

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037898.D
 Acq On : 08 Dec 2022 22:07
 Operator : CG/JU
 Sample : N5832-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXK4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022
 Supervised By :mohammad ahmed 12/10/2022

Quant Time: Dec 09 01:50:25 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	336489	20.000	ng/u1	0.00
20) Naphthalene-d8	10.904	136	1245745	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.715	164	652109	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	1261009	20.000	ng/u1	0.00
79) Chrysene-d12	21.621	240	1191636	20.000	ng/u1	0.00
88) Perylene-d12	24.109	264	1413520	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	4669	0.630	ng/uL	0.00
4) Pyridine-d5	3.887	84	23692m	1.078	ng/u1	0.02
7) Phenol-d5	7.239	99	97774	3.576	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	59799	3.592	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	80101	3.571	ng/u1	0.00
15) 4-Methylphenol-d8	8.792	113	72217	3.383	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	38401	3.893	ng/u1	0.00
24) 2-Nitrophenol-d4	9.980	143	37350	3.613	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	67468	3.436	ng/u1	0.00
31) 4-Chloroaniline-d4	11.045	131	47161	1.740	ng/u1	0.00
46) Dimethylphthalate-d6	14.121	166	178547	3.840	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	221964	3.906	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	17778	2.244	ng/u1	0.00
60) Fluorene-d10	15.698	176	168733	4.074	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	13537	2.008	ng/u1	0.00
73) Anthracene-d10	17.551	188	268010	4.554	ng/u1	0.00
81) Pyrene-d10	19.833	212	298306	4.167	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.944	264	305925	4.333	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.957	128	203454	3.026	ng/u1	98
36) 2-Methylnaphthalene	12.557	142	84469	1.937	ng/u1	95
50) Acenaphthylene	14.439	152	231874	3.711	ng/u1	97
52) Acenaphthene	14.774	153	77004	1.782	ng/u1	99
61) Fluorene	15.757	166	235894	4.903	ng/u1	99
71) Pentachlorophenol	17.104	266	15052	1.641	ng/u1	98
72) Phenanthrene	17.498	178	867433	12.596	ng/u1	100
74) Anthracene	17.592	178	5021808	71.758	ng/u1	99
80) Fluoranthene	19.503	202	1248928	14.784	ng/u1	97
82) Pyrene	19.862	202	1720889	19.573	ng/u1	99
85) Benzo(a)anthracene	21.603	228	563025	7.018	ng/u1	96
87) Chrysene	21.656	228	1080639	14.357	ng/u1	97
90) Benzo(b)fluoranthene	23.350	252	3116047m	35.558	ng/u1	
91) Benzo(k)fluoranthene	23.386	252	534312m	6.291	ng/u1	
93) Benzo(a)pyrene	23.997	252	1309003	16.986	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.703	276	928927	9.360	ng/u1	95
95) Dibenzo(a,h)anthracene	26.703	278	228643m	2.733	ng/u1	
96) Benzo(g,h,i)perylene	27.503	276	689975	8.707	ng/u1	99

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

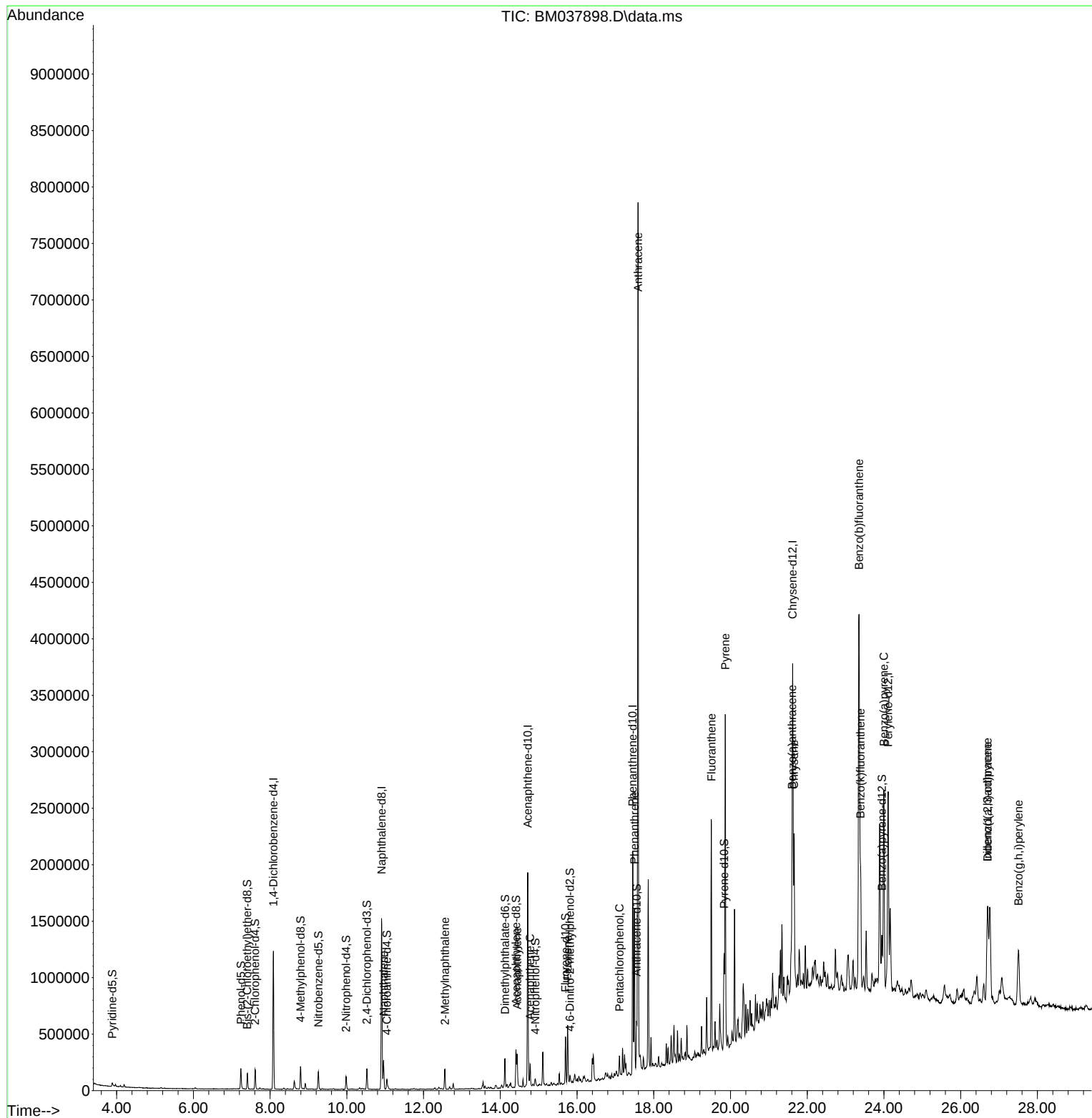
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
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 ALS Vial : 23 Sample Multiplier: 1

