

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033576.D
 Acq On : 23 Aug 2024 05:54
 Operator : MA/JU
 Sample : P3660-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-906-J-0-0.5-081624

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 23 06:58:25 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	8038	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20821	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10027	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19198	0.400	ng	0.00
29) Chrysene-d12	21.130	240	17574	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	18720	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	6313	0.247	ng	0.00
5) Phenol-d6	6.736	99	7849	0.258	ng	0.00
8) Nitrobenzene-d5	8.681	82	5121	0.297	ng	0.00
11) 2-Methylnaphthalene-d10	11.899	152	7129	0.239	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1285	0.238	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	9003	0.220	ng	0.00
27) Fluoranthene-d10	18.970	212	8608	0.187	ng	0.00
31) Terphenyl-d14	19.583	244	5270	0.132	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	3567	0.064	ng	# 92
12) 2-Methylnaphthalene	11.975	142	1550	0.044	ng	# 91
16) Acenaphthylene	13.900	152	3786	0.086	ng	99
17) Acenaphthene	14.242	154	9551	0.309	ng	97
18) Fluorene	15.236	166	9279	0.238	ng	92
25) Phenanthrene	16.967	178	223298	4.181	ng	96
26) Anthracene	17.066	178	31149	0.659	ng	# 92
28) Fluoranthene	19.003	202	565280	9.578	ng	100
30) Pyrene	19.365	202	483079	6.159	ng	# 95
32) Benzo(a)anthracene	21.121	228	233910	3.681	ng	98
33) Chrysene	21.166	228	282467	4.473	ng	97
34) Bis(2-ethylhexyl)phtha...	21.077	149	7618m	0.189	ng	
36) Indeno(1,2,3-cd)pyrene	25.449	276	208691	2.685	ng	94
37) Benzo(b)fluoranthene	22.660	252	432377	6.185	ng	# 93
38) Benzo(k)fluoranthene	22.698	252	129038m	1.875	ng	
39) Benzo(a)pyrene	23.203	252	251986m	4.356	ng	
40) Dibenzo(a,h)anthracene	25.458	278	46166	0.743	ng	99
41) Benzo(g,h,i)perylene	26.104	276	211442	3.182	ng	98

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

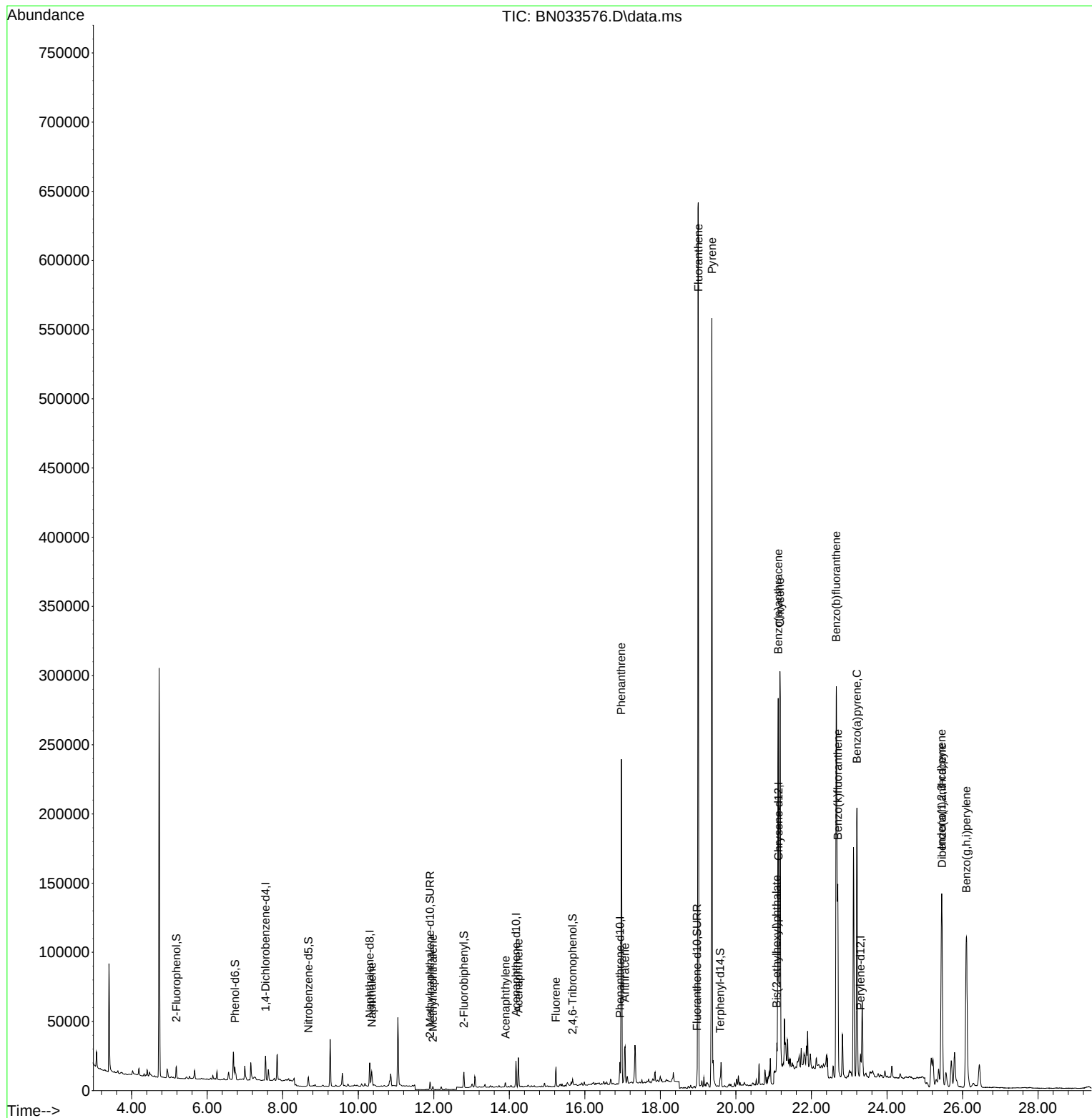
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
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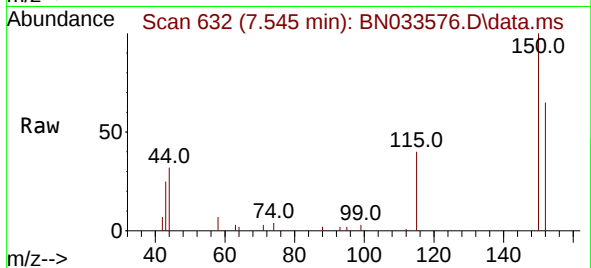
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

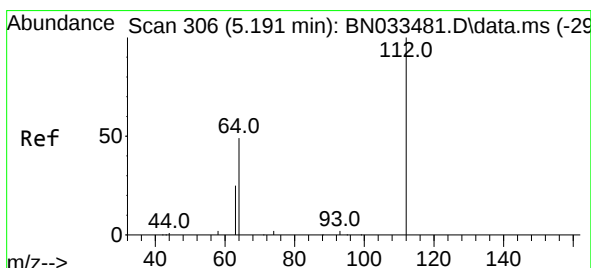
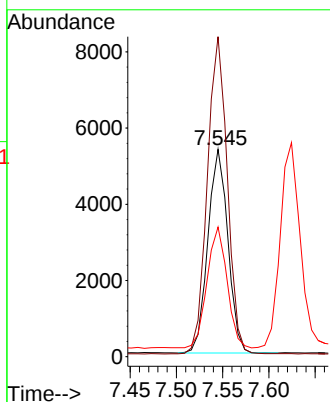
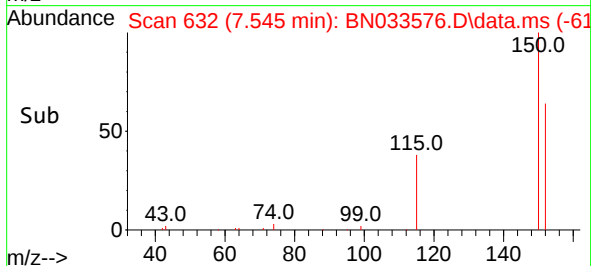
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:152 Resp: 8038
Ion Ratio Lower Upper
152 100
150 154.3 122.2 183.2
115 62.5 47.2 70.8

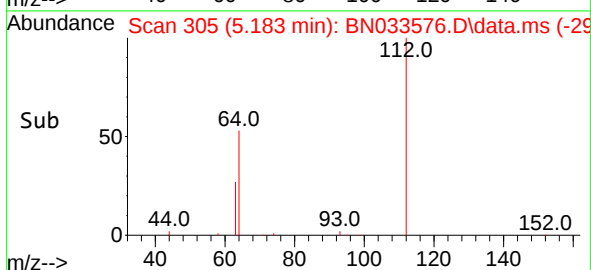
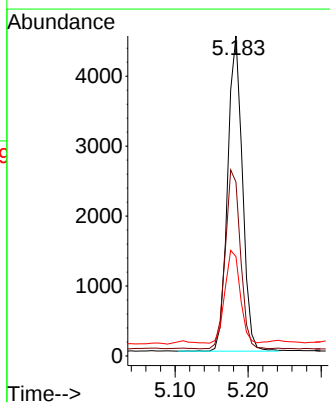
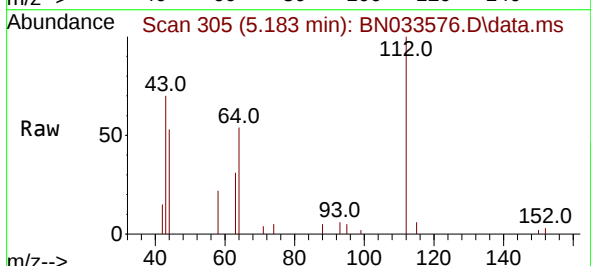
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Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.247 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

