

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033614.D
 Acq On : 24 Aug 2024 06:33
 Operator : MA/JU
 Sample : P3707-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-930-K1-SO-0-0.5-082024

Quant Time: Aug 24 07:20:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
 Supervised By :mohammad ahmed 08/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8361	0.400	ng	0.00
7) Naphthalene-d8	10.303	136	21916	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	10368	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20072	0.400	ng	0.00
29) Chrysene-d12	21.130	240	17038	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	19418	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	5494	0.207	ng	0.00
5) Phenol-d6	6.736	99	6825	0.216	ng	0.00
8) Nitrobenzene-d5	8.670	82	4754	0.262	ng	-0.01
11) 2-Methylnaphthalene-d10	11.899	152	7519	0.240	ng	0.00
14) 2,4,6-Tribromophenol	15.675	330	1296	0.233	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	10197	0.241	ng	0.00
27) Fluoranthene-d10	18.970	212	10762	0.223	ng	0.00
31) Terphenyl-d14	19.583	244	7562	0.195	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.346	128	4182	0.071	ng	# 93
12) 2-Methylnaphthalene	11.975	142	2706	0.073	ng	# 96
16) Acenaphthylene	13.889	152	18107	0.398	ng	99
17) Acenaphthene	14.242	154	1552	0.049	ng	96
18) Fluorene	15.236	166	2413	0.060	ng	92
25) Phenanthrene	16.966	178	51268	0.918	ng	99
26) Anthracene	17.053	178	27828	0.563	ng	99
28) Fluoranthene	18.998	202	278233	4.509	ng	99
30) Pyrene	19.360	202	237540	3.124	ng	# 96
32) Benzo(a)anthracene	21.121	228	168053	2.728	ng	93
33) Chrysene	21.166	228	169823	2.774	ng	96
34) Bis(2-ethylhexyl)phtha...	21.076	149	27831m	0.714	ng	
36) Indeno(1,2,3-cd)pyrene	25.449	276	88294	1.095	ng	94
37) Benzo(b)fluoranthene	22.656	252	208266	2.872	ng	# 95
38) Benzo(k)fluoranthene	22.697	252	72008m	1.009	ng	
39) Benzo(a)pyrene	23.206	252	140968m	2.349	ng	
40) Dibenzo(a,h)anthracene	25.457	278	25353	0.393	ng	# 81
41) Benzo(g,h,i)perylene	26.103	276	88037	1.277	ng	98

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

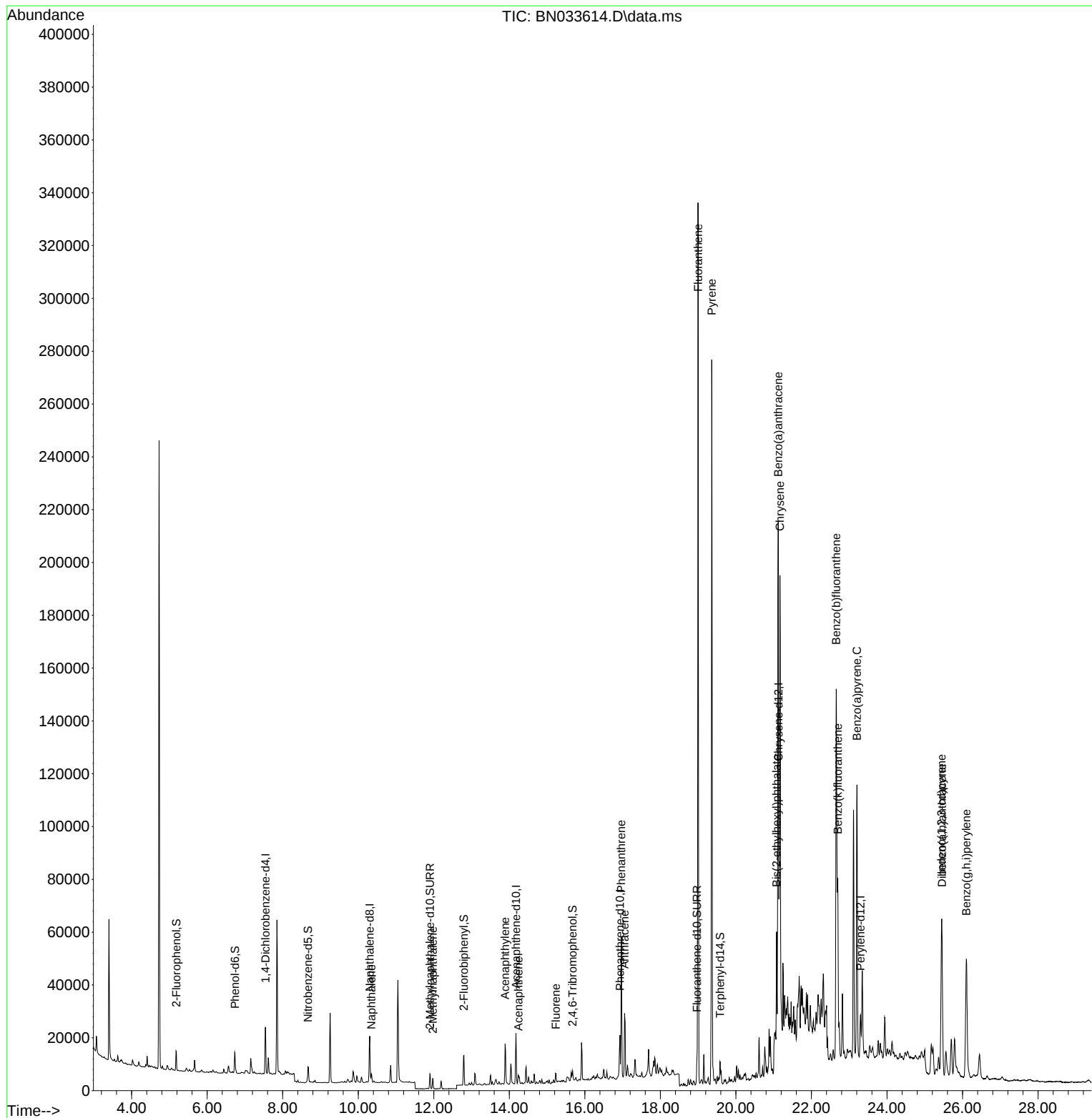
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
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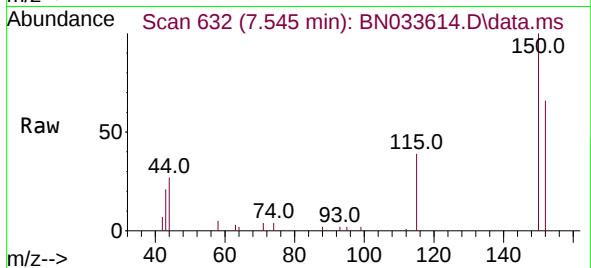
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

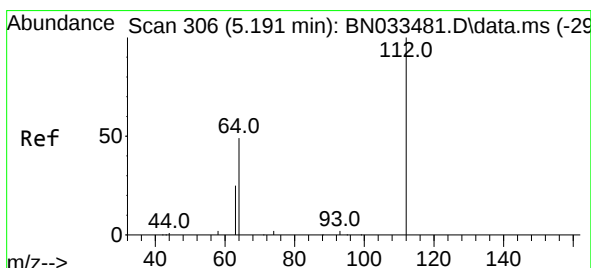
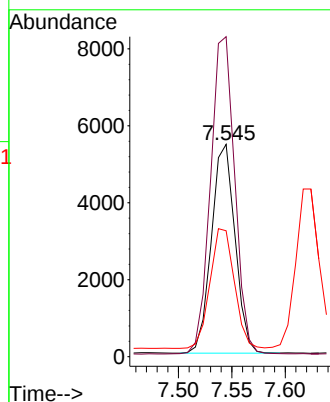
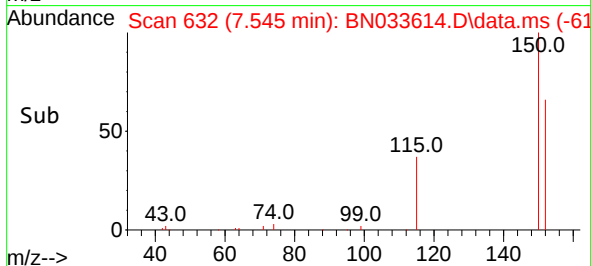
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



Tgt Ion:152 Resp: 836
Ion Ratio Lower Upper
152 100
150 150.8 122.2 183.2
115 59.4 47.2 70.8

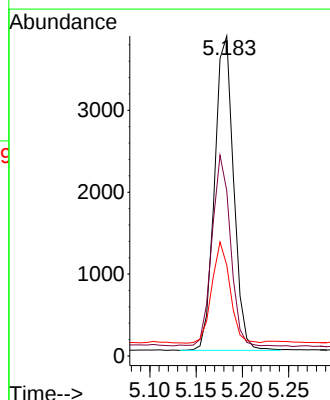
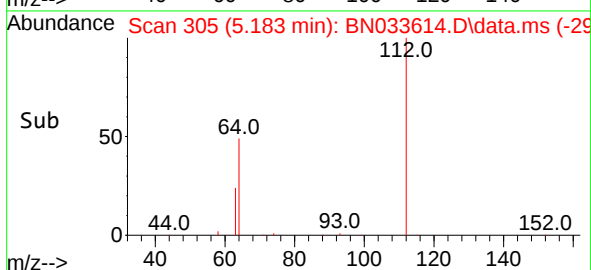
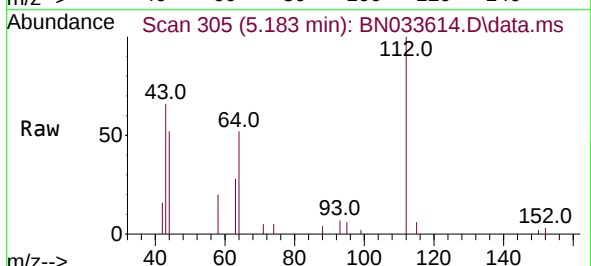
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Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.207 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

