

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033607.D
 Acq On : 24 Aug 2024 02:20
 Operator : MA/JU
 Sample : P3707-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-913-K1-SO-0-0.5-082024

Quant Time: Aug 24 02:49:23 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 :Yogesh Patel 08/24/2024
 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	7618	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20122	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9865	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19378	0.400	ng	0.00
29) Chrysene-d12	21.139	240	16436	0.400	ng	0.00
35) Perylene-d12	23.300	264	17832	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4903	0.203	ng	0.00
5) Phenol-d6	6.736	99	5829	0.202	ng	0.00
8) Nitrobenzene-d5	8.681	82	4243	0.254	ng	0.00
11) 2-Methylnaphthalene-d10	11.899	152	6947	0.241	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1247	0.235	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	9724	0.241	ng	0.00
27) Fluoranthene-d10	18.970	212	10849	0.233	ng	0.00
31) Terphenyl-d14	19.583	244	7618	0.204	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	1432	0.027	ng	# 79
12) 2-Methylnaphthalene	11.975	142	1064	0.031	ng	# 84
16) Acenaphthylene	13.900	152	3892	0.090	ng	98
17) Acenaphthene	14.242	154	1968	0.065	ng	97
18) Fluorene	15.236	166	2913	0.076	ng	96
25) Phenanthrene	16.967	178	76489	1.419	ng	99
26) Anthracene	17.066	178	13097	0.275	ng	# 95
28) Fluoranthene	19.003	202	220191	3.696	ng	100
30) Pyrene	19.365	202	186180	2.538	ng	# 95
32) Benzo(a)anthracene	21.121	228	92191	1.551	ng	96
33) Chrysene	21.175	228	109977	1.862	ng	97
34) Bis(2-ethylhexyl)phtha...	21.077	149	40339m	1.072	ng	
36) Indeno(1,2,3-cd)pyrene	25.449	276	83896	1.133	ng	# 93
37) Benzo(b)fluoranthene	22.660	252	163578	2.456	ng	# 95
38) Benzo(k)fluoranthene	22.698	252	60778m	0.927	ng	
39) Benzo(a)pyrene	23.206	252	104117m	1.890	ng	
40) Dibenzo(a,h)anthracene	25.458	278	18784	0.317	ng	# 88
41) Benzo(g,h,i)perylene	26.107	276	83773	1.323	ng	98

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

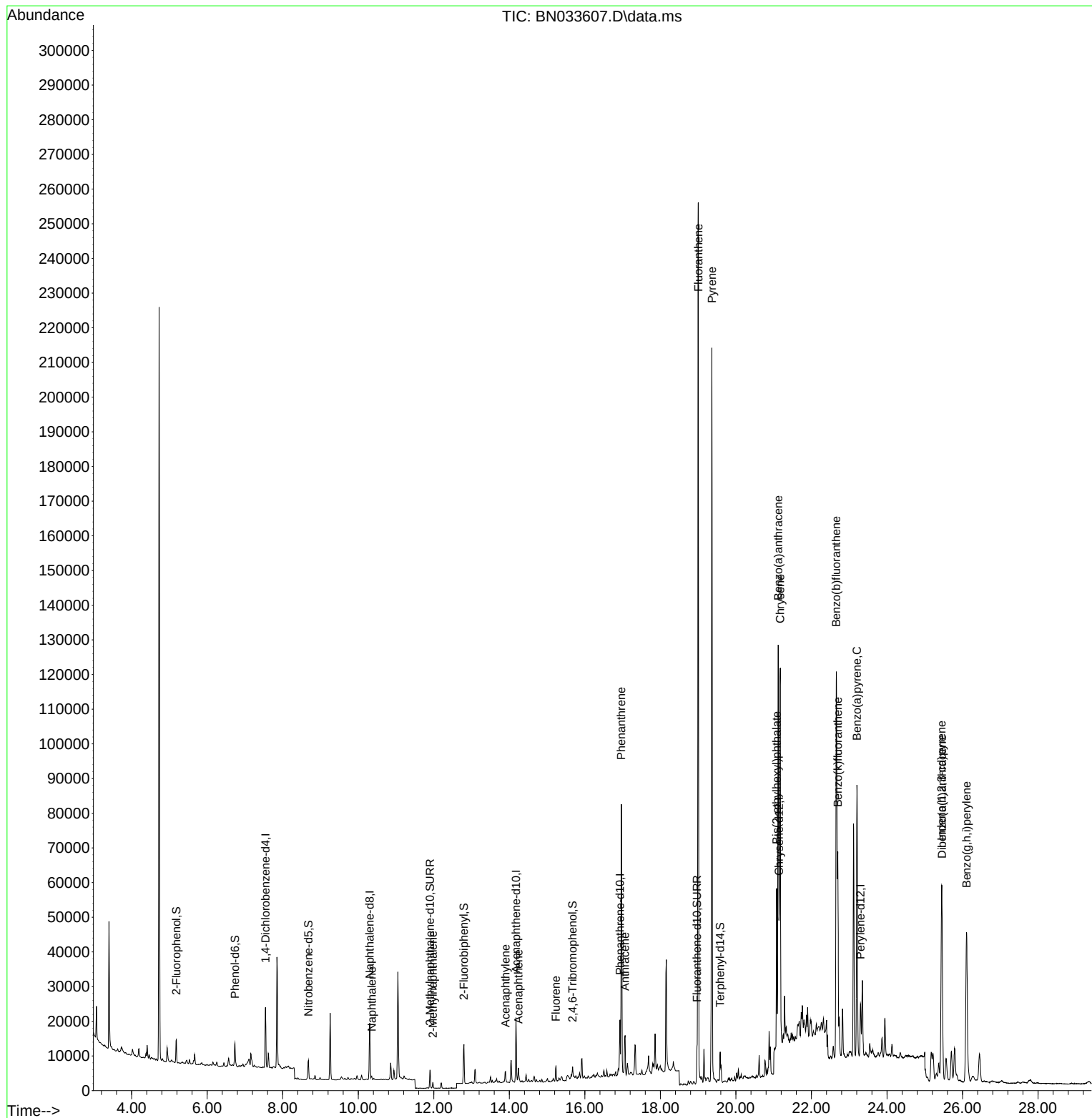
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033607.D
Acq On : 24 Aug 2024 02:20
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ALS Vial : 26 Sample Multiplier: 1

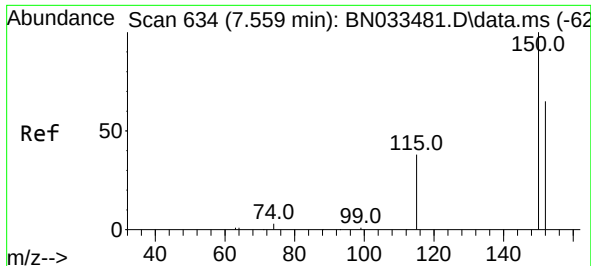
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024

Quant Time: Aug 24 02:49:23 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
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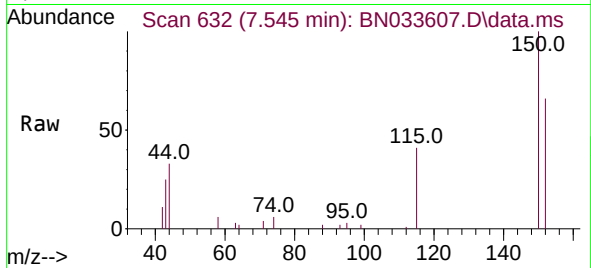
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

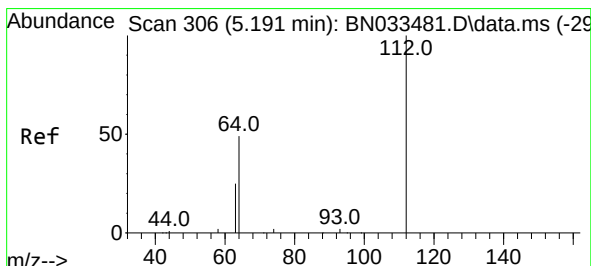
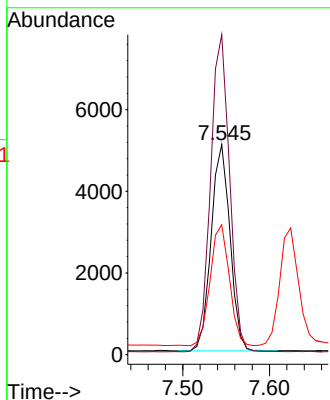
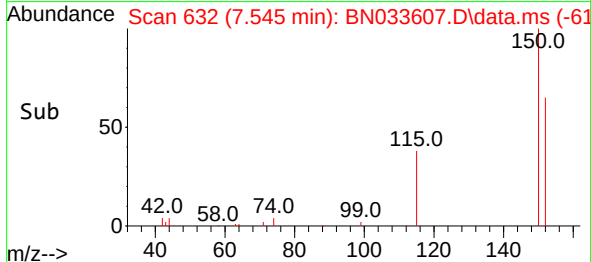
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion:152 Resp: 7618
Ion Ratio Lower Upper
152 100
150 152.4 122.2 183.2
115 61.9 47.2 70.8