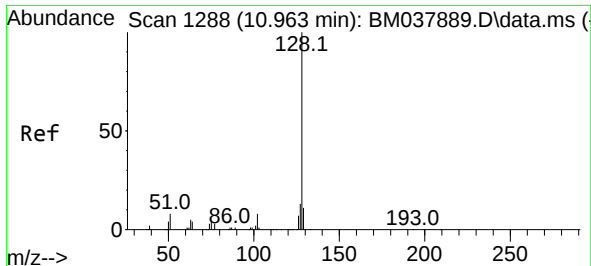
Instrument :
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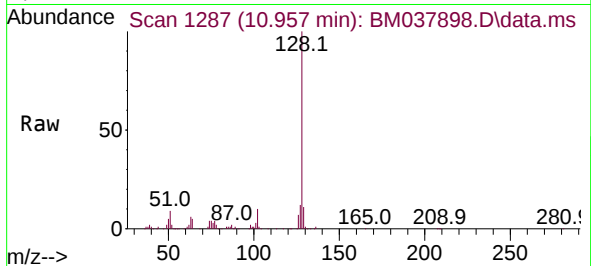
Quant Time: Dec 09 01:50:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 08 01:49:06 2022
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#30
Naphthalene
Concen: 3.026 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

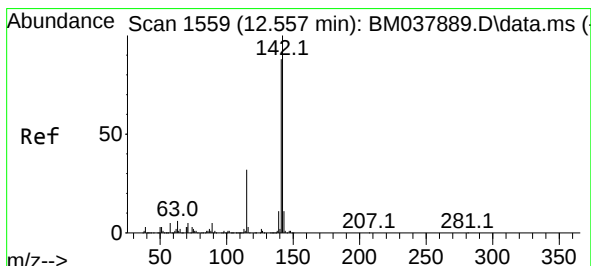
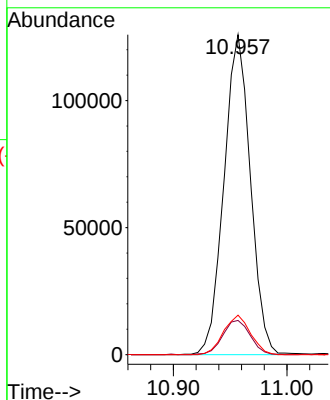
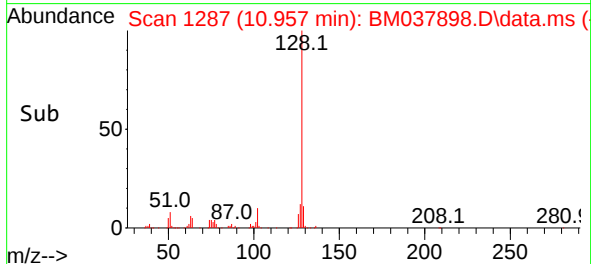
Instrument :
BNA_M
ClientSampleId :
DBXK4



Tgt Ion:128 Resp: 203454
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.3 10.4 15.6

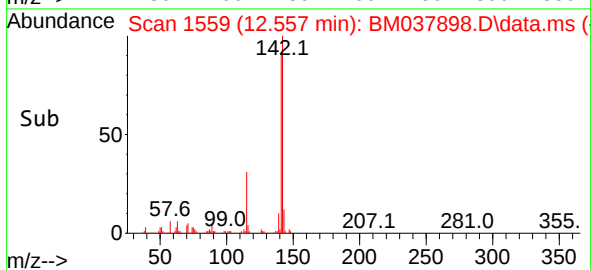
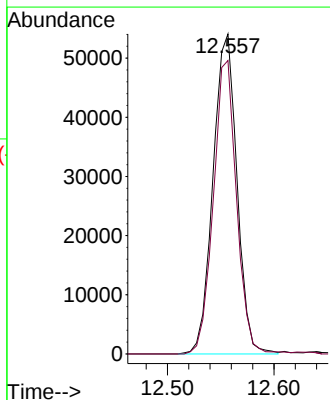
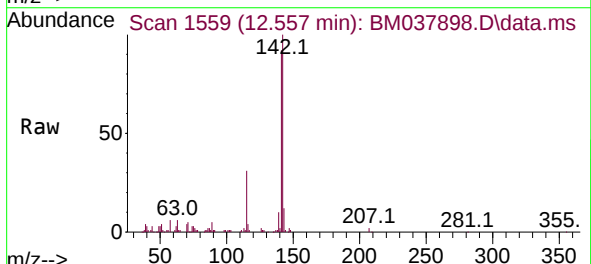
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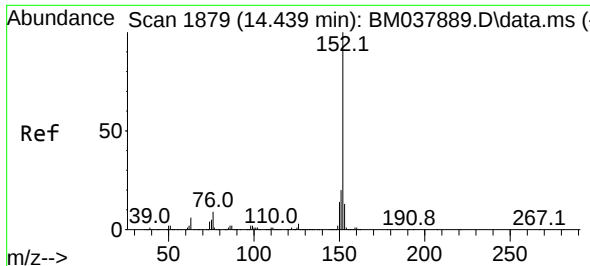
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#36
2-Methylnaphthalene
Concen: 1.937 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