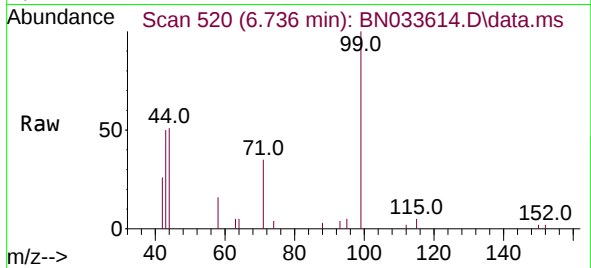
Tgt Ion:112 Resp: 5494
Ion Ratio Lower Upper
112 100
64 58.7 47.1 70.7
63 30.6 24.9 37.3





#5
Phenol-d6
Concen: 0.216 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

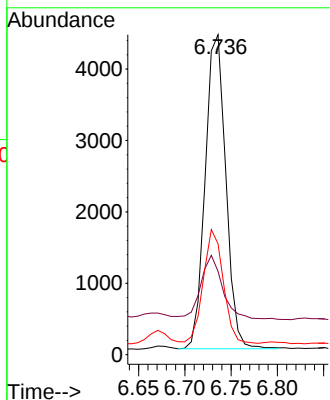
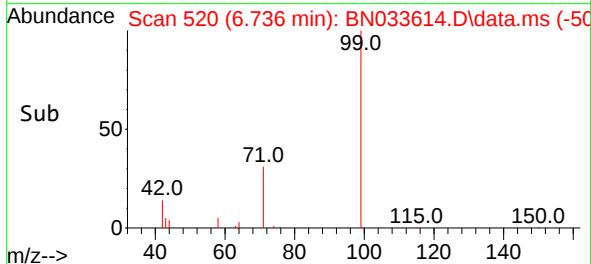
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



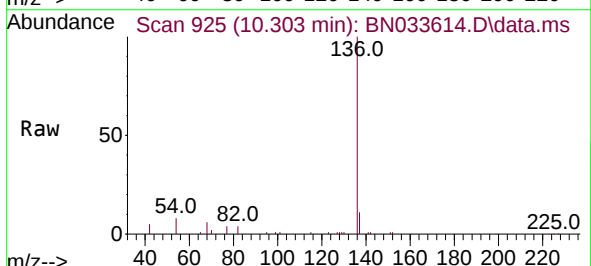
Tgt Ion: 99 Resp: 682
Ion Ratio Lower Upper
99 100
42 21.6 16.6 24.8
71 35.2 26.2 39.4

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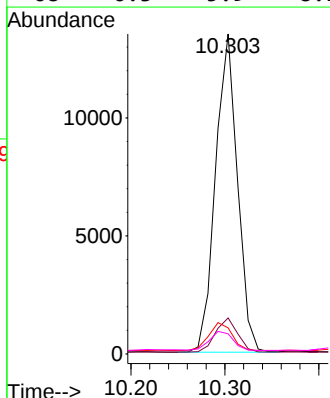
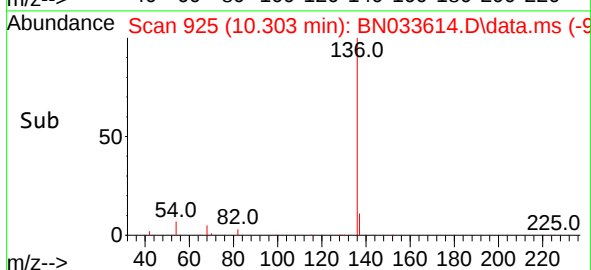
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.303 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33



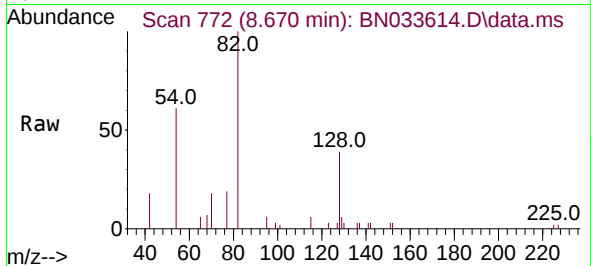
Tgt Ion:136 Resp: 21916
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 8.1 8.3 12.5#
68 6.3 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.262 ng
RT: 8.670 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

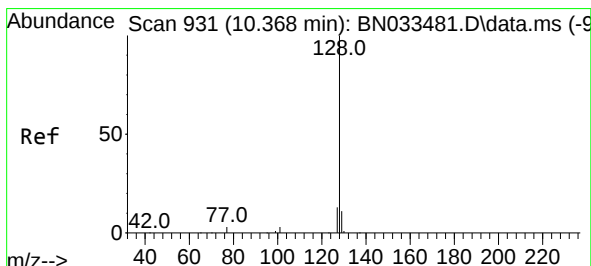
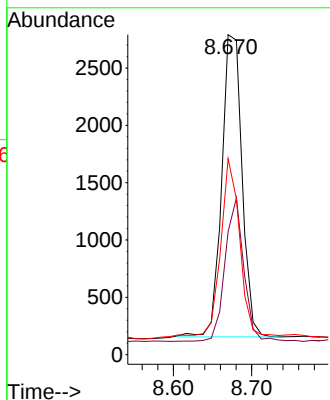
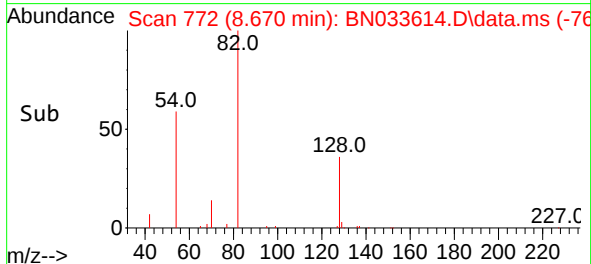
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



Tgt Ion: 82 Resp: 4754
Ion Ratio Lower Upper
82 100
128 38.5 36.0 54.0
54 61.3 42.0 63.0

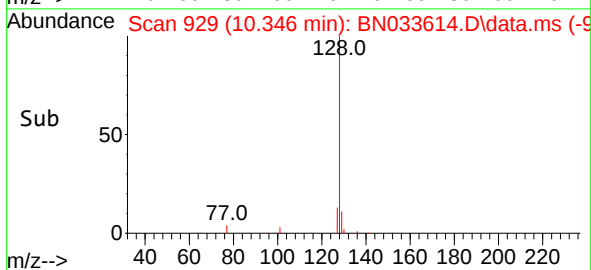
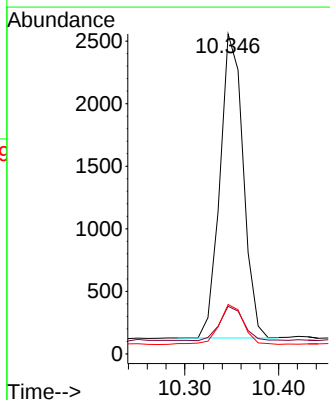
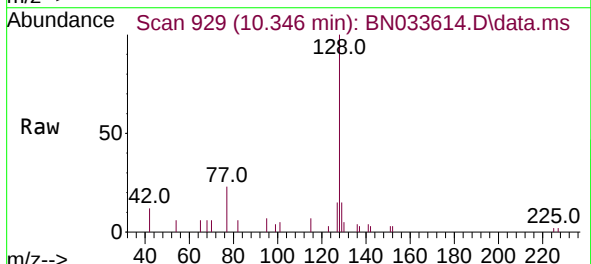
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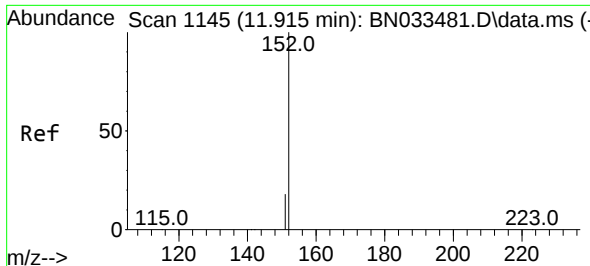
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.071 ng
RT: 10.346 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

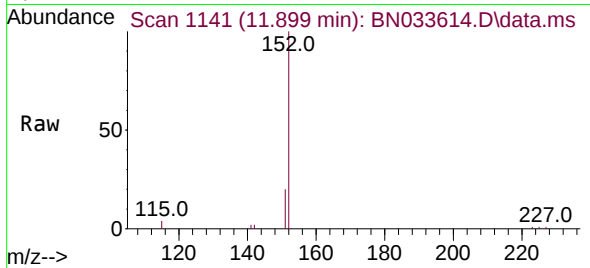
Tgt Ion:128 Resp: 4182
Ion Ratio Lower Upper
128 100
129 14.9 9.1 13.7#
127 15.4 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.240 ng
RT: 11.899 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

