

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049202.D
 Acq On : 25 Dec 2024 02:01
 Operator : RC/JU
 Sample : P5333-22MSD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2923MSD

Manual Integrations
 APPROVED

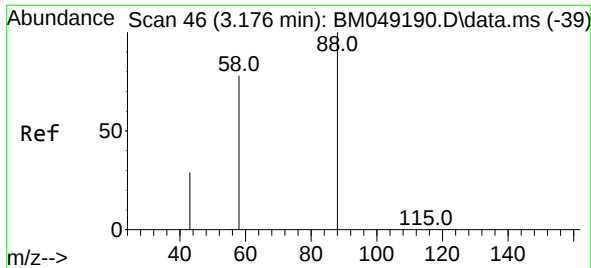
Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 02:32:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

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

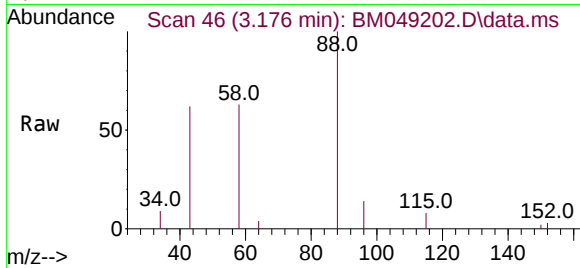
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	6088	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	18851	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.182	164	10904	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.933	188	23266	0.400	ng/ul	-0.02
17) Chrysene-d12	21.134	240	20662	0.400	ng/ul	-0.01
23) Perylene-d12	23.285	264	22572	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	1616	0.230	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.909	152	4549	0.180	ng/ul	-0.02
18) Fluoranthene-d10	18.968	212	11321	0.193	ng/ul	-0.01
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.176	88	4525	0.551	ng/ul	91
5) Naphthalene	10.358	128	12219	0.259	ng/ul	99
7) 2-Methylnaphthalene	11.980	142	7214	0.241	ng/ul	96
8) 1-Methylnaphthalene	12.206	142	7183	0.235	ng/ul	99
10) Acenaphthylene	13.899	152	10541	0.233	ng/ul	98
11) Acenaphthene	14.246	153	15403	0.467	ng/ul	100
12) Fluorene	15.241	166	16890	0.454	ng/ul	98
14) Pentachlorophenol	16.591	266	500	0.078	ng/ul	95
15) Phenanthrene	16.971	178	205581	3.383	ng/ul	98
16) Anthracene	17.064	178	53056	0.951	ng/ul	100
19) Fluoranthene	18.996	202	387135	5.182	ng/ul	99
20) Pyrene	19.363	202	240794	3.022	ng/ul	97
21) Benzo(a)anthracene	21.117	228	184356	2.565	ng/ul	100
22) Chrysene	21.170	228	166053	2.153	ng/ul	98
24) Benzo(b)fluoranthene	22.648	252	205344m	2.848	ng/ul	
25) Benzo(k)fluoranthene	22.686	252	92345m	1.167	ng/ul	
26) Benzo(a)pyrene	23.192	252	68410m	0.989	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.414	276	71576	0.731	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.430	278	34735	0.457	ng/ul	99
29) Benzo(g,h,i)perylene	26.064	276	9248	0.117	ng/ul#	90

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



#2
1,4-Dioxane
Concen: 0.551 ng/ul
RT: 3.176 min Scan# 40
Delta R.T. -0.009 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

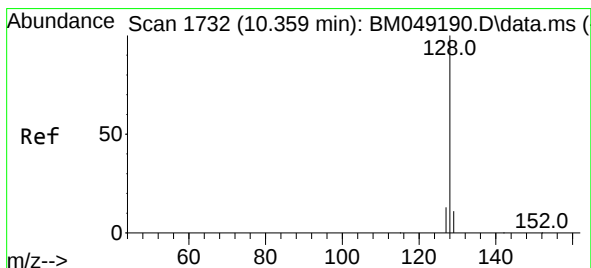
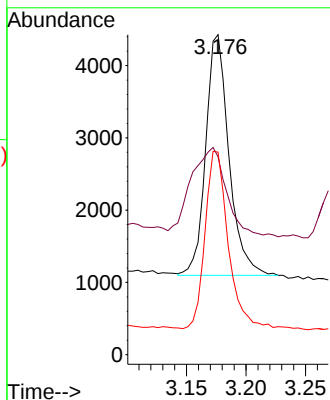
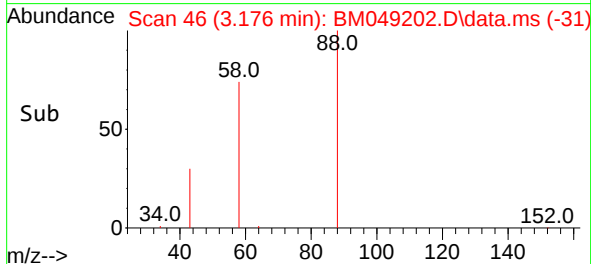
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion: 88 Resp: 452
Ion Ratio Lower Upper
88 100
43 61.8 45.4 68.2
58 63.3 43.6 65.4