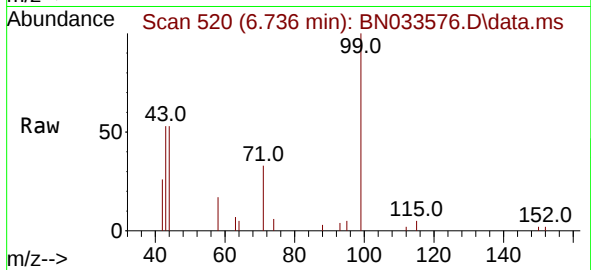
Tgt Ion:112 Resp: 6313
Ion Ratio Lower Upper
112 100
64 58.3 47.1 70.7
63 30.4 24.9 37.3





#5
Phenol-d6
Concen: 0.258 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

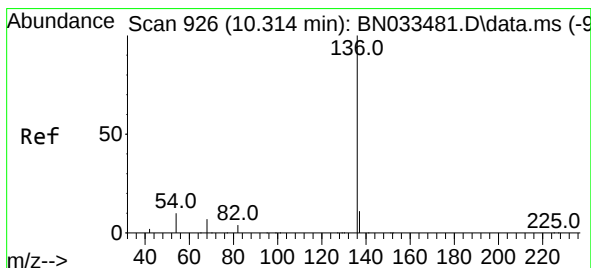
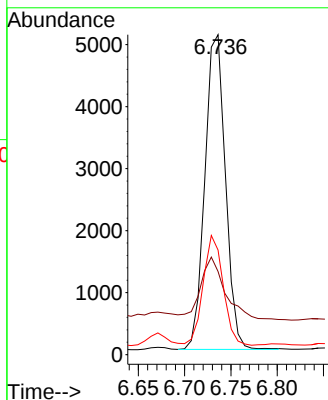
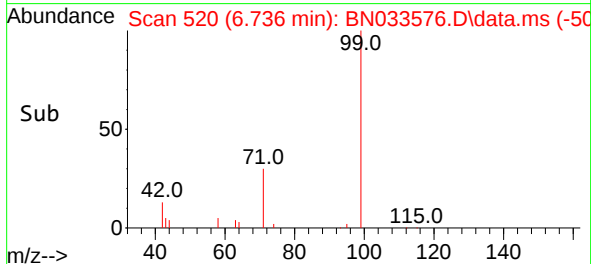
Instrument :
BNA_N
ClientSampleId :
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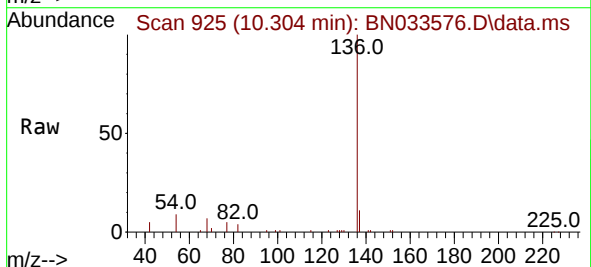
Tgt Ion: 99 Resp: 7849
Ion Ratio Lower Upper
99 100
42 23.5 16.6 24.8
71 33.9 26.2 39.4

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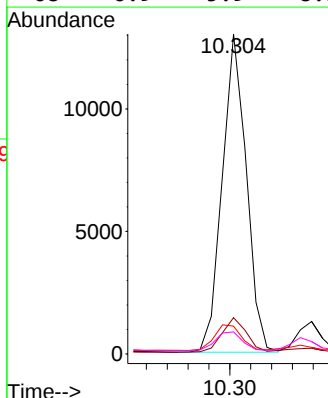
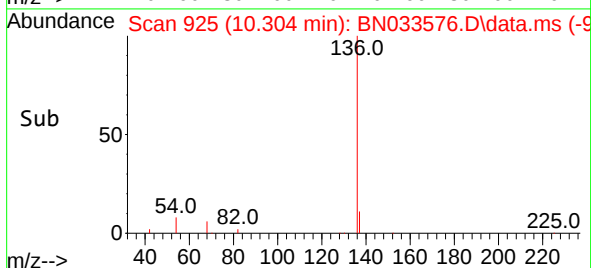
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54



Tgt Ion:136 Resp: 20821
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 8.7 8.3 12.5
68 6.9 5.9 8.9





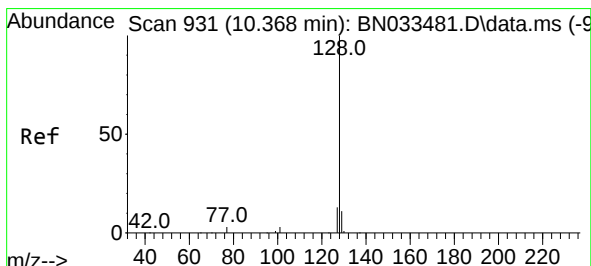
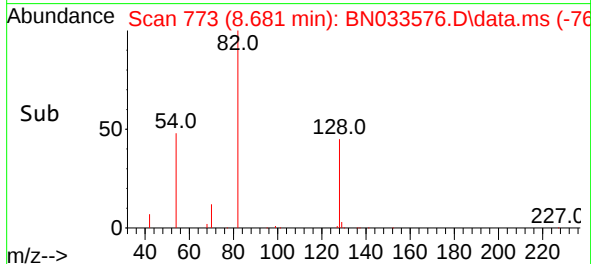
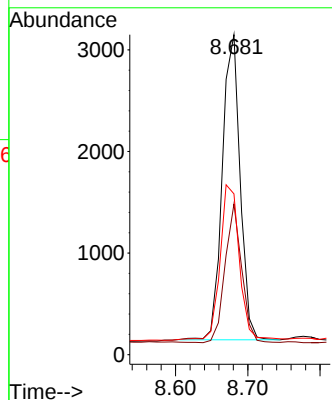
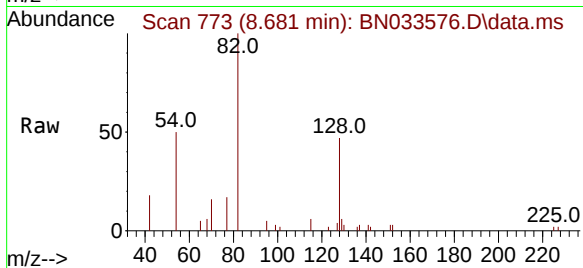
#8
Nitrobenzene-d5
Concen: 0.297 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624

Tgt Ion: 82 Resp: 512
Ion Ratio Lower Upper
82 100
128 47.1 36.0 54.0
54 50.3 42.0 63.0

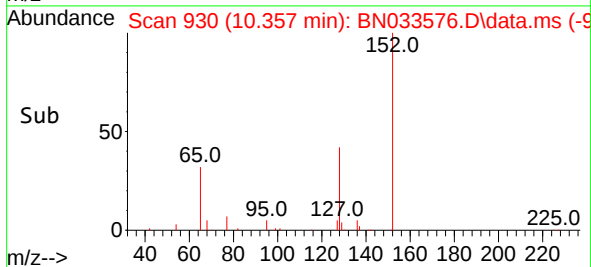
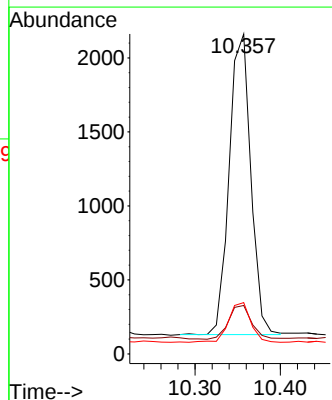
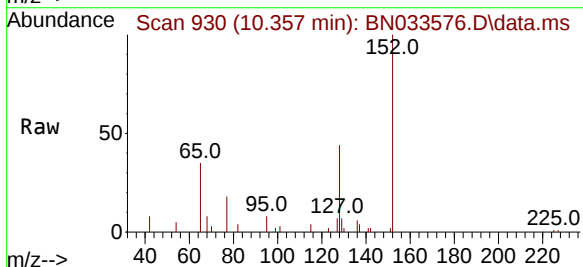
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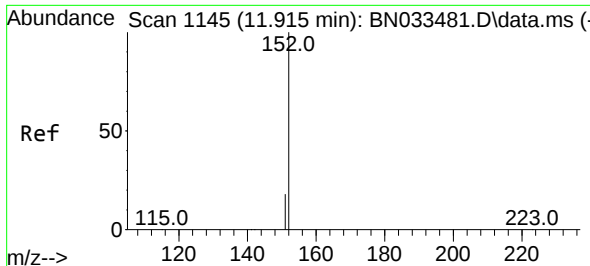
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#9
Naphthalene
Concen: 0.064 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

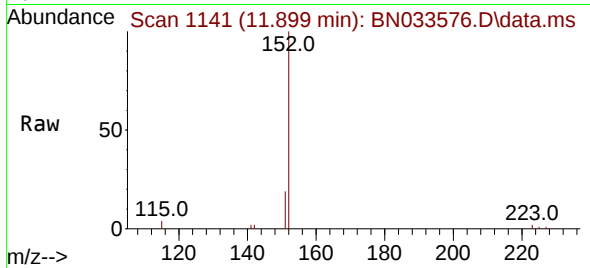
Tgt Ion:128 Resp: 3567
Ion Ratio Lower Upper
128 100
129 15.1 9.1 13.7#
127 16.0 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.239 ng
RT: 11.899 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

