

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033590.D
 Acq On : 23 Aug 2024 15:23
 Operator : MA/JU
 Sample : P3660-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0-0.5-081624

Quant Time: Aug 23 15:49:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	6922	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	18522	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	8844	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	17081	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	14445	0.400	ng	# 0.00
35) Perylene-d12	23.312	264	16231	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3841	0.175	ng	0.00
5) Phenol-d6	6.736	99	4916	0.188	ng	0.00
8) Nitrobenzene-d5	8.681	82	3571	0.232	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	4901	0.185	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	978	0.206	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6027	0.167	ng	0.00
27) Fluoranthene-d10	18.975	212	5244	0.128	ng	0.00
31) Terphenyl-d14	19.588	244	3536	0.108	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	14265	0.288	ng	99
12) 2-Methylnaphthalene	11.975	142	4334	0.138	ng	97
16) Acenaphthylene	13.900	152	10479	0.270	ng	99
17) Acenaphthene	14.242	154	20926	0.767	ng	98
18) Fluorene	15.236	166	30274	0.880	ng	97
25) Phenanthrene	16.967	178	408709	8.601	ng	100
26) Anthracene	17.066	178	105267	2.504	ng	97
28) Fluoranthene	19.003	202	720582	13.722	ng	100
30) Pyrene	19.365	202	604209	9.372	ng	# 93
32) Benzo(a)anthracene	21.121	228	349643	6.695	ng	98
33) Chrysene	21.175	228	312652	6.023	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	47416m	1.434	ng	
36) Indeno(1,2,3-cd)pyrene	25.463	276	236474	3.509	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	451626	7.451	ng	# 93
38) Benzo(k)fluoranthene	22.706	252	168273m	2.821	ng	
39) Benzo(a)pyrene	23.215	252	325994m	6.500	ng	
40) Dibenzo(a,h)anthracene	25.472	278	57144	1.061	ng	98
41) Benzo(g,h,i)perylene	26.118	276	233672	4.055	ng	97

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

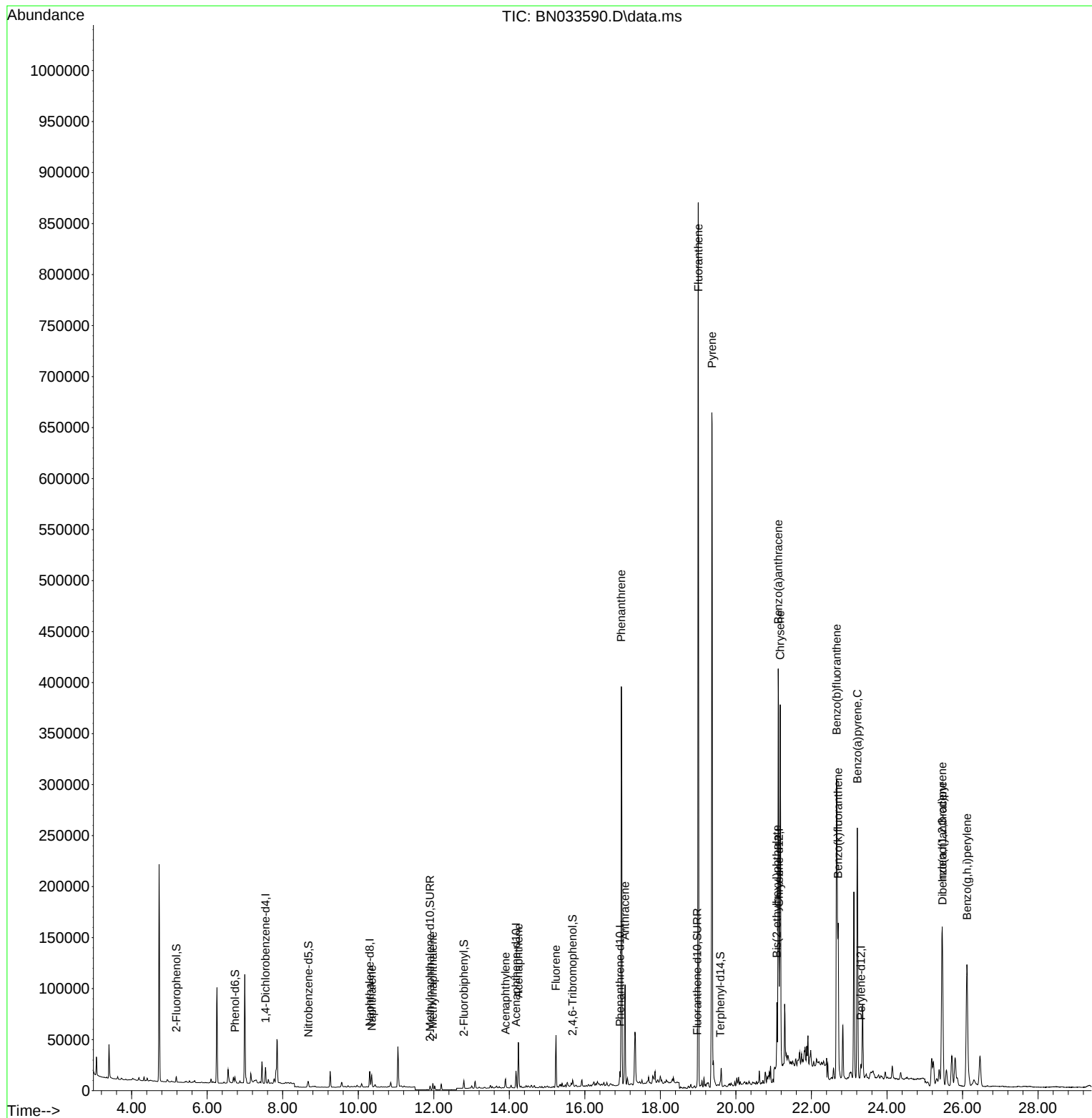
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033590.D
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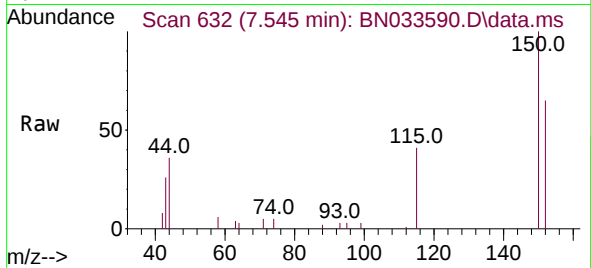
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

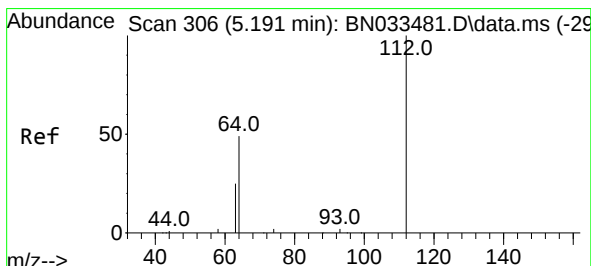
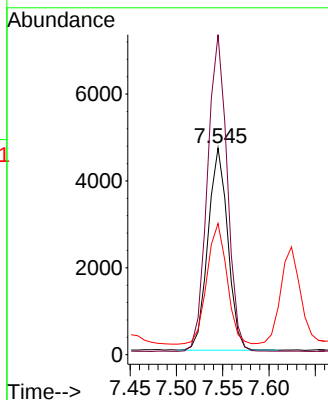
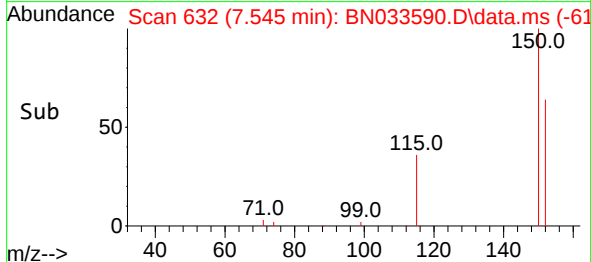
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:152 Resp: 692
Ion Ratio Lower Upper
152 100
150 154.8 122.2 183.2
115 63.5 47.2 70.8

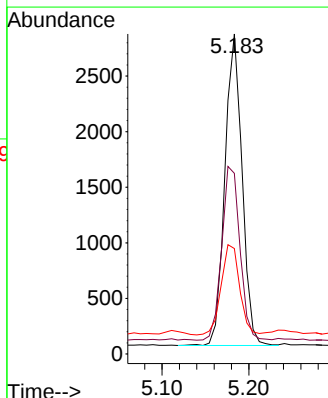
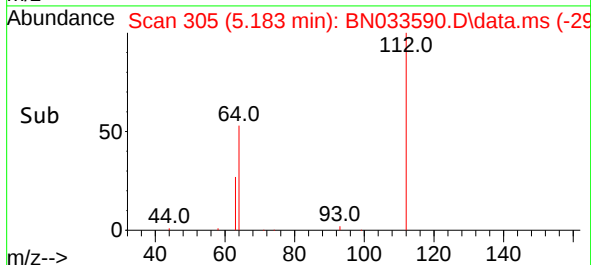
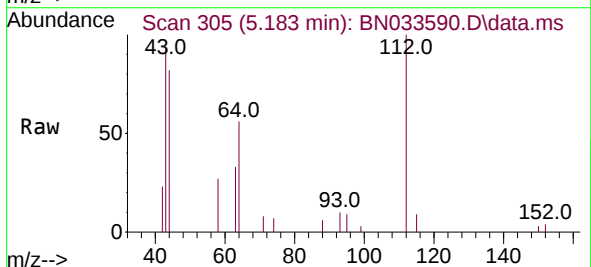
Manual Integrations
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Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.175 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

