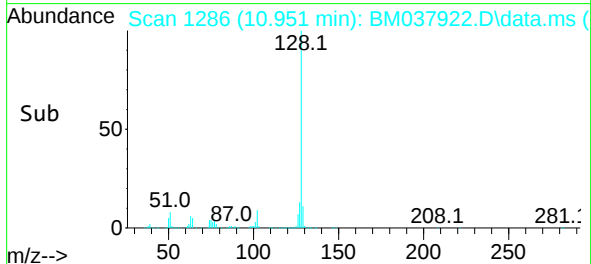
Instrument :
BNA_M
ClientSampleId :
DBXN1



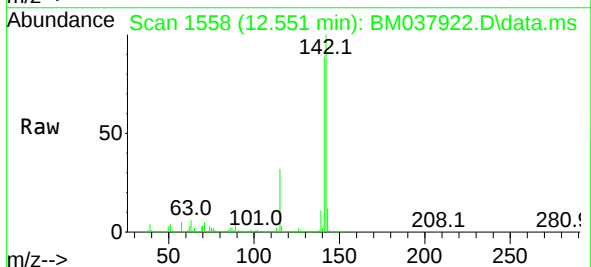
Tgt Ion:128 Resp: 75946
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.5 10.4 15.6

Manual Integrations
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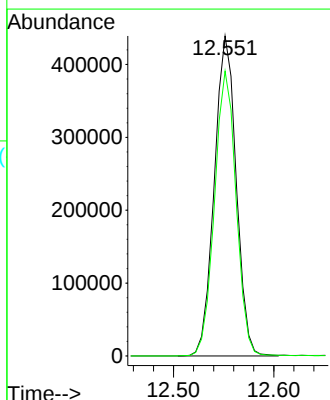
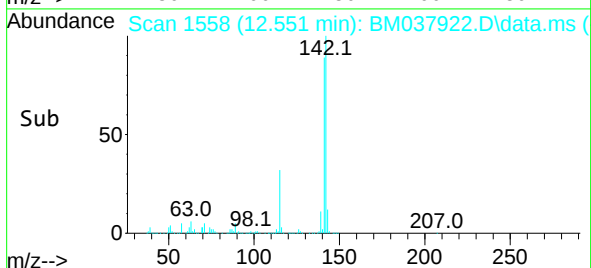
Reviewed By :Jagrut Upadhyay 12/10/2022
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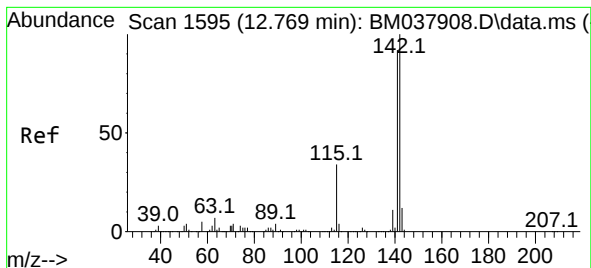


#36
2-Methylnaphthalene
Concen: 21.107 ng/ul
RT: 12.551 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21



Tgt Ion:142 Resp: 664150
Ion Ratio Lower Upper
142 100
141 89.0 69.4 104.0





#37

1-Methylnaphthalene

Concen: 9.888 ng/ul

RT: 12.769 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

Instrument :

BNA_M

ClientSampleId :

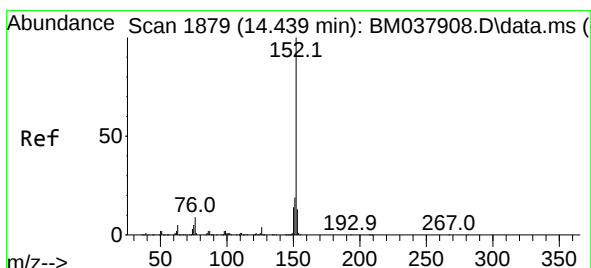
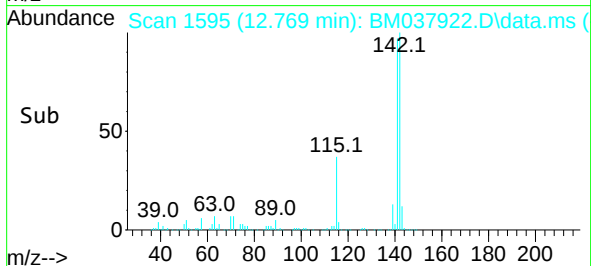
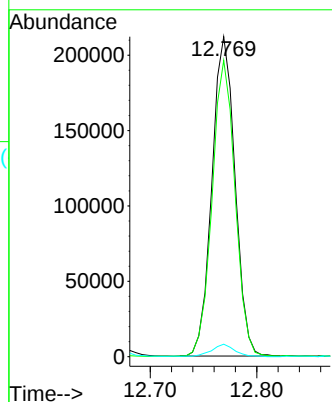
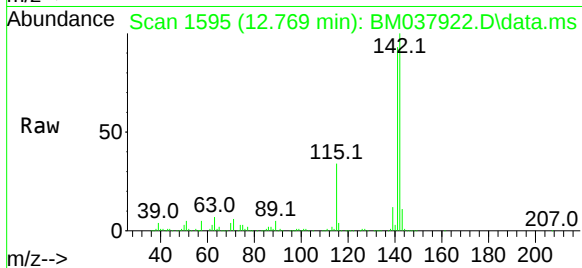
DBXN1