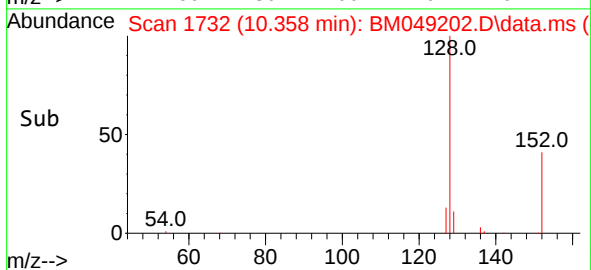
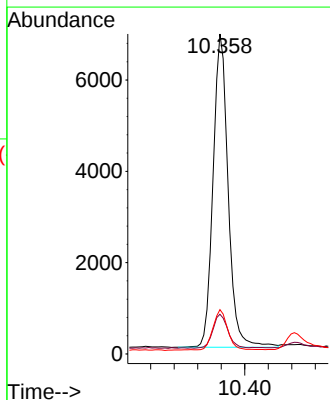
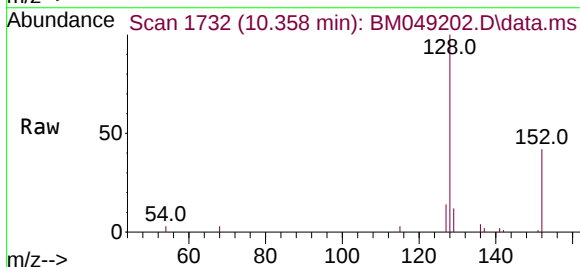
Manual Integrations
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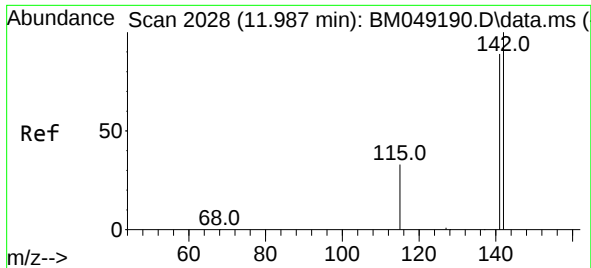
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#5
Naphthalene
Concen: 0.259 ng/ul
RT: 10.358 min Scan# 1732
Delta R.T. -0.022 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

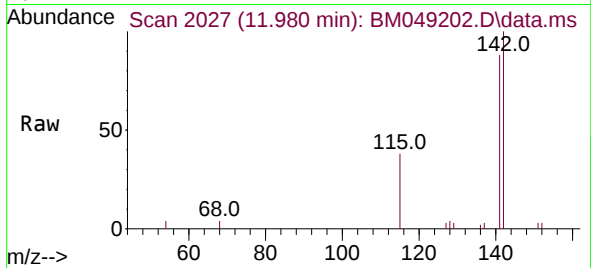
Tgt Ion:128 Resp: 12219
Ion Ratio Lower Upper
128 100
129 12.4 9.7 14.5
127 13.9 10.6 16.0





#7
2-Methylnaphthalene
Concen: 0.241 ng/ul
RT: 11.980 min Scan# 2027
Delta R.T. -0.022 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

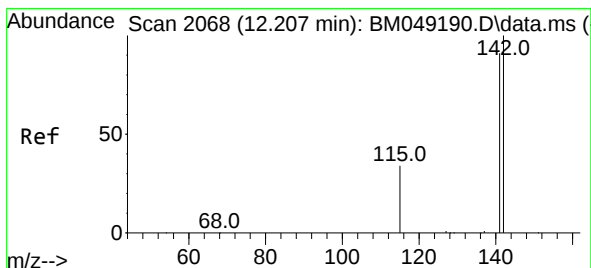
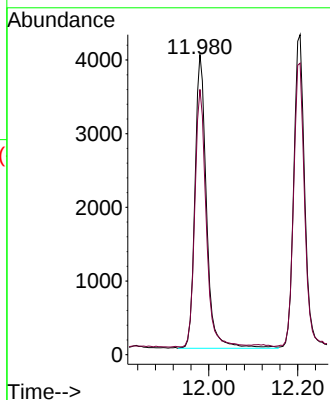
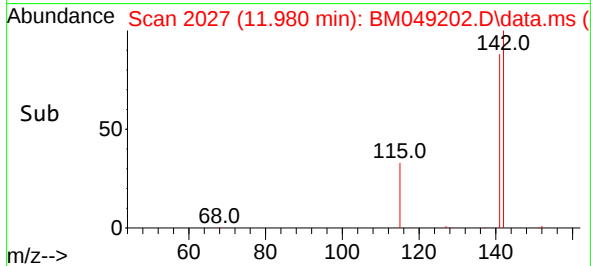
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:142 Resp: 7214
Ion Ratio Lower Upper
142 100
141 86.1 71.7 107.5

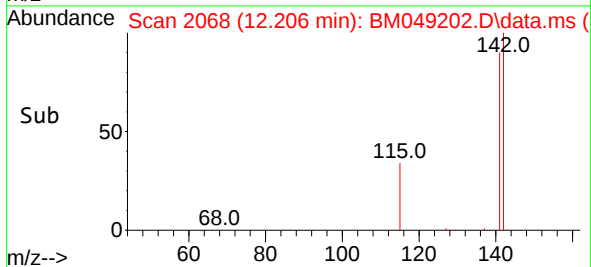
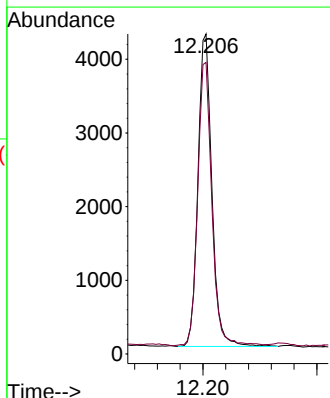
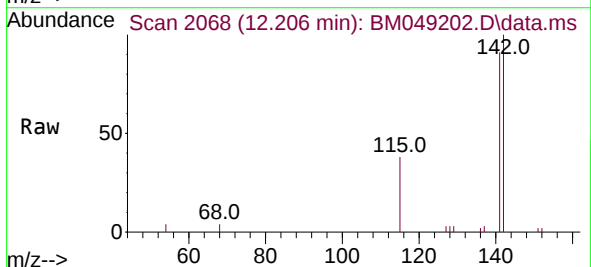
Manual Integrations
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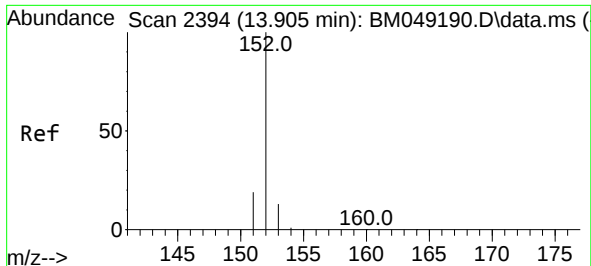
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#8
1-Methylnaphthalene
Concen: 0.235 ng/ul
RT: 12.206 min Scan# 2068
Delta R.T. -0.016 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