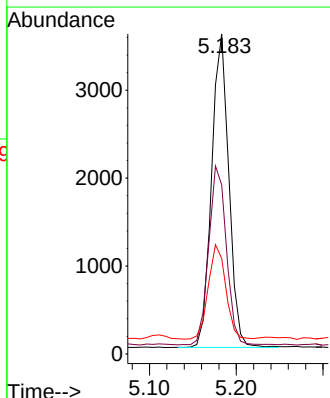
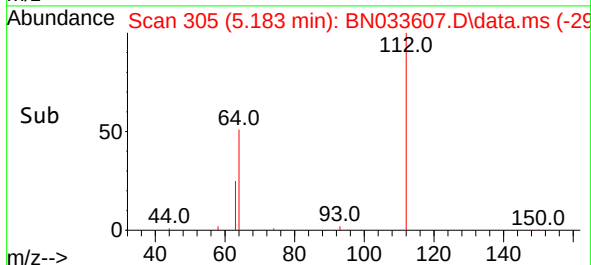
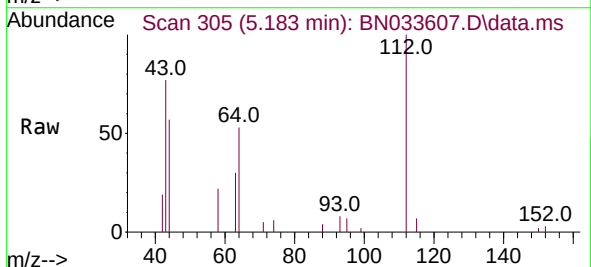
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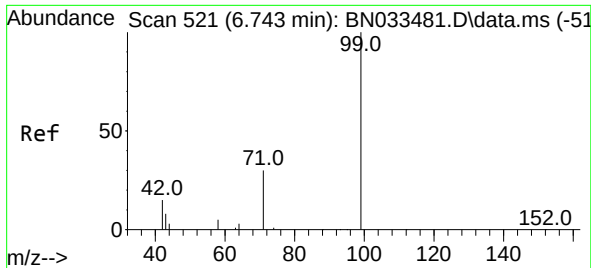
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.203 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

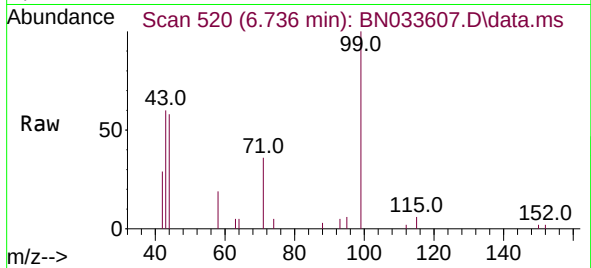
Tgt Ion:112 Resp: 4903
Ion Ratio Lower Upper
112 100
64 58.6 47.1 70.7
63 30.4 24.9 37.3





#5
Phenol-d6
Concen: 0.202 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

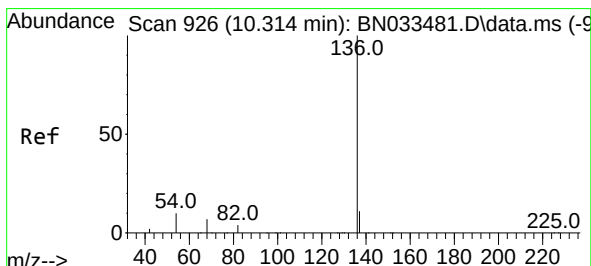
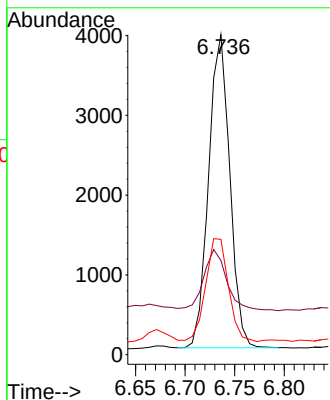
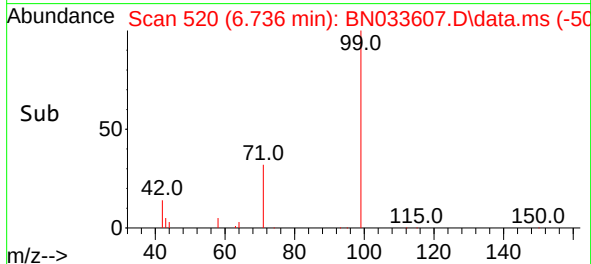
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion: 99 Resp: 5829
Ion Ratio Lower Upper
99 100
42 21.4 16.6 24.8
71 35.3 26.2 39.4

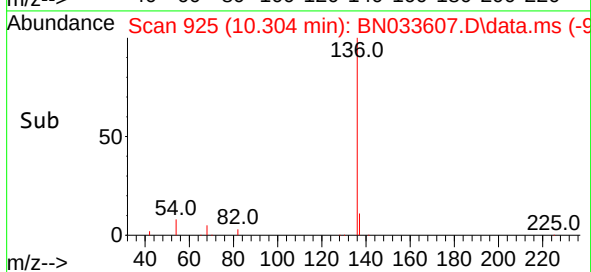
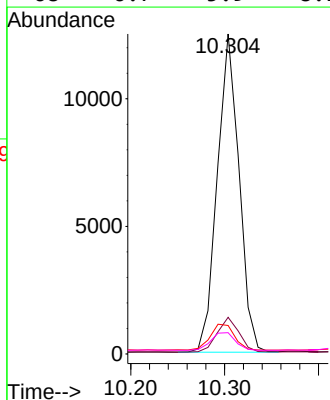
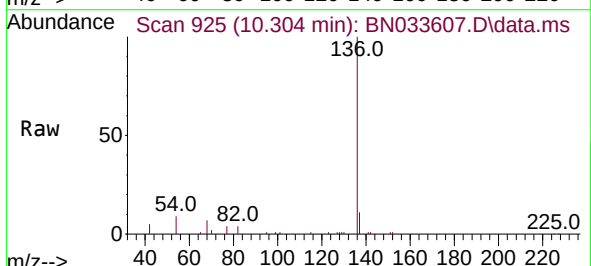
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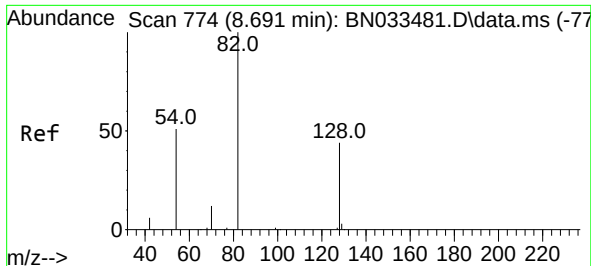
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

Tgt Ion:136 Resp: 20122
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 8.9 8.3 12.5
68 6.7 5.9 8.9





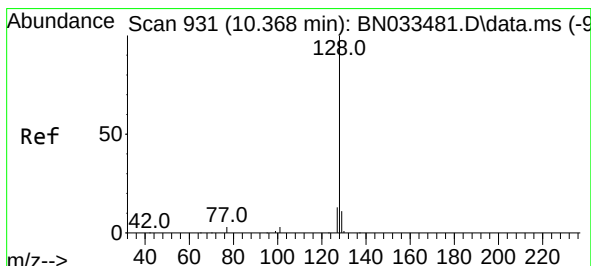
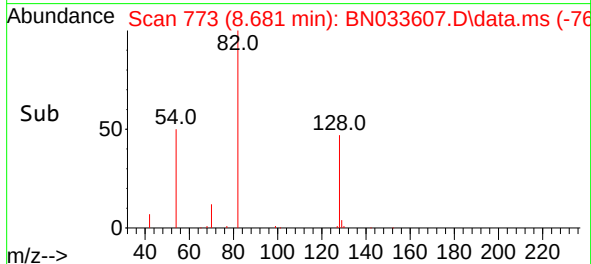
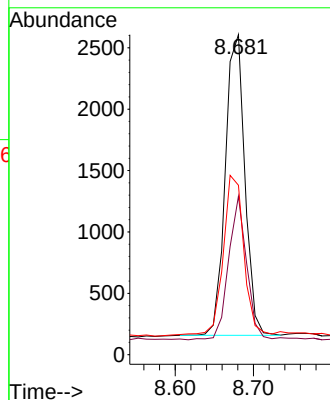
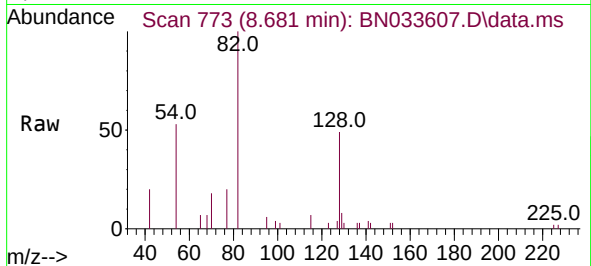
#8
Nitrobenzene-d5
Concen: 0.254 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024

Tgt Ion: 82 Resp: 424
Ion Ratio Lower Upper
82 100
128 49.5 36.0 54.0
54 53.0 42.0 63.0

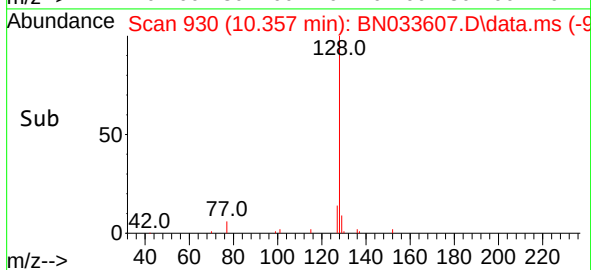
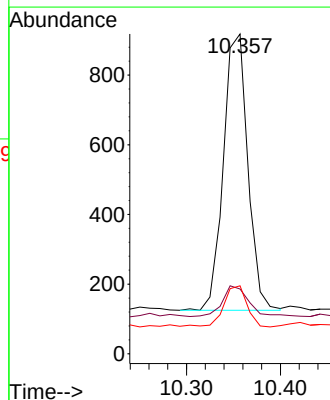
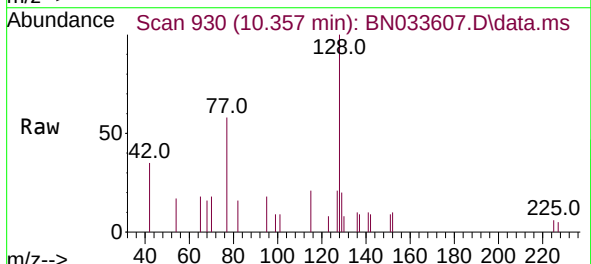
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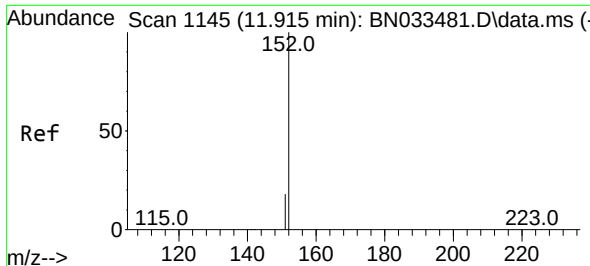
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.027 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

