

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033553.D
 Acq On : 22 Aug 2024 15:18
 Operator : MA/JU
 Sample : P3660-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-906-J-0.5-1-081624

Quant Time: Aug 22 16:52:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7406	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	19324	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9575	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	20037	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	18331	0.400	ng	0.00
35) Perylene-d12	23.309	264	19415	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4731	0.201	ng	0.00
5) Phenol-d6	6.729	99	5723	0.204	ng	-0.01
8) Nitrobenzene-d5	8.681	82	3722	0.232	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	5582	0.202	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	1003	0.195	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	7313	0.187	ng	-0.01
27) Fluoranthene-d10	18.970	212	8346	0.173	ng	-0.01
31) Terphenyl-d14	19.588	244	5243	0.126	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	1860	0.036	ng	# 87
12) 2-Methylnaphthalene	11.975	142	1794	0.055	ng	# 94
16) Acenaphthylene	13.900	152	1909	0.045	ng	# 92
17) Acenaphthene	14.242	154	11835	0.401	ng	98
18) Fluorene	15.236	166	8393	0.225	ng	95
25) Phenanthrene	16.967	178	132035	2.369	ng	100
26) Anthracene	17.066	178	30197	0.612	ng	# 95
28) Fluoranthene	19.003	202	244124	3.963	ng	100
30) Pyrene	19.365	202	213631	2.611	ng	# 93
32) Benzo(a)anthracene	21.121	228	110468	1.667	ng	98
33) Chrysene	21.175	228	106389	1.615	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	4132m	0.098	ng	
36) Indeno(1,2,3-cd)pyrene	25.458	276	68441	0.849	ng	95
37) Benzo(b)fluoranthene	22.668	252	141985	1.958	ng	# 95
38) Benzo(k)fluoranthene	22.706	252	55208m	0.774	ng	
39) Benzo(a)pyrene	23.215	252	101947m	1.699	ng	
40) Dibenzo(a,h)anthracene	25.469	278	16246	0.252	ng	# 92
41) Benzo(g,h,i)perylene	26.115	276	69643	1.010	ng	99

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

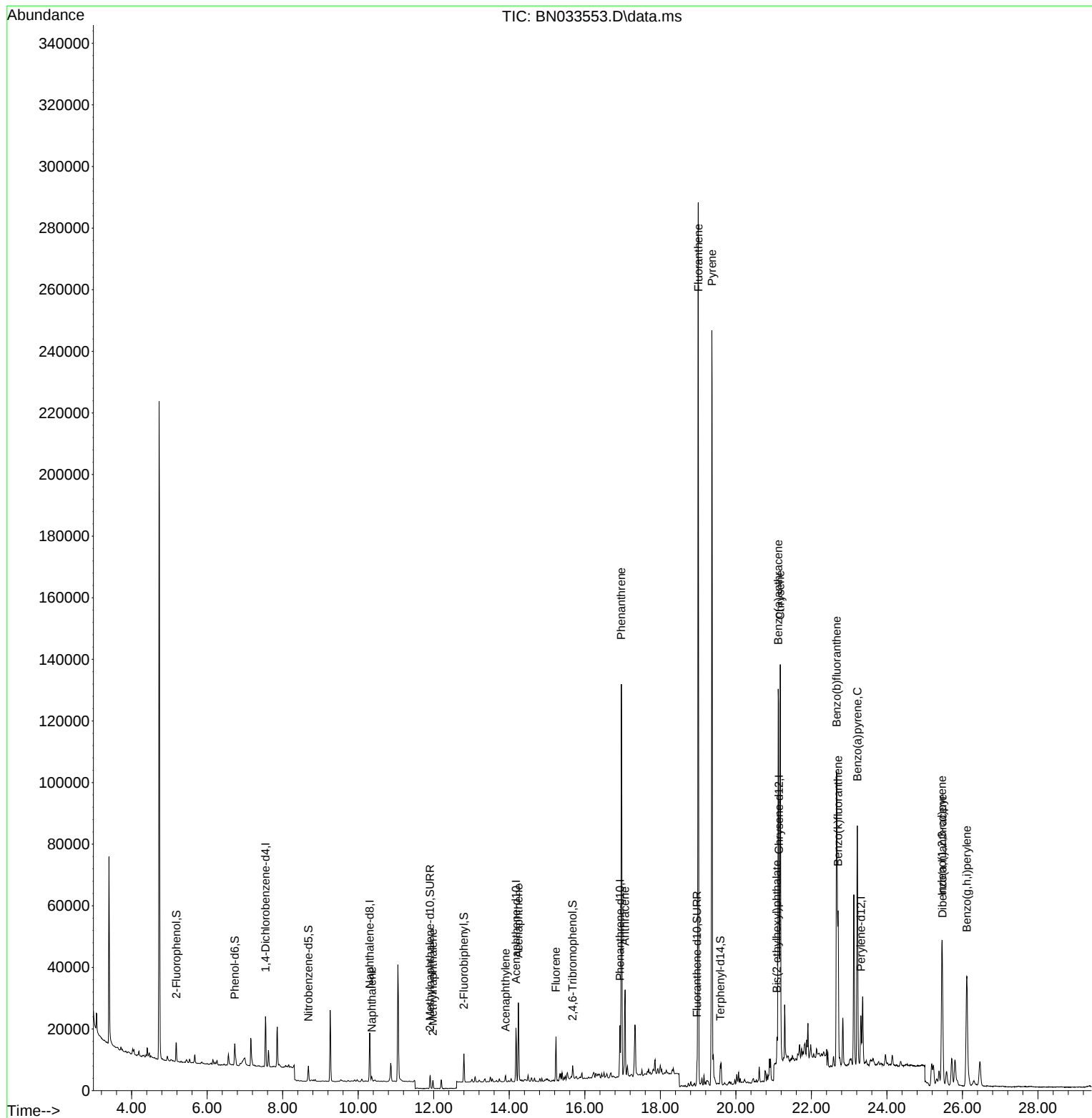
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033553.D
Acq On : 22 Aug 2024 15:18
Operator : MA/JU
Sample : P3660-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

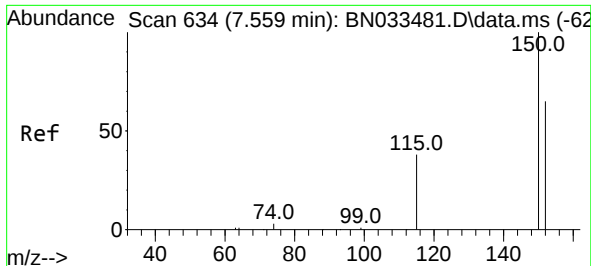
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624

Quant Time: Aug 22 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
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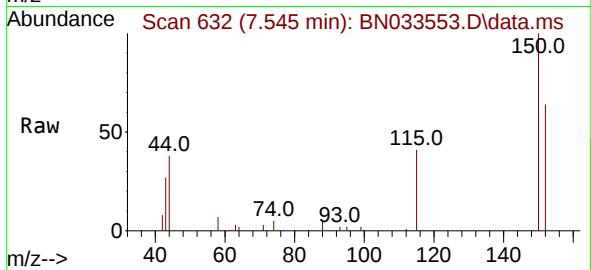
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

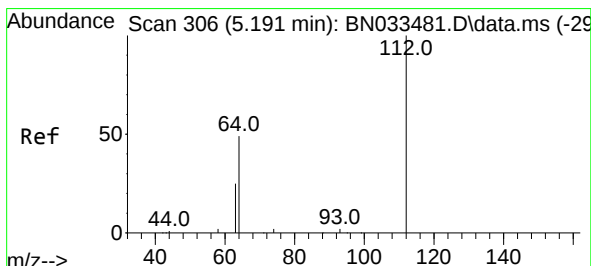
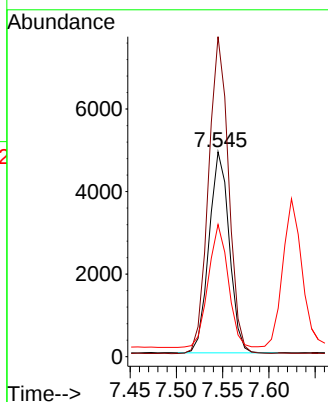
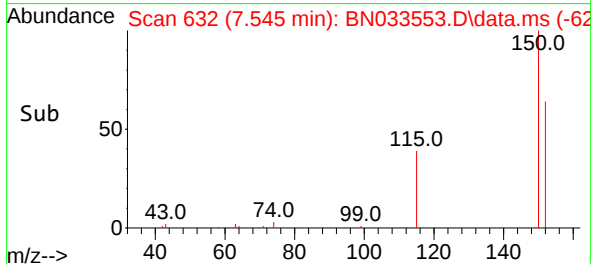
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:152 Resp: 7400
Ion Ratio Lower Upper
152 100
150 156.3 122.2 183.2
115 64.5 47.2 70.8