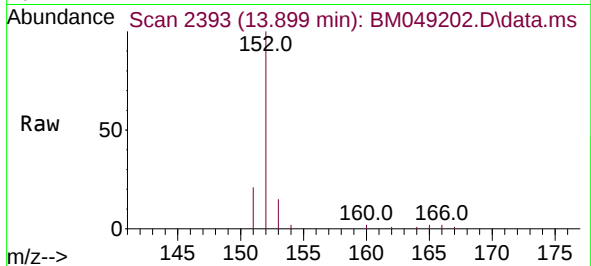
Tgt Ion:142 Resp: 7183
Ion Ratio Lower Upper
142 100
141 92.3 72.7 109.1





#10
Acenaphthylene
Concen: 0.233 ng/ul
RT: 13.899 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

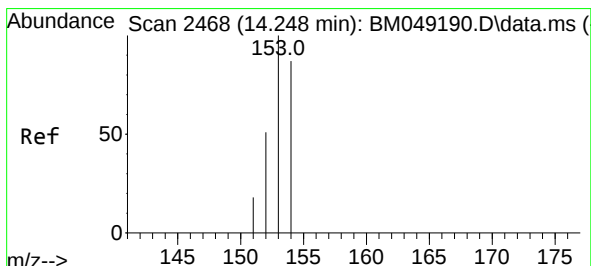
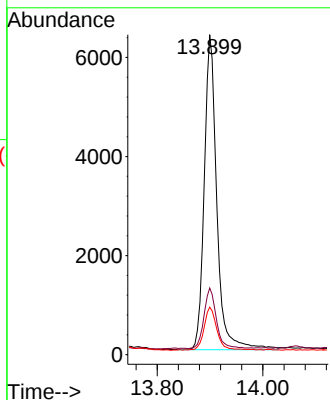
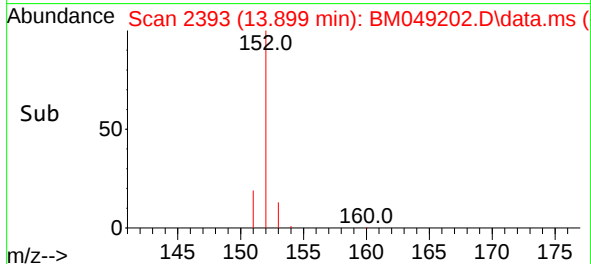
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:152 Resp: 1054
Ion Ratio Lower Upper
152 100
151 20.9 16.0 24.0
153 14.8 11.0 16.6

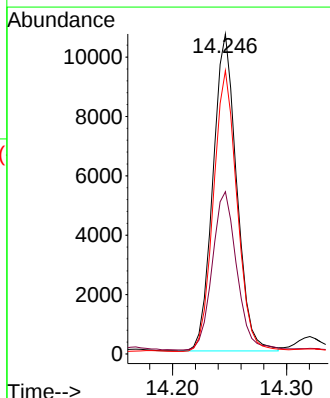
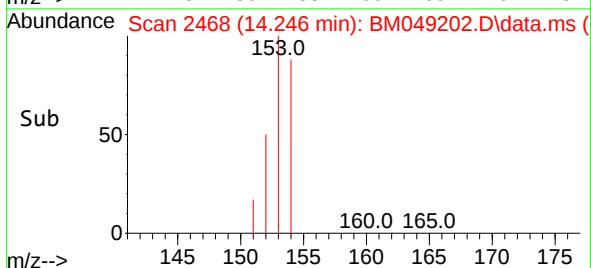
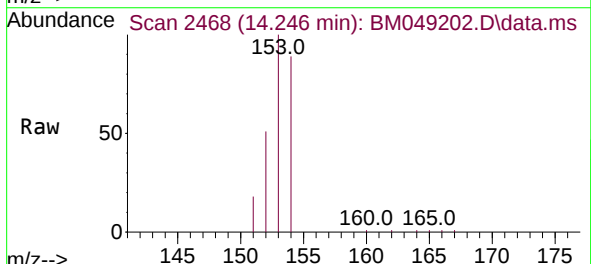
Manual Integrations
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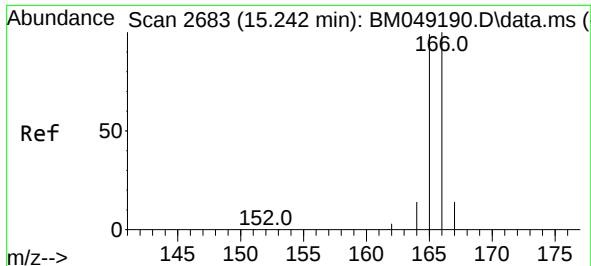
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#11
Acenaphthene
Concen: 0.467 ng/ul
RT: 14.246 min Scan# 2468
Delta R.T. -0.018 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

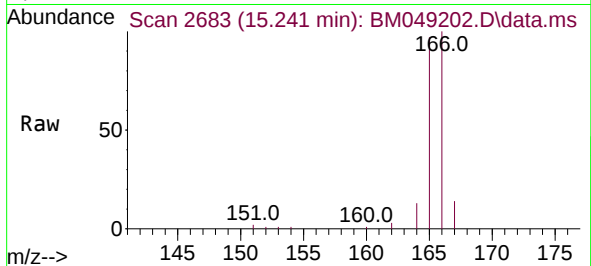
Tgt Ion:153 Resp: 15403
Ion Ratio Lower Upper
153 100
152 50.7 40.7 61.1
154 88.6 70.8 106.2





#12
Fluorene
Concen: 0.454 ng/ul
RT: 15.241 min Scan# 201
Delta R.T. -0.014 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

