

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
 Data File : BN032156.D
 Acq On : 22 Jun 2024 06:47
 Operator : MA/JU
 Sample : P2927-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-478-480

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2024
 Supervised By :mohammad ahmed 06/28/2024

Quant Time: Jun 22 08:10:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 11:30:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.639	152	10910	0.400	ng	0.00
7) Naphthalene-d8	10.411	136	37908	0.400	ng	-0.01
13) Acenaphthene-d10	14.274	164	25208	0.400	ng	-0.01
19) Phenanthrene-d10	17.029	188	51217	0.400	ng	0.00
29) Chrysene-d12	21.220	240	29773	0.400	ng	# 0.00
35) Perylene-d12	23.443	264	27374	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.241	112	4550	0.147	ng	0.00
5) Phenol-d6	6.823	99	3891	0.096	ng	0.00
8) Nitrobenzene-d5	8.798	82	9206	0.292	ng	0.00
11) 2-Methylnaphthalene-d10	12.009	152	20228	0.335	ng	-0.01
14) 2,4,6-Tribromophenol	15.775	330	3654	0.302	ng	-0.01
15) 2-Fluorobiphenyl	12.895	172	39318	0.411	ng	-0.01
27) Fluoranthene-d10	19.063	212	43046	0.309	ng	0.00
31) Terphenyl-d14	19.667	244	40258	0.553	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.197	88	30562	2.288	ng	98
6) bis(2-Chloroethyl)ether	7.076	93	936	0.027	ng	91
18) Fluorene	15.333	166	2128	0.021	ng	100
25) Phenanthrene	17.066	178	5270	0.037	ng	98
26) Anthracene	17.165	178	2898	0.022	ng	100
28) Fluoranthene	19.096	202	6284	0.036	ng	# 57
30) Pyrene	19.458	202	6259	0.053	ng	# 81
32) Benzo(a)anthracene	21.211	228	3468	0.031	ng	# 83
33) Chrysene	21.256	228	2906	0.027	ng	# 78
34) Bis(2-ethylhexyl)phtha...	21.130	149	8880	0.116	ng	97
36) Indeno(1,2,3-cd)pyrene	25.695	276	3071	0.030	ng	96
37) Benzo(b)fluoranthene	22.777	252	3858	0.039	ng	# 21
38) Benzo(k)fluoranthene	22.823	252	2983m	0.032	ng	
39) Benzo(a)pyrene	23.347	252	1971	0.023	ng	# 1
40) Dibenzo(a,h)anthracene	25.700	278	2383	0.030	ng	# 28
41) Benzo(g,h,i)perylene	26.376	276	2226	0.026	ng	# 51

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

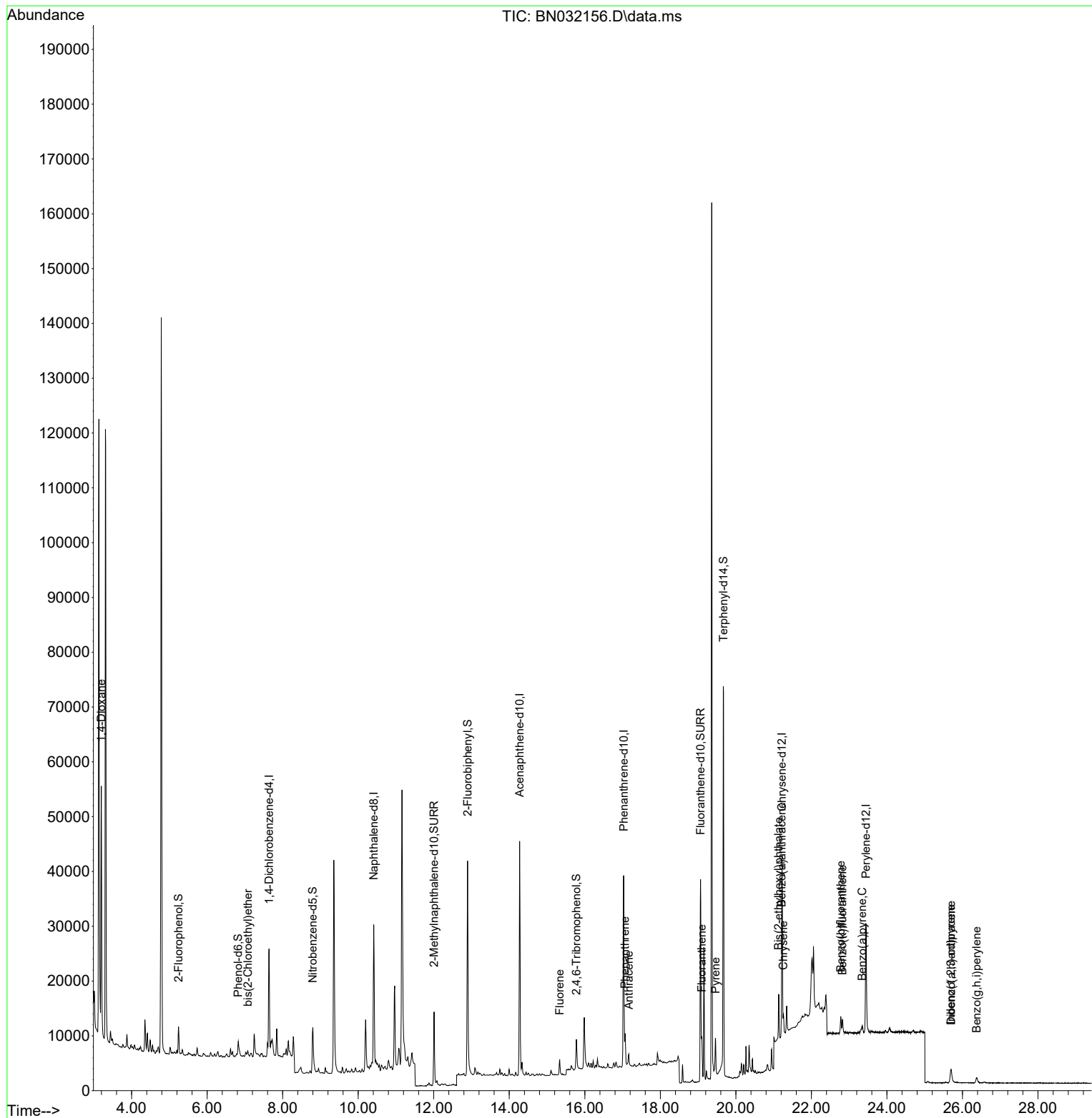
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
Data File : BN032156.D
Acq On : 22 Jun 2024 06:47
Operator : MA/JU
Sample : P2927-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

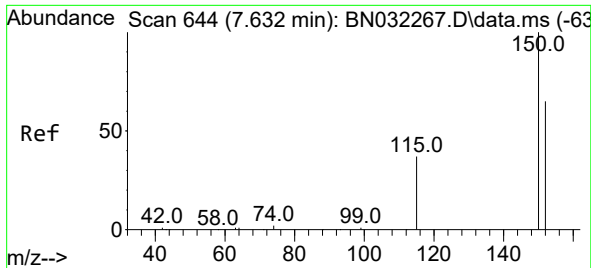
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

Quant Time: Jun 22 08:10:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 11:30:34 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

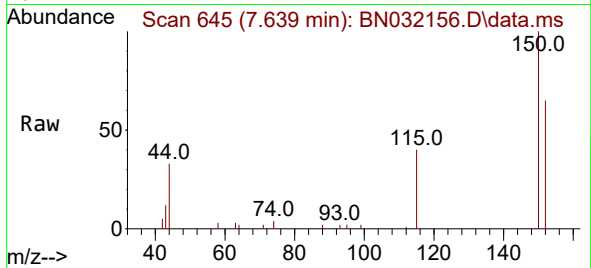
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.639 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

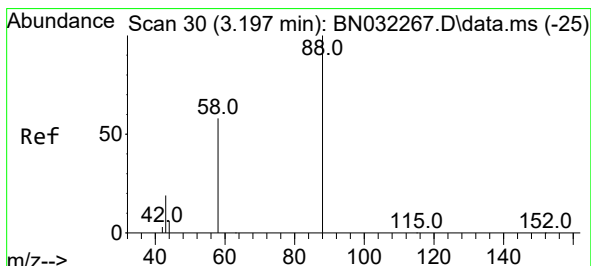
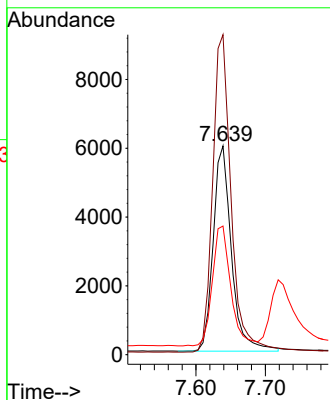
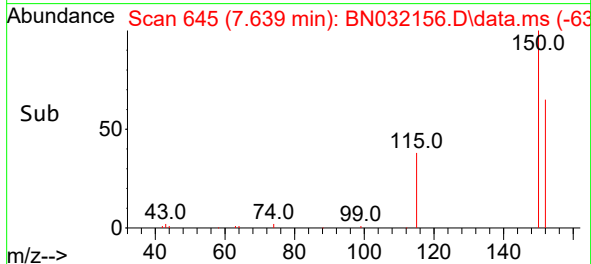
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:152 Resp: 10910
Ion Ratio Lower Upper
152 100
150 153.2 121.0 181.4
115 61.6 49.4 74.0

