

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081924\
 Data File : BN033501.D
 Acq On : 20 Aug 2024 12:11
 Operator : MA/JU
 Sample : P3657-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 917-J-WS-081624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 12:37:36 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)

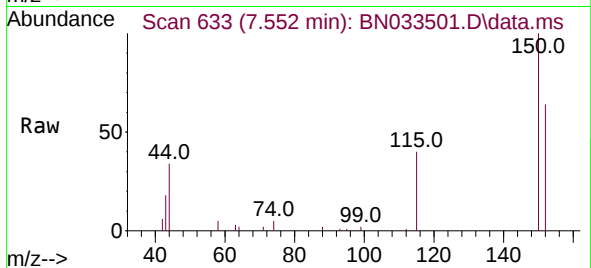
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	7404	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	19943	0.400	ng	0.00
13) Acenaphthene-d10	14.189	164	10386	0.400	ng	0.00
19) Phenanthrene-d10	16.942	188	20955	0.400	ng	0.00
29) Chrysene-d12	21.148	240	13076	0.400	ng	0.00
35) Perylene-d12	23.323	264	12675	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	2310	0.098	ng	0.00
5) Phenol-d6	6.736	99	1687	0.060	ng	0.00
8) Nitrobenzene-d5	8.681	82	4847	0.293	ng	-0.01
11) 2-Methylnaphthalene-d10	11.911	152	8808	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.688	330	1526	0.273	ng	0.00
15) 2-Fluorobiphenyl	12.809	172	13260	0.313	ng	0.00
27) Fluoranthene-d10	18.979	212	18652	0.370	ng	0.00
31) Terphenyl-d14	19.593	244	13637	0.459	ng	0.00
Target Compounds					Qvalue	
18) Fluorene	15.247	166	2575m	0.064	ng	
25) Phenanthrene	16.979	178	2812	0.048	ng	98
28) Fluoranthene	19.007	202	5344	0.083	ng	99
30) Pyrene	19.374	202	3196	0.055	ng	# 94
32) Benzo(a)anthracene	21.130	228	2216	0.047	ng	# 86
33) Chrysene	21.184	228	3366	0.072	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.094	149	6278	0.210	ng	95
36) Indeno(1,2,3-cd)pyrene	25.475	276	2532	0.048	ng	99
37) Benzo(b)fluoranthene	22.677	252	3187	0.067	ng	# 49
38) Benzo(k)fluoranthene	22.721	252	2293	0.049	ng	# 27
39) Benzo(a)pyrene	23.227	252	1783	0.046	ng	# 24
40) Dibenzo(a,h)anthracene	25.495	278	1695	0.040	ng	# 53
41) Benzo(g,h,i)perylene	26.130	276	2244	0.050	ng	# 74

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



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 611
Delta R.T. -0.007 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

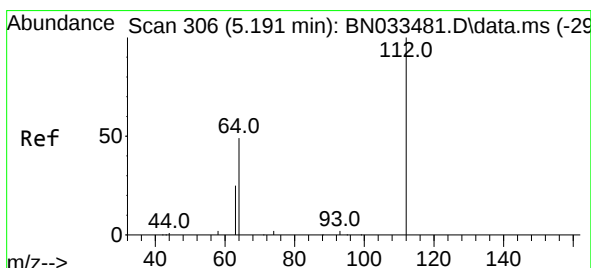
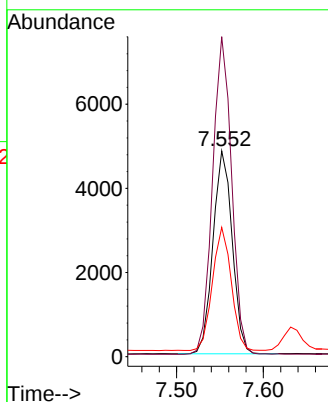
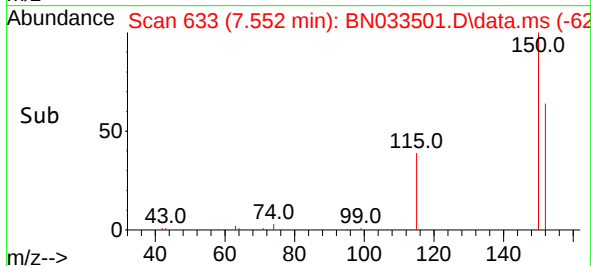
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



Tgt Ion:152 Resp: 7404
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.2
115 62.8 47.2 70.8