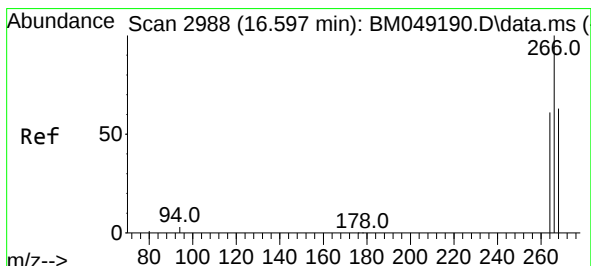
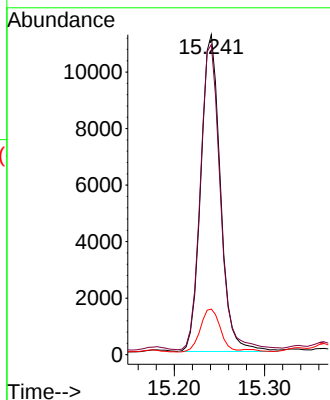
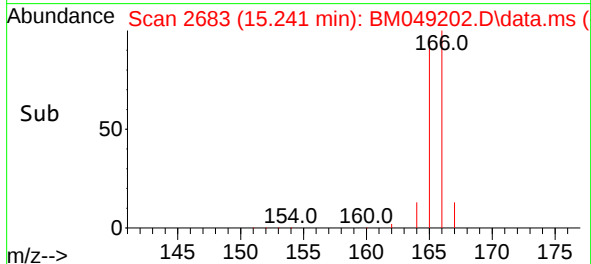
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:166 Resp: 16890
Ion Ratio Lower Upper
166 100
165 96.9 79.7 119.5
167 14.3 11.4 17.0

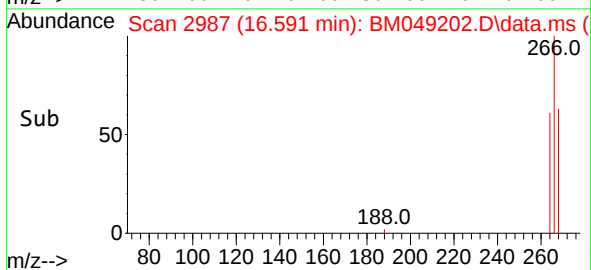
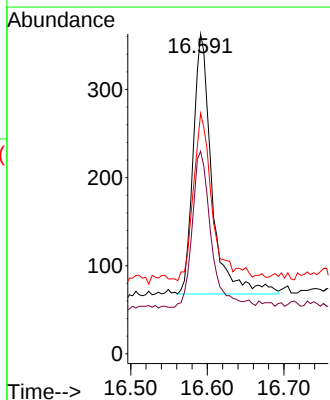
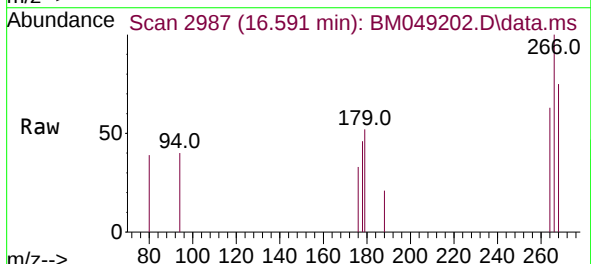
Manual Integrations
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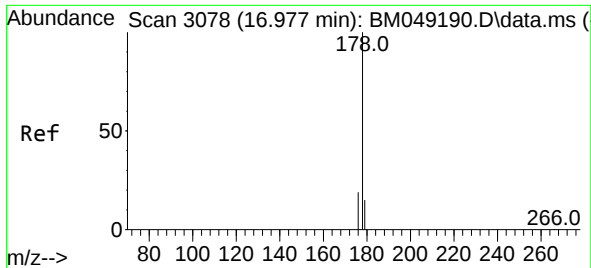
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#14
Pentachlorophenol
Concen: 0.078 ng/ul
RT: 16.591 min Scan# 2987
Delta R.T. -0.017 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

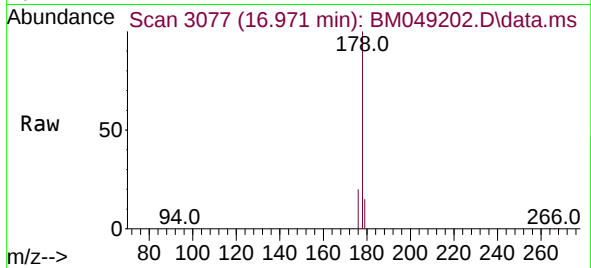
Tgt Ion:266 Resp: 500
Ion Ratio Lower Upper
266 100
264 60.8 48.3 72.5
268 66.2 47.5 71.3





#15
Phenanthrene
Concen: 3.383 ng/ul
RT: 16.971 min Scan# 3077
Delta R.T. -0.021 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

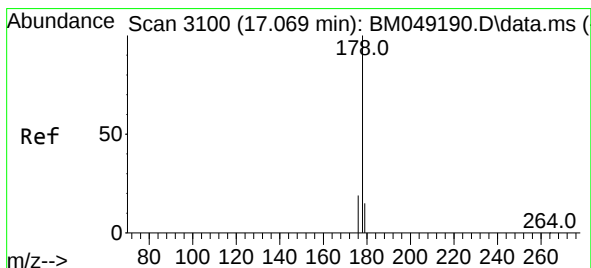
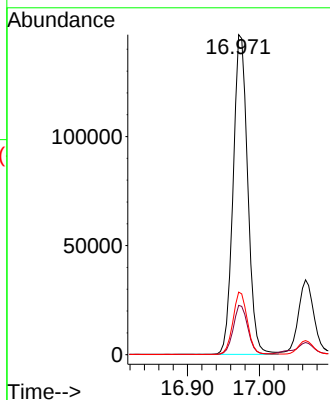
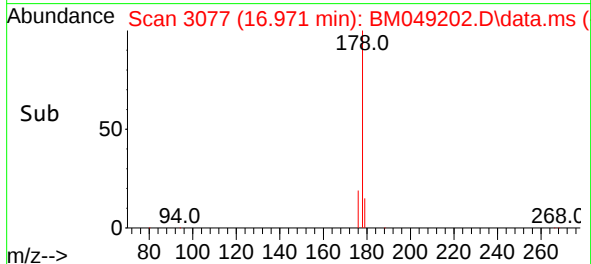
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:178 Resp: 20558
Ion Ratio Lower Upper
178 100
179 15.4 13.0 19.4
176 19.6 16.2 24.2

