

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033550.D
 Acq On : 22 Aug 2024 13:29
 Operator : MA/JU
 Sample : P3663-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 914-J-SD-0-0.5-081624

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 14:06:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7681	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	19872	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9323	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	17884	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	13716	0.400	ng	0.00
35) Perylene-d12	23.306	264	14372	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4321	0.177	ng	0.00
5) Phenol-d6	6.729	99	5291	0.182	ng	-0.01
8) Nitrobenzene-d5	8.681	82	3348	0.203	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	4768	0.168	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	722	0.144	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	6297	0.165	ng	-0.01
27) Fluoranthene-d10	18.970	212	5667	0.132	ng	-0.01
31) Terphenyl-d14	19.588	244	3561	0.114	ng	0.00
Target Compounds						
16) Acenaphthylene	13.900	152	1240	0.030	ng	# 91
25) Phenanthrene	16.967	178	6155	0.124	ng	99
26) Anthracene	17.066	178	1236	0.028	ng	# 90
28) Fluoranthene	19.003	202	19140	0.348	ng	98
30) Pyrene	19.365	202	16286	0.266	ng	97
32) Benzo(a)anthracene	21.121	228	8151	0.164	ng	94
33) Chrysene	21.175	228	13924	0.282	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	1850m	0.059	ng	
36) Indeno(1,2,3-cd)pyrene	25.455	276	8652	0.145	ng	95
37) Benzo(b)fluoranthene	22.663	252	19359	0.361	ng	# 92
38) Benzo(k)fluoranthene	22.703	252	7012m	0.133	ng	
39) Benzo(a)pyrene	23.212	252	8778	0.198	ng	# 84
40) Dibenzo(a,h)anthracene	25.466	278	2278	0.048	ng	# 55
41) Benzo(g,h,i)perylene	26.110	276	8992	0.176	ng	94

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

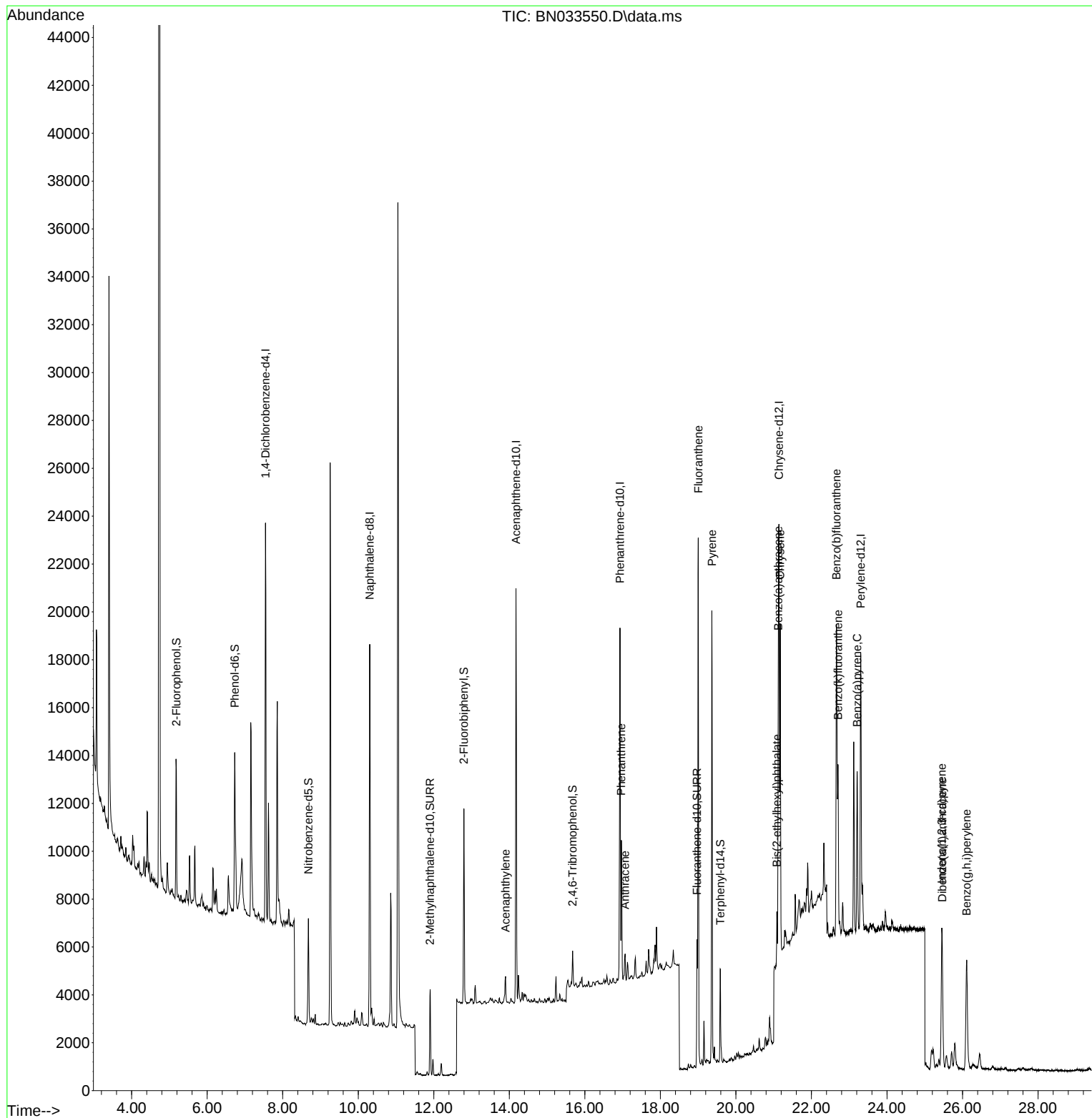
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033550.D
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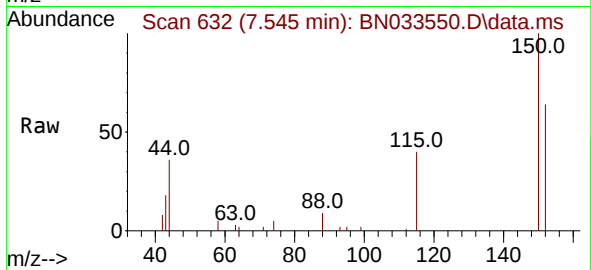
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

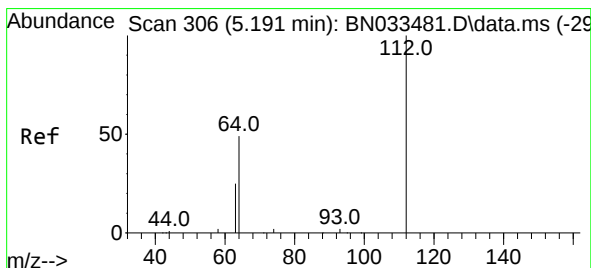
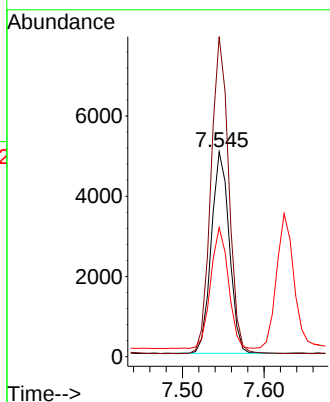
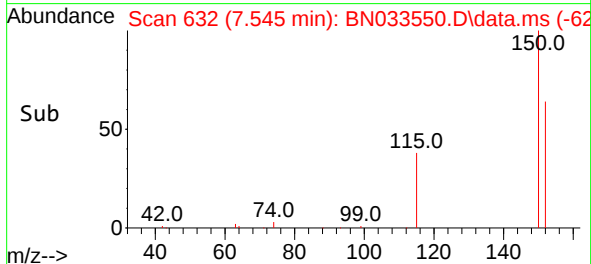
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



Tgt Ion:152 Resp: 768
Ion Ratio Lower Upper
152 100
150 156.1 122.2 183.2
115 63.0 47.2 70.8