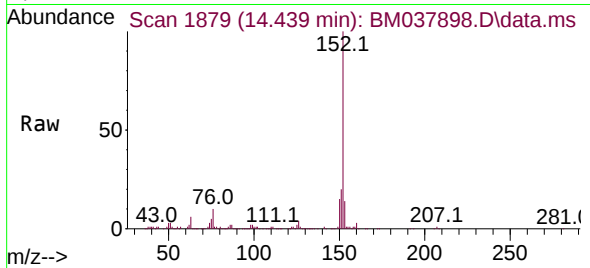
Tgt Ion:142 Resp: 84469
Ion Ratio Lower Upper
142 100
141 91.7 69.4 104.0





#50
Acenaphthylene
Concen: 3.711 ng/ul
RT: 14.439 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

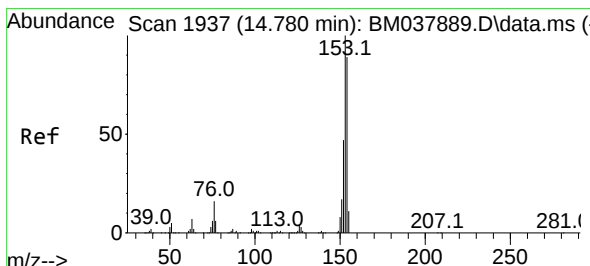
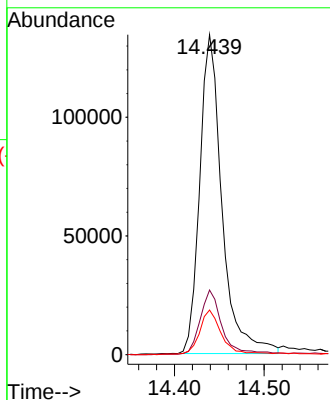
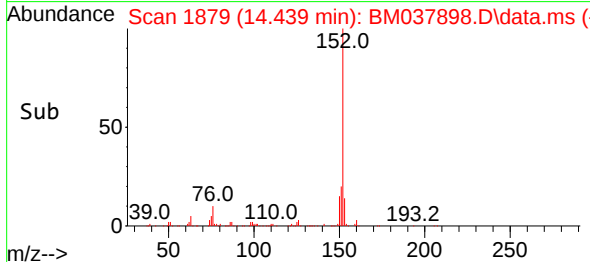
Instrument :
BNA_M
ClientSampleId :
DBXK4



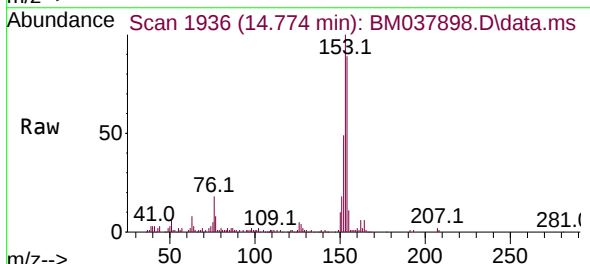
Tgt Ion:152 Resp: 231874
Ion Ratio Lower Upper
152 100
151 20.2 15.3 22.9
153 13.9 10.2 15.4

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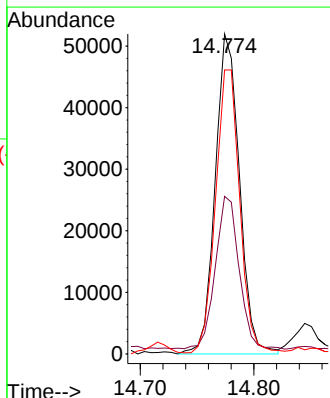
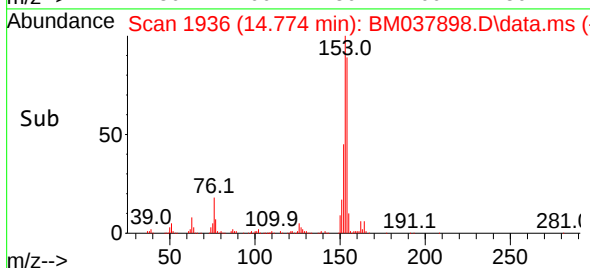
Reviewed By :Jagrut Upadhyay 12/09/2022
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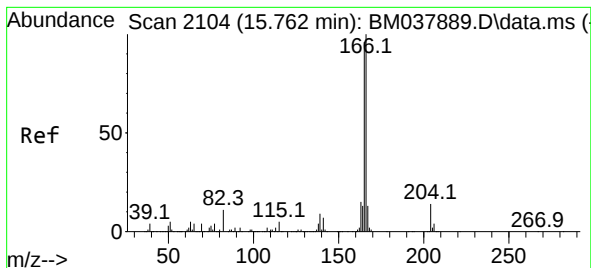


#52
Acenaphthene
Concen: 1.782 ng/ul
RT: 14.774 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07



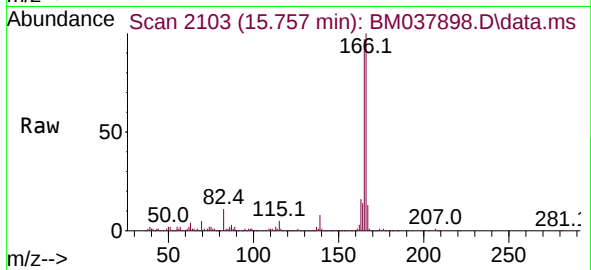
Tgt Ion:153 Resp: 77004
Ion Ratio Lower Upper
153 100
152 49.2 38.2 57.4
154 88.7 71.4 107.0