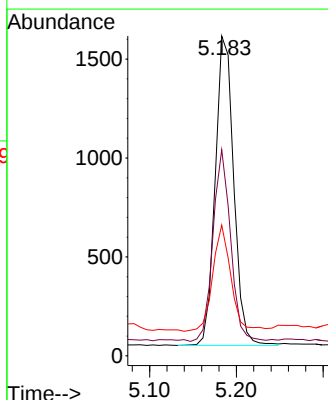
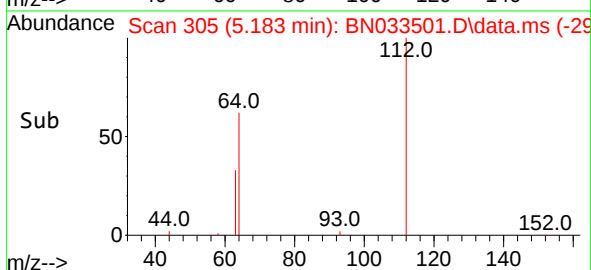
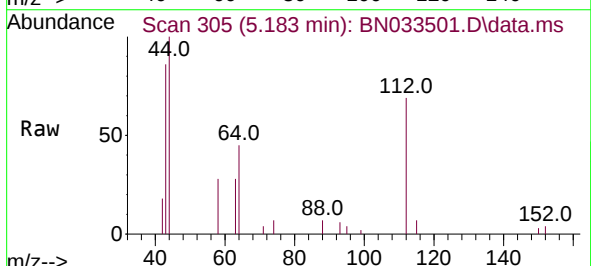
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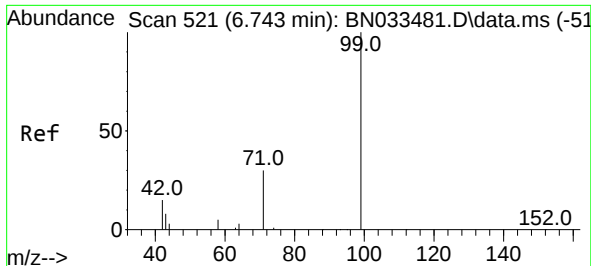
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#4
2-Fluorophenol
Concen: 0.098 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

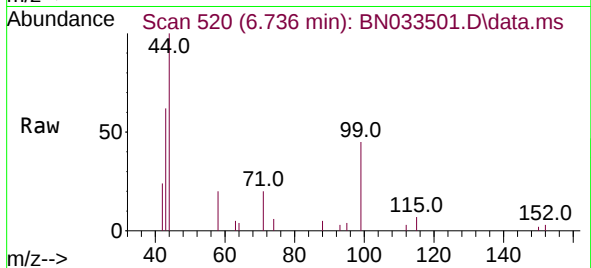
Tgt Ion:112 Resp: 2310
Ion Ratio Lower Upper
112 100
64 59.1 47.1 70.7
63 33.9 24.9 37.3





#5
Phenol-d6
Concen: 0.060 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

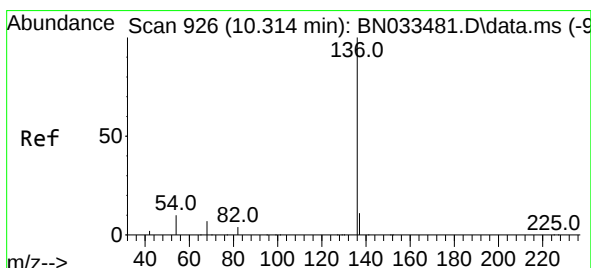
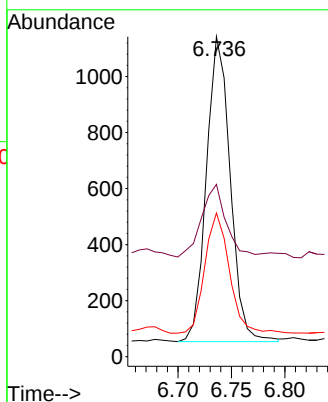
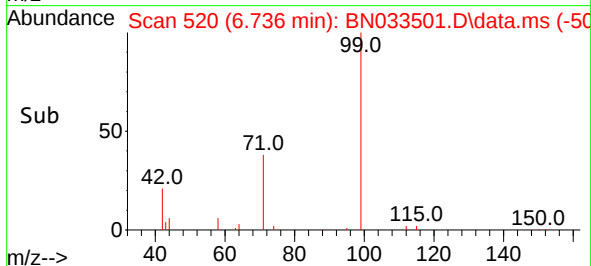
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



