

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049168.D
 Acq On : 24 Dec 2024 04:39
 Operator : RC/JU
 Sample : P5333-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2914

Manual Integrations
 APPROVED

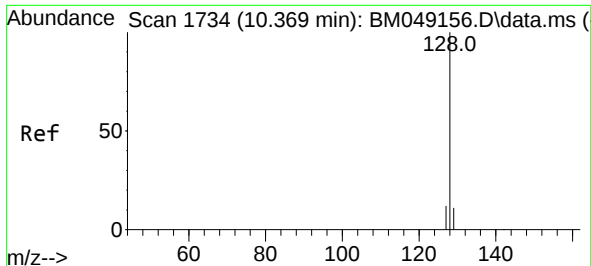
Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 05:05:25 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)

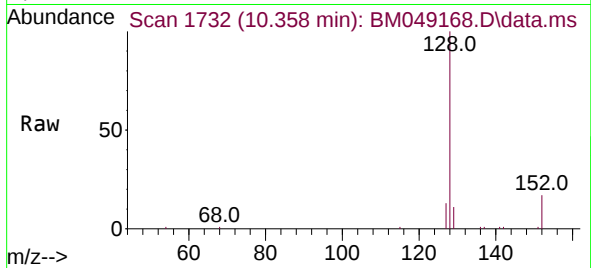
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	6165	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136	18798	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164	10681	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.937	188	24349	0.400	ng/ul	-0.01
17) Chrysene-d12	21.137	240	22296	0.400	ng/ul	0.00
23) Perylene-d12	23.294	264	25076	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	20473	2.879	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.908	152	4488	0.178	ng/ul	-0.02
18) Fluoranthene-d10	18.973	212	8835	0.140	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.358	128	32073	0.682	ng/ul	99
7) 2-Methylnaphthalene	11.985	142	28631	0.960	ng/ul	98
8) 1-Methylnaphthalene	12.205	142	12062	0.395	ng/ul	100
10) Acenaphthylene	13.904	152	3929	0.089	ng/ul#	88
11) Acenaphthene	14.251	153	3435	0.106	ng/ul	96
12) Fluorene	15.241	166	2962	0.081	ng/ul#	89
15) Phenanthrene	16.975	178	95671	1.504	ng/ul	98
16) Anthracene	17.068	178	12924	0.221	ng/ul	95
19) Fluoranthene	19.001	202	163333	2.026	ng/ul	100
20) Pyrene	19.363	202	138758	1.614	ng/ul	99
21) Benzo(a)anthracene	21.120	228	125439	1.617	ng/ul	98
22) Chrysene	21.172	228	157641	1.894	ng/ul	96
24) Benzo(b)fluoranthene	22.657	252	282968m	3.532	ng/ul	
25) Benzo(k)fluoranthene	22.692	252	93406m	1.063	ng/ul	
26) Benzo(a)pyrene	23.201	252	109777m	1.429	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.424	276	119626	1.100	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.434	278	36287	0.430	ng/ul	96
29) Benzo(g,h,i)perylene	26.078	276	19036	0.218	ng/ul	92

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



#5
Naphthalene
Concen: 0.682 ng/ul
RT: 10.358 min Scan# 11
Delta R.T. -0.022 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

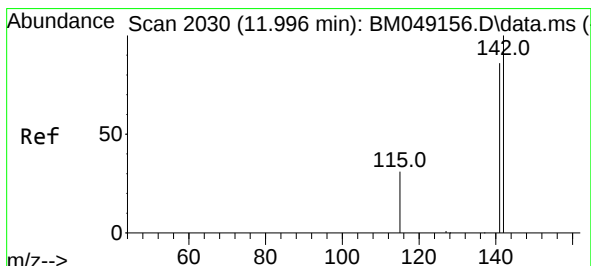
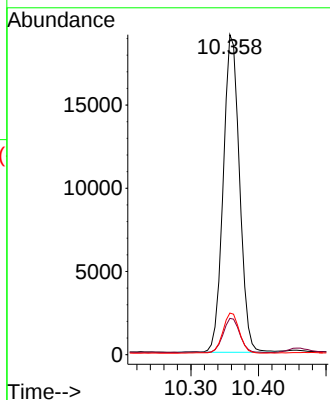
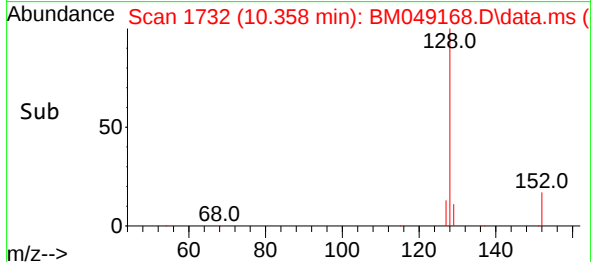
Instrument :
BNA_M
ClientSampleId :
E2914



Tgt Ion:128 Resp: 3207
Ion Ratio Lower Upper
128 100
129 11.4 9.7 14.5
127 13.0 10.6 16.0