#61
Fluorene
Concen: 4.903 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

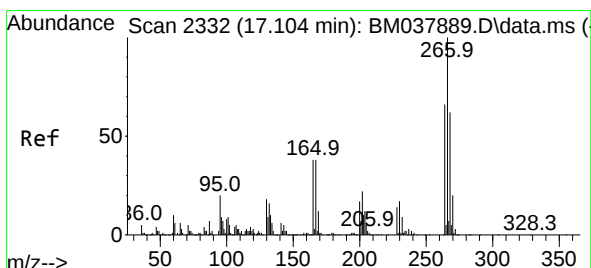
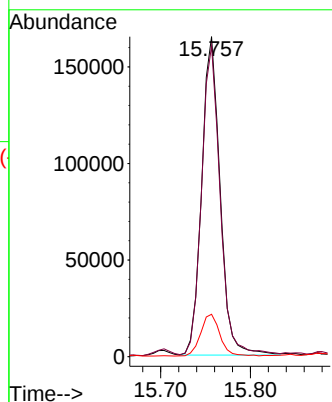
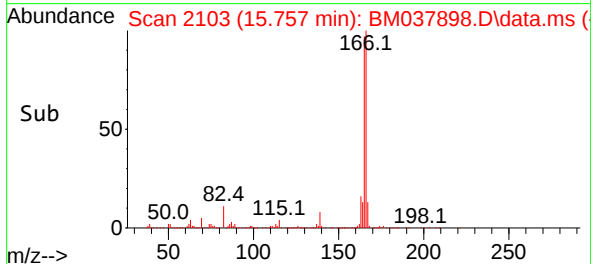
Instrument :
BNA_M
ClientSampleId :
DBXK4



Tgt Ion:166 Resp: 235894
Ion Ratio Lower Upper
166 100
165 97.1 77.2 115.8
167 13.2 10.4 15.6

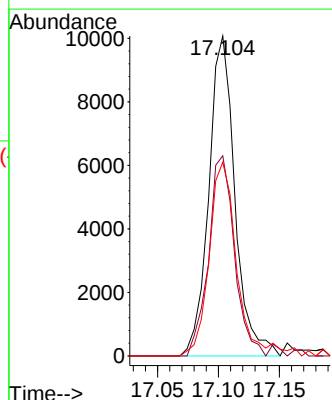
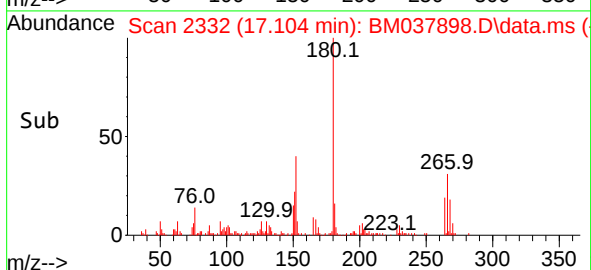
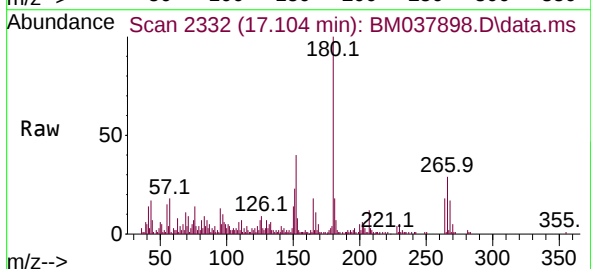
Manual Integrations
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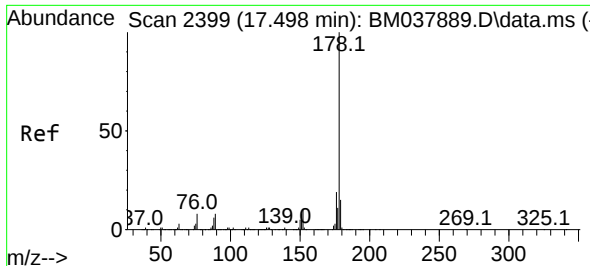
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#71
Pentachlorophenol
Concen: 1.641 ng/ul
RT: 17.104 min Scan# 2332
Delta R.T. -0.000 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

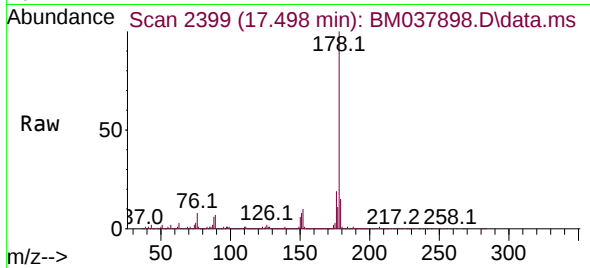
Tgt Ion:266 Resp: 15052
Ion Ratio Lower Upper
266 100
264 62.5 50.1 75.1
268 60.5 50.6 75.8





#72
Phenanthrene
Concen: 12.596 ng/uI
RT: 17.498 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

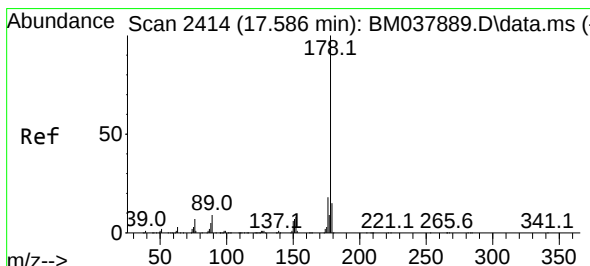
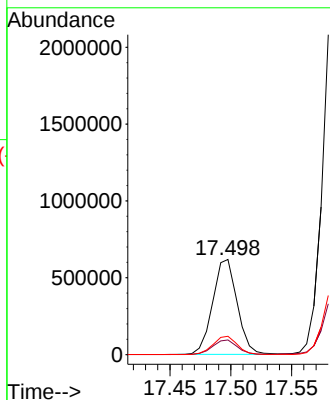
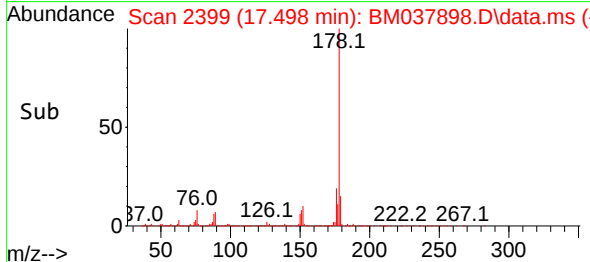
Instrument :
BNA_M
ClientSampleId :
DBXK4



Tgt Ion:178 Resp: 867433
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.2
176 19.2 15.4 23.0