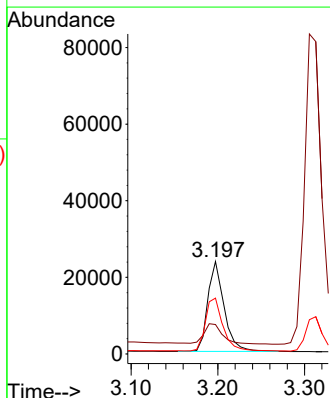
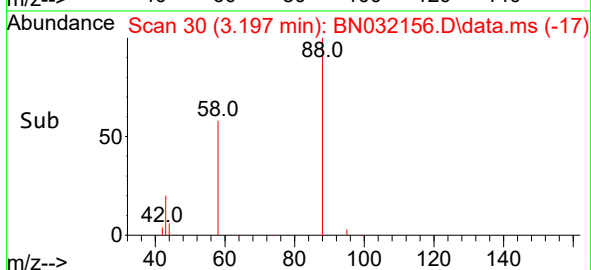
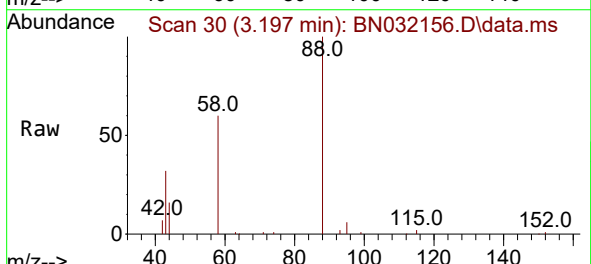
Manual Integrations
APPROVED

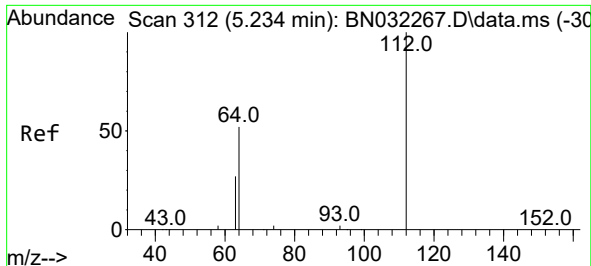
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#2
1,4-Dioxane
Concen: 2.288 ng
RT: 3.197 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

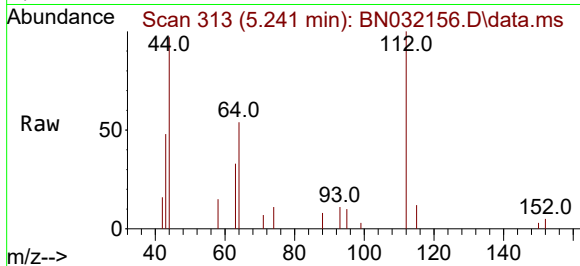
Tgt Ion: 88 Resp: 30562
Ion Ratio Lower Upper
88 100
43 26.0 22.7 34.1
58 63.0 51.3 76.9





#4
2-Fluorophenol
Concen: 0.147 ng
RT: 5.241 min Scan# 312
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

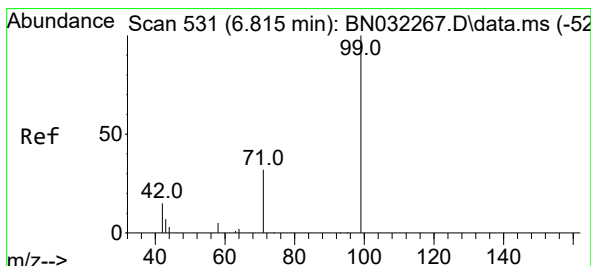
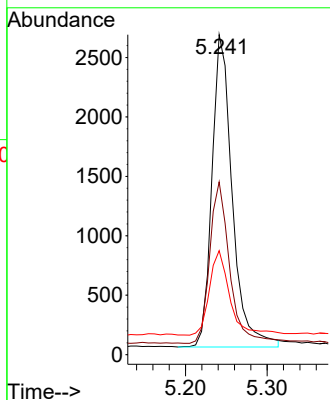
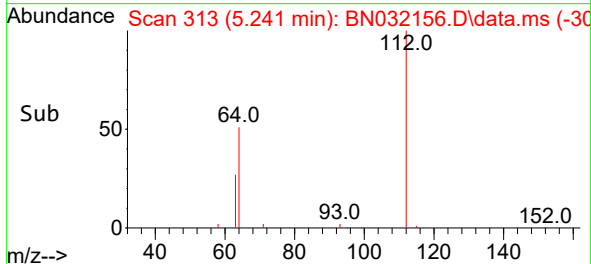
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:112 Resp: 4550
Ion Ratio Lower Upper
112 100
64 50.7 42.4 63.6
63 27.2 22.1 33.1

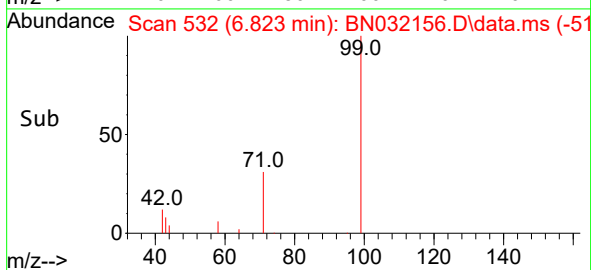
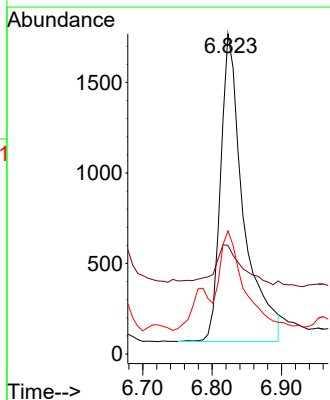
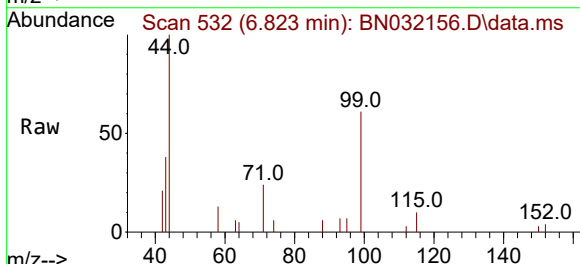
Manual Integrations
APPROVED

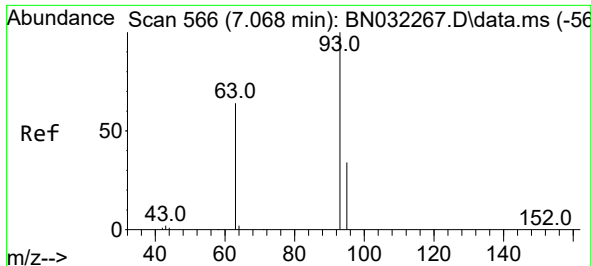
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#5
Phenol-d6
Concen: 0.096 ng
RT: 6.823 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

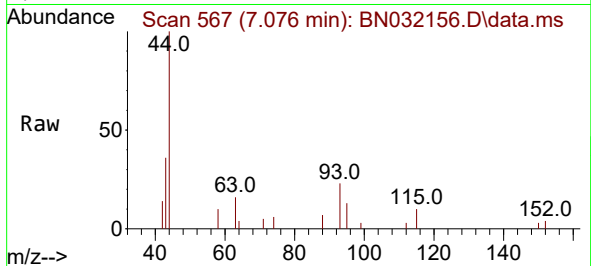
Tgt Ion: 99 Resp: 3891
Ion Ratio Lower Upper
99 100
42 14.8 12.8 19.2
71 29.7 25.4 38.2





#6
bis(2-Chloroethyl)ether
Concen: 0.027 ng
RT: 7.076 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

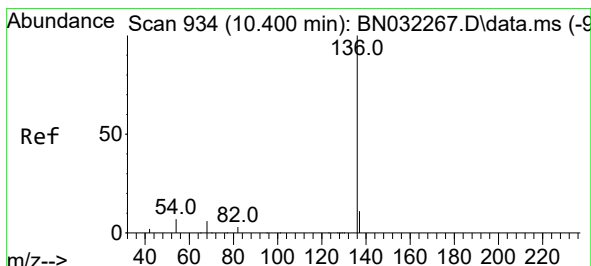
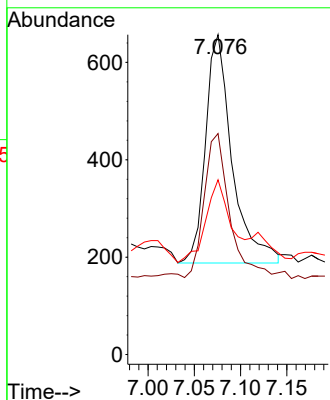
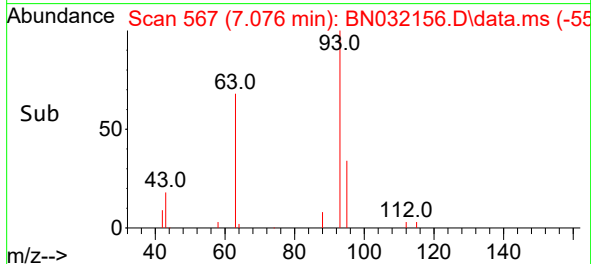
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