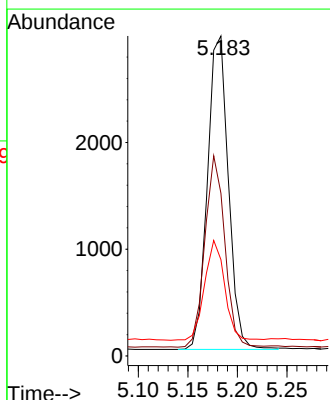
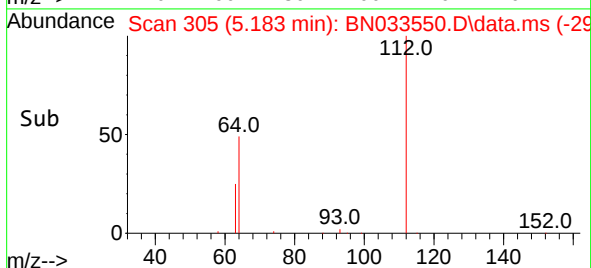
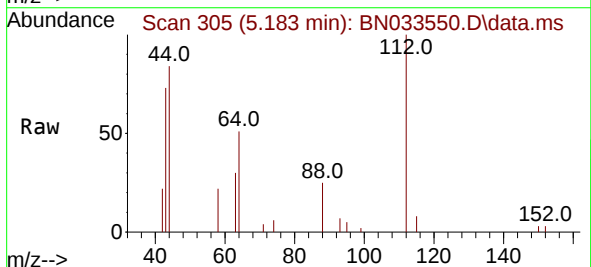
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#4
2-Fluorophenol
Concen: 0.177 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

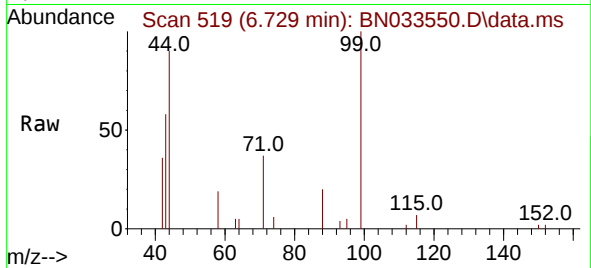
Tgt Ion:112 Resp: 4321
Ion Ratio Lower Upper
112 100
64 58.1 47.1 70.7
63 30.5 24.9 37.3





#5
Phenol-d6
Concen: 0.182 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.014 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

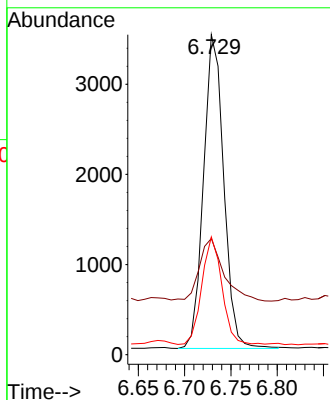
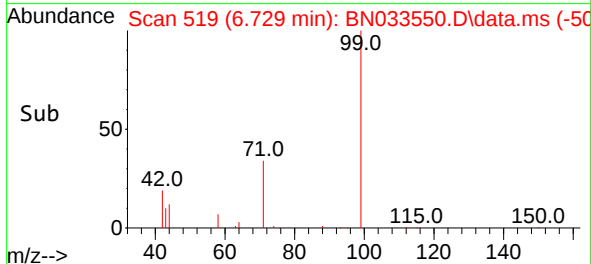
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



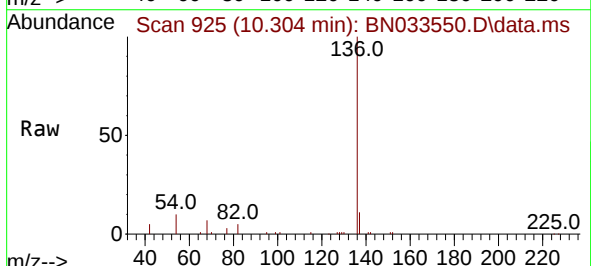
Tgt Ion: 99 Resp: 529
Ion Ratio Lower Upper
99 100
42 23.9 16.6 24.8
71 34.1 26.2 39.4

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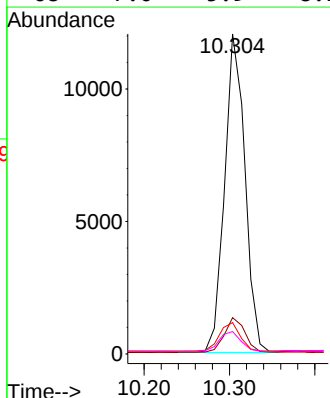
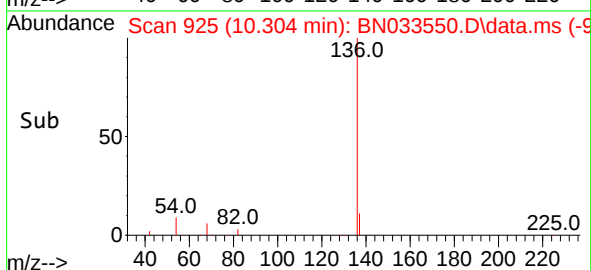
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

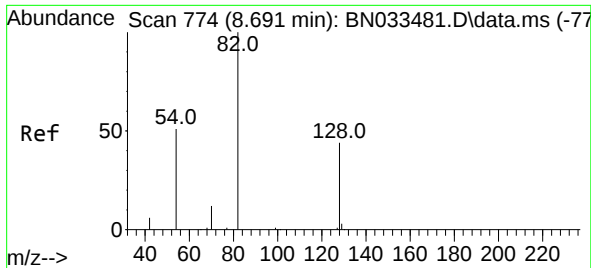


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29



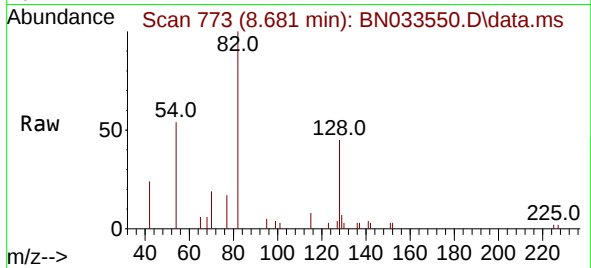
Tgt Ion:136 Resp: 19872
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.8 8.3 12.5
68 7.0 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.203 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

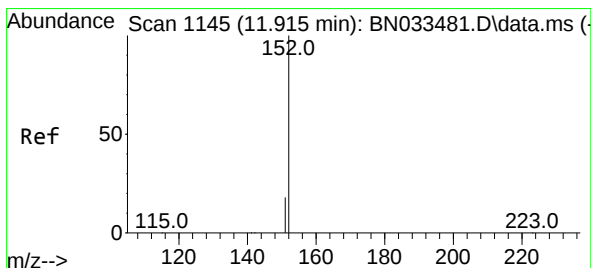
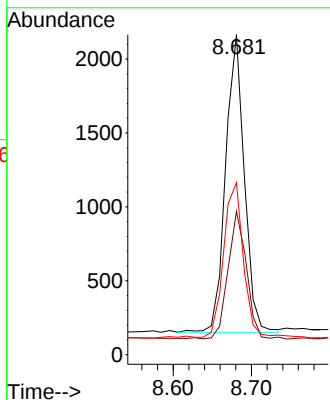
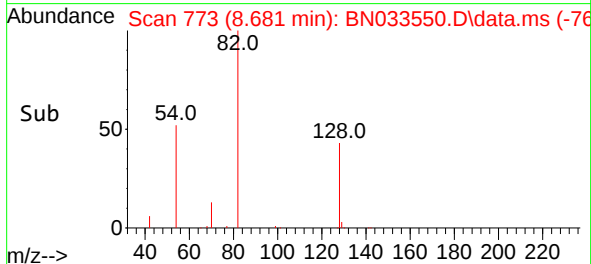
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



Tgt Ion: 82 Resp: 3348
Ion Ratio Lower Upper
82 100
128 44.8 36.0 54.0
54 53.8 42.0 63.0