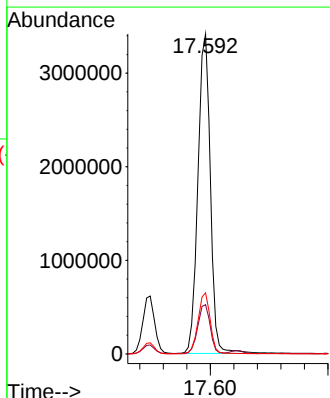
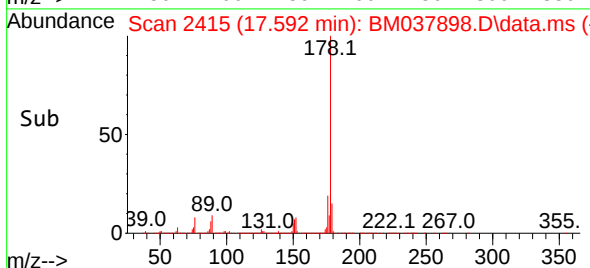
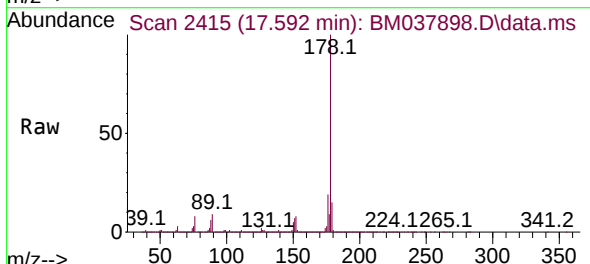
Manual Integrations
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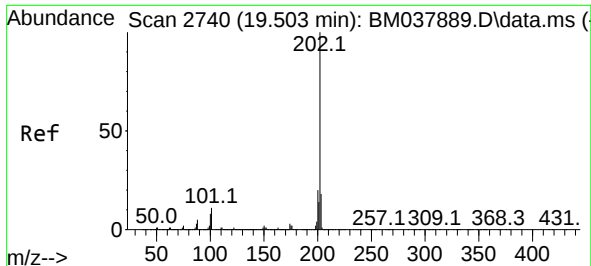
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#74
Anthracene
Concen: 71.758 ng/uI
RT: 17.592 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

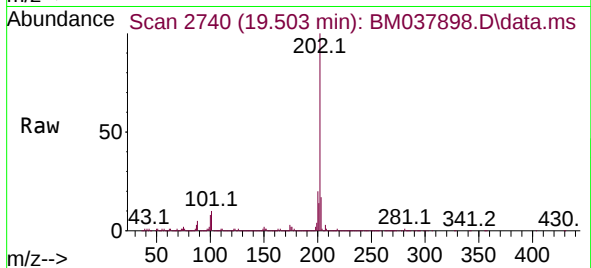
Tgt Ion:178 Resp: 5021808
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 19.1 15.0 22.6





#80
Fluoranthene
Concen: 14.784 ng/ul
RT: 19.503 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

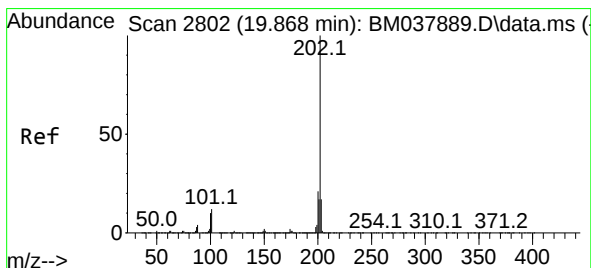
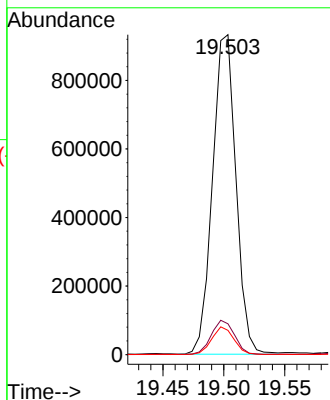
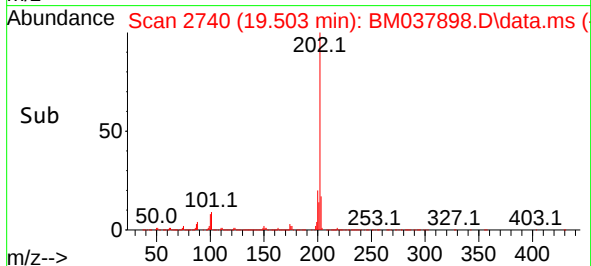
Instrument :
BNA_M
ClientSampleId :
DBXK4



Tgt Ion:202 Resp: 1248928
Ion Ratio Lower Upper
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101 9.6 8.6 13.0
100 7.6 6.6 10.0

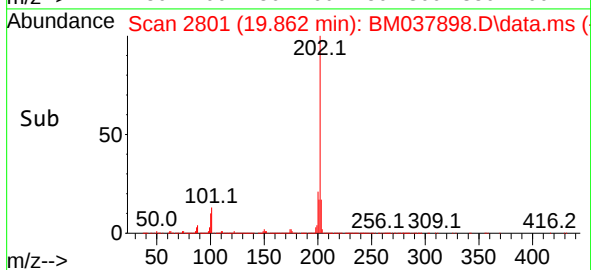
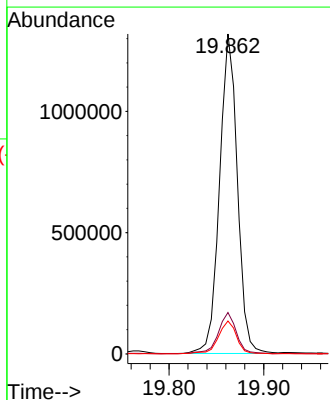
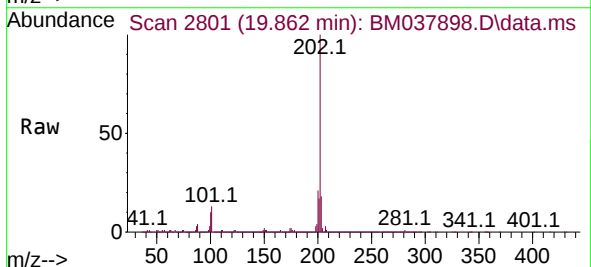
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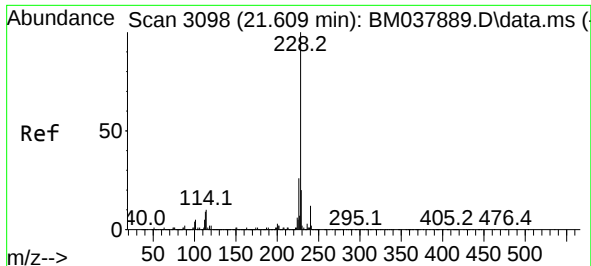
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#82
Pyrene
Concen: 19.573 ng/ul
RT: 19.862 min Scan# 2801
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

