

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033608.D
 Acq On : 24 Aug 2024 02:56
 Operator : MA/JU
 Sample : P3641-01DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0-0.5-081524DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 24 03:49:12 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8909	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	23864	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	11261	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20820	0.400	ng	0.00
29) Chrysene-d12	21.139	240	17600	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	19075	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	1133	0.040	ng	0.00
5) Phenol-d6	6.736	99	1364	0.040	ng	0.00
8) Nitrobenzene-d5	8.681	82	1124	0.057	ng	0.00
11) 2-Methylnaphthalene-d10	11.899	152	1572	0.046	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	266	0.044	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	2100	0.046	ng	0.00
27) Fluoranthene-d10	18.970	212	2001	0.040	ng	0.00
31) Terphenyl-d14	19.583	244	1408	0.035	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.357	128	1365	0.021	ng	# 81
12) 2-Methylnaphthalene	11.975	142	1104	0.027	ng	# 89
16) Acenaphthylene	13.900	152	2886	0.058	ng	98
17) Acenaphthene	14.242	154	1956	0.056	ng	94
18) Fluorene	15.236	166	2371m	0.054	ng	
25) Phenanthrene	16.966	178	69309	1.197	ng	99
26) Anthracene	17.066	178	10324	0.201	ng	# 95
28) Fluoranthene	18.998	202	224917	3.514	ng	100
30) Pyrene	19.365	202	185220	2.358	ng	# 95
32) Benzo(a)anthracene	21.121	228	89037	1.399	ng	96
33) Chrysene	21.175	228	117026	1.850	ng	98
34) Bis(2-ethylhexyl)phtha...	21.077	149	6737m	0.167	ng	
36) Indeno(1,2,3-cd)pyrene	25.449	276	102806	1.298	ng	# 93
37) Benzo(b)fluoranthene	22.660	252	188174	2.642	ng	# 95
38) Benzo(k)fluoranthene	22.698	252	68817m	0.981	ng	
39) Benzo(a)pyrene	23.206	252	115607m	1.961	ng	
40) Dibenzo(a,h)anthracene	25.460	278	21904	0.346	ng	93
41) Benzo(g,h,i)perylene	26.107	276	103938	1.535	ng	98

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

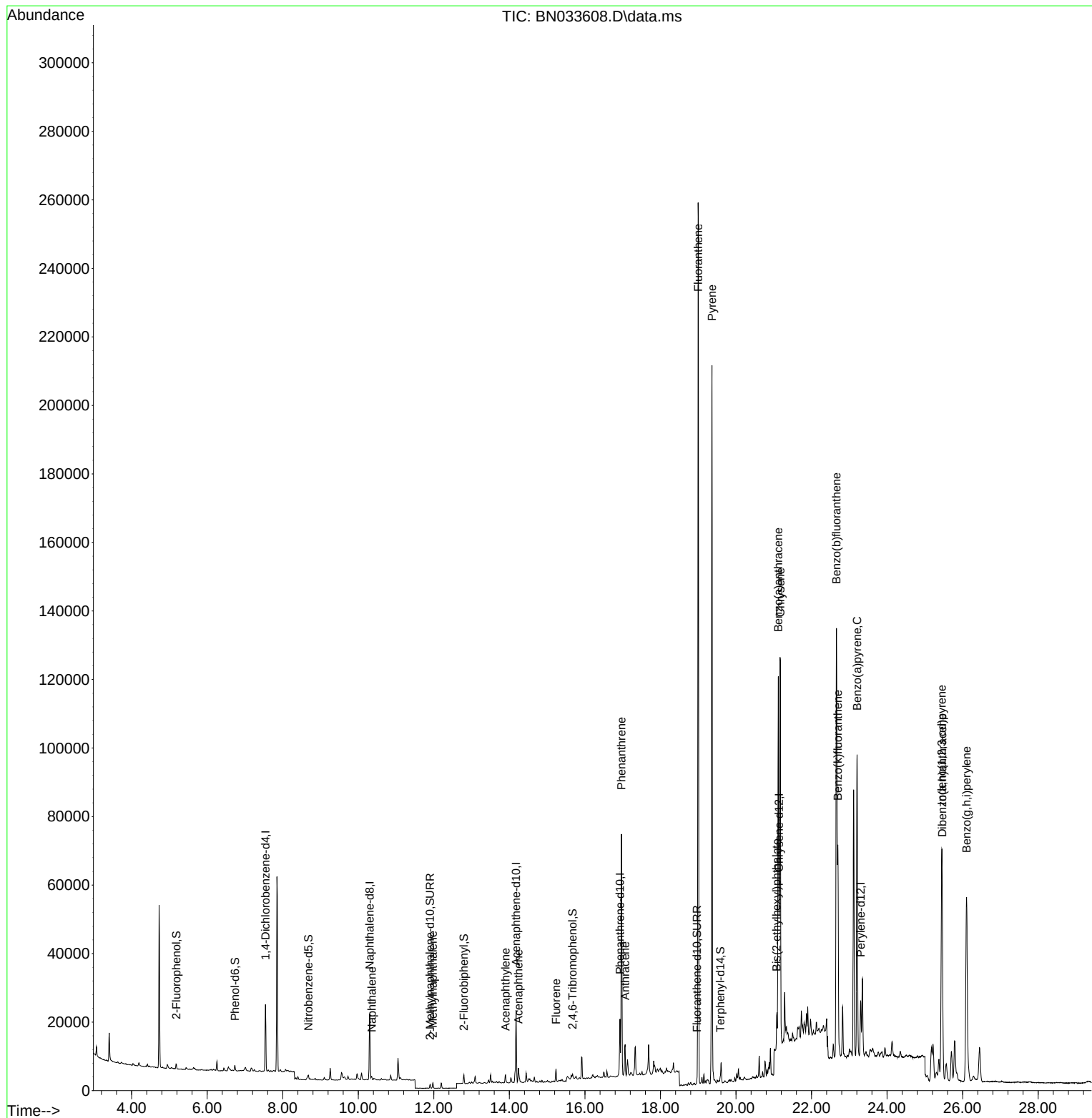
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033608.D
Acq On : 24 Aug 2024 02:56
Operator : MA/JU
Sample : P3641-01DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

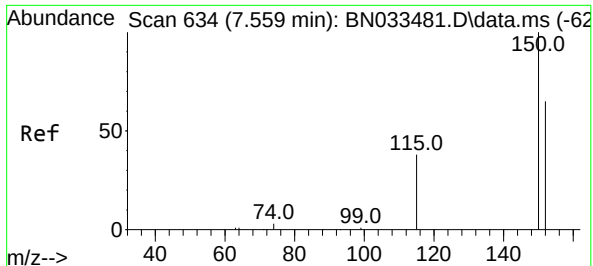
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL

Quant Time: Aug 24 03:49:12 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

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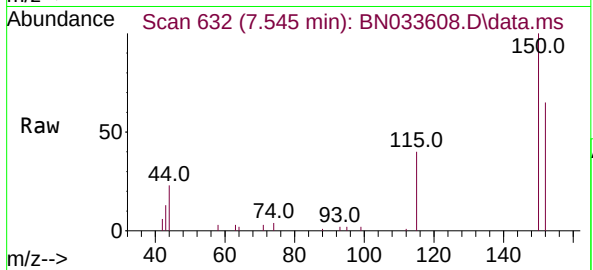
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

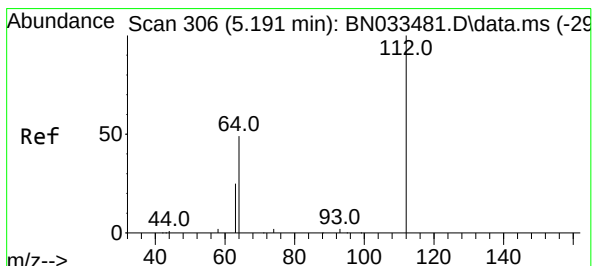
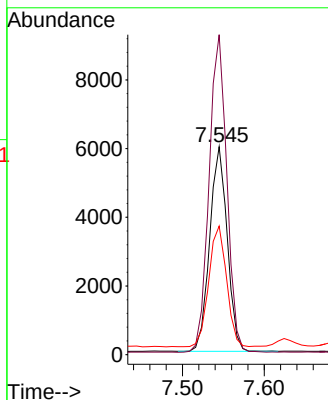
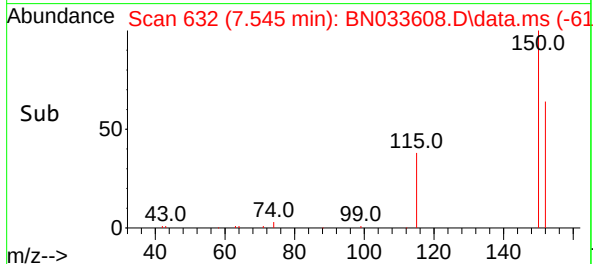
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:152 Resp: 890
Ion Ratio Lower Upper
152 100
150 153.9 122.2 183.2
115 61.9 47.2 70.8