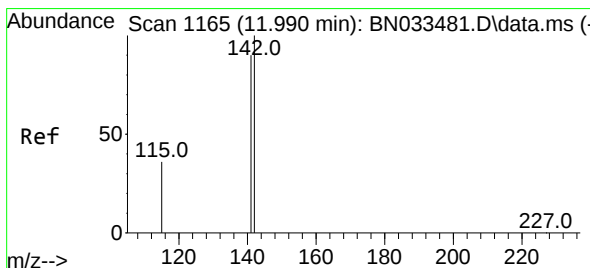
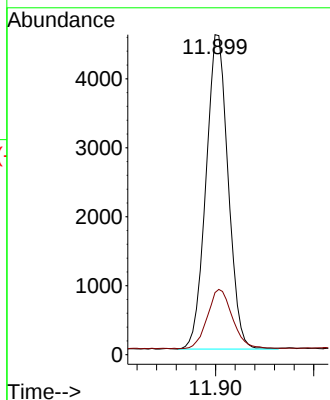
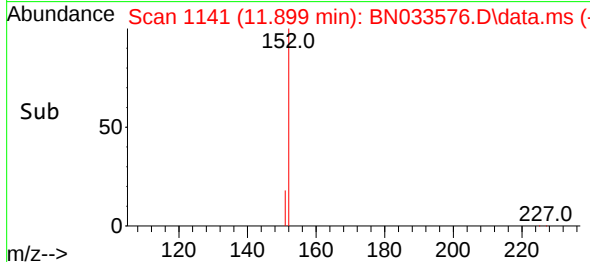
Instrument :
BNA_N
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S-906-J-0-0.5-081624



Tgt Ion:152 Resp: 7129
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0

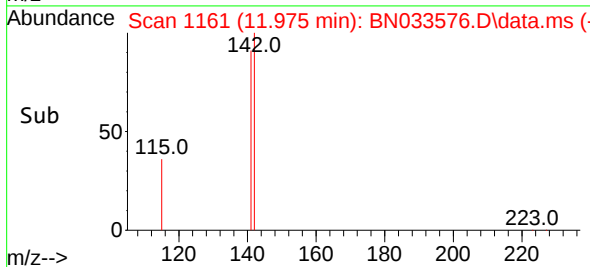
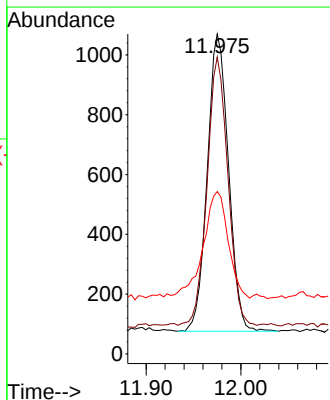
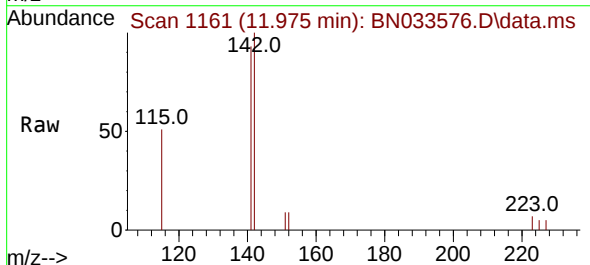
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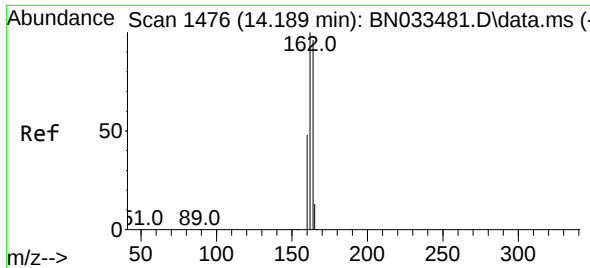
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#12
2-Methylnaphthalene
Concen: 0.044 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

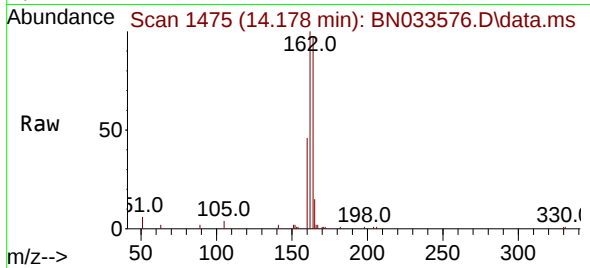
Tgt Ion:142 Resp: 1550
Ion Ratio Lower Upper
142 100
141 92.8 71.7 107.5
115 50.7 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

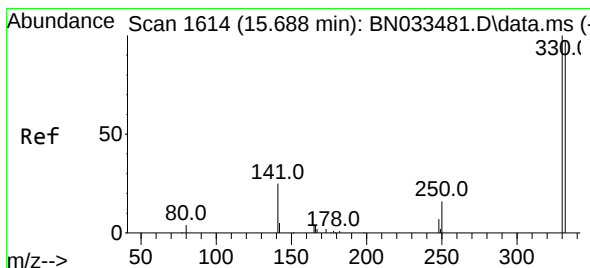
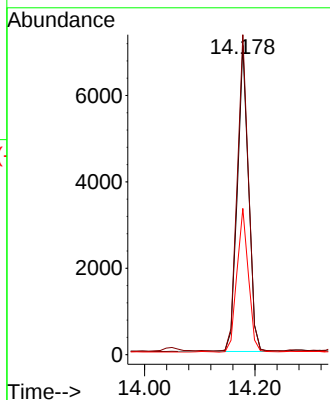
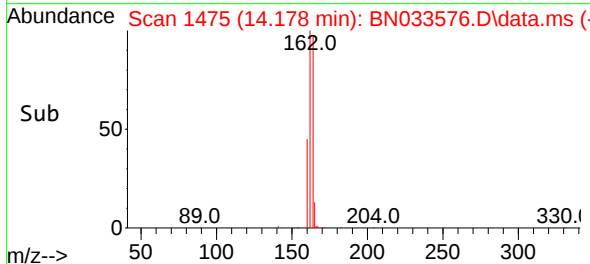
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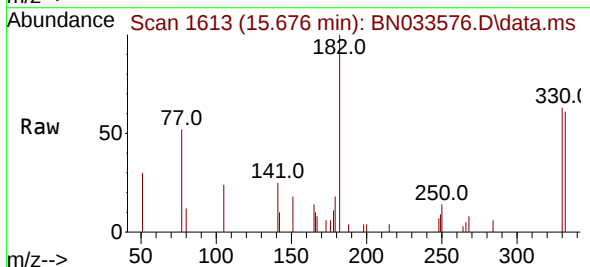
Tgt Ion:164 Resp: 1002
Ion Ratio Lower Upper
164 100
162 103.4 83.5 125.3
160 47.3 40.2 60.4

Manual Integrations
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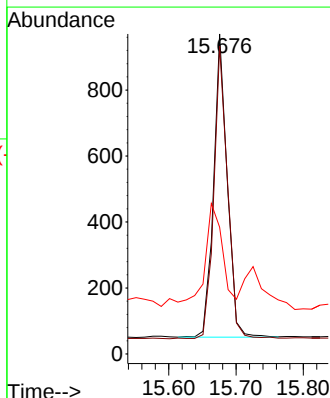
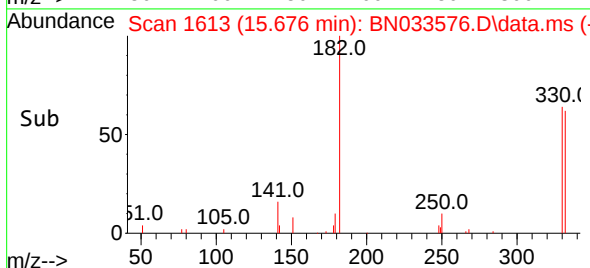
Reviewed By :Jagrut Upadhyay 08/23/2024
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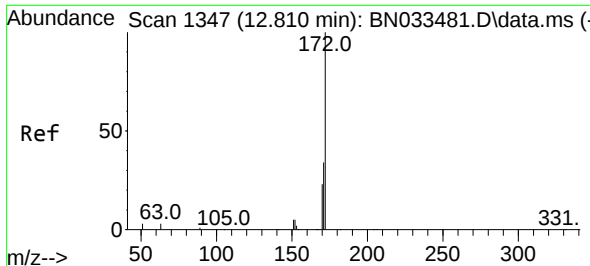


#14
2,4,6-Tribromophenol
Concen: 0.238 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54



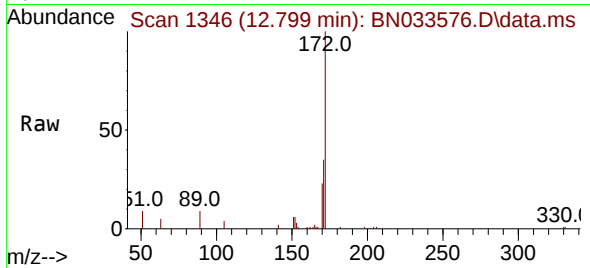
Tgt Ion:330 Resp: 1285
Ion Ratio Lower Upper
330 100
332 97.5 77.5 116.3
141 38.1 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.220 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