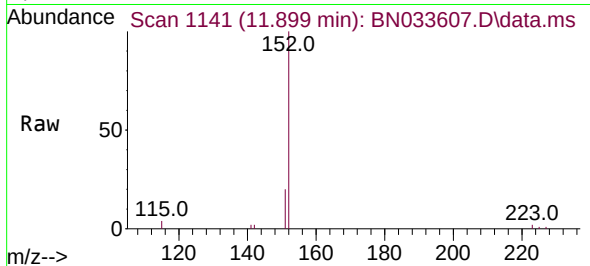
Tgt Ion:128 Resp: 1432
Ion Ratio Lower Upper
128 100
129 20.3 9.1 13.7#
127 21.2 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.241 ng
RT: 11.899 min Scan# 1145
Delta R.T. -0.004 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

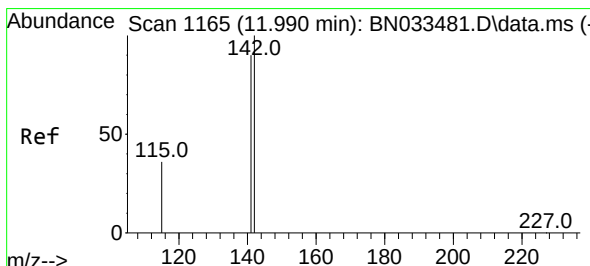
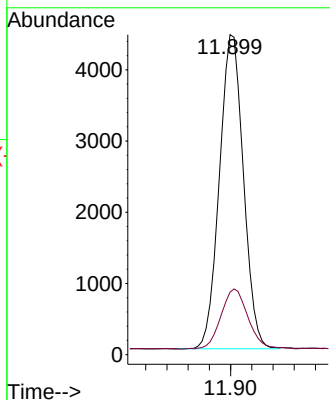
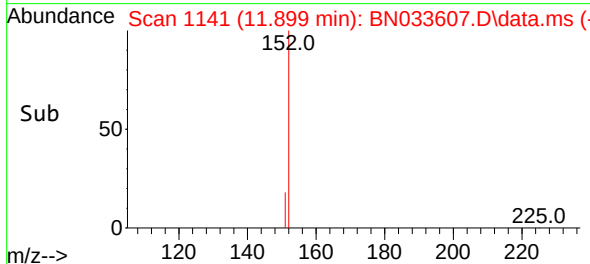
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



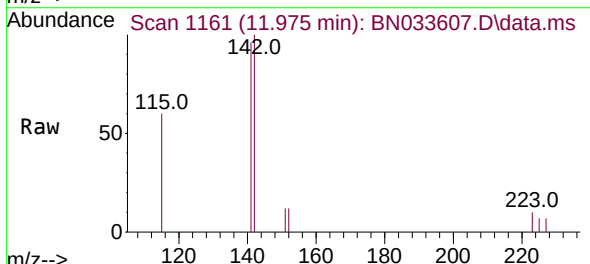
Tgt Ion:152 Resp: 694
Ion Ratio Lower Upper
152 100
151 21.6 16.6 25.0

Manual Integrations
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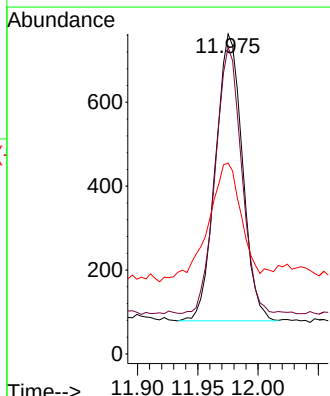
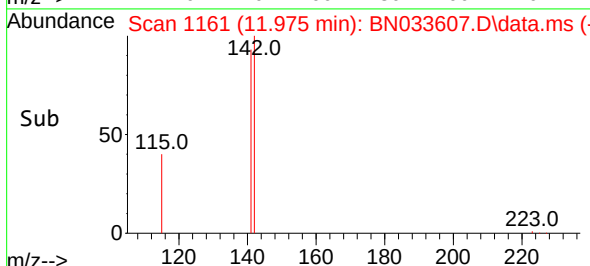
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

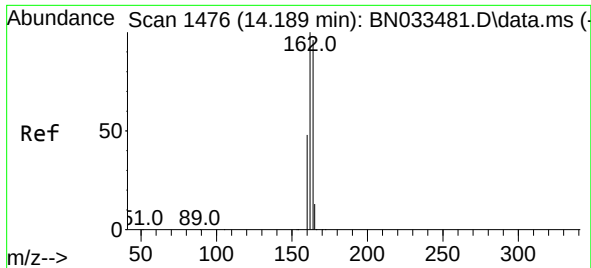


#12
2-Methylnaphthalene
Concen: 0.031 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20



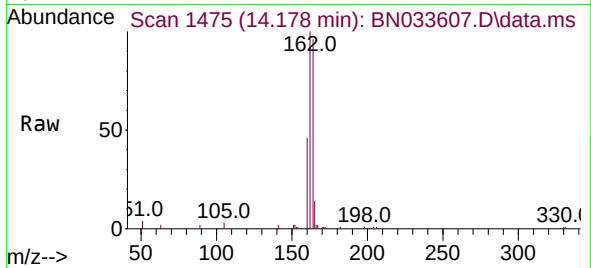
Tgt Ion:142 Resp: 1064
Ion Ratio Lower Upper
142 100
141 95.9 71.7 107.5
115 59.6 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

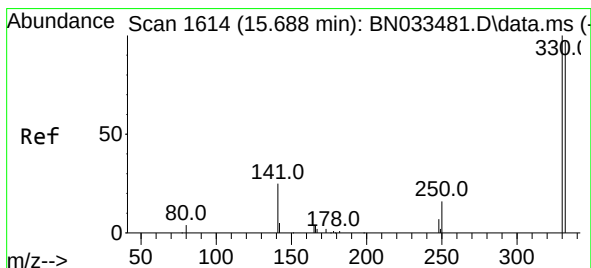
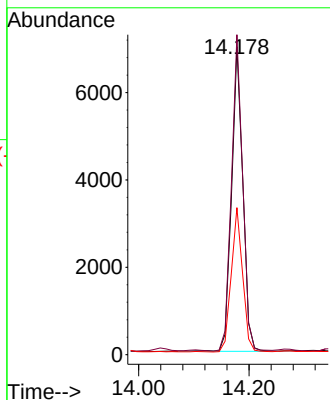
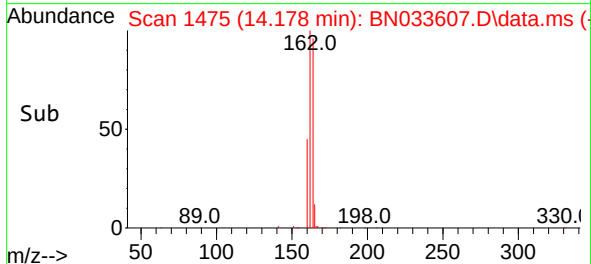
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



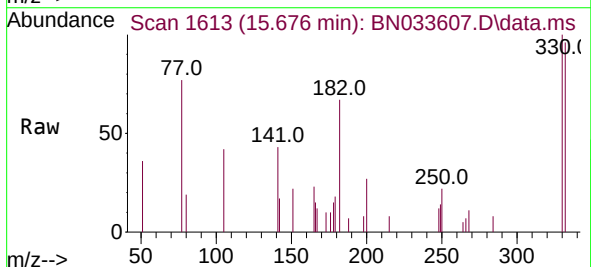
Tgt Ion:164 Resp: 986
Ion Ratio Lower Upper
164 100
162 103.9 83.5 125.3
160 47.8 40.2 60.4

Manual Integrations
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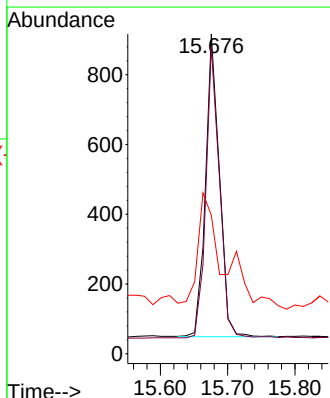
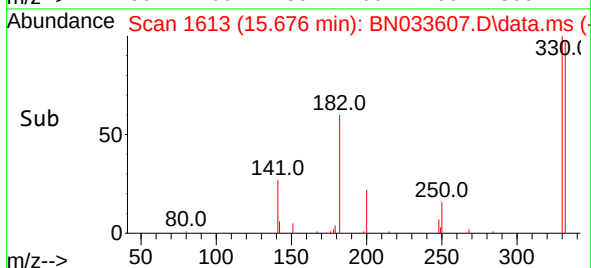
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