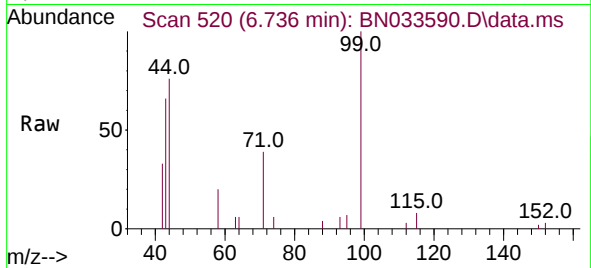
Tgt Ion:112 Resp: 3841
Ion Ratio Lower Upper
112 100
64 59.1 47.1 70.7
63 31.1 24.9 37.3





#5
Phenol-d6
Concen: 0.188 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

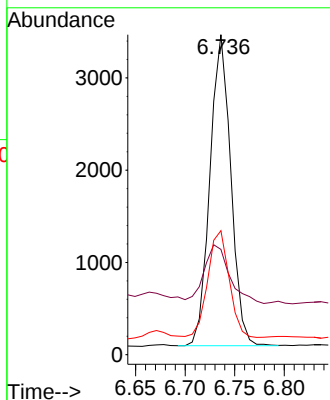
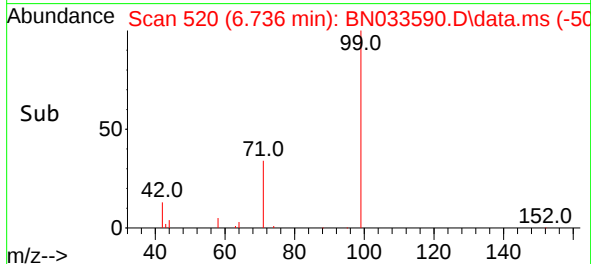
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BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



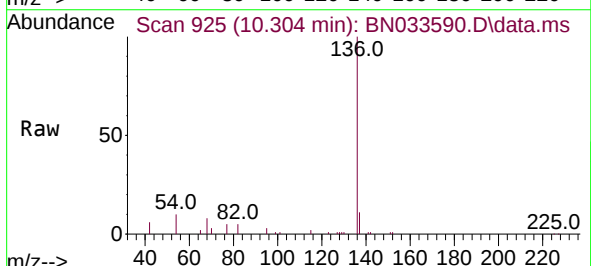
Tgt Ion: 99 Resp: 4910
Ion Ratio Lower Upper
99 100
42 23.1 16.6 24.8
71 35.6 26.2 39.4

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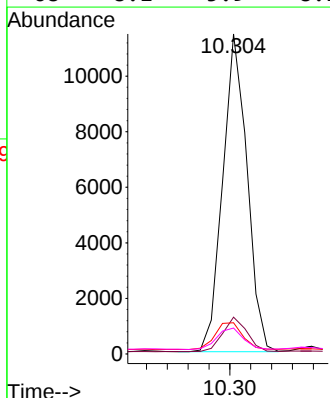
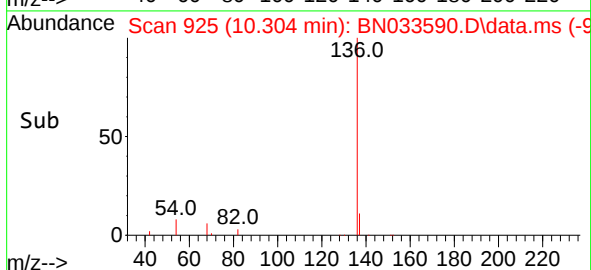
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23



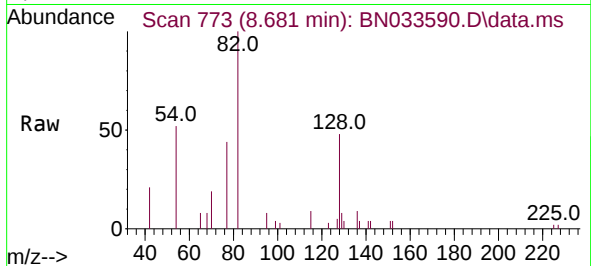
Tgt Ion:136 Resp: 18522
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.7 8.3 12.5
68 8.1 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.232 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

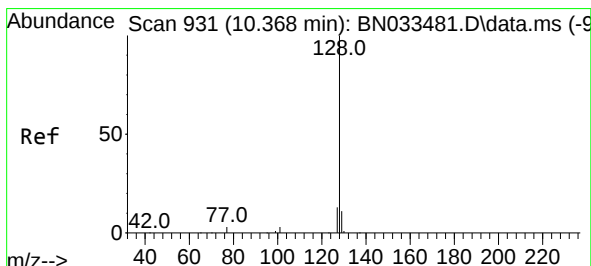
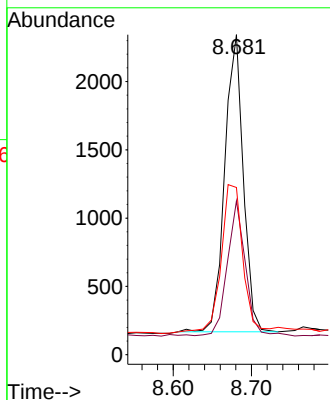
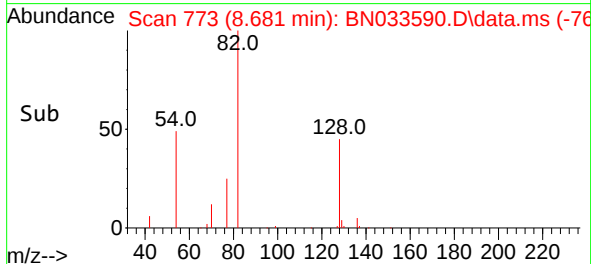
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion: 82 Resp: 357
Ion Ratio Lower Upper
82 100
128 48.1 36.0 54.0
54 52.2 42.0 63.0

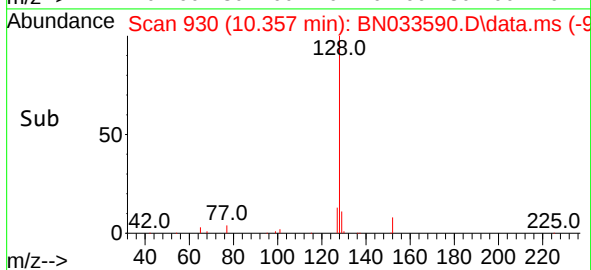
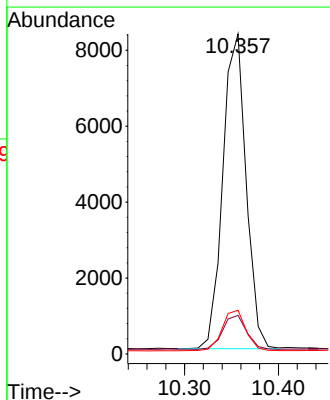
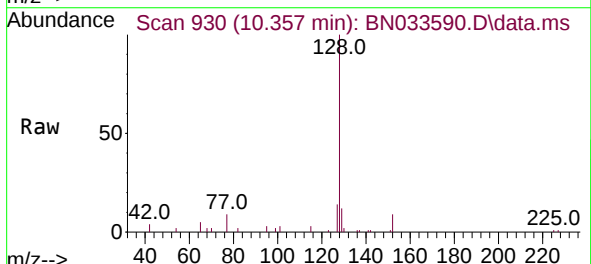
Manual Integrations
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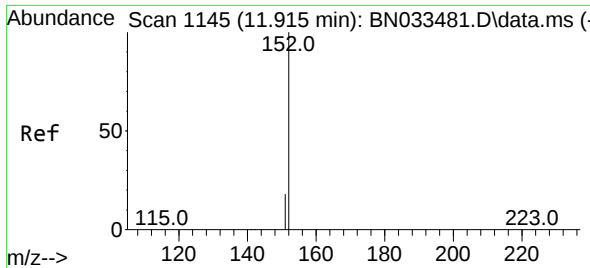
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.288 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

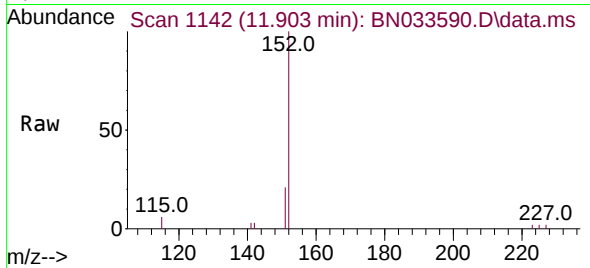
Tgt Ion:128 Resp: 14265
Ion Ratio Lower Upper
128 100
129 12.0 9.1 13.7
127 13.7 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.185 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

