

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033573.D
 Acq On : 23 Aug 2024 04:06
 Operator : MA/JU
 Sample : P3671-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-912-J-SO-0-0.5-081924

Manual Integrations
 APPROVED

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

Quant Time: Aug 23 04:30:39 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	7667	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	19731	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9704	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20199	0.400	ng	0.00
29) Chrysene-d12	21.139	240	18846	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	20277	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4771	0.196	ng	0.00
5) Phenol-d6	6.729	99	5767	0.199	ng	0.00
8) Nitrobenzene-d5	8.681	82	4486	0.274	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	5372	0.190	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1014	0.194	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6808	0.172	ng	0.00
27) Fluoranthene-d10	18.970	212	6323	0.130	ng	0.00
31) Terphenyl-d14	19.584	244	4160	0.097	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	6366	0.121	ng	96
12) 2-Methylnaphthalene	11.975	142	3903	0.117	ng	98
16) Acenaphthylene	13.900	152	4439	0.104	ng	98
17) Acenaphthene	14.242	154	1614	0.054	ng	# 90
18) Fluorene	15.236	166	2372	0.063	ng	# 99
25) Phenanthrene	16.967	178	54015	0.961	ng	99
26) Anthracene	17.066	178	8690	0.175	ng	# 95
28) Fluoranthene	18.998	202	125276	2.017	ng	100
30) Pyrene	19.365	202	110725	1.316	ng	# 95
32) Benzo(a)anthracene	21.122	228	52556	0.771	ng	96
33) Chrysene	21.166	228	64197	0.948	ng	97
34) Bis(2-ethylhexyl)phtha...	21.077	149	6610m	0.153	ng	
36) Indeno(1,2,3-cd)pyrene	25.446	276	41741	0.496	ng	95
37) Benzo(b)fluoranthene	22.660	252	89415	1.181	ng	98
38) Benzo(k)fluoranthene	22.698	252	30218m	0.405	ng	
39) Benzo(a)pyrene	23.206	252	55369	0.884	ng	94
40) Dibenzo(a,h)anthracene	25.458	278	9895	0.147	ng	# 83
41) Benzo(g,h,i)perylene	26.104	276	41549	0.577	ng	99

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

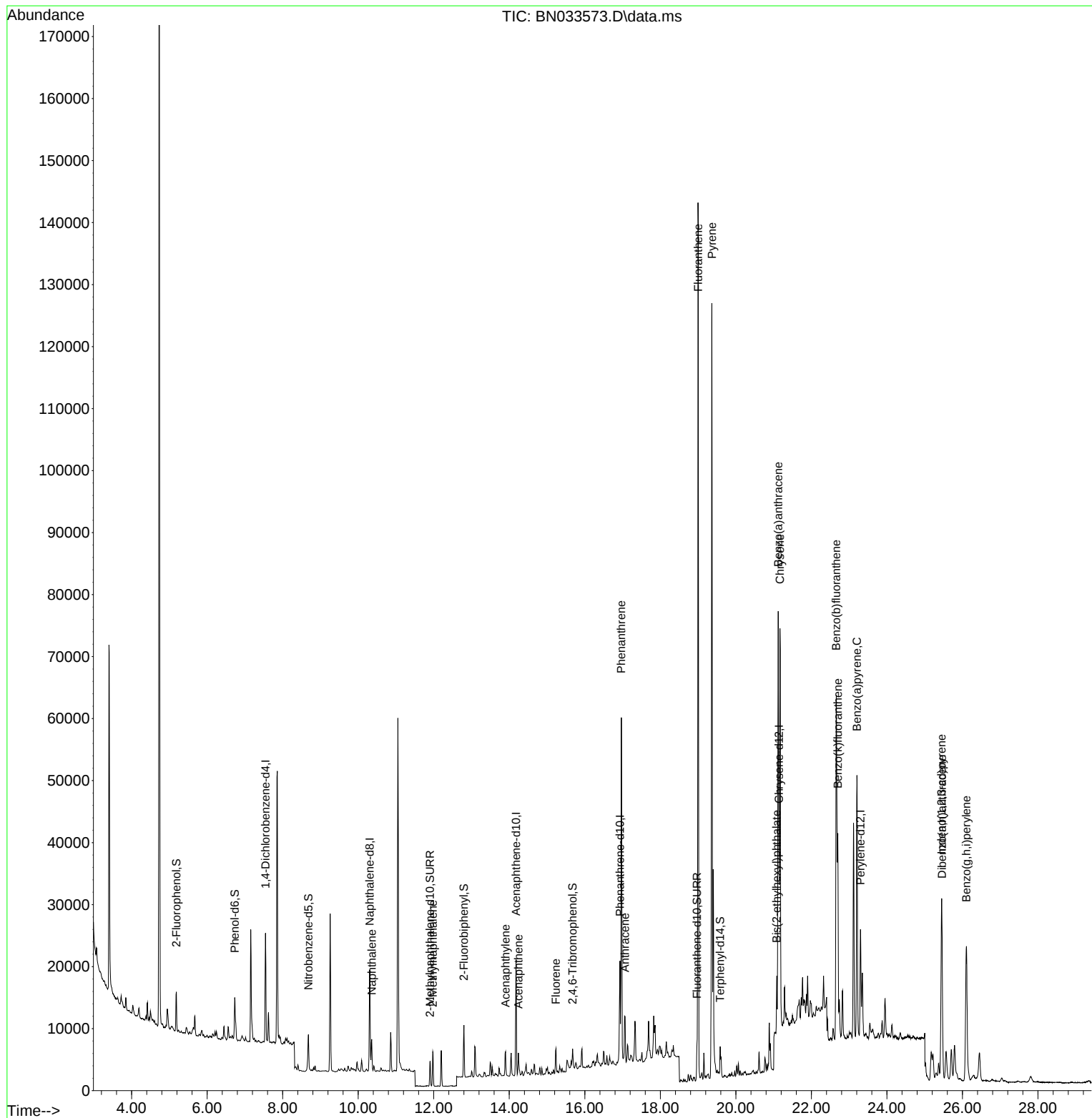
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
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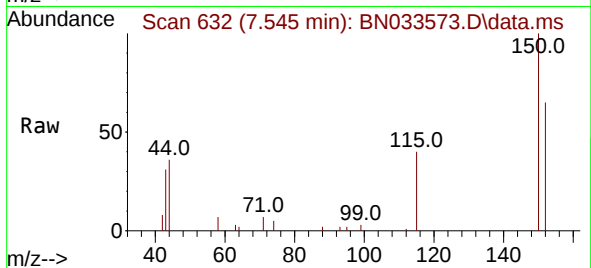
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

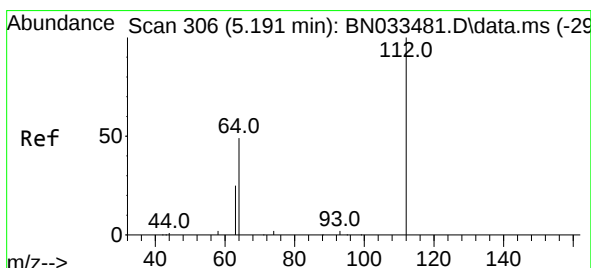
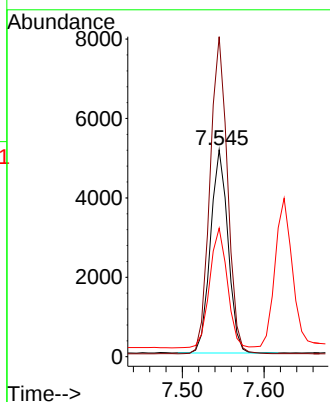
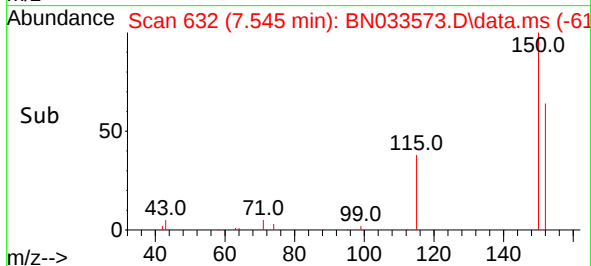
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion:152 Resp: 766
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.2
115 62.1 47.2 70.8

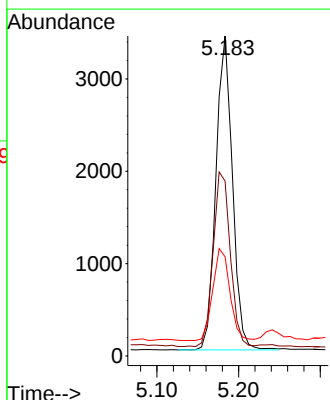
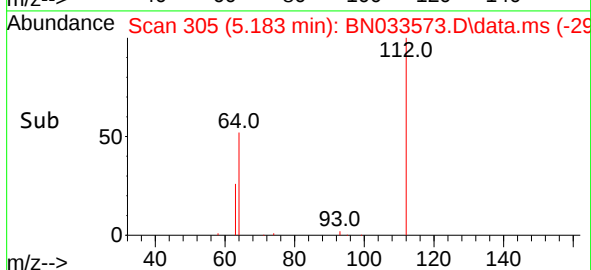
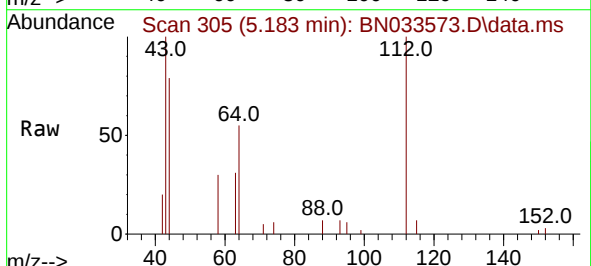
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Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.196 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