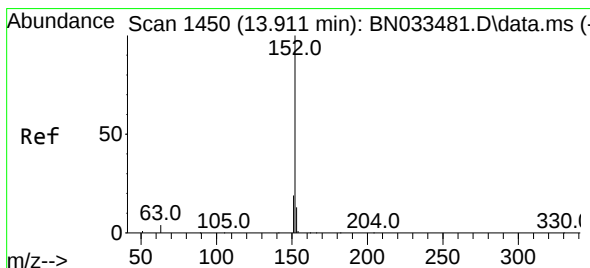
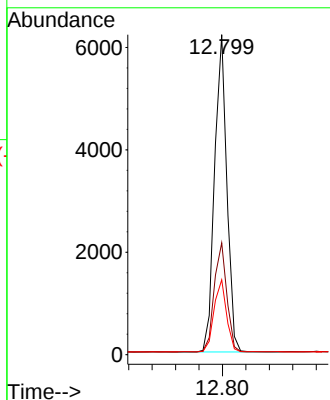
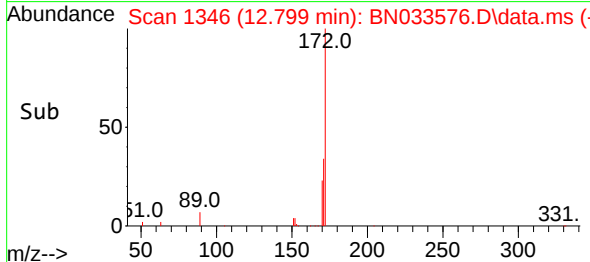
Instrument :
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Tgt Ion:172 Resp: 900
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 23.4 18.3 27.5

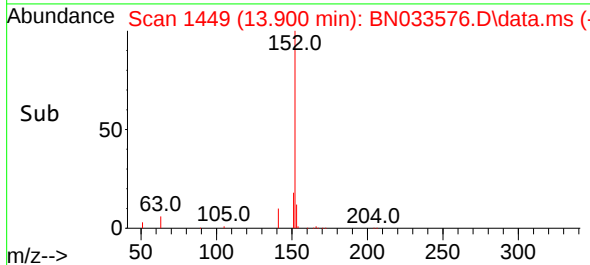
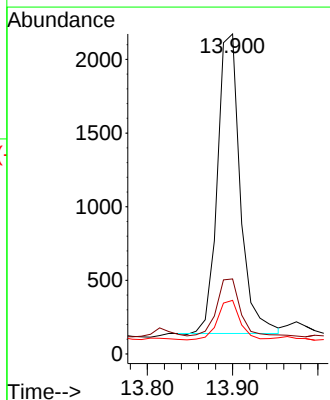
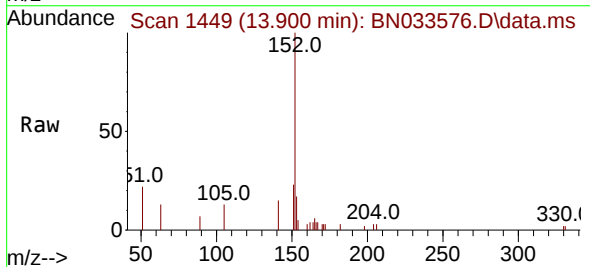
Manual Integrations
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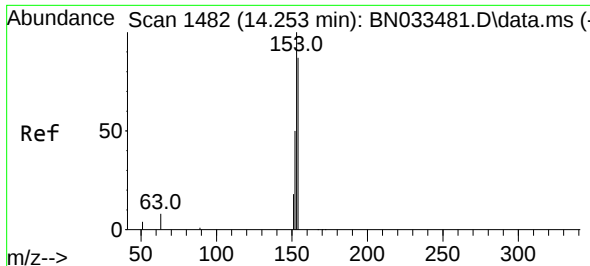
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.086 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

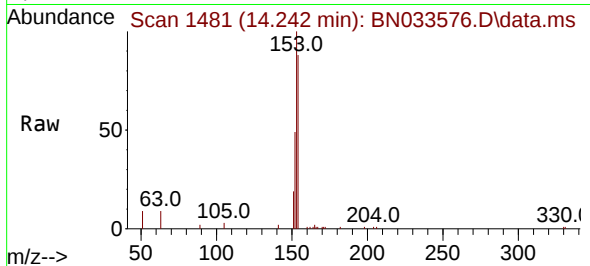
Tgt Ion:152 Resp: 3786
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.0 10.3 15.5





#17
Acenaphthene
Concen: 0.309 ng
RT: 14.242 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

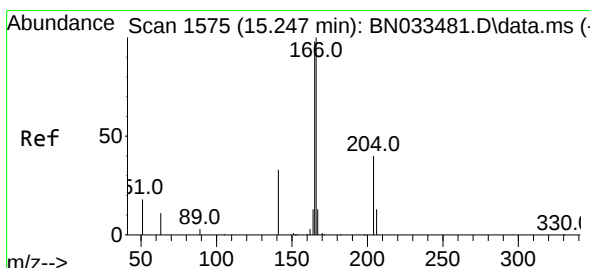
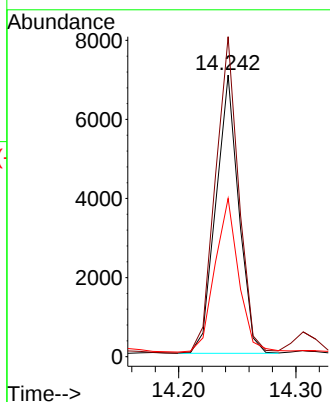
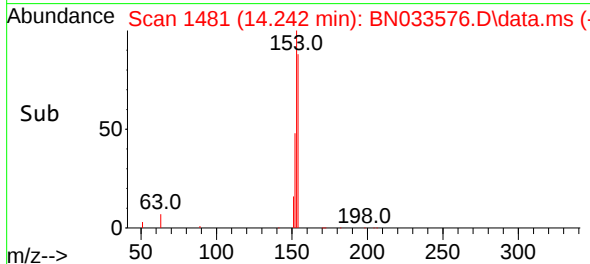
Instrument :
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Tgt Ion:154 Resp: 955
Ion Ratio Lower Upper
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153 115.5 89.0 133.6
152 57.3 45.2 67.8

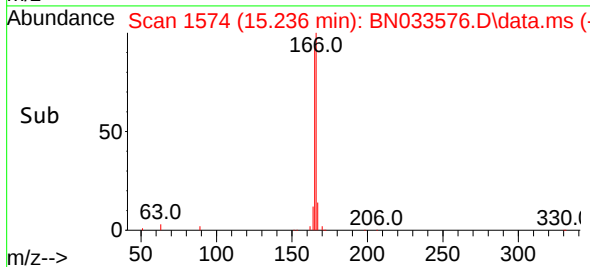
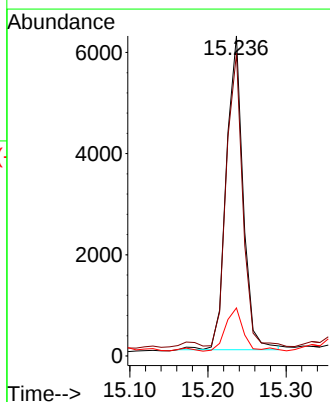
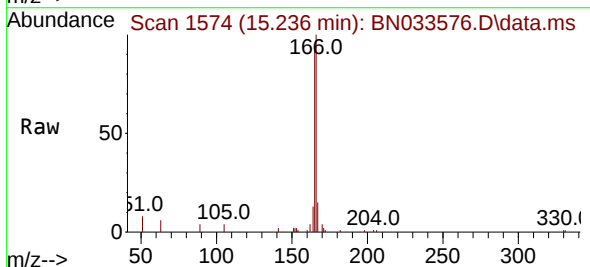
Manual Integrations
APPROVED

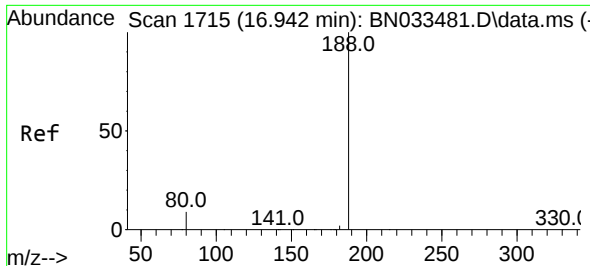
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#18
Fluorene
Concen: 0.238 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

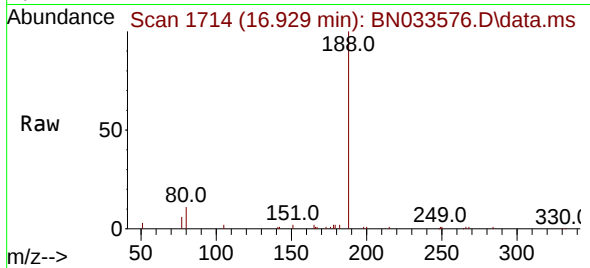
Tgt Ion:166 Resp: 9279
Ion Ratio Lower Upper
166 100
165 89.8 78.2 117.4
167 14.8 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