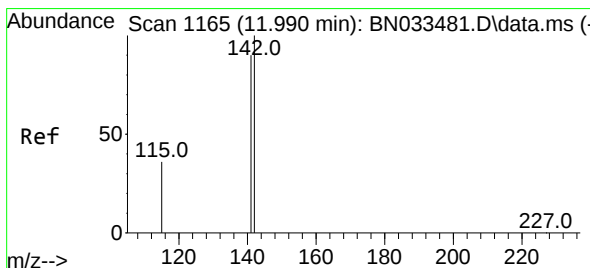
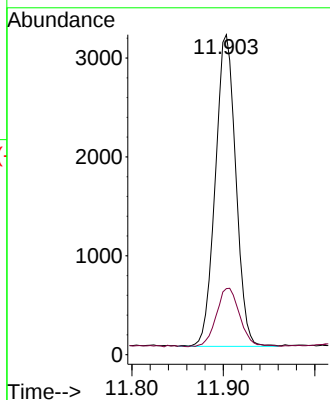
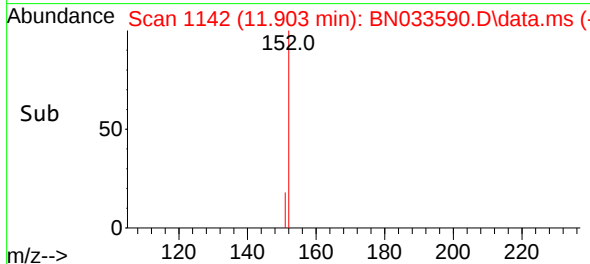
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



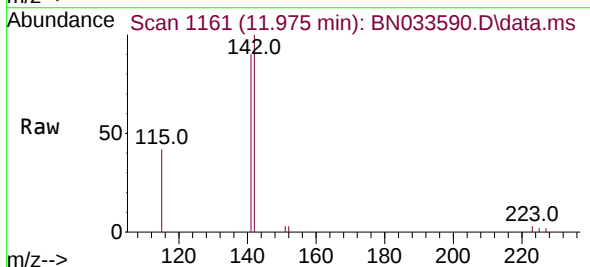
Tgt Ion:152 Resp: 490
Ion Ratio Lower Upper
152 100
151 21.6 16.6 25.0

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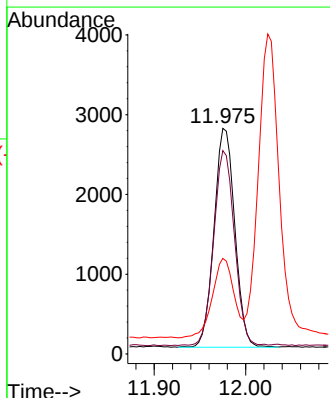
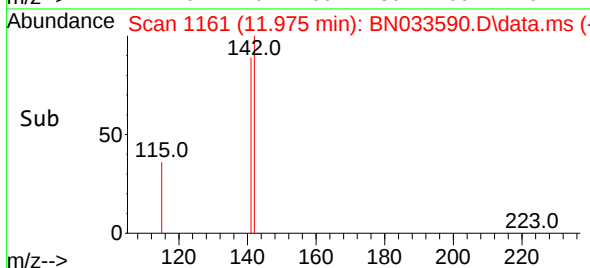
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

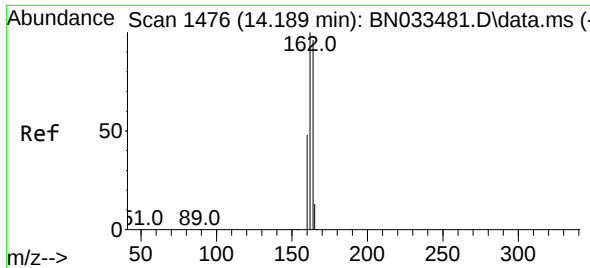


#12
2-Methylnaphthalene
Concen: 0.138 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23



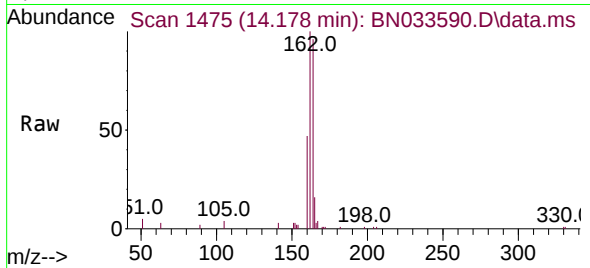
Tgt Ion:142 Resp: 4334
Ion Ratio Lower Upper
142 100
141 90.1 71.7 107.5
115 42.3 29.4 44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

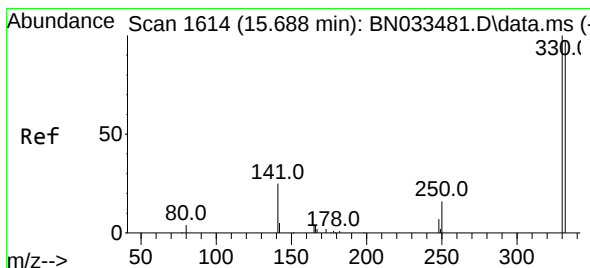
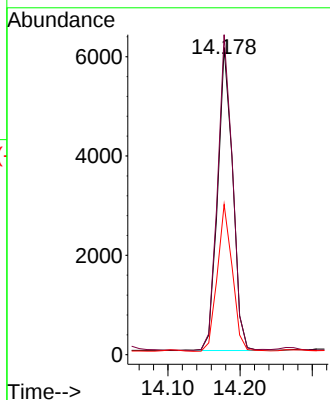
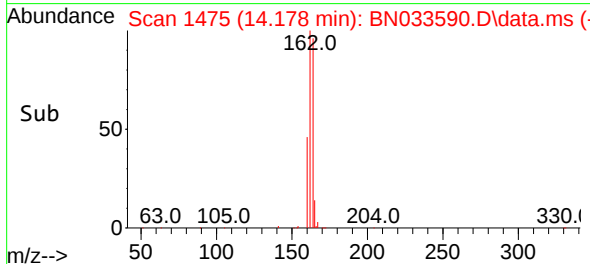
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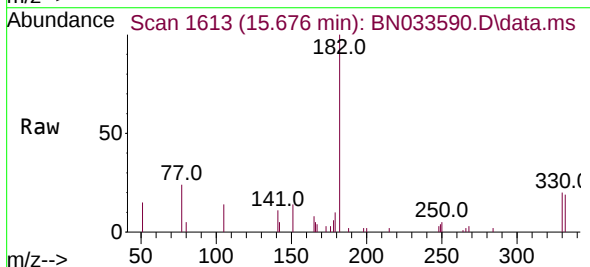
Tgt Ion:164 Resp: 884
Ion Ratio Lower Upper
164 100
162 104.2 83.5 125.3
160 48.9 40.2 60.4

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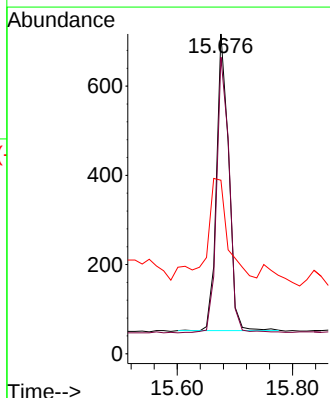
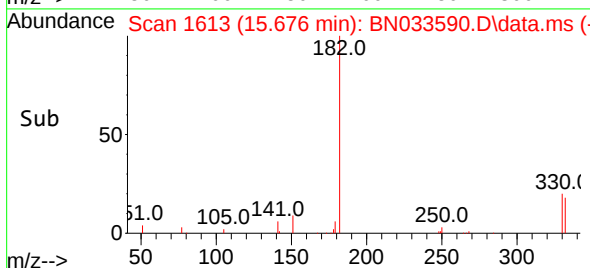
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

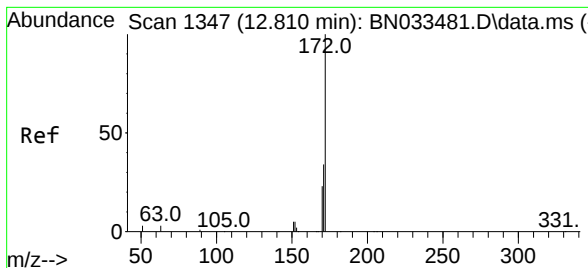


#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23



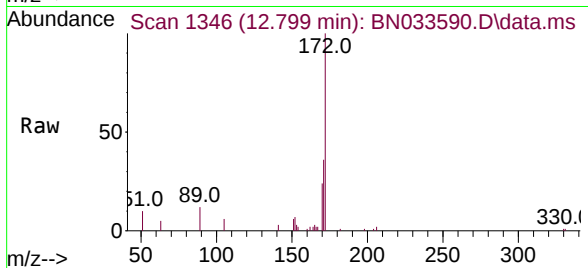
Tgt Ion:330 Resp: 978
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 52.7 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.167 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