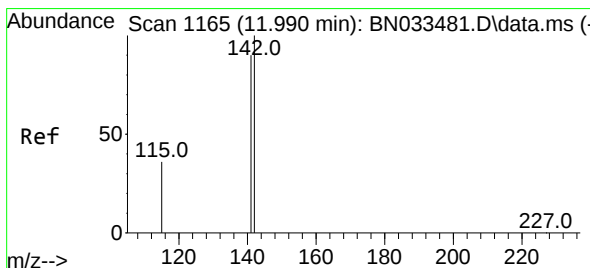
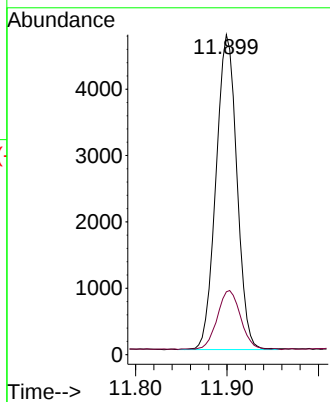
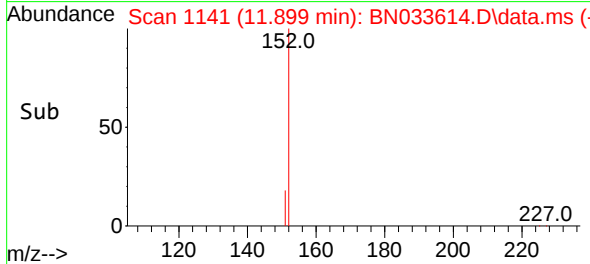
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



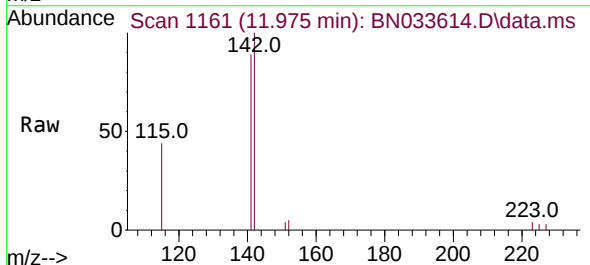
Tgt Ion:152 Resp: 7519
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0

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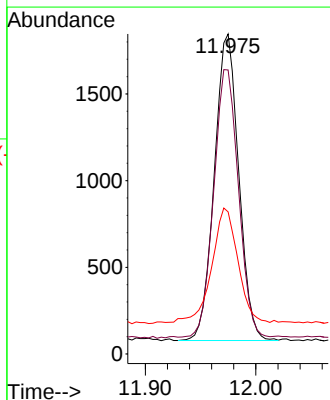
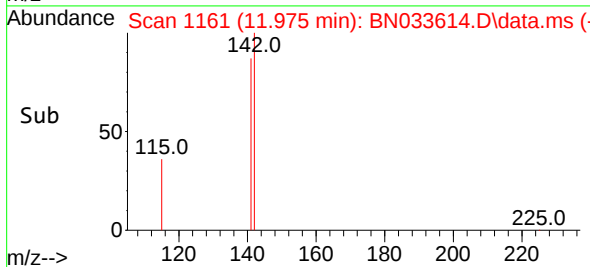
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024

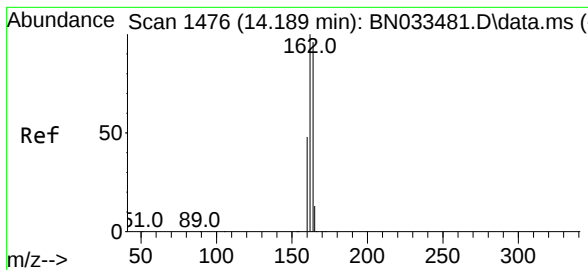


#12
2-Methylnaphthalene
Concen: 0.073 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33



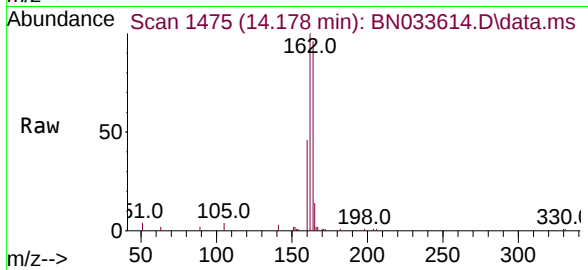
Tgt Ion:142 Resp: 2706
Ion Ratio Lower Upper
142 100
141 88.7 71.7 107.5
115 44.4 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

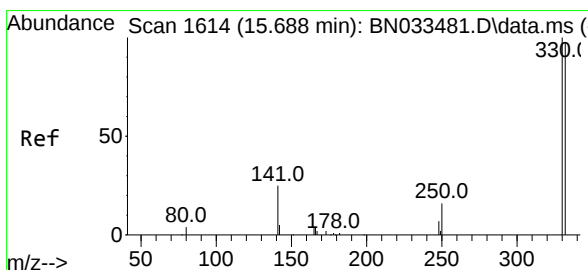
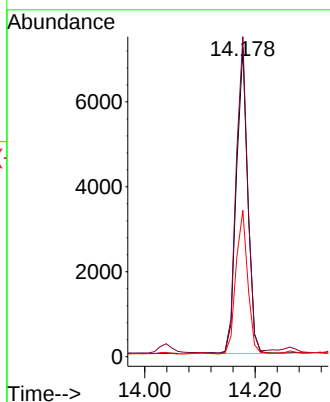
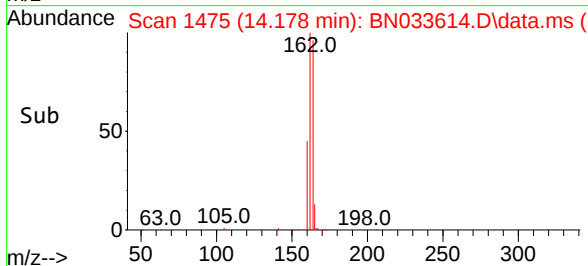
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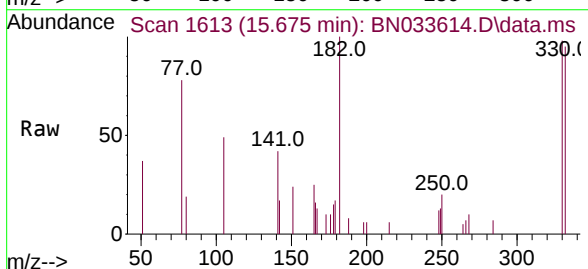
Tgt Ion:164 Resp: 1036
Ion Ratio Lower Upper
164 100
162 103.8 83.5 125.3
160 47.4 40.2 60.4

Manual Integrations
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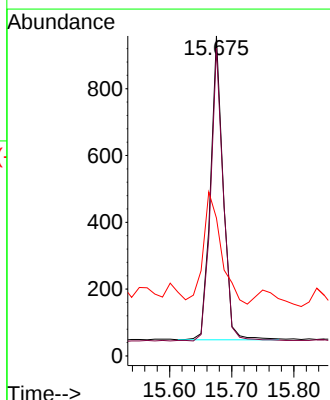
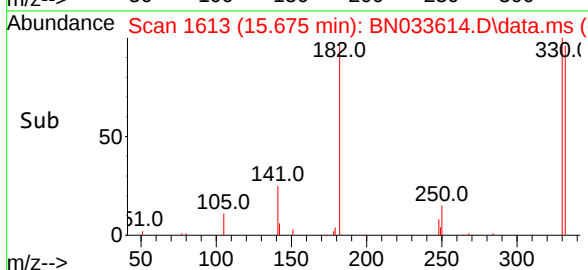
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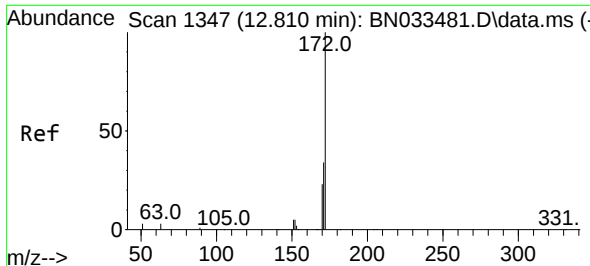


#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 15.675 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33



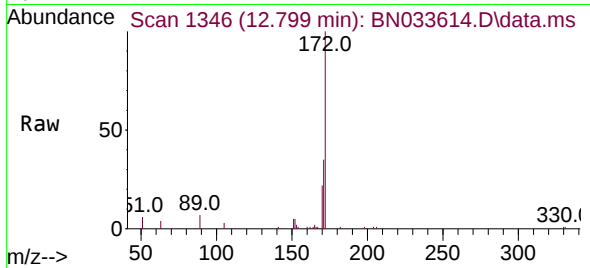
Tgt Ion:330 Resp: 1296
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 51.7 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

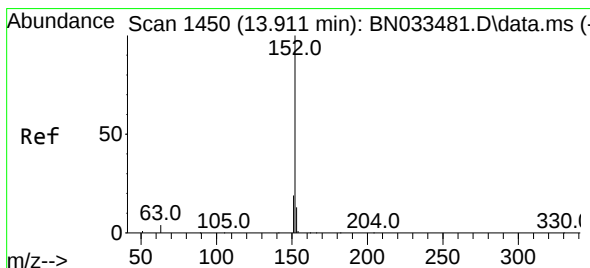
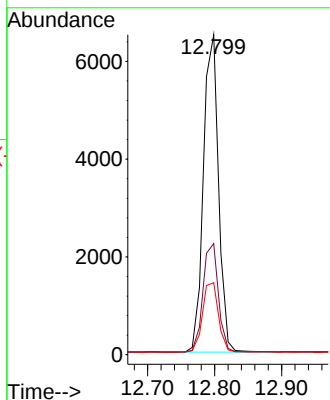
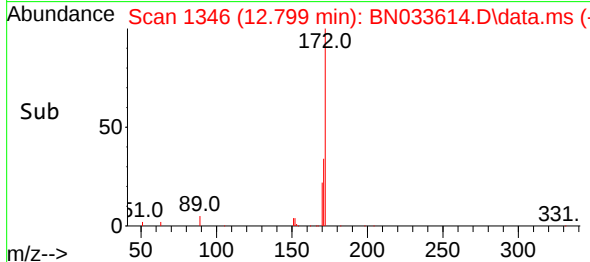
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Tgt Ion:172 Resp: 1019
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 22.5 18.3 27.5