Tgt Ion: 99 Resp: 168
Ion Ratio Lower Upper
99 100
42 24.4 16.6 24.8
71 40.7 26.2 39.4

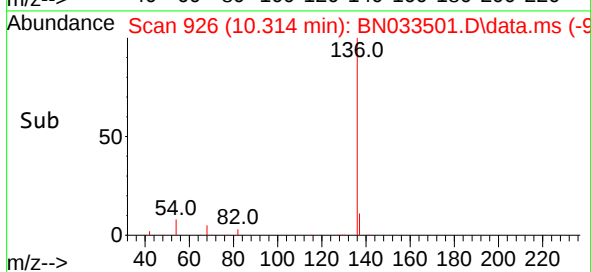
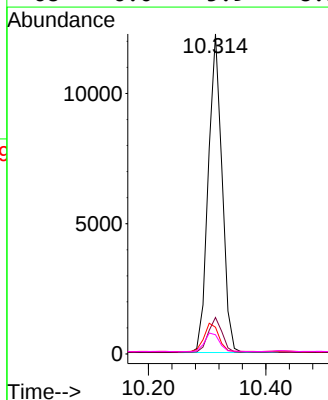
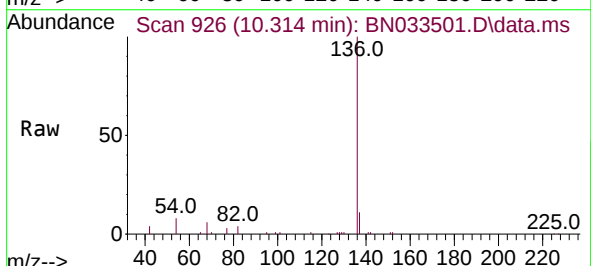
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

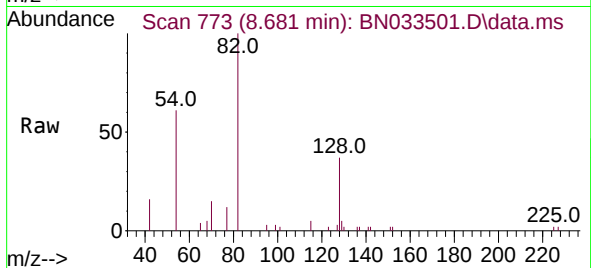
Tgt Ion:136 Resp: 19943
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 8.4 8.3 12.5
68 6.0 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 8.681 min Scan# 774
Delta R.T. -0.011 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

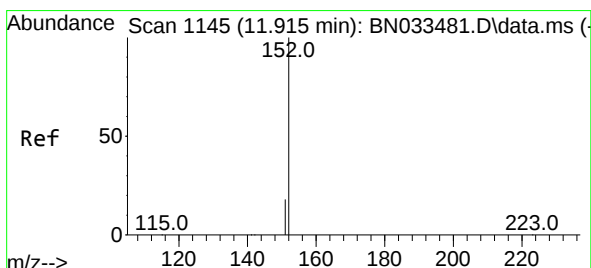
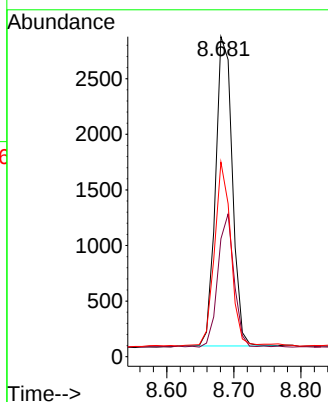
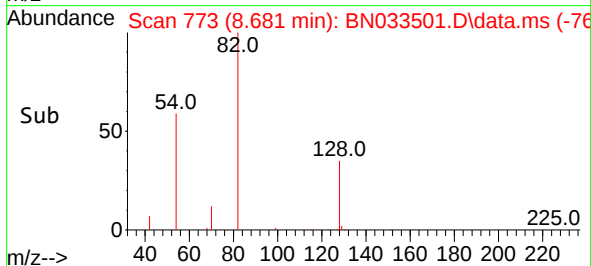
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



Tgt Ion: 82 Resp: 484
Ion Ratio Lower Upper
82 100
128 36.9 36.0 54.0
54 60.8 42.0 63.0