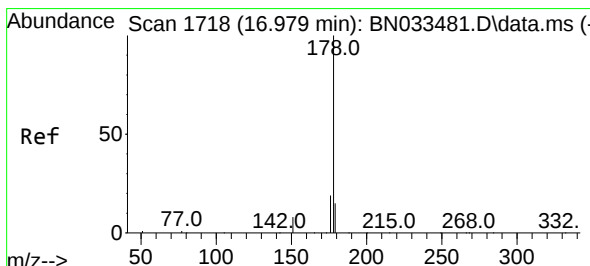
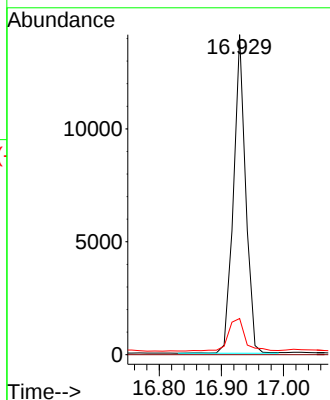
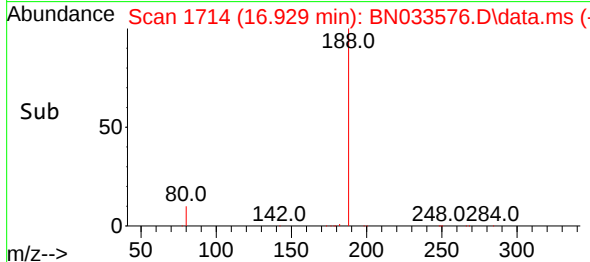
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:188 Resp: 19198
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 7.8 11.8

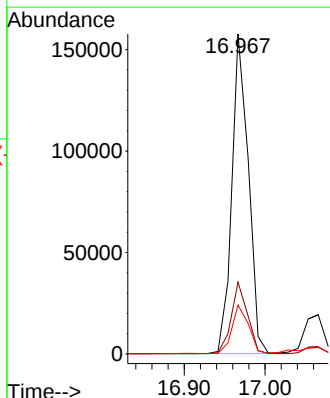
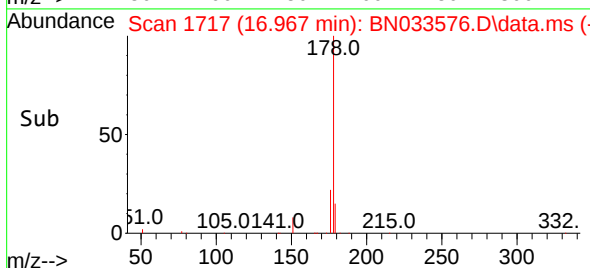
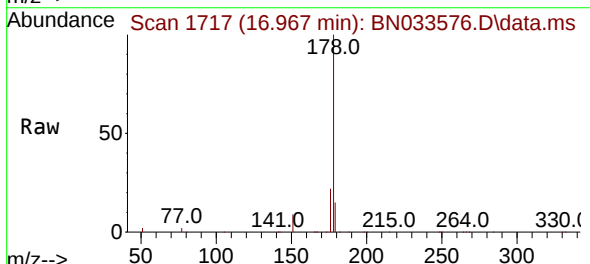
Manual Integrations
APPROVED

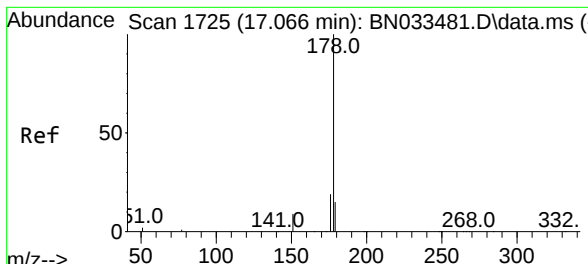
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 4.181 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

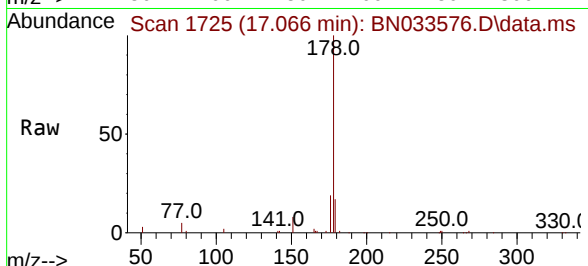
Tgt Ion:178 Resp: 223298
Ion Ratio Lower Upper
178 100
176 21.9 15.3 22.9
179 15.2 12.3 18.5





#26
 Anthracene
 Concen: 0.659 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033576.D
 Acq: 23 Aug 2024 05:54

Instrument :
 BNA_N
 ClientSampleId :
 S-906-J-0-0.5-081624

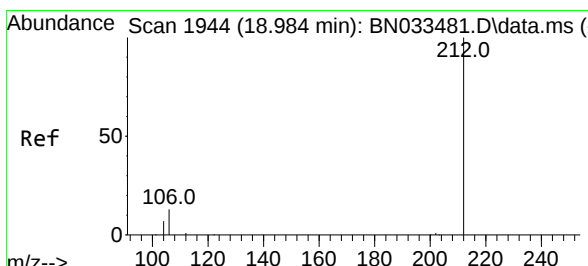
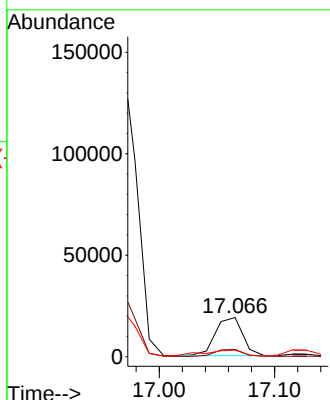
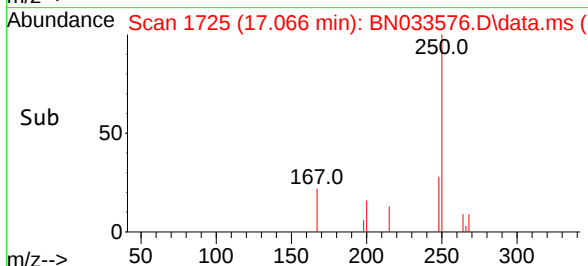


Tgt Ion: 178 Resp: 31149

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	22.0	12.4	18.6

Manual Integrations
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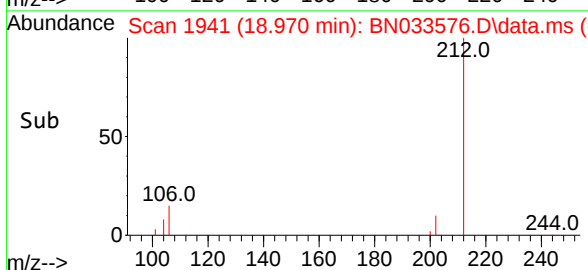
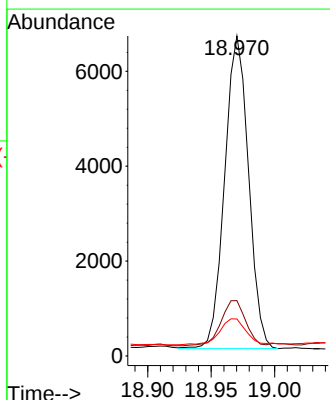
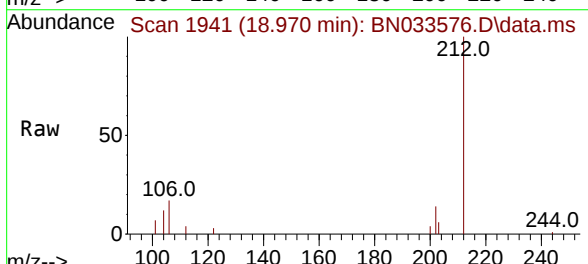
Reviewed By : Jagrut Upadhyay 08/23/2024
 Supervised By : mohammad ahmed 08/24/2024

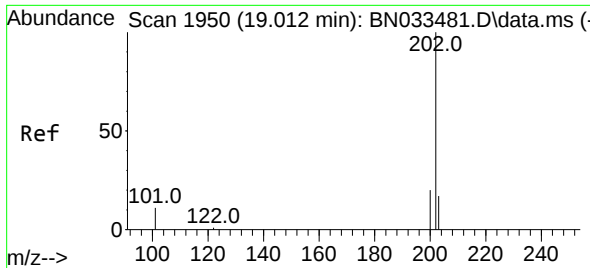


#27
 Fluoranthene-d10
 Concen: 0.187 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033576.D
 Acq: 23 Aug 2024 05:54

Tgt Ion: 212 Resp: 8608

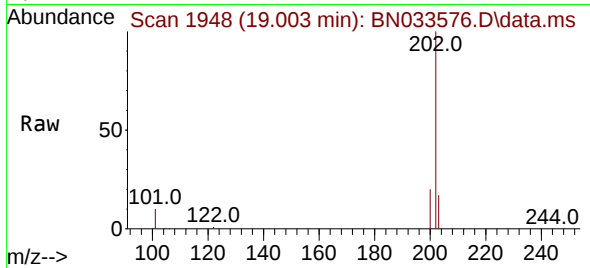
Ion	Ratio	Lower	Upper
212	100		
106	14.8	12.3	18.5
104	9.3	7.0	10.4





#28
Fluoranthene
Concen: 9.578 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

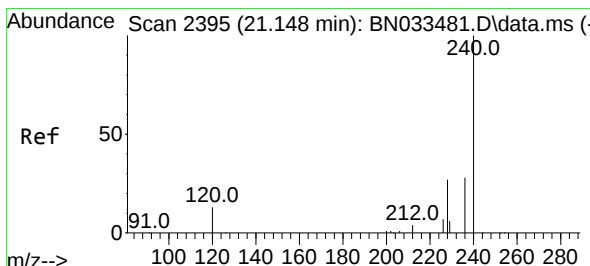
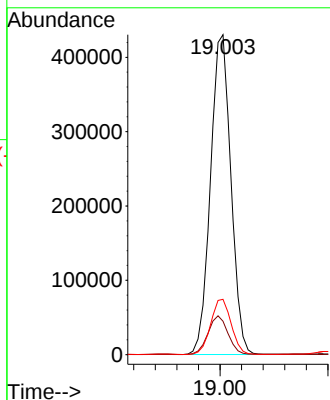
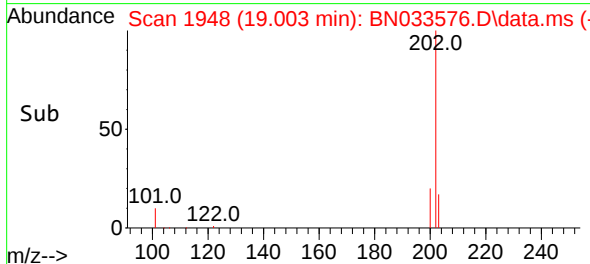
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:202 Resp: 565280
Ion Ratio Lower Upper
202 100
101 11.9 9.5 14.3
203 17.3 13.8 20.6