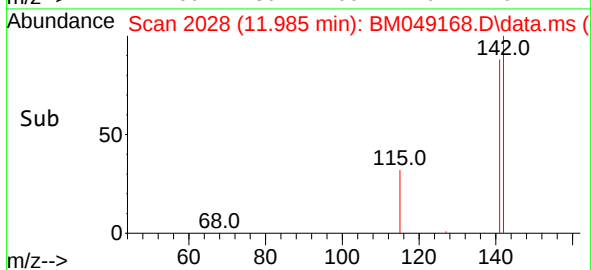
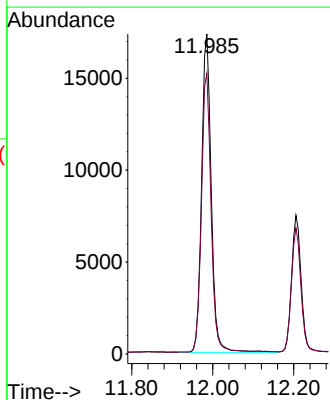
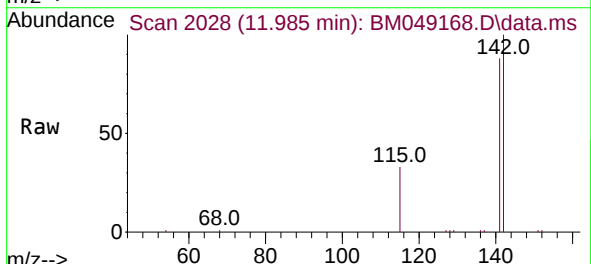
Manual Integrations
APPROVED

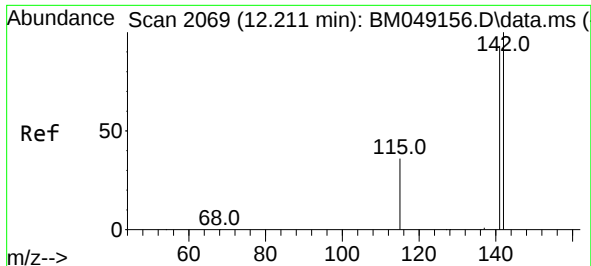
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#7
2-Methylnaphthalene
Concen: 0.960 ng/ul
RT: 11.985 min Scan# 2028
Delta R.T. -0.017 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

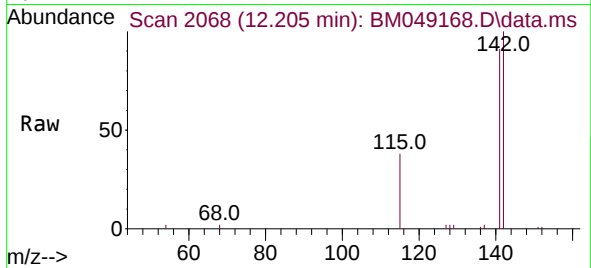
Tgt Ion:142 Resp: 28631
Ion Ratio Lower Upper
142 100
141 87.9 71.7 107.5





#8
1-Methylnaphthalene
Concen: 0.395 ng/ul
RT: 12.205 min Scan# 2069
Delta R.T. -0.017 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

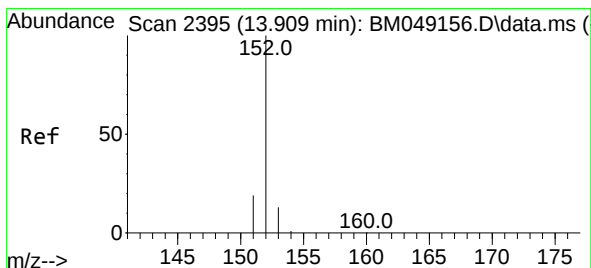
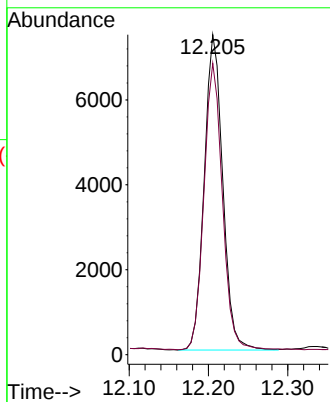
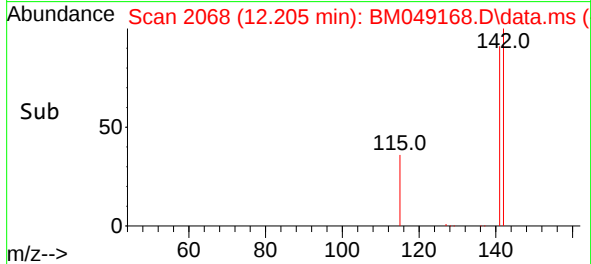
Instrument :
BNA_M
ClientSampleId :
E2914



Tgt Ion:142 Resp: 1206
Ion Ratio Lower Upper
142 100
141 90.6 72.7 109.1

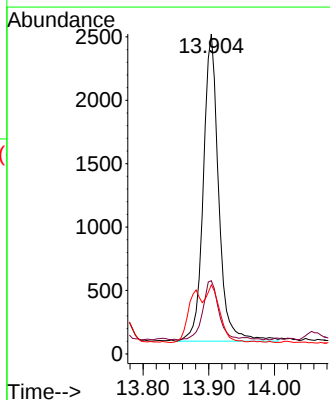
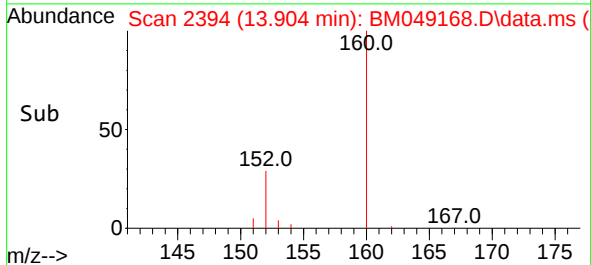
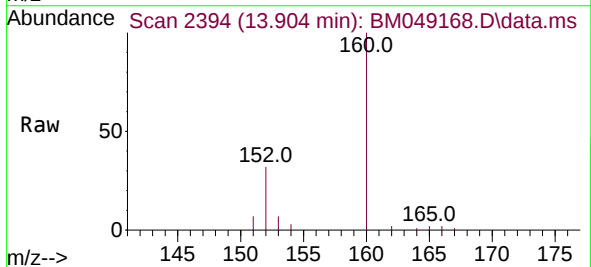
Manual Integrations
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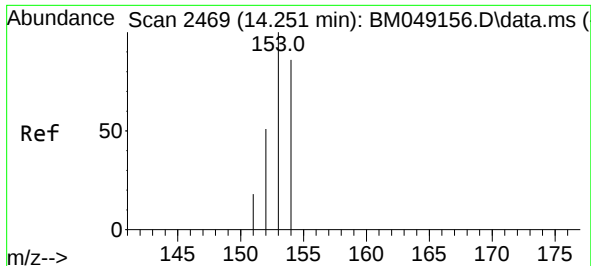
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#10
Acenaphthylene
Concen: 0.089 ng/ul
RT: 13.904 min Scan# 2394
Delta R.T. -0.014 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