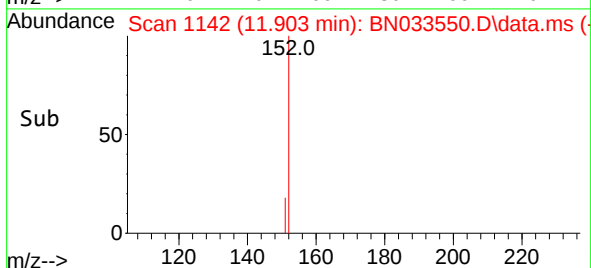
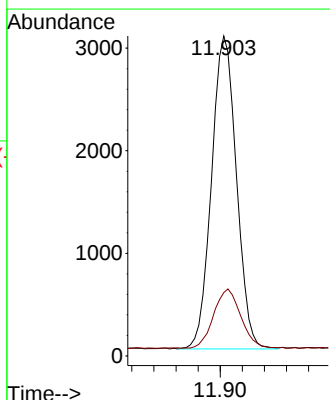
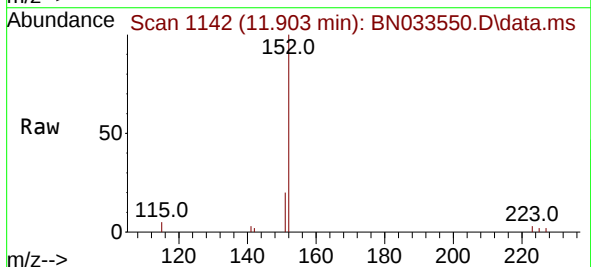
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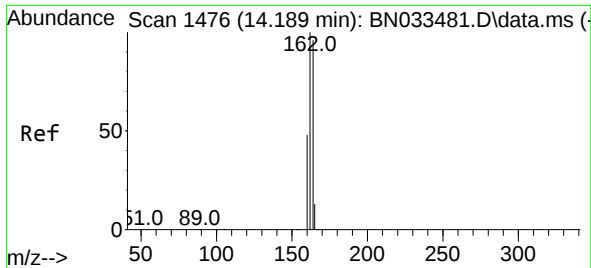
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#11
2-Methylnaphthalene-d10
Concen: 0.168 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

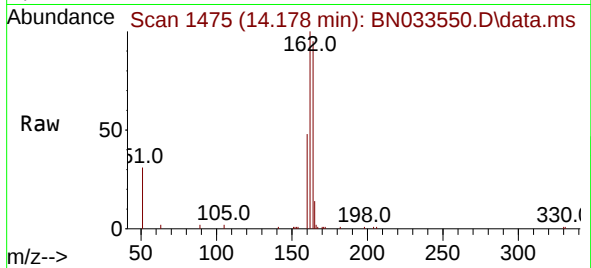
Tgt Ion:152 Resp: 4768
Ion Ratio Lower Upper
152 100
151 20.7 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

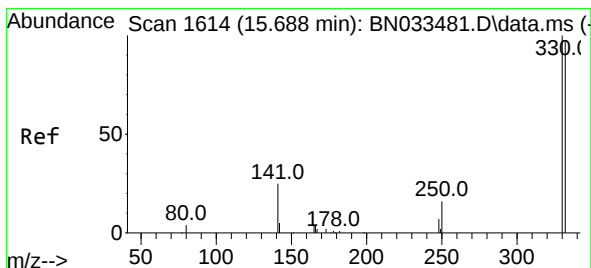
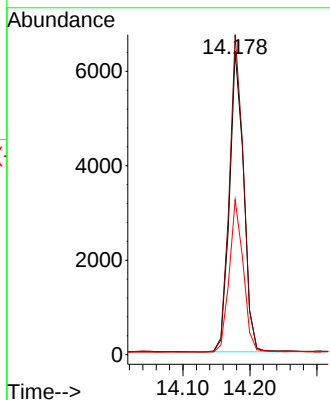
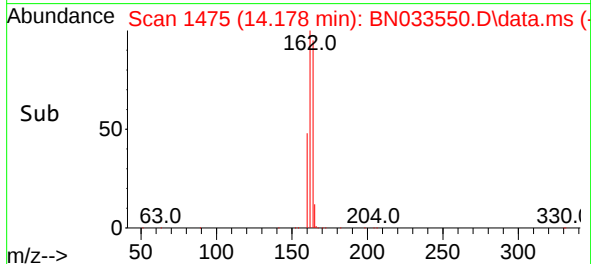
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



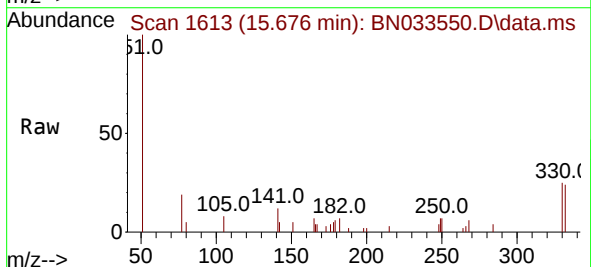
Tgt Ion:164 Resp: 932
Ion Ratio Lower Upper
164 100
162 105.3 83.5 125.3
160 51.0 40.2 60.4

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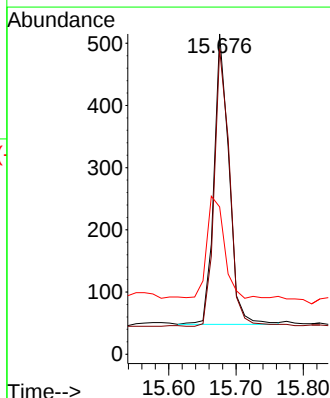
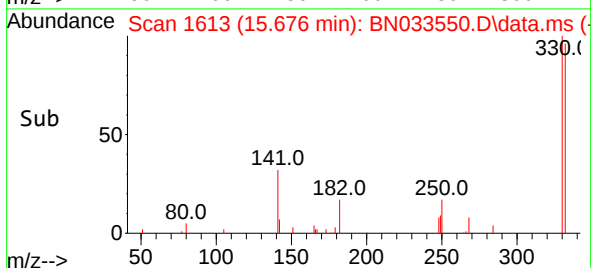
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

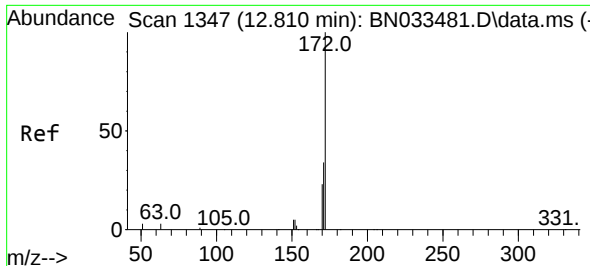


#14
2,4,6-Tribromophenol
Concen: 0.144 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29



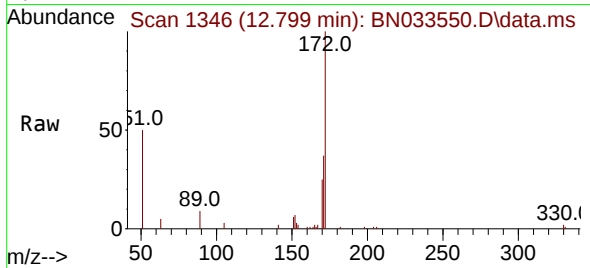
Tgt Ion:330 Resp: 722
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 42.4 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.165 ng
RT: 12.799 min Scan# 111
Delta R.T. -0.011 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

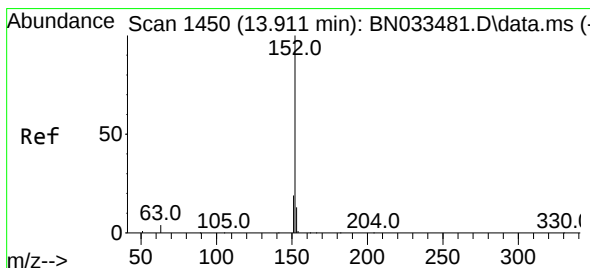
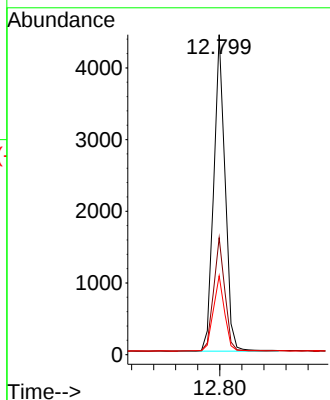
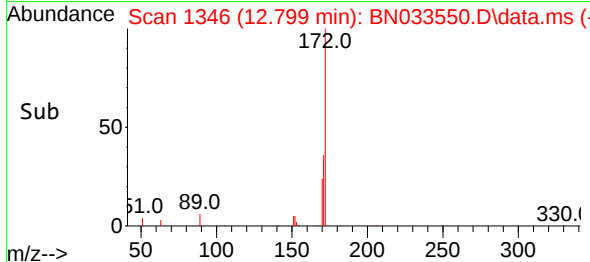
Instrument :
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Tgt Ion:172 Resp: 629
Ion Ratio Lower Upper
172 100
171 36.5 27.7 41.5
170 24.6 18.3 27.5