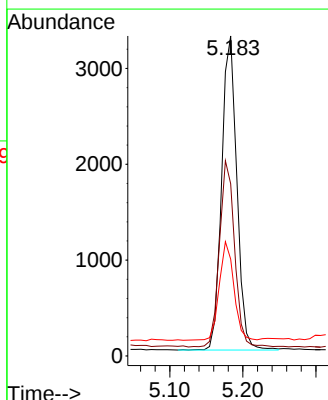
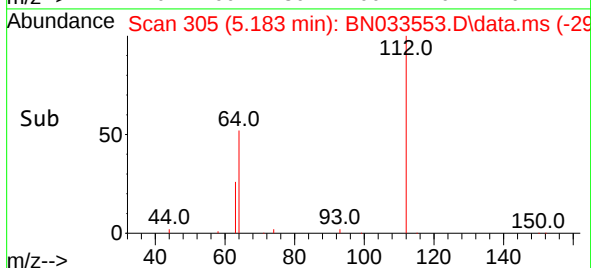
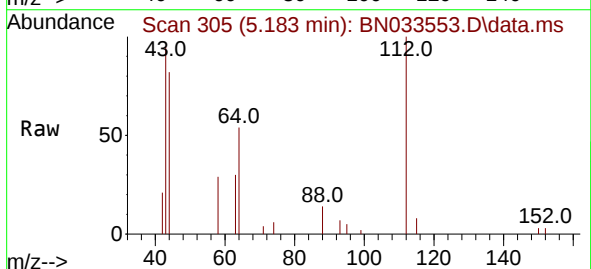
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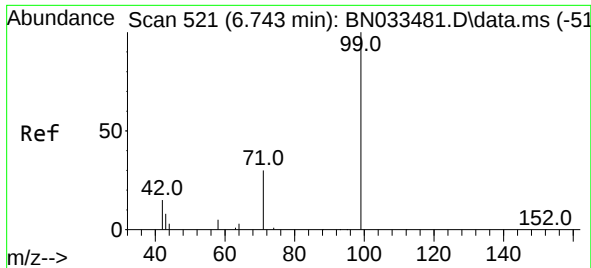
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.201 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

Tgt Ion:112 Resp: 4731
Ion Ratio Lower Upper
112 100
64 58.6 47.1 70.7
63 30.1 24.9 37.3





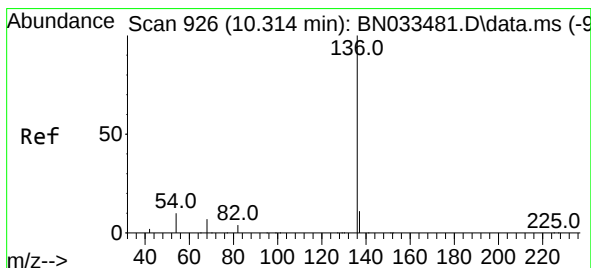
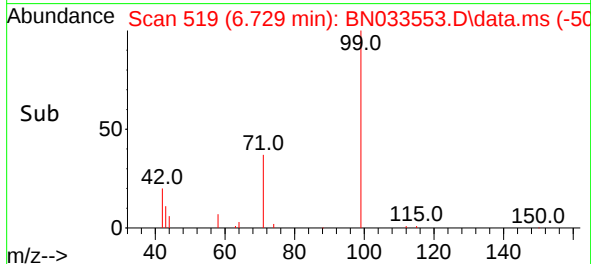
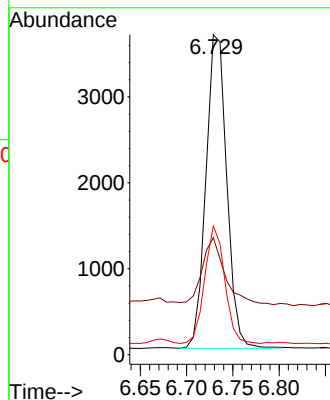
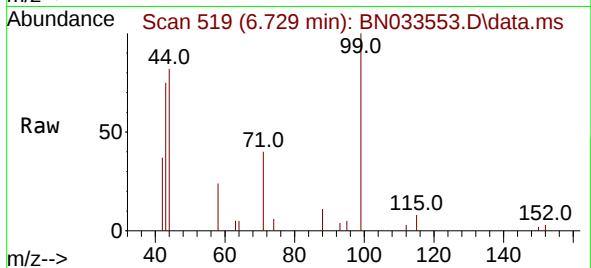
#5
Phenol-d6
Concen: 0.204 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.014 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624

Tgt Ion: 99 Resp: 572
Ion Ratio Lower Upper
99 100
42 23.2 16.6 24.8
71 35.9 26.2 39.4

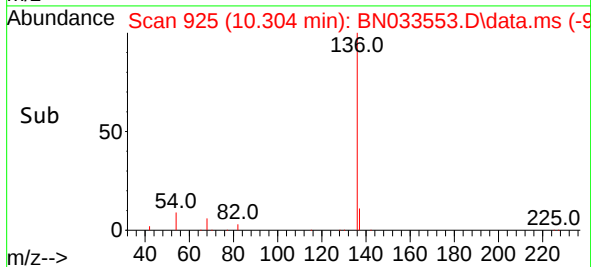
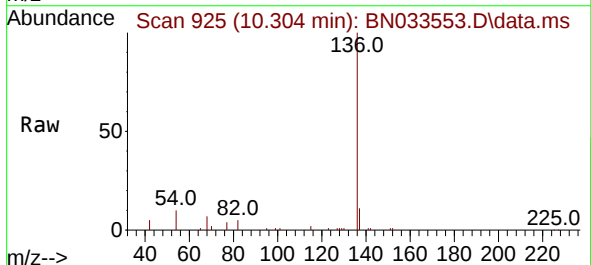
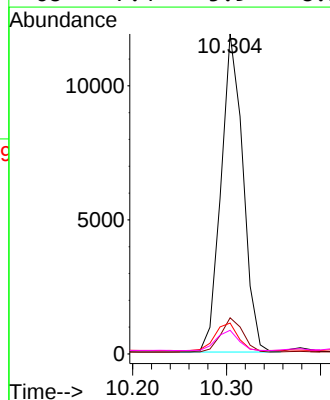
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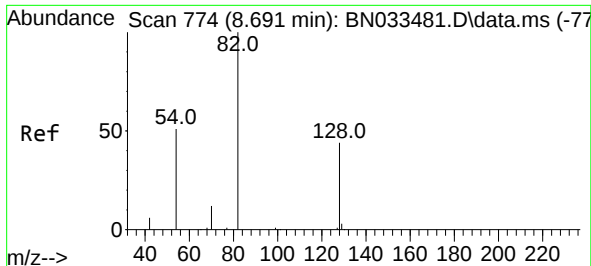
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

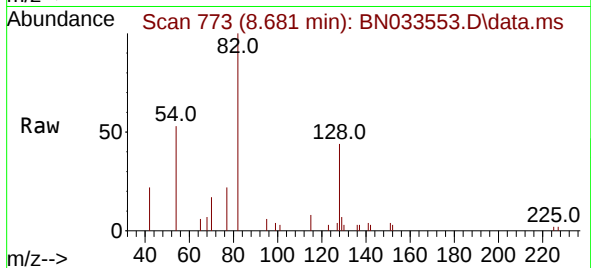
Tgt Ion:136 Resp: 19324
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.7 8.3 12.5
68 7.4 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.232 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

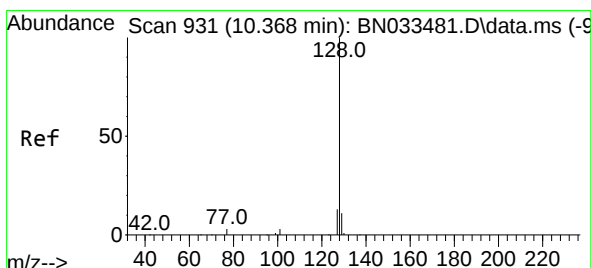
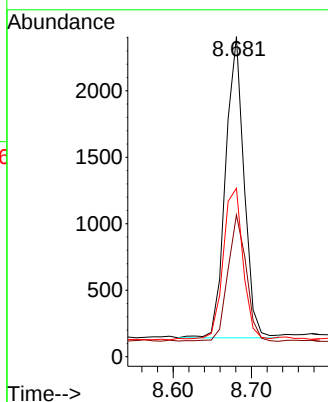
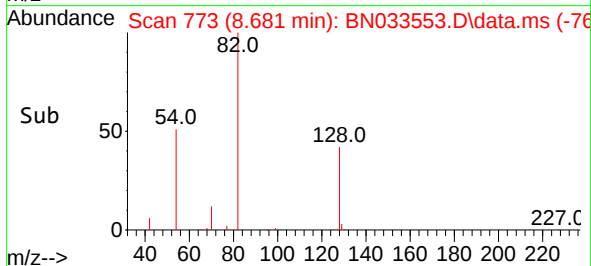
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion: 82 Resp: 372
Ion Ratio Lower Upper
82 100
128 44.3 36.0 54.0
54 52.6 42.0 63.0

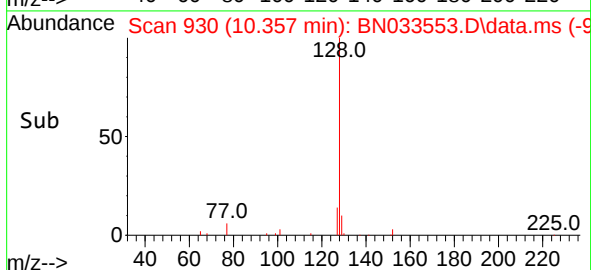
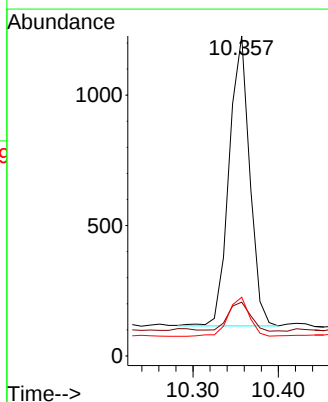
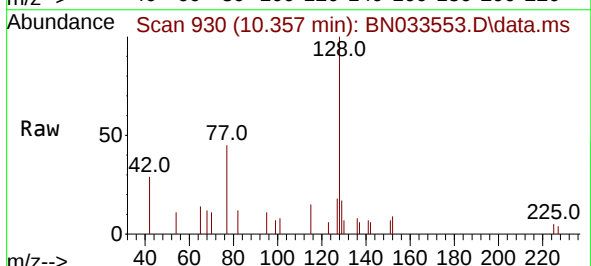
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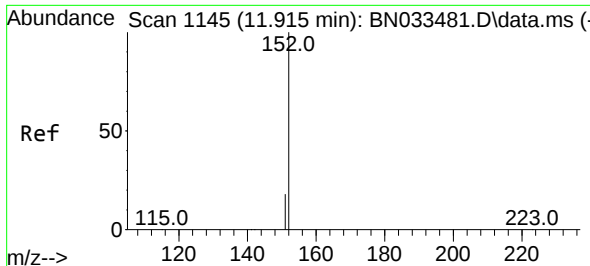
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#9
Naphthalene
Concen: 0.036 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