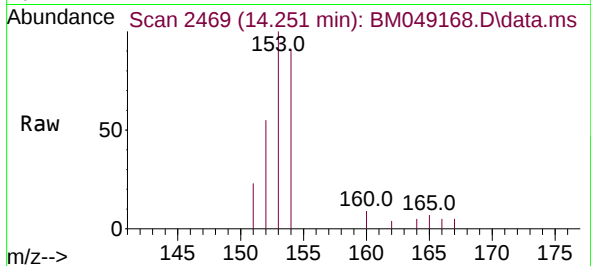
Tgt Ion:152 Resp: 3929
Ion Ratio Lower Upper
152 100
151 22.9 16.0 24.0
153 21.6 11.0 16.6#





#11
Acenaphthene
Concen: 0.106 ng/u1
RT: 14.251 min Scan# 2469
Delta R.T. -0.014 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

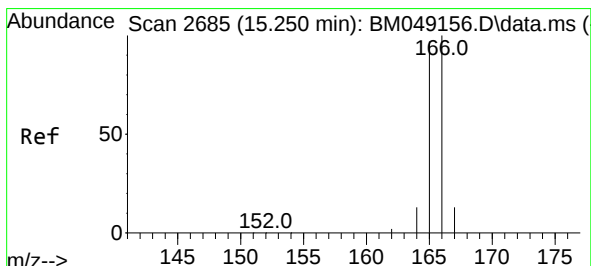
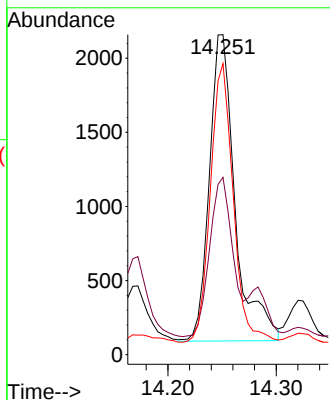
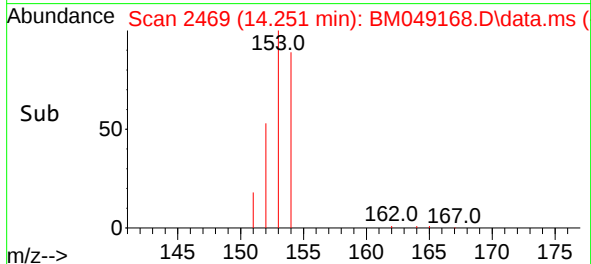
Instrument :
BNA_M
ClientSampleId :
E2914



Tgt Ion:153 Resp: 343
Ion Ratio Lower Upper
153 100
152 55.4 40.7 61.1
154 91.0 70.8 106.2

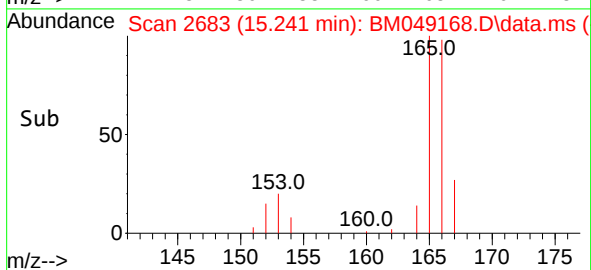
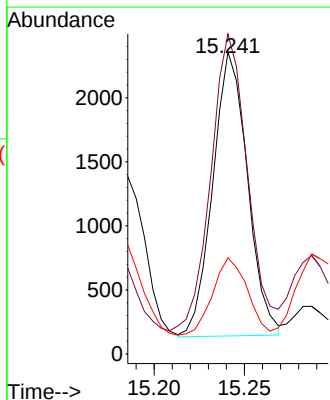
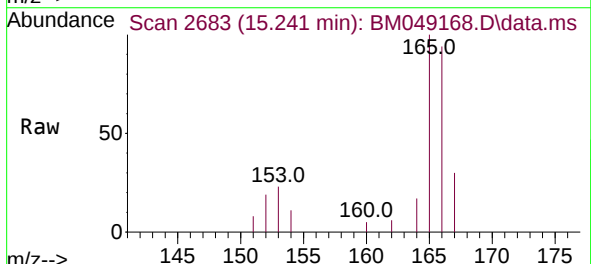
Manual Integrations
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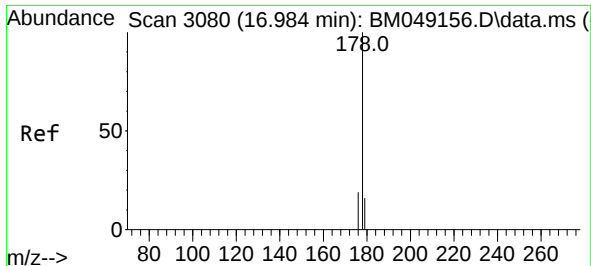
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#12
Fluorene
Concen: 0.081 ng/u1
RT: 15.241 min Scan# 2683
Delta R.T. -0.014 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