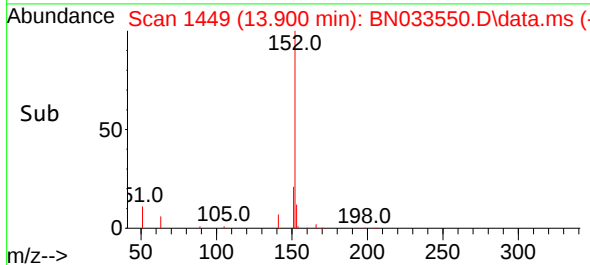
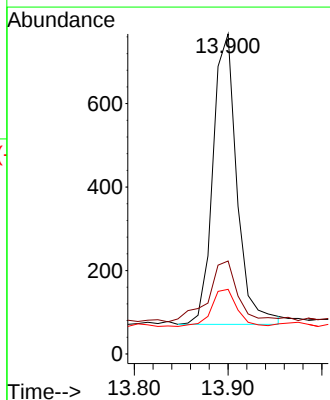
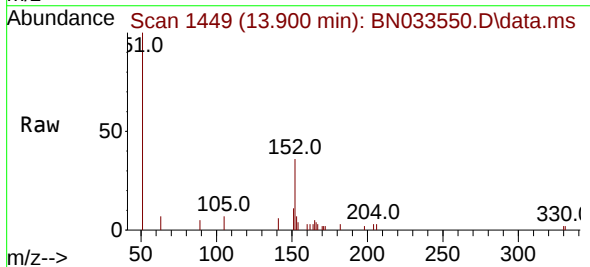
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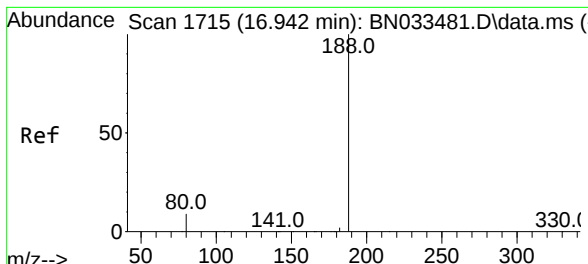
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.030 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

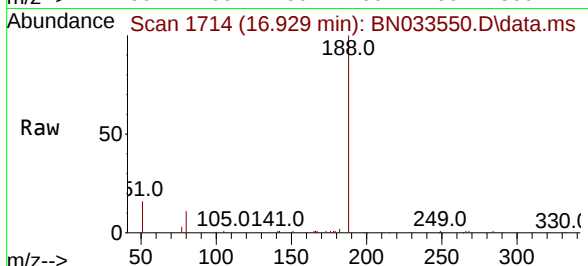
Tgt Ion:152 Resp: 1240
Ion Ratio Lower Upper
152 100
151 25.9 15.7 23.5#
153 13.6 10.3 15.5





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

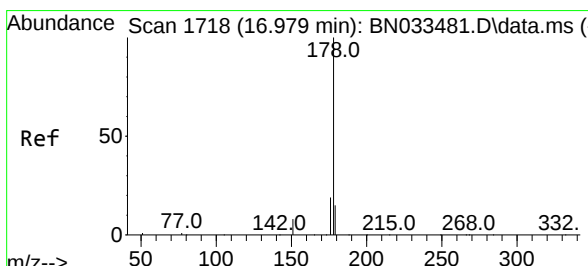
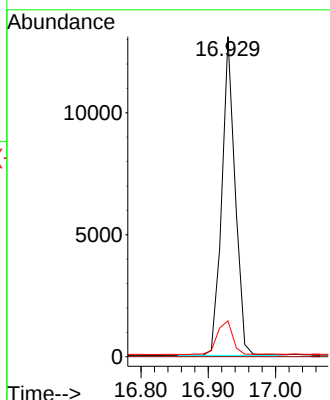
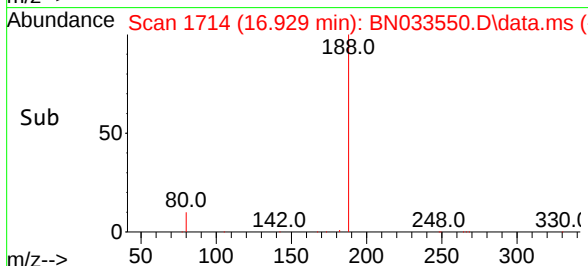
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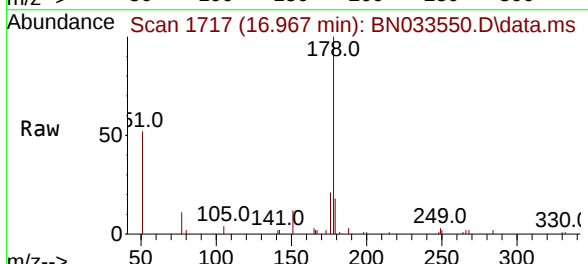
Tgt Ion:188 Resp: 17884
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 7.8 11.8

Manual Integrations
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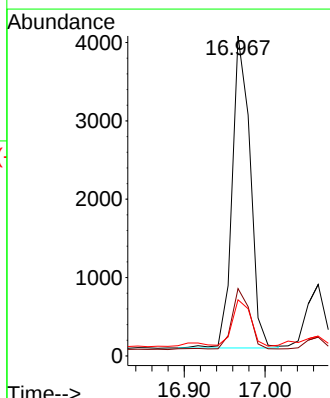
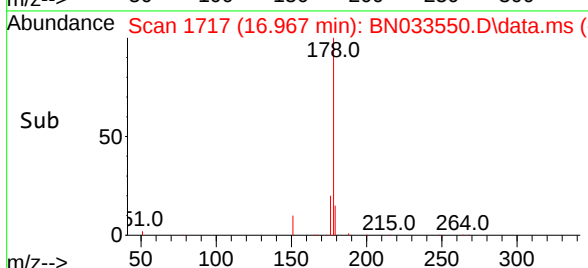
Reviewed By :Yogesh Patel 08/23/2024
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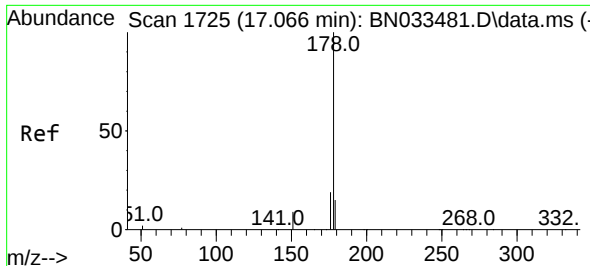


#25
Phenanthrene
Concen: 0.124 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29



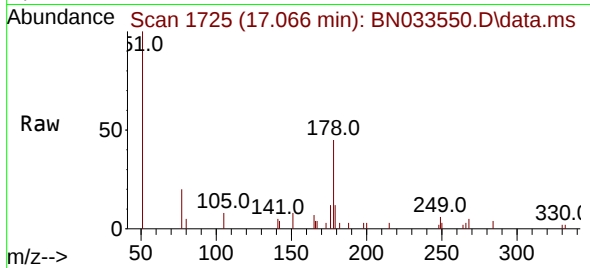
Tgt Ion:178 Resp: 6155
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.1 12.3 18.5





#26
 Anthracene
 Concen: 0.028 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033550.D
 Acq: 22 Aug 2024 13:29

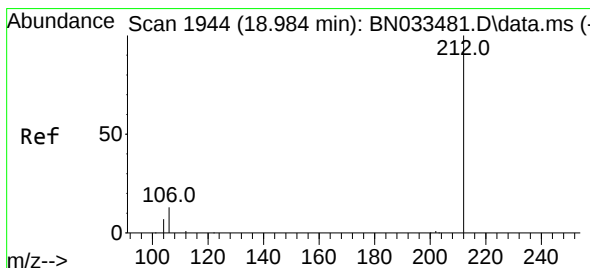
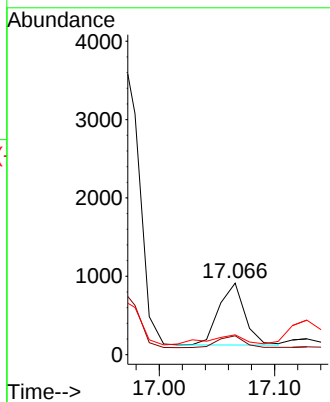
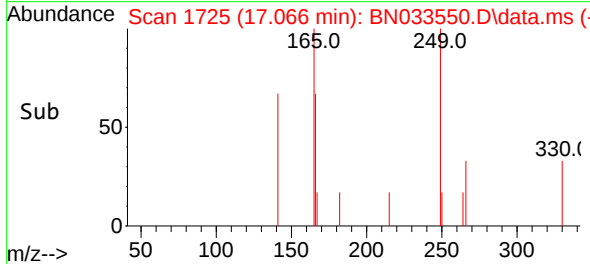
Instrument :
 BNA_N
 ClientSampleId :
 914-J-SD-0-0.5-081624