Tgt Ion:	142	Resp:	31813
Ion Ratio	Lower	Upper	
142	100		
141	92.6	72.4	108.6
116	3.9	2.9	4.3

Manual Integrations

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Supervised By :mohammad ahmed 12/10/2022



#50

Acenaphthylene

Concen: 3.565 ng/ul

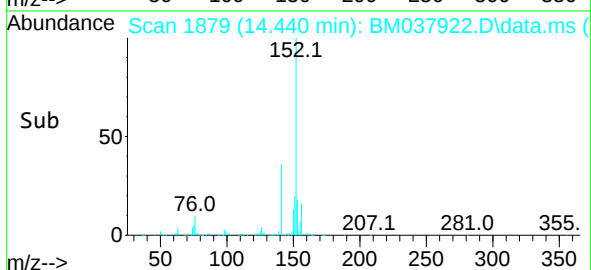
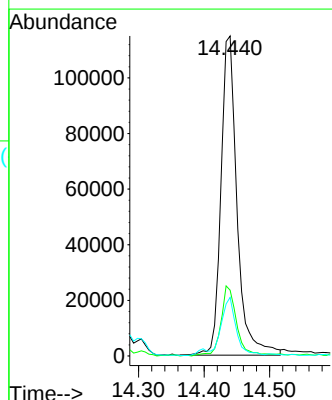
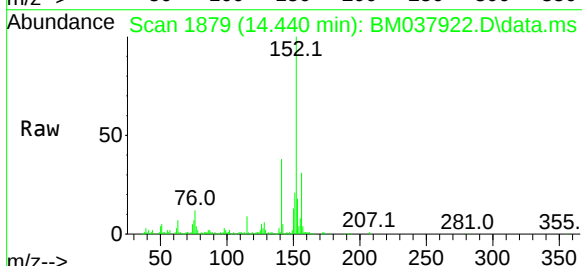
RT: 14.440 min Scan# 1879

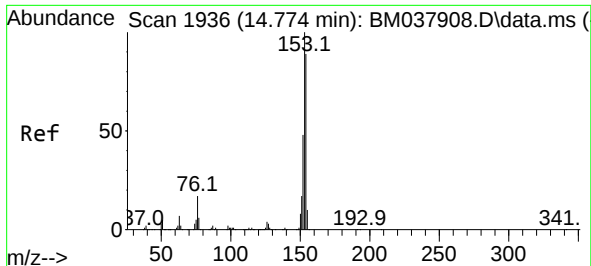
Delta R.T. 0.000 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

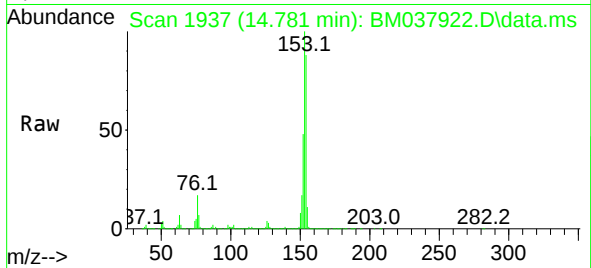
Tgt Ion:	152	Resp:	195355
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.3	22.9
153	18.3	10.2	15.4





#52
Acenaphthene
Concen: 112.597 ng/u1
RT: 14.781 min Scan# 1937
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

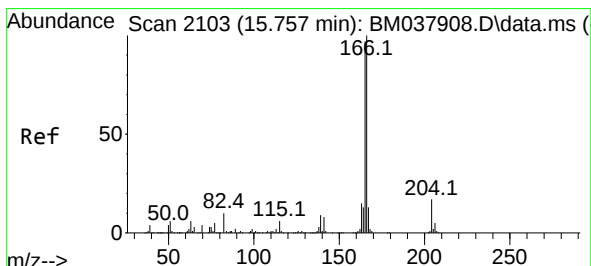
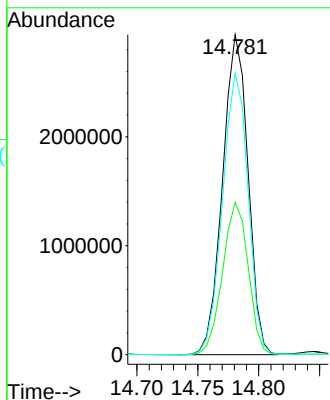
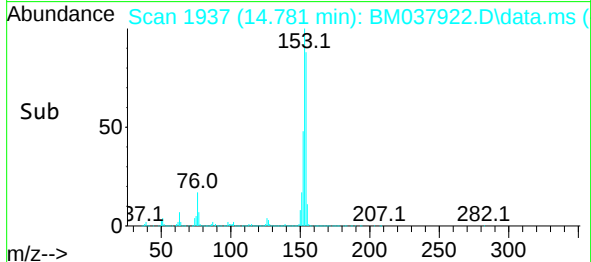
Instrument :
BNA_M
ClientSampleId :
DBXN1