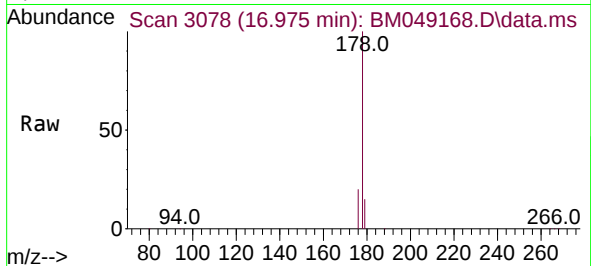
Tgt Ion:166 Resp: 2962
Ion Ratio Lower Upper
166 100
165 106.0 79.7 119.5
167 31.9 11.4 17.0#





#15
Phenanthrene
Concen: 1.504 ng/u1
RT: 16.975 min Scan# 3080
Delta R.T. -0.017 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

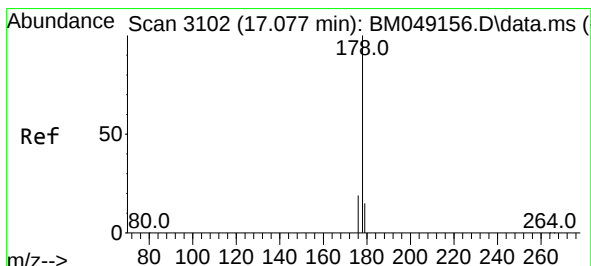
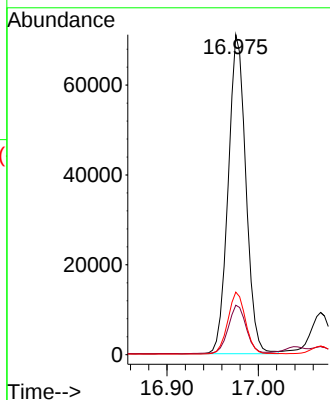
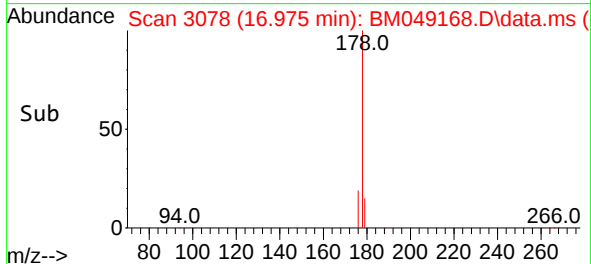
Instrument :
BNA_M
ClientSampleId :
E2914



Tgt Ion:178 Resp: 9567
Ion Ratio Lower Upper
178 100
179 15.4 13.0 19.4
176 19.5 16.2 24.2

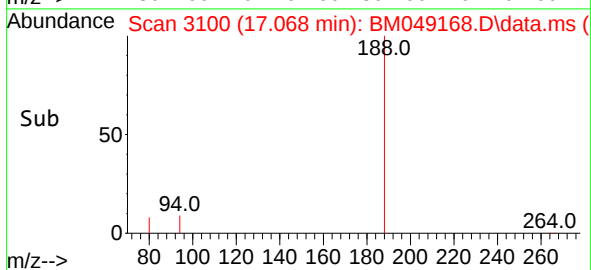
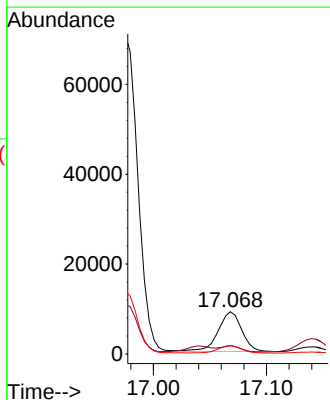
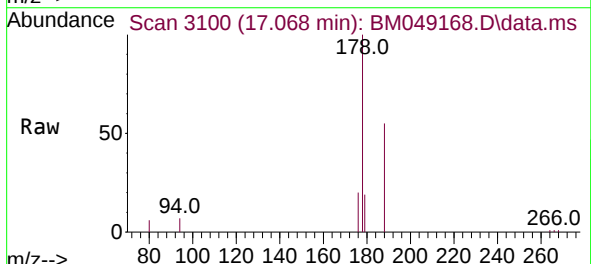
Manual Integrations
APPROVED

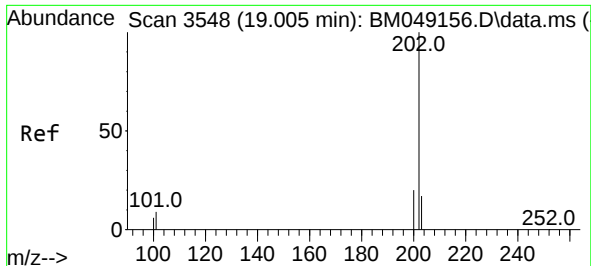
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#16
Anthracene
Concen: 0.221 ng/u1
RT: 17.068 min Scan# 3100
Delta R.T. -0.017 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

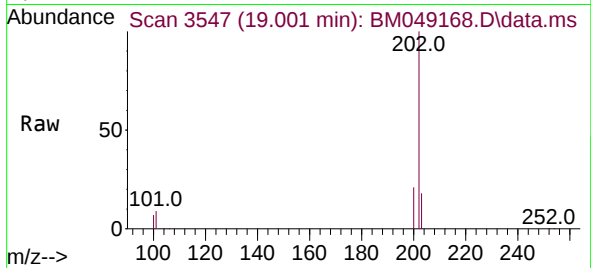
Tgt Ion:178 Resp: 12924
Ion Ratio Lower Upper
178 100
179 19.3 12.9 19.3
176 20.4 15.3 22.9