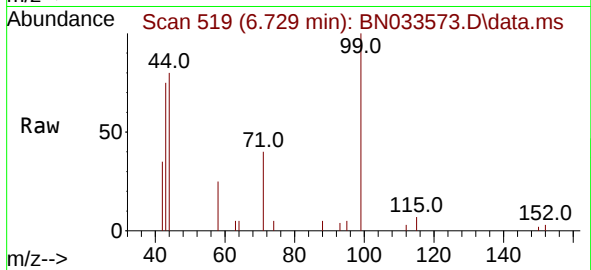
Tgt Ion:112 Resp: 4771
Ion Ratio Lower Upper
112 100
64 57.8 47.1 70.7
63 30.3 24.9 37.3





#5
Phenol-d6
Concen: 0.199 ng
RT: 6.729 min Scan# 519
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

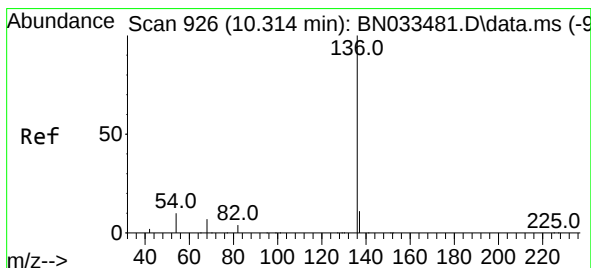
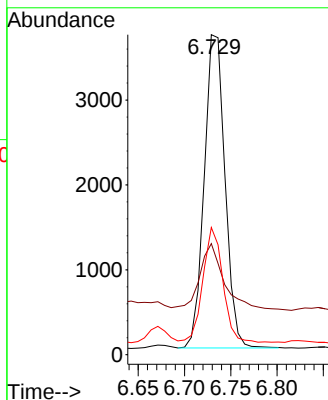
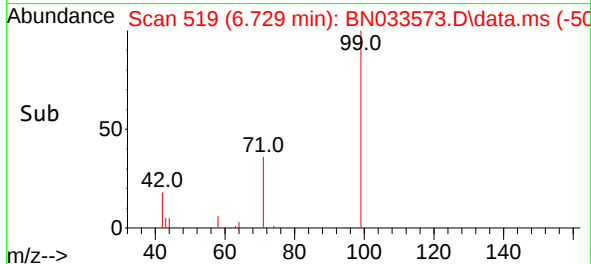
Instrument :
BNA_N
ClientSampleId :
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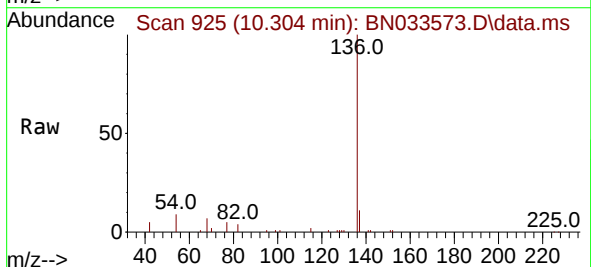
Tgt Ion: 99 Resp: 576
Ion Ratio Lower Upper
99 100
42 23.7 16.6 24.8
71 35.2 26.2 39.4

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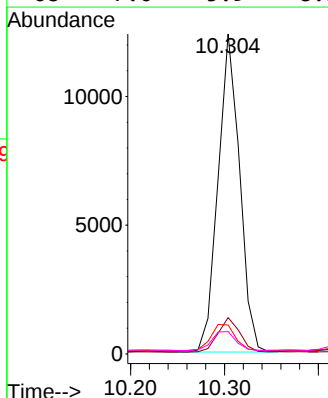
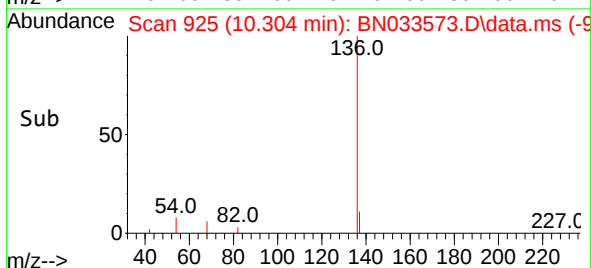
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06



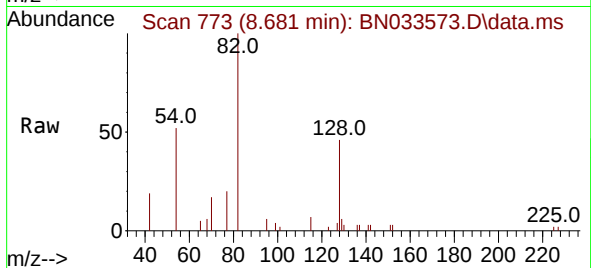
Tgt Ion:136 Resp: 19731
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.1 8.3 12.5
68 7.0 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.274 ng
RT: 8.681 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

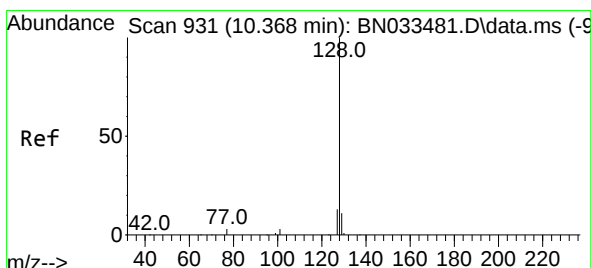
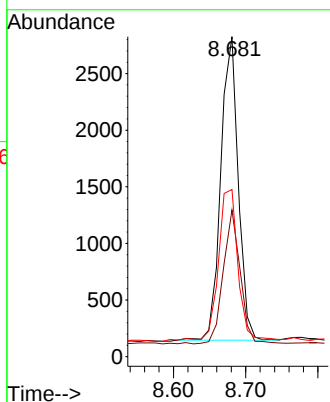
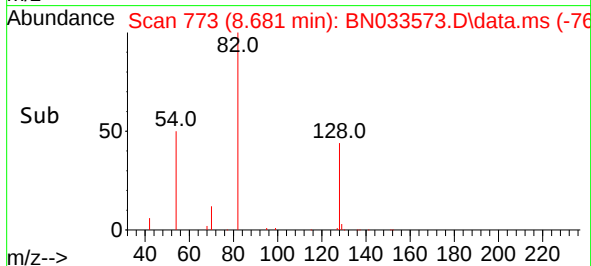
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion: 82 Resp: 4480
Ion Ratio Lower Upper
82 100
128 45.8 36.0 54.0
54 52.3 42.0 63.0

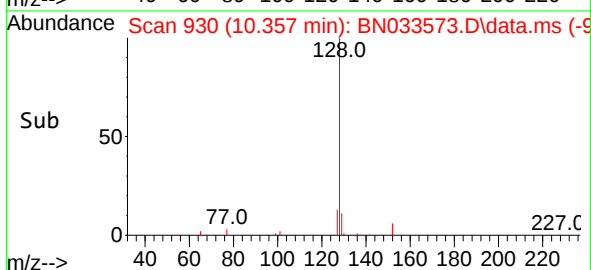
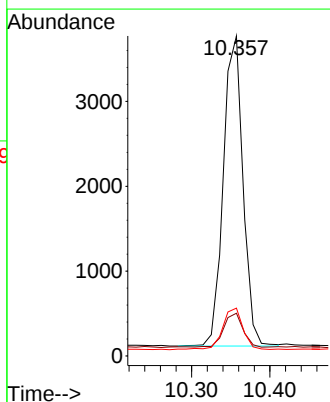
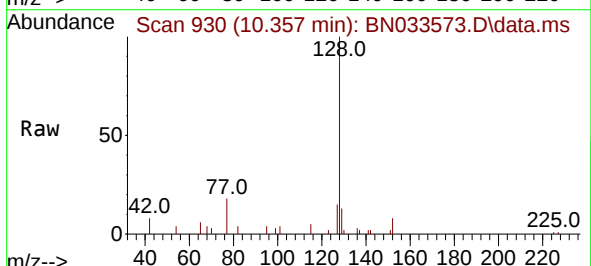
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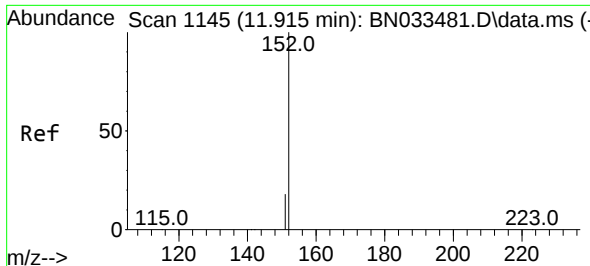
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#9
Naphthalene
Concen: 0.121 ng
RT: 10.357 min Scan# 930
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

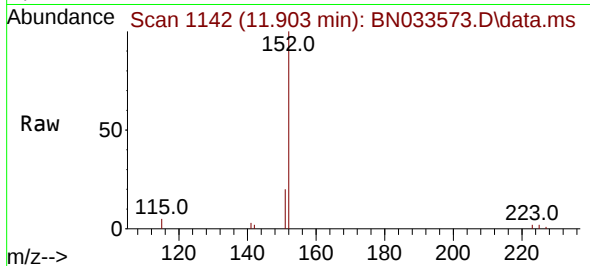
Tgt Ion:128 Resp: 6366
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 15.0 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.190 ng
RT: 11.903 min Scan# 1142
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