Tgt Ion:153 Resp: 4267894
Ion Ratio Lower Upper
153 100
152 47.7 38.2 57.4
154 88.1 71.4 107.0

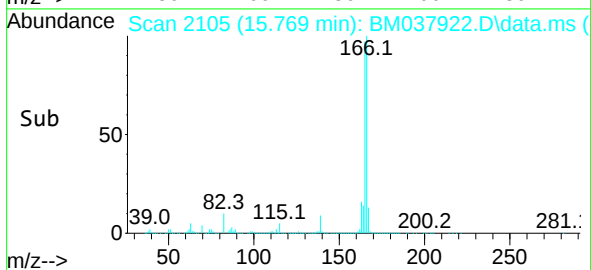
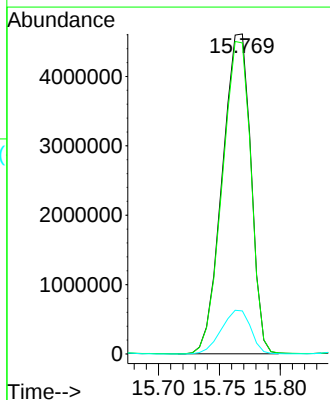
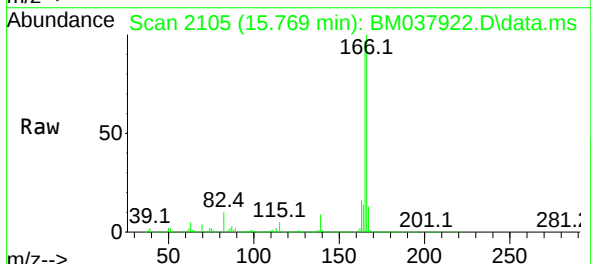
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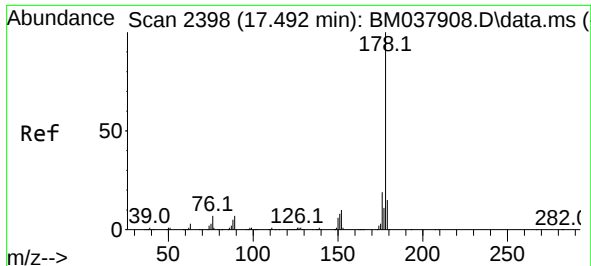
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022



#61
Fluorene
Concen: 178.629 ng/u1
RT: 15.769 min Scan# 2105
Delta R.T. 0.012 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

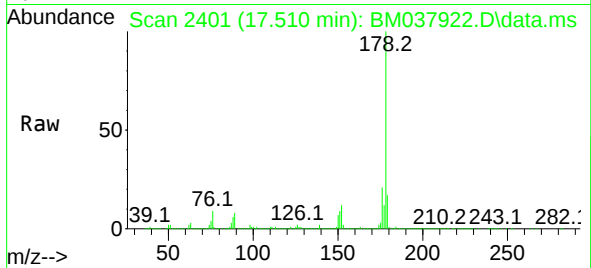
Tgt Ion:166 Resp: 7538725
Ion Ratio Lower Upper
166 100
165 97.2 77.2 115.8
167 13.4 10.4 15.6





#72
Phenanthrene
Concen: 269.408 ng/ul
RT: 17.510 min Scan# 2410
Delta R.T. 0.018 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

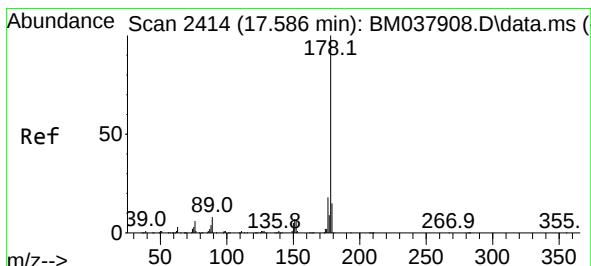
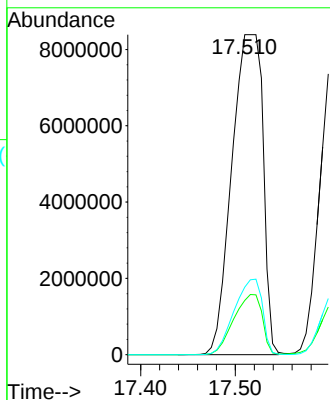
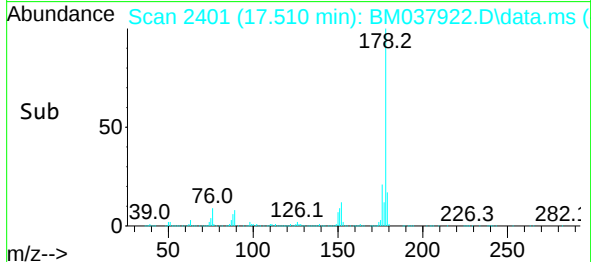
Instrument :
BNA_M
ClientSampleId :
DBXN1