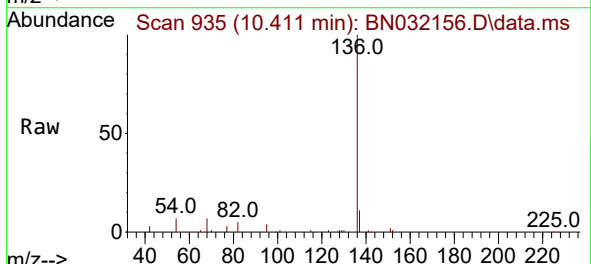
Tgt Ion: 93 Resp: 930
Ion Ratio Lower Upper
93 100
63 60.3 56.2 84.2
95 33.9 26.4 39.6

Manual Integrations
APPROVED

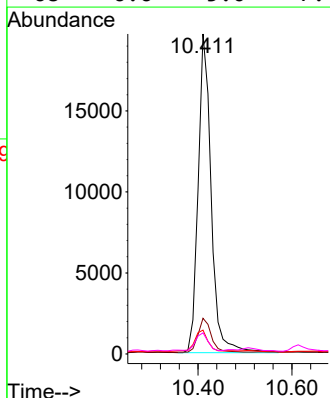
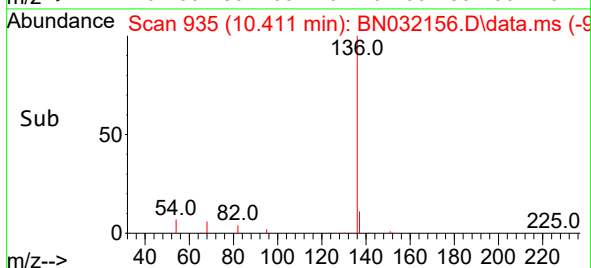
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024

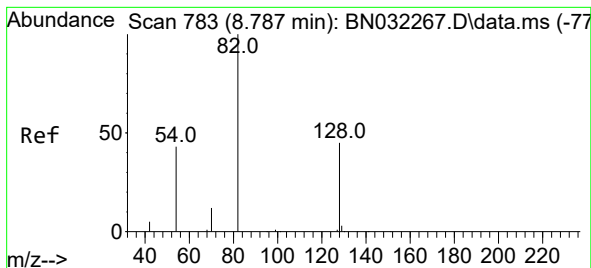


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.411 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47



Tgt Ion:136 Resp: 37908
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 5.6 8.4
68 6.6 5.0 7.4





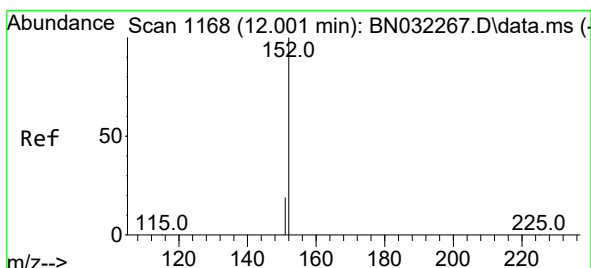
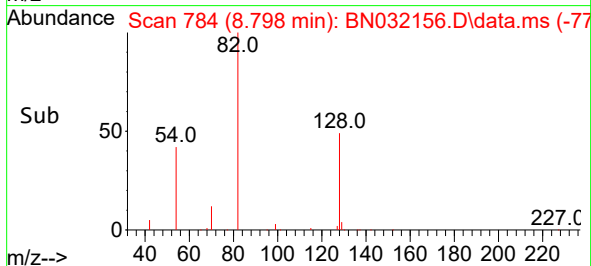
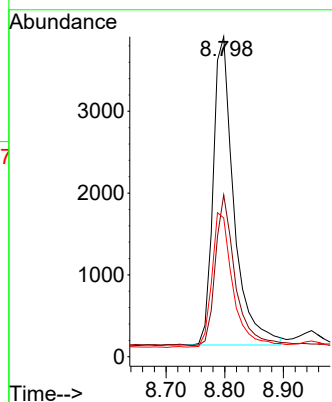
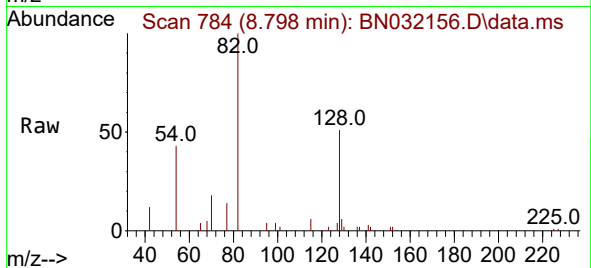
#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

Tgt Ion: 82 Resp: 9200
Ion Ratio Lower Upper
82 100
128 50.6 32.1 48.1
54 43.4 39.7 59.5

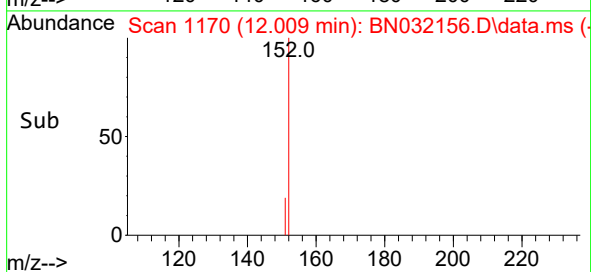
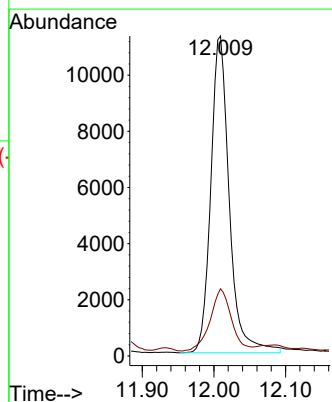
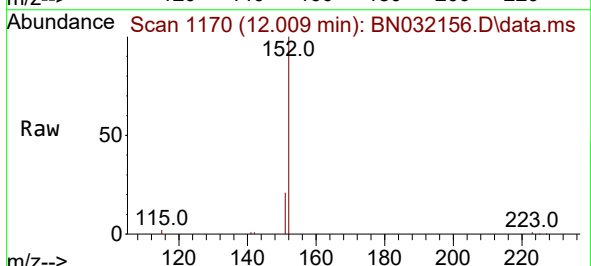
Manual Integrations
APPROVED

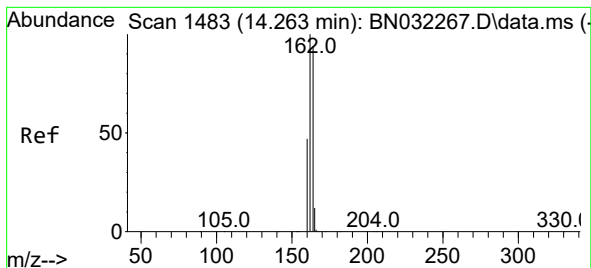
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#11
2-Methylnaphthalene-d10
Concen: 0.335 ng
RT: 12.009 min Scan# 1170
Delta R.T. -0.011 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:152 Resp: 20228
Ion Ratio Lower Upper
152 100
151 22.7 16.3 24.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.274 min Scan# 1484

Delta R.T. -0.011 min

Lab File: BN032156.D

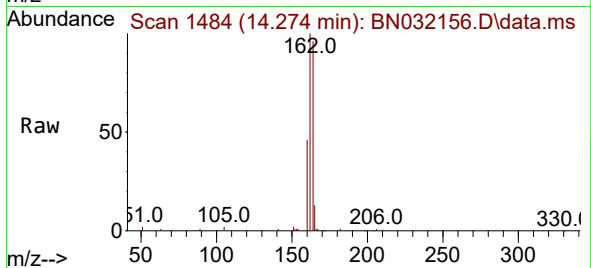
Acq: 22 Jun 2024 06:47

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-478-480



Tgt Ion:164 Resp: 2520

Ion Ratio Lower Upper

164 100

162 104.1 80.7 121.1

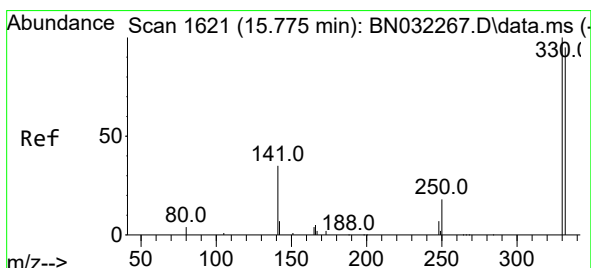
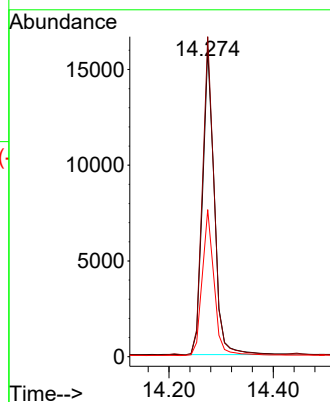
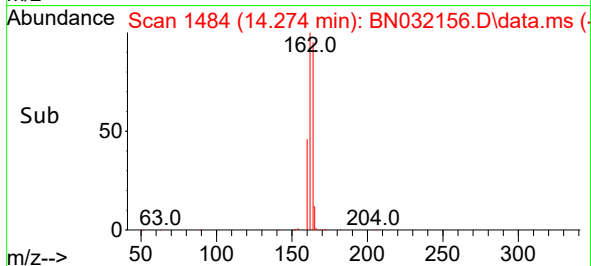
160 47.8 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :mohammad ahmed 06/28/2024