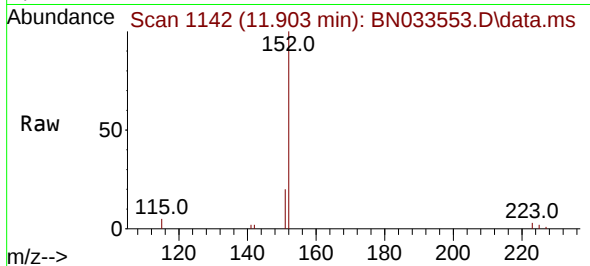
Tgt Ion:128 Resp: 1860
Ion Ratio Lower Upper
128 100
129 16.8 9.1 13.7#
127 18.3 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

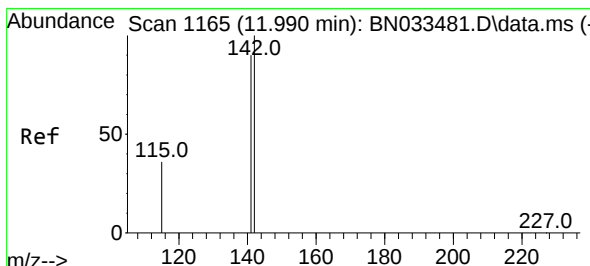
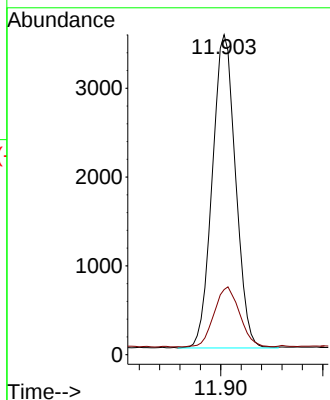
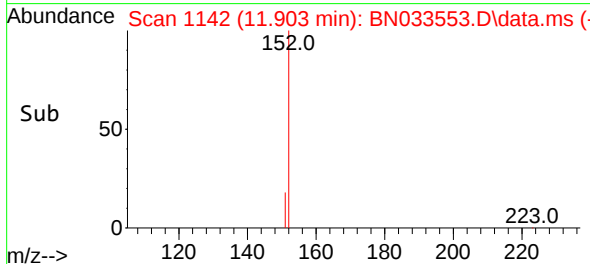
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:152 Resp: 558
Ion Ratio Lower Upper
152 100
151 20.9 16.6 25.0

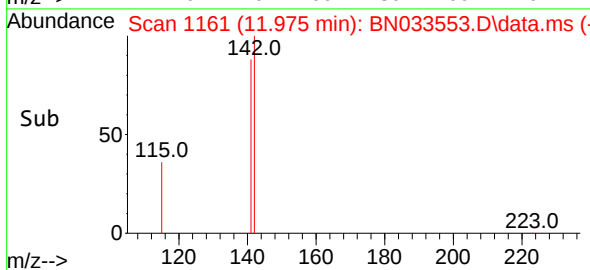
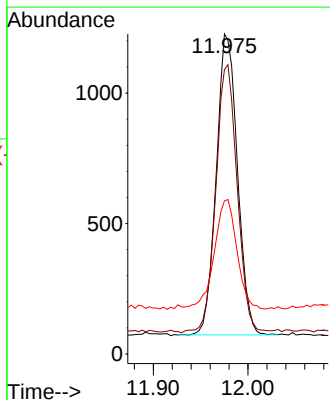
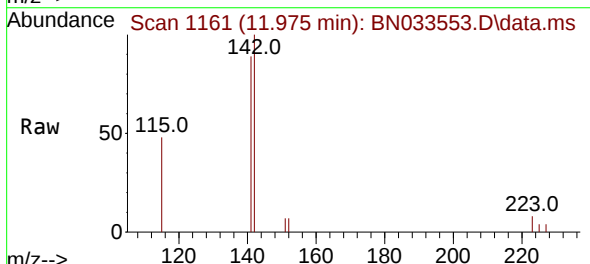
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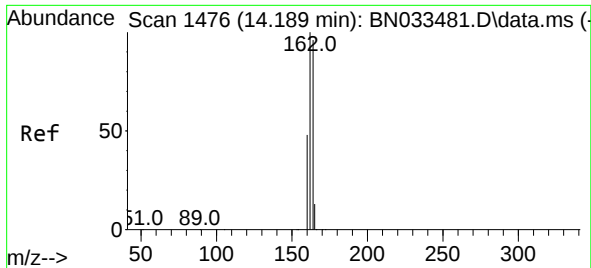
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#12
2-Methylnaphthalene
Concen: 0.055 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.015 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

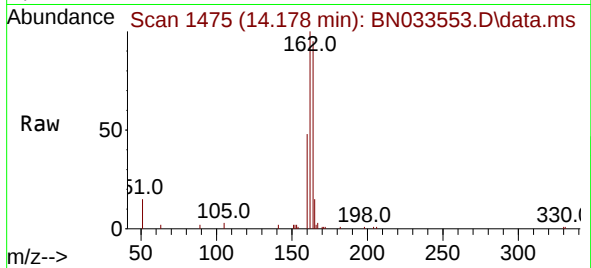
Tgt Ion:142 Resp: 1794
Ion Ratio Lower Upper
142 100
141 88.8 71.7 107.5
115 47.8 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

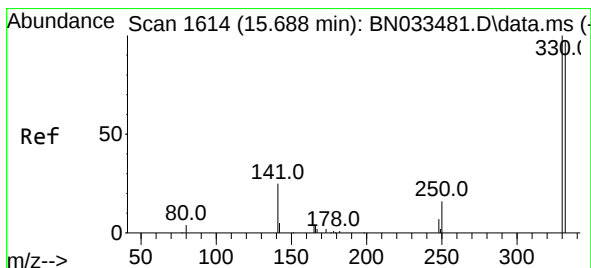
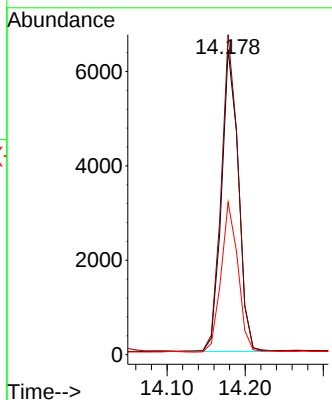
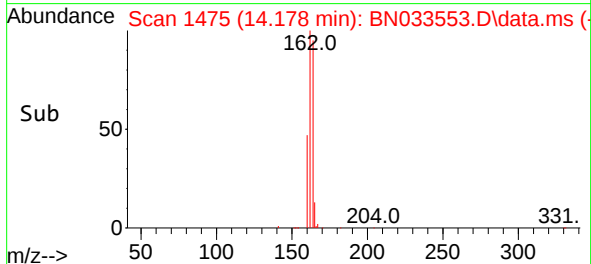
Instrument :
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ClientSampleId :
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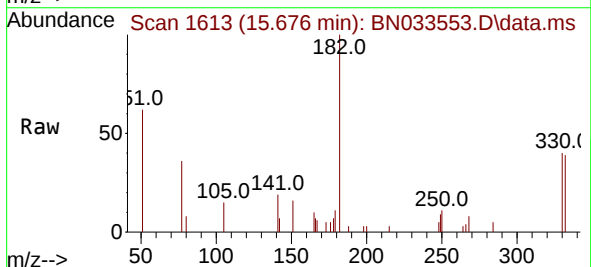
Tgt Ion:164 Resp: 957
Ion Ratio Lower Upper
164 100
162 104.9 83.5 125.3
160 50.0 40.2 60.4

Manual Integrations
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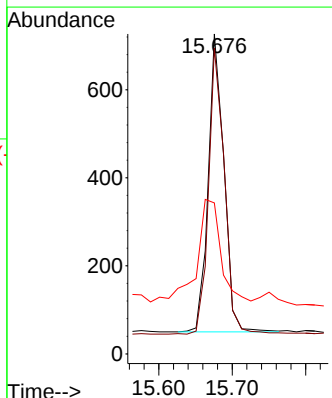
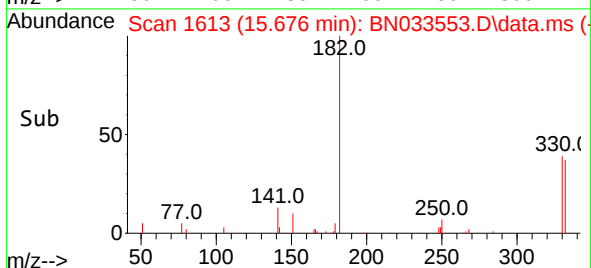
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

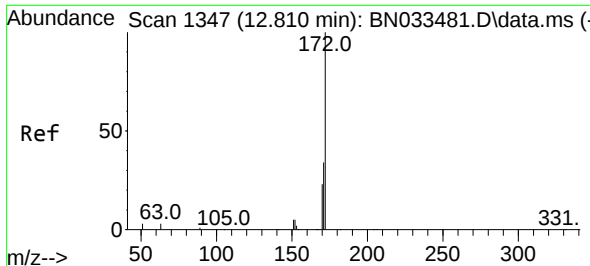


#14
2,4,6-Tribromophenol
Concen: 0.195 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18