#19
Fluoranthene
Concen: 2.026 ng/ul
RT: 19.001 min Scan# 3547
Delta R.T. -0.014 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

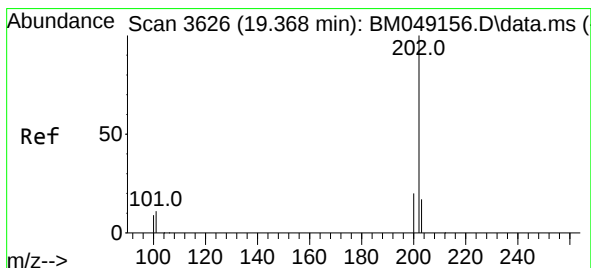
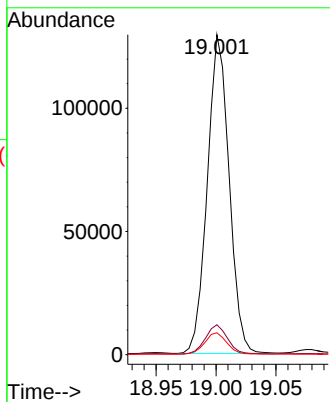
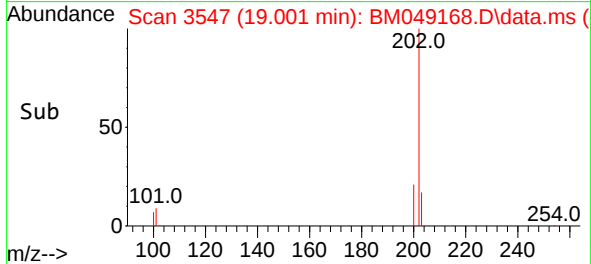
Instrument :
BNA_M
ClientSampleId :
E2914



Tgt Ion:202 Resp: 16333
Ion Ratio Lower Upper
202 100
101 9.3 7.6 11.4
100 6.9 5.5 8.3

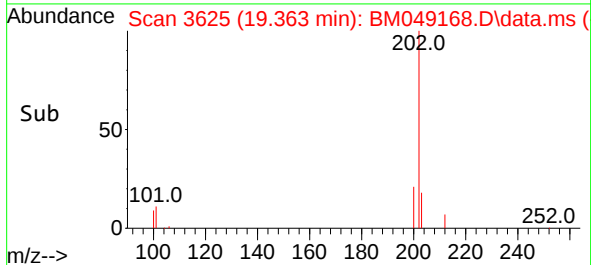
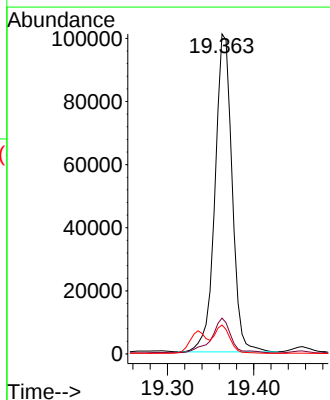
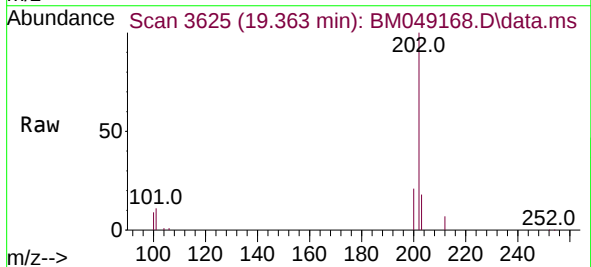
Manual Integrations
APPROVED

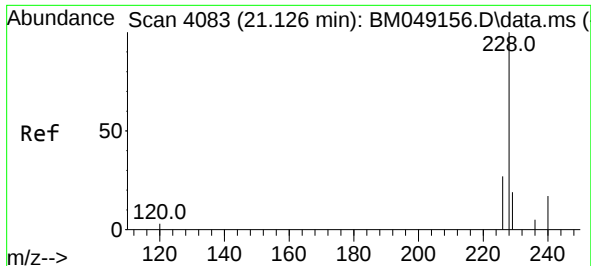
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#20
Pyrene
Concen: 1.614 ng/ul
RT: 19.363 min Scan# 3625
Delta R.T. -0.014 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

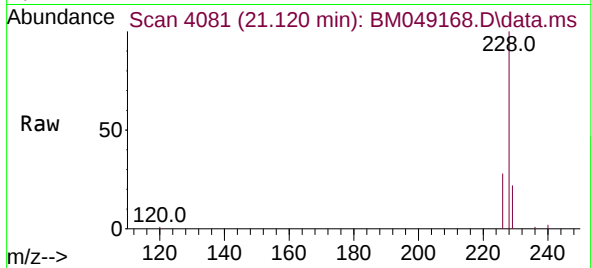
Tgt Ion:202 Resp: 138758
Ion Ratio Lower Upper
202 100
101 11.2 8.9 13.3
100 9.0 6.9 10.3





#21
Benzo(a)anthracene
Concen: 1.617 ng/ul
RT: 21.120 min Scan# 4081
Delta R.T. -0.012 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