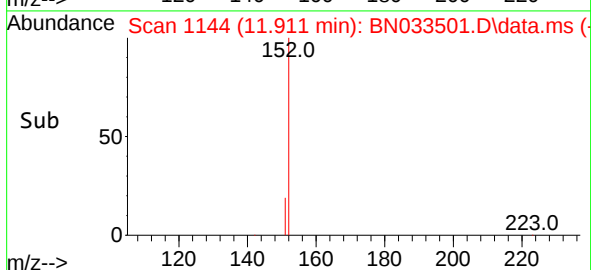
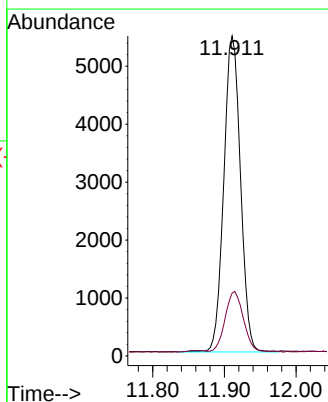
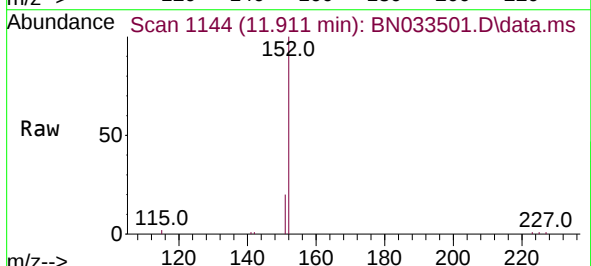
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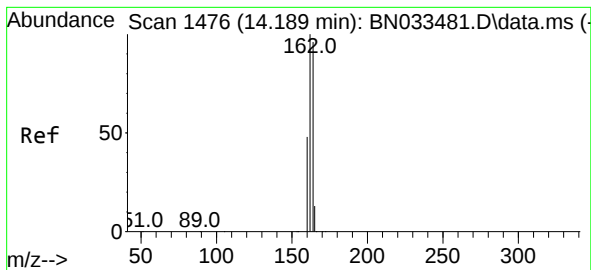
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 11.911 min Scan# 1144
Delta R.T. -0.004 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

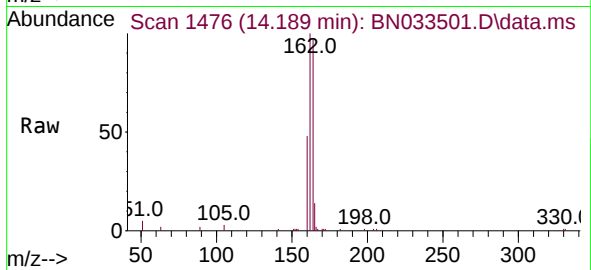
Tgt Ion:152 Resp: 8808
Ion Ratio Lower Upper
152 100
151 20.7 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.189 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

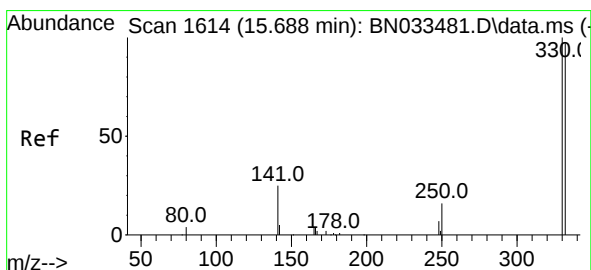
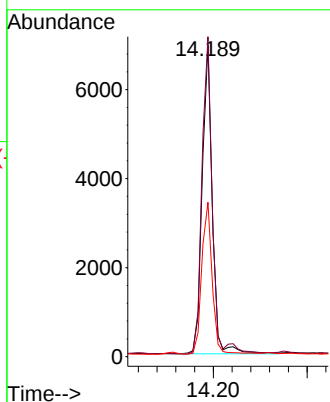
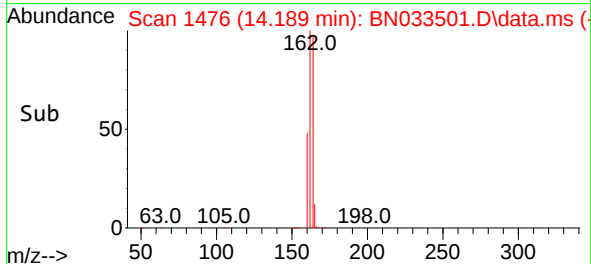
Instrument :
BNA_N
ClientSampleId :
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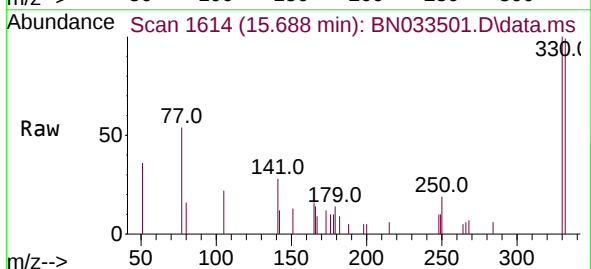
Tgt Ion:164 Resp: 10380
Ion Ratio Lower Upper
164 100
162 102.8 83.5 125.3
160 49.6 40.2 60.4