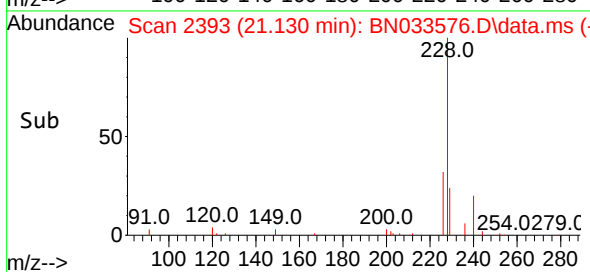
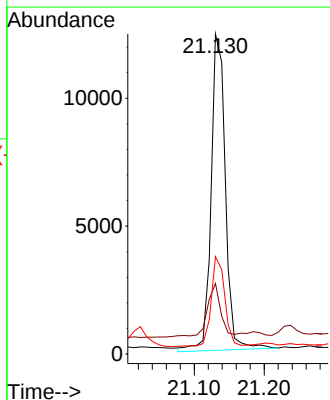
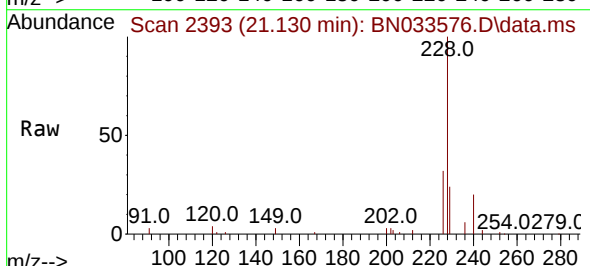
Manual Integrations
APPROVED

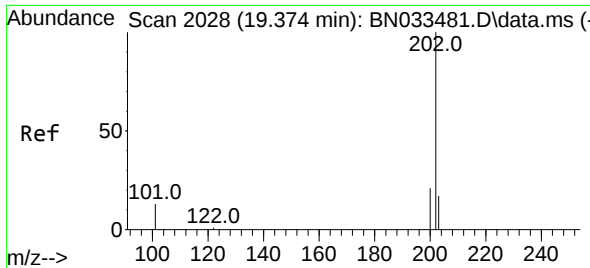
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.130 min Scan# 2393
Delta R.T. -0.009 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

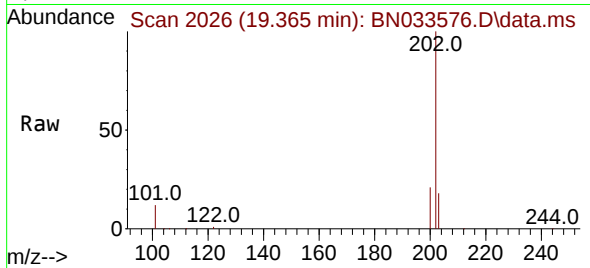
Tgt Ion:240 Resp: 17574
Ion Ratio Lower Upper
240 100
120 22.0 12.4 18.6#
236 30.4 23.0 34.6





#30
Pyrene
Concen: 6.159 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

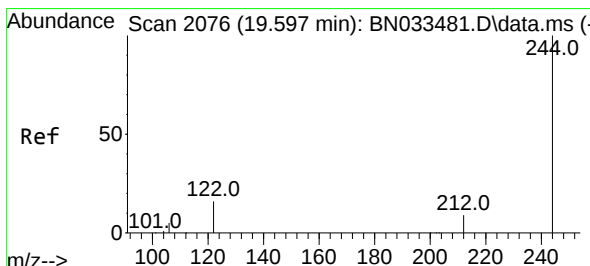
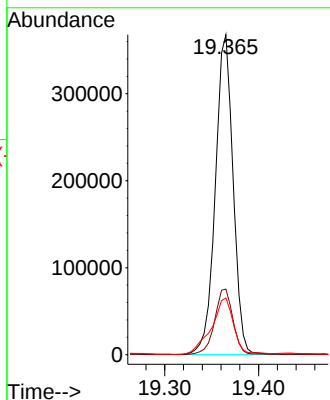
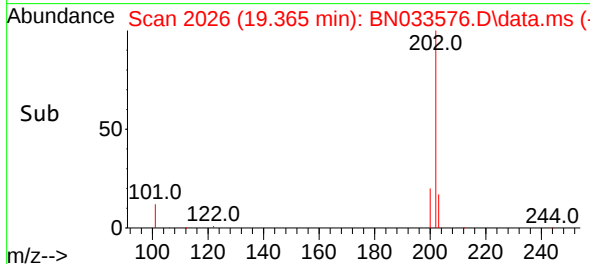
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:202 Resp: 483079
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 22.0 14.2 21.4

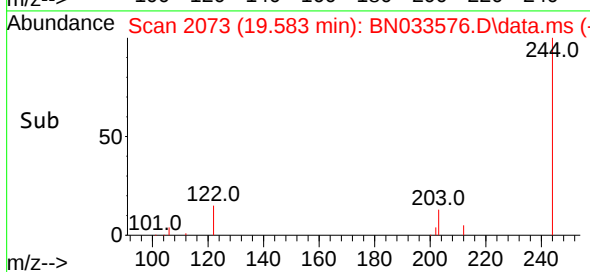
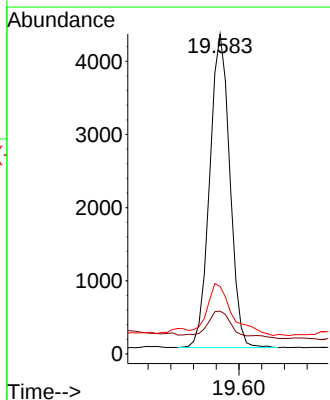
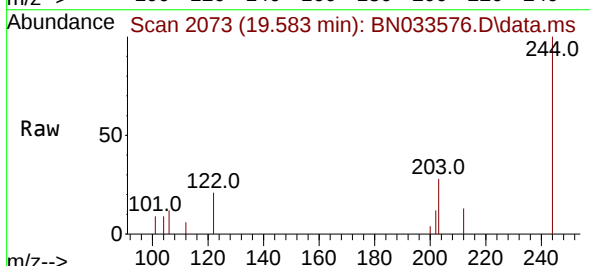
Manual Integrations
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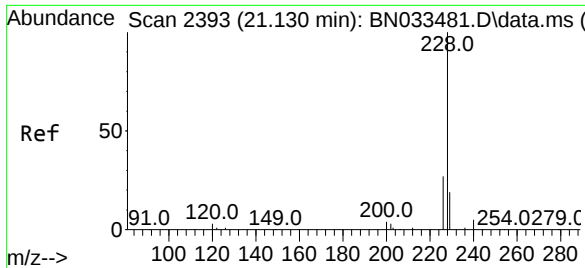
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.132 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

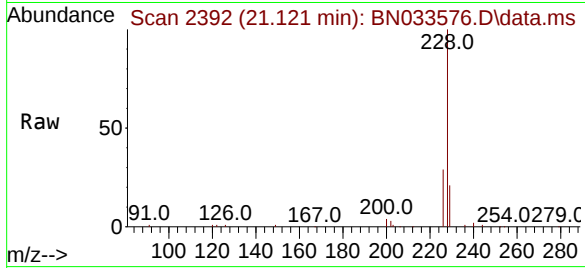
Tgt Ion:244 Resp: 5270
Ion Ratio Lower Upper
244 100
212 13.4 7.8 11.6#
122 21.1 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 3.681 ng
RT: 21.121 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

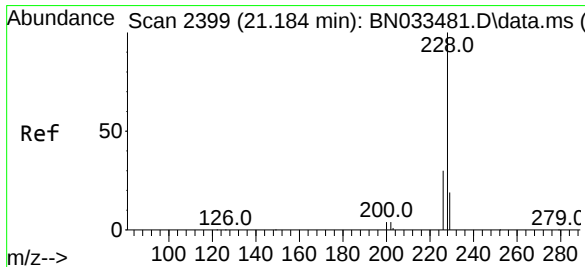
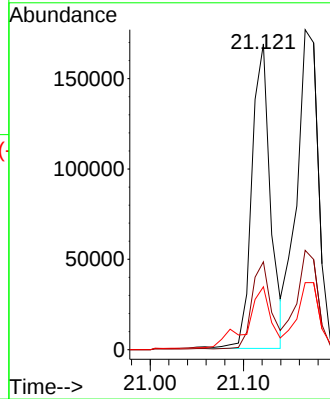
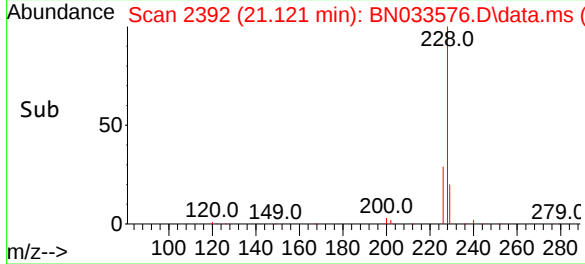
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:228 Resp: 233910
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.6
229 20.6 15.8 23.6