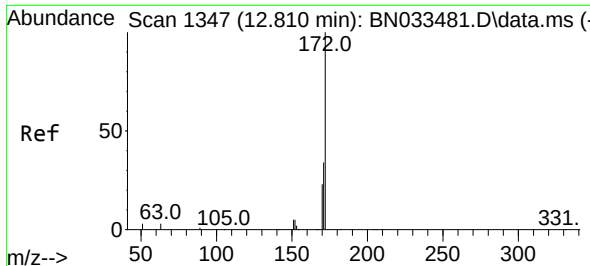


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20



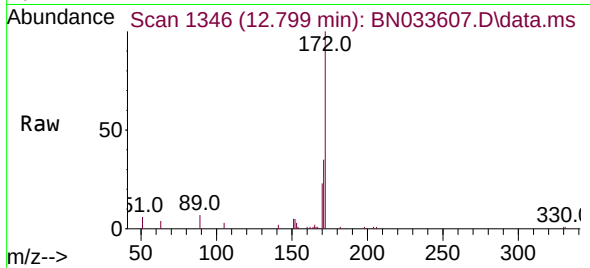
Tgt Ion:330 Resp: 1247
Ion Ratio Lower Upper
330 100
332 94.4 77.5 116.3
141 66.6 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

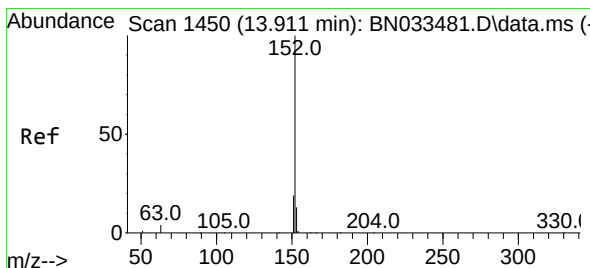
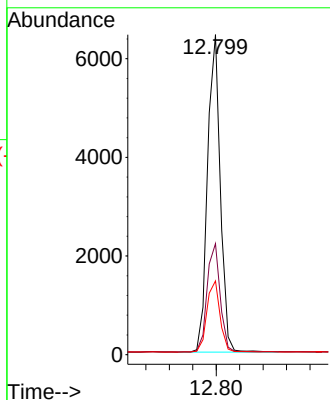
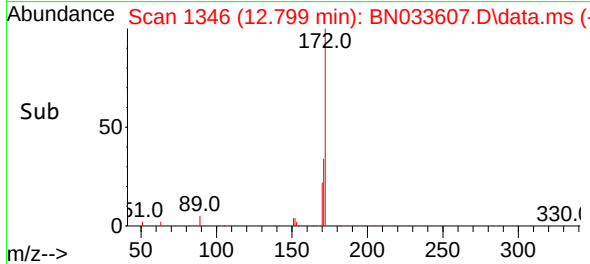
Instrument :
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S-913-K1-SO-0-0.5-082024



Tgt Ion:172 Resp: 9724
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 23.0 18.3 27.5

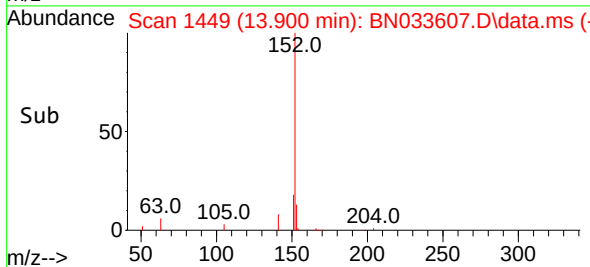
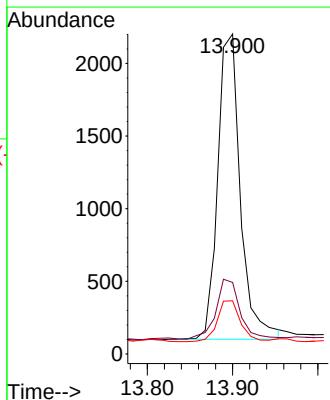
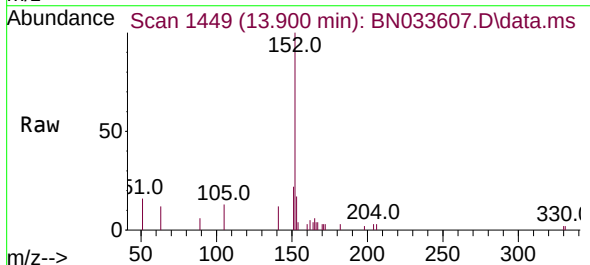
Manual Integrations
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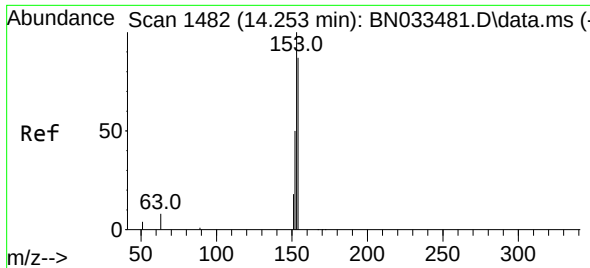
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.090 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

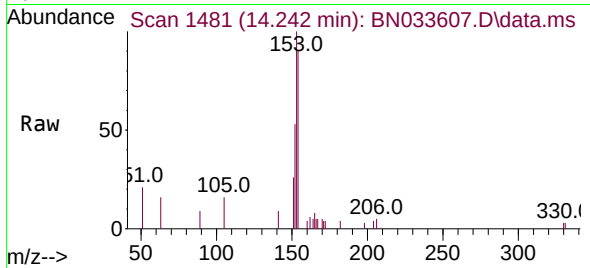
Tgt Ion:152 Resp: 3892
Ion Ratio Lower Upper
152 100
151 20.8 15.7 23.5
153 13.8 10.3 15.5





#17
Acenaphthene
Concen: 0.065 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

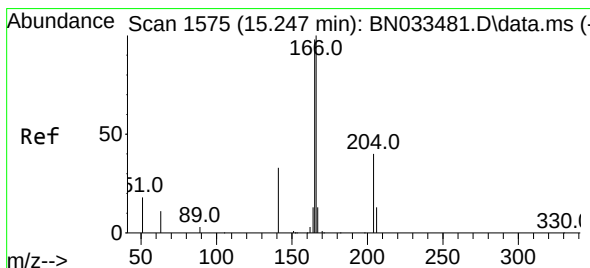
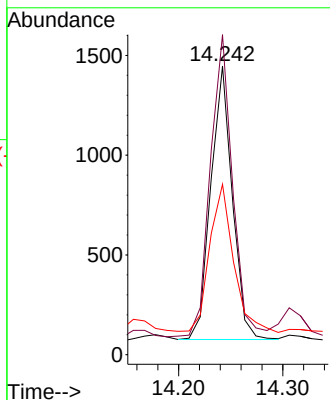
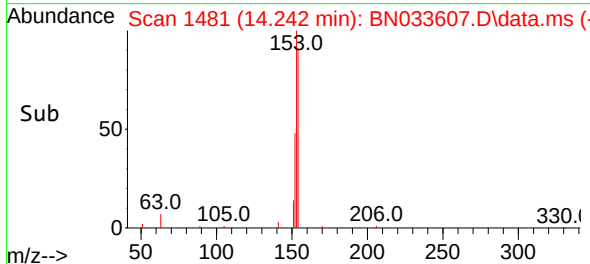
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



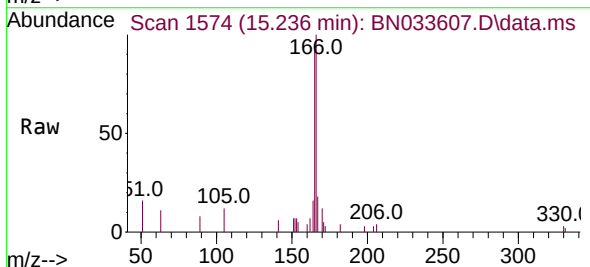
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Ion Ratio Lower Upper
154 100
153 113.7 89.0 133.6
152 60.3 45.2 67.8

Manual Integrations
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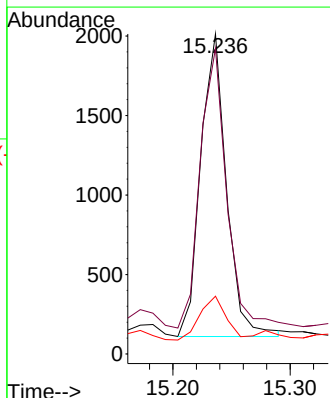
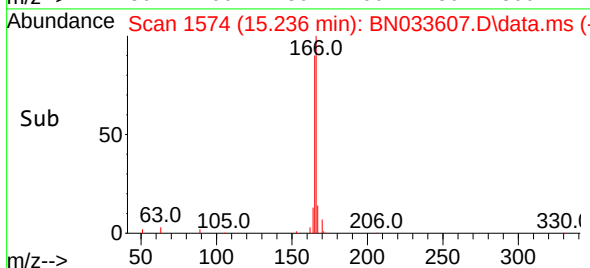
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

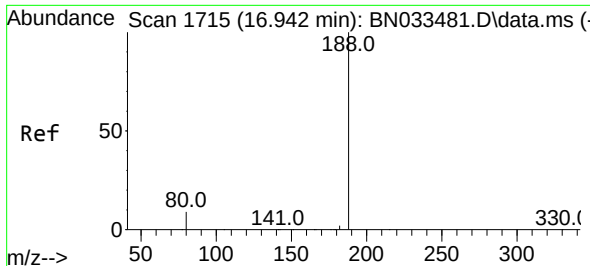


#18
Fluorene
Concen: 0.076 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20



Tgt Ion:166 Resp: 2913
Ion Ratio Lower Upper
166 100
165 94.4 78.2 117.4
167 15.2 10.6 16.0