Tgt Ion:178 Resp: 1230
 Ion Ratio Lower Upper
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 176 20.0 15.0 22.6
 179 23.6 12.4 18.6

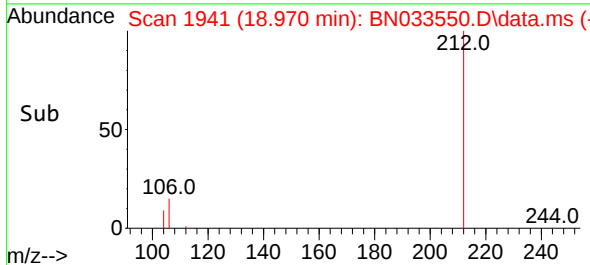
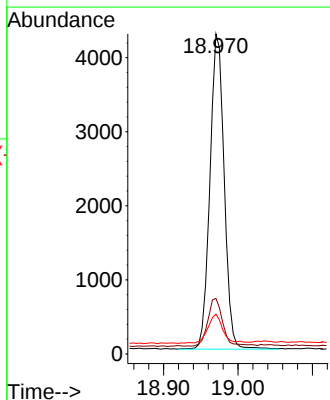
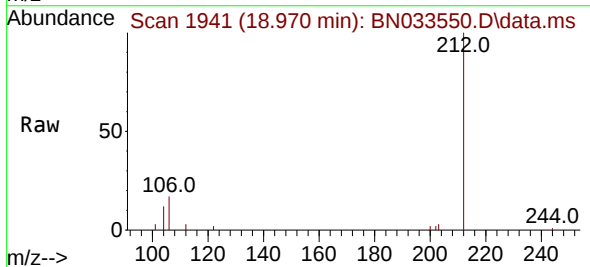
Manual Integrations
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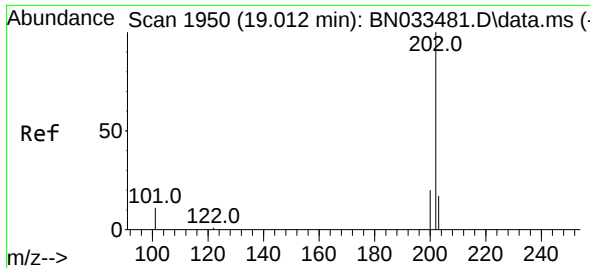
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.132 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.014 min
 Lab File: BN033550.D
 Acq: 22 Aug 2024 13:29

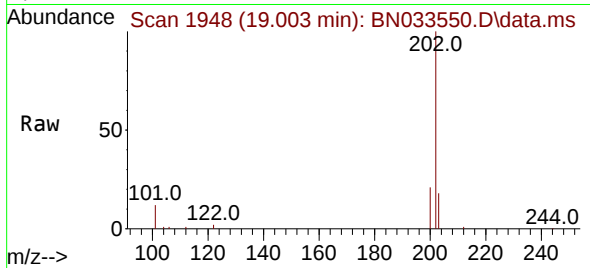
Tgt Ion:212 Resp: 5667
 Ion Ratio Lower Upper
 212 100
 106 15.7 12.3 18.5
 104 10.0 7.0 10.4





#28
Fluoranthene
Concen: 0.348 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

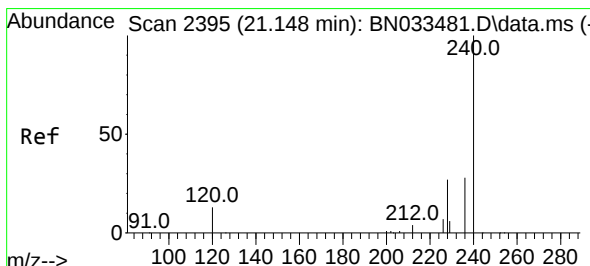
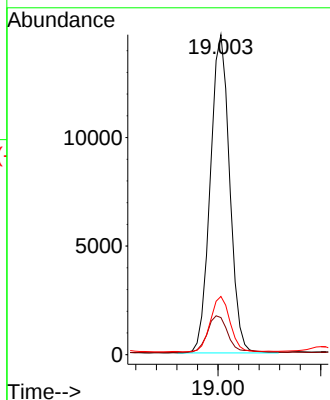
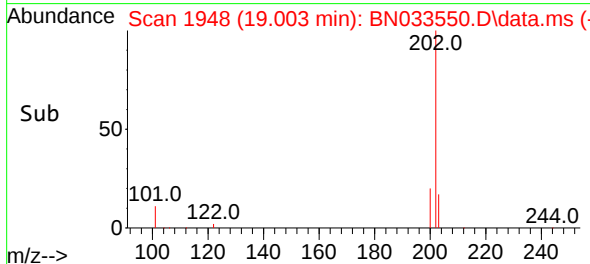
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



Tgt Ion:202 Resp: 19140
Ion Ratio Lower Upper
202 100
101 13.0 9.5 14.3
203 17.5 13.8 20.6

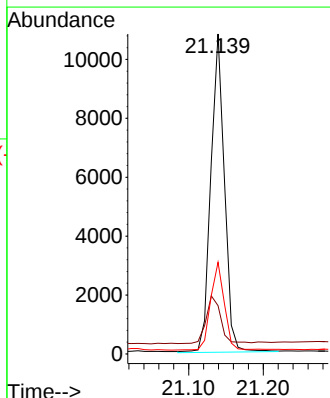
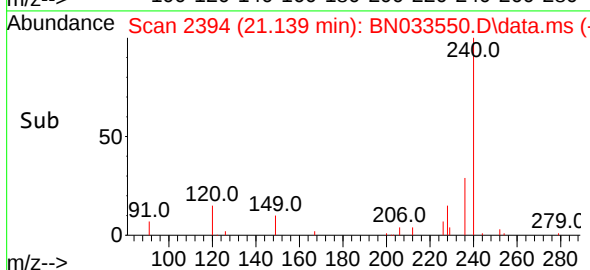
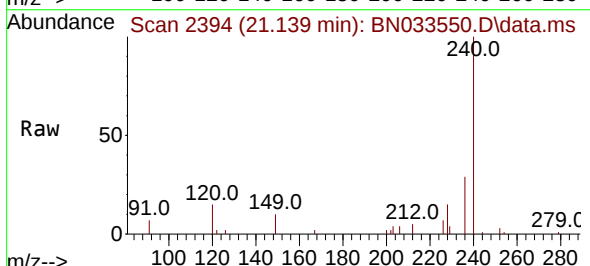
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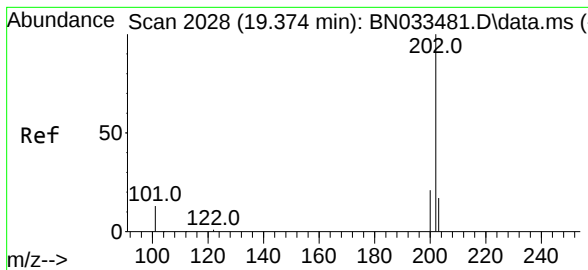
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

Tgt Ion:240 Resp: 13716
Ion Ratio Lower Upper
240 100
120 15.1 12.4 18.6
236 28.7 23.0 34.6





#30

Pyrene

Concen: 0.266 ng

RT: 19.365 min Scan# 2026

Delta R.T. -0.009 min

Lab File: BN033550.D

Acq: 22 Aug 2024 13:29

Instrument :

BNA_N

ClientSampleId :