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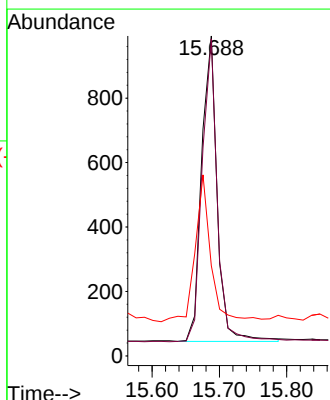
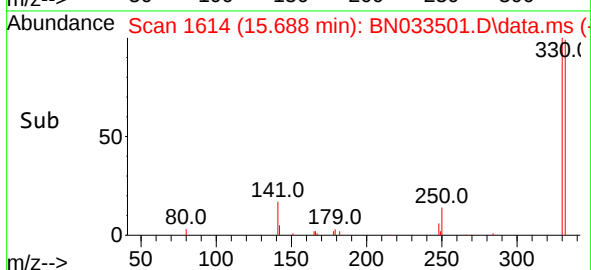
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

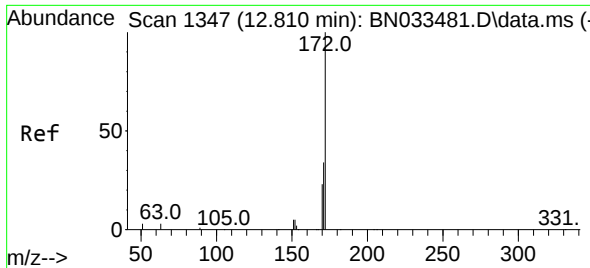


#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 15.688 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11



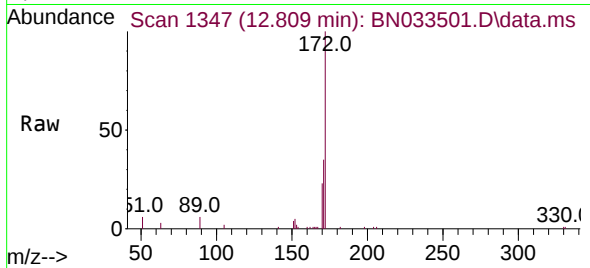
Tgt Ion:330 Resp: 1526
Ion Ratio Lower Upper
330 100
332 96.7 77.5 116.3
141 48.2 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 12.809 min Scan# 1347
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

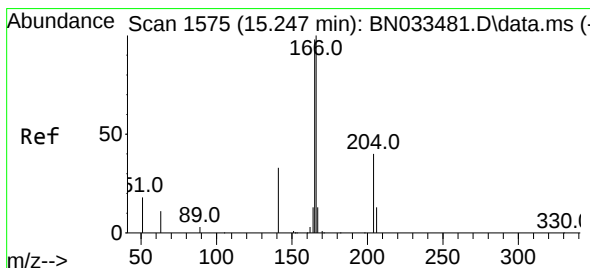
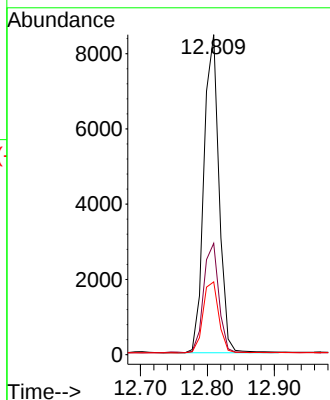
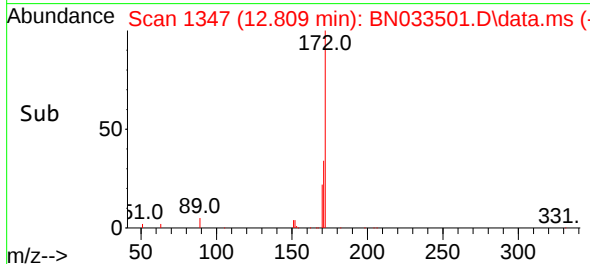
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