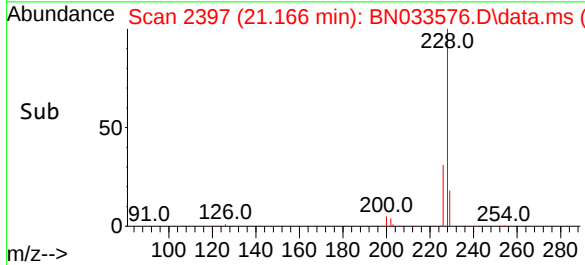
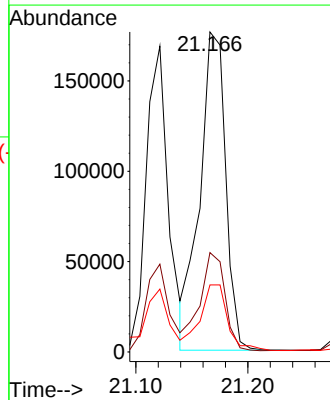
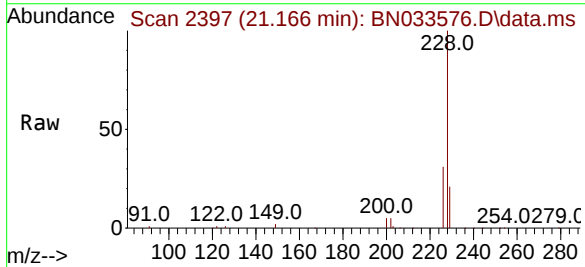
Manual Integrations
APPROVED

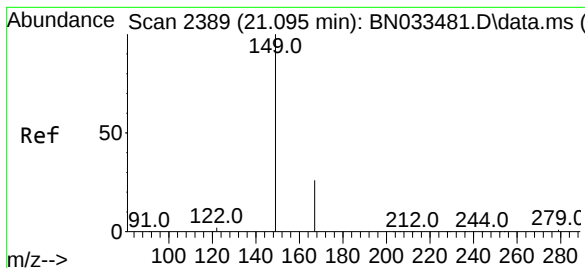
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 4.473 ng
RT: 21.166 min Scan# 2397
Delta R.T. -0.009 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

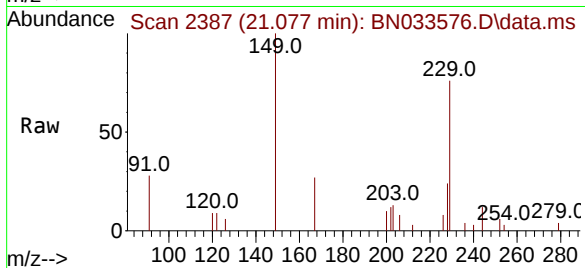
Tgt Ion:228 Resp: 282467
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.8
229 20.9 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.189 ng m
RT: 21.077 min Scan# 2107
Delta R.T. -0.009 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

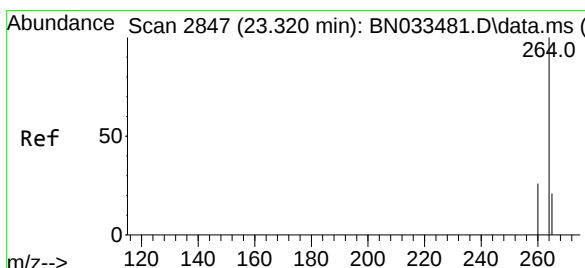
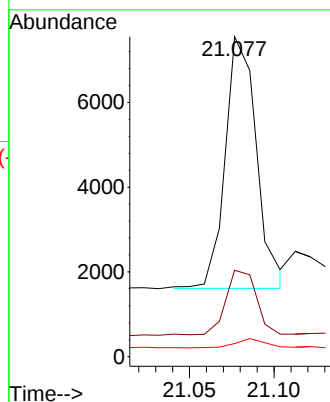
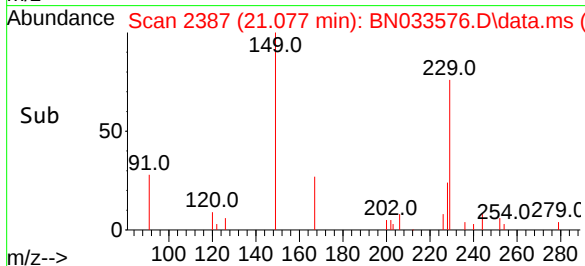
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:149 Resp: 7618
Ion Ratio Lower Upper
149 100
167 67.1 21.5 32.3
279 6.5 2.2 3.2

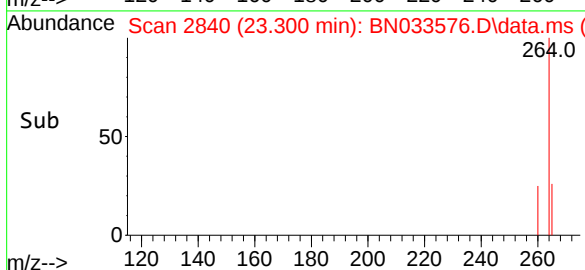
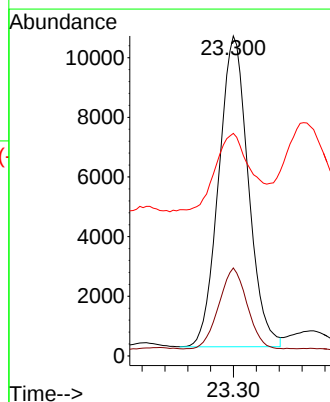
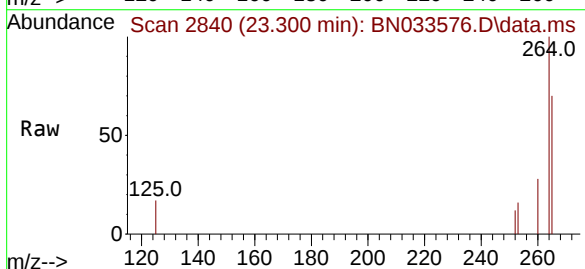
Manual Integrations
APPROVED

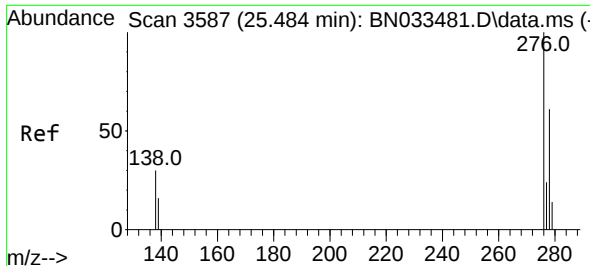
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 2840
Delta R.T. -0.003 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

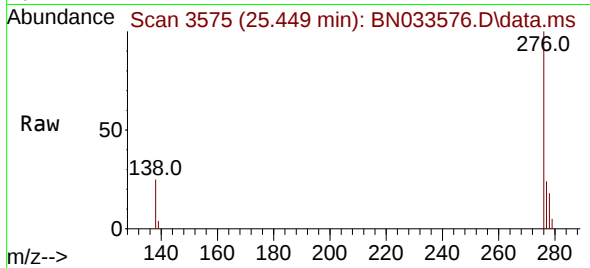
Tgt Ion:264 Resp: 18720
Ion Ratio Lower Upper
264 100
260 27.5 20.8 31.2
265 69.6 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.685 ng
RT: 25.449 min Scan# 3587
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

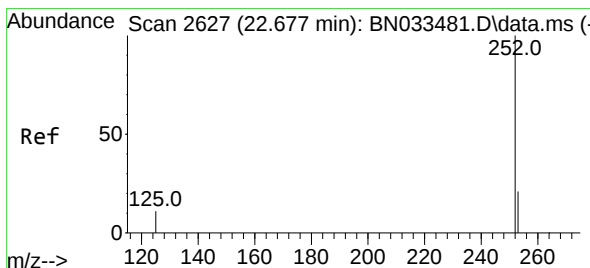
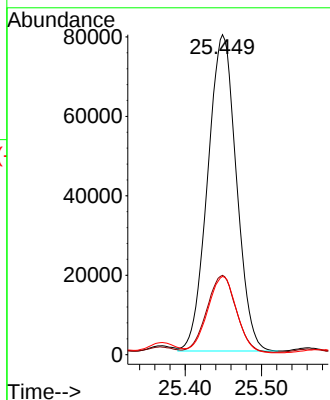
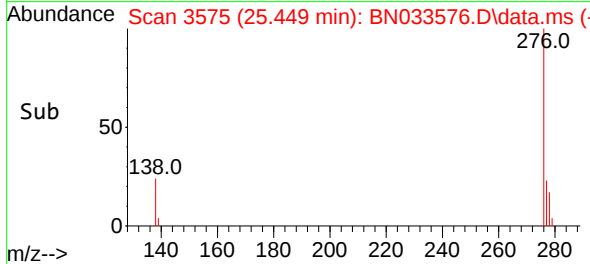
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:276 Resp: 20869
Ion Ratio Lower Upper
276 100
138 24.8 24.4 36.6
277 24.4 19.8 29.6