Tgt Ion:202 Resp: 1720889
Ion Ratio Lower Upper
202 100
101 12.9 10.0 15.0
100 10.3 7.9 11.9





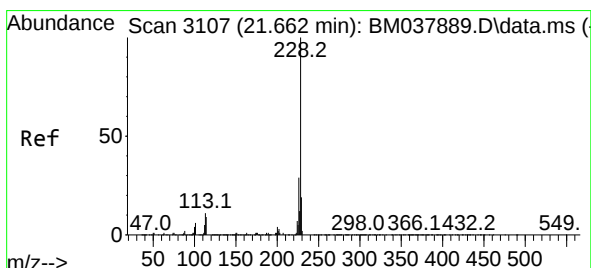
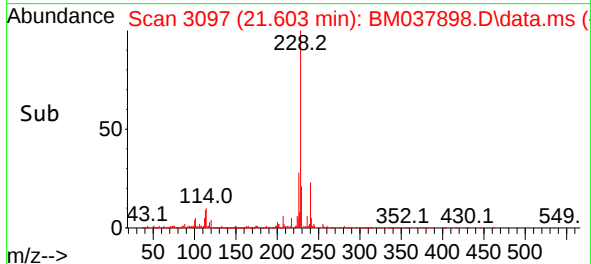
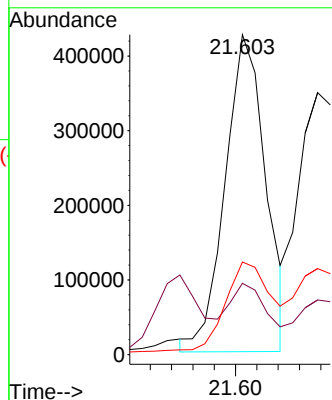
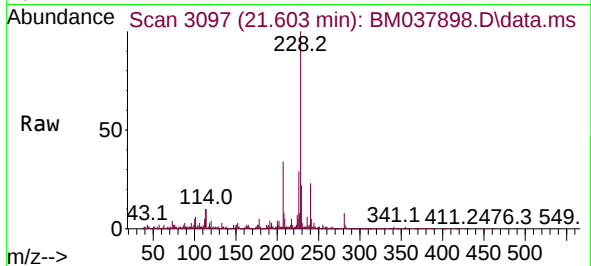
#85
Benzo(a)anthracene
Concen: 7.018 ng/ul
RT: 21.603 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

Instrument :
BNA_M
ClientSampleId :
DBXK4

Tgt Ion:228 Resp: 563025
Ion Ratio Lower Upper
228 100
229 22.3 15.5 23.3
226 28.9 21.8 32.8

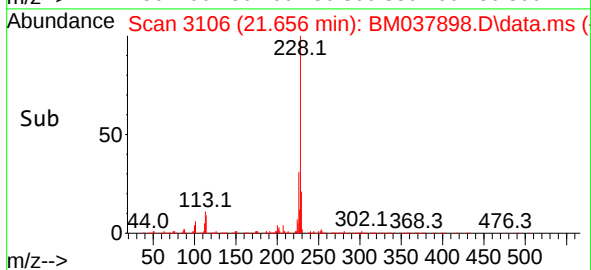
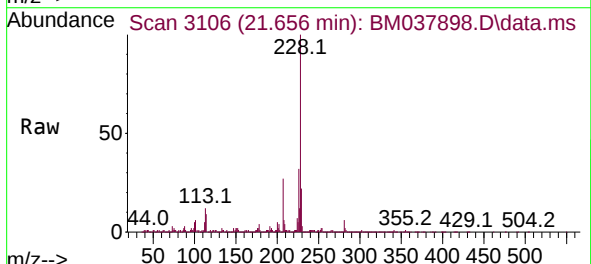
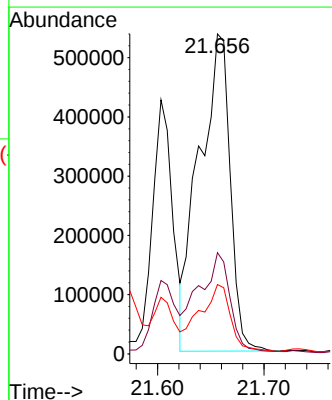
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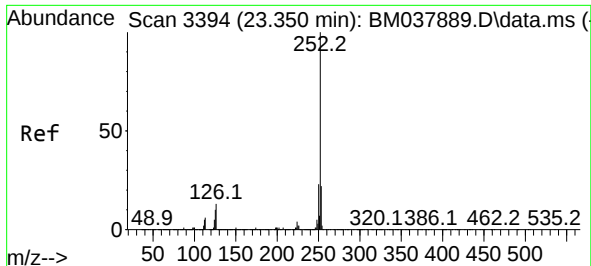
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#87
Chrysene
Concen: 14.357 ng/ul
RT: 21.656 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

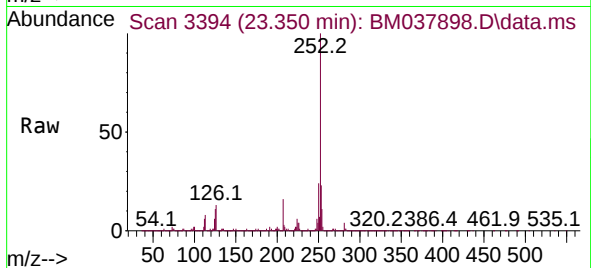
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Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 21.7 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 35.558 ng/ul m
RT: 23.350 min Scan# 3394
Delta R.T. 0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