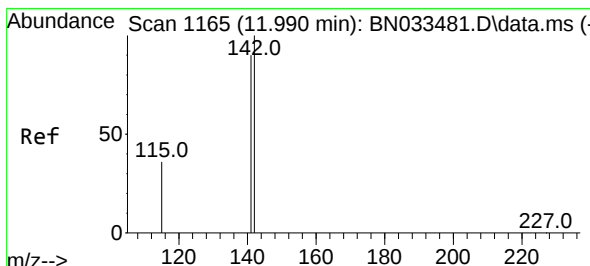
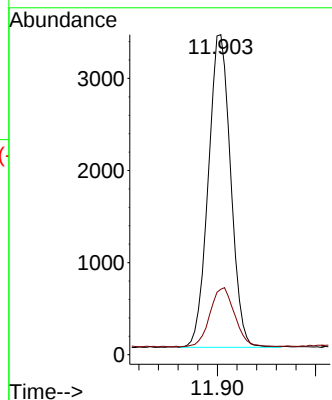
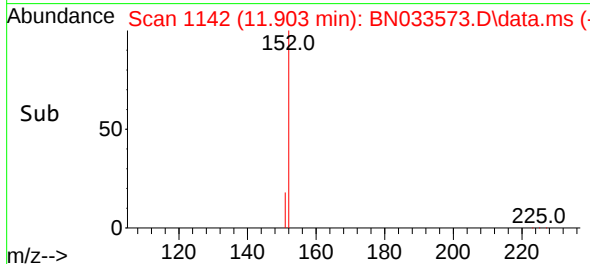
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion:152 Resp: 5372
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0

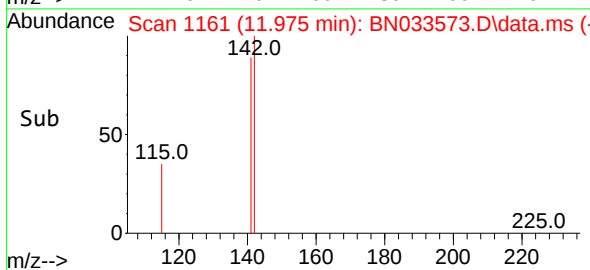
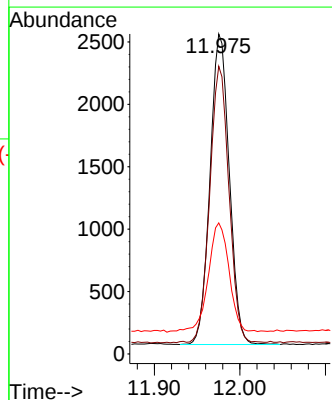
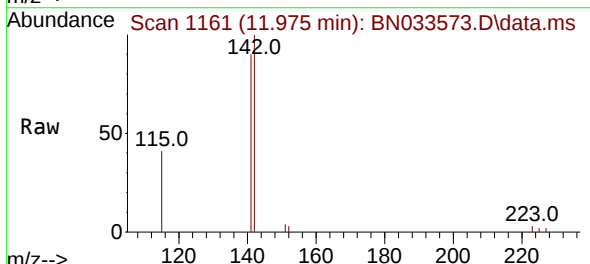
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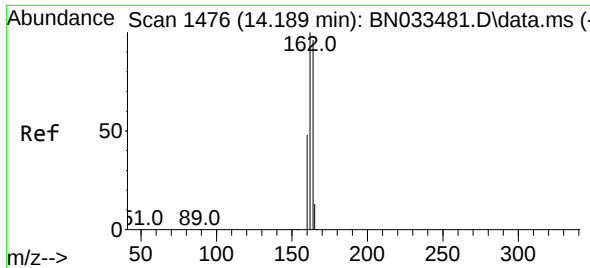
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#12
2-Methylnaphthalene
Concen: 0.117 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

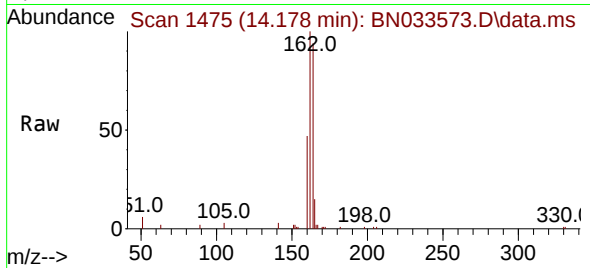
Tgt Ion:142 Resp: 3903
Ion Ratio Lower Upper
142 100
141 89.9 71.7 107.5
115 41.0 29.4 44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

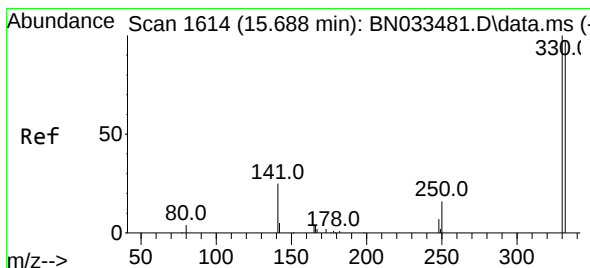
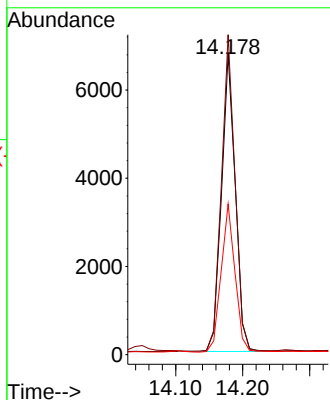
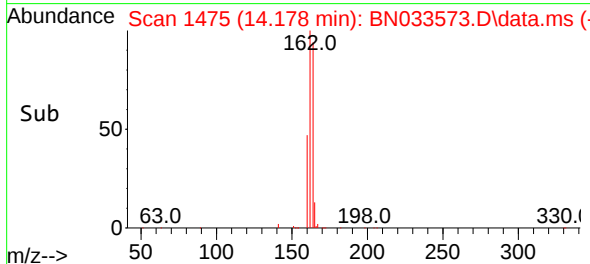
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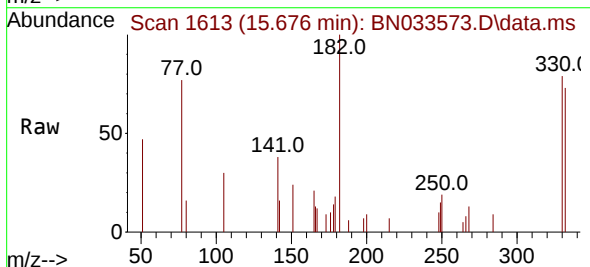
Tgt Ion:164 Resp: 9704
Ion Ratio Lower Upper
164 100
162 106.3 83.5 125.3
160 50.1 40.2 60.4

Manual Integrations
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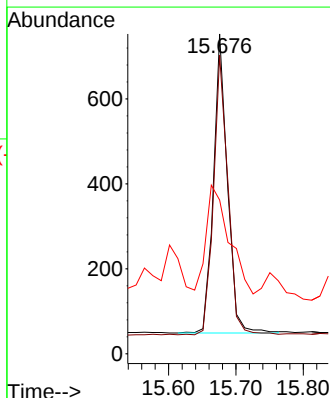
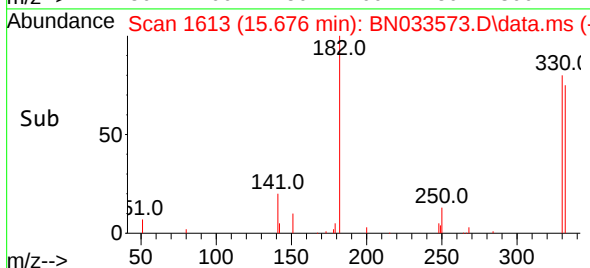
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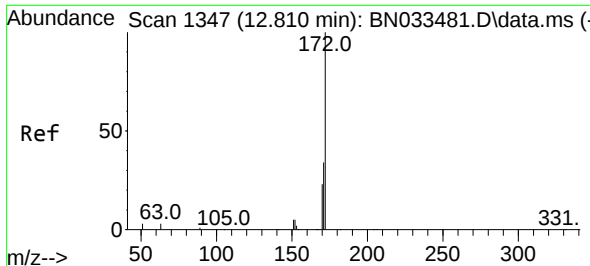


#14
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 15.676 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06



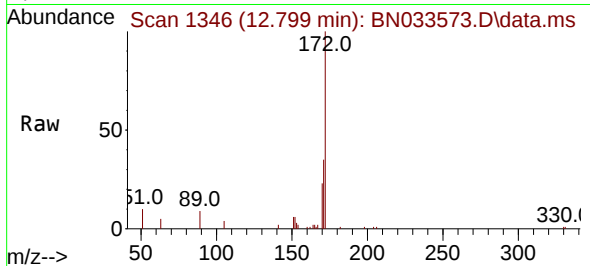
Tgt Ion:330 Resp: 1014
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 59.5 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.172 ng
RT: 12.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