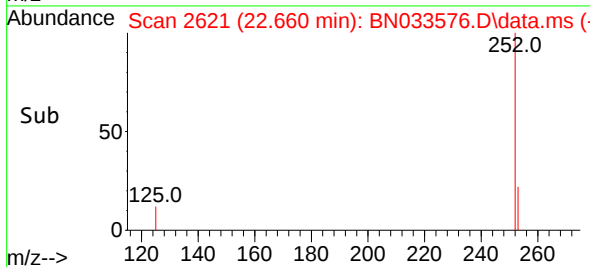
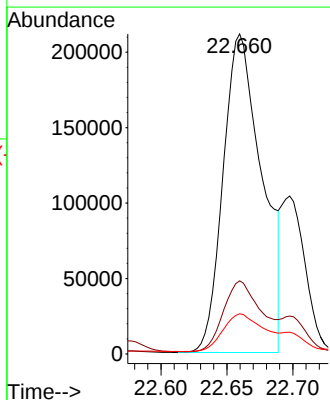
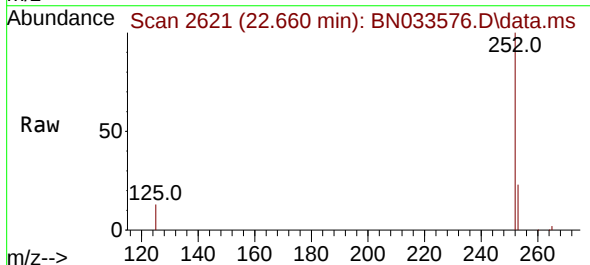
Manual Integrations
APPROVED

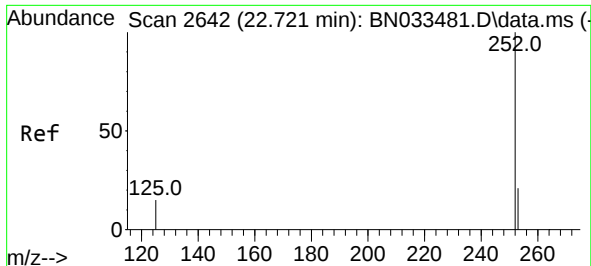
Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 6.185 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

Tgt Ion:252 Resp: 432377
Ion Ratio Lower Upper
252 100
253 22.9 19.8 29.8
125 12.6 13.9 20.9#





#38

Benzo(k)fluoranthene

Concen: 1.875 ng m

RT: 22.698 min Scan# 20

Delta R.T. -0.006 min

Lab File: BN033576.D

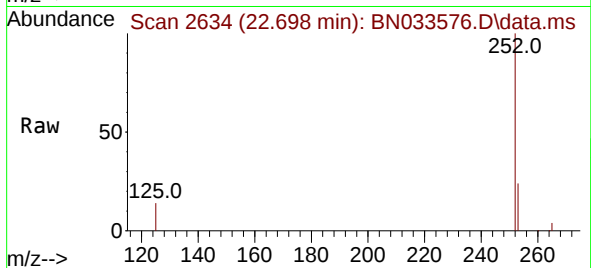
Acq: 23 Aug 2024 05:54

Instrument :

BNA_N

ClientSampleId :

S-906-J-0-0.5-081624



Tgt Ion:252 Resp: 129038

Ion Ratio Lower Upper

252 100

253 24.0 19.8 29.8

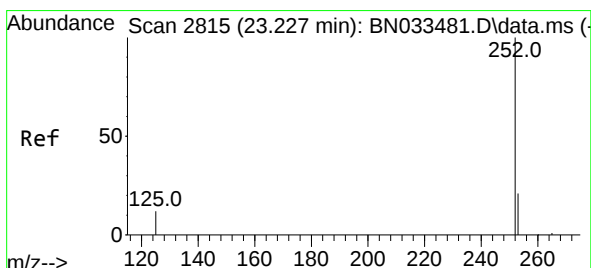
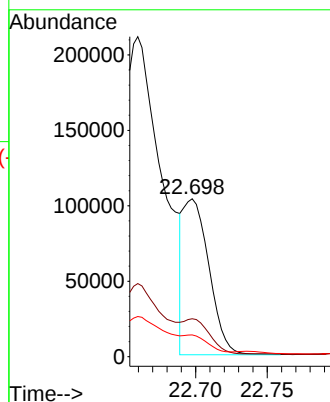
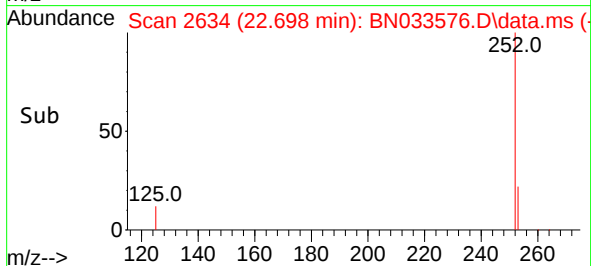
125 13.8 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#39

Benzo(a)pyrene

Concen: 4.356 ng m

RT: 23.203 min Scan# 2807

Delta R.T. -0.006 min

Lab File: BN033576.D

Acq: 23 Aug 2024 05:54

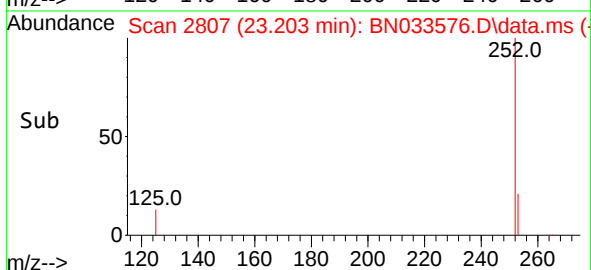
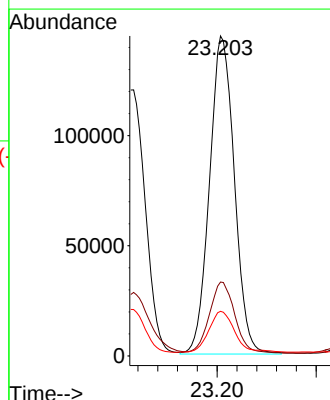
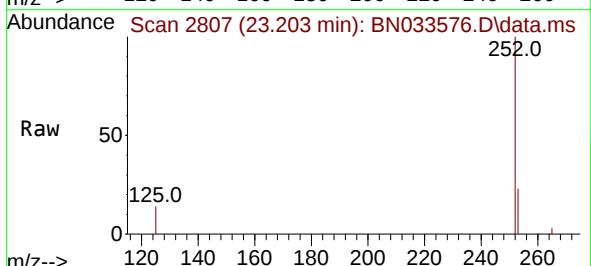
Tgt Ion:252 Resp: 251986

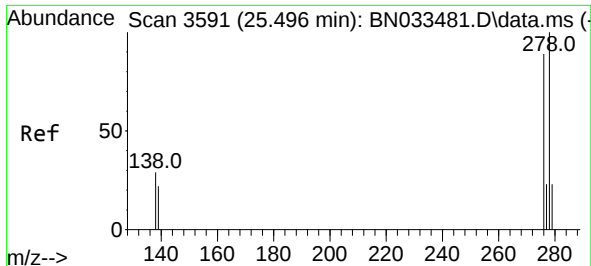
Ion Ratio Lower Upper

252 100

253 23.1 21.5 32.3

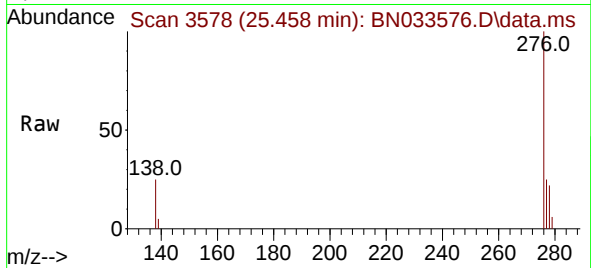
125 14.0 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.743 ng
RT: 25.458 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

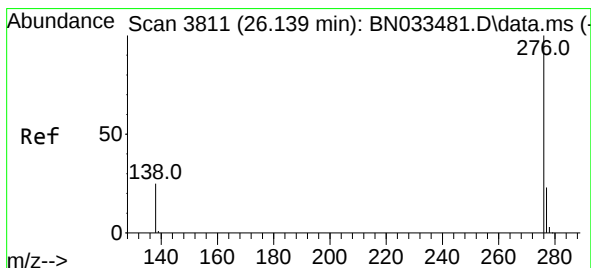
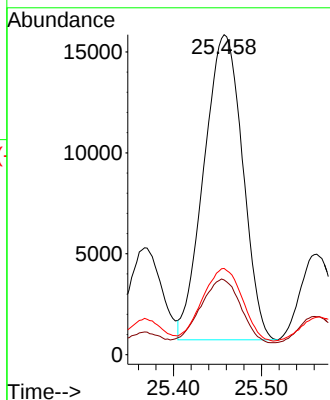
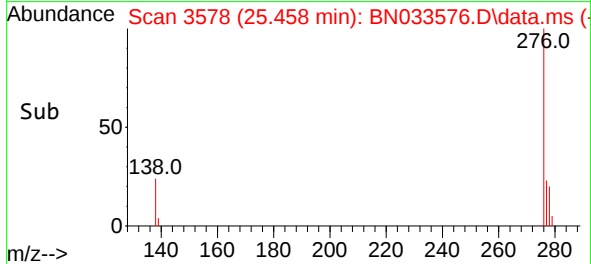
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624



Tgt Ion:278 Resp: 46160
Ion Ratio Lower Upper
278 100
139 23.3 19.1 28.7
279 26.9 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 3.182 ng
RT: 26.104 min Scan# 3799
Delta R.T. -0.000 min
Lab File: BN033576.D
Acq: 23 Aug 2024 05:54

Tgt Ion:276 Resp: 211442
Ion Ratio Lower Upper
276 100
277 23.9 19.7 29.5
138 25.4 21.8 32.6