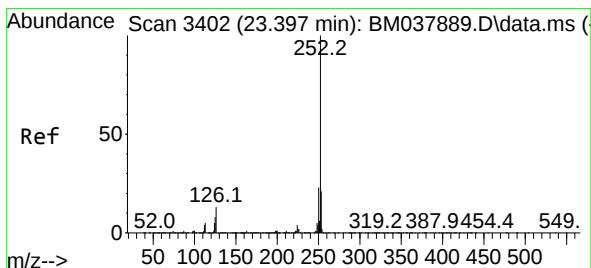
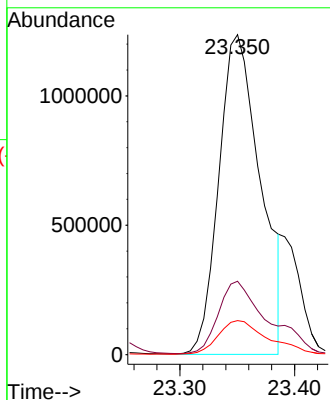
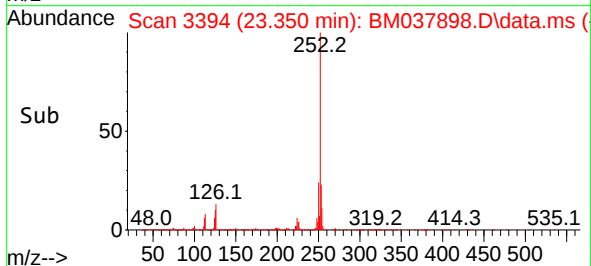
Instrument :
BNA_M
ClientSampleId :
DBXK4



Tgt Ion:252 Resp: 311604
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.7 8.0 12.0

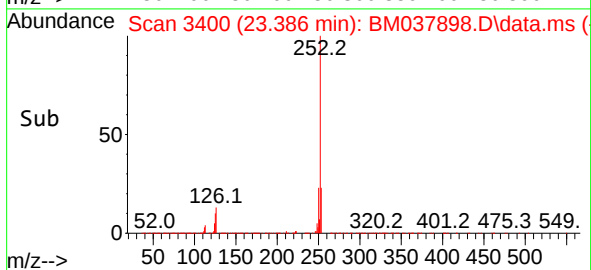
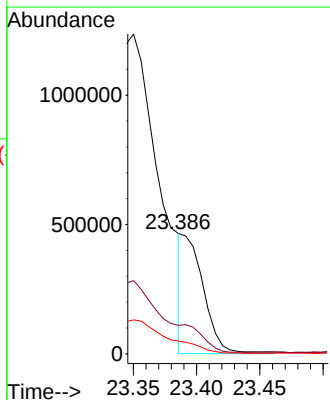
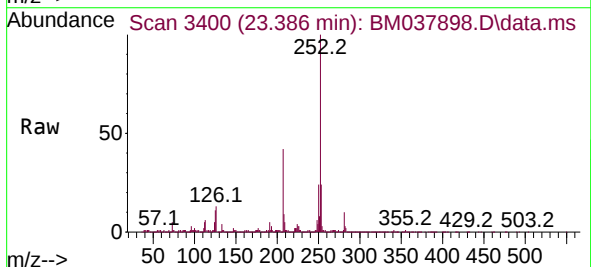
Manual Integrations
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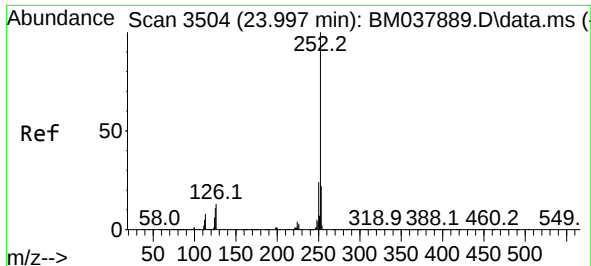
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#91
Benzo(k)fluoranthene
Concen: 6.291 ng/ul m
RT: 23.386 min Scan# 3400
Delta R.T. -0.012 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

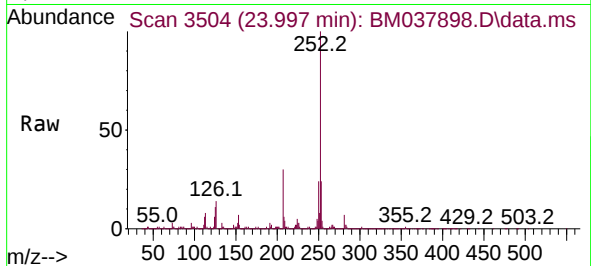
Tgt Ion:252 Resp: 534312
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 10.7 8.1 12.1





#93
Benzo(a)pyrene
Concen: 16.986 ng/ul
RT: 23.997 min Scan# 3504
Delta R.T. -0.000 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

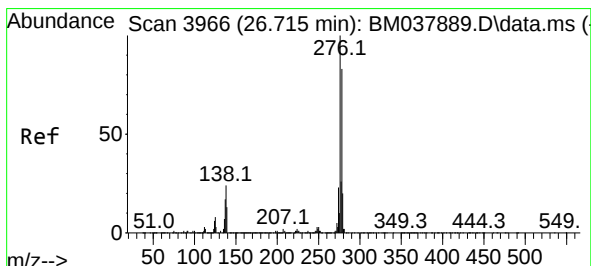
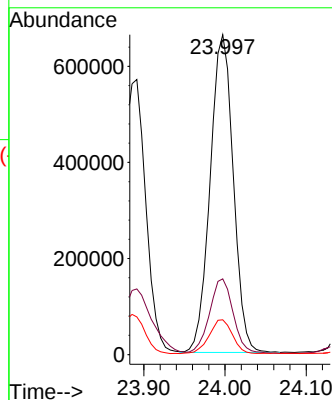
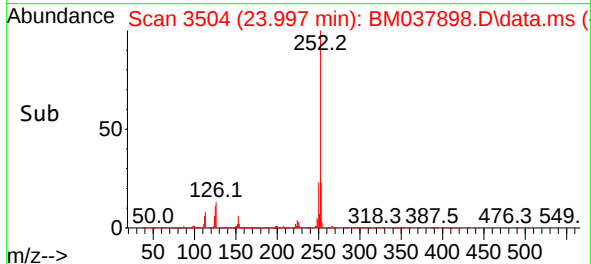
Instrument :
BNA_M
ClientSampleId :
DBXK4