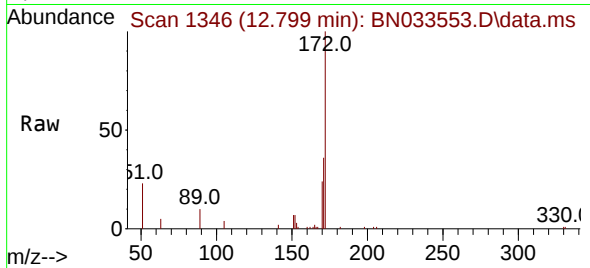
Tgt Ion:330 Resp: 1003
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 49.3 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

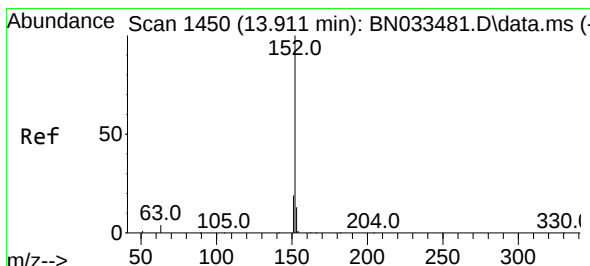
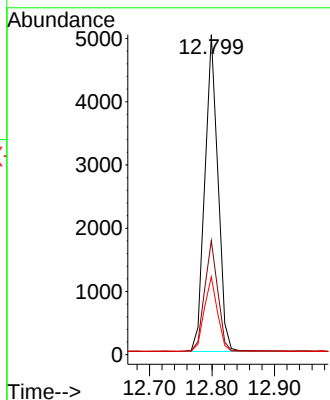
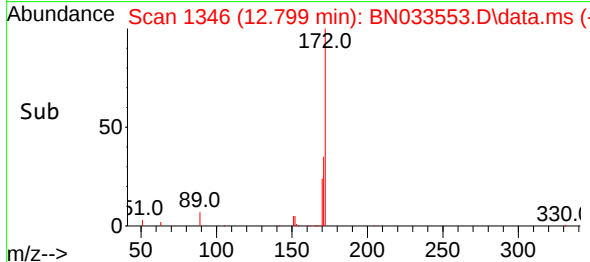
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:172 Resp: 731
Ion Ratio Lower Upper
172 100
171 35.6 27.7 41.5
170 24.4 18.3 27.5

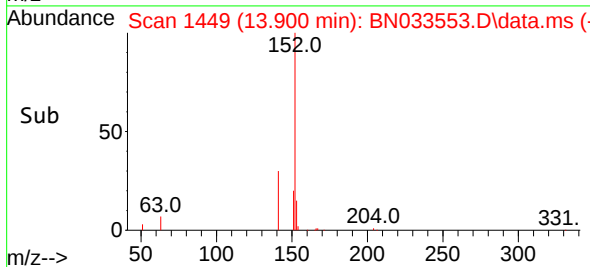
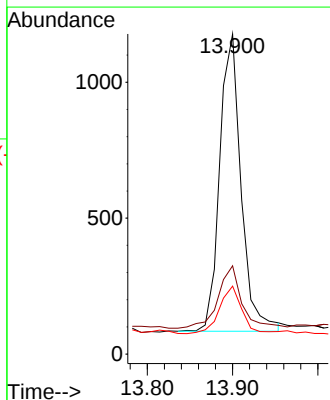
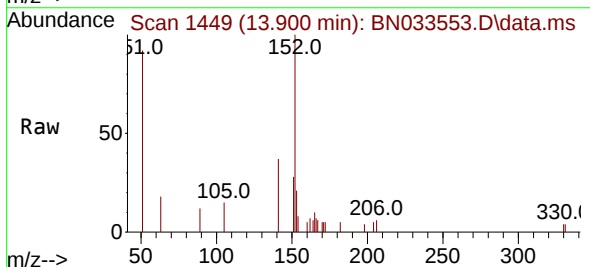
Manual Integrations
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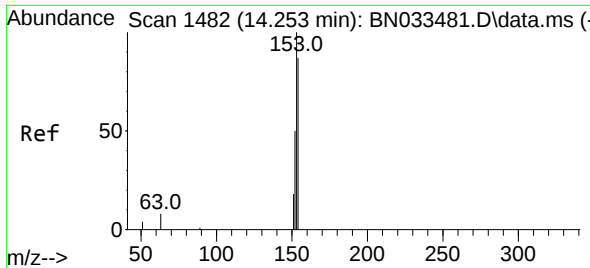
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.045 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

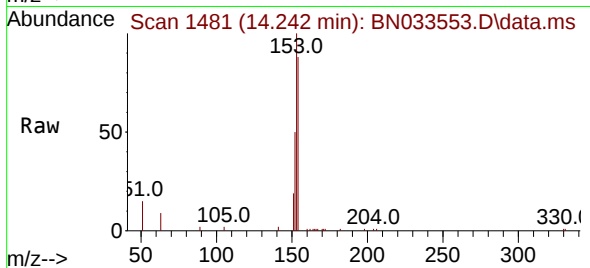
Tgt Ion:152 Resp: 1909
Ion Ratio Lower Upper
152 100
151 23.1 15.7 23.5
153 16.7 10.3 15.5#





#17
Acenaphthene
Concen: 0.401 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

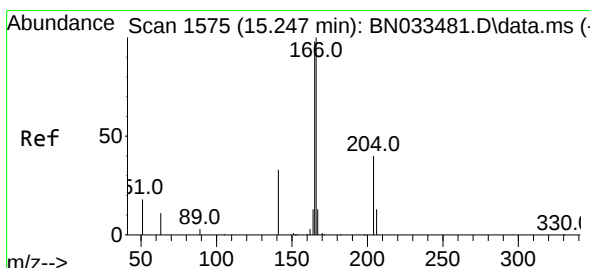
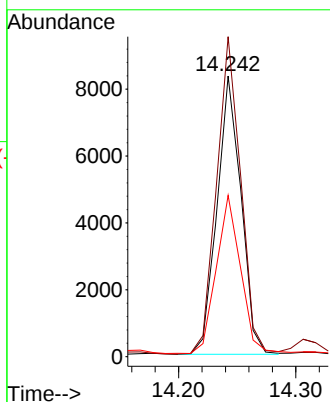
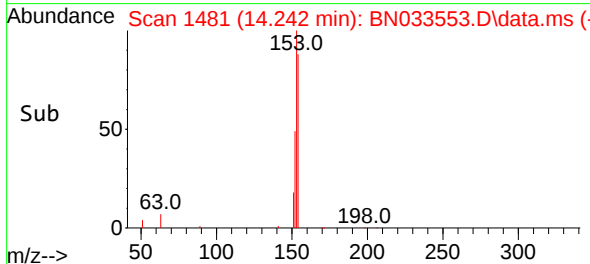
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:154 Resp: 1183
Ion Ratio Lower Upper
154 100
153 114.5 89.0 133.6
152 57.3 45.2 67.8

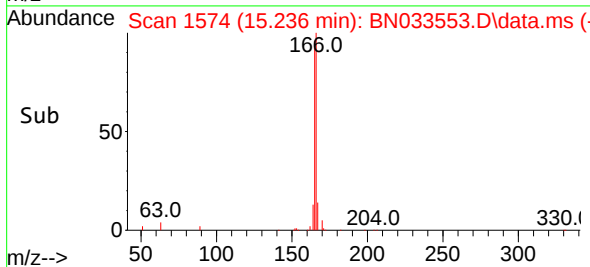
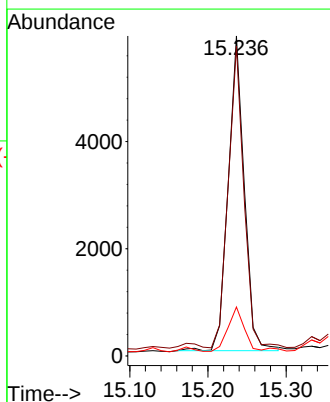
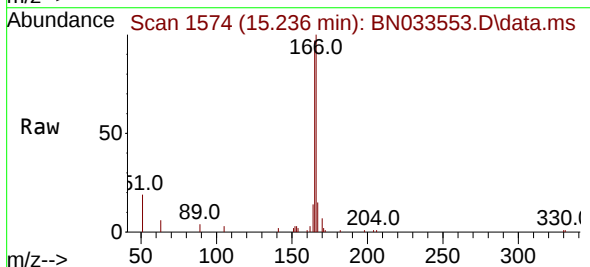
Manual Integrations
APPROVED

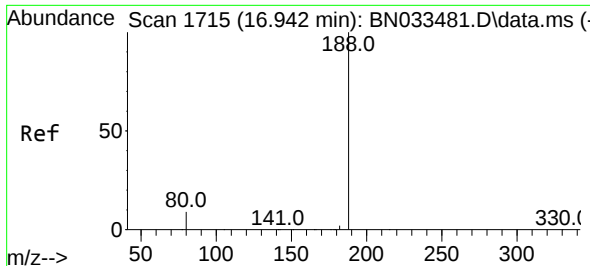
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#18
Fluorene
Concen: 0.225 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

Tgt Ion:166 Resp: 8393
Ion Ratio Lower Upper
166 100
165 92.5 78.2 117.4
167 14.2 10.6 16.0