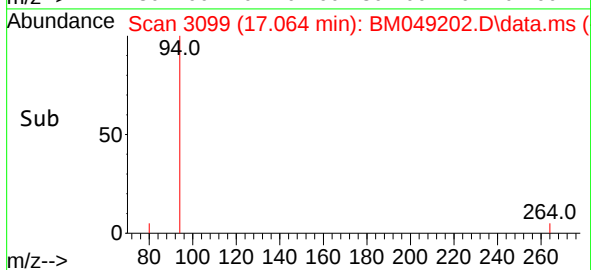
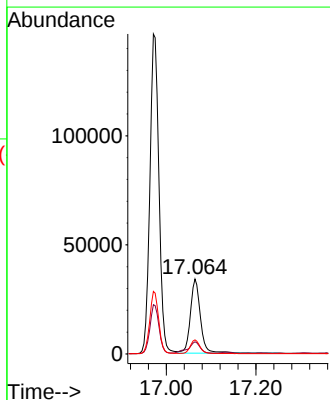
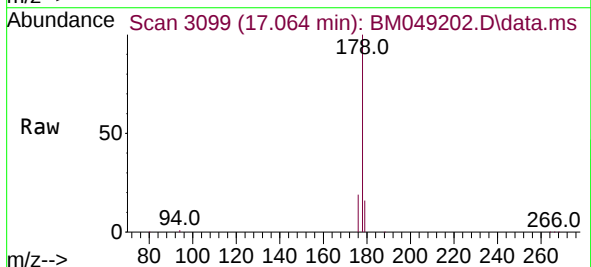
Manual Integrations
APPROVED

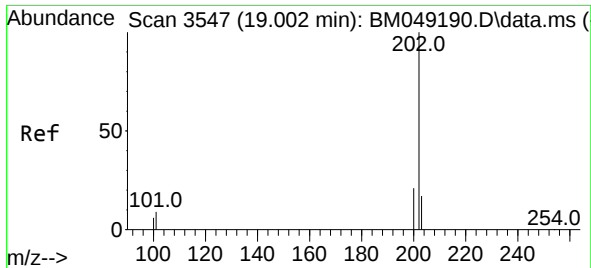
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#16
Anthracene
Concen: 0.951 ng/ul
RT: 17.064 min Scan# 3099
Delta R.T. -0.021 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

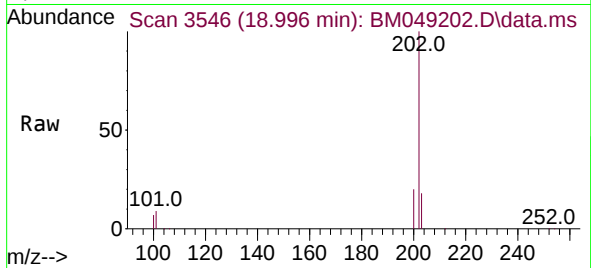
Tgt Ion:178 Resp: 53056
Ion Ratio Lower Upper
178 100
179 16.3 12.9 19.3
176 18.8 15.3 22.9





#19
Fluoranthene
Concen: 5.182 ng/u1
RT: 18.996 min Scan# 3546
Delta R.T. -0.019 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

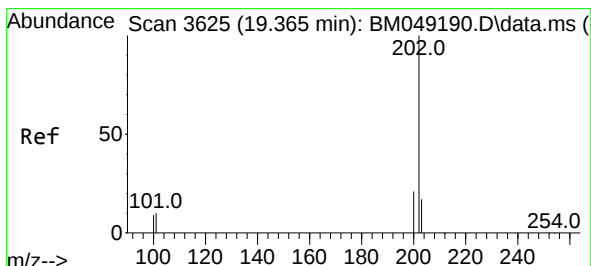
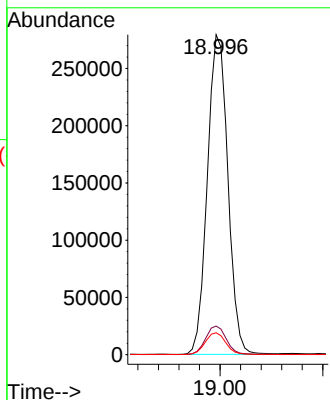
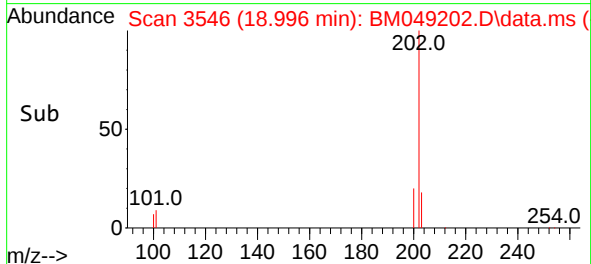
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:202 Resp: 387135
Ion Ratio Lower Upper
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101 9.0 7.6 11.4
100 6.8 5.5 8.3

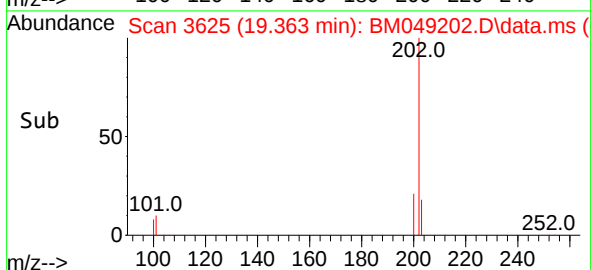
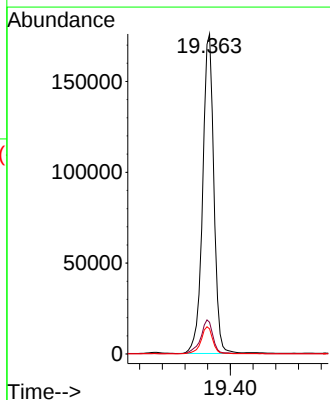
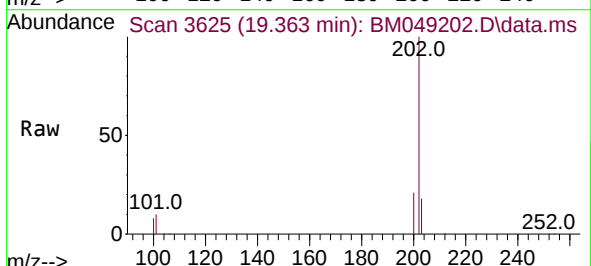
Manual Integrations
APPROVED