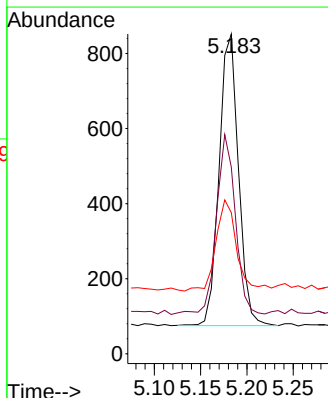
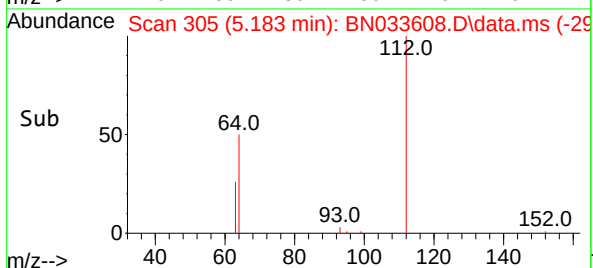
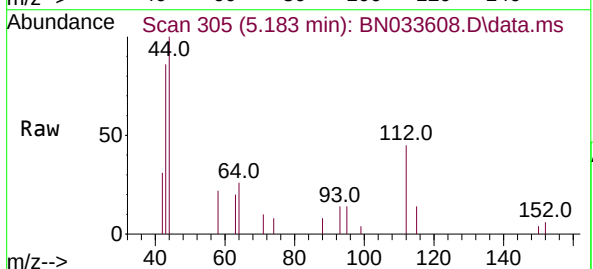
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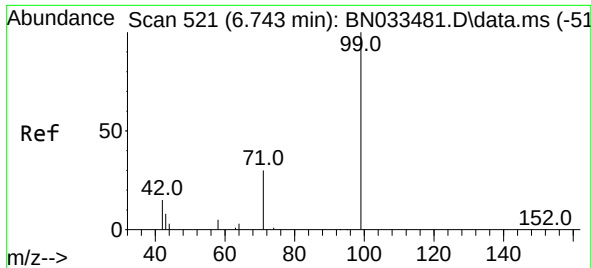
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.040 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

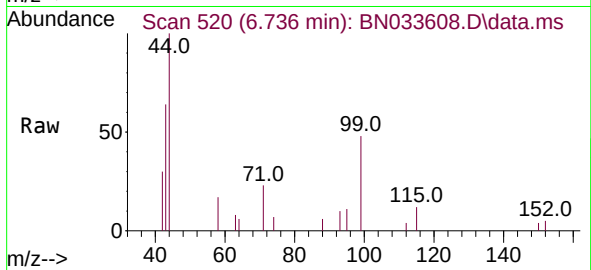
Tgt Ion:112 Resp: 1133
Ion Ratio Lower Upper
112 100
64 60.4 47.1 70.7
63 33.5 24.9 37.3





#5
Phenol-d6
Concen: 0.040 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

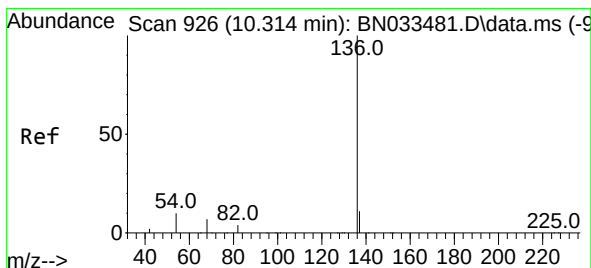
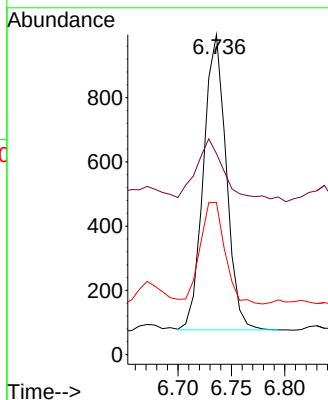
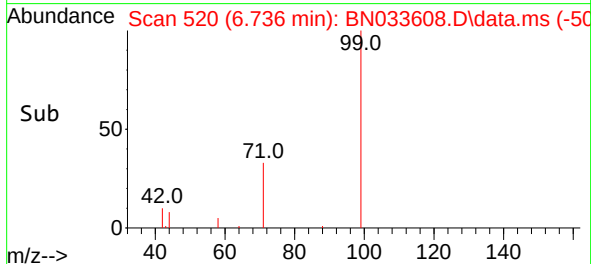
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion: 99 Resp: 1364
Ion Ratio Lower Upper
99 100
42 27.2 16.6 24.8
71 37.5 26.2 39.4

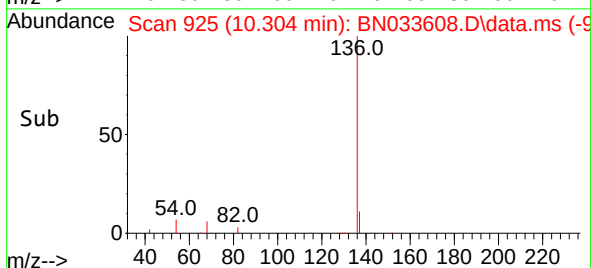
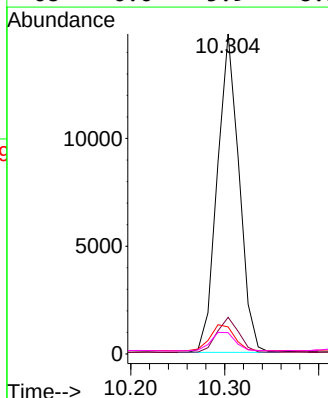
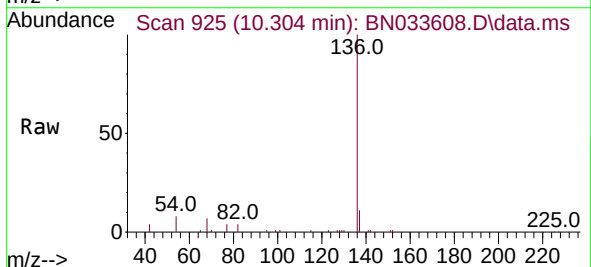
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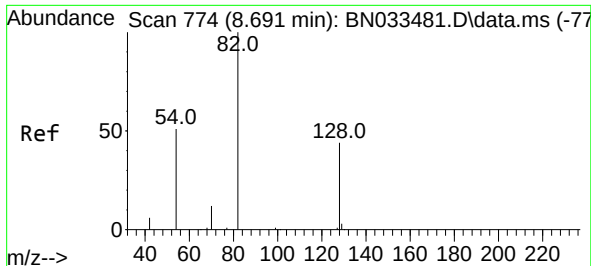
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

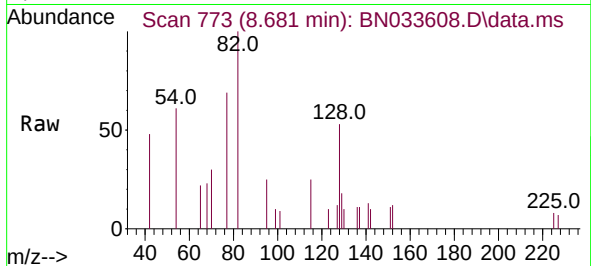
Tgt Ion:136 Resp: 23864
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 8.4 8.3 12.5
68 6.6 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.057 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

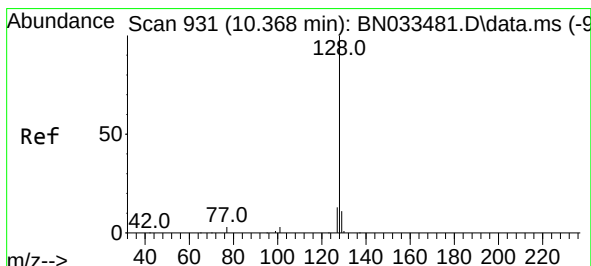
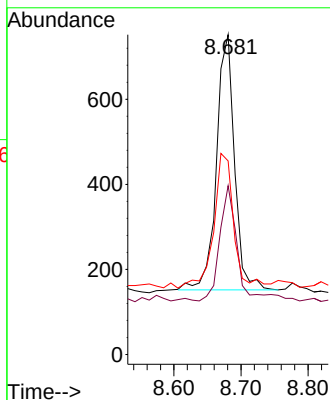
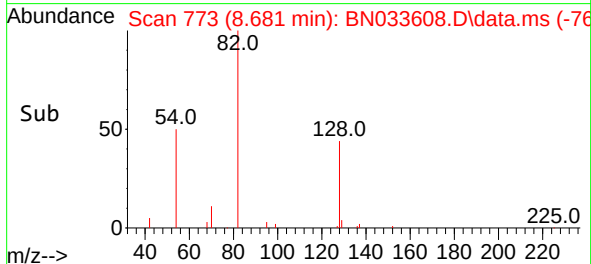
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion: 82 Resp: 1124
Ion Ratio Lower Upper
82 100
128 52.8 36.0 54.0
54 60.5 42.0 63.0

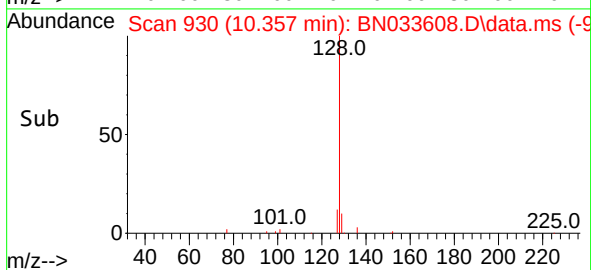
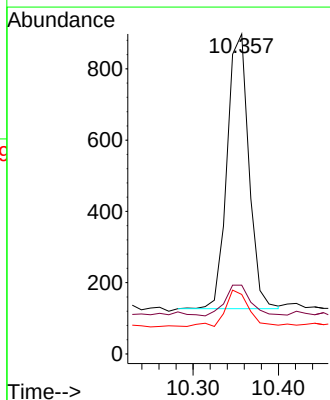
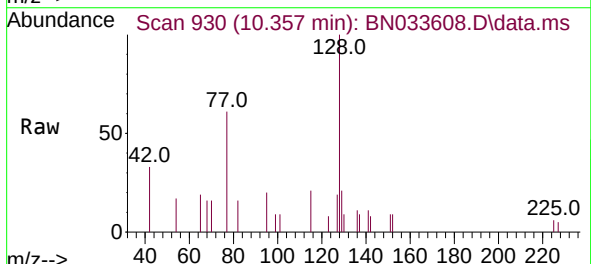
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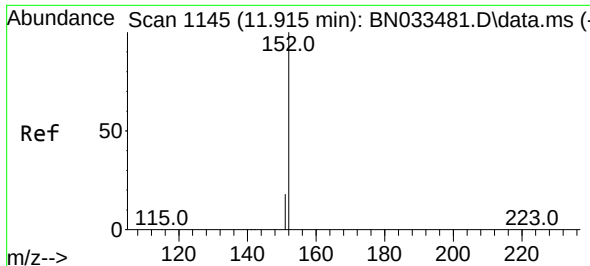
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.021 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