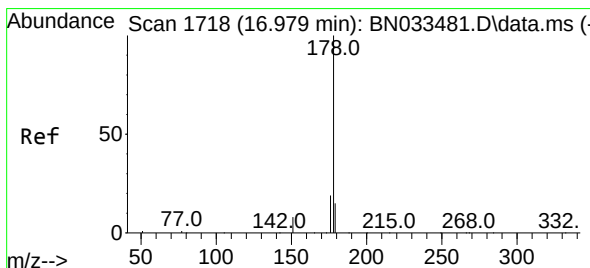
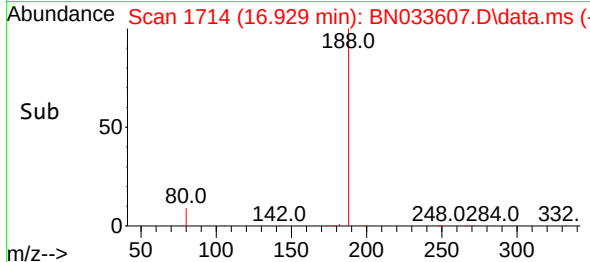
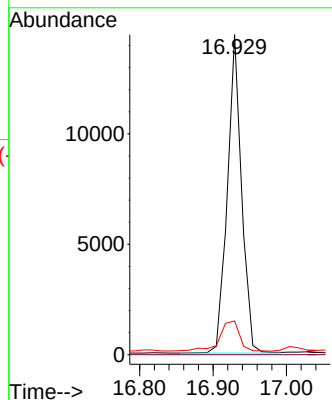
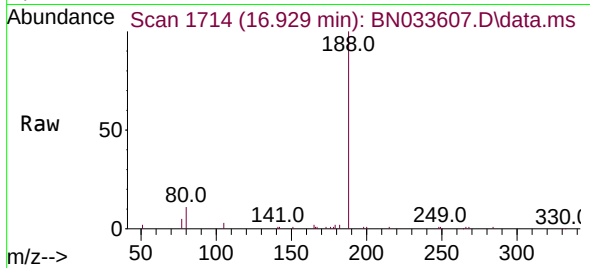
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024

Tgt Ion:188 Resp: 19378
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 7.8 11.8

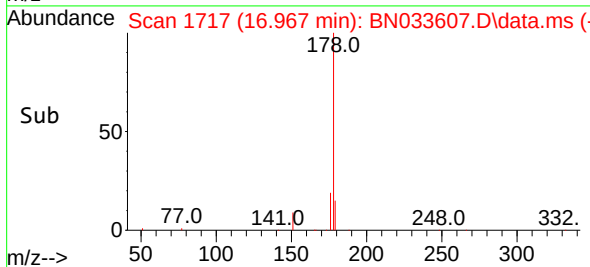
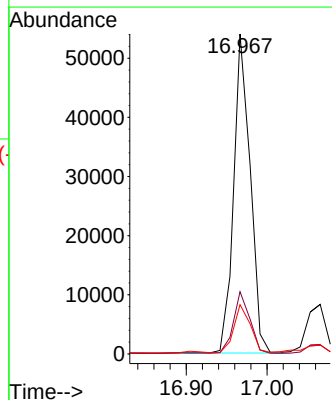
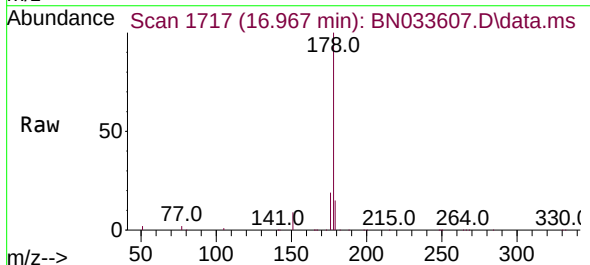
Manual Integrations
APPROVED

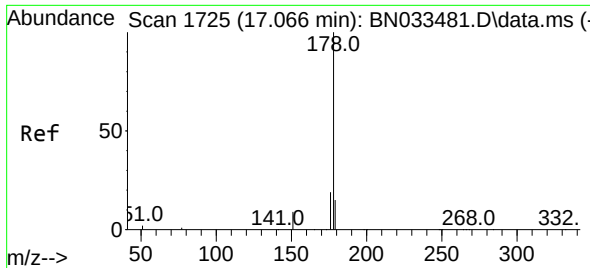
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 1.419 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

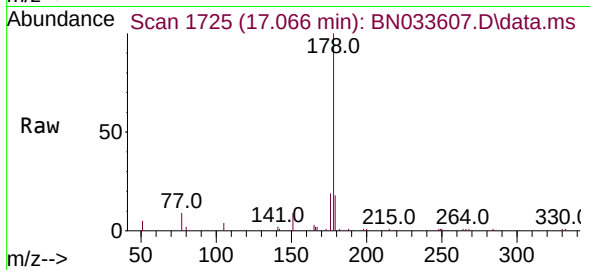
Tgt Ion:178 Resp: 76489
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.0 12.3 18.5





#26
 Anthracene
 Concen: 0.275 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033607.D
 Acq: 24 Aug 2024 02:20

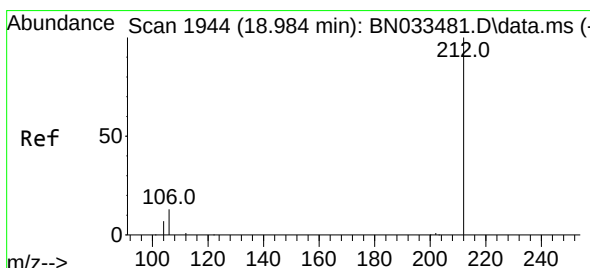
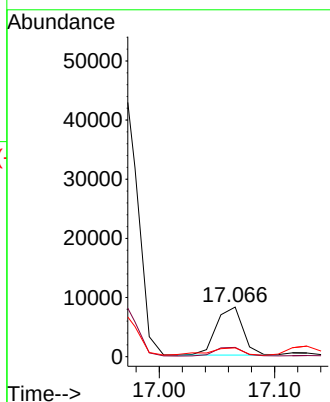
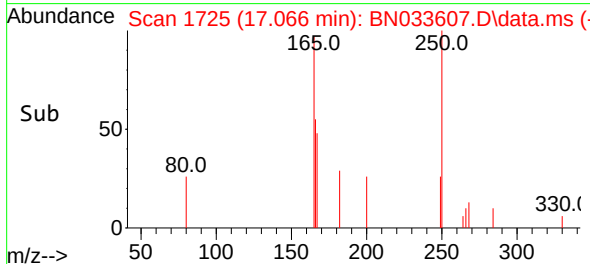
Instrument :
 BNA_N
 ClientSampleId :
 S-913-K1-SO-0-0.5-082024



Tgt Ion:178 Resp: 1309
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 20.2 12.4 18.6

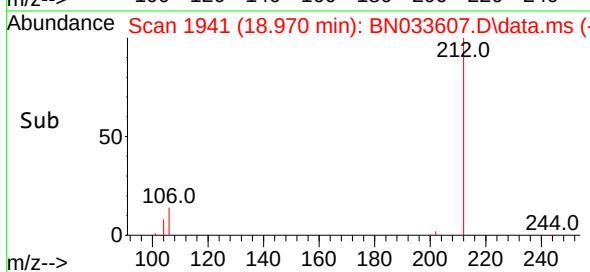
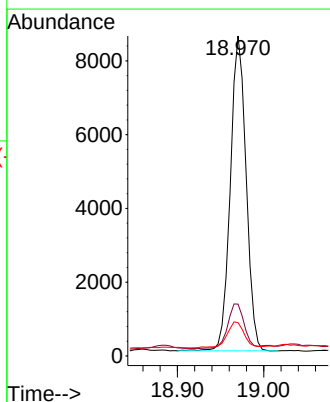
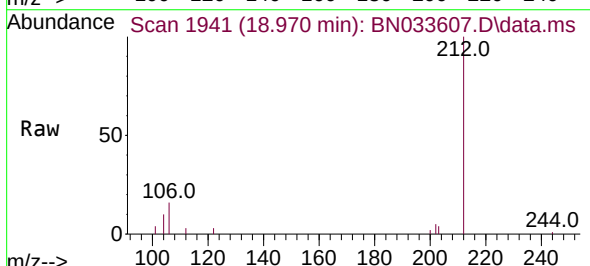
Manual Integrations
 APPROVED

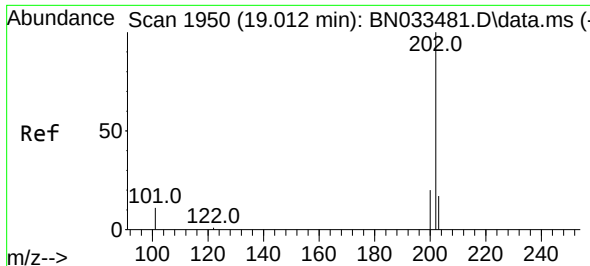
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.233 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033607.D
 Acq: 24 Aug 2024 02:20

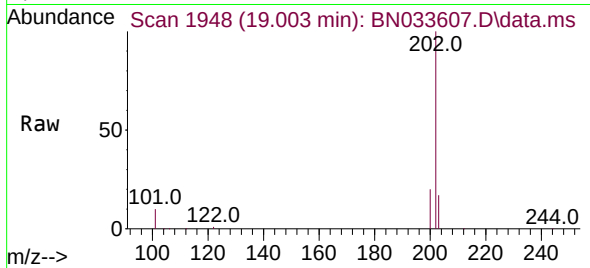
Tgt Ion:212 Resp: 10849
 Ion Ratio Lower Upper
 212 100
 106 14.9 12.3 18.5
 104 9.1 7.0 10.4





#28
Fluoranthene
Concen: 3.696 ng
RT: 19.003 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