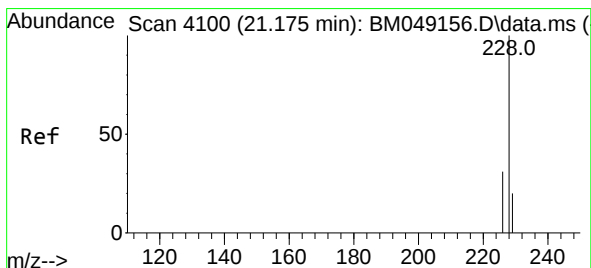
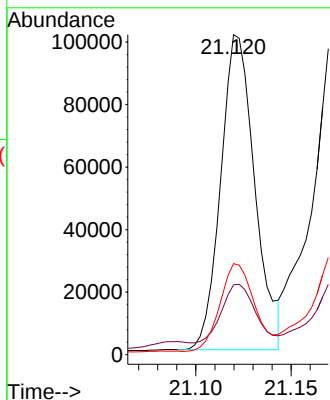
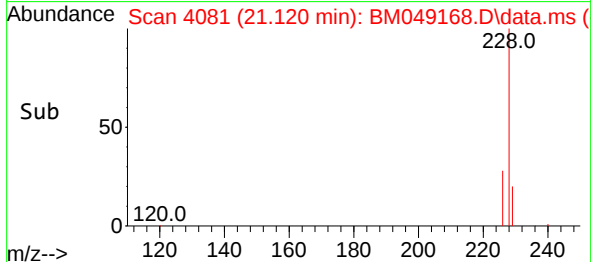
Instrument :
BNA_M
ClientSampleId :
E2914



Tgt Ion:228 Resp: 125439
Ion Ratio Lower Upper
228 100
229 21.9 15.9 23.9
226 28.5 22.6 34.0

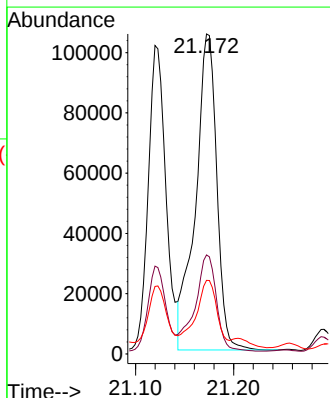
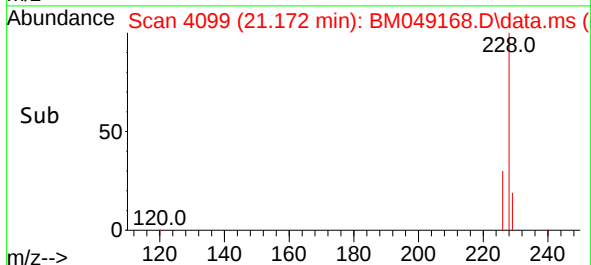
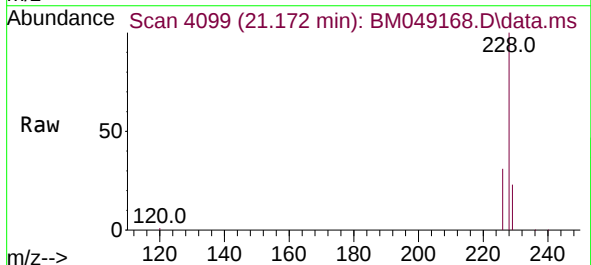
Manual Integrations
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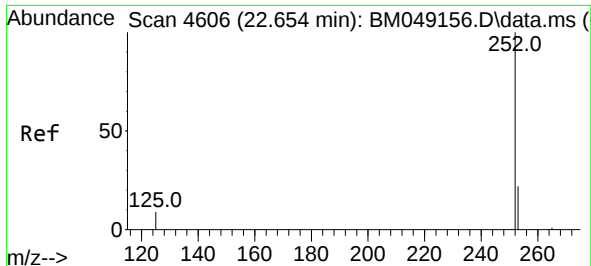
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#22
Chrysene
Concen: 1.894 ng/ul
RT: 21.172 min Scan# 4099
Delta R.T. -0.012 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

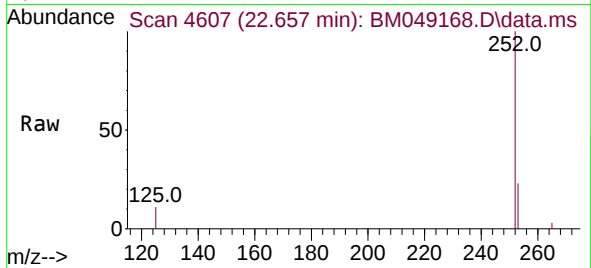
Tgt Ion:228 Resp: 157641
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 23.0 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 3.532 ng/ul m
RT: 22.657 min Scan# 4607
Delta R.T. -0.006 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

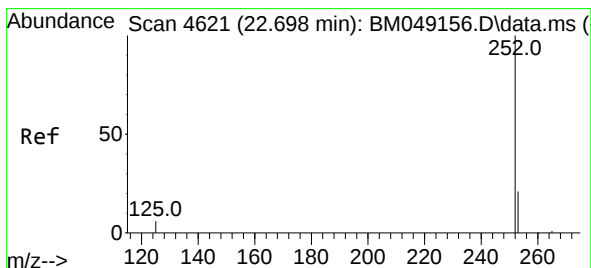
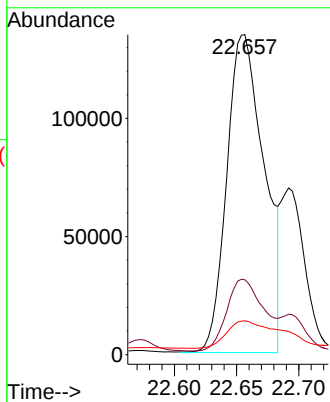
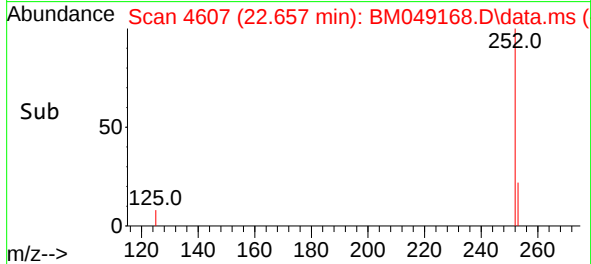
Instrument :
BNA_M
ClientSampleId :
E2914