Tgt Ion:178 Resp:1918360
Ion Ratio Lower Upper
178 100
179 16.9 12.2 18.2
176 21.1 15.4 23.0

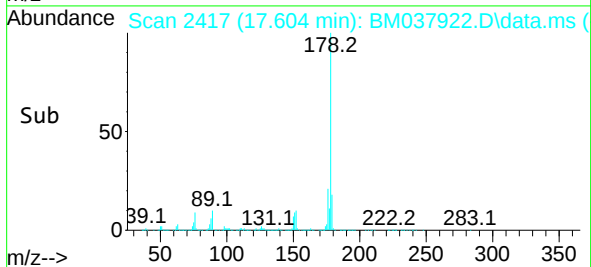
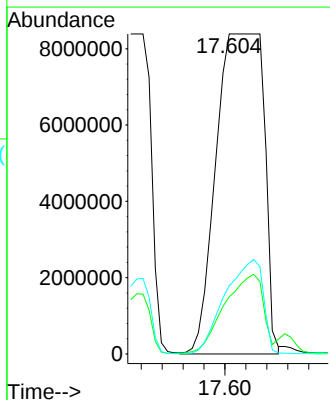
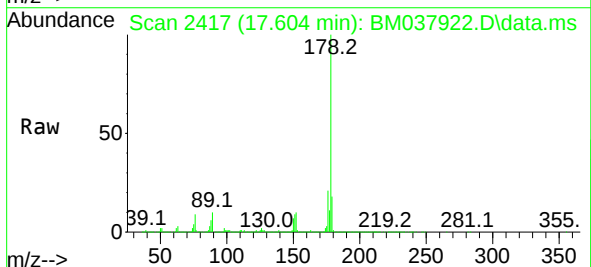
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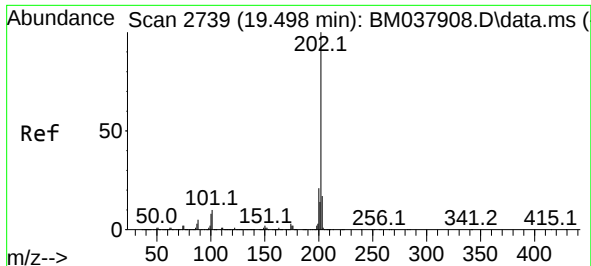
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022



#74
Anthracene
Concen: 366.073 ng/ul m
RT: 17.604 min Scan# 2417
Delta R.T. 0.018 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

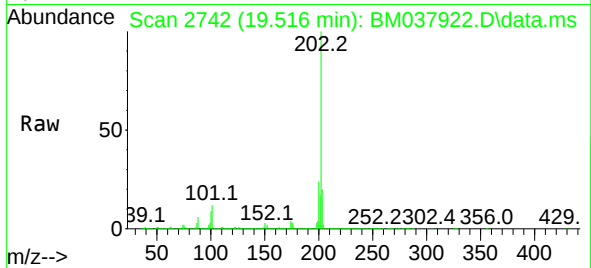
Tgt Ion:178 Resp:26490467
Ion Ratio Lower Upper
178 100
179 17.9 11.8 17.8#
176 21.3 15.0 22.6





#80
Fluoranthene
Concen: 212.103 ng/u1
RT: 19.516 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

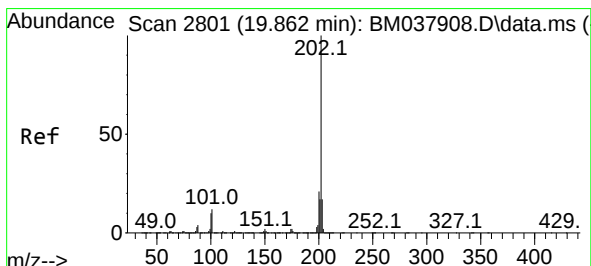
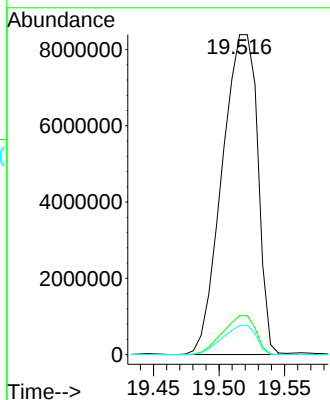
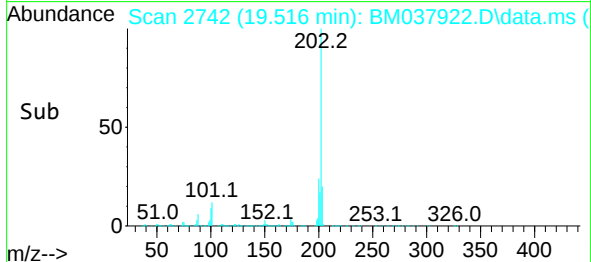
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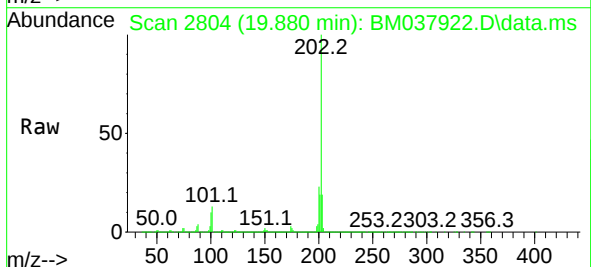
Tgt Ion:202 Resp:15803728
Ion Ratio Lower Upper
202 100
101 12.2 8.6 13.0
100 9.1 6.6 10.0