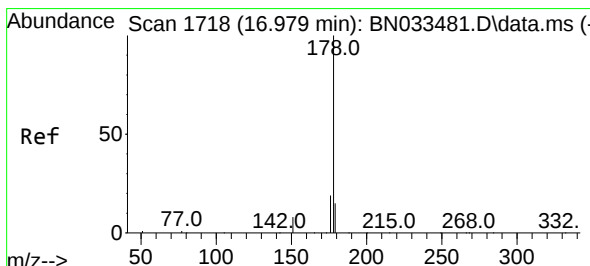
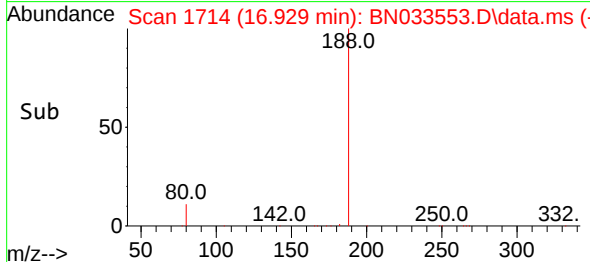
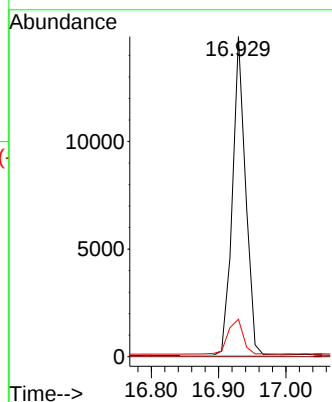
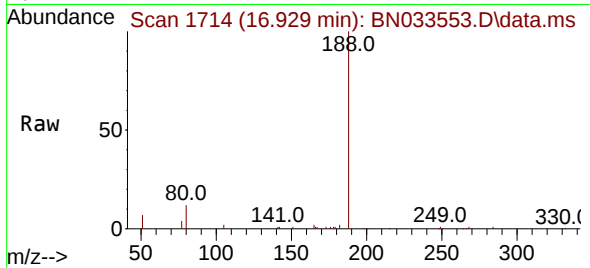
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624

Tgt Ion:188 Resp: 2003
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 7.8 11.8

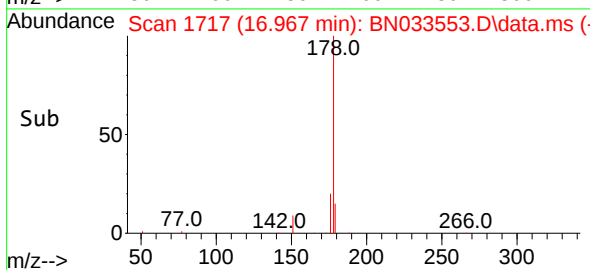
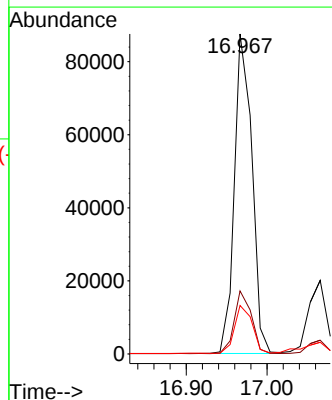
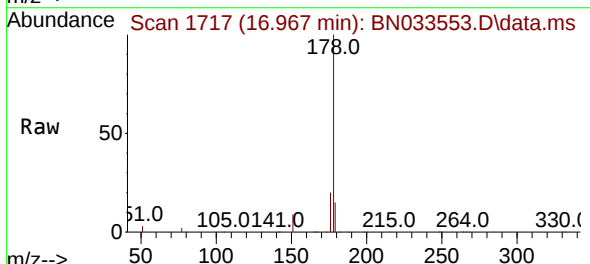
Manual Integrations
APPROVED

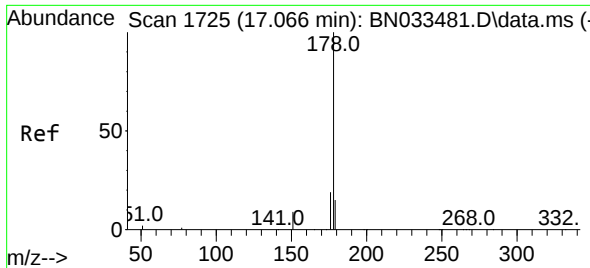
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 2.369 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

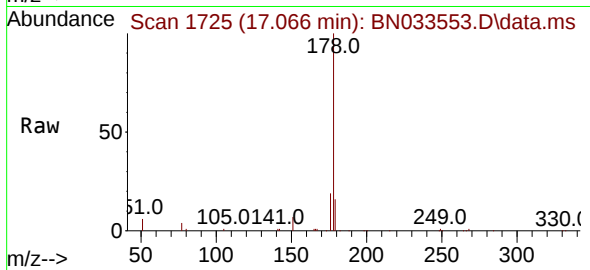
Tgt Ion:178 Resp: 132035
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.3 18.5





#26
 Anthracene
 Concen: 0.612 ng
 RT: 17.066 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN033553.D
 Acq: 22 Aug 2024 15:18

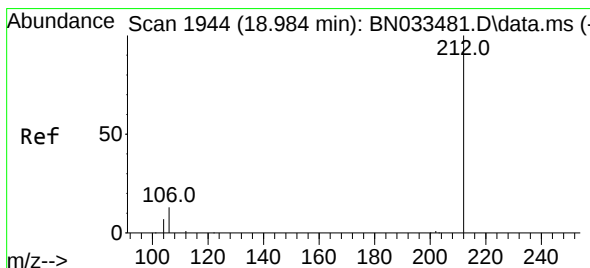
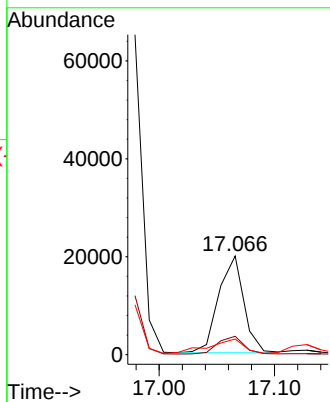
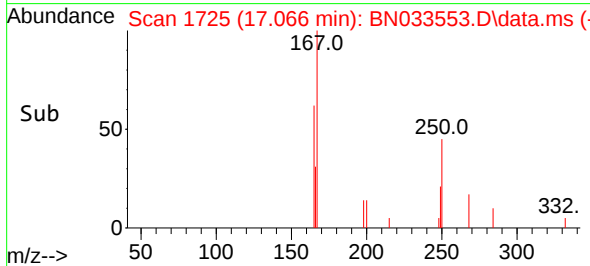
Instrument :
 BNA_N
 ClientSampleId :
 S-906-J-0.5-1-081624



Tgt Ion:178 Resp: 3019
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 19.9 12.4 18.6

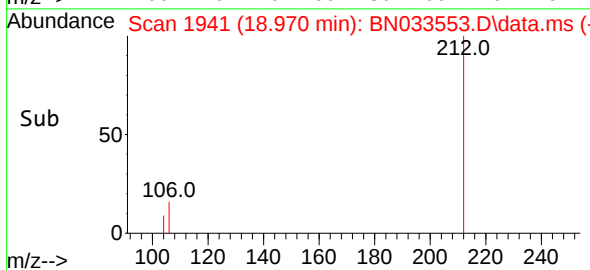
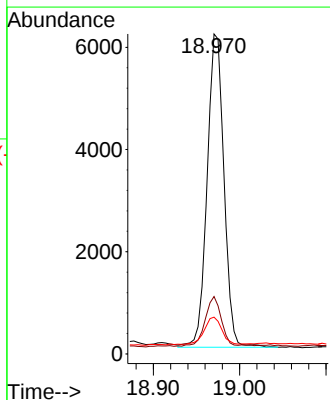
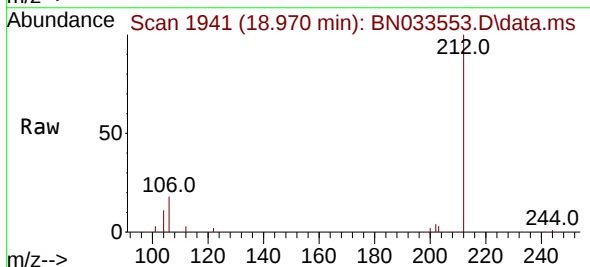
Manual Integrations
 APPROVED

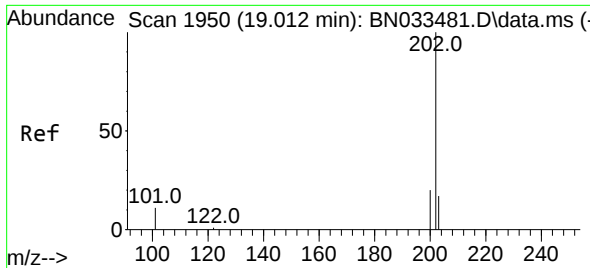
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.173 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.014 min
 Lab File: BN033553.D
 Acq: 22 Aug 2024 15:18

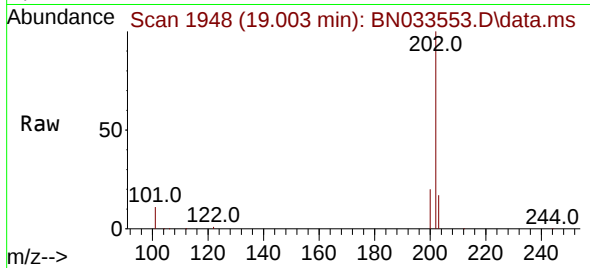
Tgt Ion:212 Resp: 8346
 Ion Ratio Lower Upper
 212 100
 106 15.2 12.3 18.5
 104 9.8 7.0 10.4





#28
Fluoranthene
Concen: 3.963 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