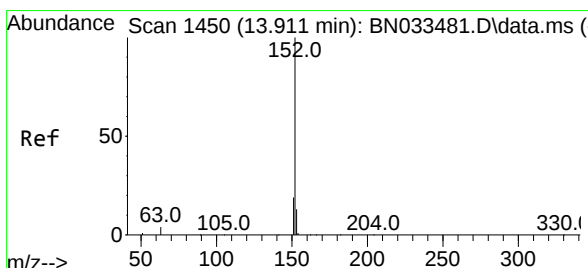
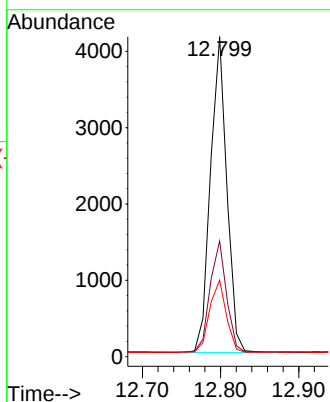
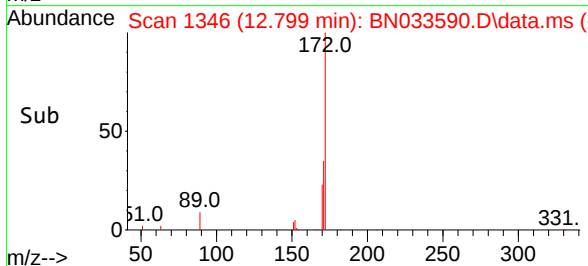
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Tgt Ion:172 Resp: 602
Ion Ratio Lower Upper
172 100
171 36.2 27.7 41.5
170 23.9 18.3 27.5

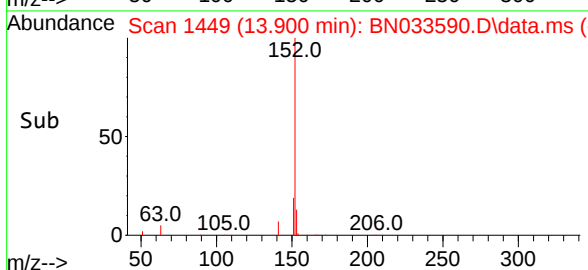
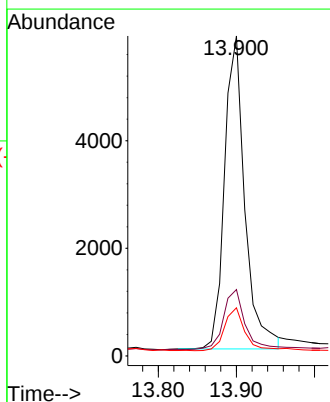
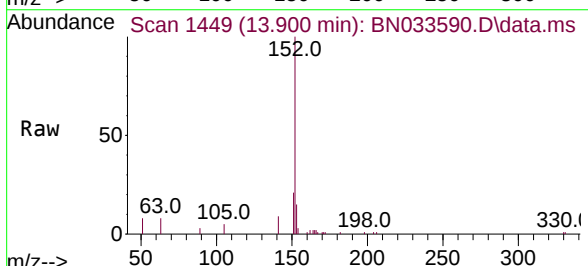
Manual Integrations
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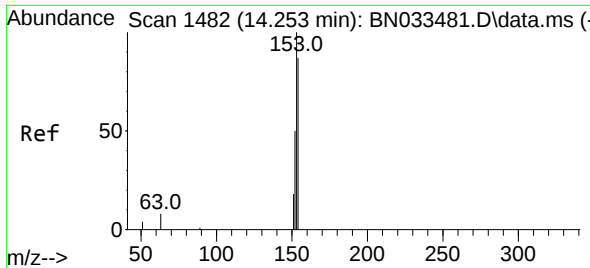
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.270 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

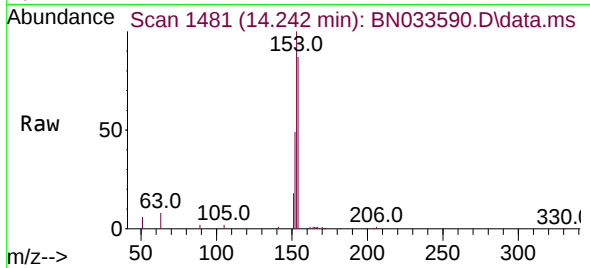
Tgt Ion:152 Resp: 10479
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.6 10.3 15.5





#17
Acenaphthene
Concen: 0.767 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

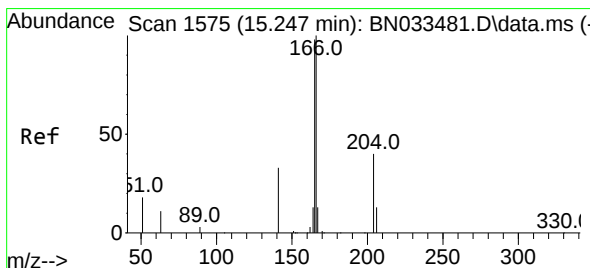
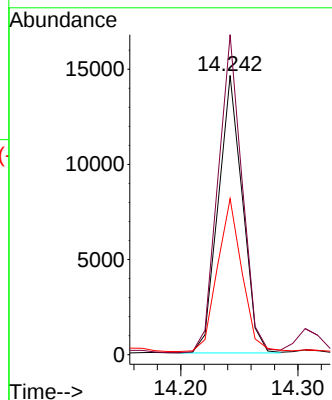
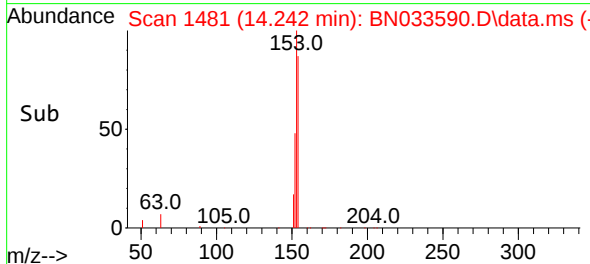
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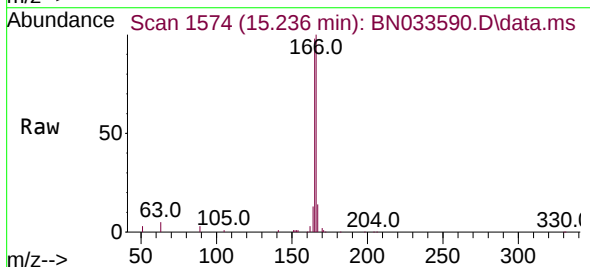
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Ion Ratio Lower Upper
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153 113.9 89.0 133.6
152 55.6 45.2 67.8

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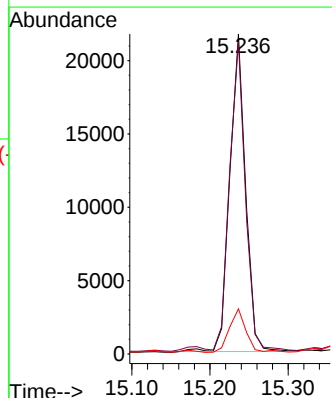
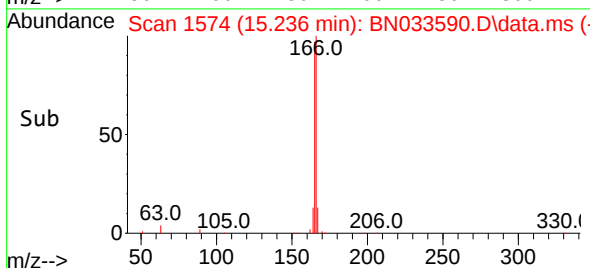
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

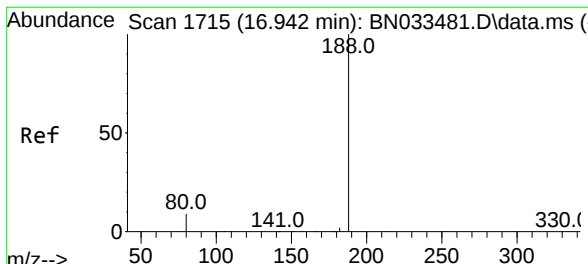


#18
Fluorene
Concen: 0.880 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23



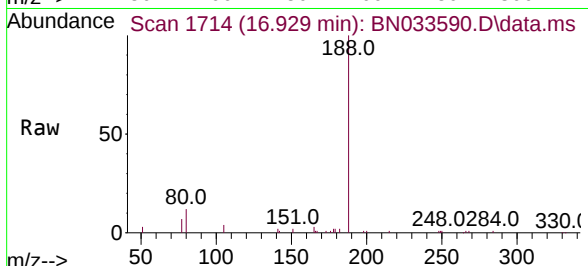
Tgt Ion:166 Resp: 30274
Ion Ratio Lower Upper
166 100
165 95.1 78.2 117.4
167 14.4 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

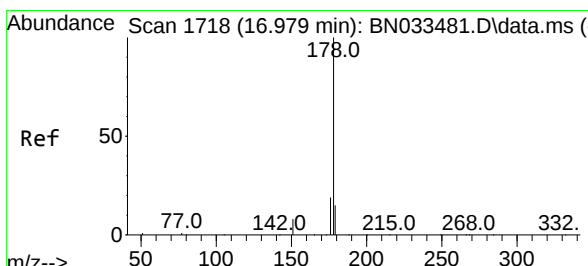
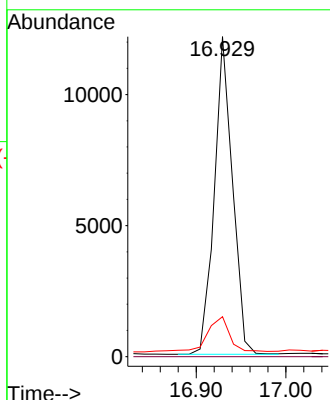
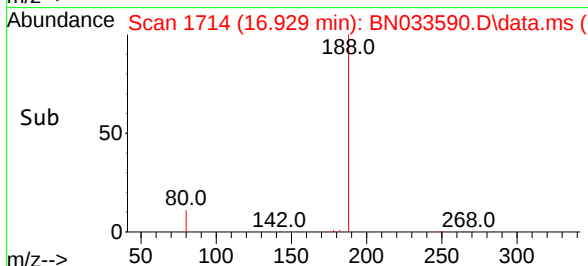
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:188 Resp: 1708
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 7.8 11.8