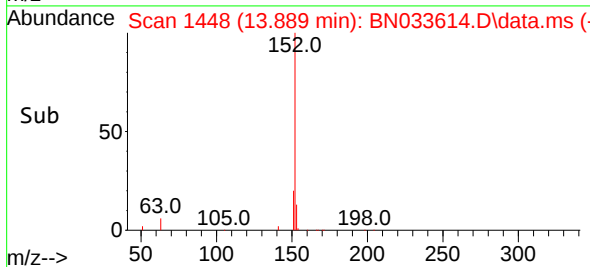
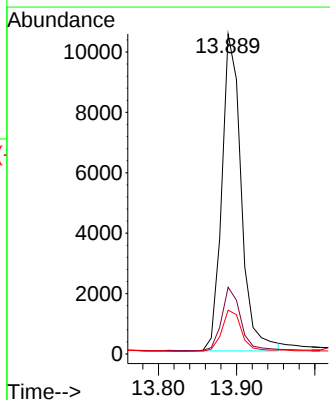
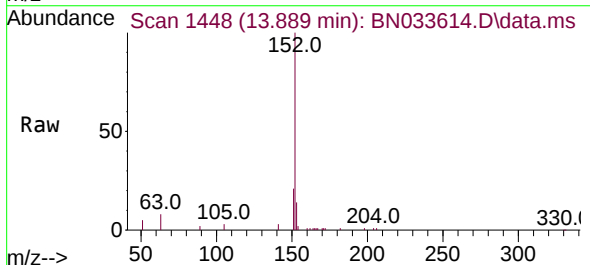
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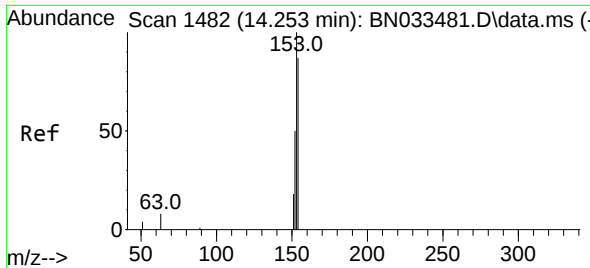
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.398 ng
RT: 13.889 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

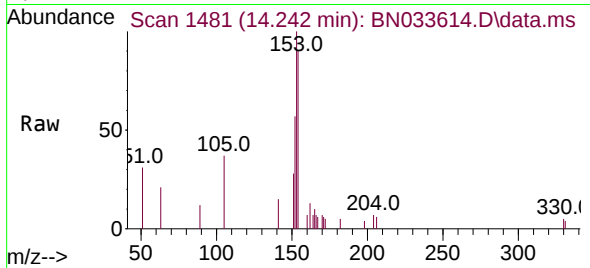
Tgt Ion:152 Resp: 18107
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.3 10.3 15.5





#17
Acenaphthene
Concen: 0.049 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

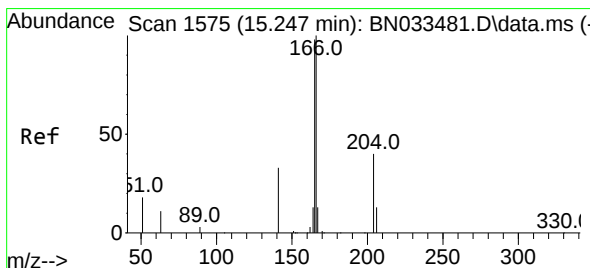
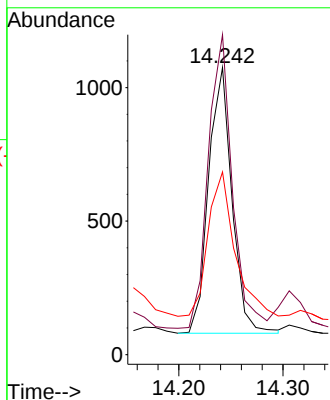
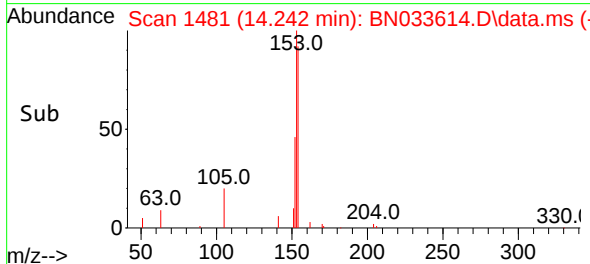
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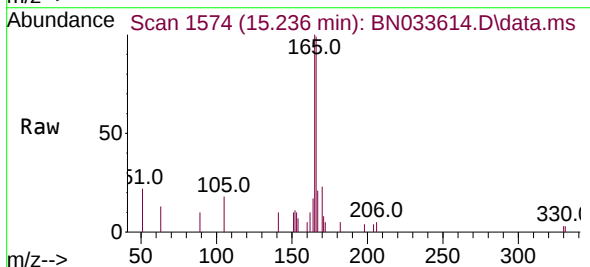
Tgt Ion:154 Resp: 1552
Ion Ratio Lower Upper
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153 113.2 89.0 133.6
152 61.9 45.2 67.8

Manual Integrations
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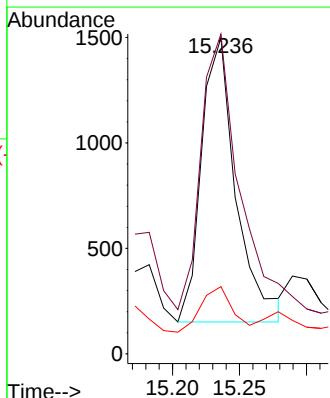
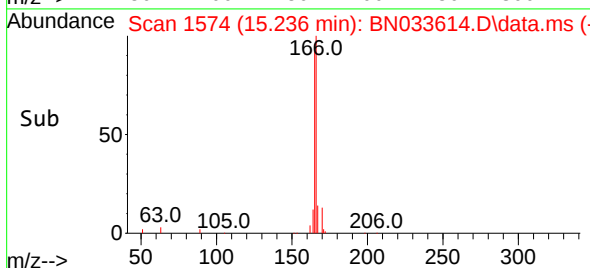
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024

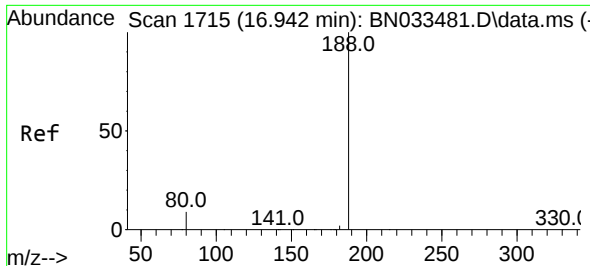


#18
Fluorene
Concen: 0.060 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33



Tgt Ion:166 Resp: 2413
Ion Ratio Lower Upper
166 100
165 106.6 78.2 117.4
167 14.8 10.6 16.0





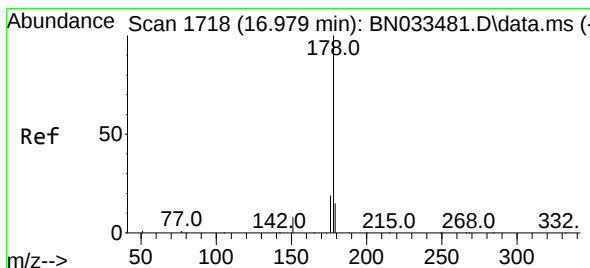
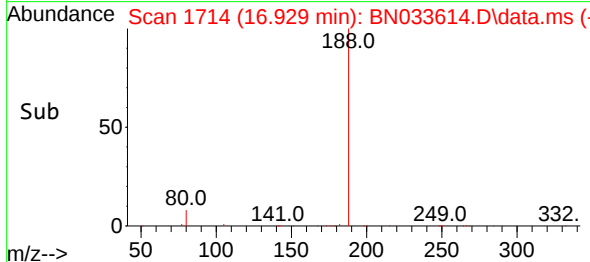
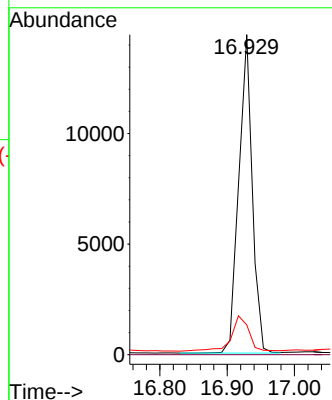
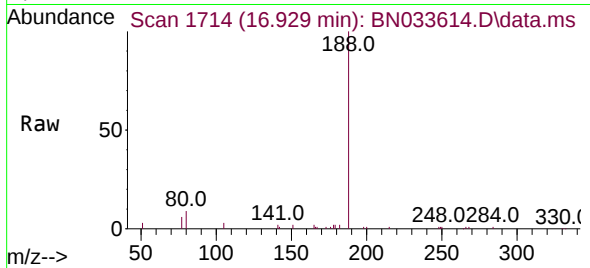
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024