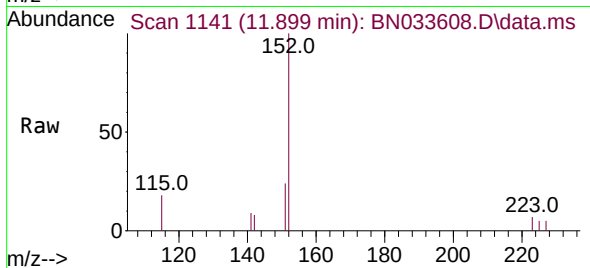
Tgt Ion:128 Resp: 1365
Ion Ratio Lower Upper
128 100
129 21.5 9.1 13.7#
127 18.6 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.046 ng
RT: 11.899 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

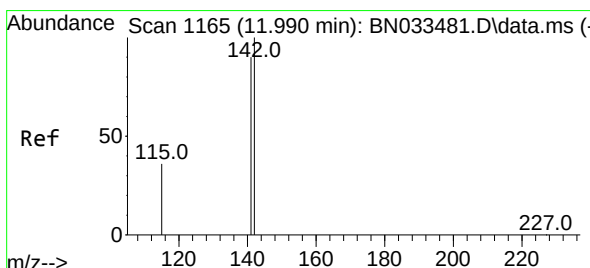
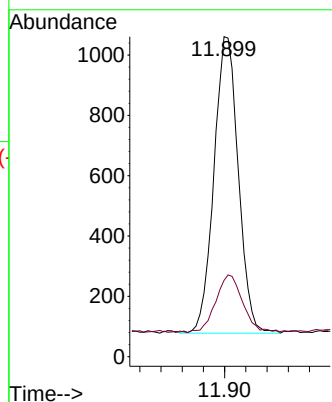
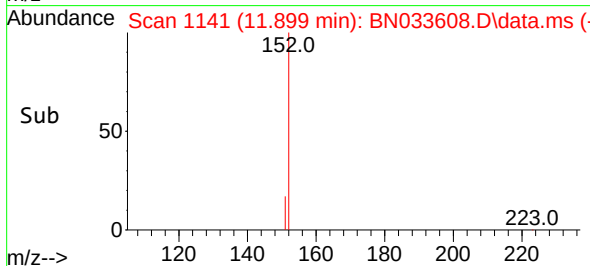
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:152 Resp: 1572
Ion Ratio Lower Upper
152 100
151 21.5 16.6 25.0

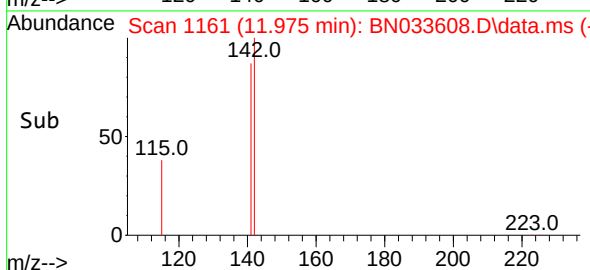
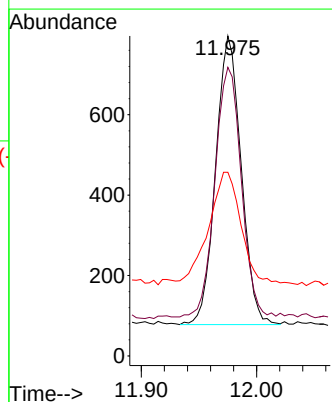
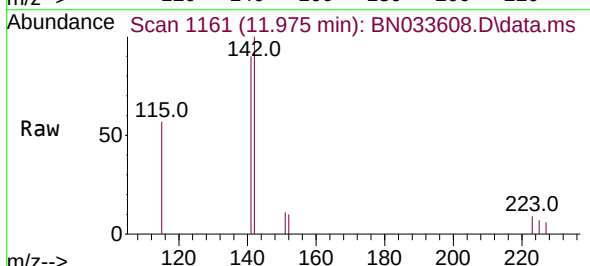
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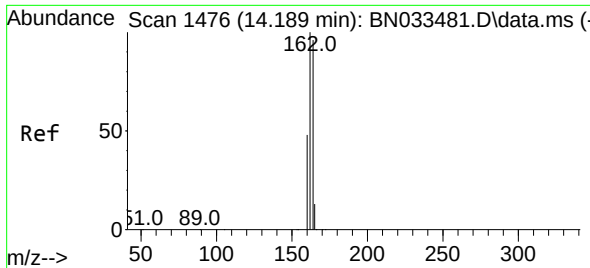
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#12
2-Methylnaphthalene
Concen: 0.027 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

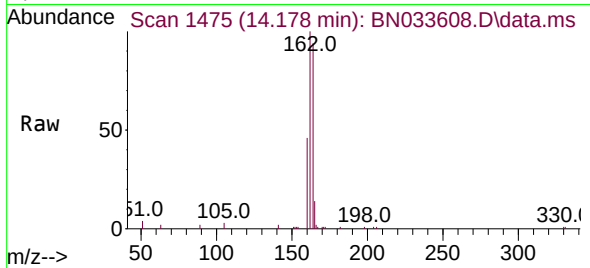
Tgt Ion:142 Resp: 1104
Ion Ratio Lower Upper
142 100
141 90.2 71.7 107.5
115 57.4 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

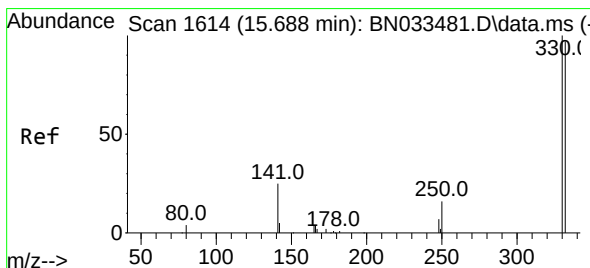
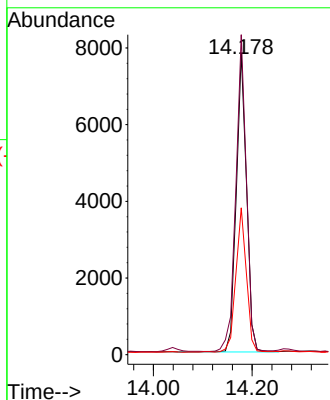
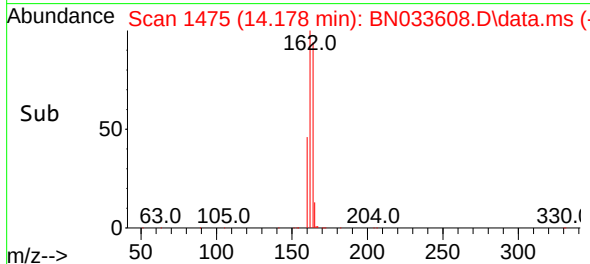
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:164 Resp: 1126
Ion Ratio Lower Upper
164 100
162 106.0 83.5 125.3
160 48.6 40.2 60.4

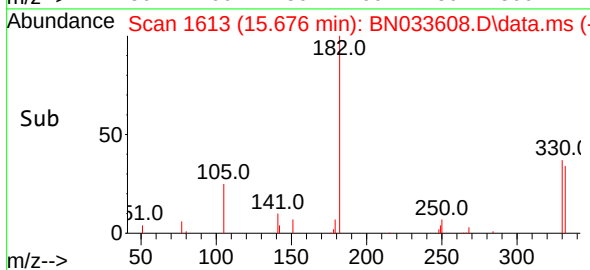
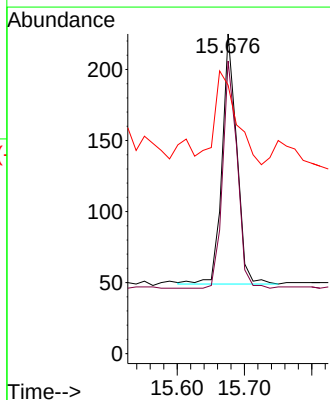
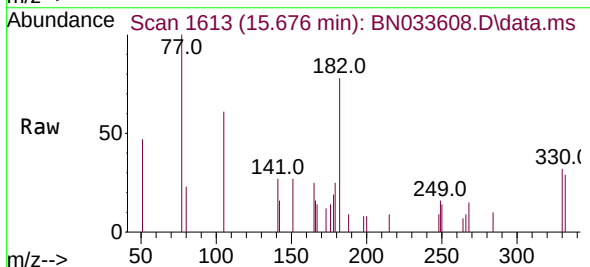
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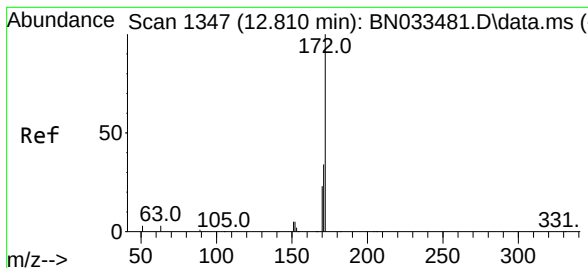
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.044 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