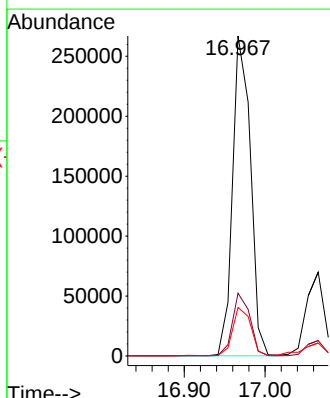
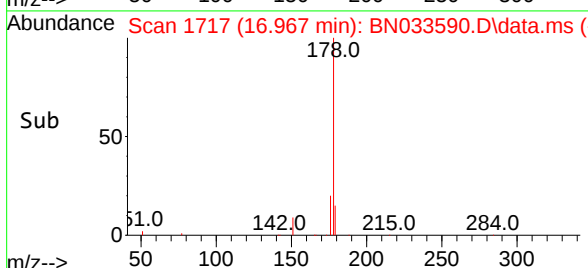
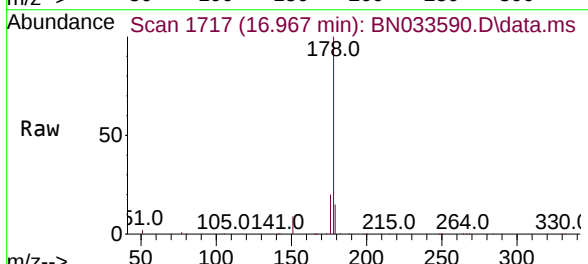
Manual Integrations
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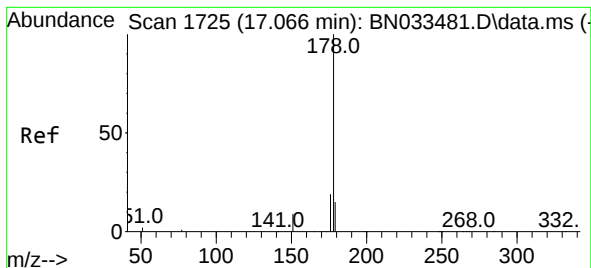
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 8.601 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

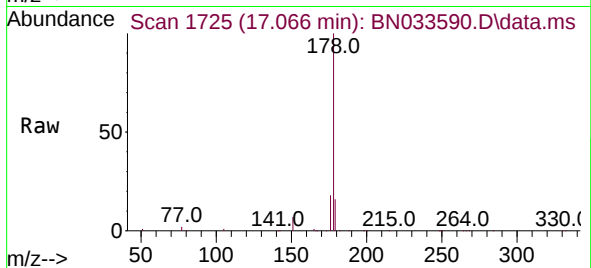
Tgt Ion:178 Resp: 408709
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 12.3 18.5





#26
 Anthracene
 Concen: 2.504 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033590.D
 Acq: 23 Aug 2024 15:23

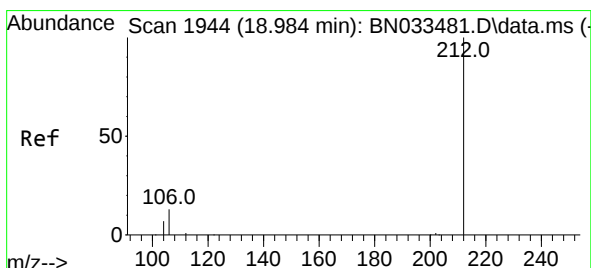
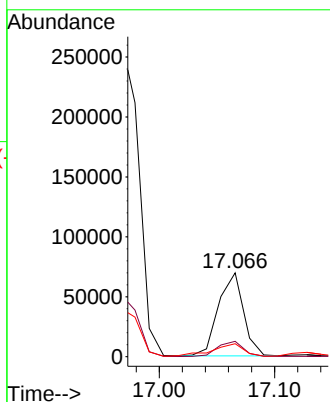
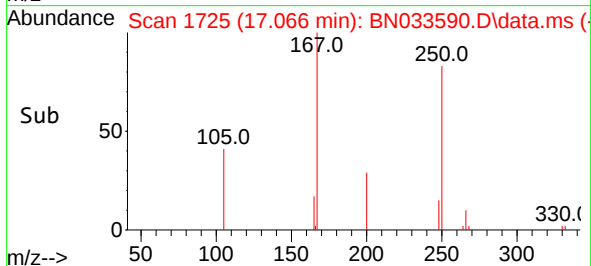
Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0-0.5-081624



Tgt Ion:178 Resp: 10526
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 18.3 12.4 18.6

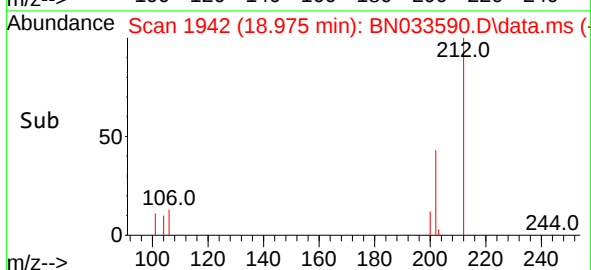
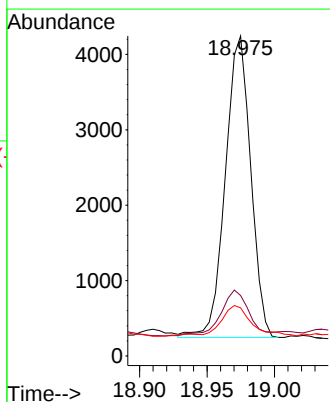
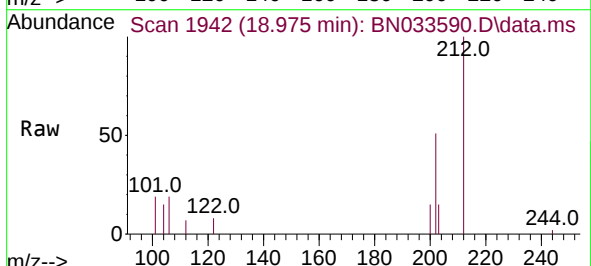
Manual Integrations
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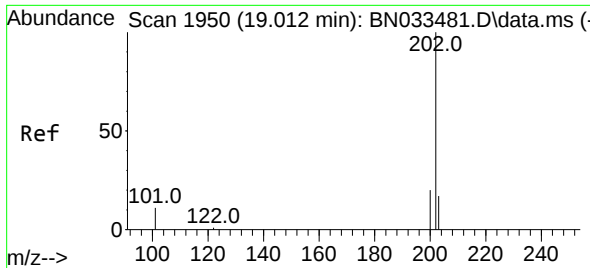
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.128 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. 0.005 min
 Lab File: BN033590.D
 Acq: 23 Aug 2024 15:23

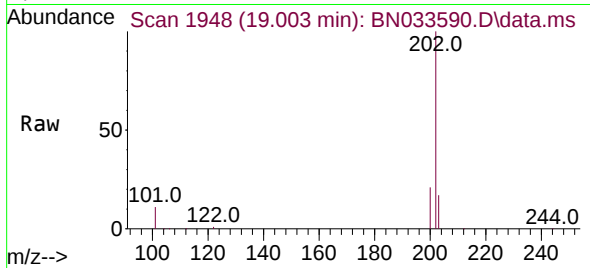
Tgt Ion:212 Resp: 5244
 Ion Ratio Lower Upper
 212 100
 106 16.8 12.3 18.5
 104 12.4 7.0 10.4#





#28
Fluoranthene
Concen: 13.722 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

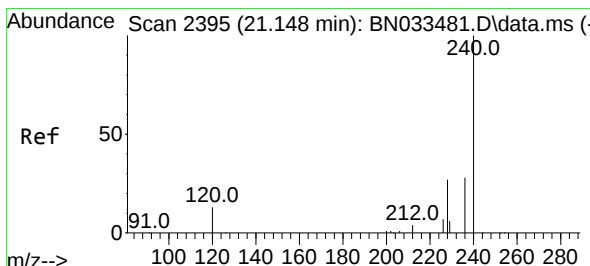
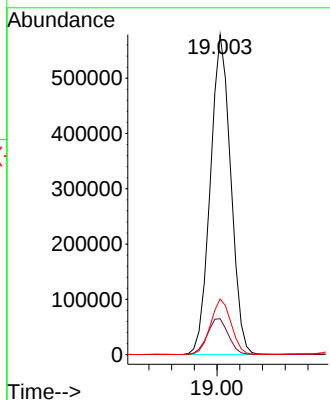
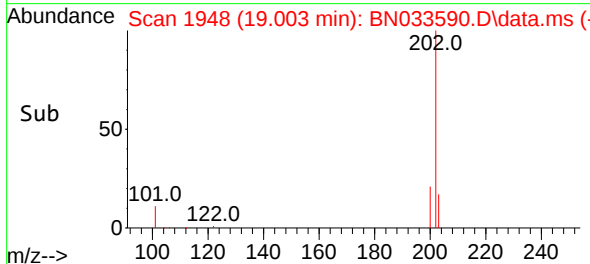
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:202 Resp: 72058
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.4 13.8 20.6