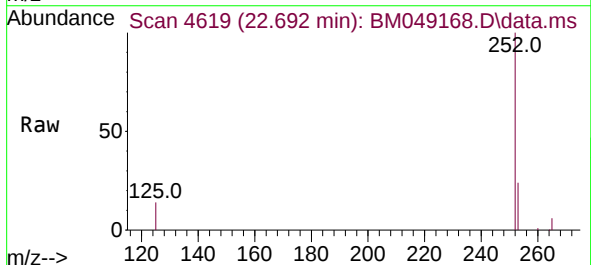
Tgt Ion:252 Resp: 282968
Ion Ratio Lower Upper
252 100
253 23.4 0.0 52.6
125 10.5 0.0 30.8

Manual Integrations
APPROVED

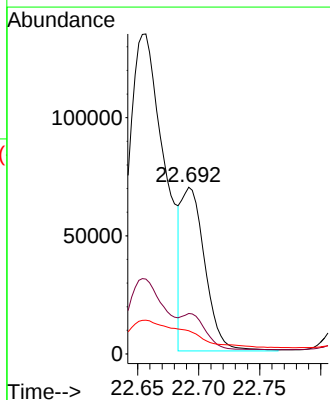
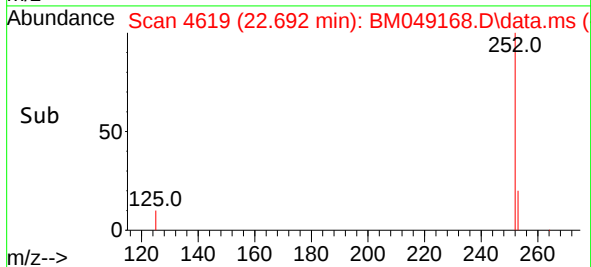
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

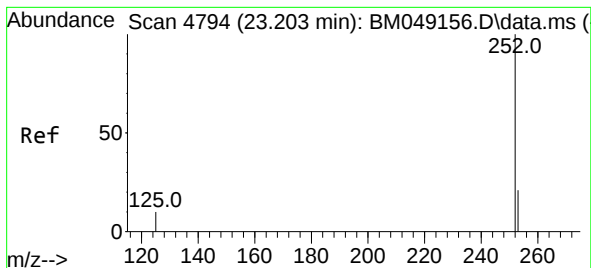


#25
Benzo(k)fluoranthene
Concen: 1.063 ng/ul m
RT: 22.692 min Scan# 4619
Delta R.T. -0.015 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39



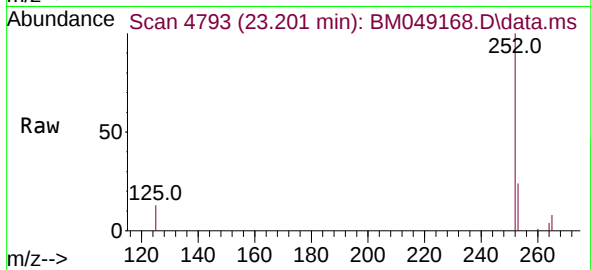
Tgt Ion:252 Resp: 93406
Ion Ratio Lower Upper
252 100
253 24.3 21.3 31.9
125 13.9 12.6 18.8





#26
Benzo(a)pyrene
Concen: 1.429 ng/ul m
RT: 23.201 min Scan# 4793
Delta R.T. -0.009 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

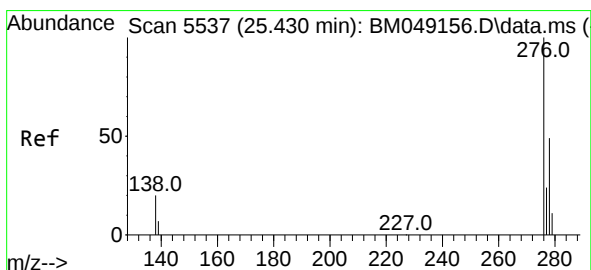
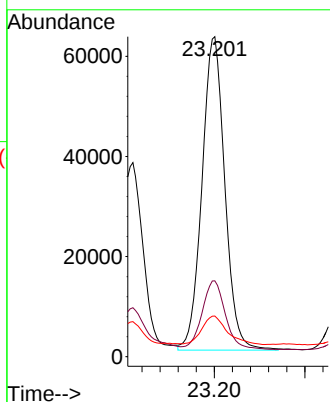
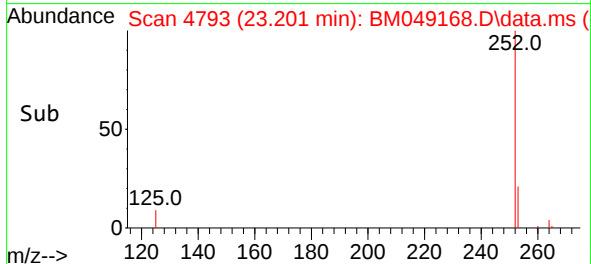
Instrument :
BNA_M
ClientSampleId :
E2914



Tgt Ion:252 Resp: 109777
Ion Ratio Lower Upper
252 100
253 23.7 22.4 33.6
125 12.7 14.8 22.2