#14

2,4,6-Tribromophenol

Concen: 0.302 ng

RT: 15.775 min Scan# 1621

Delta R.T. -0.012 min

Lab File: BN032156.D

Acq: 22 Jun 2024 06:47

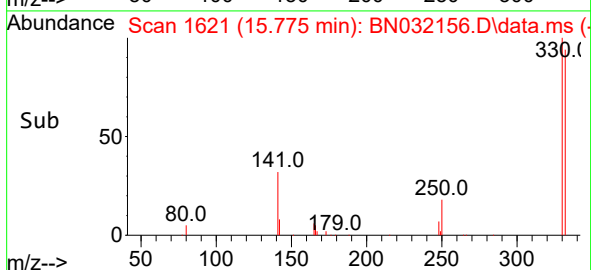
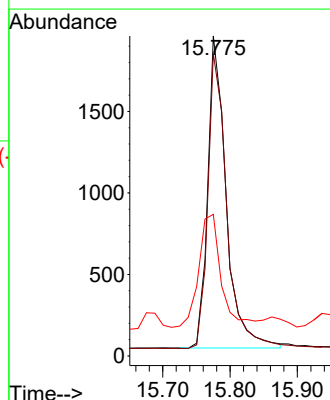
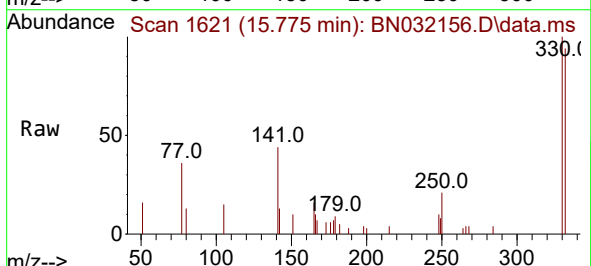
Tgt Ion:330 Resp: 3654

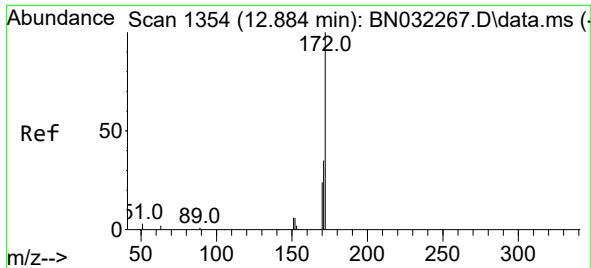
Ion Ratio Lower Upper

330 100

332 97.2 77.5 116.3

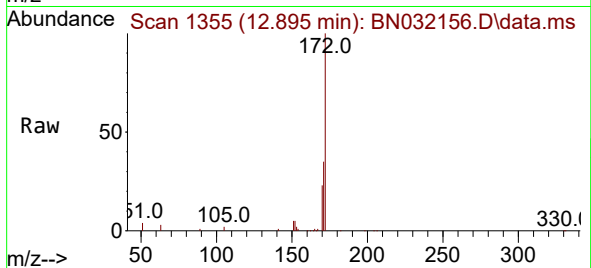
141 43.9 34.7 52.1





#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 12.895 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

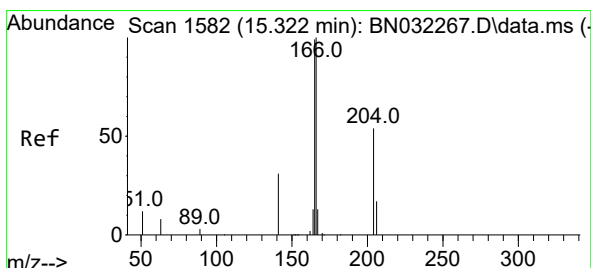
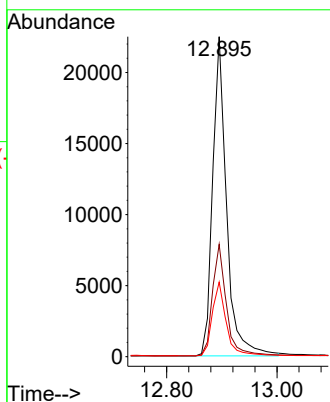
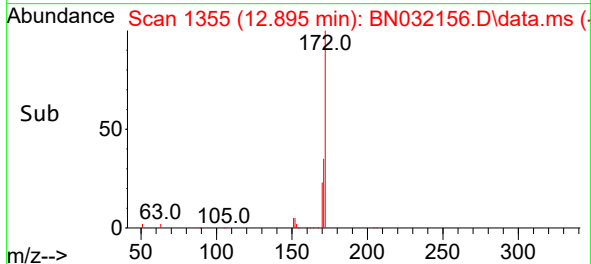
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:172 Resp: 39318
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.3 19.2 28.8

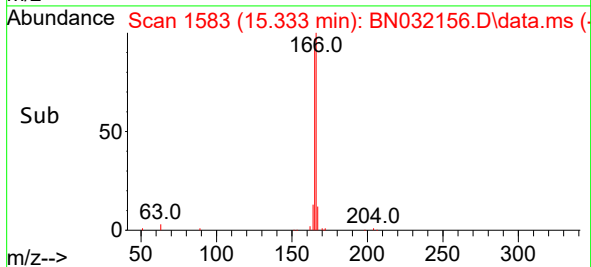
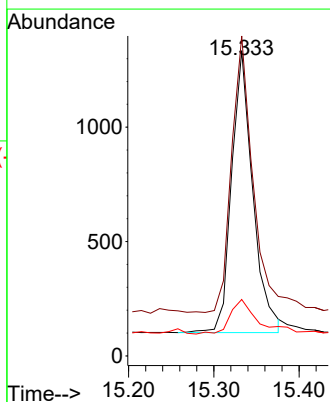
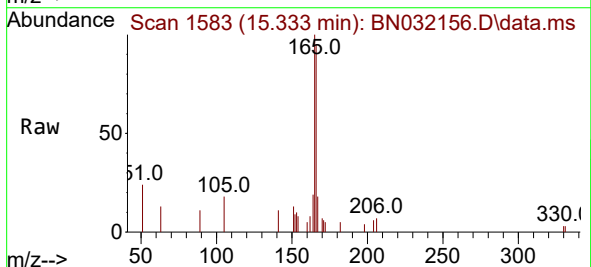
Manual Integrations
APPROVED

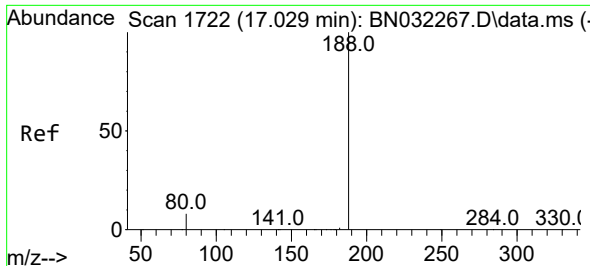
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#18
Fluorene
Concen: 0.021 ng
RT: 15.333 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

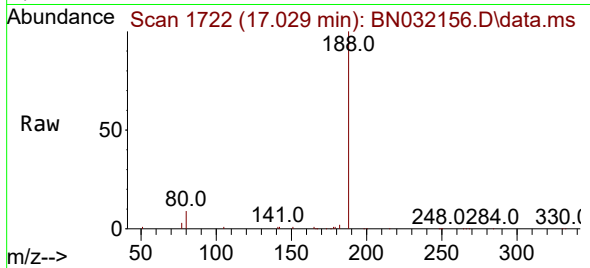
Tgt Ion:166 Resp: 2128
Ion Ratio Lower Upper
166 100
165 97.7 78.3 117.5
167 13.8 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.029 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

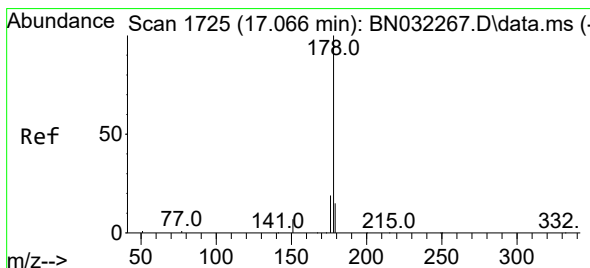
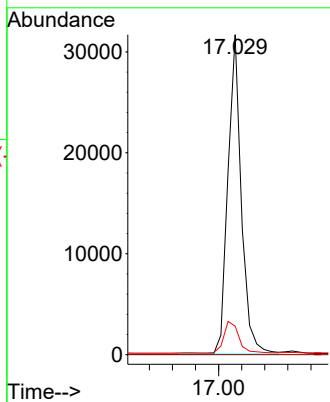
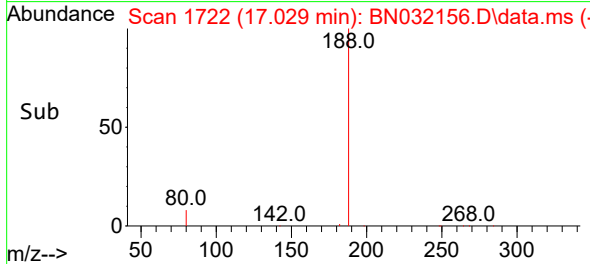
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:188 Resp: 5121
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.9 6.4 9.6