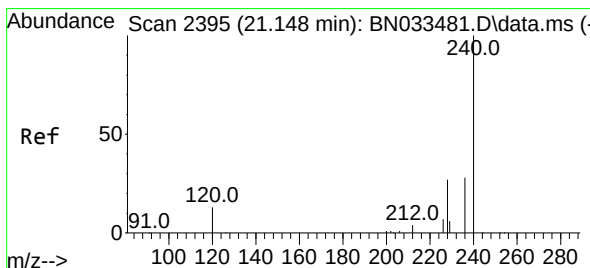
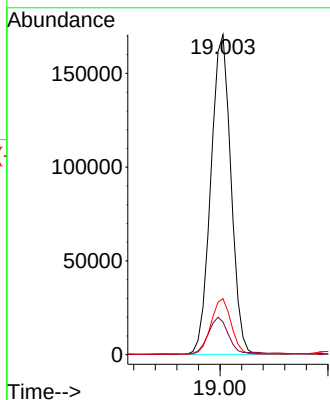
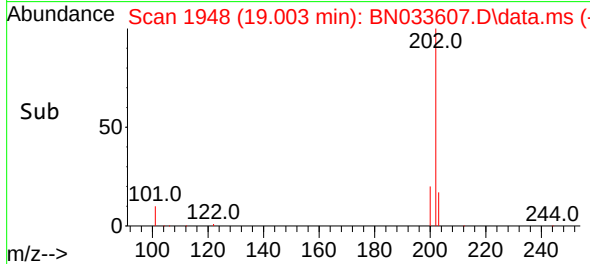
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion:202 Resp: 22019
Ion Ratio Lower Upper
202 100
101 12.1 9.5 14.3
203 17.3 13.8 20.6

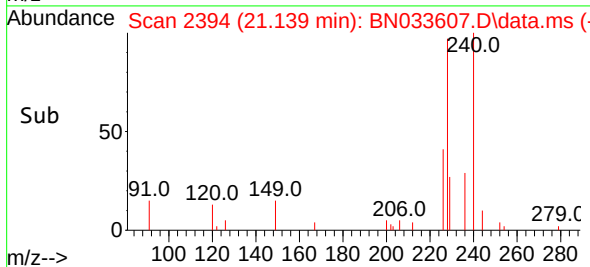
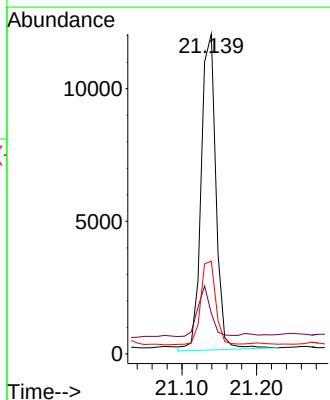
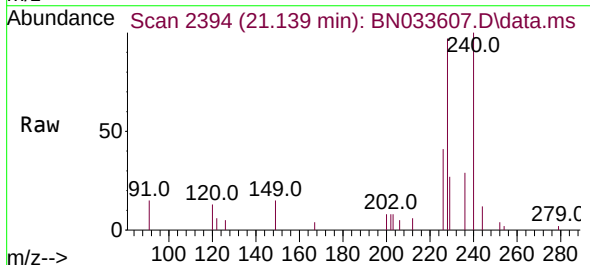
Manual Integrations
APPROVED

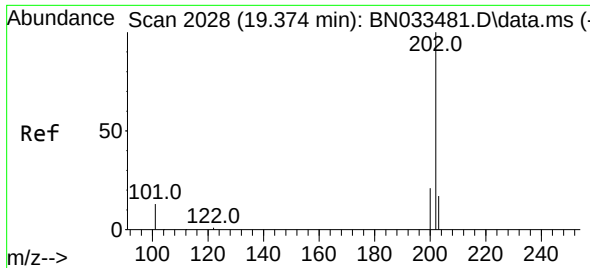
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

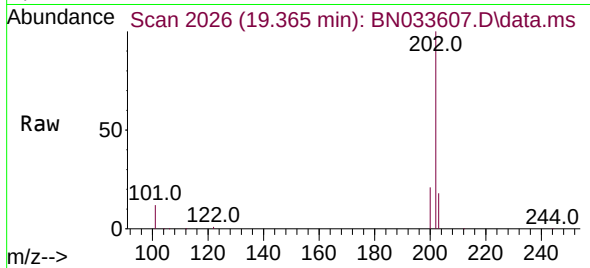
Tgt Ion:240 Resp: 16436
Ion Ratio Lower Upper
240 100
120 12.7 12.4 18.6
236 29.0 23.0 34.6





#30
Pyrene
Concen: 2.538 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

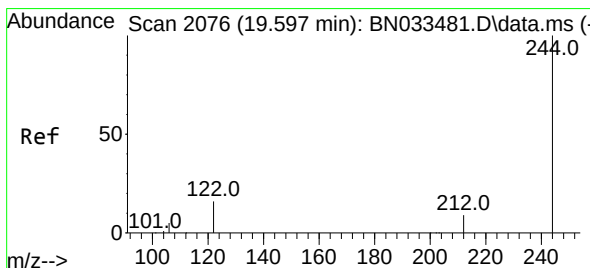
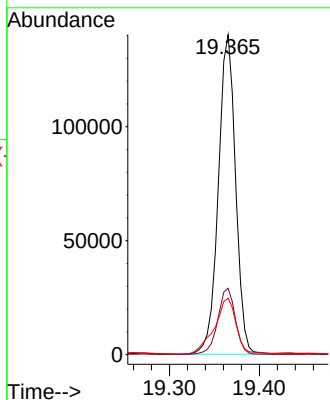
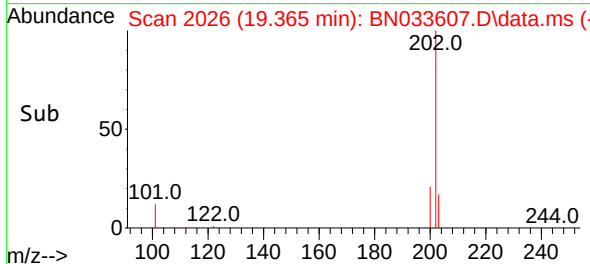
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion:202 Resp: 186180
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 21.9 14.2 21.4

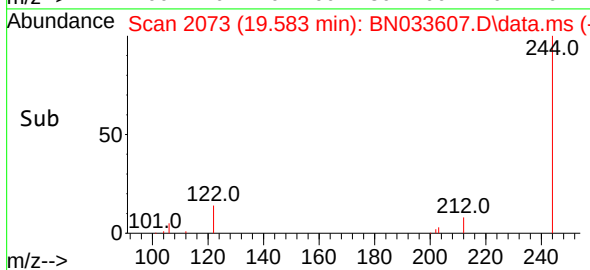
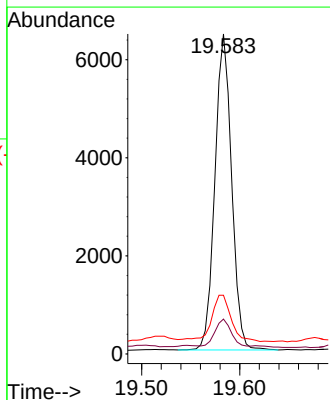
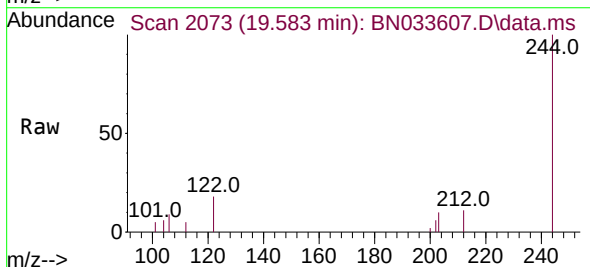
Manual Integrations
APPROVED

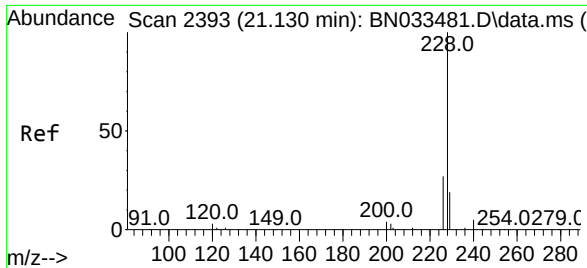
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.204 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

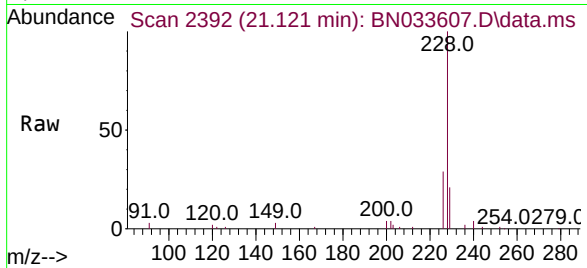
Tgt Ion:244 Resp: 7618
Ion Ratio Lower Upper
244 100
212 10.9 7.8 11.6
122 18.3 13.3 19.9





#32
Benzo(a)anthracene
Concen: 1.551 ng
RT: 21.121 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

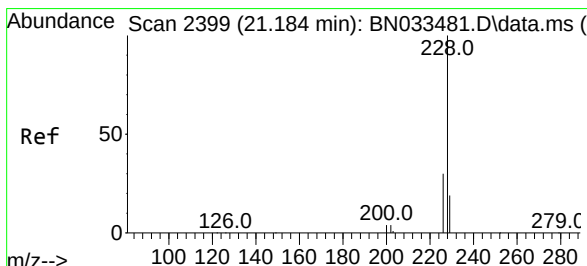
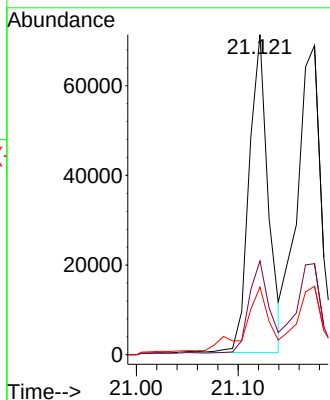
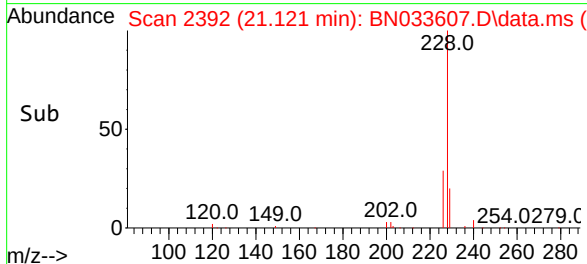
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion:228 Resp: 9219
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.6
229 21.1 15.8 23.6