Tgt Ion:188 Resp: 20072
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 7.8 11.8

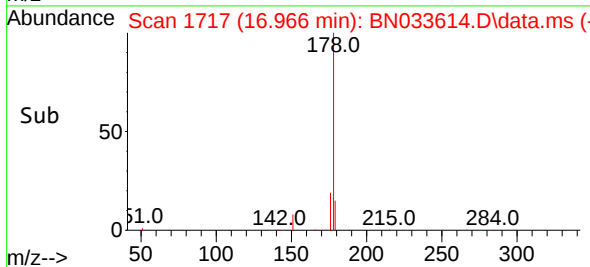
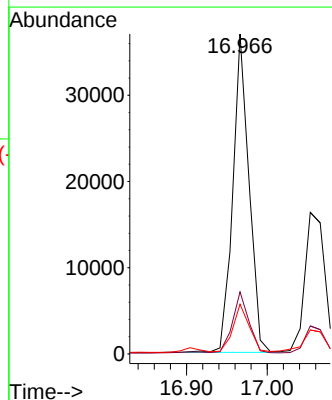
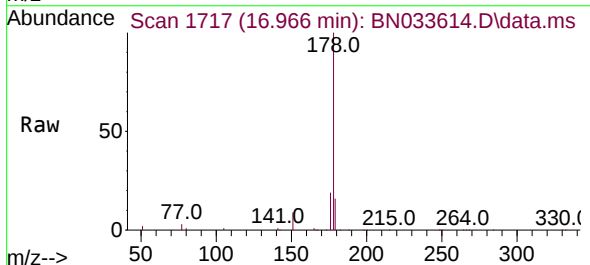
Manual Integrations
APPROVED

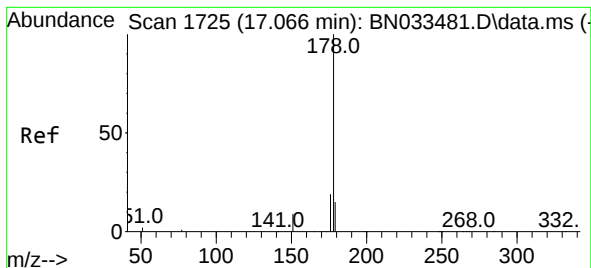
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 0.918 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

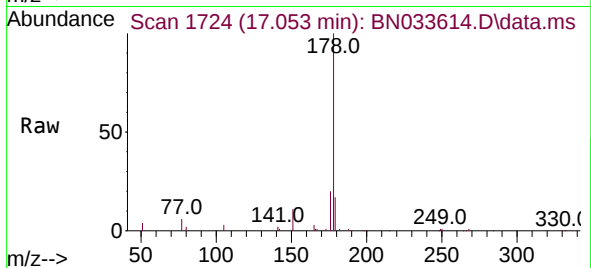
Tgt Ion:178 Resp: 51268
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 14.8 12.3 18.5





#26
 Anthracene
 Concen: 0.563 ng
 RT: 17.053 min Scan# 1725
 Delta R.T. -0.013 min
 Lab File: BN033614.D
 Acq: 24 Aug 2024 06:33

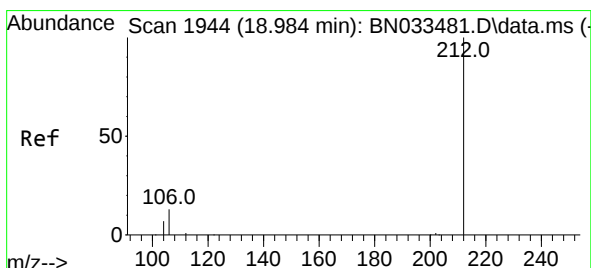
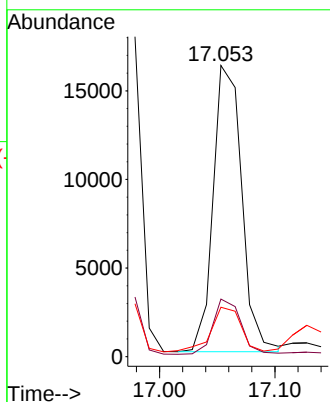
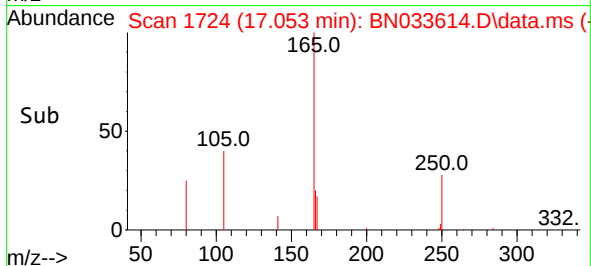
Instrument :
 BNA_N
 ClientSampleId :
 S-930-K1-SO-0-0.5-082024



Tgt Ion:178 Resp: 27828
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 16.4 12.4 18.6

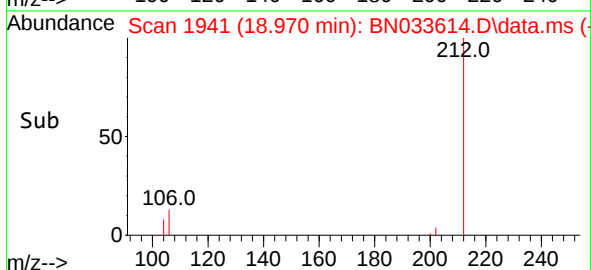
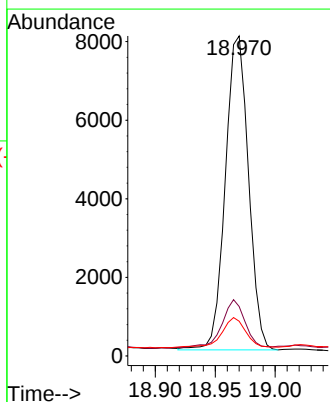
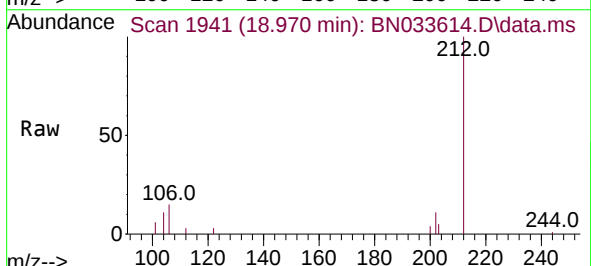
Manual Integrations
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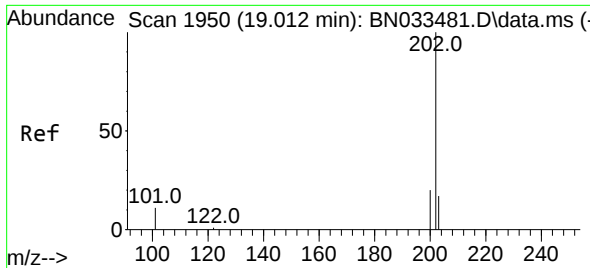
Reviewed By :Jagrut Upadhyay 08/26/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.223 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033614.D
 Acq: 24 Aug 2024 06:33

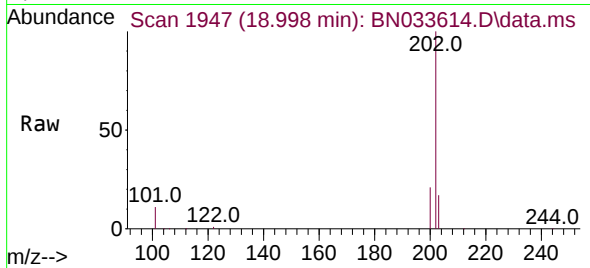
Tgt Ion:212 Resp: 10762
 Ion Ratio Lower Upper
 212 100
 106 15.8 12.3 18.5
 104 10.0 7.0 10.4





#28
Fluoranthene
Concen: 4.509 ng
RT: 18.998 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

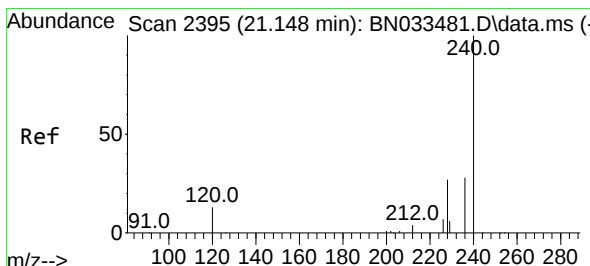
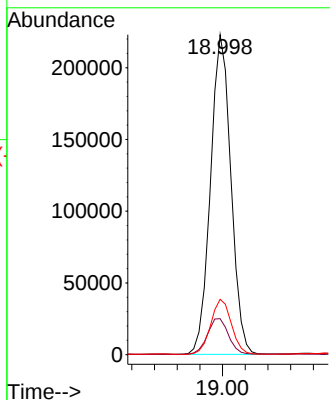
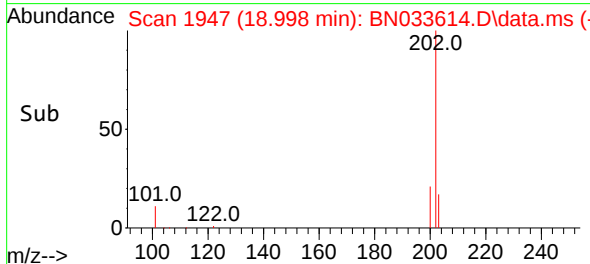
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