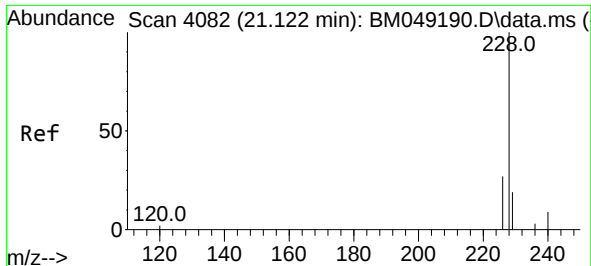
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#20
Pyrene
Concen: 3.022 ng/u1
RT: 19.363 min Scan# 3625
Delta R.T. -0.014 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

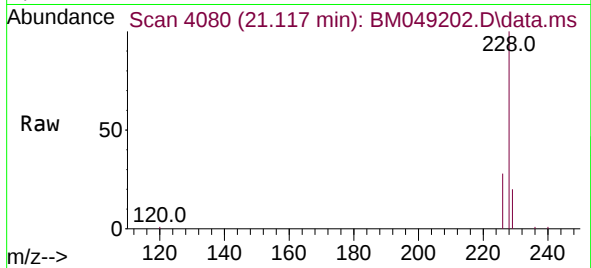
Tgt Ion:202 Resp: 240794
Ion Ratio Lower Upper
202 100
101 9.9 8.9 13.3
100 7.8 6.9 10.3





#21
Benzo(a)anthracene
Concen: 2.565 ng/u1
RT: 21.117 min Scan# 4080
Delta R.T. -0.015 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

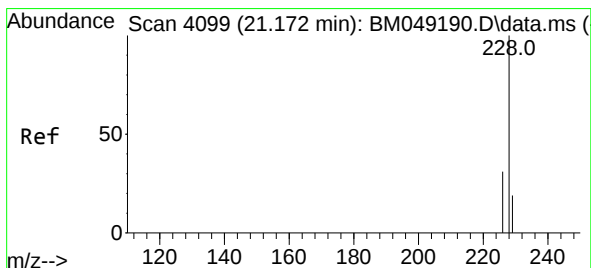
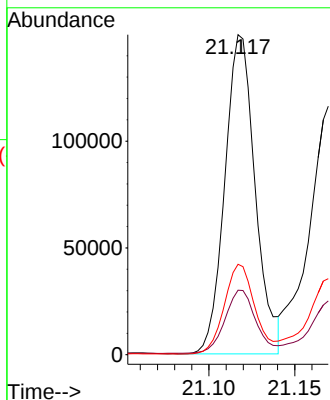
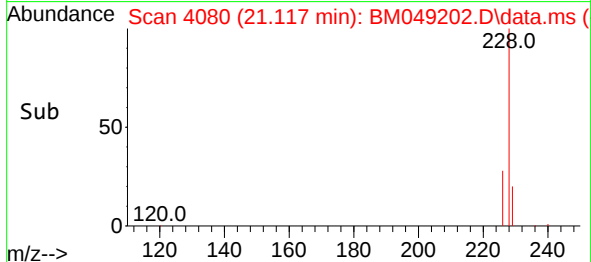
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:228 Resp: 184350
Ion Ratio Lower Upper
228 100
229 20.2 15.9 23.9
226 28.2 22.6 34.0

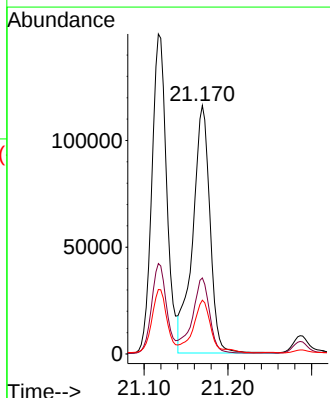
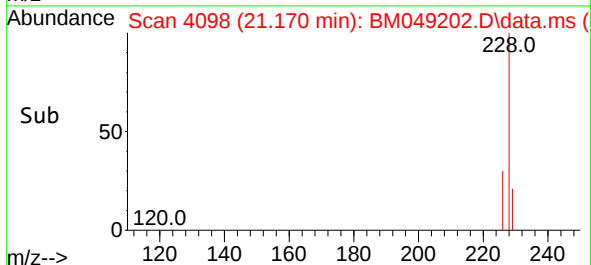
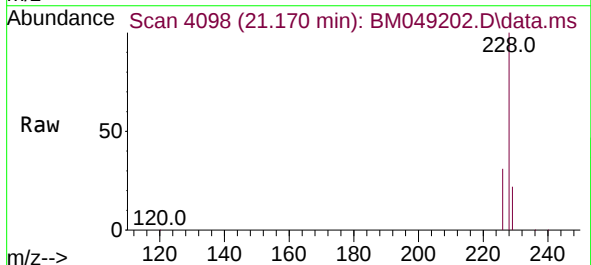
Manual Integrations
APPROVED

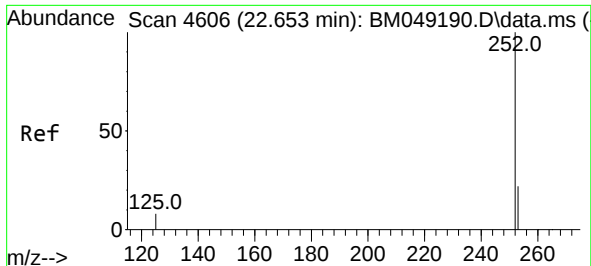
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#22
Chrysene
Concen: 2.153 ng/u1
RT: 21.170 min Scan# 4098
Delta R.T. -0.015 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