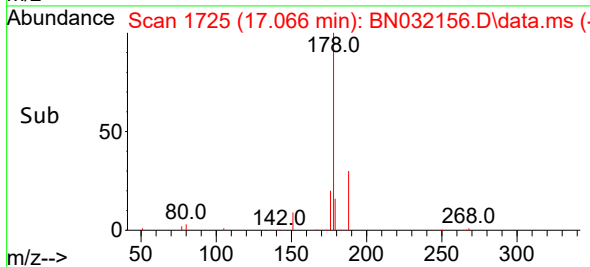
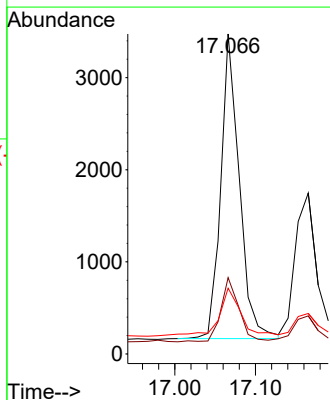
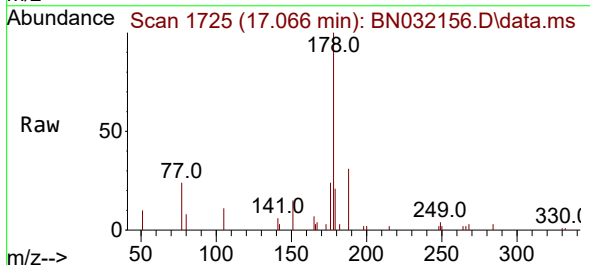
Manual Integrations
APPROVED

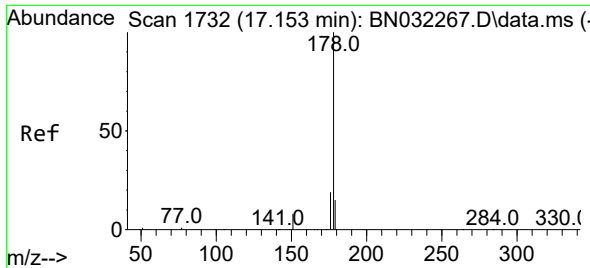
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#25
Phenanthrene
Concen: 0.037 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.012 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

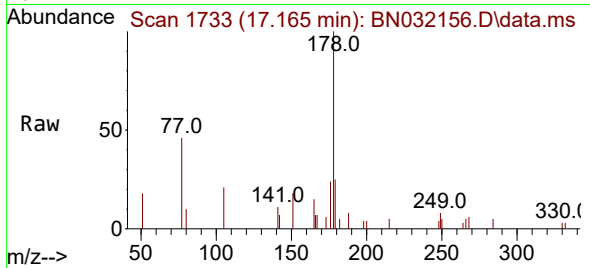
Tgt Ion:178 Resp: 5270
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.0
179 15.8 12.2 18.2





#26
 Anthracene
 Concen: 0.022 ng
 RT: 17.165 min Scan# 1733
 Delta R.T. 0.000 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47

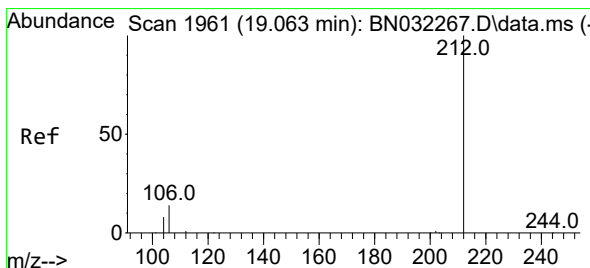
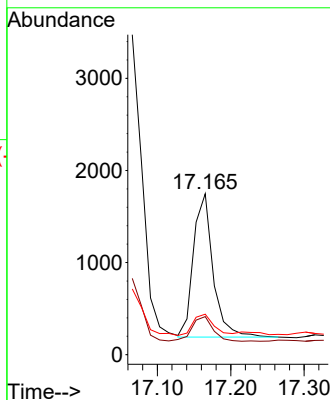
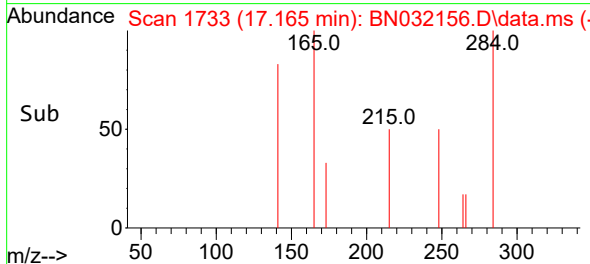
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-478-480



Tgt Ion:178 Resp: 2898
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.5 12.2 18.2

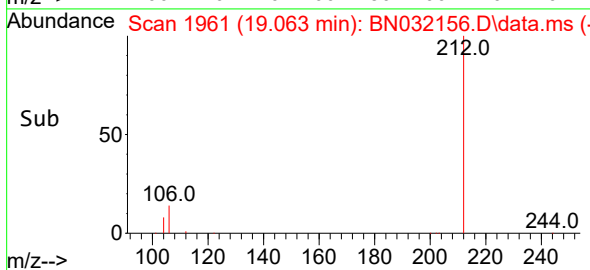
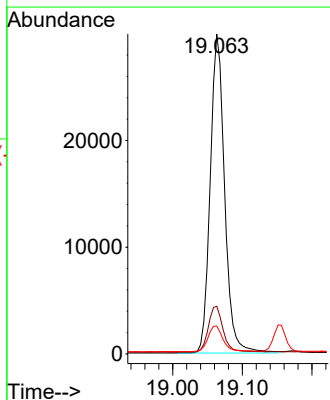
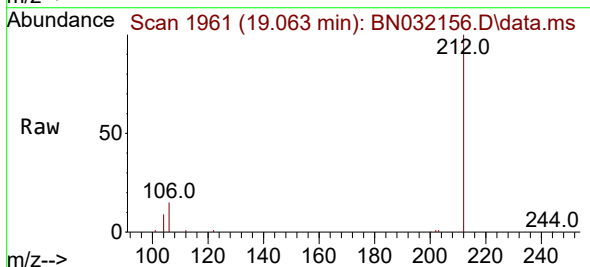
Manual Integrations
 APPROVED

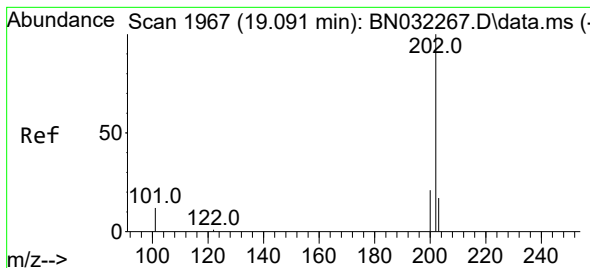
Reviewed By :Yogesh Patel 06/28/2024
 Supervised By :mohammad ahmed 06/28/2024



#27
 Fluoranthene-d10
 Concen: 0.309 ng
 RT: 19.063 min Scan# 1961
 Delta R.T. -0.009 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47

Tgt Ion:212 Resp: 43046
 Ion Ratio Lower Upper
 212 100
 106 14.8 11.8 17.8
 104 8.5 6.6 10.0





#28

Fluoranthene

Concen: 0.036 ng

RT: 19.096 min Scan# 1967

Delta R.T. -0.005 min

Lab File: BN032156.D

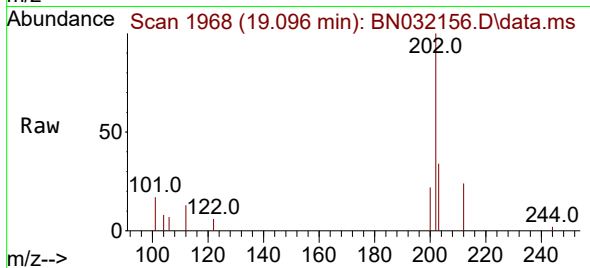
Acq: 22 Jun 2024 06:47

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-478-480



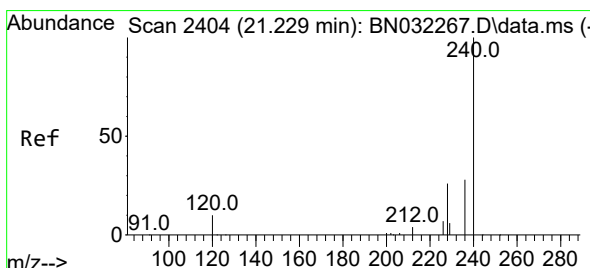
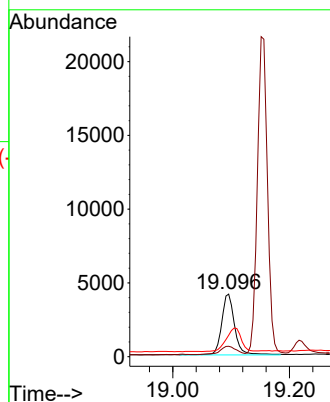
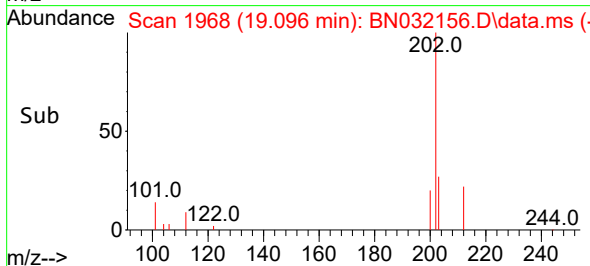
Tgt Ion:	202	Resp:	6284
Ion Ratio	Lower	Upper	
202	100		
101	17.7	9.8	14.6
203	44.9	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :mohammad ahmed 06/28/2024