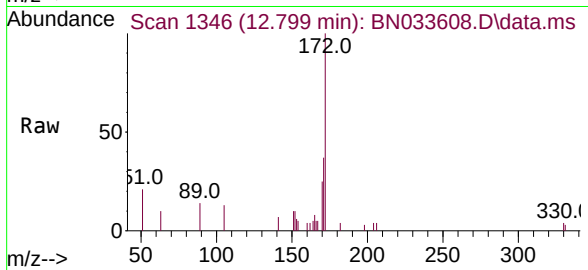
Tgt Ion:330 Resp: 266
Ion Ratio Lower Upper
330 100
332 89.8 77.5 116.3
141 56.4 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

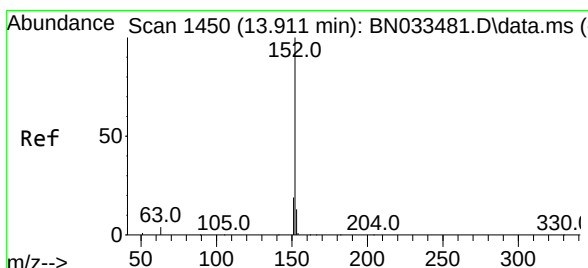
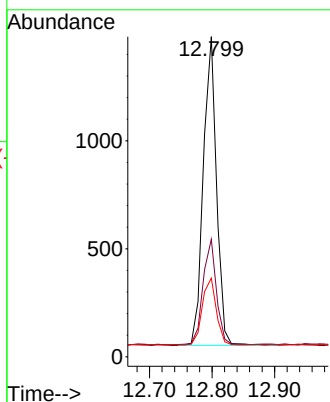
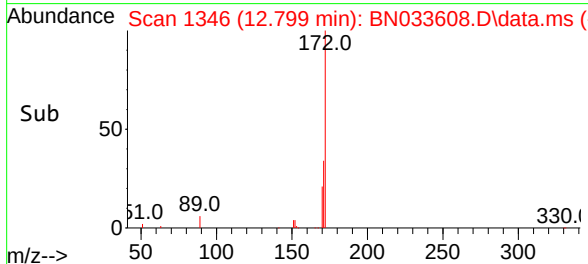
Instrument :
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S-907-K1-0-0.5-081524DL



Tgt Ion:172 Resp: 2100
Ion Ratio Lower Upper
172 100
171 36.7 27.7 41.5
170 24.6 18.3 27.5

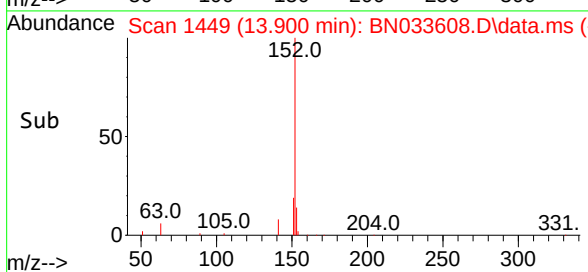
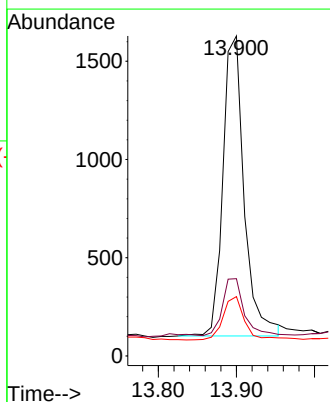
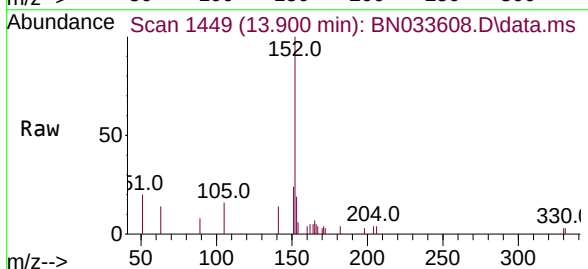
Manual Integrations
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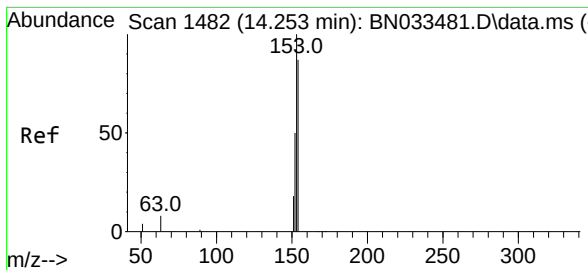
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.058 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

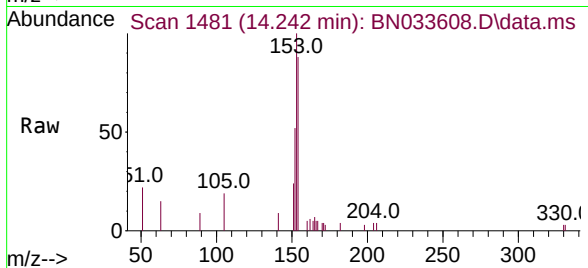
Tgt Ion:152 Resp: 2886
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 14.6 10.3 15.5





#17
Acenaphthene
Concen: 0.056 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

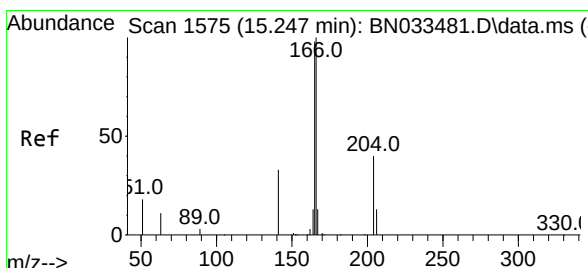
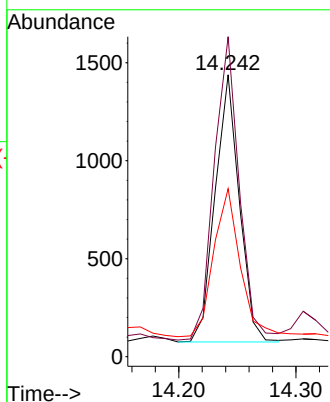
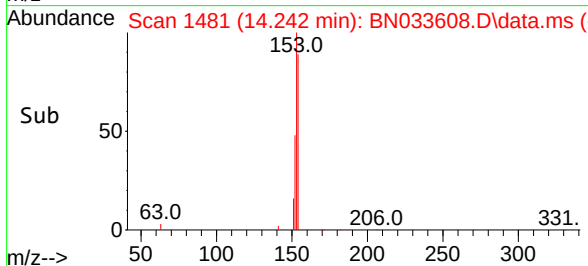
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:154 Resp: 1950
Ion Ratio Lower Upper
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153 117.5 89.0 133.6
152 61.0 45.2 67.8

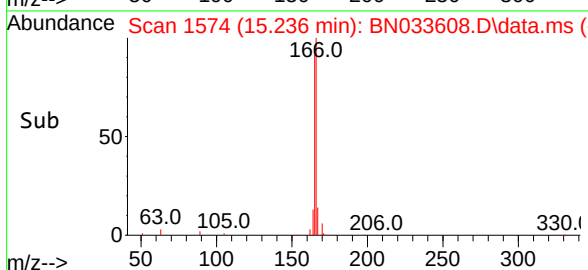
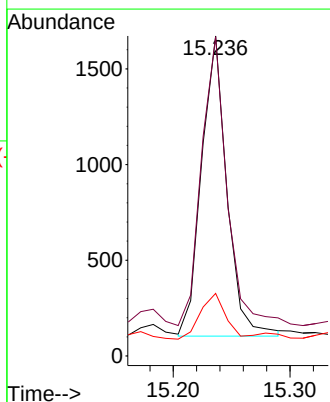
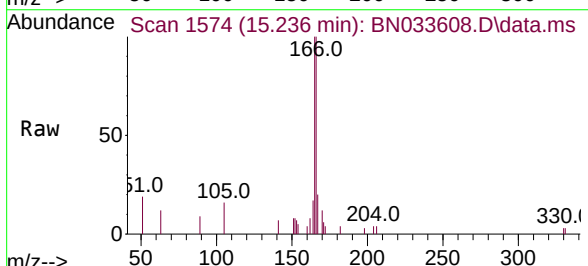
Manual Integrations
APPROVED

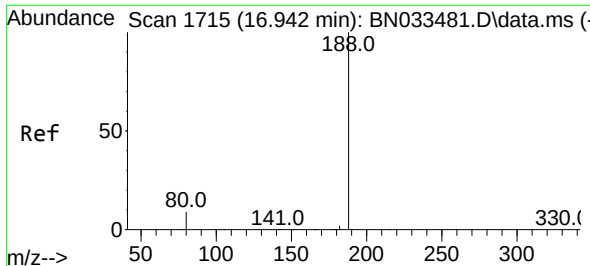
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#18
Fluorene
Concen: 0.054 ng m
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:166 Resp: 2371
Ion Ratio Lower Upper
166 100
165 96.2 78.2 117.4
167 15.6 10.6 16.0