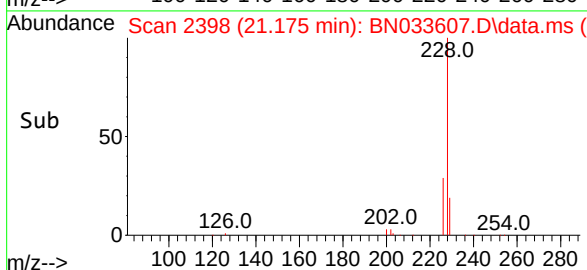
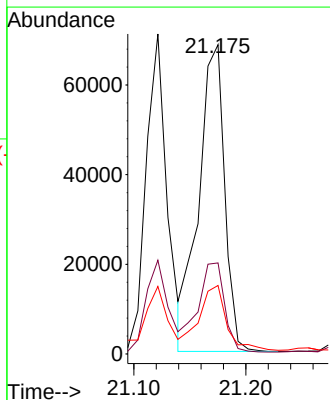
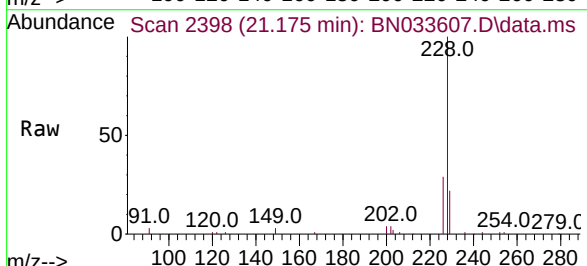
Manual Integrations
APPROVED

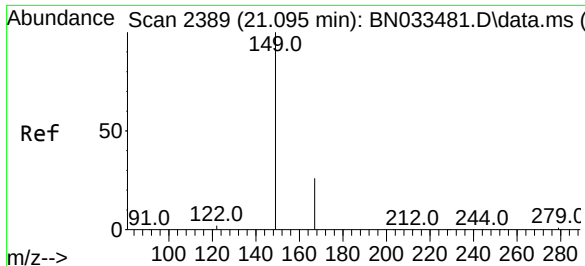
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 1.862 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

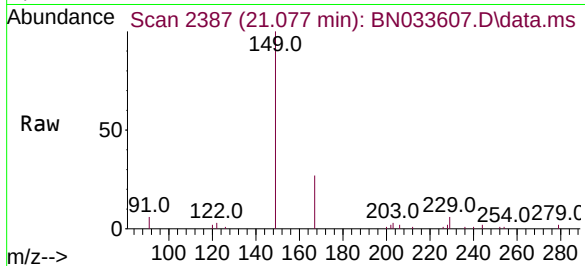
Tgt Ion:228 Resp: 109977
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.8
229 22.2 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.072 ng m
RT: 21.077 min Scan# 2107
Delta R.T. -0.009 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

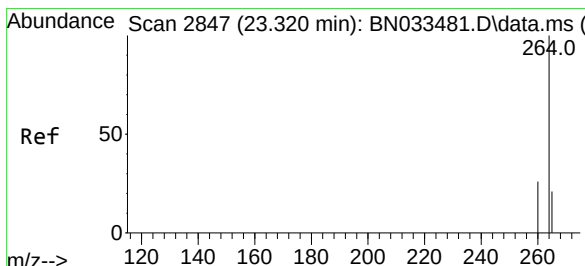
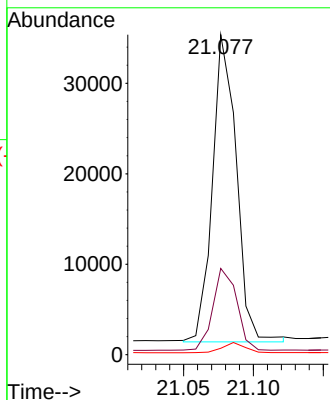
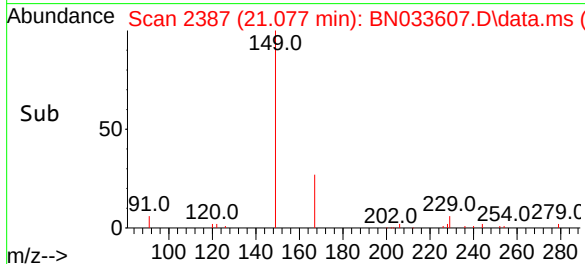
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion:149 Resp: 40339
Ion Ratio Lower Upper
149 100
167 35.1 21.5 32.3
279 3.7 2.2 3.2

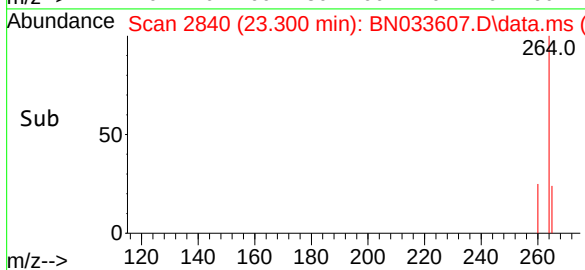
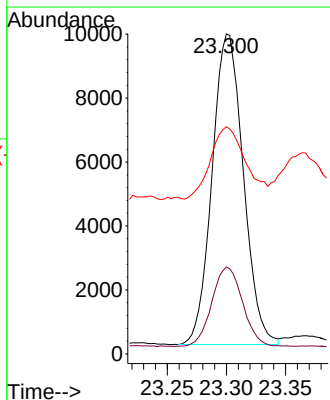
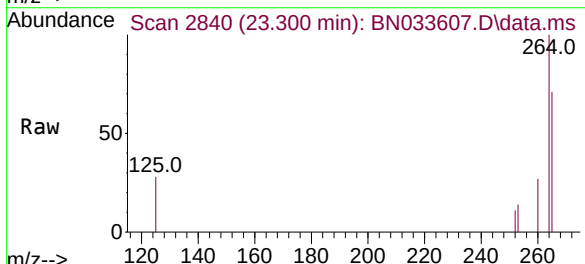
Manual Integrations
APPROVED

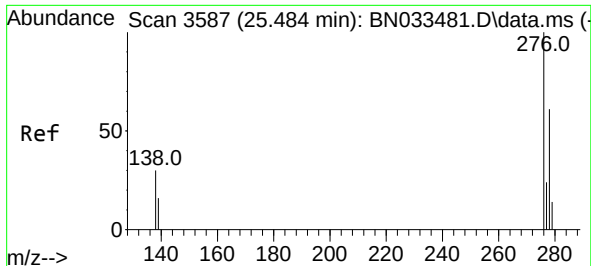
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 2840
Delta R.T. -0.003 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

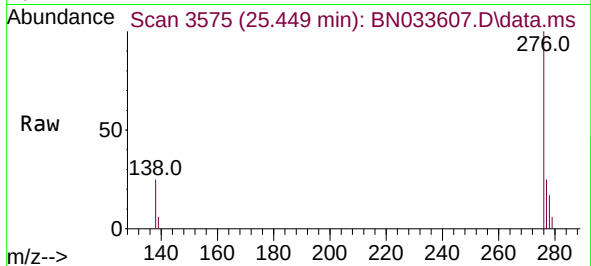
Tgt Ion:264 Resp: 17832
Ion Ratio Lower Upper
264 100
260 27.2 20.8 31.2
265 71.0 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.133 ng
RT: 25.449 min Scan# 3587
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

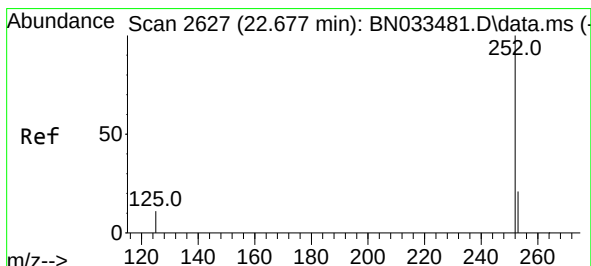
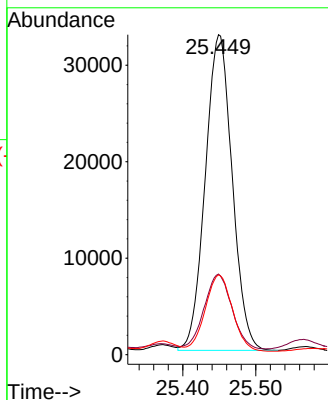
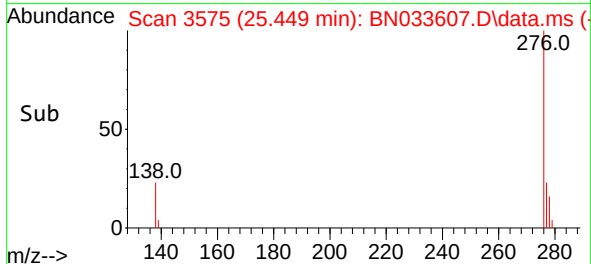
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion:276 Resp: 83890
Ion Ratio Lower Upper
276 100
138 24.2 24.4 36.6
277 24.4 19.8 29.6