914-J-SD-0-0.5-081624

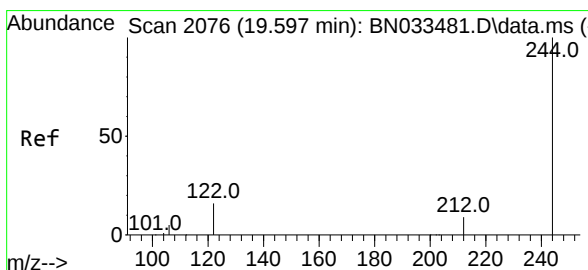
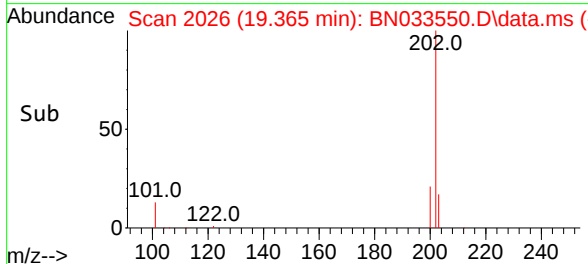
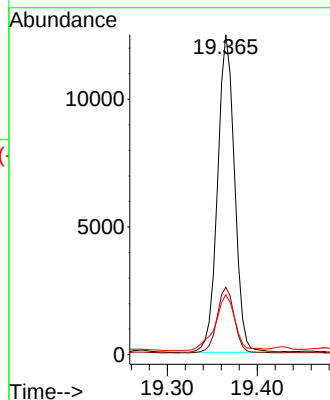
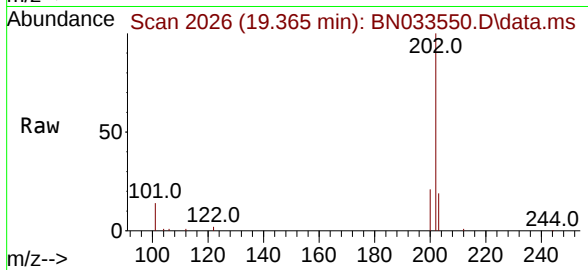
Tgt Ion:	202	Resp:	1628
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.6	24.8
203	20.7	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#31

Terphenyl-d14

Concen: 0.114 ng

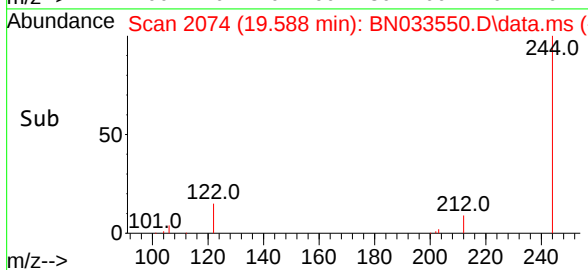
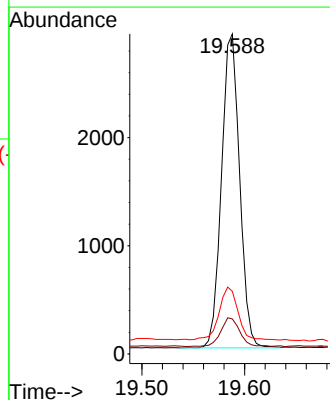
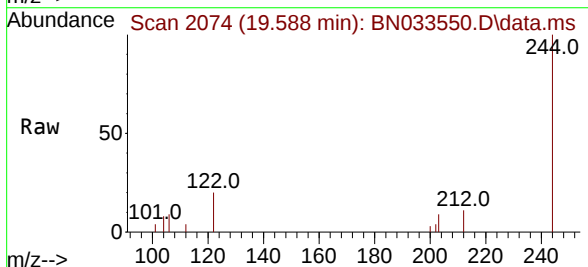
RT: 19.588 min Scan# 2074

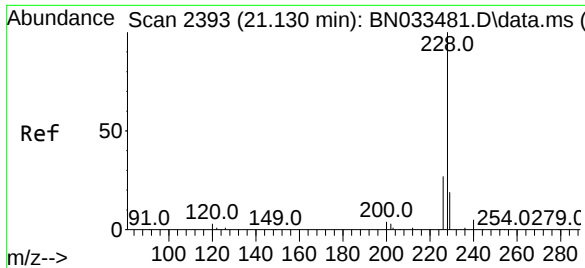
Delta R.T. -0.009 min

Lab File: BN033550.D

Acq: 22 Aug 2024 13:29

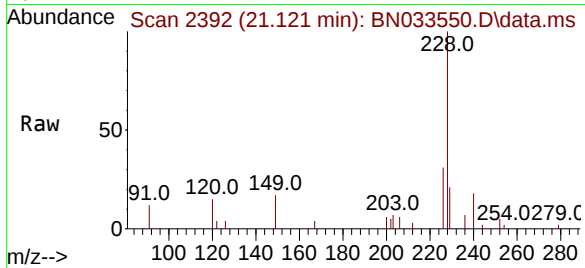
Tgt Ion:	244	Resp:	3561
Ion Ratio	Lower	Upper	
244	100		
212	11.0	7.8	11.6
122	19.5	13.3	19.9





#32
Benzo(a)anthracene
Concen: 0.164 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.009 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

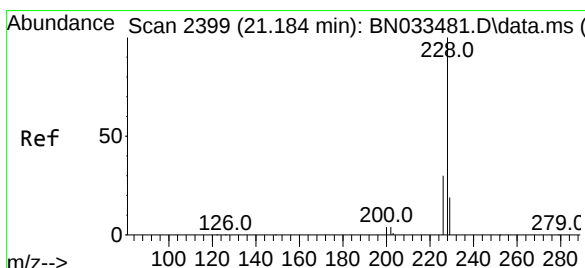
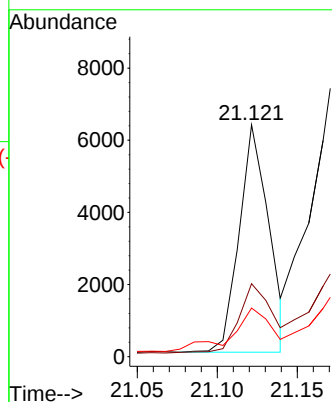
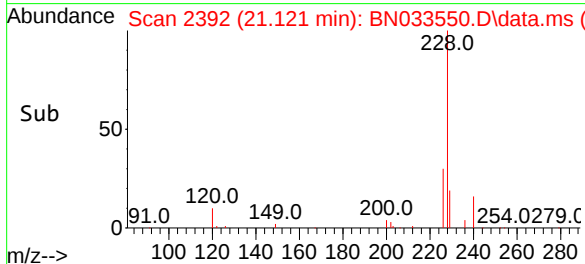
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



Tgt Ion:228 Resp: 815
Ion Ratio Lower Upper
228 100
226 31.5 21.8 32.6
229 21.0 15.8 23.6

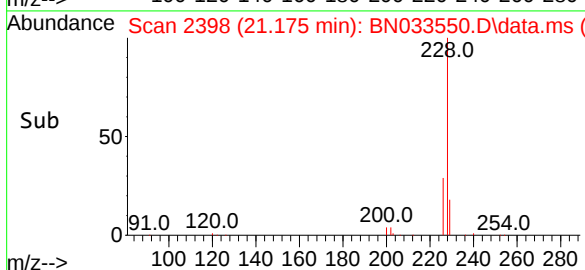
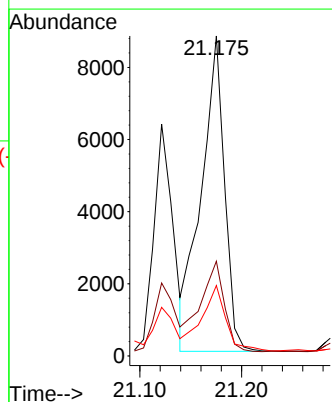
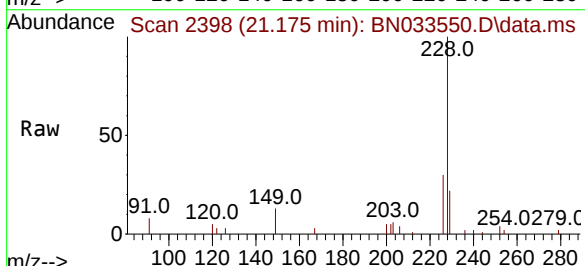
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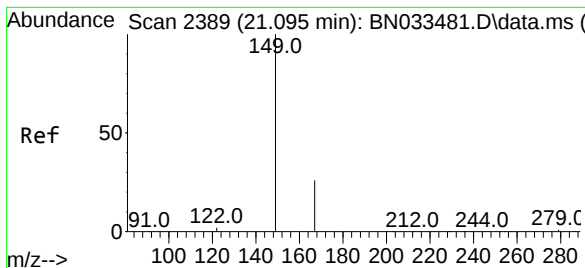
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 0.282 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