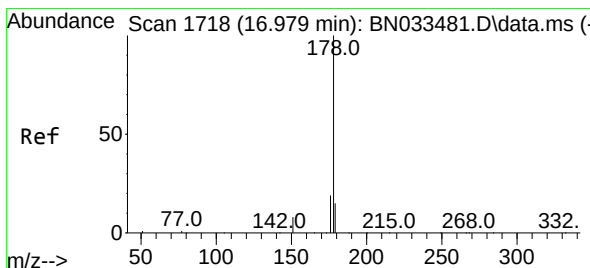
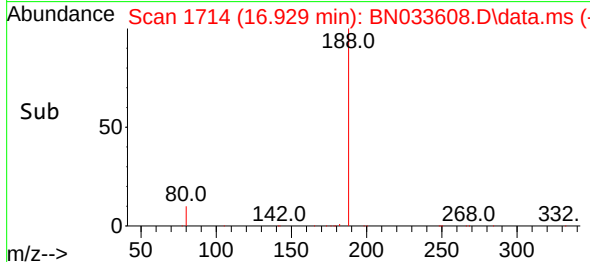
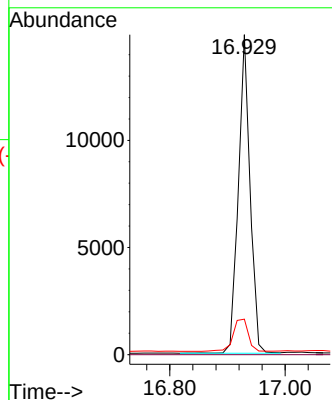
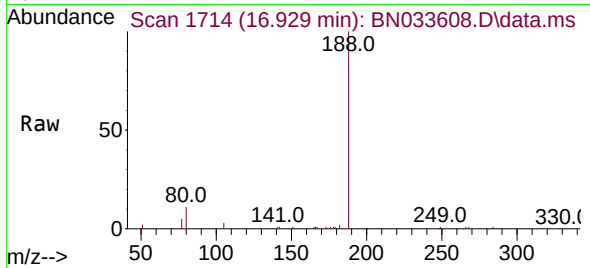
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL

Tgt Ion:188 Resp: 20820
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 7.8 11.8

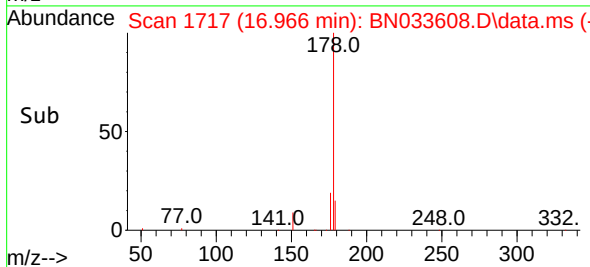
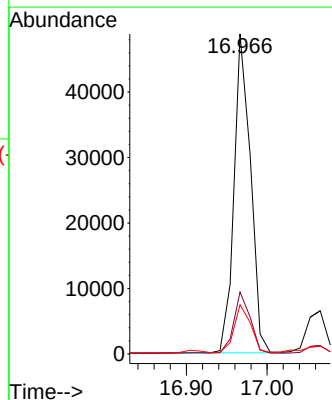
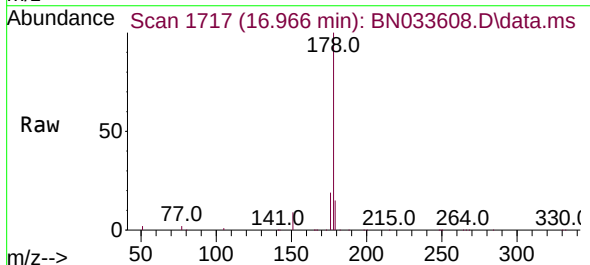
Manual Integrations
APPROVED

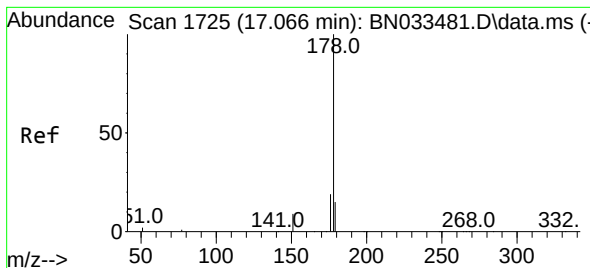
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 1.197 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

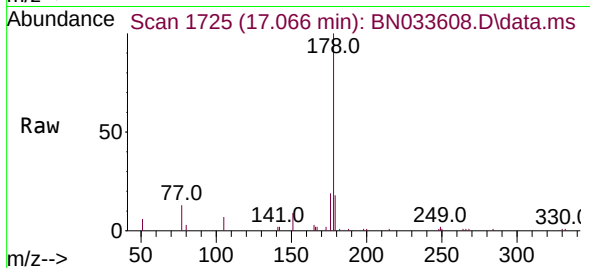
Tgt Ion:178 Resp: 69309
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.9 12.3 18.5





#26
 Anthracene
 Concen: 0.201 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033608.D
 Acq: 24 Aug 2024 02:56

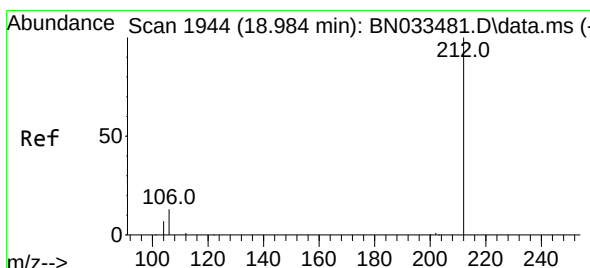
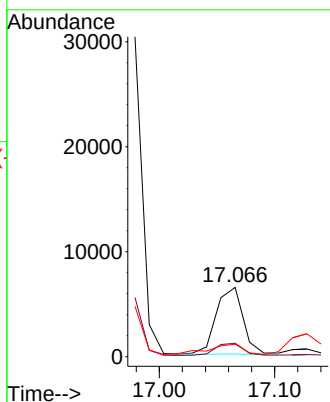
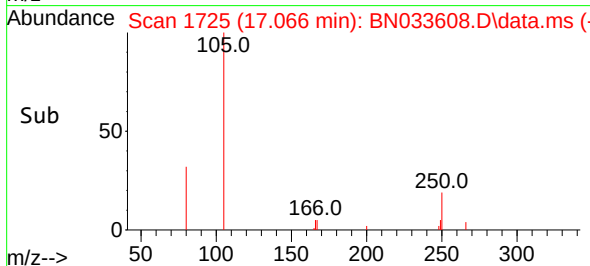
Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0-0.5-081524DL



Tgt Ion:178 Resp: 10324
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 19.7 12.4 18.6

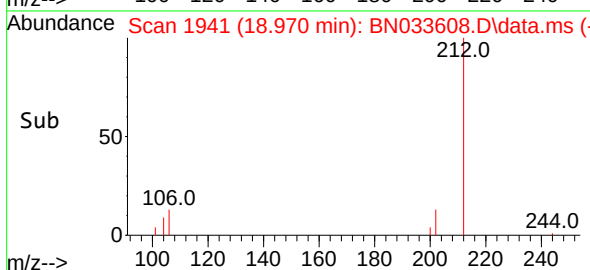
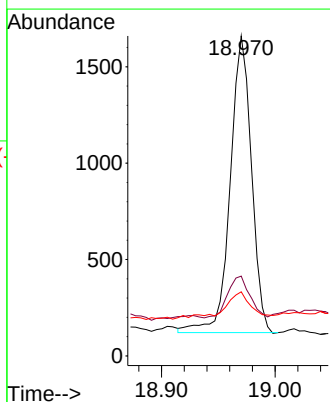
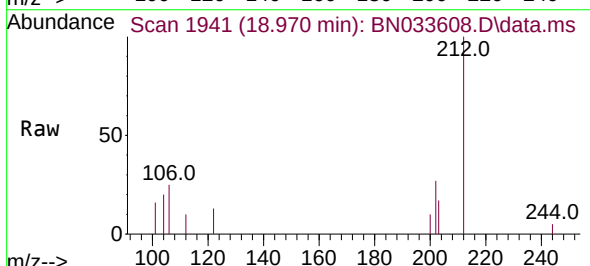
Manual Integrations
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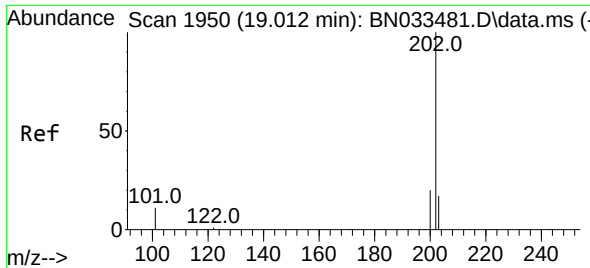
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.040 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033608.D
 Acq: 24 Aug 2024 02:56

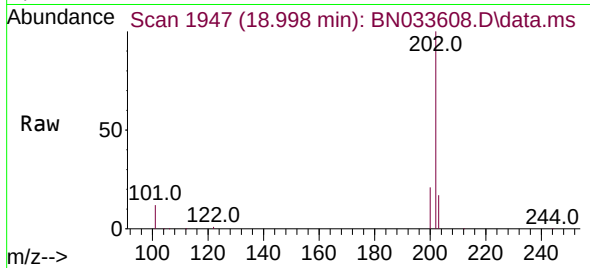
Tgt Ion:212 Resp: 2001
 Ion Ratio Lower Upper
 212 100
 106 14.7 12.3 18.5
 104 8.1 7.0 10.4





#28
Fluoranthene
Concen: 3.514 ng
RT: 18.998 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