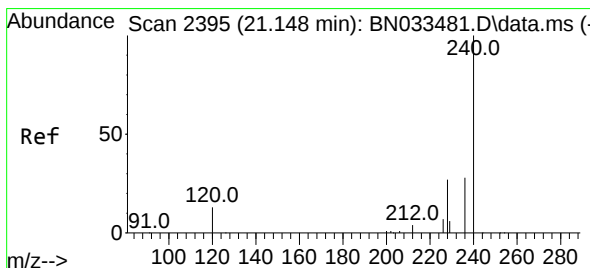
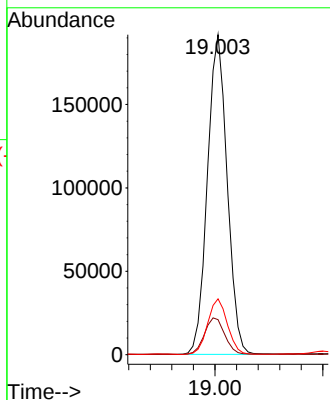
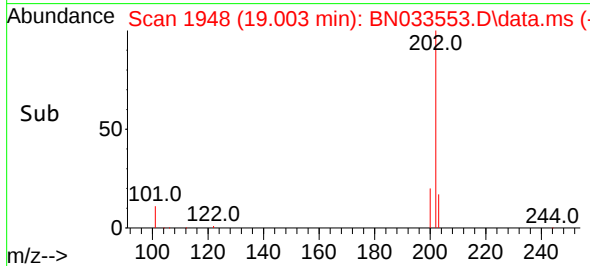
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:202 Resp: 244124
Ion Ratio Lower Upper
202 100
101 11.9 9.5 14.3
203 17.3 13.8 20.6

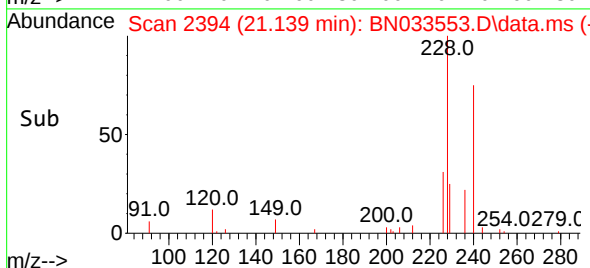
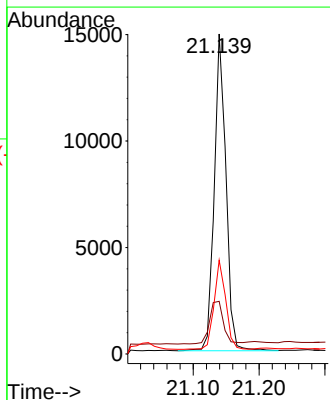
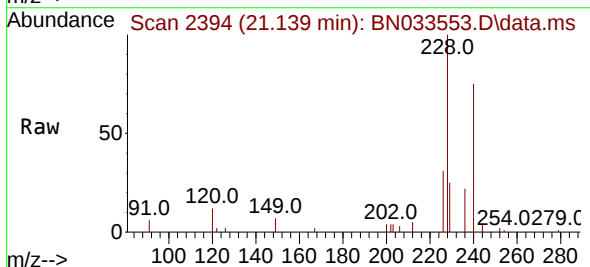
Manual Integrations
APPROVED

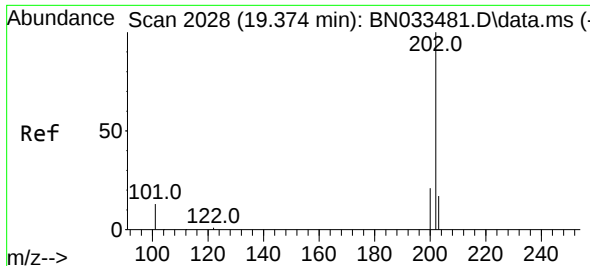
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

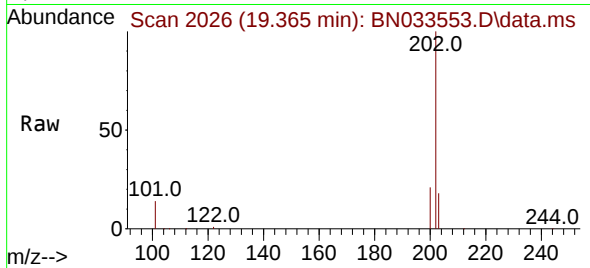
Tgt Ion:240 Resp: 18331
Ion Ratio Lower Upper
240 100
120 16.5 12.4 18.6
236 29.3 23.0 34.6





#30
Pyrene
Concen: 2.611 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.009 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

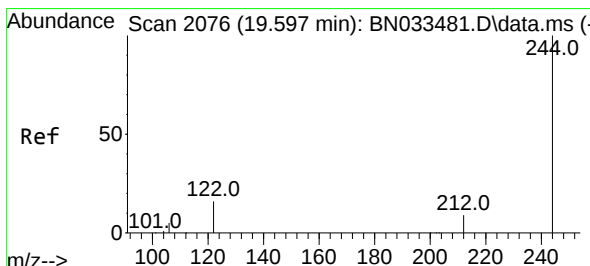
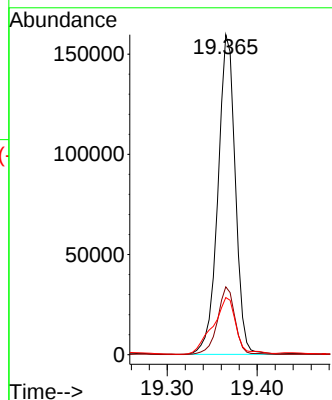
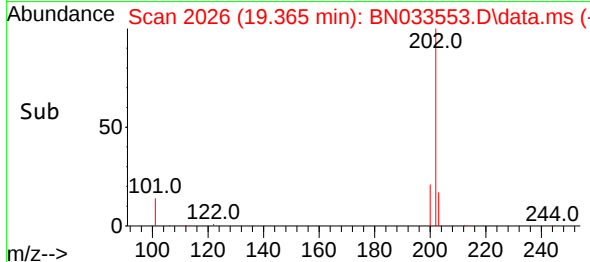
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:202 Resp: 21363
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 23.5 14.2 21.4

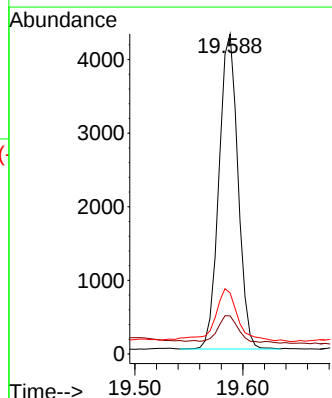
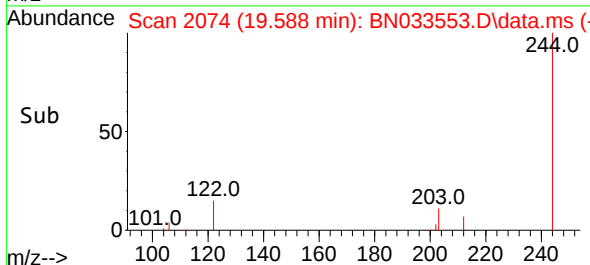
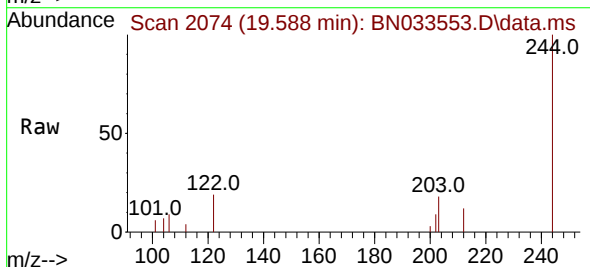
Manual Integrations
APPROVED

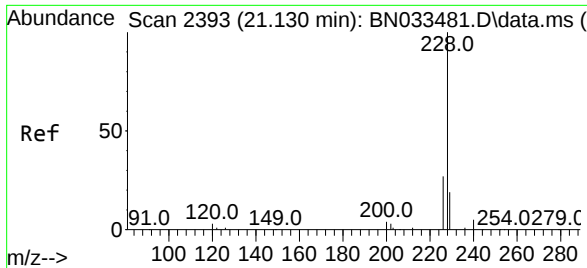
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.126 ng
RT: 19.588 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

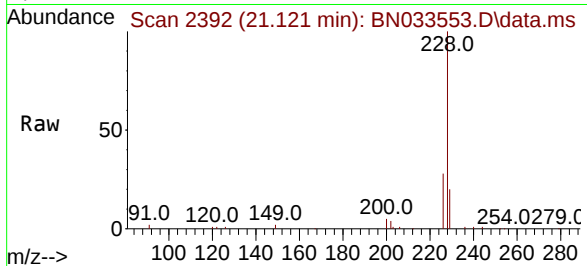
Tgt Ion:244 Resp: 5243
Ion Ratio Lower Upper
244 100
212 11.9 7.8 11.6#
122 19.0 13.3 19.9





#32
Benzo(a)anthracene
Concen: 1.667 ng
RT: 21.121 min Scan# 2112
Delta R.T. -0.009 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

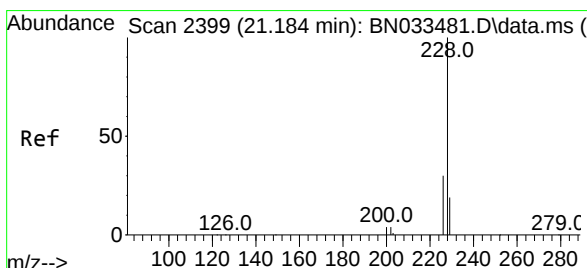
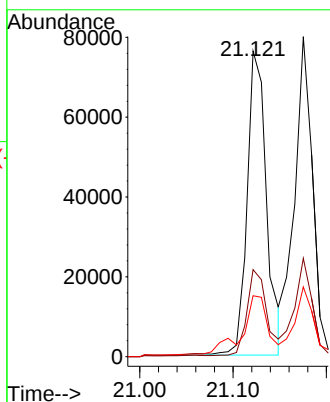
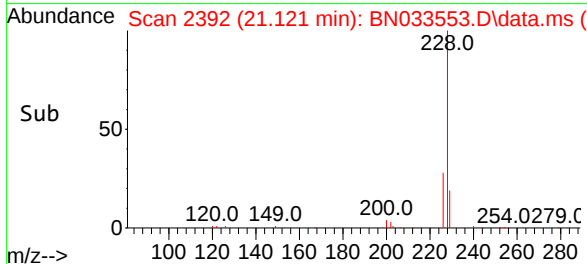
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:228 Resp: 110468
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.6
229 19.9 15.8 23.6