Tgt Ion:202 Resp: 27823
Ion Ratio Lower Upper
202 100
101 11.5 9.5 14.3
203 17.4 13.8 20.6

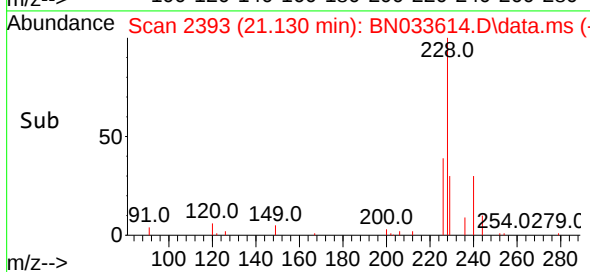
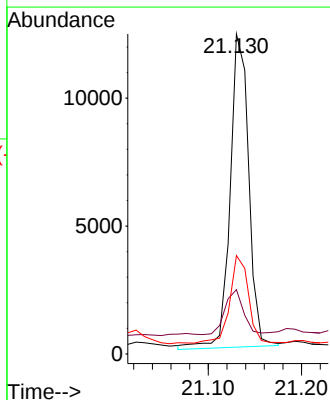
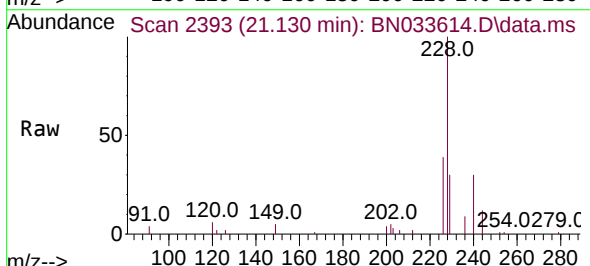
Manual Integrations
APPROVED

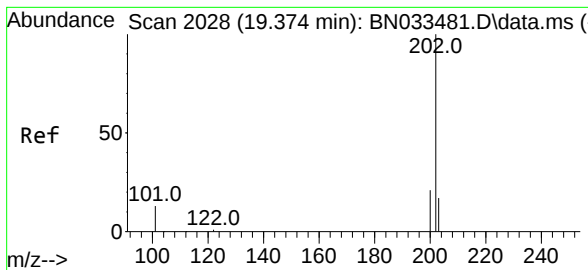
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.130 min Scan# 2393
Delta R.T. -0.009 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

Tgt Ion:240 Resp: 17038
Ion Ratio Lower Upper
240 100
120 20.1 12.4 18.6#
236 30.7 23.0 34.6





#30

Pyrene

Concen: 3.124 ng

RT: 19.360 min Scan# 2028

Delta R.T. -0.005 min

Lab File: BN033614.D

Acq: 24 Aug 2024 06:33

Instrument :

BNA_N

ClientSampleId :

S-930-K1-SO-0-0.5-082024

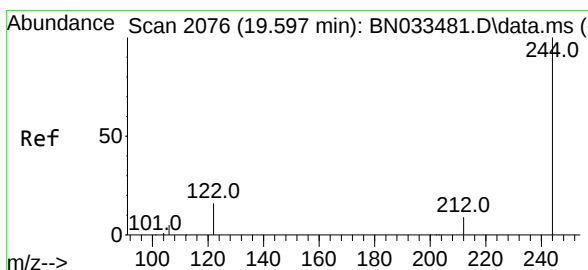
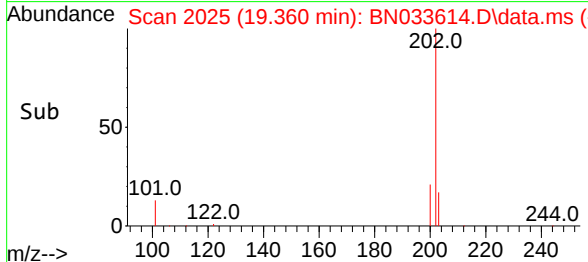
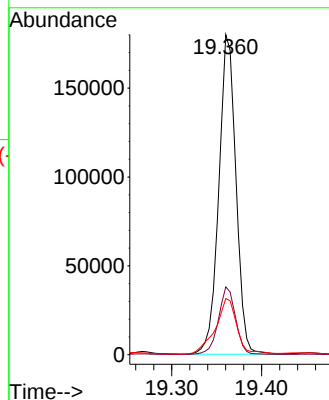
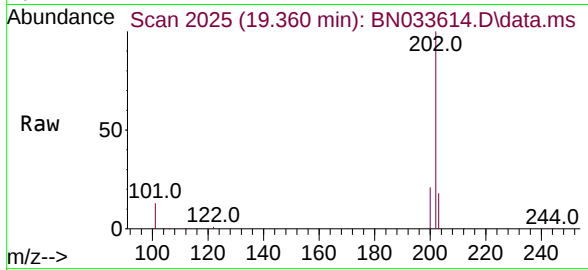
Tgt Ion:202 Resp: 237540

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	24.8
203	21.6	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#31

Terphenyl-d14

Concen: 0.195 ng

RT: 19.583 min Scan# 2073

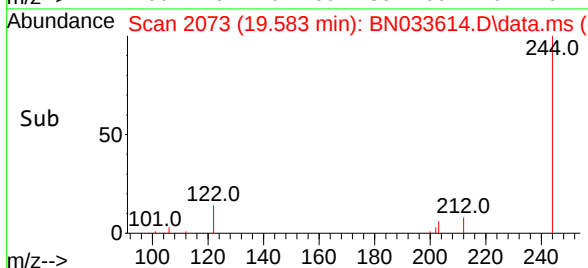
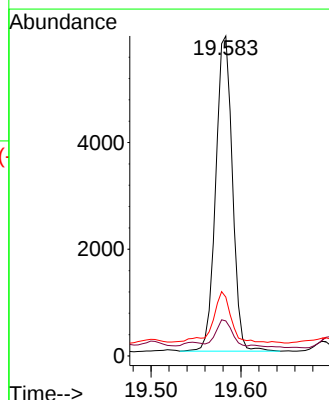
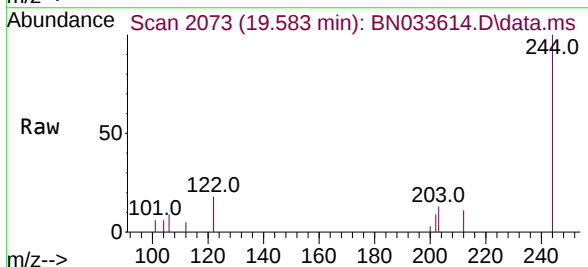
Delta R.T. -0.000 min

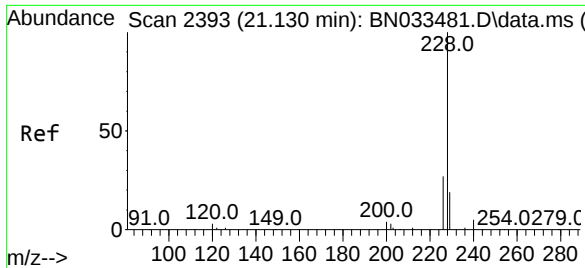
Lab File: BN033614.D

Acq: 24 Aug 2024 06:33

Tgt Ion:244 Resp: 7562

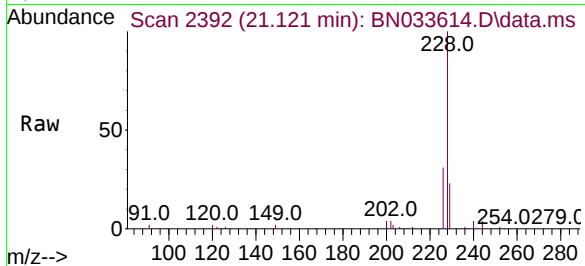
Ion	Ratio	Lower	Upper
244	100		
212	11.0	7.8	11.6
122	18.4	13.3	19.9





#32
Benzo(a)anthracene
Concen: 2.728 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

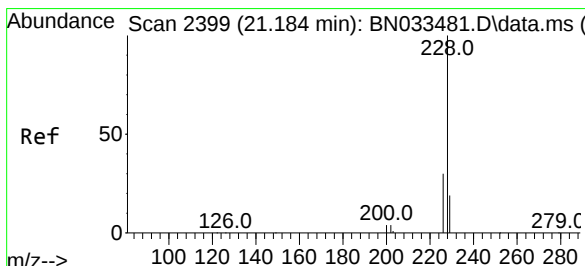
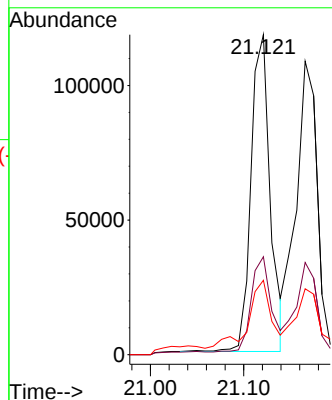
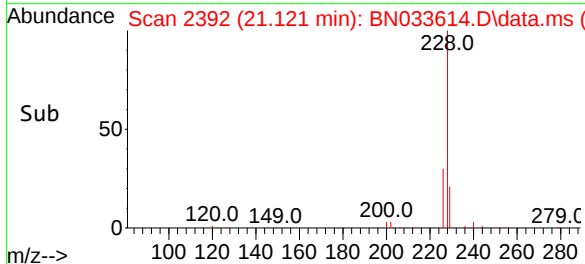
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