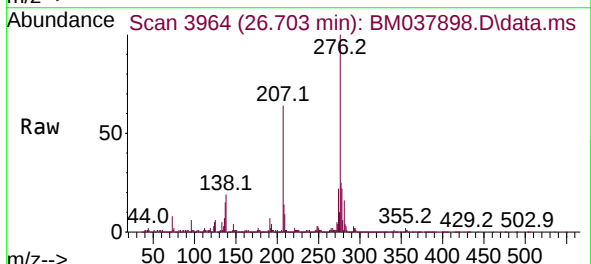
Tgt Ion:252 Resp: 1309003
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 10.9 9.4 14.0

Manual Integrations
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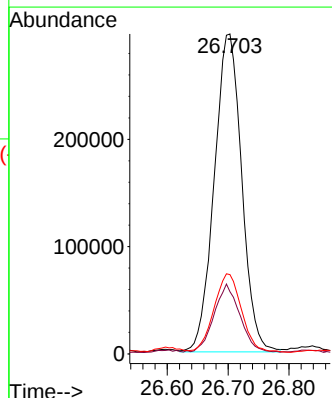
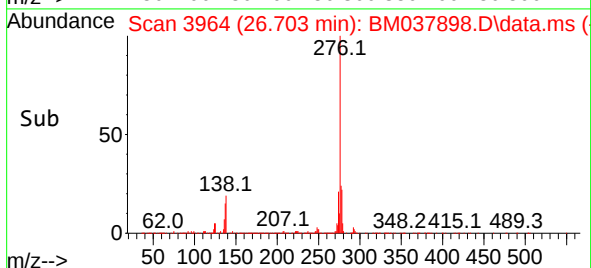
Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022

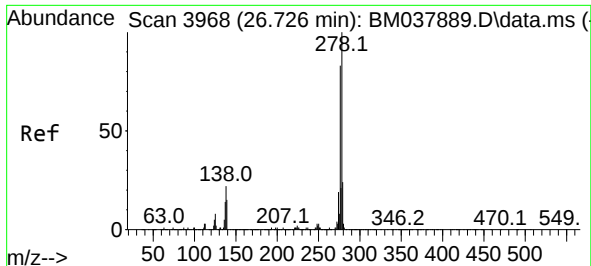


#94
Indeno(1,2,3-cd)pyrene
Concen: 9.360 ng/ul
RT: 26.703 min Scan# 3964
Delta R.T. -0.006 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07



Tgt Ion:276 Resp: 928927
Ion Ratio Lower Upper
276 100
138 19.4 19.3 28.9
277 24.8 19.8 29.8





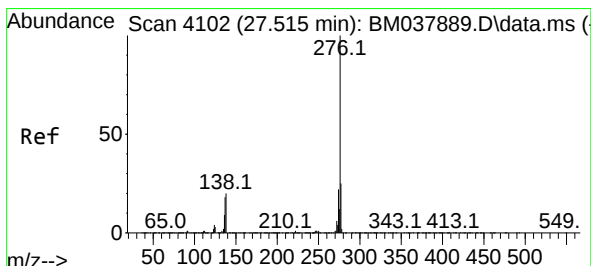
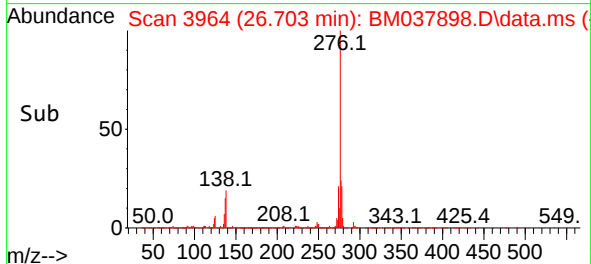
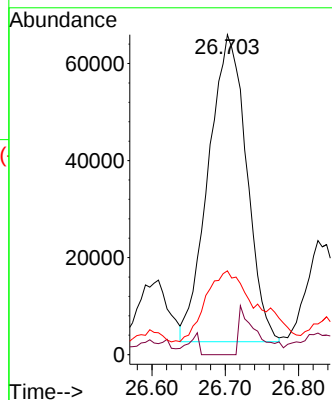
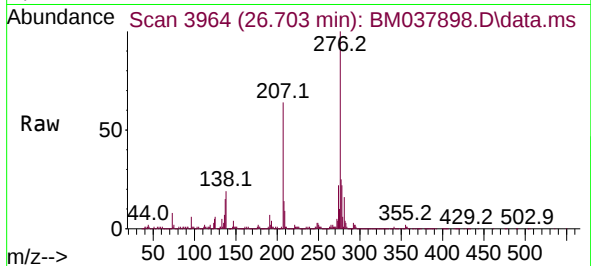
#95
Dibenzo(a,h)anthracene
Concen: 2.733 ng/ul m
RT: 26.703 min Scan# 3964
Delta R.T. -0.024 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

Instrument :
BNA_M
ClientSampleId :
DBXK4

Tgt Ion:278 Resp: 228643
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6
279 26.2 19.8 29.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022
Supervised By :mohammad ahmed 12/10/2022



#96
Benzo(g,h,i)perylene
Concen: 8.707 ng/ul
RT: 27.503 min Scan# 4100
Delta R.T. -0.012 min
Lab File: BM037898.D
Acq: 08 Dec 2022 22:07

Tgt Ion:276 Resp: 689975
Ion Ratio Lower Upper
276 100
138 21.3 17.1 25.7
277 23.2 18.2 27.4