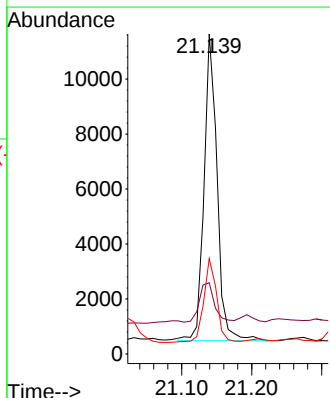
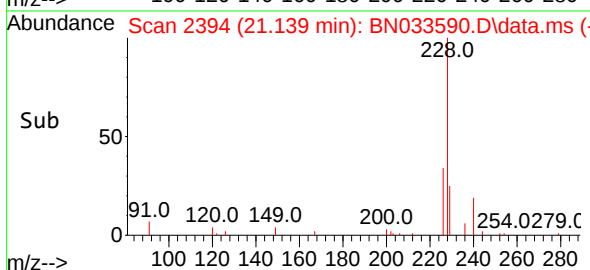
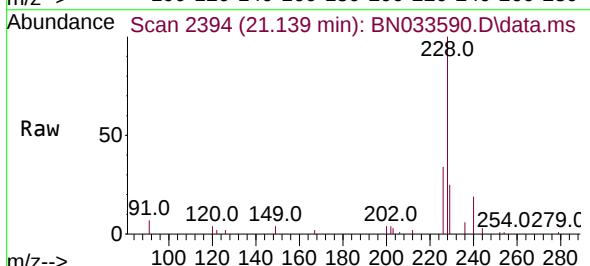
Manual Integrations
APPROVED

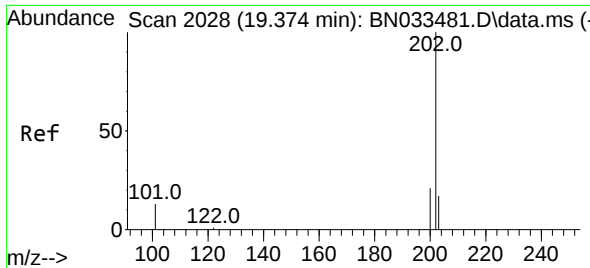
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

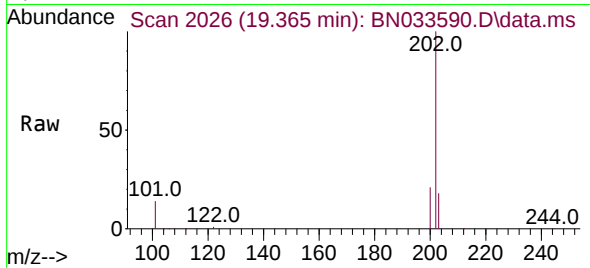
Tgt Ion:240 Resp: 14445
Ion Ratio Lower Upper
240 100
120 22.2 12.4 18.6#
236 29.8 23.0 34.6





#30
Pyrene
Concen: 9.372 ng
RT: 19.365 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

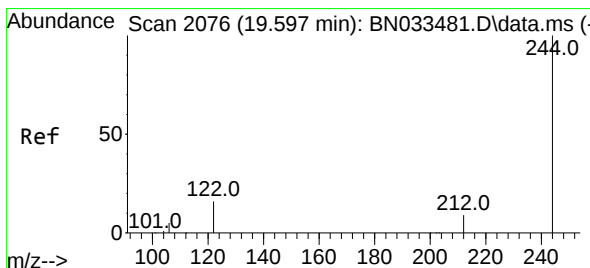
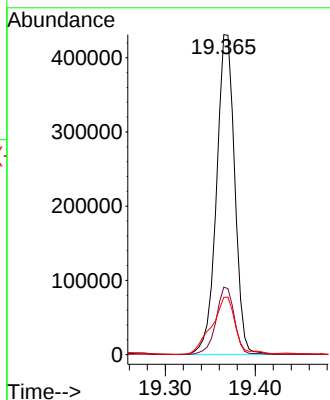
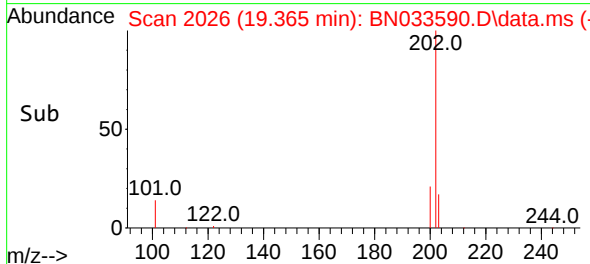
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:202 Resp: 604209
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 23.4 14.2 21.4

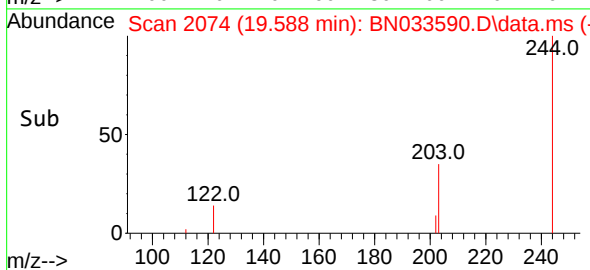
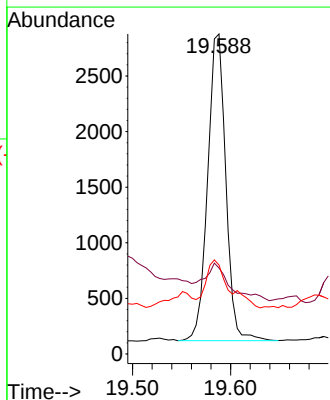
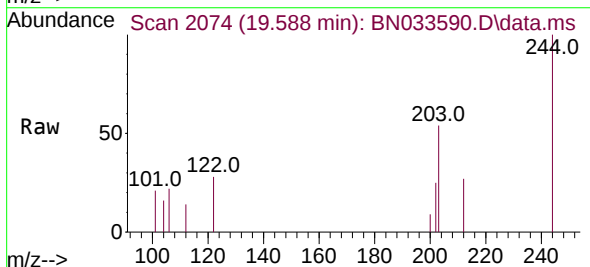
Manual Integrations
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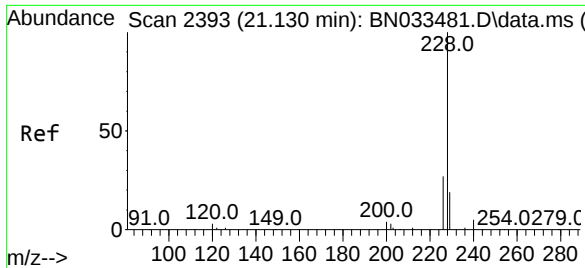
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.108 ng
RT: 19.588 min Scan# 2074
Delta R.T. 0.005 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

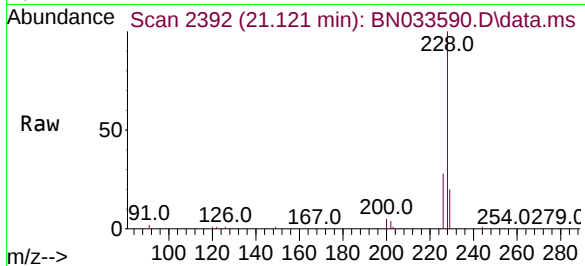
Tgt Ion:244 Resp: 3536
Ion Ratio Lower Upper
244 100
212 26.9 7.8 11.6#
122 27.8 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 6.695 ng
RT: 21.121 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

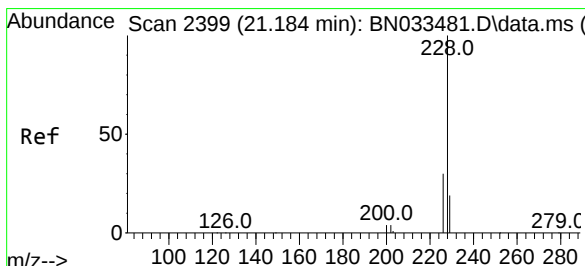
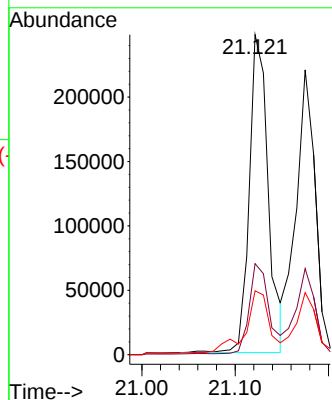
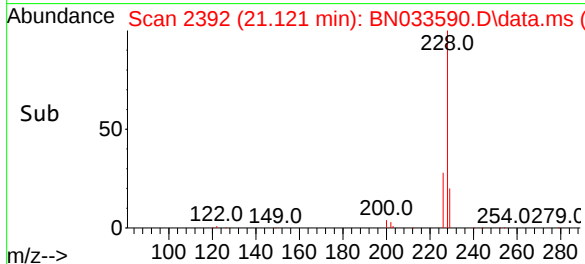
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:228 Resp: 34964
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.6
229 20.0 15.8 23.6