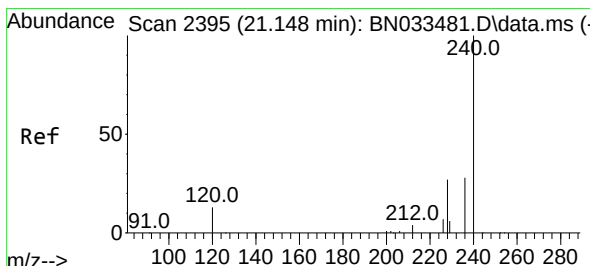
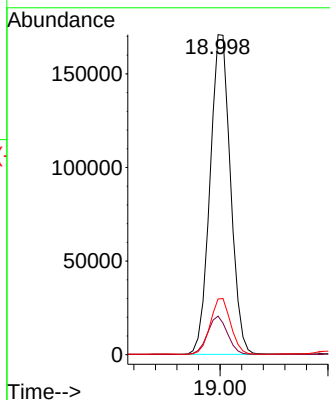
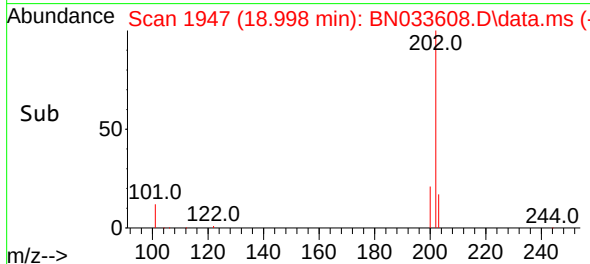
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:202 Resp: 224917
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.3 13.8 20.6

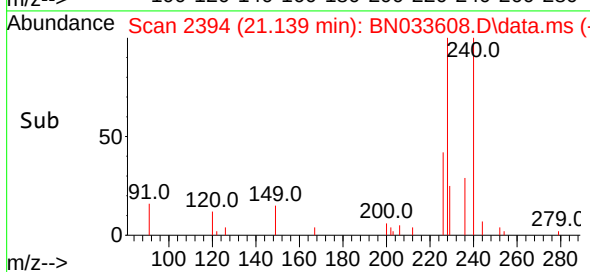
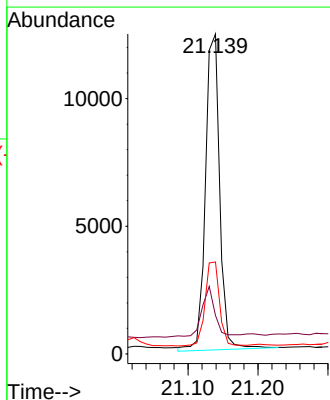
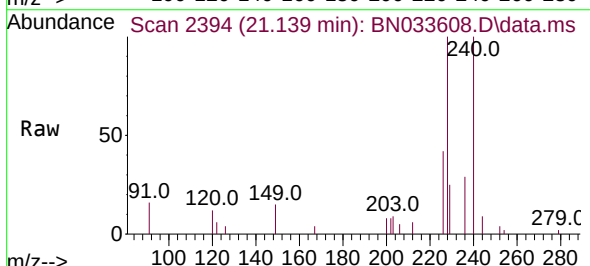
Manual Integrations
APPROVED

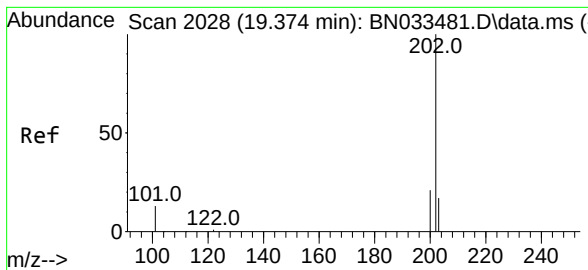
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

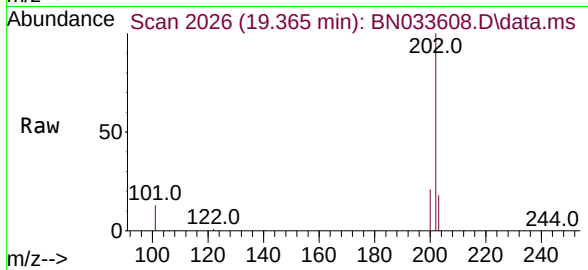
Tgt Ion:240 Resp: 17600
Ion Ratio Lower Upper
240 100
120 12.1 12.4 18.6#
236 28.7 23.0 34.6





#30
Pyrene
Concen: 2.358 ng
RT: 19.365 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

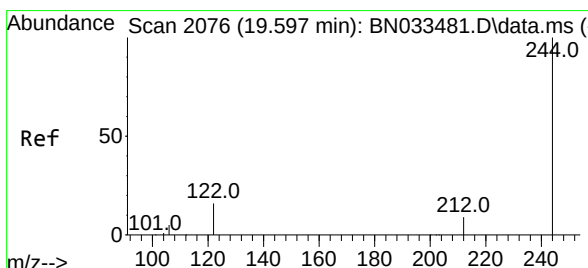
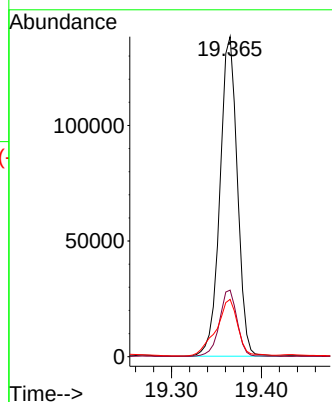
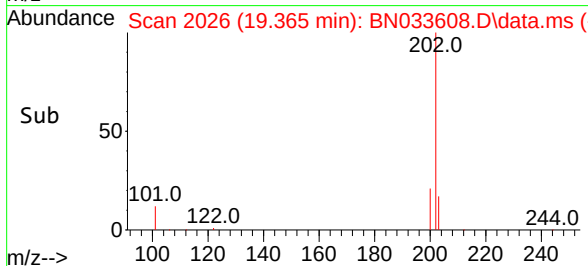
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:202 Resp: 185220
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 21.9 14.2 21.4

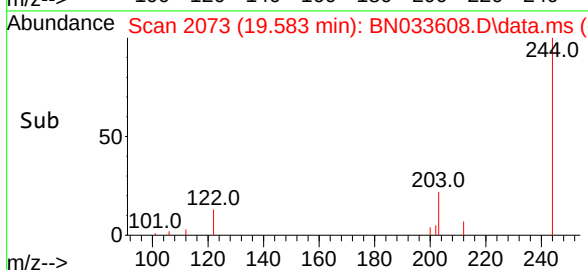
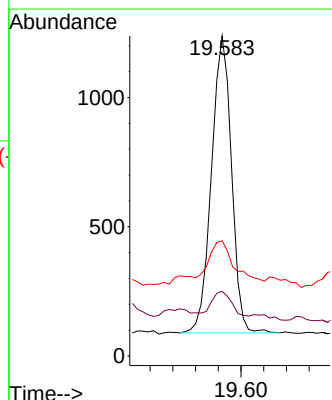
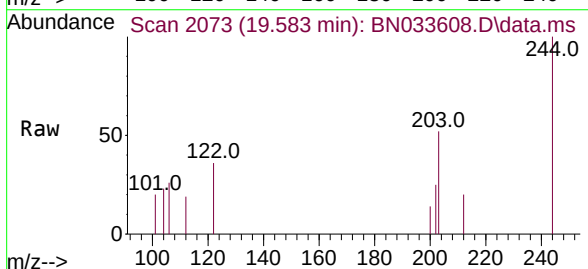
Manual Integrations
APPROVED

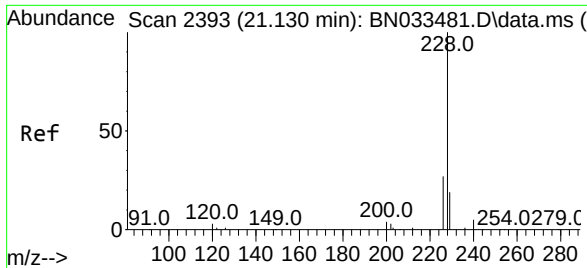
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.035 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

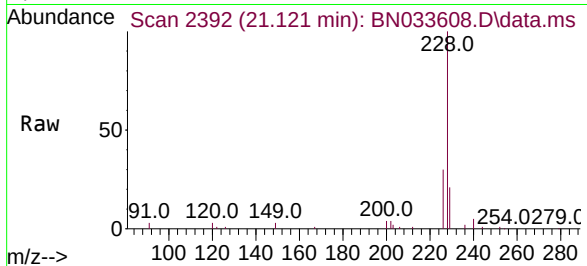
Tgt Ion:244 Resp: 1408
Ion Ratio Lower Upper
244 100
212 20.2 7.8 11.6#
122 36.0 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 1.399 ng
RT: 21.121 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

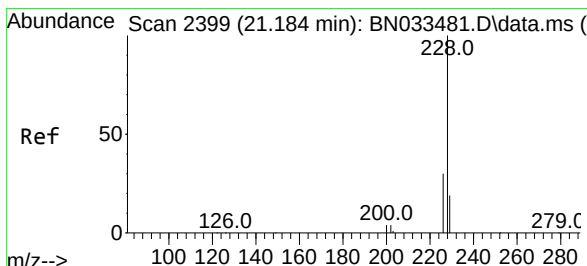
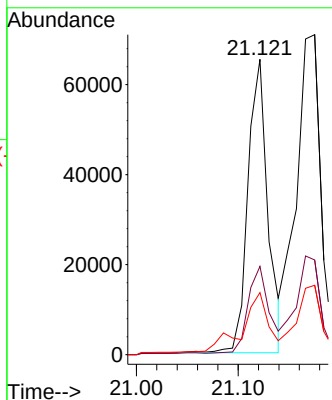
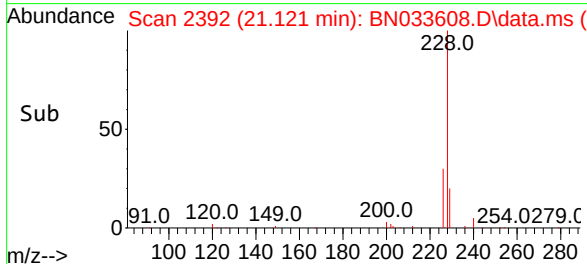
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:228 Resp: 8903
Ion Ratio Lower Upper
228 100
226 29.9 21.8 32.6
229 21.0 15.8 23.6