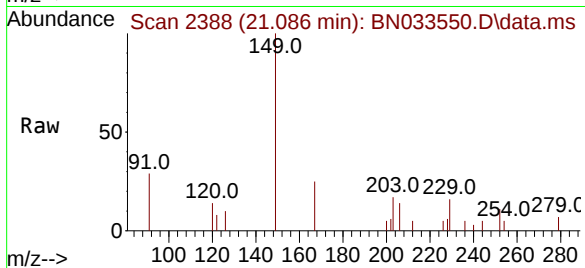
Tgt Ion:228 Resp: 13924
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 22.0 15.6 23.4





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.059 ng m
 RT: 21.086 min Scan# 2108
 Delta R.T. -0.009 min
 Lab File: BN033550.D
 Acq: 22 Aug 2024 13:29

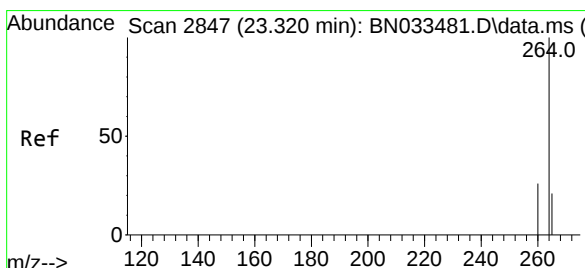
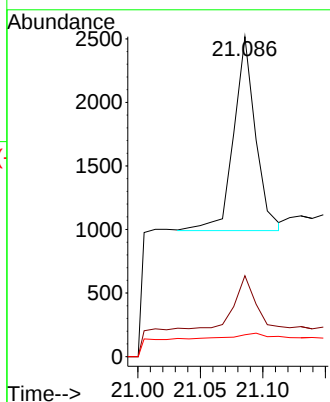
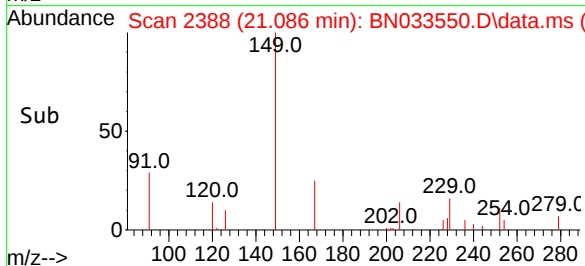
Instrument :
 BNA_N
 ClientSampleId :
 914-J-SD-0-0.5-081624



Tgt Ion:149 Resp: 1850
 Ion Ratio Lower Upper
 149 100
 167 123.9 21.5 32.3
 279 63.4 2.2 3.2

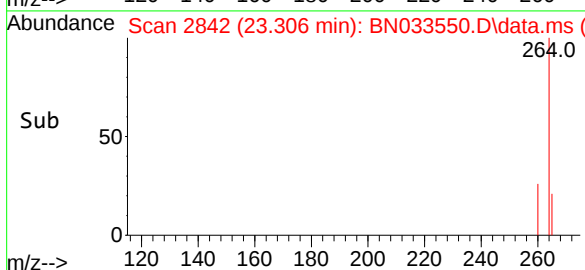
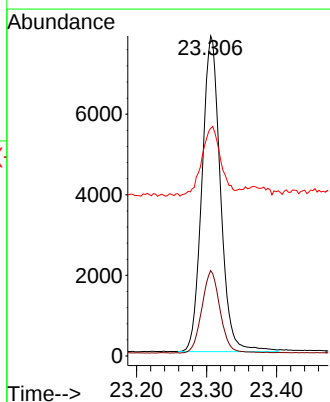
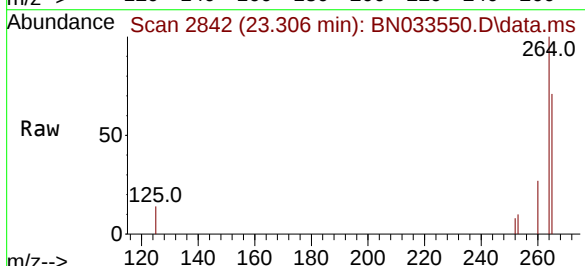
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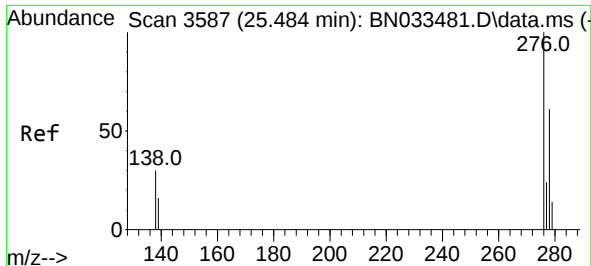
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.306 min Scan# 2842
 Delta R.T. -0.015 min
 Lab File: BN033550.D
 Acq: 22 Aug 2024 13:29

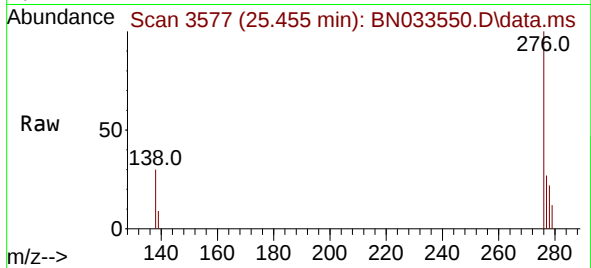
Tgt Ion:264 Resp: 14372
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.8 31.2
 265 71.2 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.145 ng
RT: 25.455 min Scan# 31
Delta R.T. -0.029 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

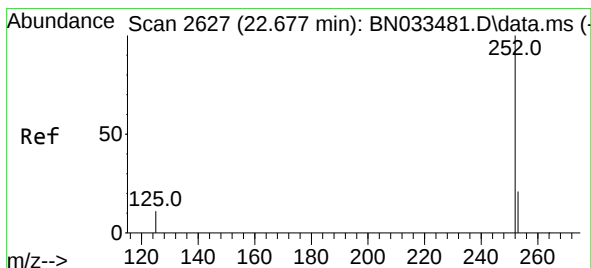
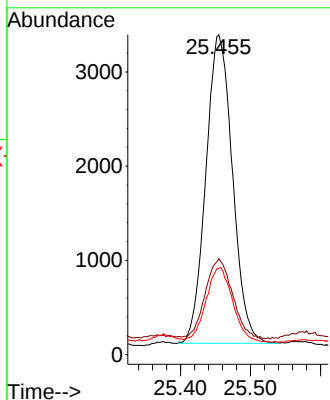
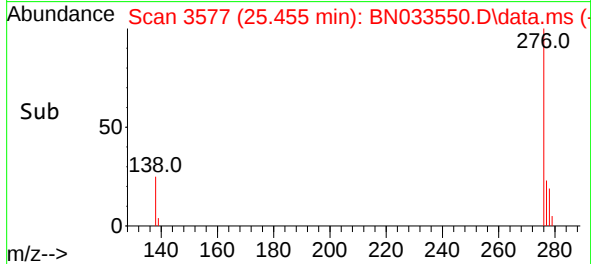
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



Tgt Ion:276 Resp: 8652
Ion Ratio Lower Upper
276 100
138 26.5 24.4 36.6
277 23.8 19.8 29.6

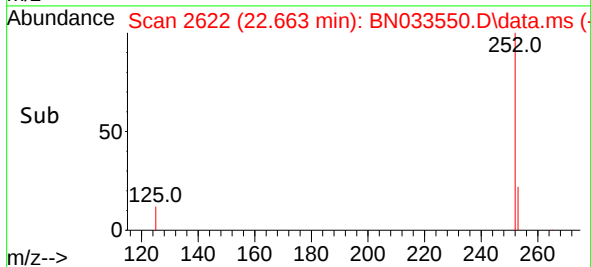
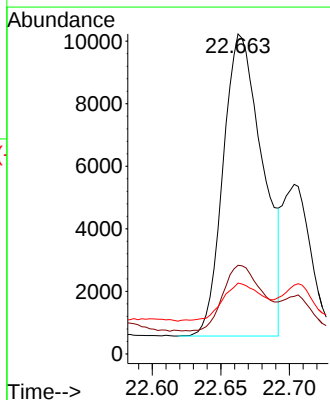
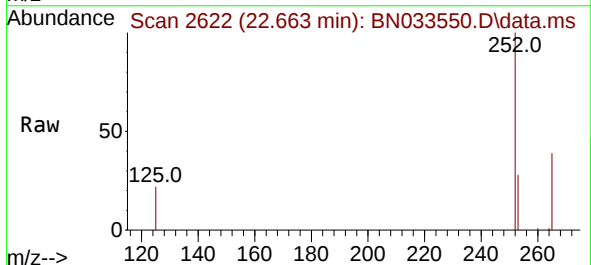
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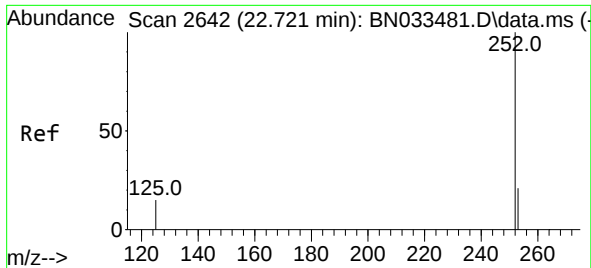
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 0.361 ng
RT: 22.663 min Scan# 2622
Delta R.T. -0.015 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