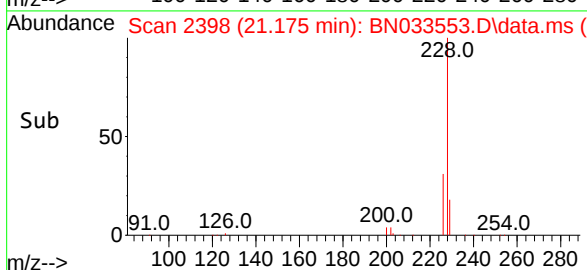
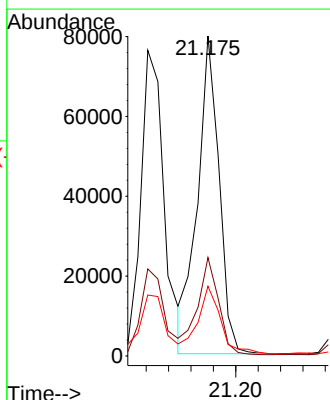
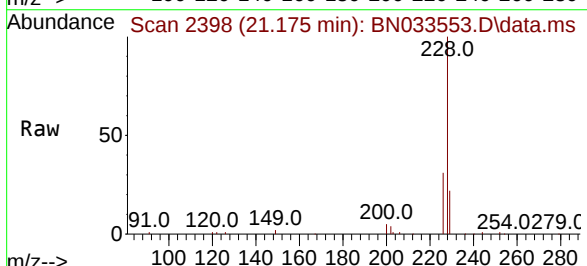
Manual Integrations
APPROVED

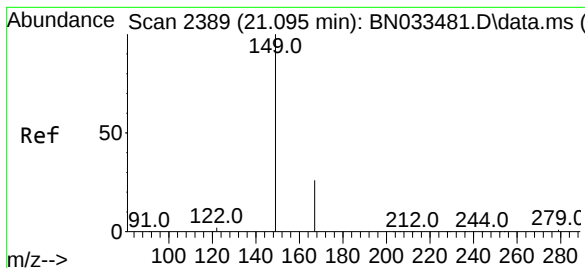
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 1.615 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

Tgt Ion:228 Resp: 106389
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.8
229 21.8 15.6 23.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.098 ng m

RT: 21.086 min Scan# 2108

Delta R.T. -0.009 min

Lab File: BN033553.D

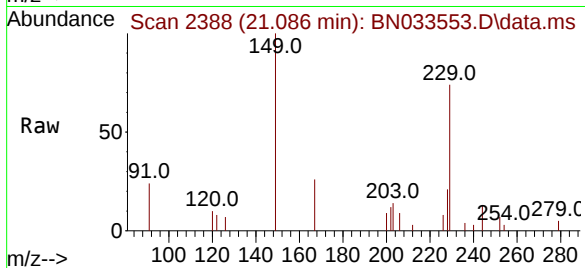
Acq: 22 Aug 2024 15:18

Instrument :

BNA_N

ClientSampleId :

S-906-J-0.5-1-081624



Tgt Ion:149 Resp: 413

Ion Ratio Lower Upper

149 100

167 81.4 21.5 32.3

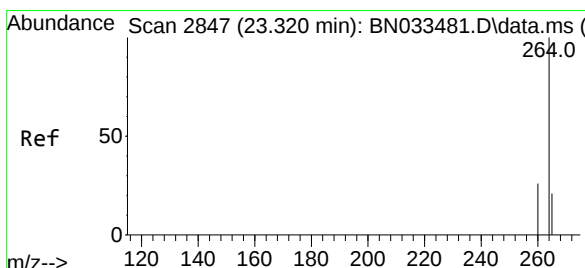
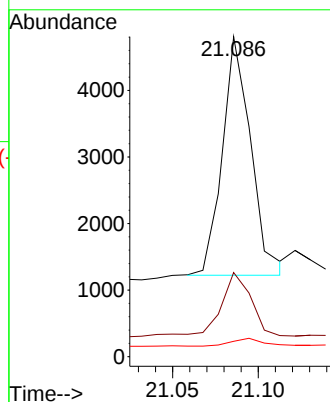
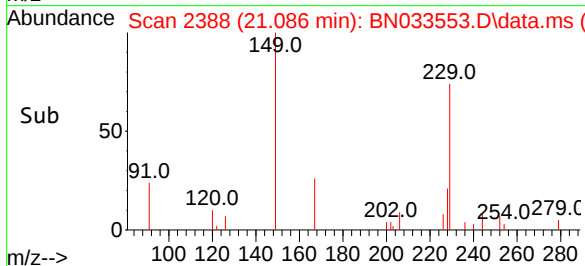
279 7.0 2.2 3.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.309 min Scan# 2843

Delta R.T. -0.012 min

Lab File: BN033553.D

Acq: 22 Aug 2024 15:18

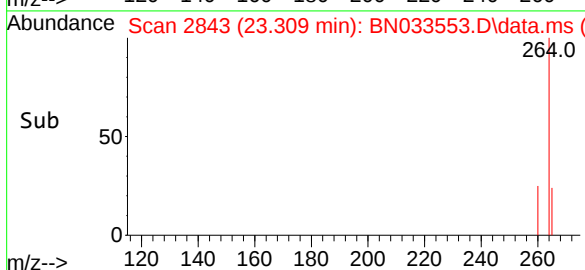
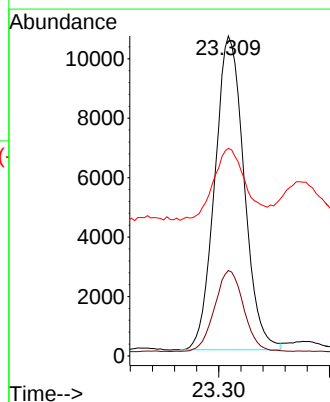
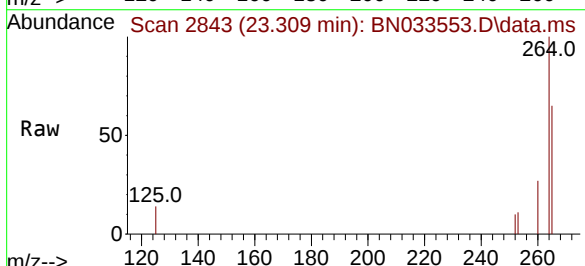
Tgt Ion:264 Resp: 19415

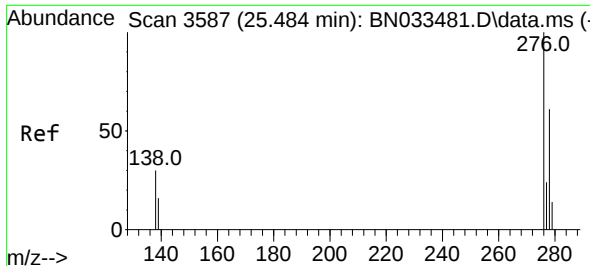
Ion Ratio Lower Upper

264 100

260 26.7 20.8 31.2

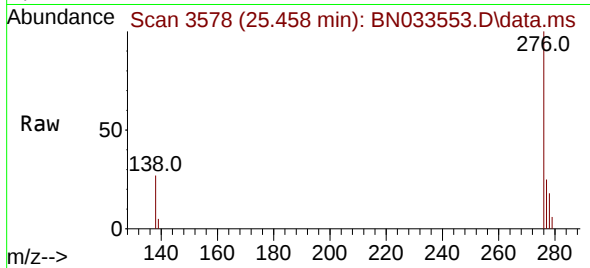
265 64.9 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.849 ng
RT: 25.458 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

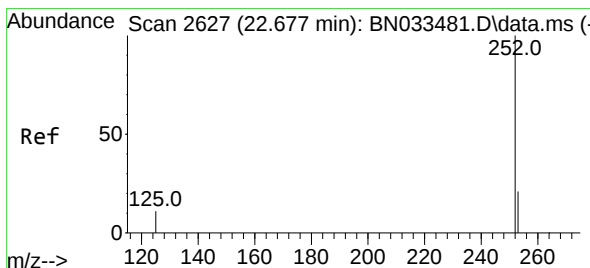
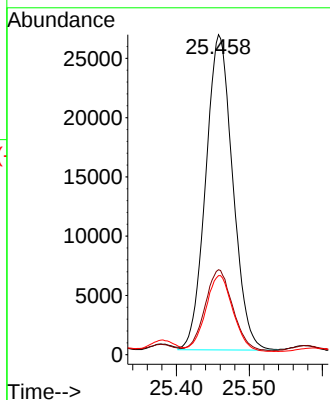
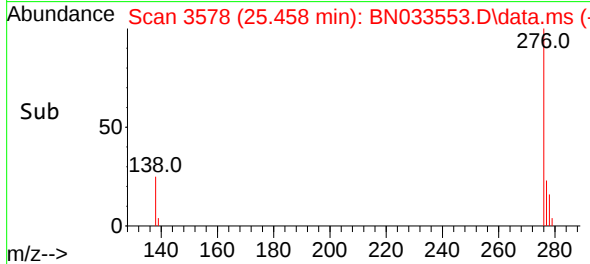
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:276 Resp: 6844
Ion Ratio Lower Upper
276 100
138 26.0 24.4 36.6
277 24.5 19.8 29.6