Manual Integrations
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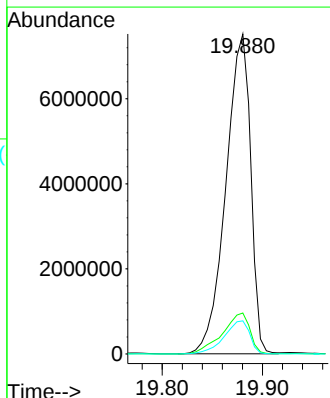
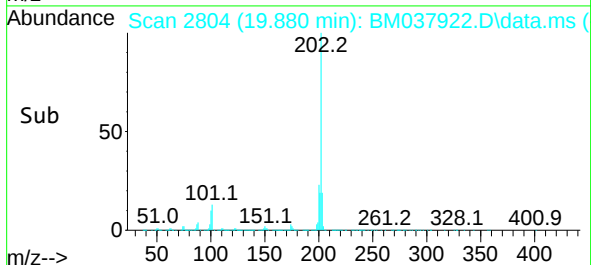
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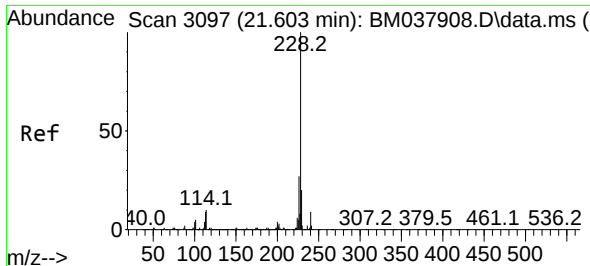


#82
Pyrene
Concen: 166.486 ng/u1
RT: 19.880 min Scan# 2804
Delta R.T. 0.018 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21



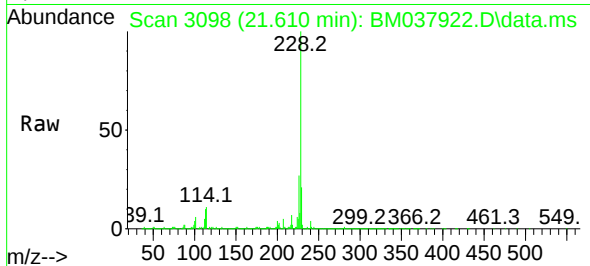
Tgt Ion:202 Resp:12910148
Ion Ratio Lower Upper
202 100
101 12.8 10.0 15.0
100 10.4 7.9 11.9





#85
Benzo(a)anthracene
Concen: 49.715 ng/uI
RT: 21.610 min Scan# 3098
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

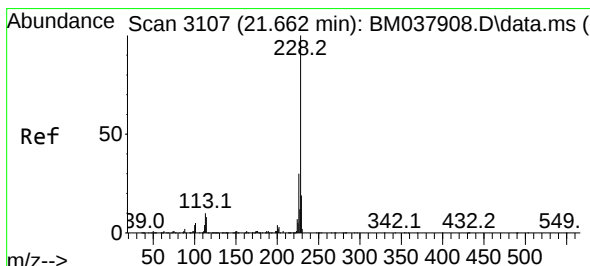
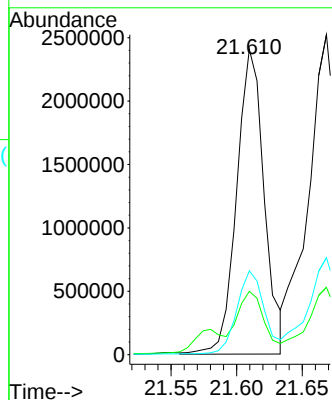
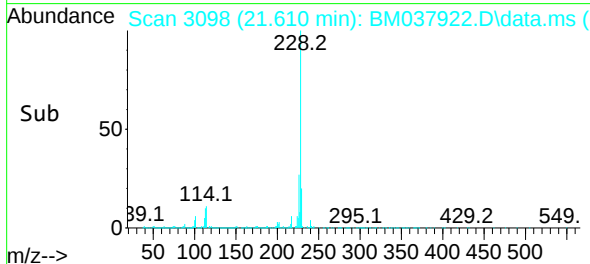
Instrument :
BNA_M
ClientSampleId :
DBXN1