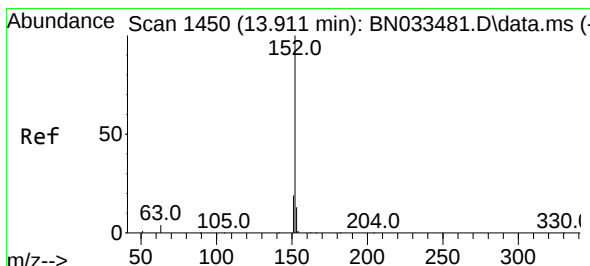
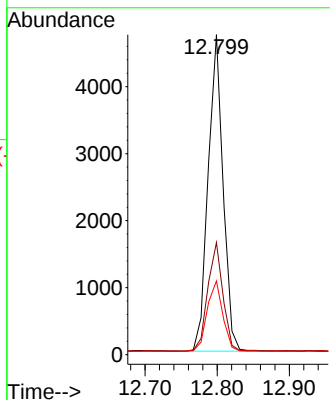
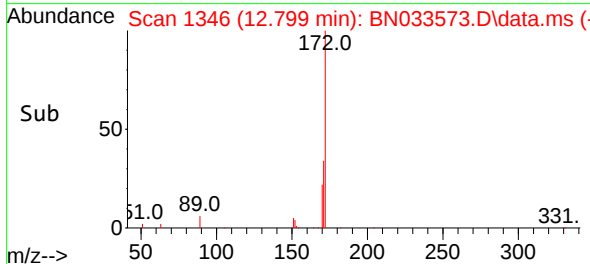
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S-912-J-SO-0-0.5-081924



Tgt Ion:172 Resp: 6808
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.1 18.3 27.5

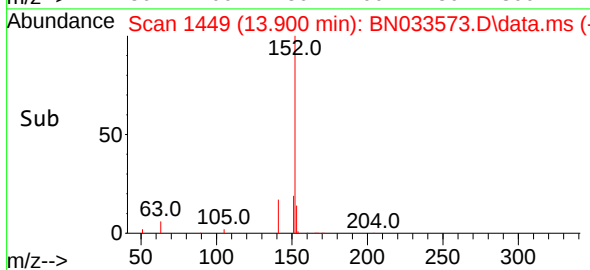
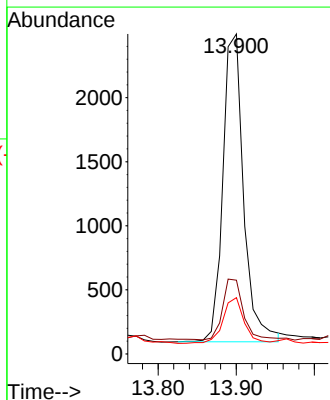
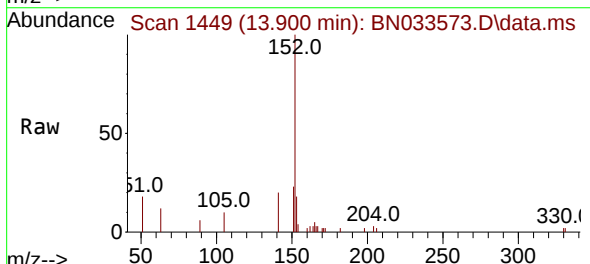
Manual Integrations
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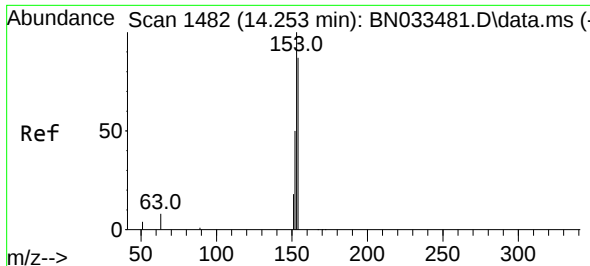
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.104 ng
RT: 13.900 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

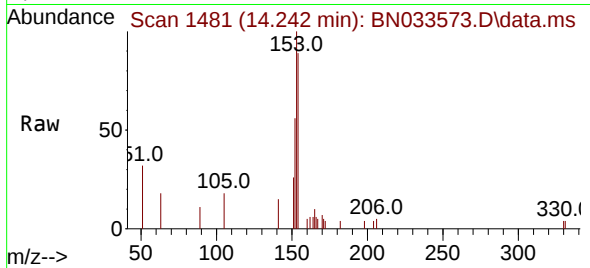
Tgt Ion:152 Resp: 4439
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 15.2 10.3 15.5





#17
Acenaphthene
Concen: 0.054 ng
RT: 14.242 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

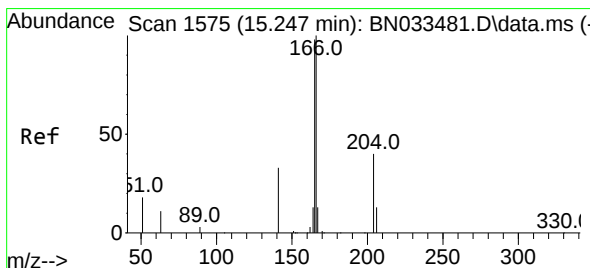
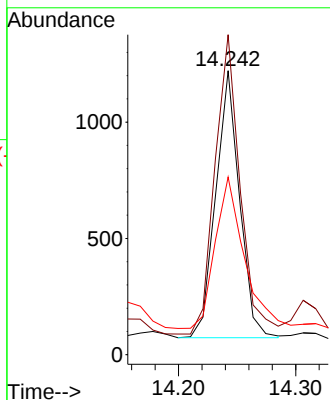
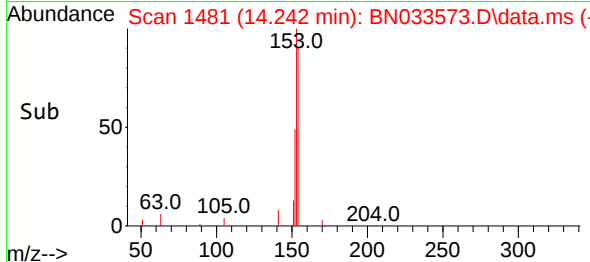
Instrument :
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Tgt Ion:154 Resp: 1614
Ion Ratio Lower Upper
154 100
153 118.3 89.0 133.6
152 69.5 45.2 67.8

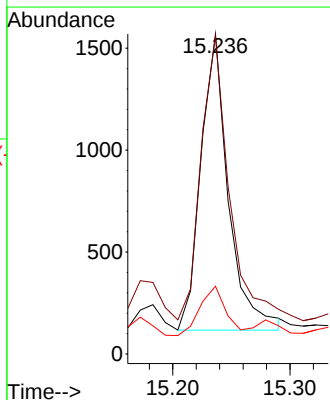
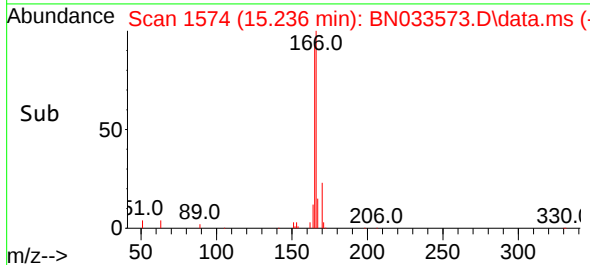
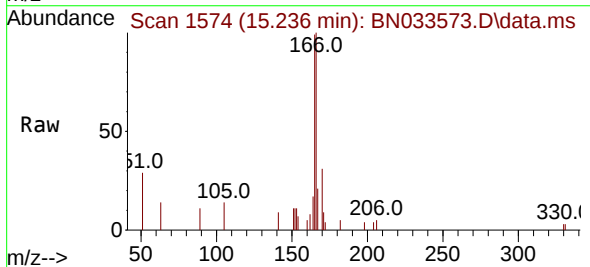
Manual Integrations
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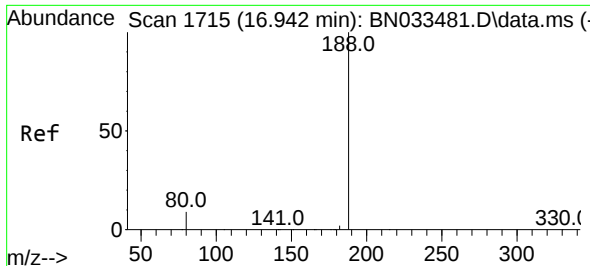
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#18
Fluorene
Concen: 0.063 ng
RT: 15.236 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

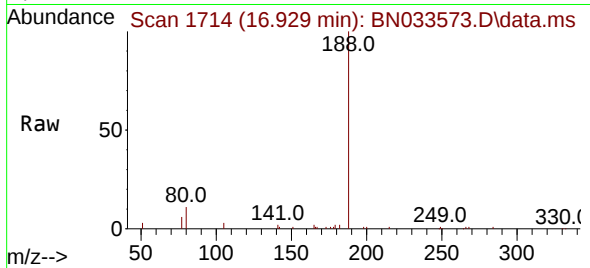
Tgt Ion:166 Resp: 2372
Ion Ratio Lower Upper
166 100
165 97.6 78.2 117.4
167 16.8 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

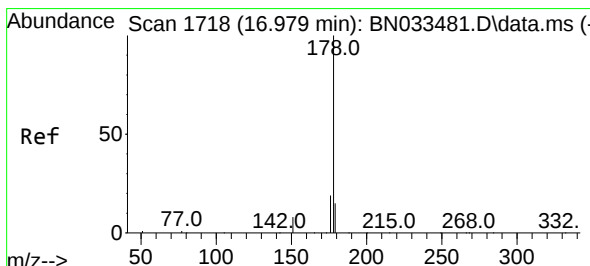
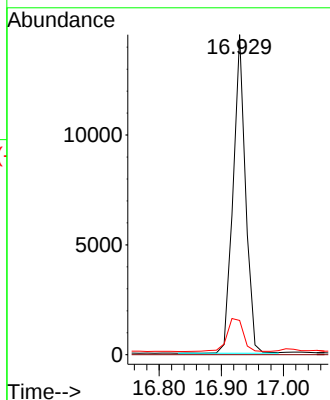
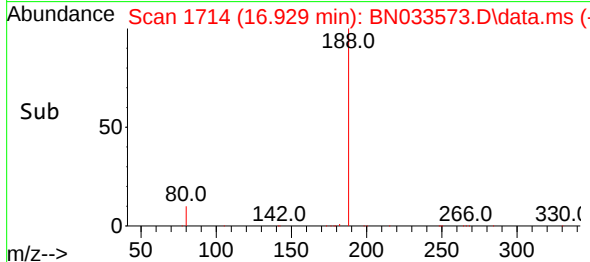
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion:188 Resp: 2019
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 7.8 11.8