#29

Chrysene-d12

Concen: 0.400 ng

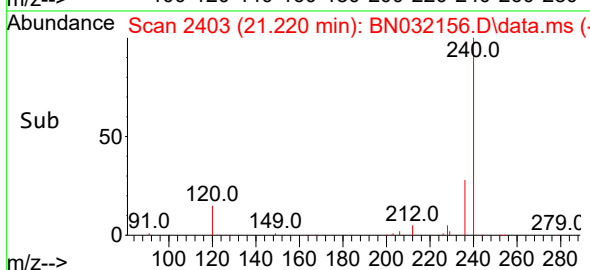
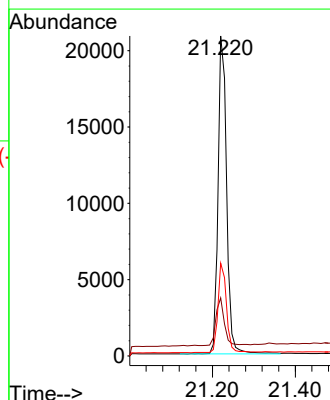
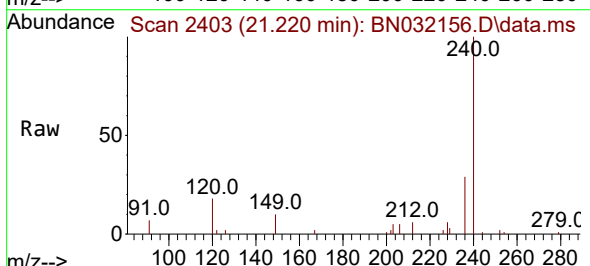
RT: 21.220 min Scan# 2403

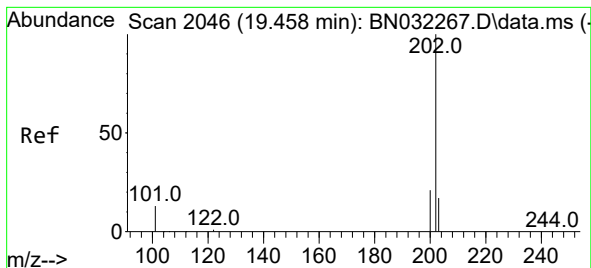
Delta R.T. -0.009 min

Lab File: BN032156.D

Acq: 22 Jun 2024 06:47

Tgt Ion:	240	Resp:	29773
Ion Ratio	Lower	Upper	
240	100		
120	18.2	8.2	12.4
236	29.0	21.8	32.8





#30

Pyrene

Concen: 0.053 ng

RT: 19.458 min Scan# 2046

Delta R.T. -0.009 min

Lab File: BN032156.D

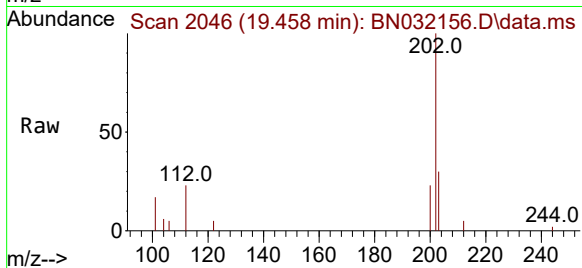
Acq: 22 Jun 2024 06:47

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-478-480



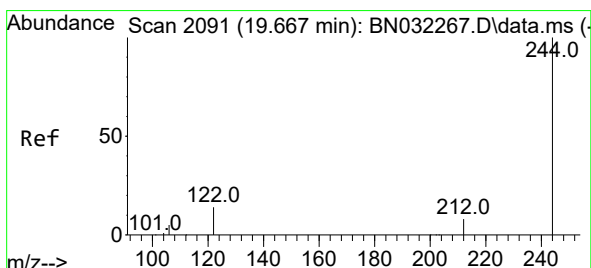
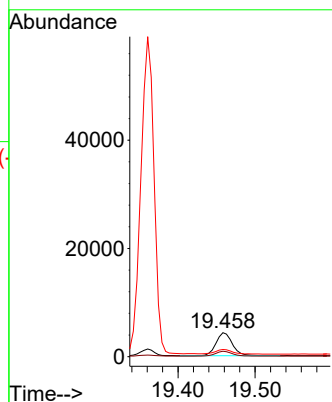
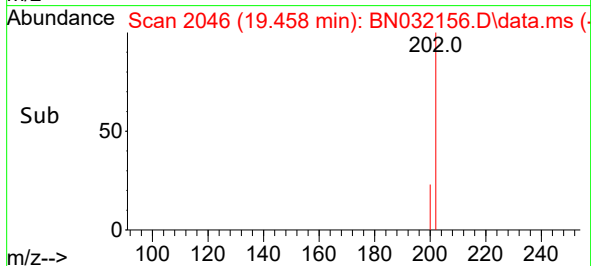
Tgt Ion:	202	Resp:	6258
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	0.0	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :mohammad ahmed 06/28/2024



#31

Terphenyl-d14

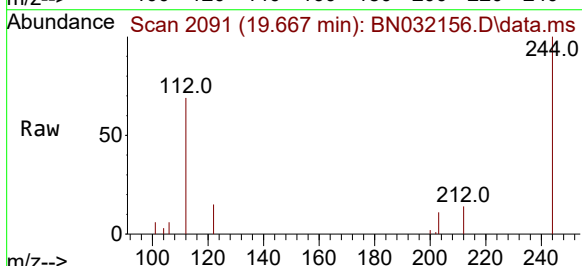
Concen: 0.553 ng

RT: 19.667 min Scan# 2091

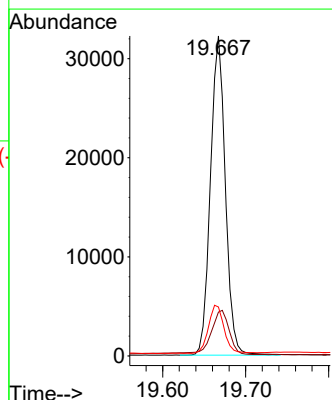
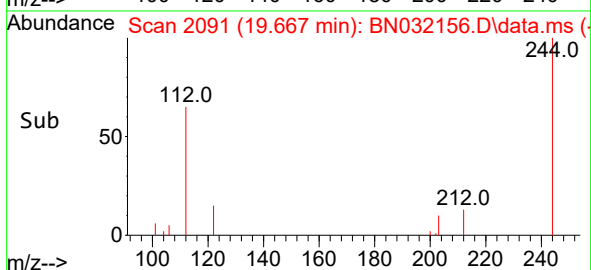
Delta R.T. -0.005 min

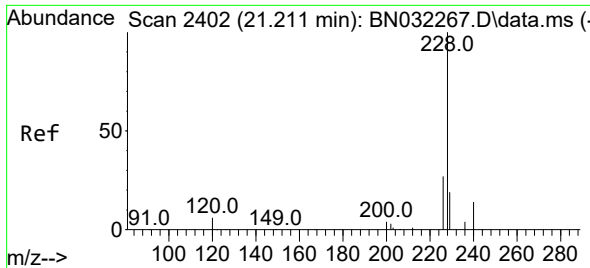
Lab File: BN032156.D

Acq: 22 Jun 2024 06:47



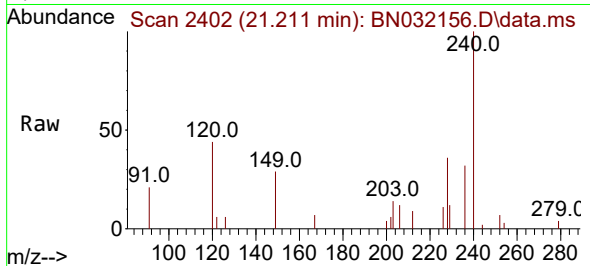
Tgt Ion:	244	Resp:	40258
Ion Ratio	Lower	Upper	
244	100		
212	13.7	6.5	9.7
122	15.3	11.4	17.0





#32
Benzo(a)anthracene
Concen: 0.031 ng
RT: 21.211 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

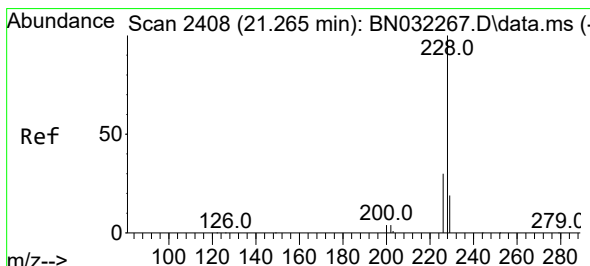
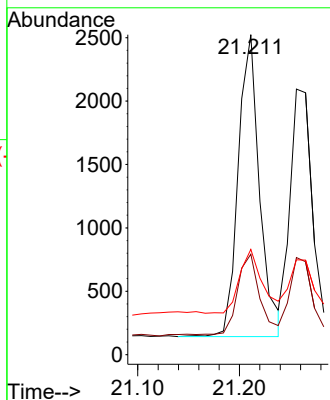
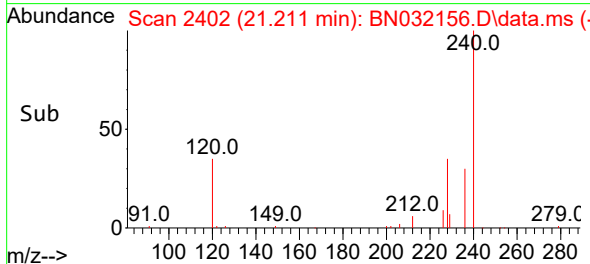
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



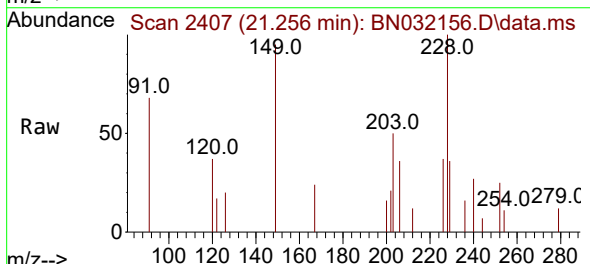
Tgt Ion:228 Resp: 3468
Ion Ratio Lower Upper
228 100
226 31.4 21.8 32.6
229 32.9 15.8 23.8