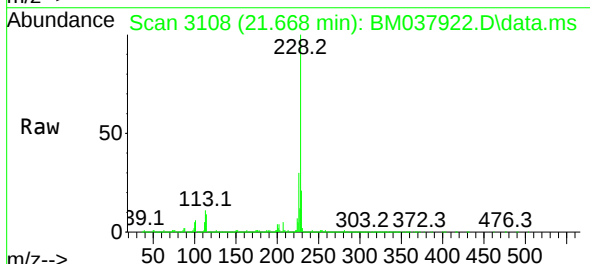
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Ion Ratio Lower Upper
228 100
229 20.8 15.5 23.3
226 27.4 21.8 32.8

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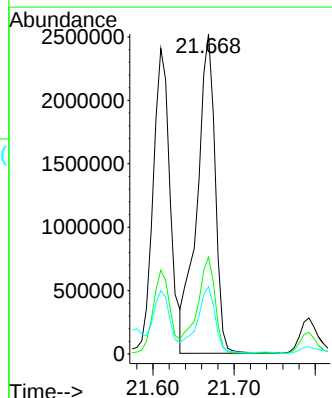
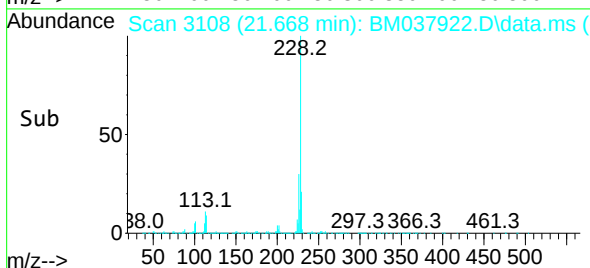
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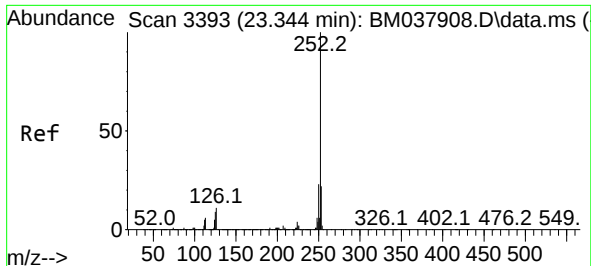


#87
Chrysene
Concen: 58.699 ng/uI
RT: 21.668 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21



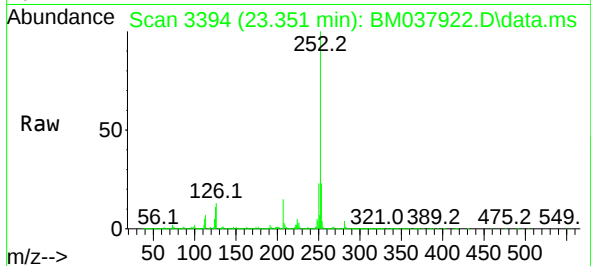
Tgt Ion:228 Resp: 3896861
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 21.0 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 43.028 ng/ul
RT: 23.351 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

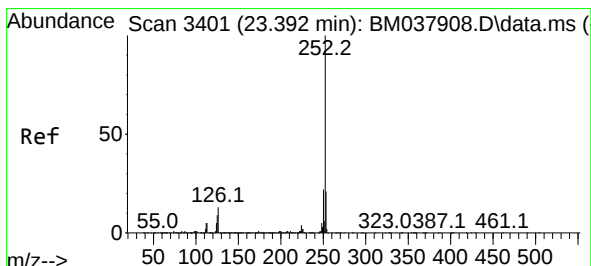
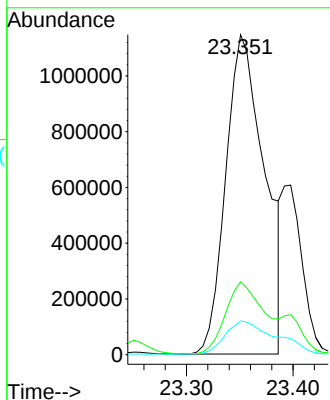
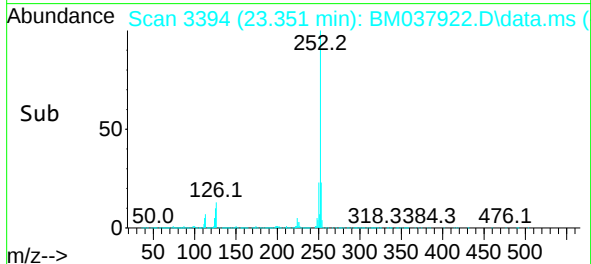
Instrument :
BNA_M
ClientSampleId :
DBXN1