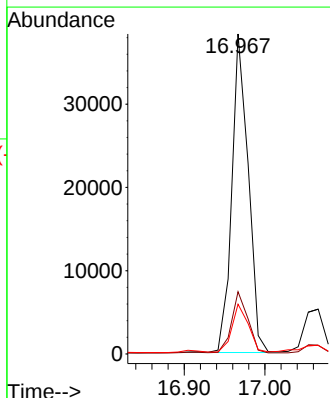
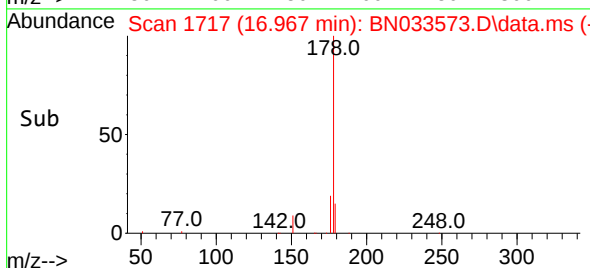
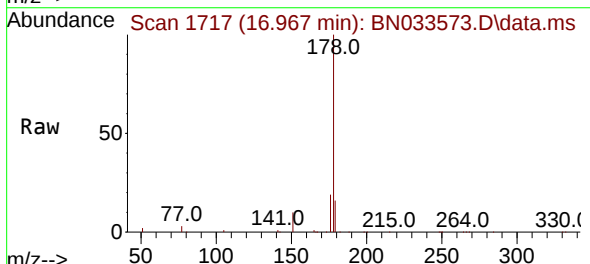
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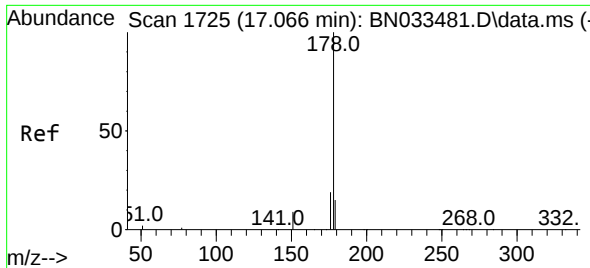
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 0.961 ng
RT: 16.967 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

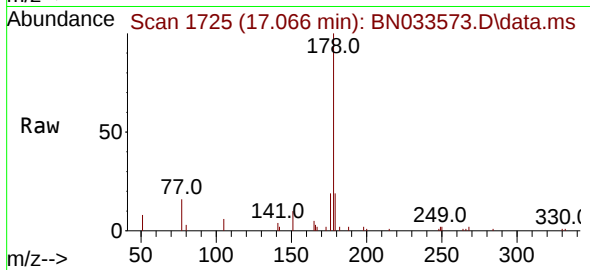
Tgt Ion:178 Resp: 54015
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 14.8 12.3 18.5





#26
 Anthracene
 Concen: 0.175 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: BN033573.D
 Acq: 23 Aug 2024 04:06

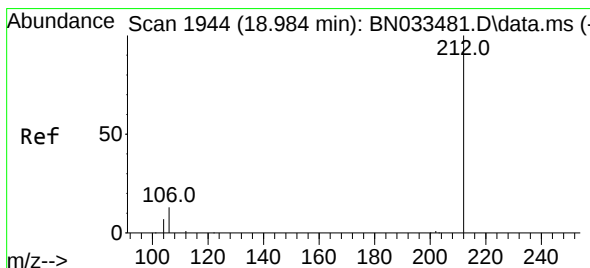
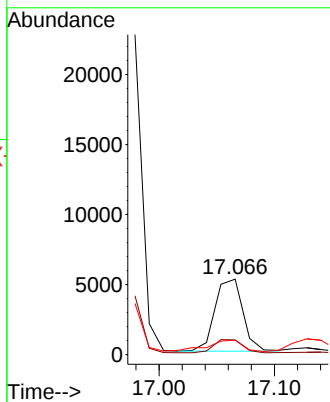
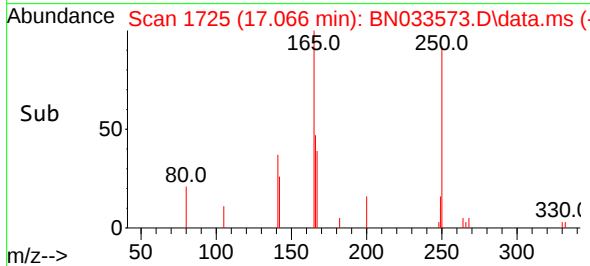
Instrument :
 BNA_N
 ClientSampleId :
 S-912-J-SO-0-0.5-081924



Tgt Ion:178 Resp: 8690
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 19.7 12.4 18.6

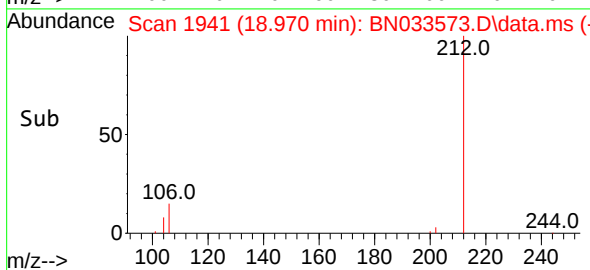
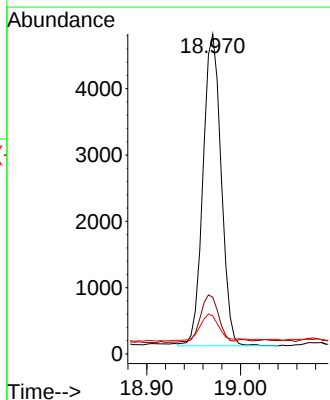
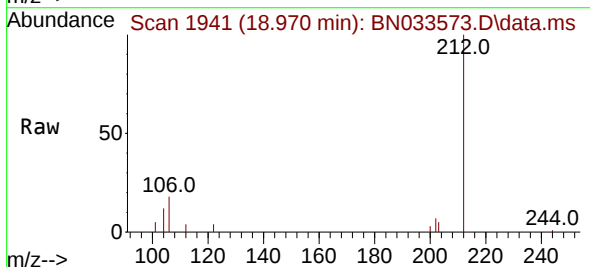
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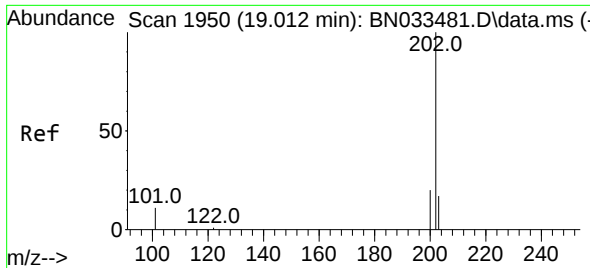
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.130 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. 0.000 min
 Lab File: BN033573.D
 Acq: 23 Aug 2024 04:06

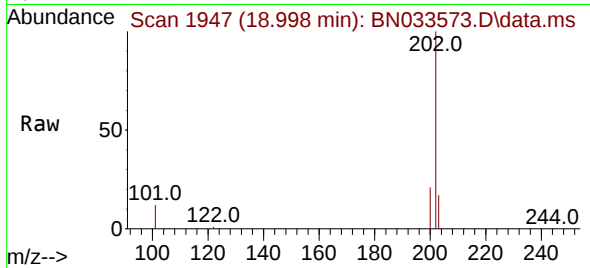
Tgt Ion:212 Resp: 6323
 Ion Ratio Lower Upper
 212 100
 106 15.1 12.3 18.5
 104 9.1 7.0 10.4





#28
Fluoranthene
Concen: 2.017 ng
RT: 18.998 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

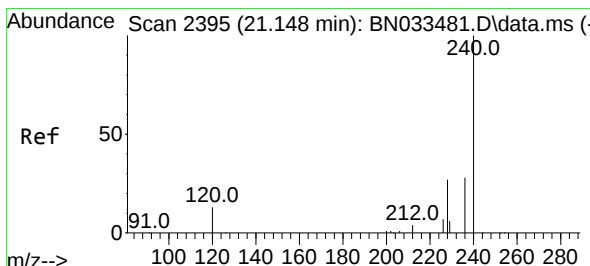
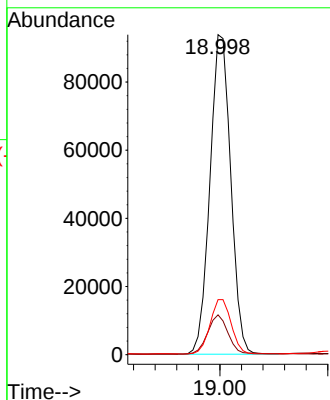
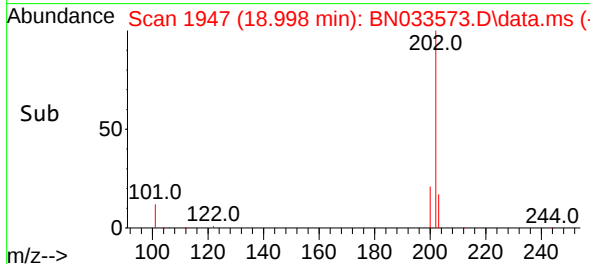
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion:202 Resp: 125270
Ion Ratio Lower Upper
202 100
101 12.2 9.5 14.3
203 17.3 13.8 20.6