Manual Integrations
APPROVED

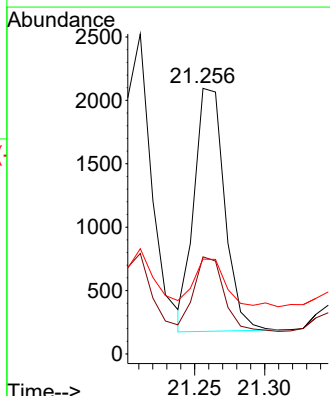
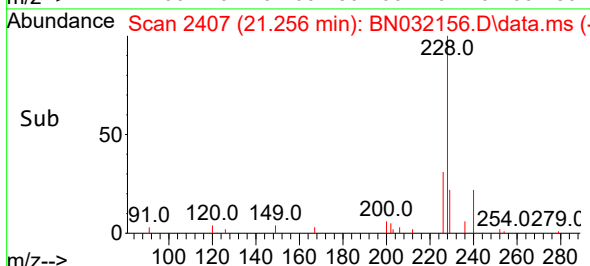
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024

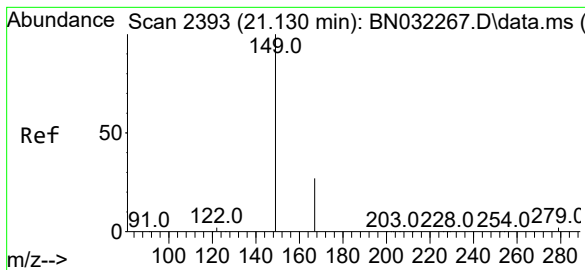


#33
Chrysene
Concen: 0.027 ng
RT: 21.256 min Scan# 2407
Delta R.T. -0.009 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47



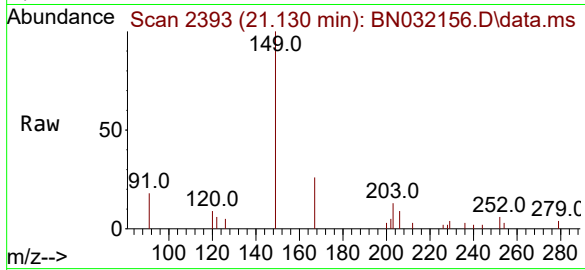
Tgt Ion:228 Resp: 2906
Ion Ratio Lower Upper
228 100
226 36.6 23.6 35.4#
229 35.7 15.8 23.6#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.116 ng
RT: 21.130 min Scan# 2113
Delta R.T. -0.018 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

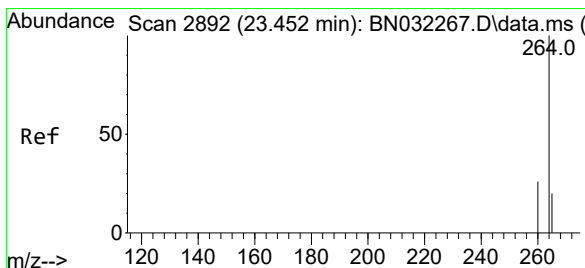
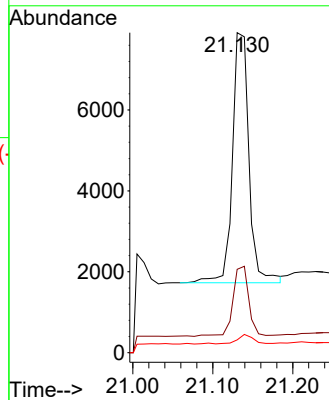
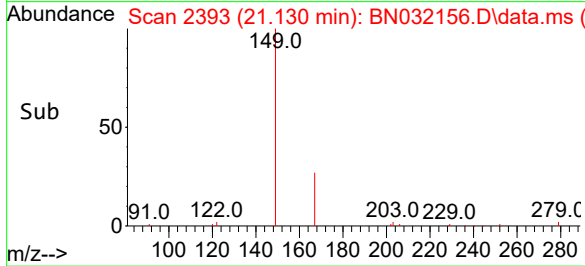
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:149 Resp: 8880
Ion Ratio Lower Upper
149 100
167 26.4 22.5 33.7
279 3.5 2.9 4.3

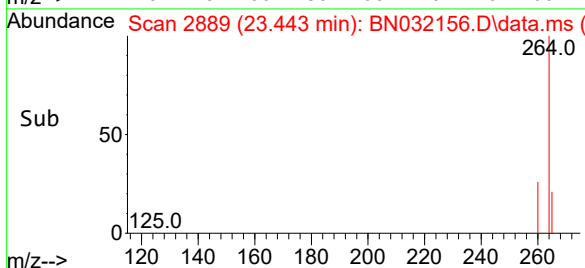
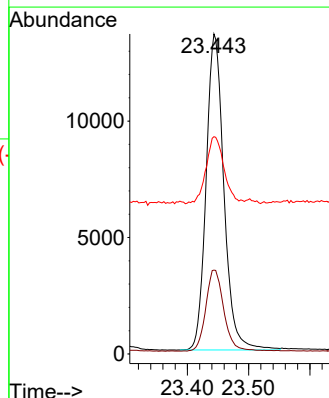
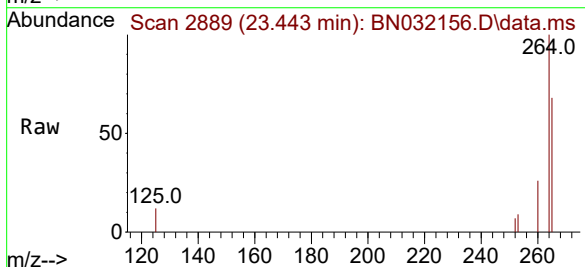
Manual Integrations
APPROVED

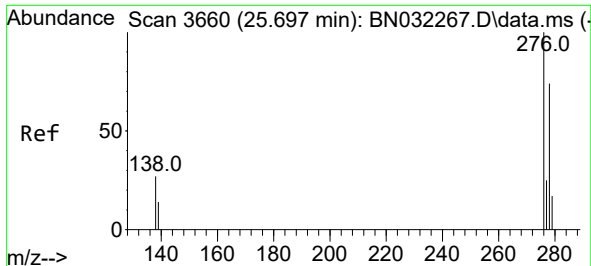
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.443 min Scan# 2889
Delta R.T. -0.009 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

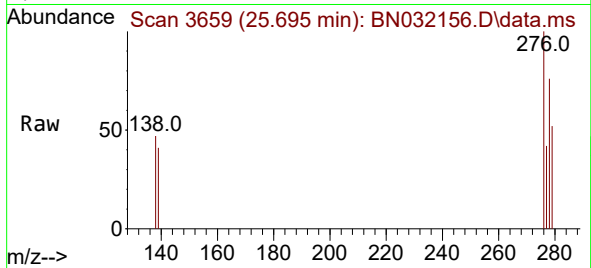
Tgt Ion:264 Resp: 27374
Ion Ratio Lower Upper
264 100
260 26.2 20.5 30.7
265 67.9 39.6 59.4#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.030 ng
 RT: 25.695 min Scan# 307
 Delta R.T. 0.000 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47

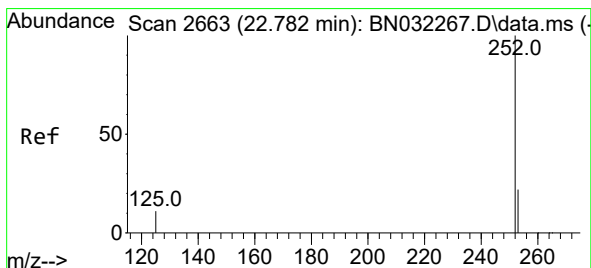
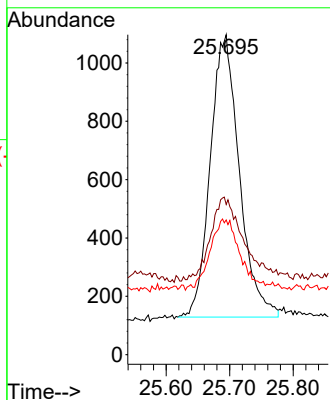
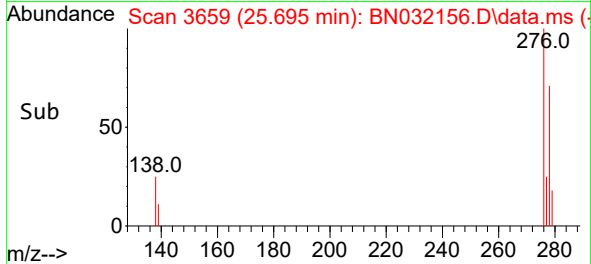
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-478-480



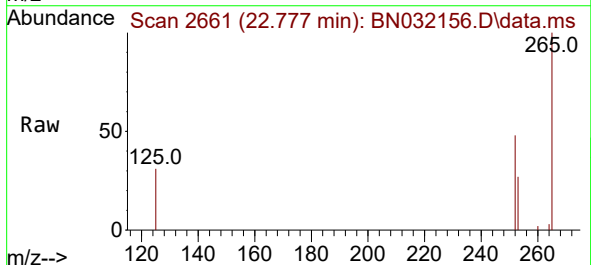
Tgt Ion: 276 Resp: 307
 Ion Ratio Lower Upper
 276 100
 138 30.5 21.5 32.3
 277 24.4 19.8 29.8