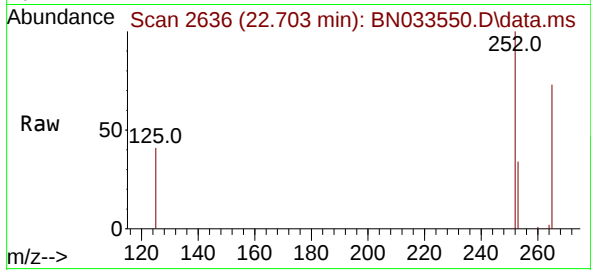
Tgt Ion:252 Resp: 19359
Ion Ratio Lower Upper
252 100
253 27.7 19.8 29.8
125 22.1 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 0.133 ng m
RT: 22.703 min Scan# 2636
Delta R.T. -0.018 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

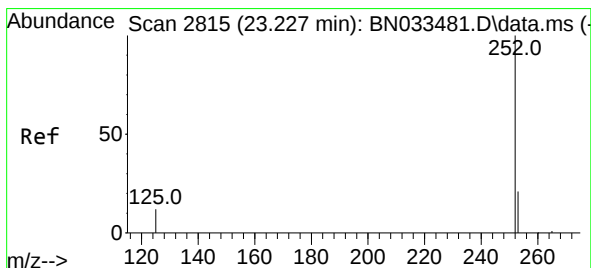
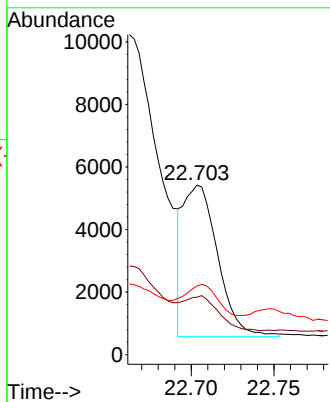
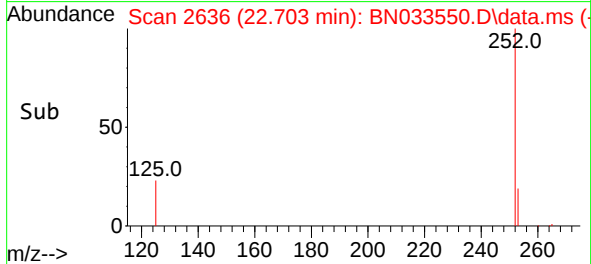
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



Tgt Ion:252 Resp: 7012
Ion Ratio Lower Upper
252 100
253 34.0 19.8 29.8#
125 40.6 15.8 23.8#

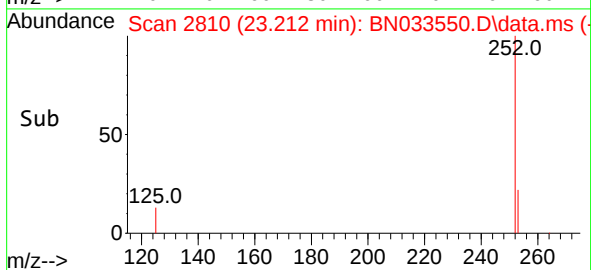
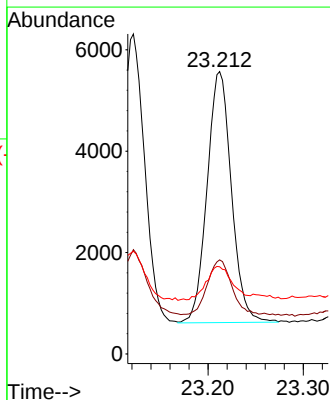
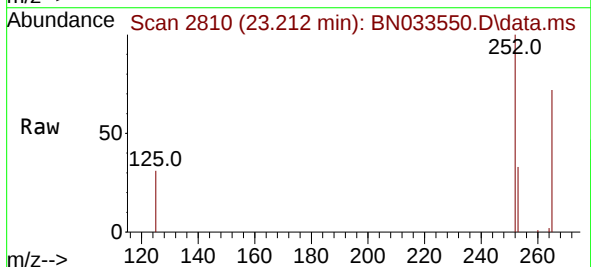
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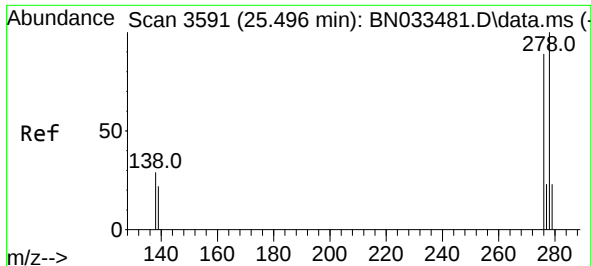
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 0.198 ng
RT: 23.212 min Scan# 2810
Delta R.T. -0.015 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

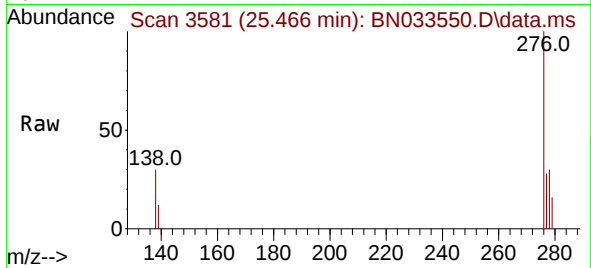
Tgt Ion:252 Resp: 8778
Ion Ratio Lower Upper
252 100
253 33.3 21.5 32.3#
125 30.9 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.048 ng
RT: 25.466 min Scan# 3581
Delta R.T. -0.029 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

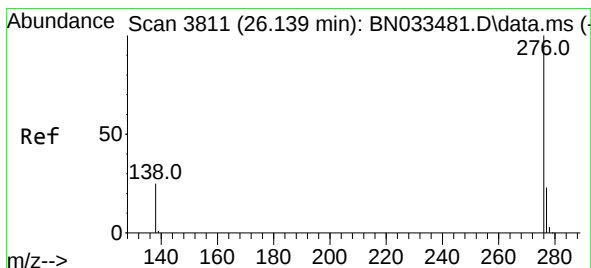
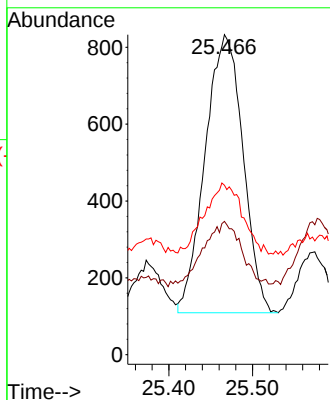
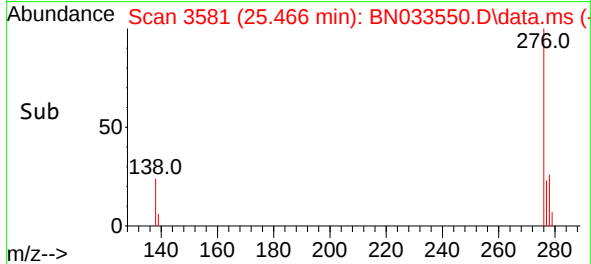
Instrument :
BNA_N
ClientSampleId :
914-J-SD-0-0.5-081624



Tgt Ion: 278 Resp: 2278
Ion Ratio Lower Upper
278 100
139 41.7 19.1 28.7
279 52.9 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: 0.176 ng
RT: 26.110 min Scan# 3801
Delta R.T. -0.029 min
Lab File: BN033550.D
Acq: 22 Aug 2024 13:29

Tgt Ion: 276 Resp: 8992
Ion Ratio Lower Upper
276 100
277 27.0 19.7 29.5
138 31.0 21.8 32.6