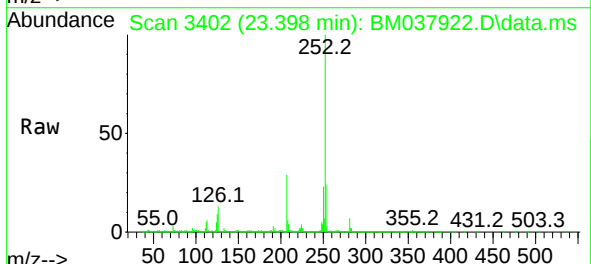
Tgt Ion:252 Resp: 2900189
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 10.5 8.0 12.0

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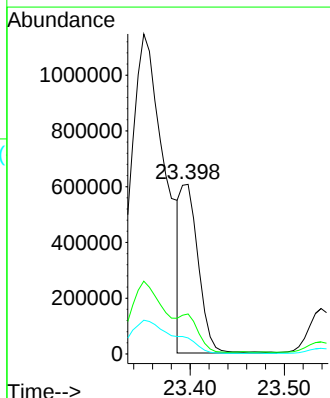
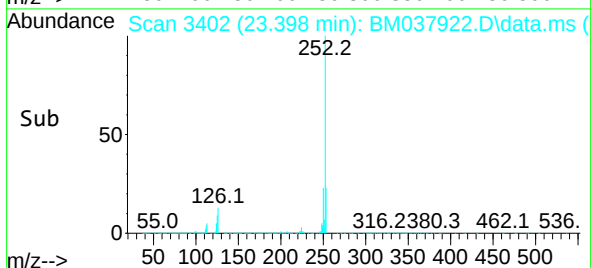
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022

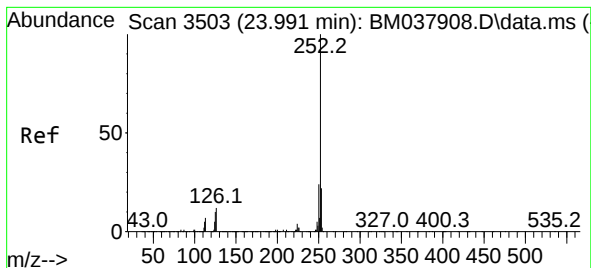


#91
Benzo(k)fluoranthene
Concen: 12.246 ng/ul m
RT: 23.398 min Scan# 3402
Delta R.T. 0.006 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21



Tgt Ion:252 Resp: 799973
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 9.4 8.1 12.1





#93

Benzo(a)pyrene

Concen: 21.264 ng/ul

RT: 23.998 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

Instrument :

BNA_M

ClientSampleId :

DBXN1

Tgt Ion:252 Resp: 1260370

Ion Ratio Lower Upper

252 100

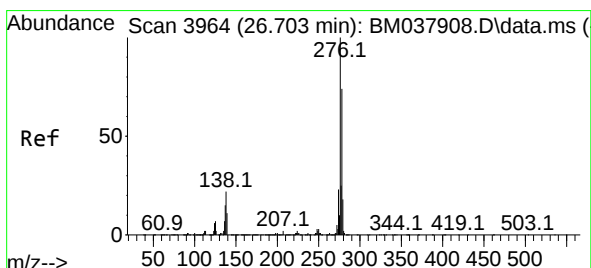
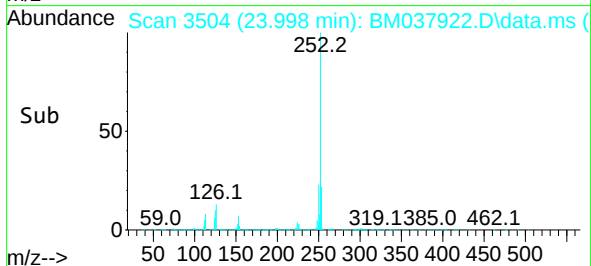
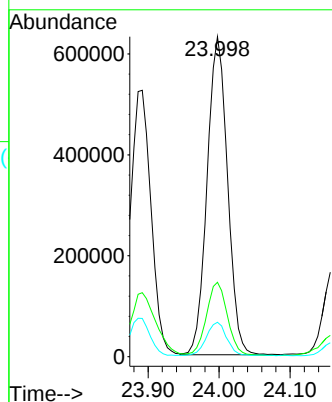
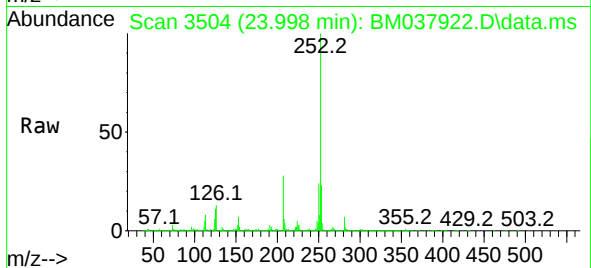
253 23.3 17.4 26.0