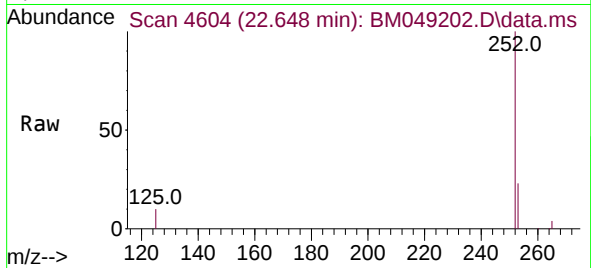
Tgt Ion:228 Resp: 166053
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 21.6 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 2.848 ng/ul m
RT: 22.648 min Scan# 4604
Delta R.T. -0.015 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

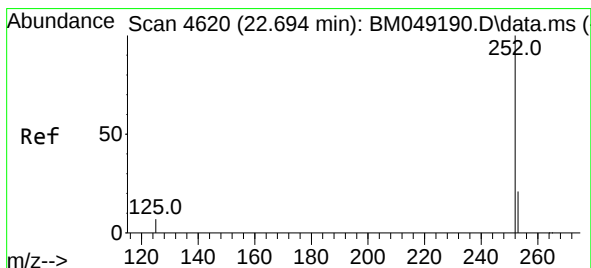
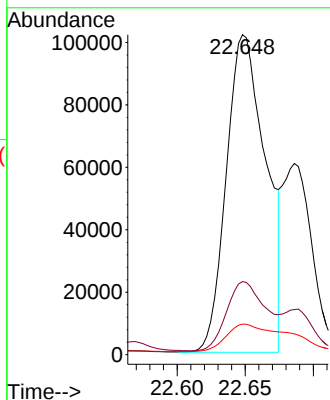
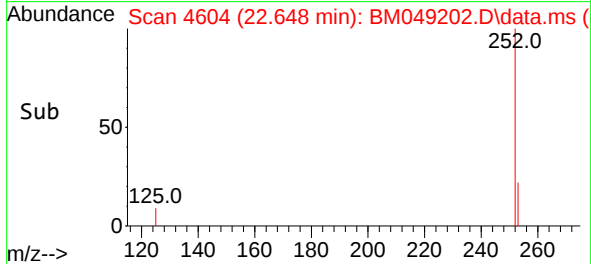
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:252 Resp: 205344
Ion Ratio Lower Upper
252 100
253 22.8 0.0 52.6
125 9.6 0.0 30.8

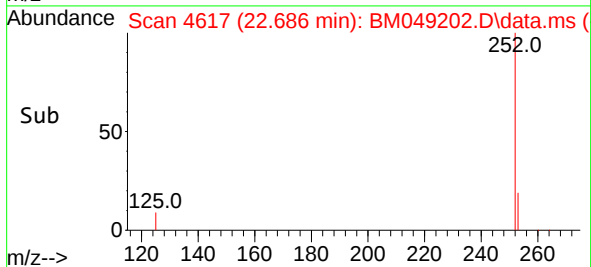
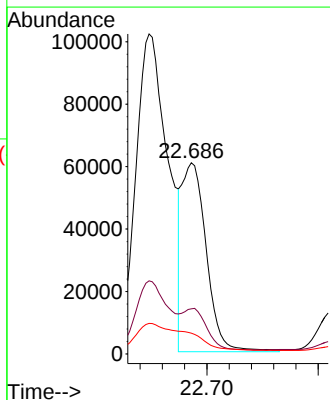
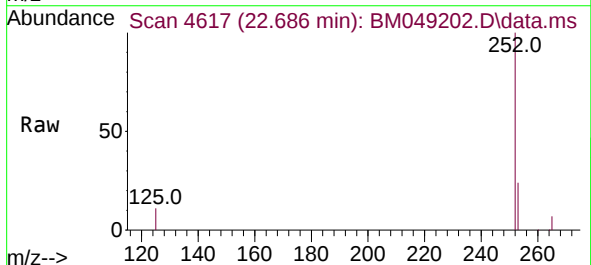
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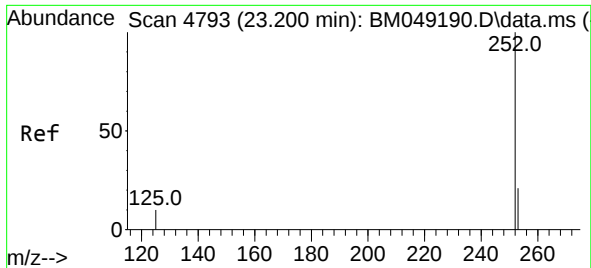
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#25
Benzo(k)fluoranthene
Concen: 1.167 ng/ul m
RT: 22.686 min Scan# 4617
Delta R.T. -0.020 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

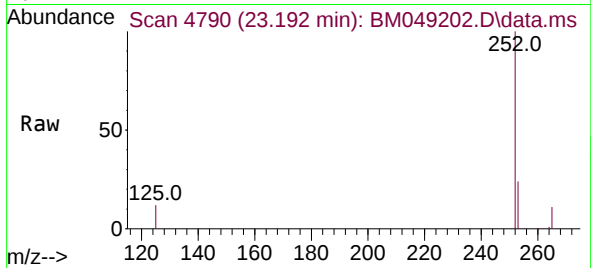
Tgt Ion:252 Resp: 92345
Ion Ratio Lower Upper
252 100
253 23.6 21.3 31.9
125 10.9 12.6 18.8#





#26
Benzo(a)pyrene
Concen: 0.989 ng/ul m
RT: 23.192 min Scan# 4790
Delta R.T. -0.018 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