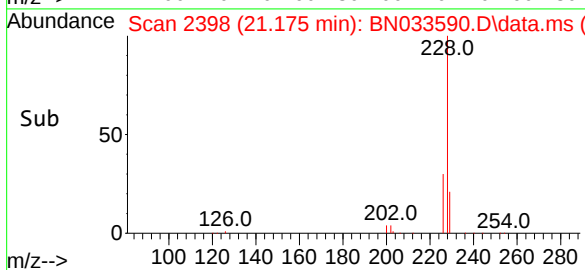
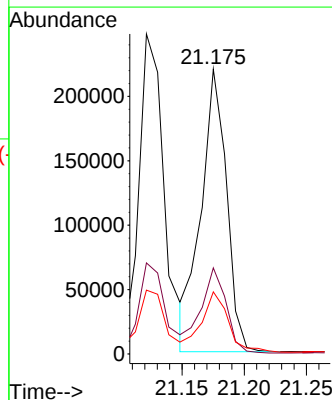
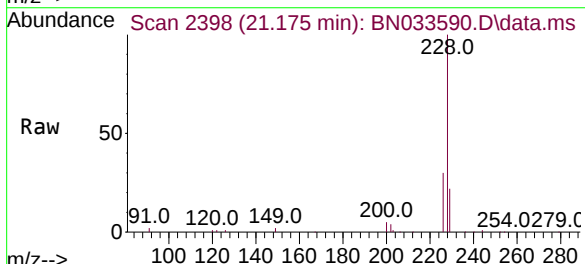
Manual Integrations
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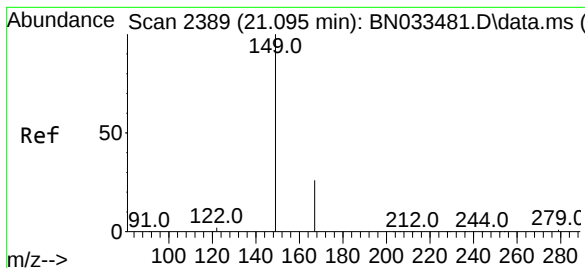
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 6.023 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

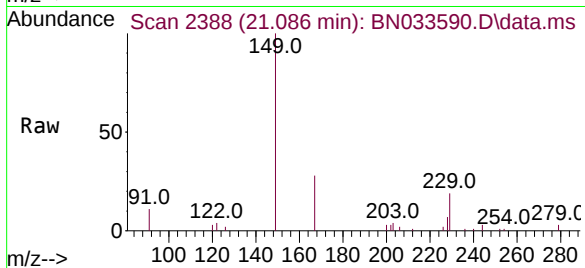
Tgt Ion:228 Resp: 312652
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 21.8 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.434 ng m
RT: 21.086 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

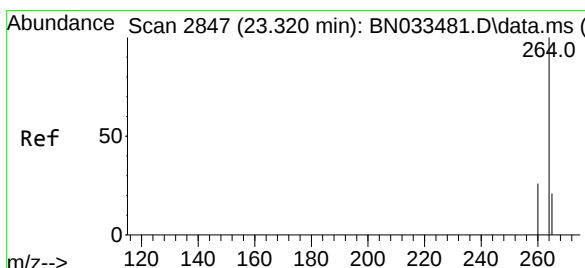
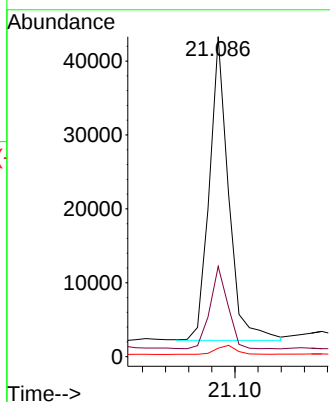
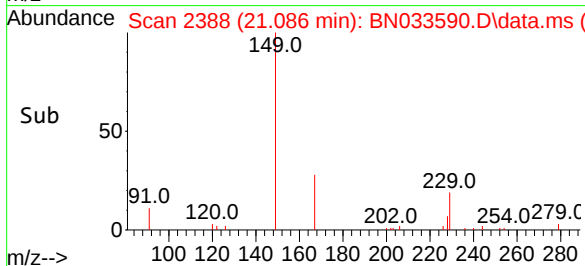
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:149 Resp: 47410
Ion Ratio Lower Upper
149 100
167 28.2 21.5 32.3
279 3.5 2.2 3.2

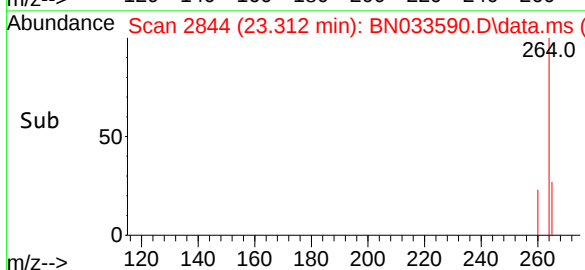
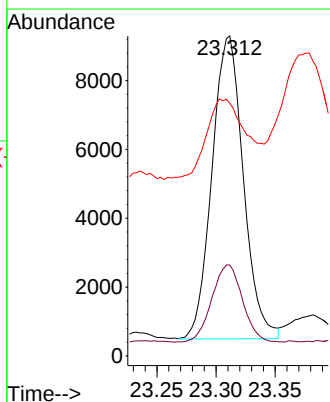
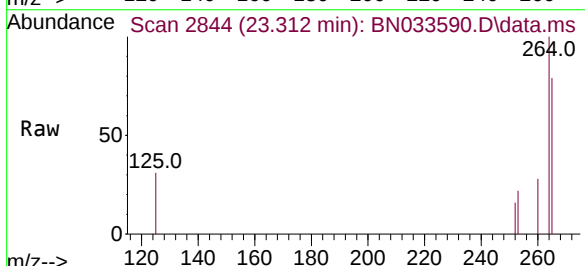
Manual Integrations
APPROVED

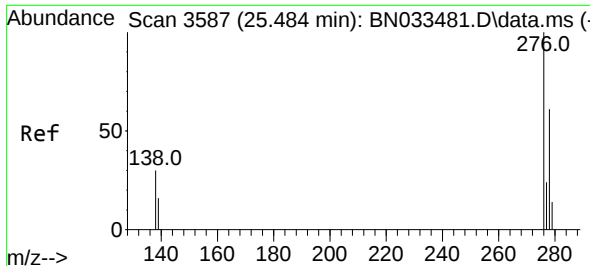
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.312 min Scan# 2844
Delta R.T. 0.009 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

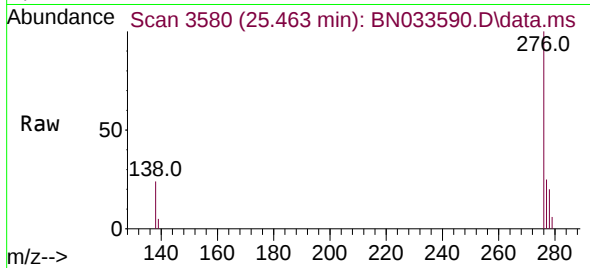
Tgt Ion:264 Resp: 16231
Ion Ratio Lower Upper
264 100
260 28.4 20.8 31.2
265 79.0 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.509 ng
RT: 25.463 min Scan# 3587
Delta R.T. 0.014 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

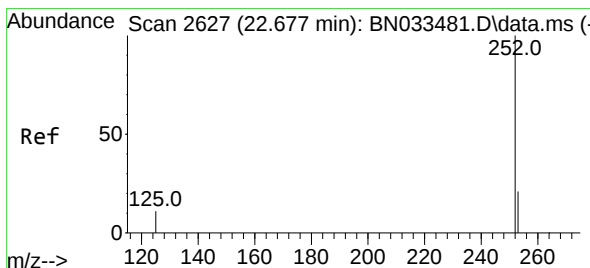
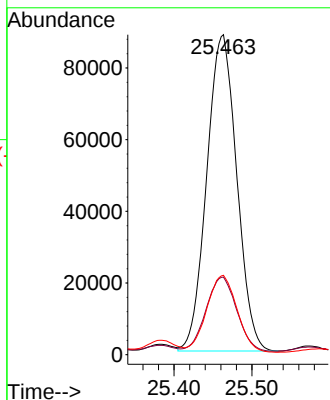
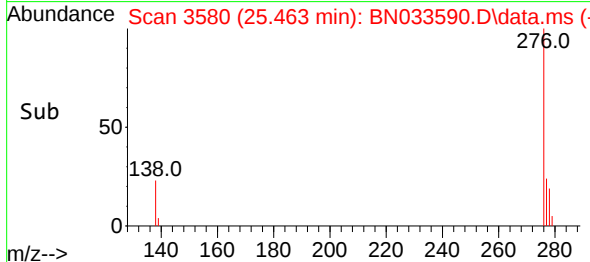
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:276 Resp: 236474
Ion Ratio Lower Upper
276 100
138 23.9 24.4 36.6
277 24.5 19.8 29.6