125 10.8 9.4 14.0

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.724 ng/ul

RT: 26.698 min Scan# 3963

Delta R.T. -0.006 min

Lab File: BM037922.D

Acq: 09 Dec 2022 18:21

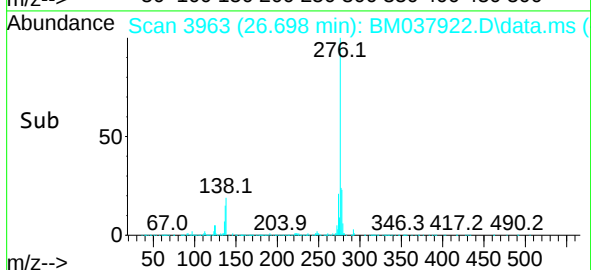
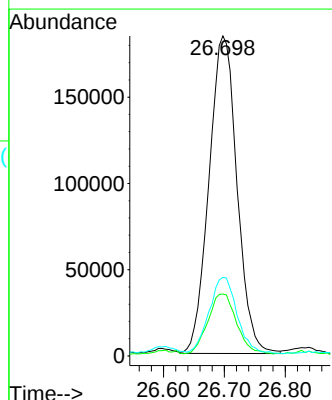
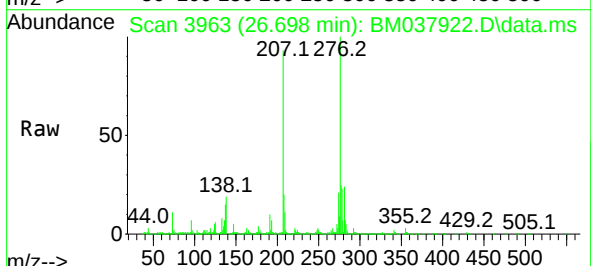
Tgt Ion:276 Resp: 589592

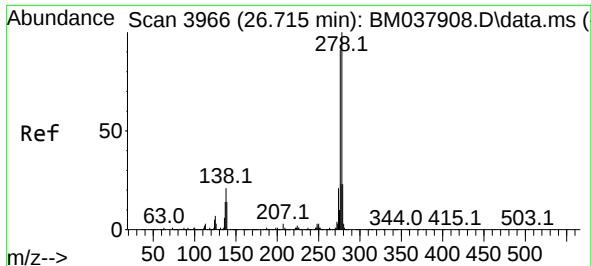
Ion Ratio Lower Upper

276 100

138 19.4 19.3 28.9

277 24.6 19.8 29.8





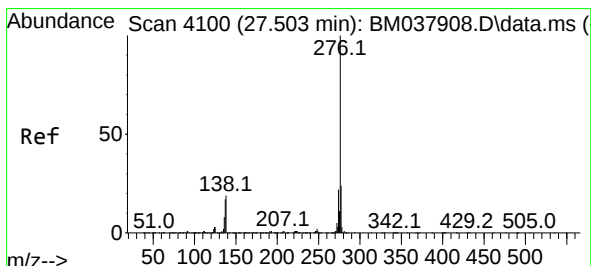
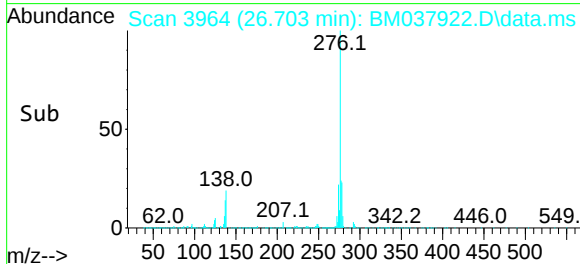
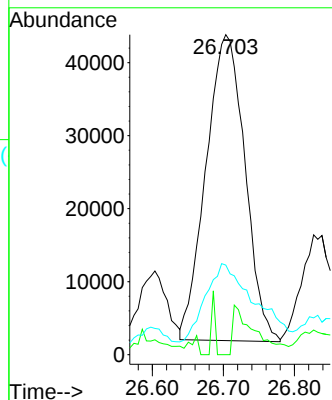
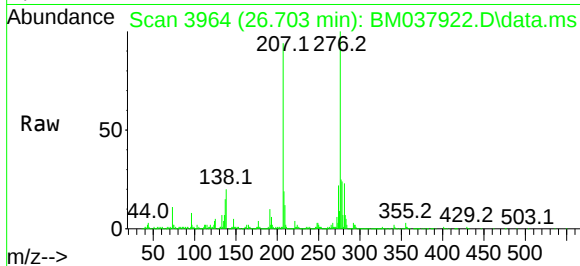
#95
Dibenzo(a,h)anthracene
Concen: 2.481 ng/ul
RT: 26.703 min Scan# 3966
Delta R.T. -0.011 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

Instrument :
BNA_M
ClientSampleId :
DBXN1

Tgt Ion:278 Resp: 159630
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6
279 28.0 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: 6.977 ng/ul
RT: 27.503 min Scan# 4100
Delta R.T. 0.000 min
Lab File: BM037922.D
Acq: 09 Dec 2022 18:21

Tgt Ion:276 Resp: 425240
Ion Ratio Lower Upper
276 100
138 19.1 17.1 25.7
277 23.0 18.2 27.4