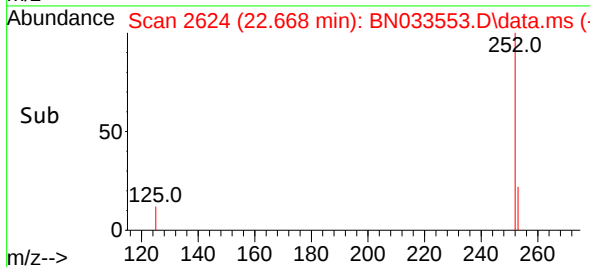
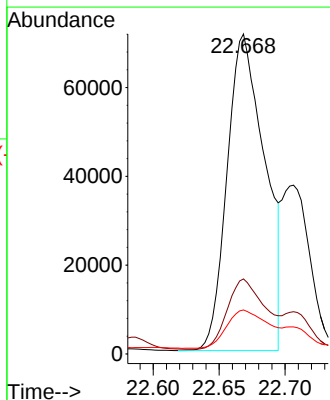
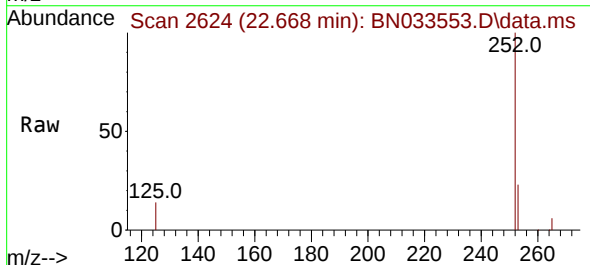
Manual Integrations
APPROVED

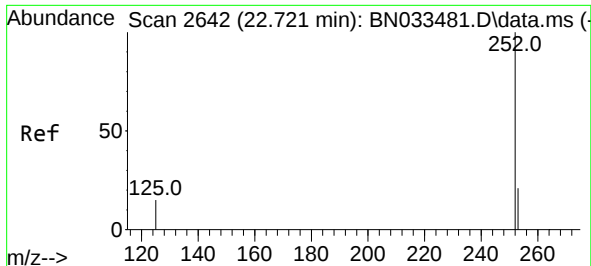
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 1.958 ng
RT: 22.668 min Scan# 2624
Delta R.T. -0.009 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

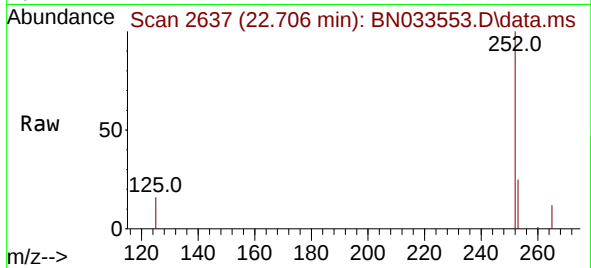
Tgt Ion:252 Resp: 141985
Ion Ratio Lower Upper
252 100
253 23.4 19.8 29.8
125 13.7 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 0.774 ng m
RT: 22.706 min Scan# 2637
Delta R.T. -0.015 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

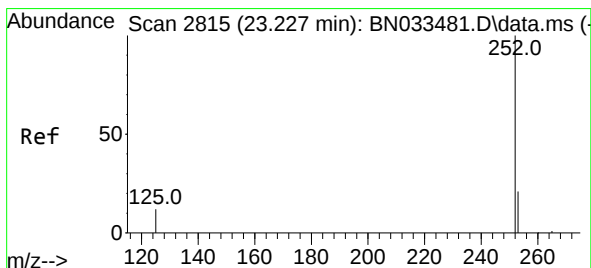
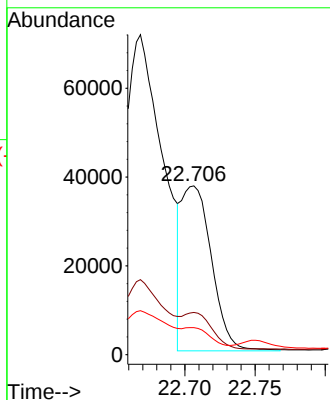
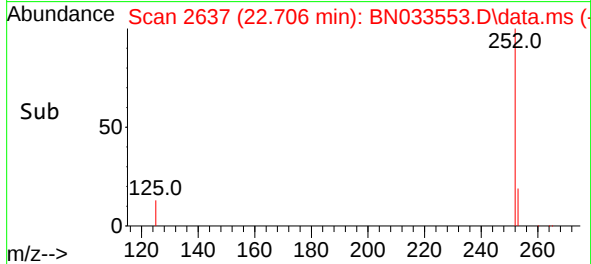
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:252 Resp: 55208
Ion Ratio Lower Upper
252 100
253 25.0 19.8 29.8
125 16.0 15.8 23.8

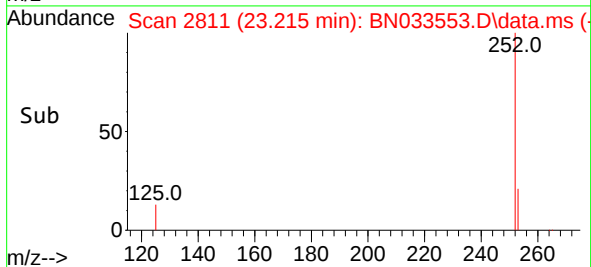
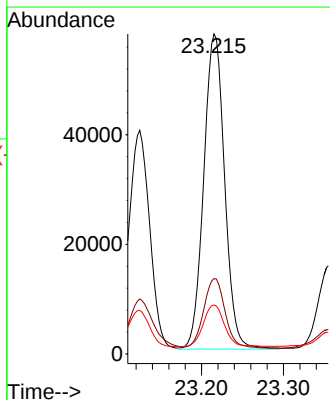
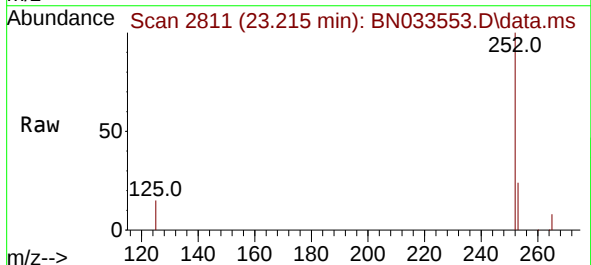
Manual Integrations
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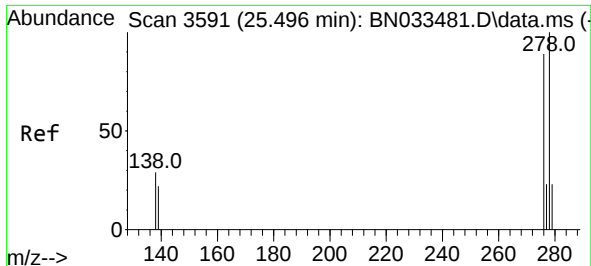
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 1.699 ng m
RT: 23.215 min Scan# 2811
Delta R.T. -0.012 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

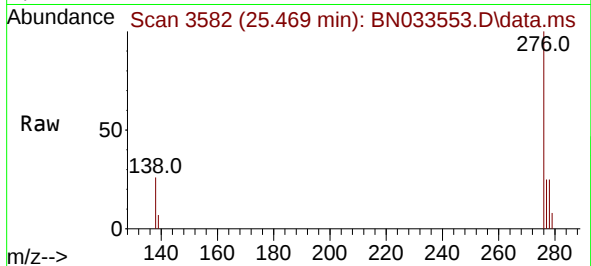
Tgt Ion:252 Resp: 101947
Ion Ratio Lower Upper
252 100
253 23.5 21.5 32.3
125 15.3 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.252 ng
RT: 25.469 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

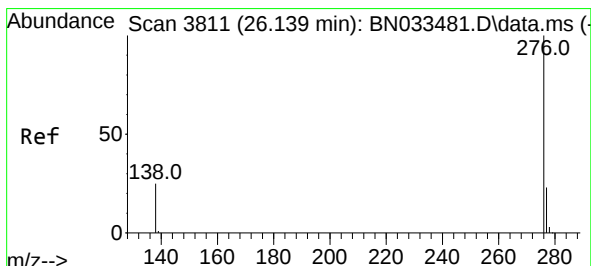
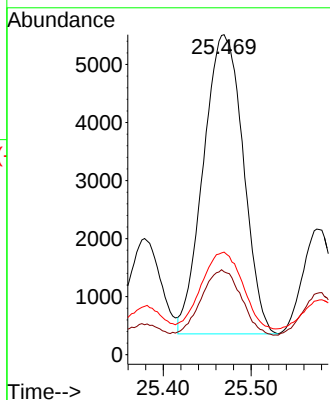
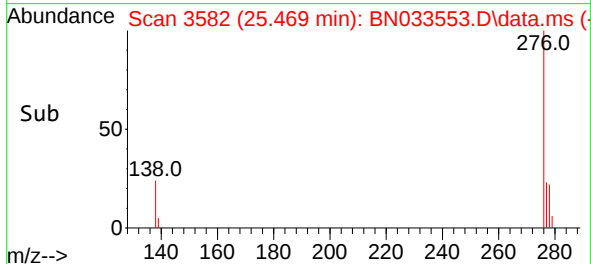
Instrument :
BNA_N
ClientSampleId :
S-906-J-0.5-1-081624



Tgt Ion:278 Resp: 16240
Ion Ratio Lower Upper
278 100
139 25.9 19.1 28.7
279 32.0 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 1.010 ng
RT: 26.115 min Scan# 3803
Delta R.T. -0.023 min
Lab File: BN033553.D
Acq: 22 Aug 2024 15:18

Tgt Ion:276 Resp: 69643
Ion Ratio Lower Upper
276 100
277 24.1 19.7 29.5
138 26.5 21.8 32.6