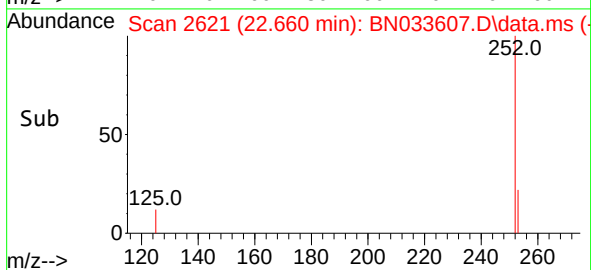
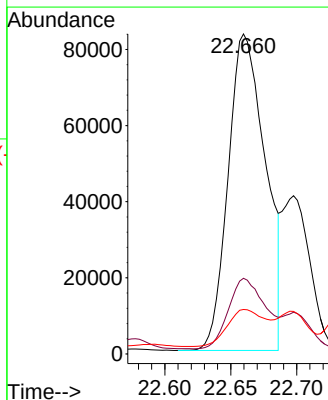
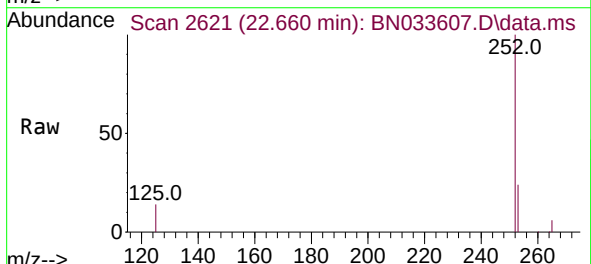
Manual Integrations
APPROVED

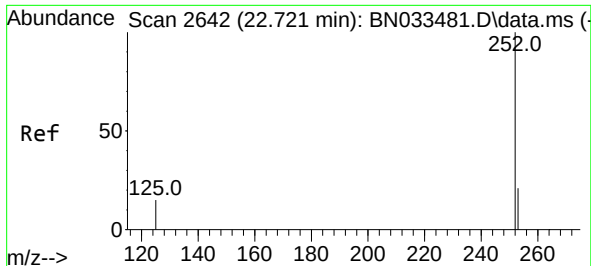
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#37
Benzo(b)fluoranthene
Concen: 2.456 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

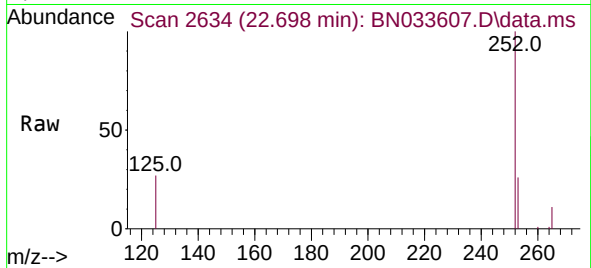
Tgt Ion:252 Resp: 163578
Ion Ratio Lower Upper
252 100
253 23.6 19.8 29.8
125 13.9 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 0.927 ng m
RT: 22.698 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

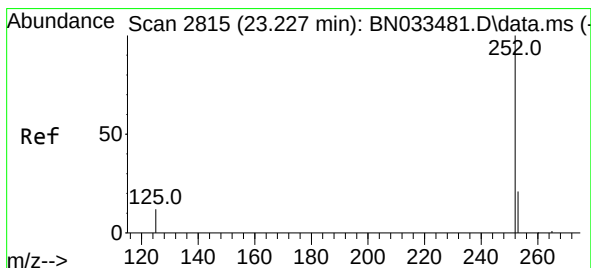
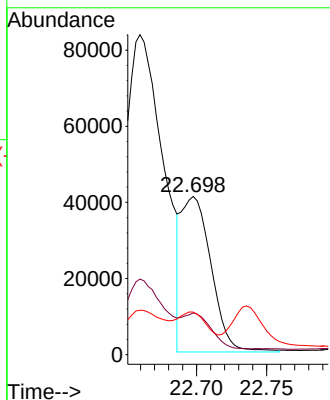
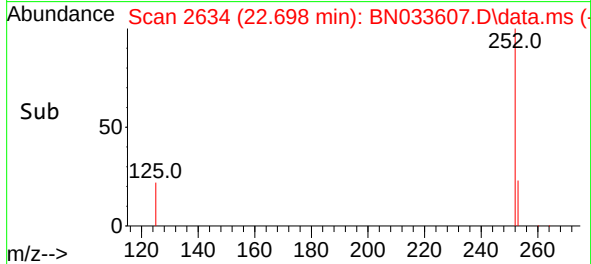
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



Tgt Ion:252 Resp: 60778
Ion Ratio Lower Upper
252 100
253 26.4 19.8 29.8
125 26.9 15.8 23.8

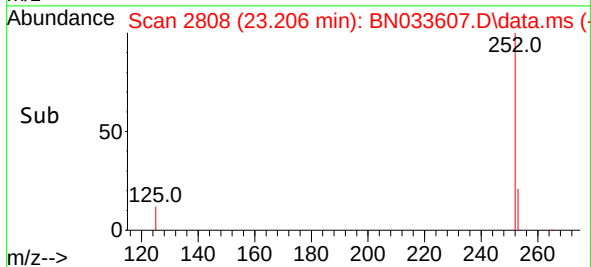
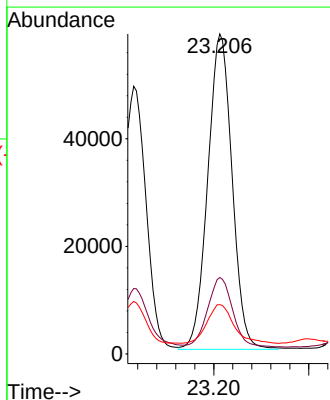
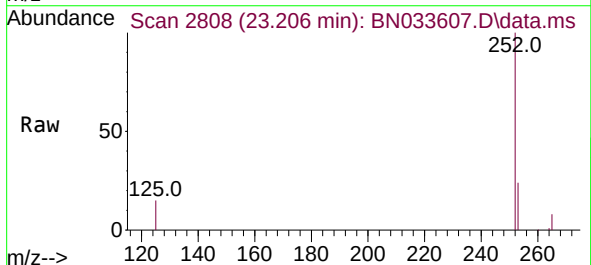
Manual Integrations
APPROVED

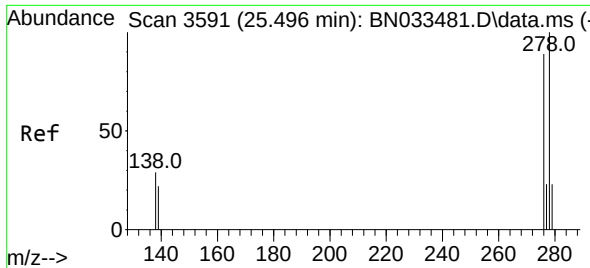
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#39
Benzo(a)pyrene
Concen: 1.890 ng m
RT: 23.206 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

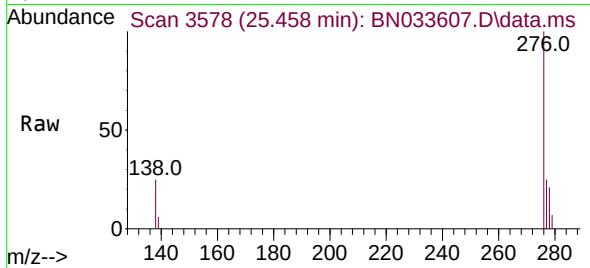
Tgt Ion:252 Resp: 104117
Ion Ratio Lower Upper
252 100
253 23.9 21.5 32.3
125 15.4 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.317 ng
RT: 25.458 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20

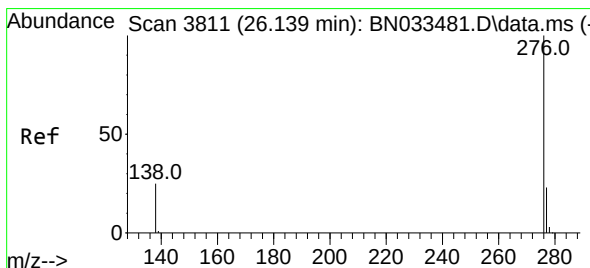
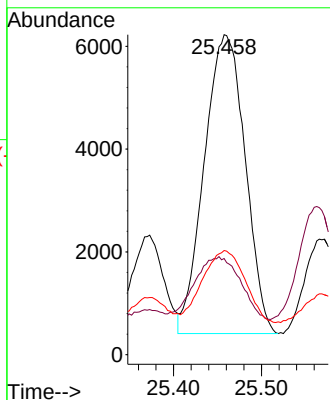
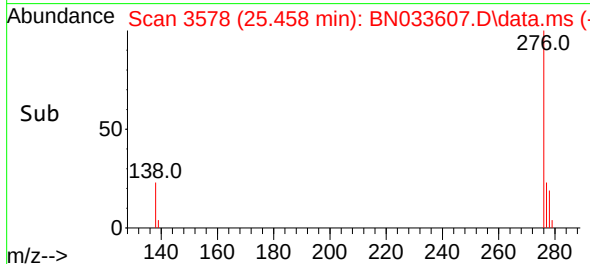
Instrument :
BNA_N
ClientSampleId :
S-913-K1-SO-0-0.5-082024



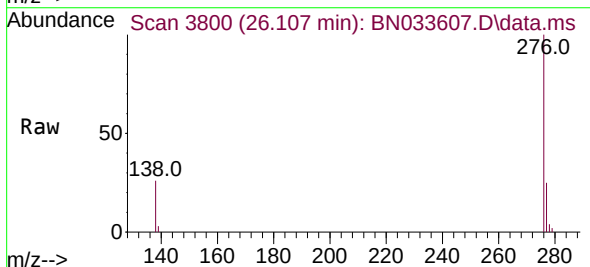
Tgt Ion:278 Resp: 18784
Ion Ratio Lower Upper
278 100
139 30.0 19.1 28.7
279 32.6 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#41
Benzo(g,h,i)perylene
Concen: 1.323 ng
RT: 26.107 min Scan# 3800
Delta R.T. 0.003 min
Lab File: BN033607.D
Acq: 24 Aug 2024 02:20



Tgt Ion:276 Resp: 83773
Ion Ratio Lower Upper
276 100
277 24.6 19.7 29.5
138 25.8 21.8 32.6