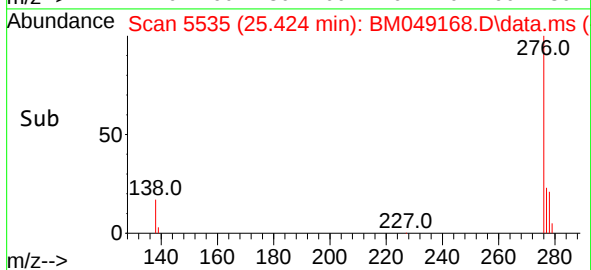
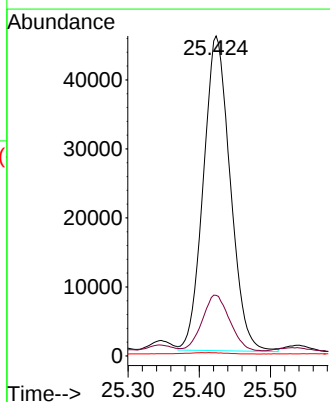
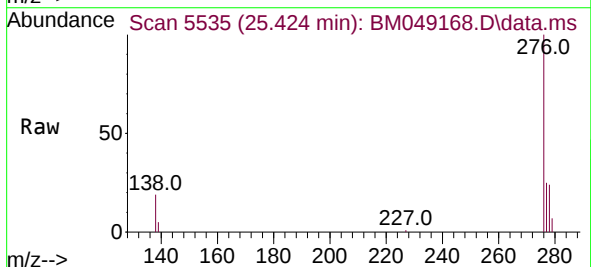
Manual Integrations
APPROVED

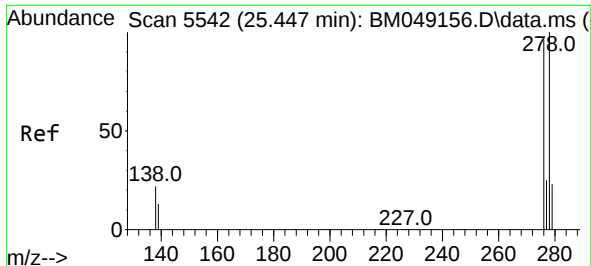
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.100 ng/ul
RT: 25.424 min Scan# 5535
Delta R.T. -0.024 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

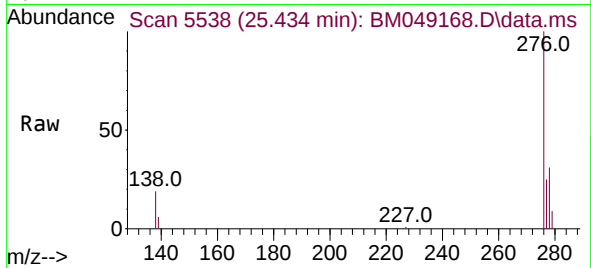
Tgt Ion:276 Resp: 119626
Ion Ratio Lower Upper
276 100
138 18.1 17.4 26.2
227 0.8 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.430 ng/ul
RT: 25.434 min Scan# 51
Delta R.T. -0.034 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39

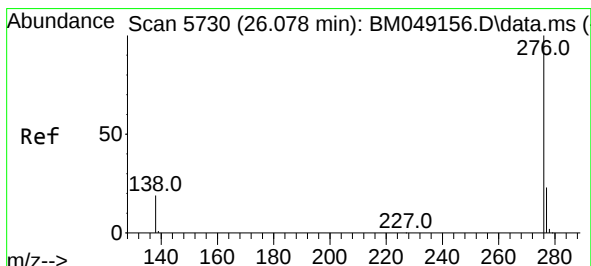
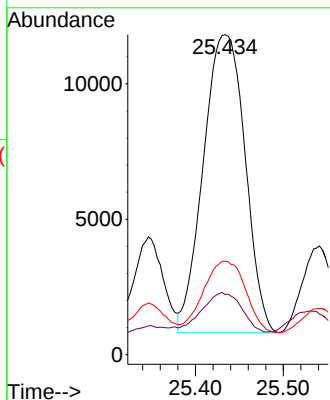
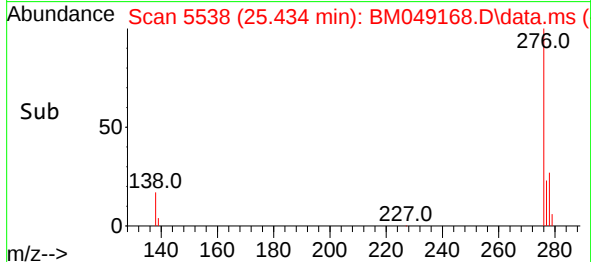
Instrument :
BNA_M
ClientSampleId :
E2914



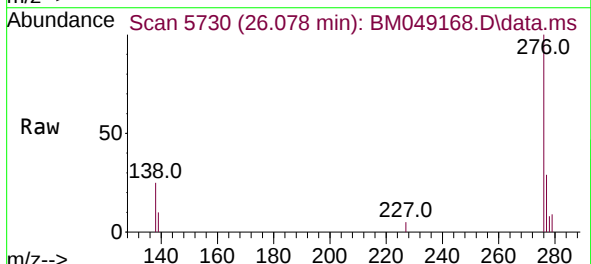
Tgt Ion:278 Resp: 3628
Ion Ratio Lower Upper
278 100
139 18.8 13.5 20.3
279 29.2 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#29
Benzo(g,h,i)perylene
Concen: 0.218 ng/ul
RT: 26.078 min Scan# 5730
Delta R.T. -0.017 min
Lab File: BM049168.D
Acq: 24 Dec 2024 04:39



Tgt Ion:276 Resp: 19036
Ion Ratio Lower Upper
276 100
138 25.0 16.7 25.1
277 28.5 19.9 29.9