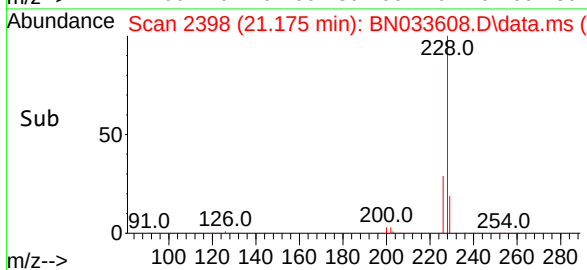
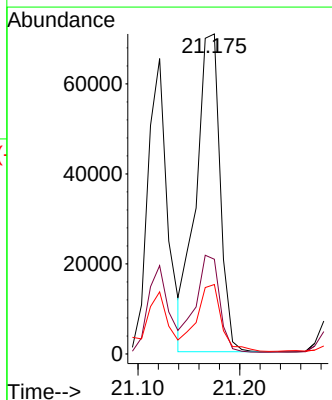
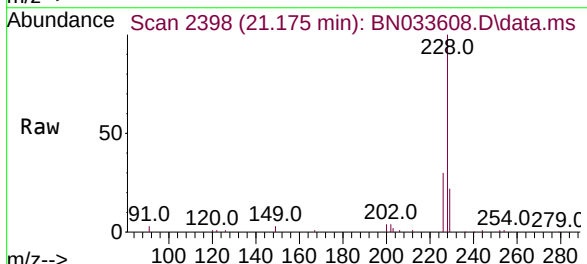
Manual Integrations
APPROVED

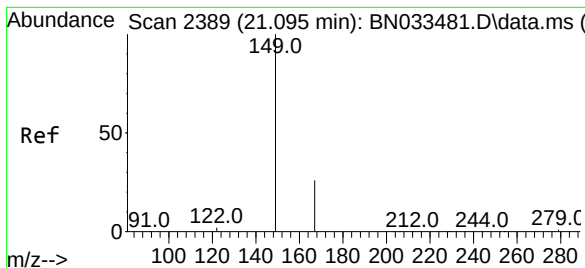
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 1.850 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:228 Resp: 117026
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 21.7 15.6 23.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.167 ng m

RT: 21.077 min Scan# 2107

Delta R.T. -0.009 min

Lab File: BN033608.D

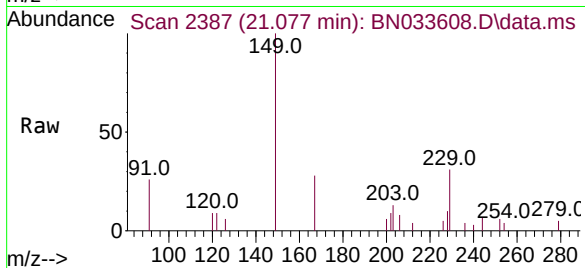
Acq: 24 Aug 2024 02:56

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524DL



Tgt Ion:149 Resp: 673

Ion Ratio Lower Upper

149 100

167 34.4 21.5 32.3

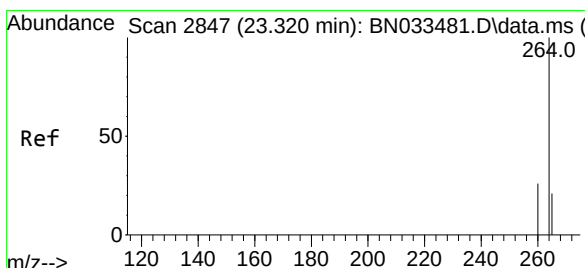
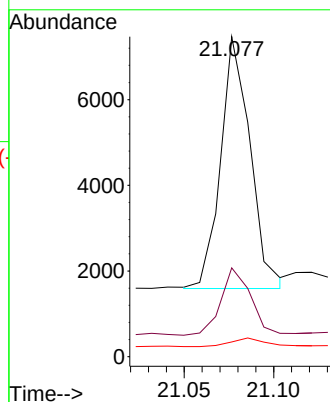
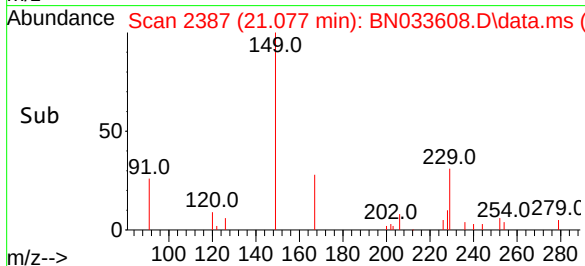
279 7.2 2.2 3.2

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: BN033608.D

Acq: 24 Aug 2024 02:56

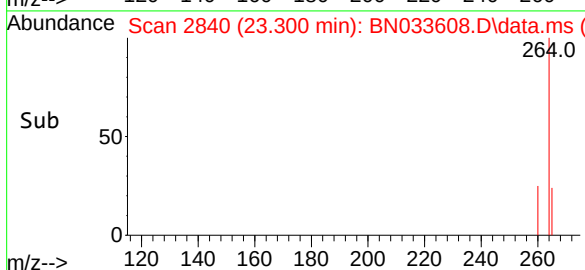
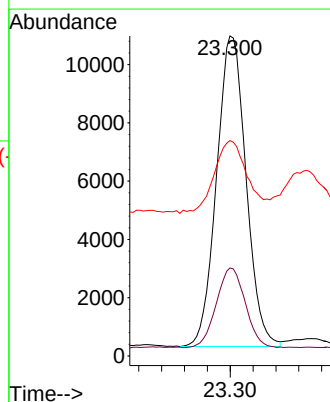
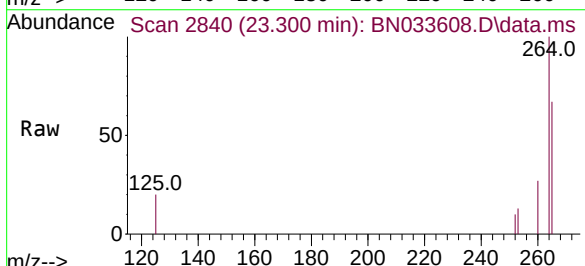
Tgt Ion:264 Resp: 19075

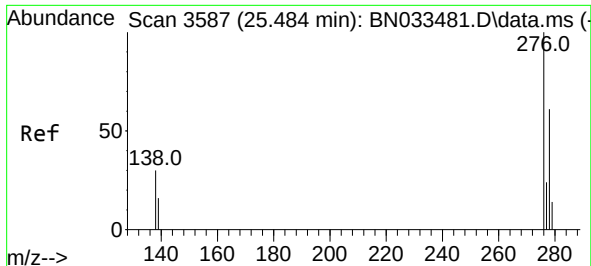
Ion Ratio Lower Upper

264 100

260 27.5 20.8 31.2

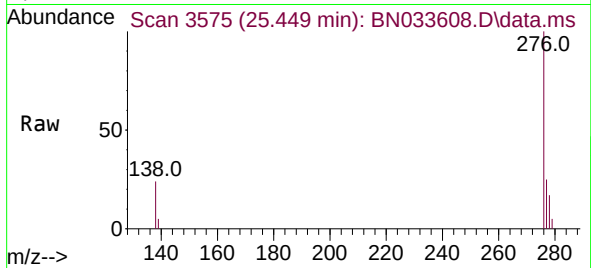
265 67.3 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.298 ng
RT: 25.449 min Scan# 3575
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

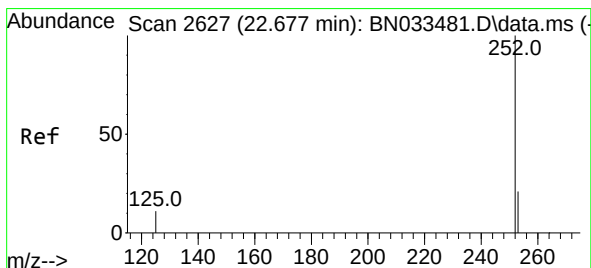
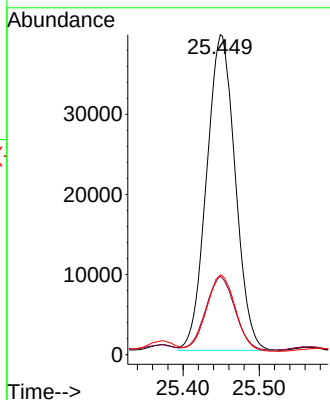
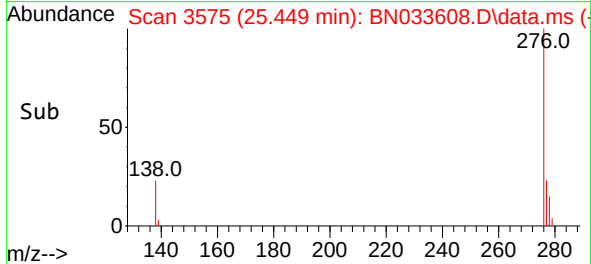
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:276 Resp: 102800
Ion Ratio Lower Upper
276 100
138 23.8 24.4 36.6
277 24.5 19.8 29.6