Tgt Ion:228 Resp: 168051
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.6
229 23.3 15.8 23.6

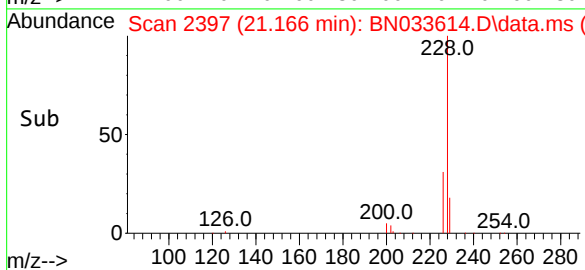
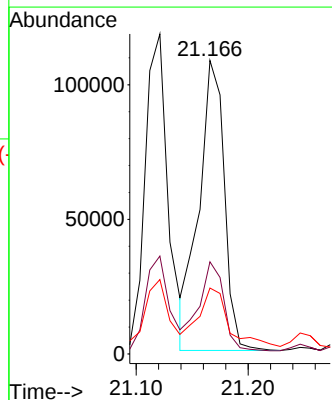
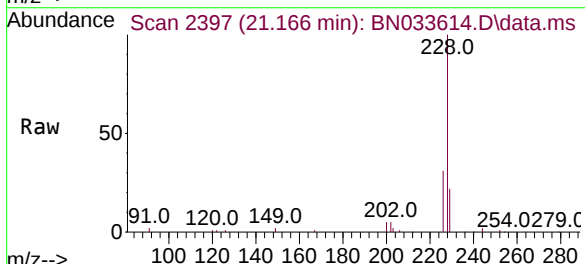
Manual Integrations
APPROVED

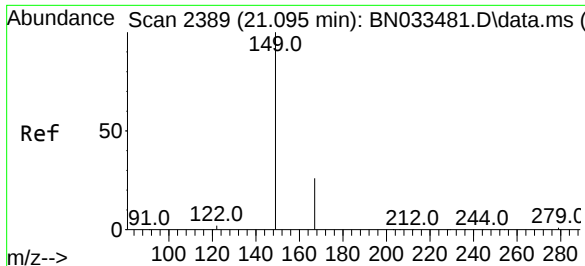
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 2.774 ng
RT: 21.166 min Scan# 2397
Delta R.T. -0.009 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

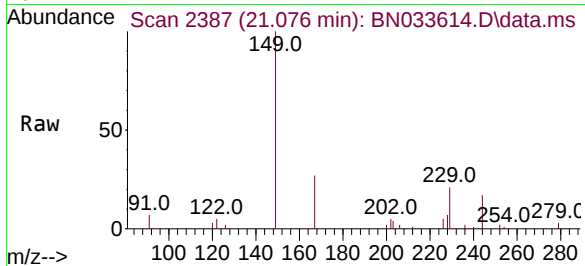
Tgt Ion:228 Resp: 169823
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.8
229 22.5 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.714 ng m
RT: 21.076 min Scan# 2107
Delta R.T. -0.009 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

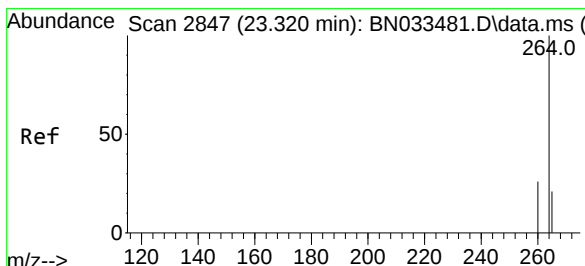
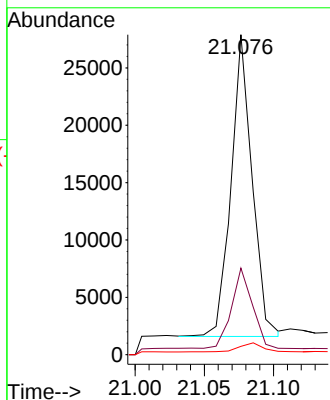
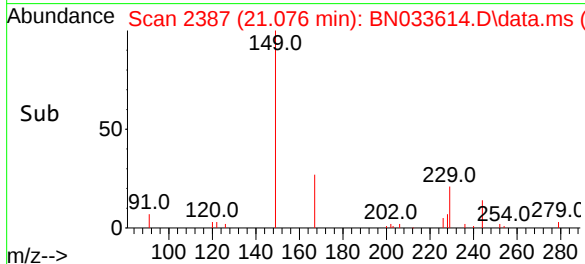
Instrument : BNA_N
ClientSampleId : S-930-K1-SO-0-0.5-082024



Tgt Ion:149 Resp: 2783
Ion Ratio Lower Upper
149 100
167 40.6 21.5 32.3
279 4.2 2.2 3.2

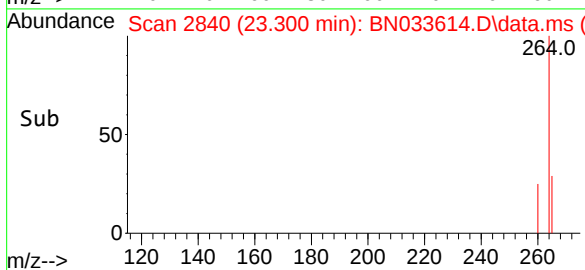
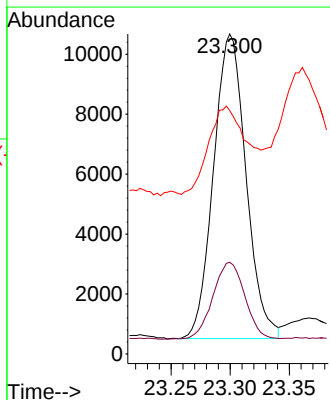
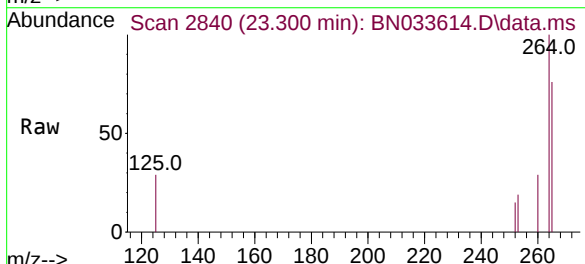
Manual Integrations
APPROVED

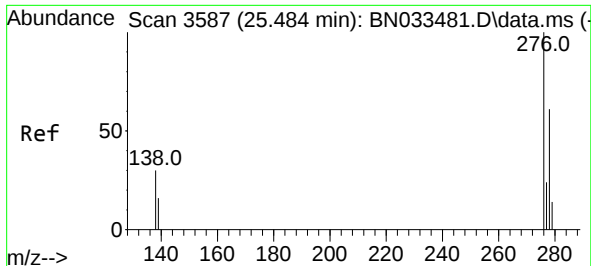
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 2840
Delta R.T. -0.003 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

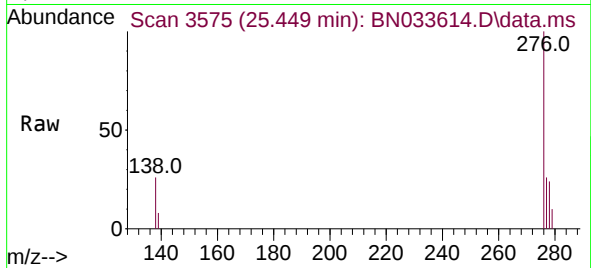
Tgt Ion:264 Resp: 19418
Ion Ratio Lower Upper
264 100
260 28.6 20.8 31.2
265 76.0 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.095 ng
RT: 25.449 min Scan# 3587
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

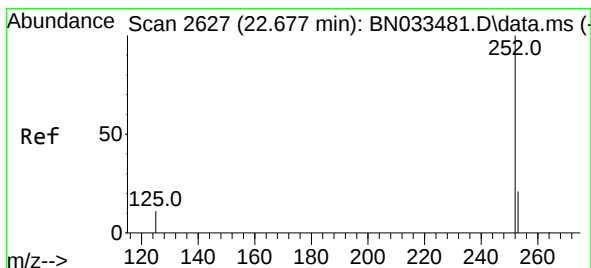
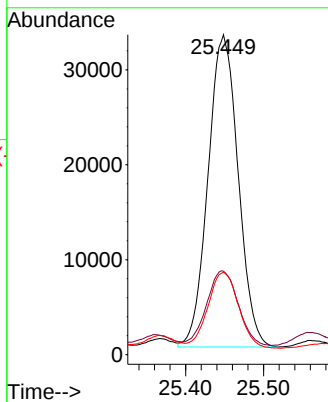
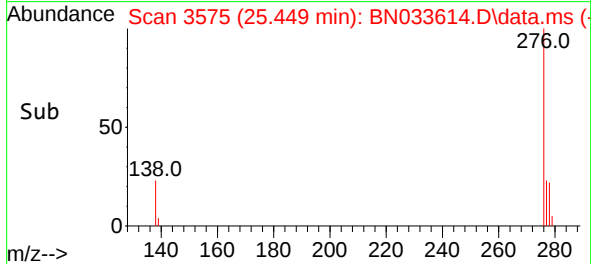
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



Tgt Ion:276 Resp: 88294
Ion Ratio Lower Upper
276 100
138 24.8 24.4 36.6
277 24.8 19.8 29.6