Manual Integrations
 APPROVED

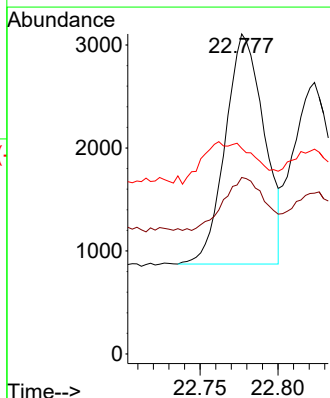
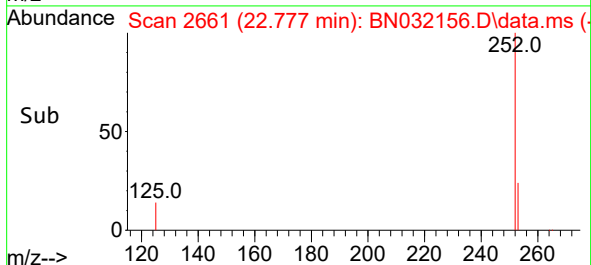
Reviewed By :Yogesh Patel 06/28/2024
 Supervised By :mohammad ahmed 06/28/2024

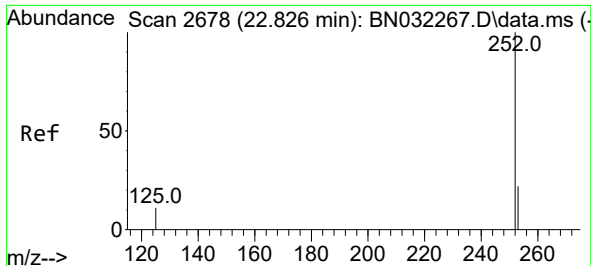


#37
 Benzo(b)fluoranthene
 Concen: 0.039 ng
 RT: 22.777 min Scan# 2661
 Delta R.T. -0.009 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47



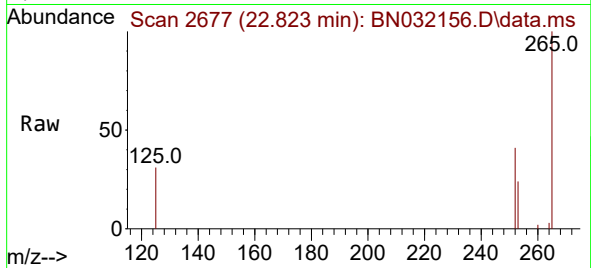
Tgt Ion: 252 Resp: 3858
 Ion Ratio Lower Upper
 252 100
 253 55.2 20.2 30.2#
 125 64.2 14.2 21.4#





#38
Benzo(k)fluoranthene
Concen: 0.032 ng m
RT: 22.823 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

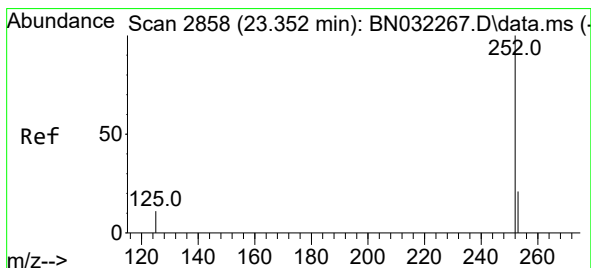
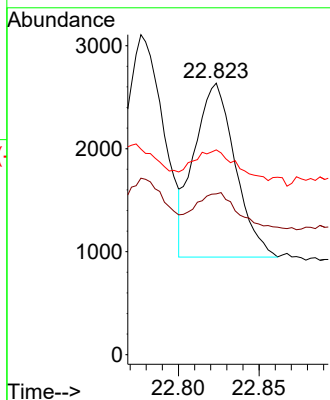
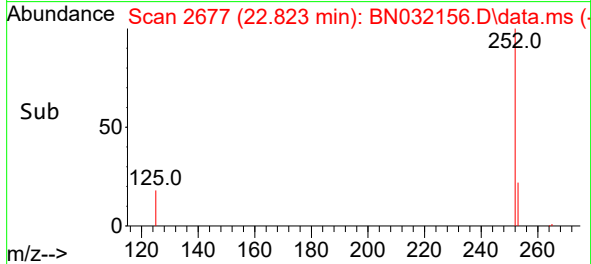
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:252 Resp: 298
Ion Ratio Lower Upper
252 100
253 59.3 19.9 29.9#
125 75.4 13.0 19.4#

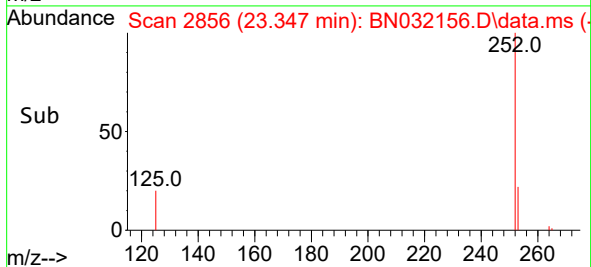
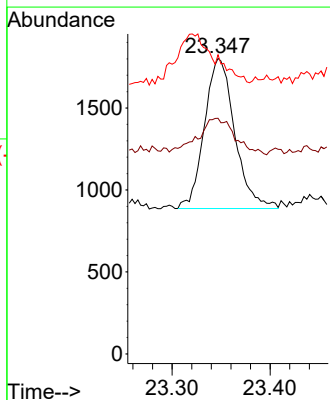
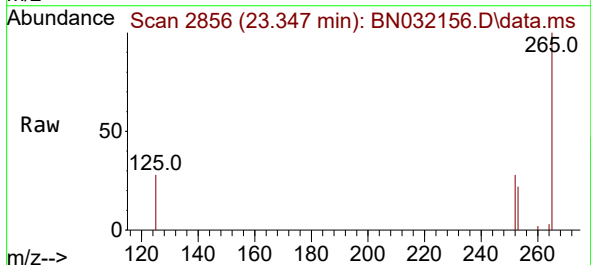
Manual Integrations
APPROVED

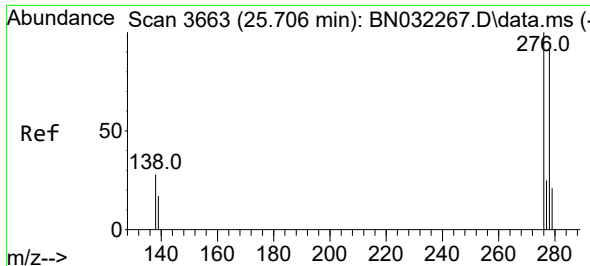
Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#39
Benzo(a)pyrene
Concen: 0.023 ng
RT: 23.347 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

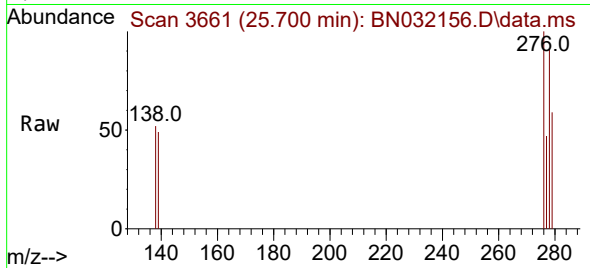
Tgt Ion:252 Resp: 1971
Ion Ratio Lower Upper
252 100
253 79.8 20.5 30.7#
125 101.2 16.4 24.6#





#40
Dibenzo(a,h)anthracene
Concen: 0.030 ng
RT: 25.700 min Scan# 3663
Delta R.T. -0.006 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

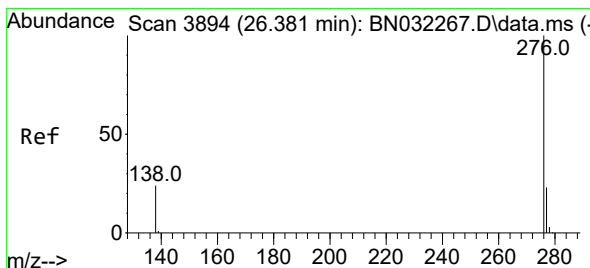
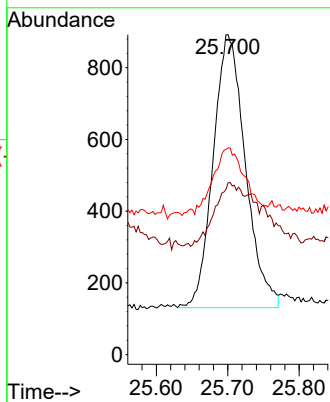
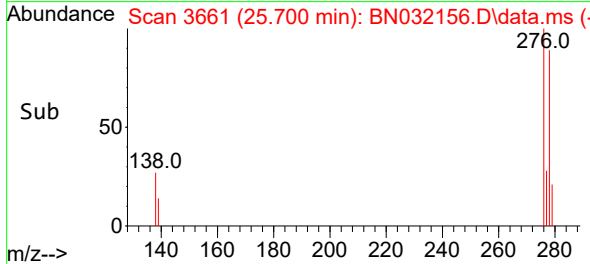
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:278 Resp: 238
Ion Ratio Lower Upper
278 100
139 53.7 17.0 25.4
279 64.6 21.4 32.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/28/2024
Supervised By :mohammad ahmed 06/28/2024



#41
Benzo(g,h,i)perylene
Concen: 0.026 ng
RT: 26.376 min Scan# 3892
Delta R.T. -0.003 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:276 Resp: 2226
Ion Ratio Lower Upper
276 100
277 48.3 20.2 30.2#
138 52.6 20.6 31.0#