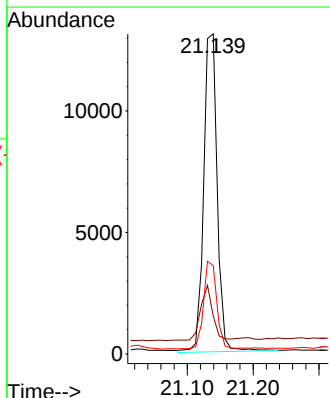
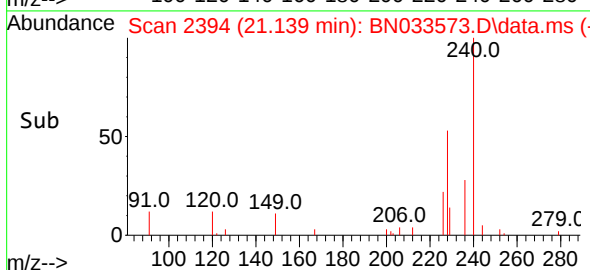
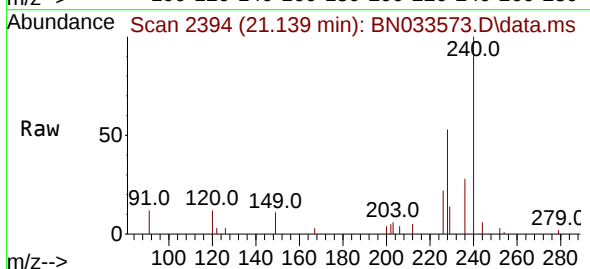
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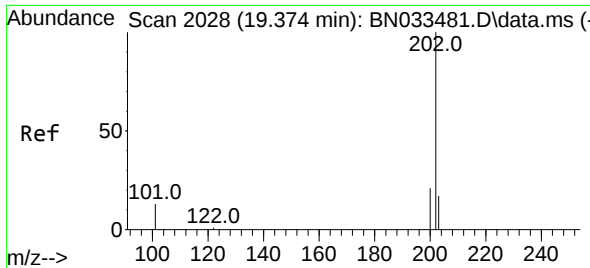
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

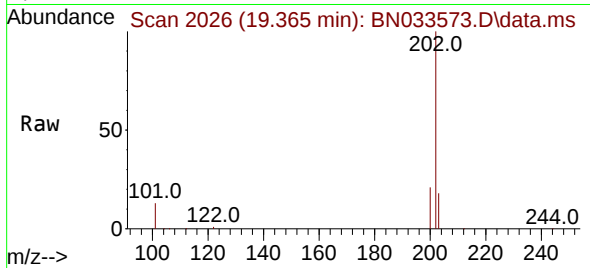
Tgt Ion:240 Resp: 18846
Ion Ratio Lower Upper
240 100
120 11.9 12.4 18.6#
236 27.6 23.0 34.6





#30
Pyrene
Concen: 1.316 ng
RT: 19.365 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

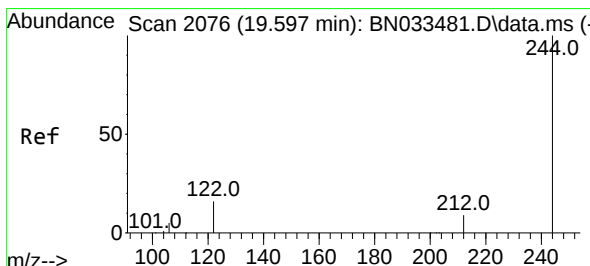
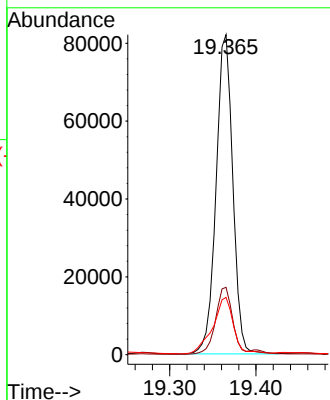
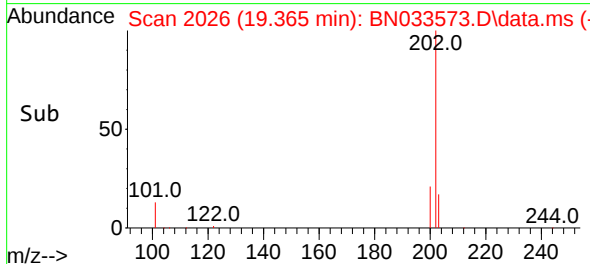
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion:202 Resp: 110725
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 21.7 14.2 21.4

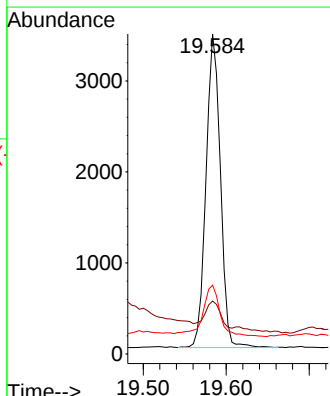
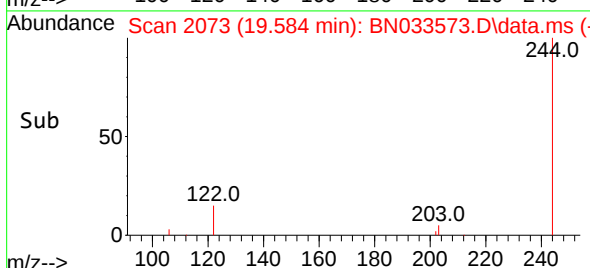
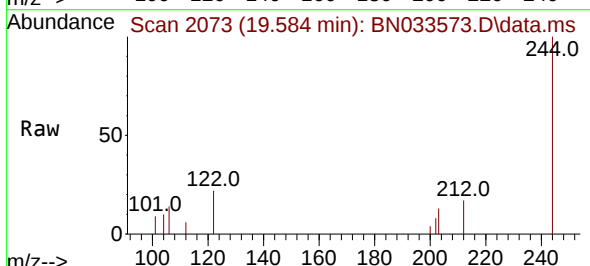
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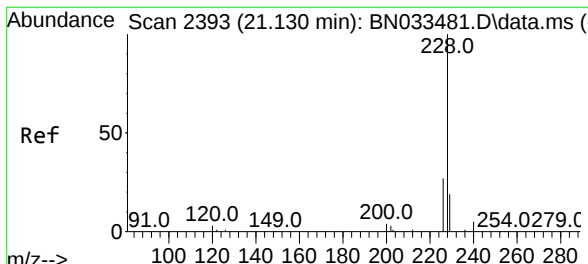
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.097 ng
RT: 19.584 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:244 Resp: 4160
Ion Ratio Lower Upper
244 100
212 16.6 7.8 11.6#
122 21.5 13.3 19.9#





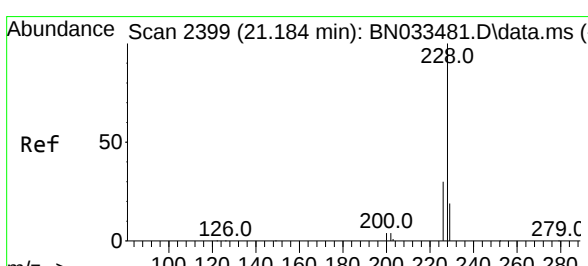
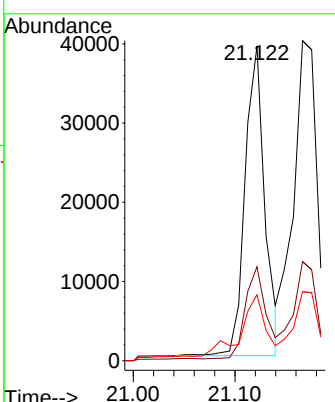
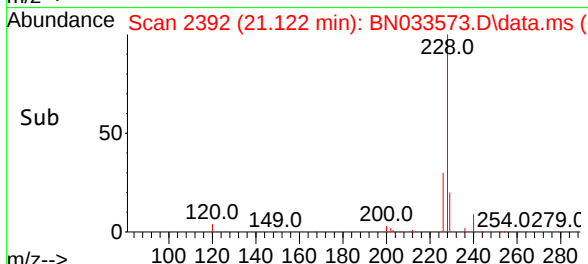
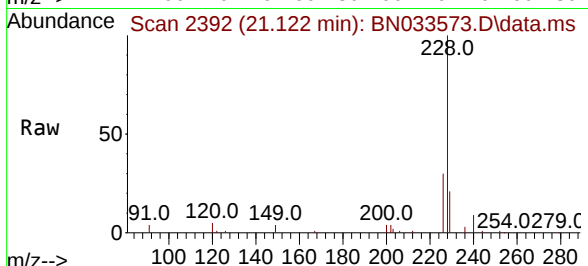
#32
 Benzo(a)anthracene
 Concen: 0.771 ng
 RT: 21.122 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: BN033573.D
 Acq: 23 Aug 2024 04:06