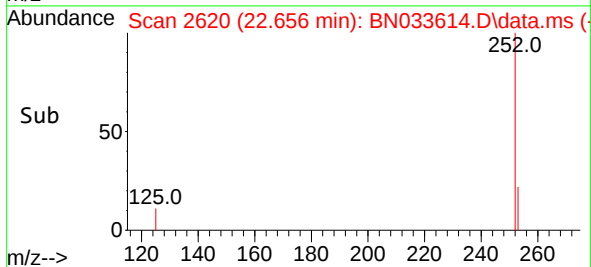
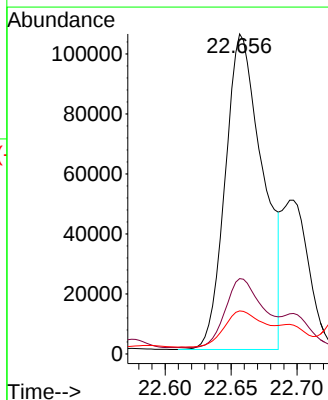
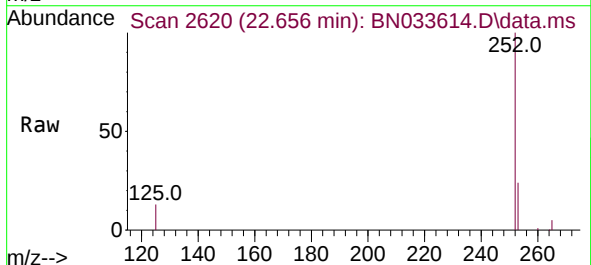
Manual Integrations
APPROVED

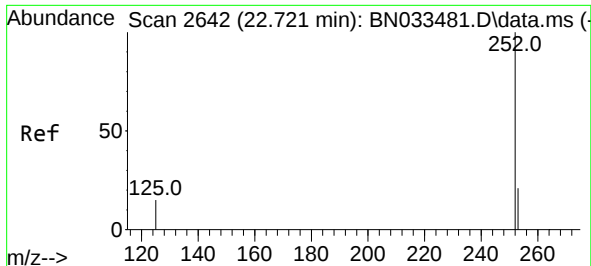
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#37
Benzo(b)fluoranthene
Concen: 2.872 ng
RT: 22.656 min Scan# 2620
Delta R.T. -0.003 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

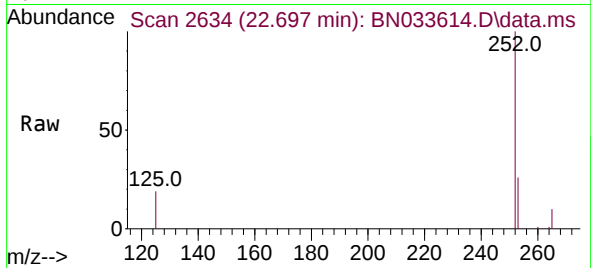
Tgt Ion:252 Resp: 208266
Ion Ratio Lower Upper
252 100
253 23.6 19.8 29.8
125 13.4 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 1.009 ng m
RT: 22.697 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

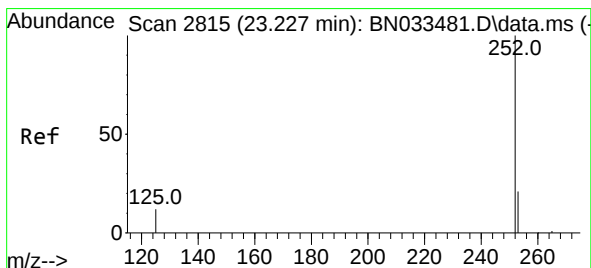
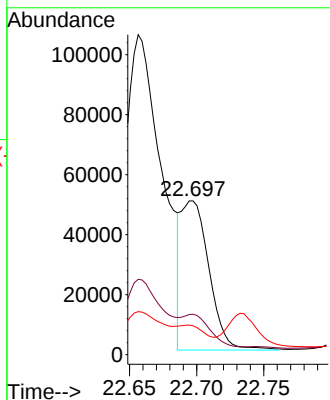
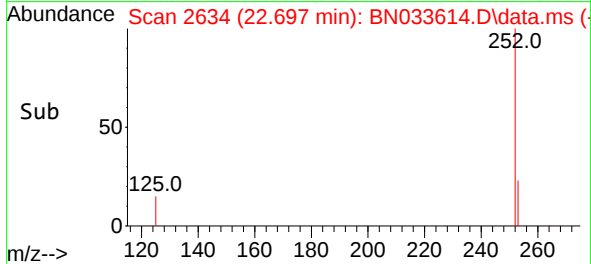
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



Tgt Ion:252 Resp: 72008
Ion Ratio Lower Upper
252 100
253 26.3 19.8 29.8
125 18.7 15.8 23.8

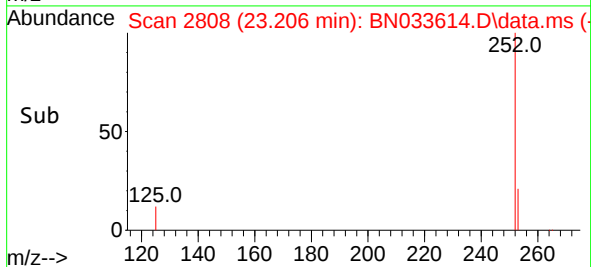
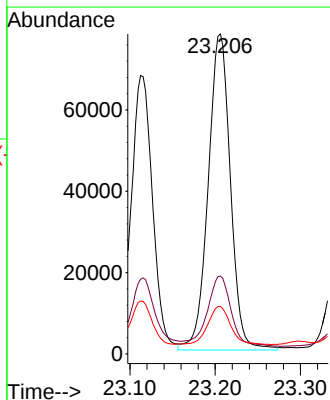
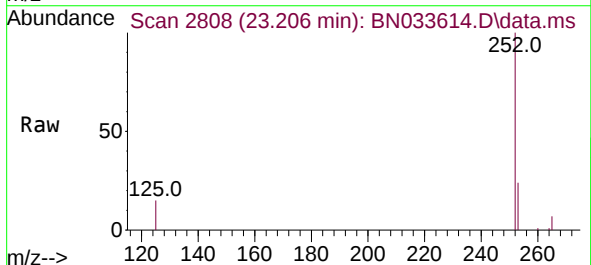
Manual Integrations
APPROVED

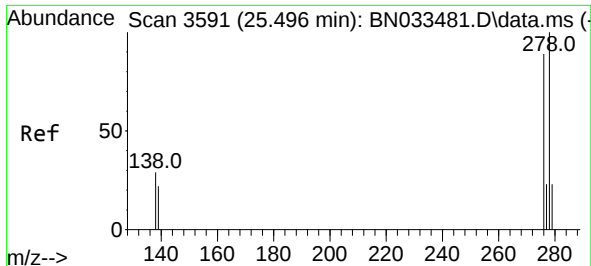
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#39
Benzo(a)pyrene
Concen: 2.349 ng m
RT: 23.206 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

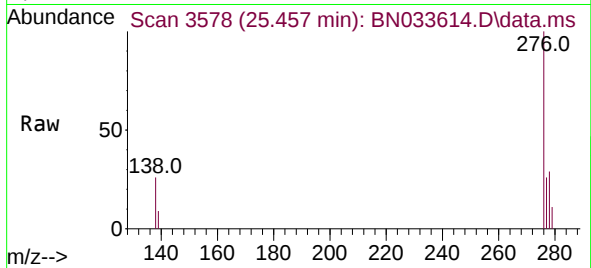
Tgt Ion:252 Resp: 140968
Ion Ratio Lower Upper
252 100
253 24.3 21.5 32.3
125 14.8 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.393 ng
RT: 25.457 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

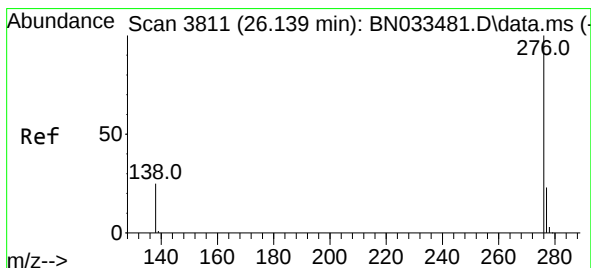
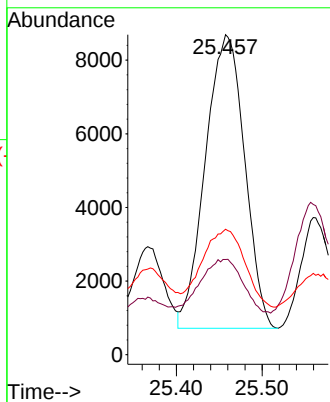
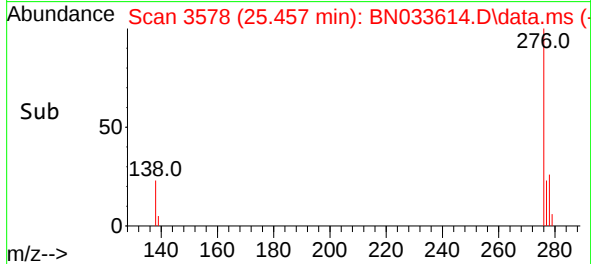
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0-0.5-082024



Tgt Ion:278 Resp: 2535
Ion Ratio Lower Upper
278 100
139 29.7 19.1 28.7
279 39.2 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#41
Benzo(g,h,i)perylene
Concen: 1.277 ng
RT: 26.103 min Scan# 3799
Delta R.T. -0.000 min
Lab File: BN033614.D
Acq: 24 Aug 2024 06:33

Tgt Ion:276 Resp: 88037
Ion Ratio Lower Upper
276 100
277 25.3 19.7 29.5
138 26.3 21.8 32.6