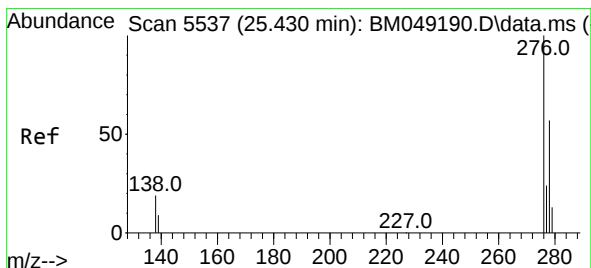
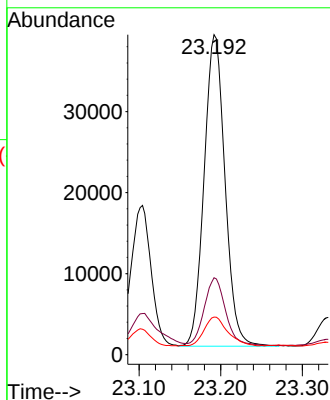
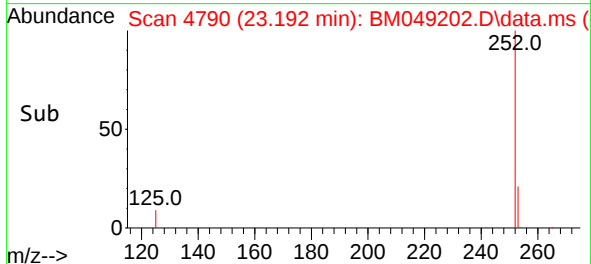
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:252 Resp: 68410
Ion Ratio Lower Upper
252 100
253 24.0 22.4 33.6
125 11.8 14.8 22.2

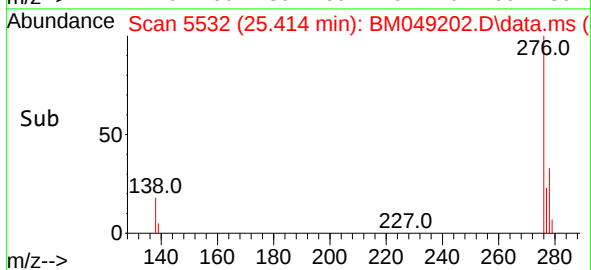
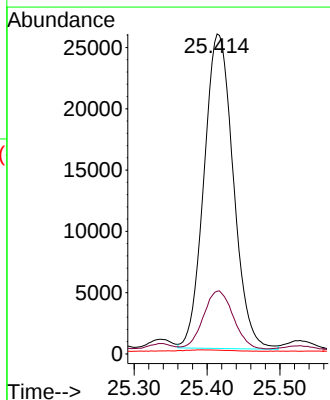
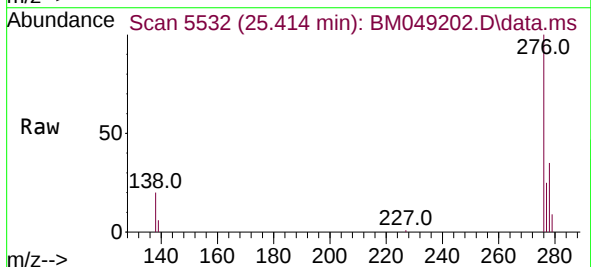
Manual Integrations
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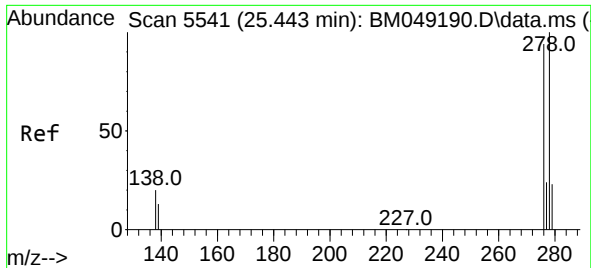
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.731 ng/ul
RT: 25.414 min Scan# 5532
Delta R.T. -0.034 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

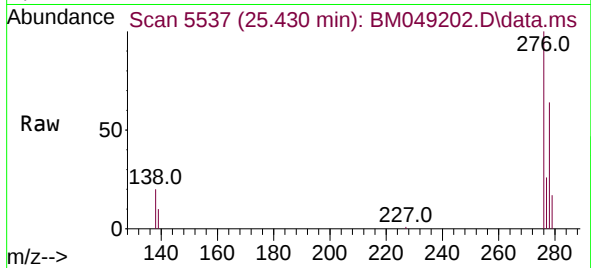
Tgt Ion:276 Resp: 71576
Ion Ratio Lower Upper
276 100
138 19.1 17.4 26.2
227 0.0 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.457 ng/ul
RT: 25.430 min Scan# 51
Delta R.T. -0.037 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

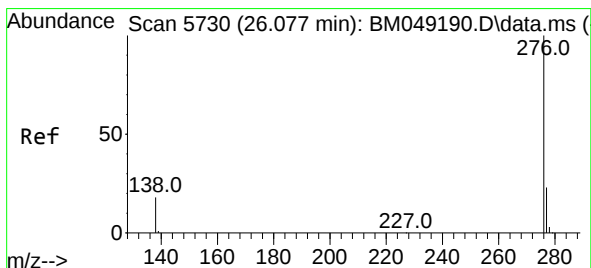
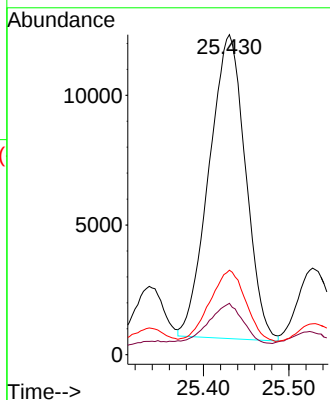
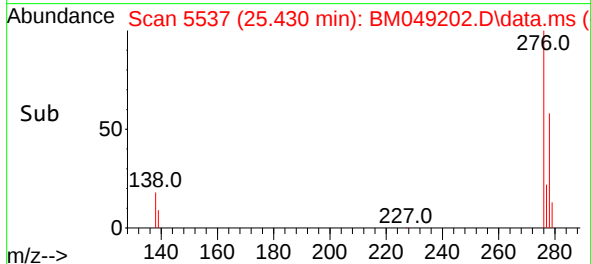
Instrument :
BNA_M
ClientSampleId :
E2923MSD



Tgt Ion:278 Resp: 3473
Ion Ratio Lower Upper
278 100
139 16.0 13.5 20.3
279 26.4 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#29
Benzo(g,h,i)perylene
Concen: 0.117 ng/ul
RT: 26.064 min Scan# 5726
Delta R.T. -0.030 min
Lab File: BM049202.D
Acq: 25 Dec 2024 02:01

Tgt Ion:276 Resp: 9248
Ion Ratio Lower Upper
276 100
138 25.5 16.7 25.1#
277 29.8 19.9 29.9