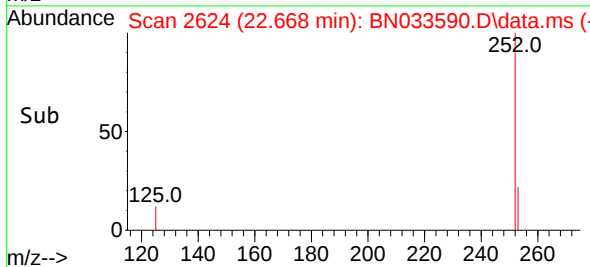
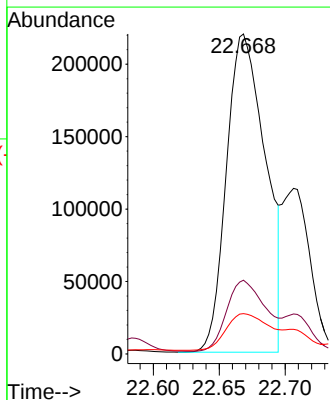
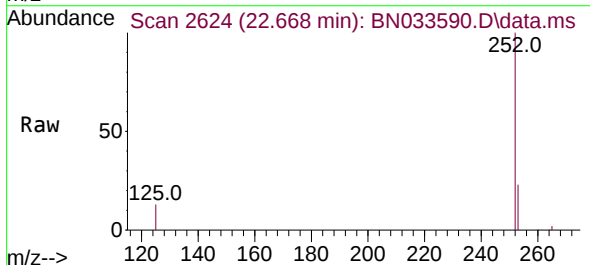
Manual Integrations
APPROVED

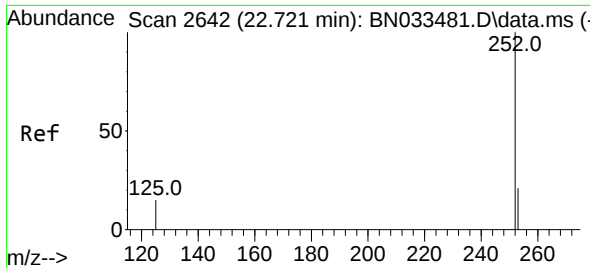
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#37
Benzo(b)fluoranthene
Concen: 7.451 ng
RT: 22.668 min Scan# 2624
Delta R.T. 0.009 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

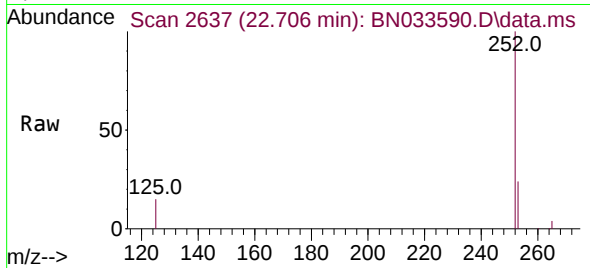
Tgt Ion:252 Resp: 451626
Ion Ratio Lower Upper
252 100
253 23.1 19.8 29.8
125 12.6 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 2.821 ng m
RT: 22.706 min Scan# 2642
Delta R.T. 0.003 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

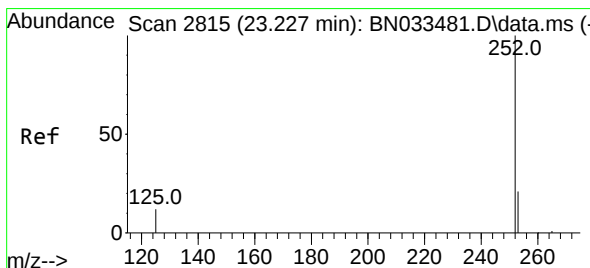
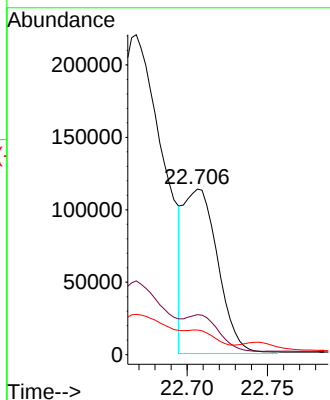
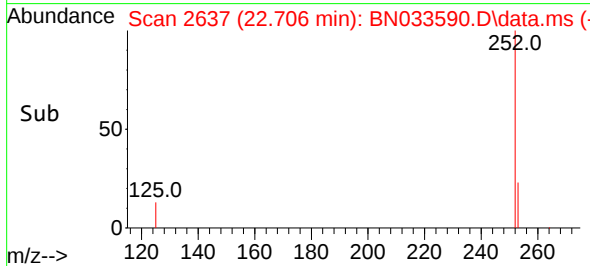
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:252 Resp: 16827
Ion Ratio Lower Upper
252 100
253 24.1 19.8 29.8
125 14.9 15.8 23.8

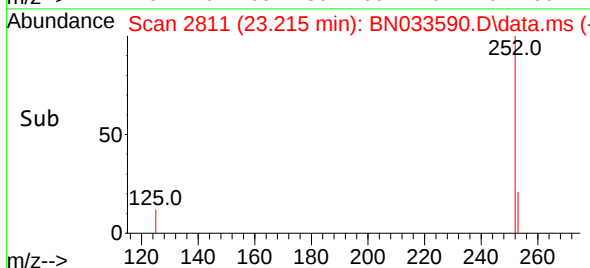
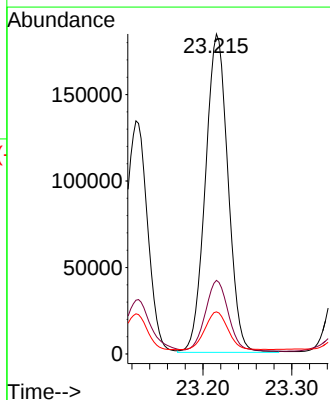
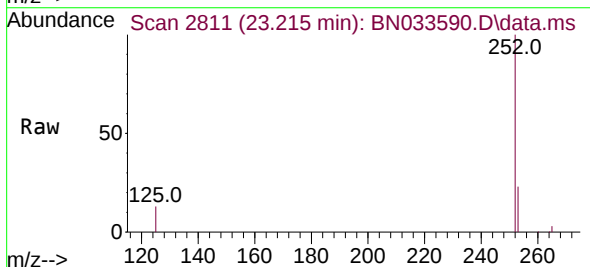
Manual Integrations
APPROVED

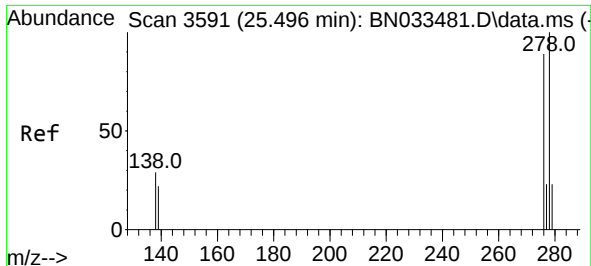
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#39
Benzo(a)pyrene
Concen: 6.500 ng m
RT: 23.215 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

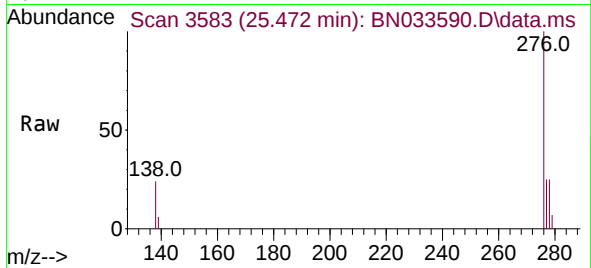
Tgt Ion:252 Resp: 325994
Ion Ratio Lower Upper
252 100
253 23.0 21.5 32.3
125 13.1 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 1.061 ng
RT: 25.472 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

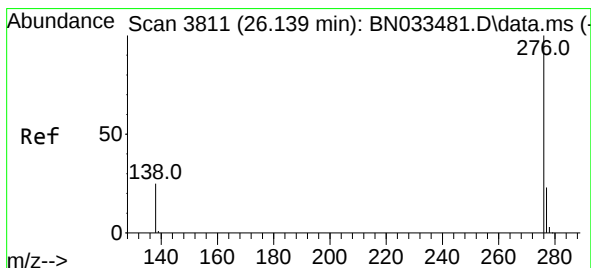
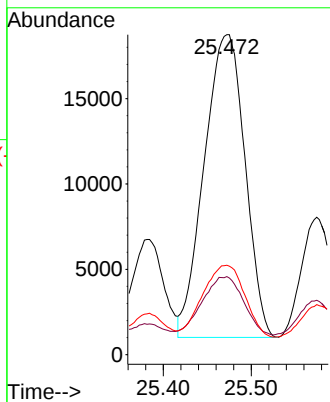
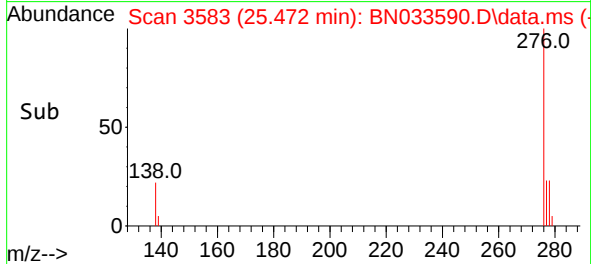
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624



Tgt Ion:278 Resp: 57144
Ion Ratio Lower Upper
278 100
139 24.4 19.1 28.7
279 28.0 21.0 31.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 4.055 ng
RT: 26.118 min Scan# 3804
Delta R.T. 0.014 min
Lab File: BN033590.D
Acq: 23 Aug 2024 15:23

Tgt Ion:276 Resp: 233672
Ion Ratio Lower Upper
276 100
277 24.2 19.7 29.5
138 24.7 21.8 32.6