Instrument :
 BNA_N
 ClientSampleId :
 S-912-J-SO-0-0.5-081924

Tgt Ion:228 Resp: 52550

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.8	32.6
229	21.0	15.8	23.6

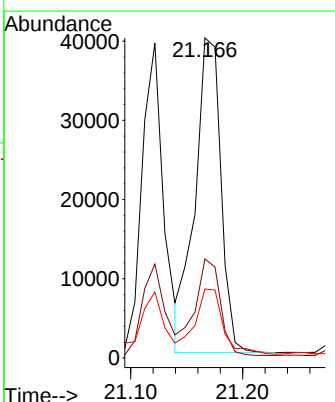
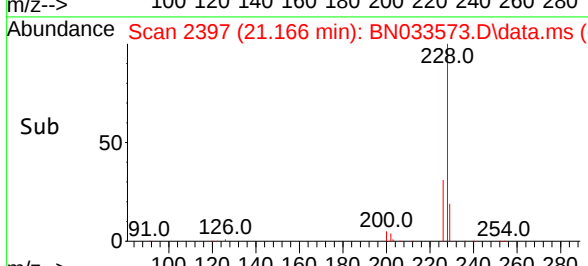
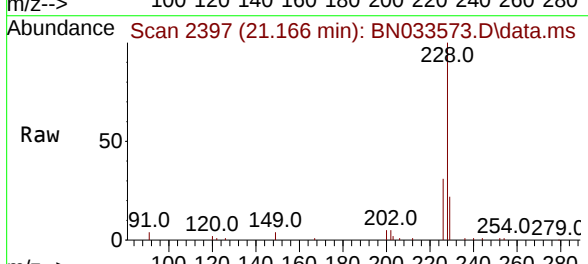
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 Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

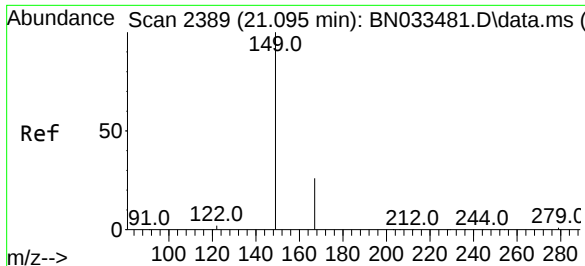


#33
 Chrysene
 Concen: 0.948 ng
 RT: 21.166 min Scan# 2397
 Delta R.T. -0.009 min
 Lab File: BN033573.D
 Acq: 23 Aug 2024 04:06

Tgt Ion:228 Resp: 64197

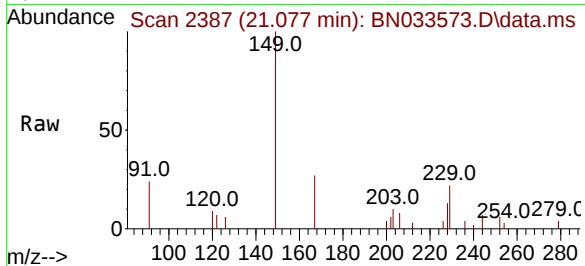
Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.8
229	21.5	15.6	23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.153 ng m
RT: 21.077 min Scan# 2107
Delta R.T. -0.009 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

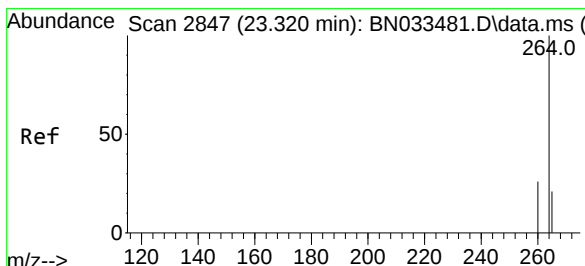
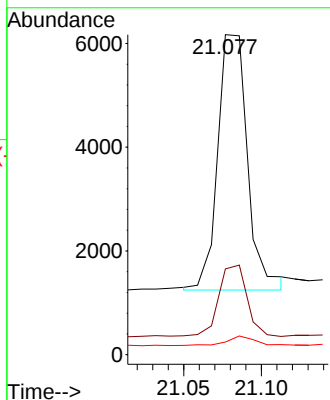
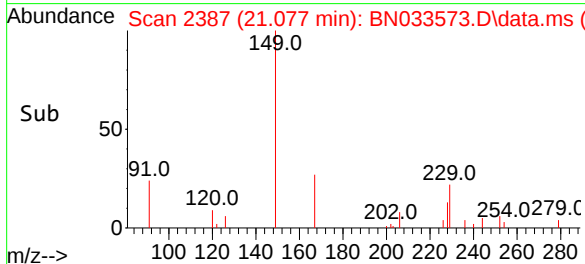
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion:149 Resp: 6610
Ion Ratio Lower Upper
149 100
167 61.3 21.5 32.3
279 5.4 2.2 3.2

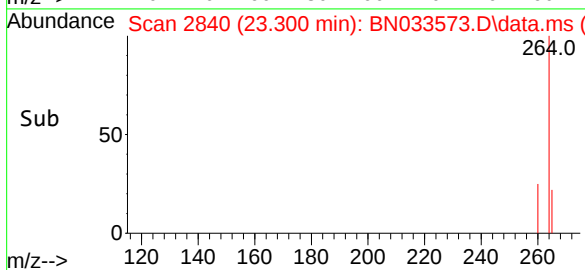
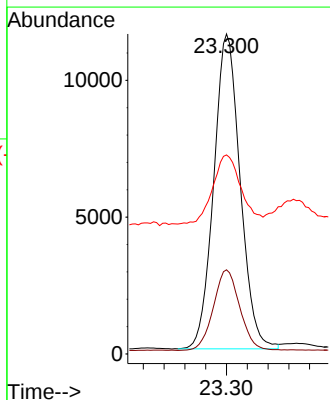
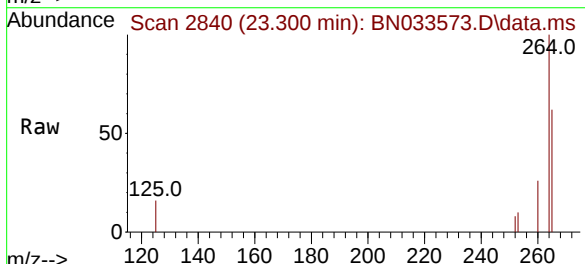
Manual Integrations
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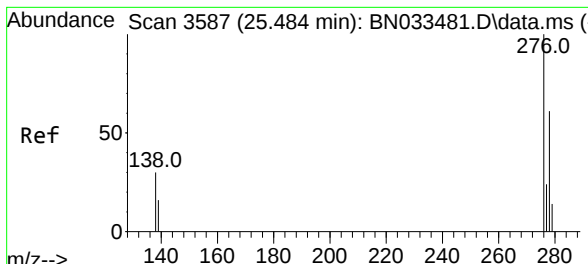
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 2840
Delta R.T. -0.003 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

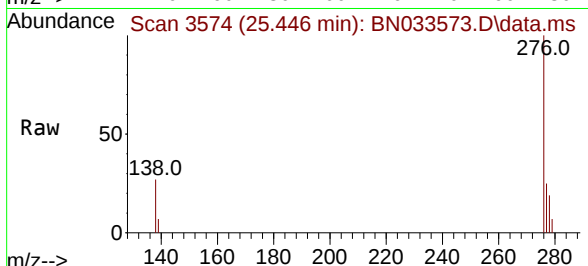
Tgt Ion:264 Resp: 20277
Ion Ratio Lower Upper
264 100
260 26.3 20.8 31.2
265 62.2 52.2 78.2





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.496 ng
 RT: 25.446 min Scan# 3574
 Delta R.T. -0.003 min
 Lab File: BN033573.D
 Acq: 23 Aug 2024 04:06

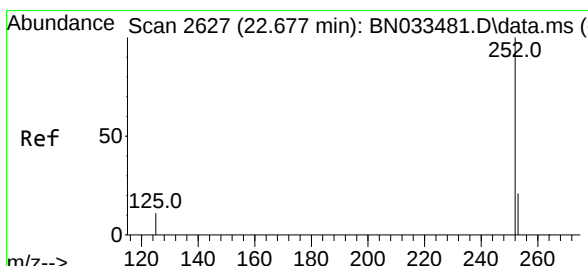
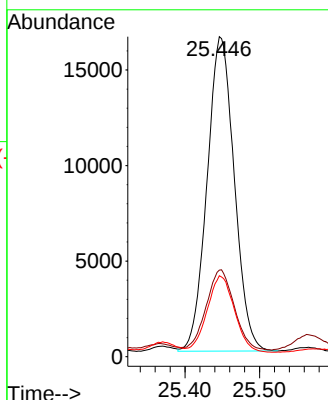
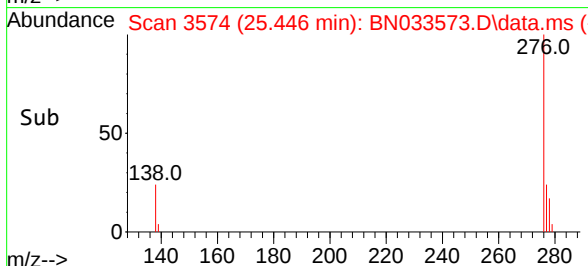
Instrument :
 BNA_N
 ClientSampleId :
 S-912-J-SO-0-0.5-081924



Tgt Ion: 276 Resp: 4174
 Ion Ratio Lower Upper
 276 100
 138 26.2 24.4 36.6
 277 24.5 19.8 29.6