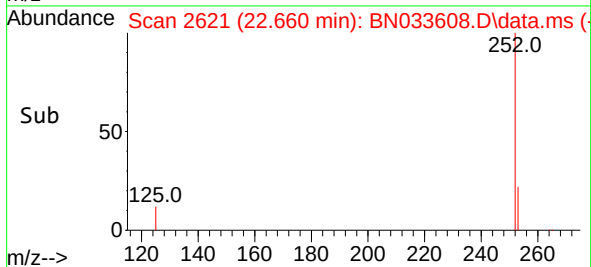
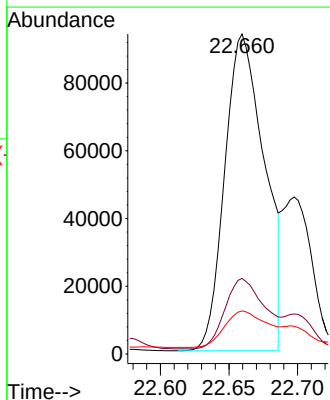
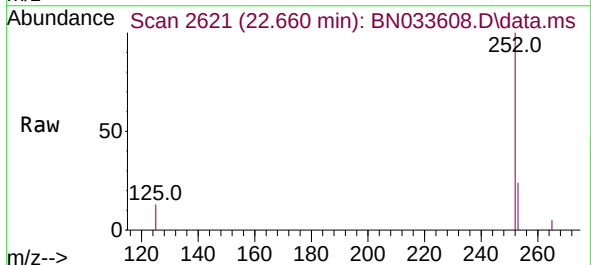
Manual Integrations
APPROVED

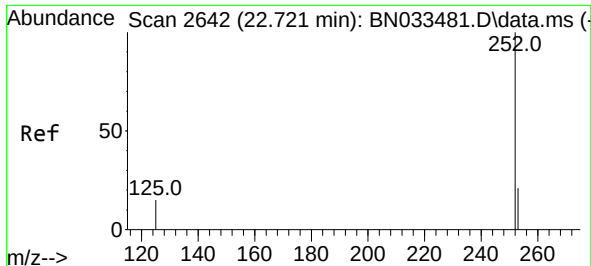
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#37
Benzo(b)fluoranthene
Concen: 2.642 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

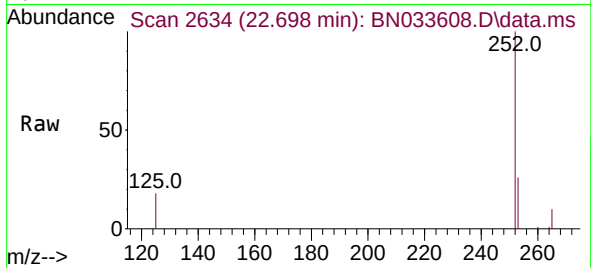
Tgt Ion:252 Resp: 188174
Ion Ratio Lower Upper
252 100
253 23.6 19.8 29.8
125 13.5 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 0.981 ng m
RT: 22.698 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

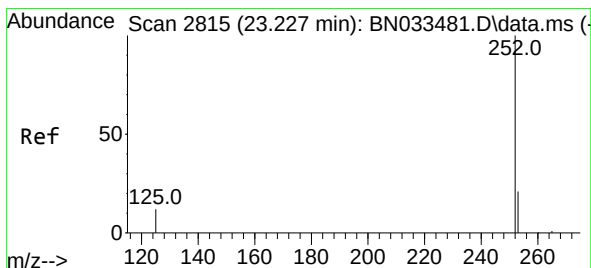
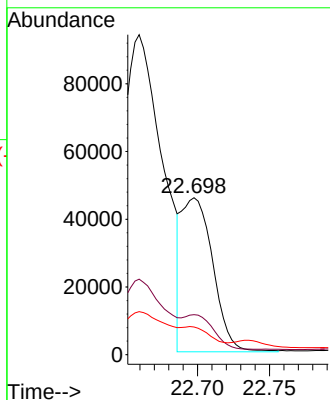
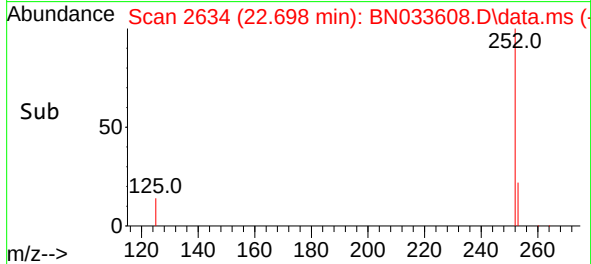
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:252 Resp: 6881
Ion Ratio Lower Upper
252 100
253 25.5 19.8 29.8
125 17.7 15.8 23.8

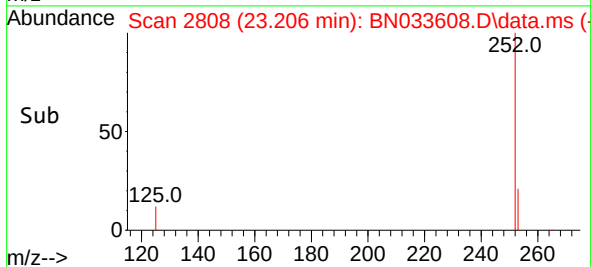
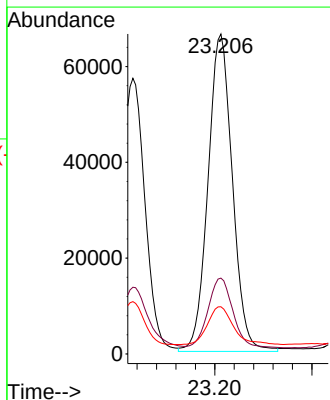
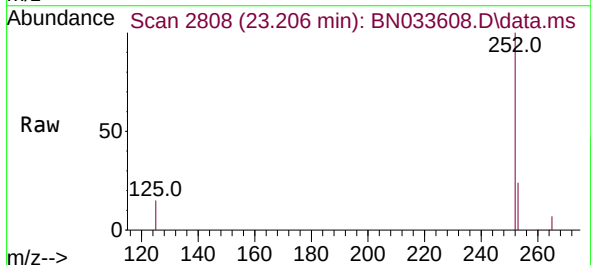
Manual Integrations
APPROVED

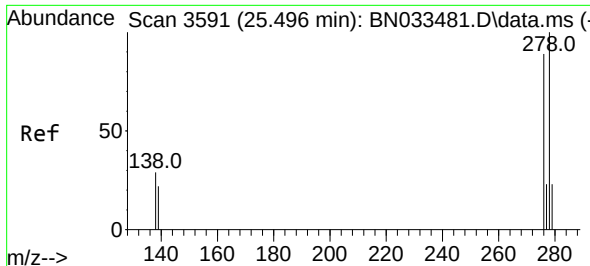
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#39
Benzo(a)pyrene
Concen: 1.961 ng m
RT: 23.206 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

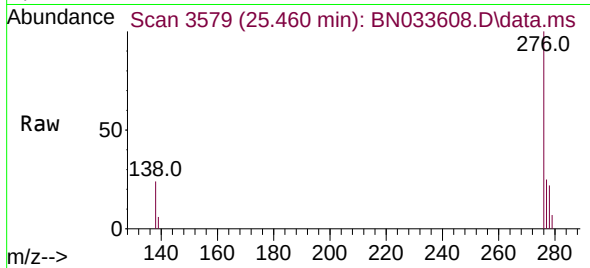
Tgt Ion:252 Resp: 115607
Ion Ratio Lower Upper
252 100
253 23.7 21.5 32.3
125 14.7 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.346 ng
RT: 25.460 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

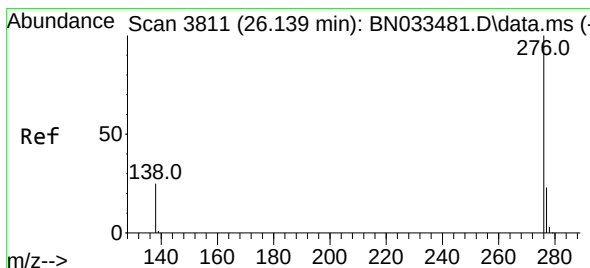
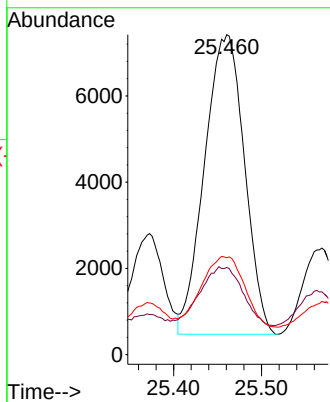
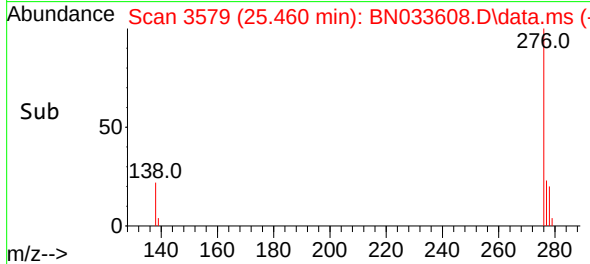
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524DL



Tgt Ion:278 Resp: 21904
Ion Ratio Lower Upper
278 100
139 27.3 19.1 28.7
279 30.3 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: 1.535 ng
RT: 26.107 min Scan# 3800
Delta R.T. 0.003 min
Lab File: BN033608.D
Acq: 24 Aug 2024 02:56

Tgt Ion:276 Resp: 103938
Ion Ratio Lower Upper
276 100
277 24.5 19.7 29.5
138 25.0 21.8 32.6