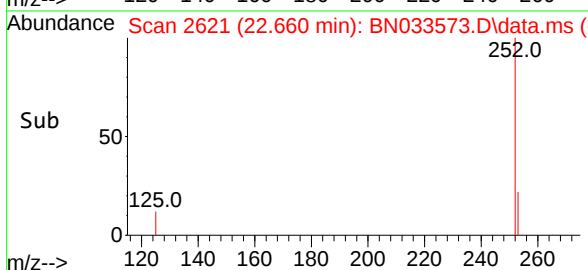
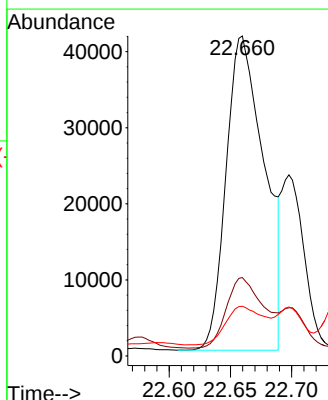
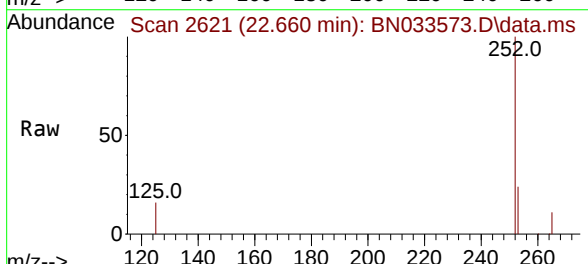
Manual Integrations
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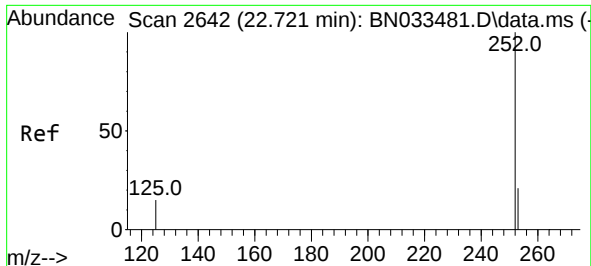
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#37
 Benzo(b)fluoranthene
 Concen: 1.181 ng
 RT: 22.660 min Scan# 2621
 Delta R.T. 0.000 min
 Lab File: BN033573.D
 Acq: 23 Aug 2024 04:06

Tgt Ion: 252 Resp: 89415
 Ion Ratio Lower Upper
 252 100
 253 24.5 19.8 29.8
 125 15.6 13.9 20.9





#38

Benzo(k)fluoranthene

Concen: 0.405 ng m

RT: 22.698 min Scan# 20

Delta R.T. -0.006 min

Lab File: BN033573.D

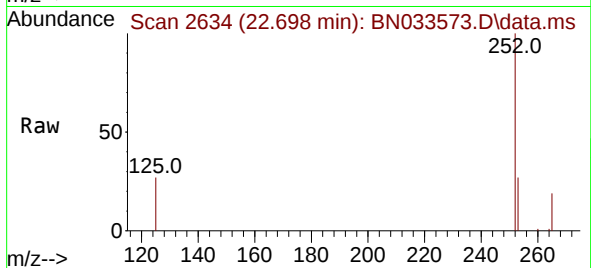
Acq: 23 Aug 2024 04:06

Instrument :

BNA_N

ClientSampleId :

S-912-J-SO-0-0.5-081924



Tgt Ion:252 Resp: 30218

Ion Ratio Lower Upper

252 100

253 26.6 19.8 29.8

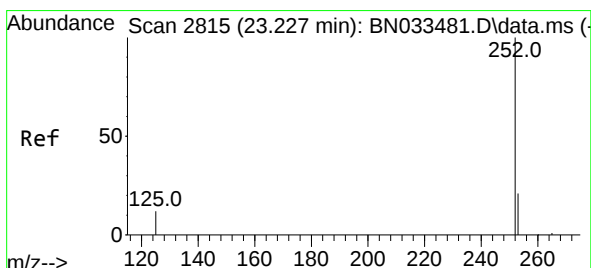
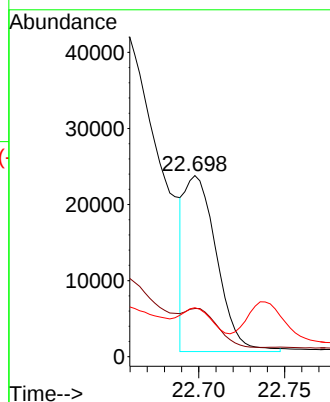
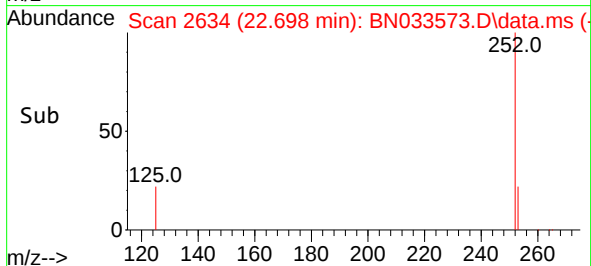
125 27.0 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#39

Benzo(a)pyrene

Concen: 0.884 ng

RT: 23.206 min Scan# 2808

Delta R.T. -0.003 min

Lab File: BN033573.D

Acq: 23 Aug 2024 04:06

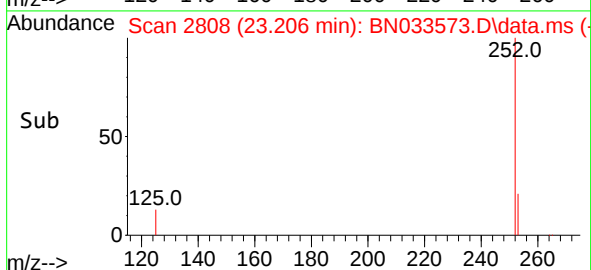
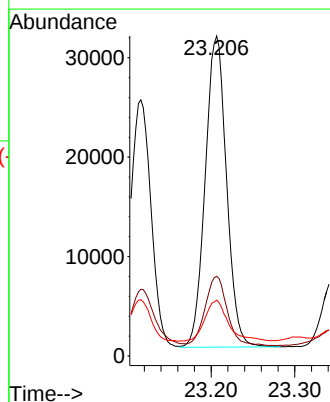
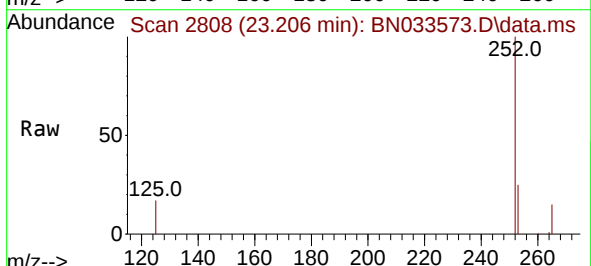
Tgt Ion:252 Resp: 55369

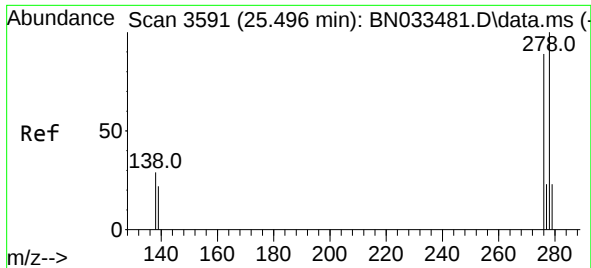
Ion Ratio Lower Upper

252 100

253 24.9 21.5 32.3

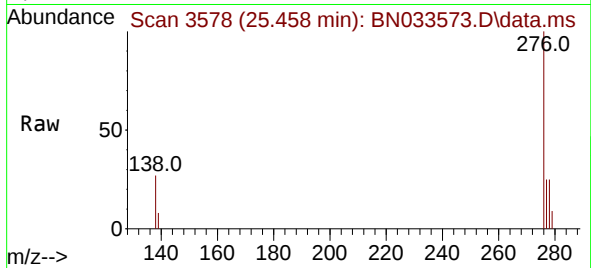
125 17.4 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.147 ng
RT: 25.458 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

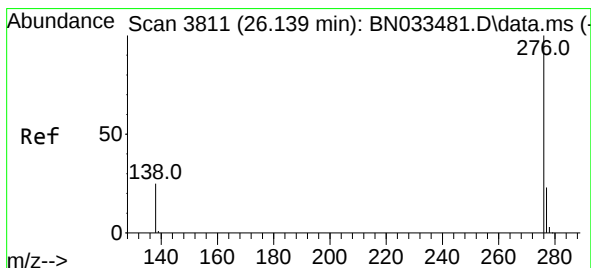
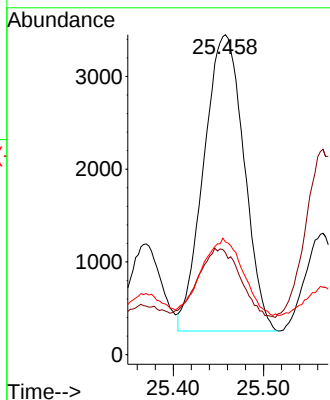
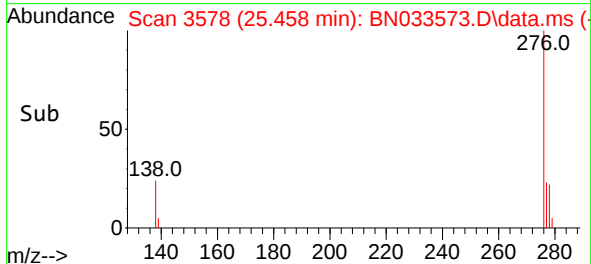
Instrument :
BNA_N
ClientSampleId :
S-912-J-SO-0-0.5-081924



Tgt Ion:278 Resp: 989
Ion Ratio Lower Upper
278 100
139 31.9 19.1 28.7
279 35.2 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: 0.577 ng
RT: 26.104 min Scan# 3799
Delta R.T. 0.000 min
Lab File: BN033573.D
Acq: 23 Aug 2024 04:06

Tgt Ion:276 Resp: 41549
Ion Ratio Lower Upper
276 100
277 24.3 19.7 29.5
138 27.6 21.8 32.6