Tgt Ion:172 Resp: 13260
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 22.7 18.3 27.5

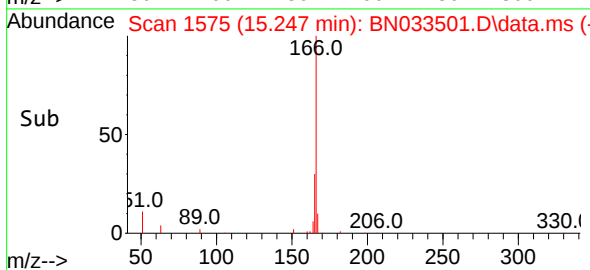
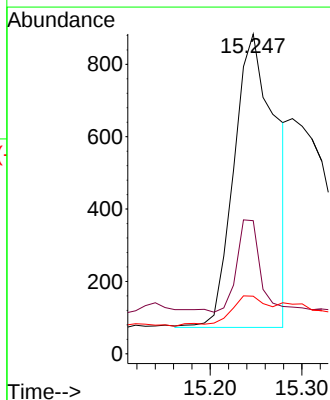
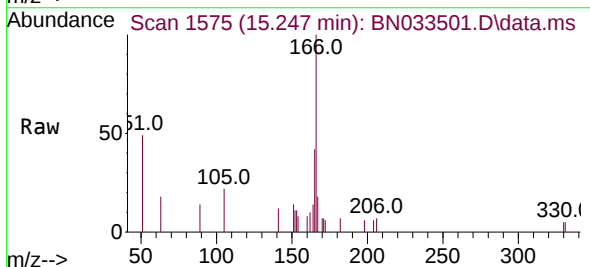
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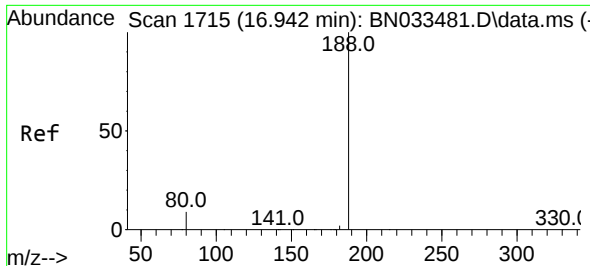
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#18
Fluorene
Concen: 0.064 ng m
RT: 15.247 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

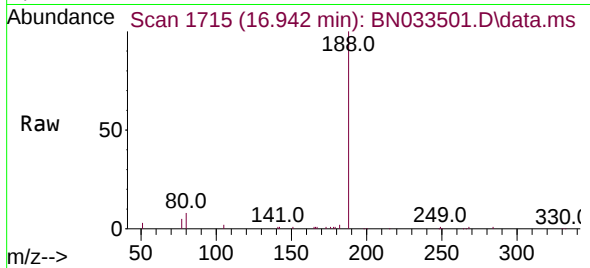
Tgt Ion:166 Resp: 2575
Ion Ratio Lower Upper
166 100
165 18.1 78.2 117.4#
167 7.9 10.6 16.0#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.942 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

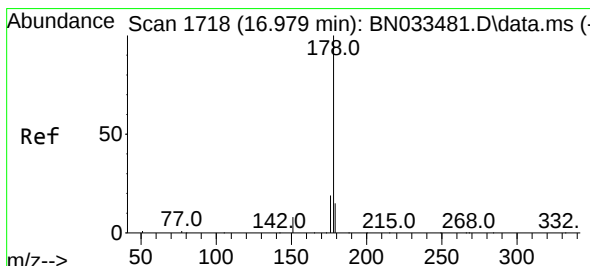
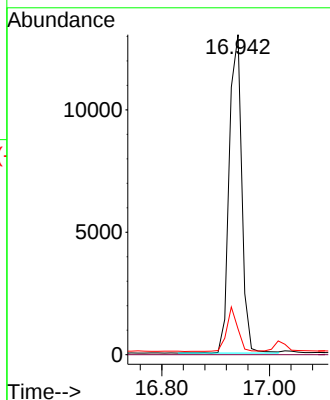
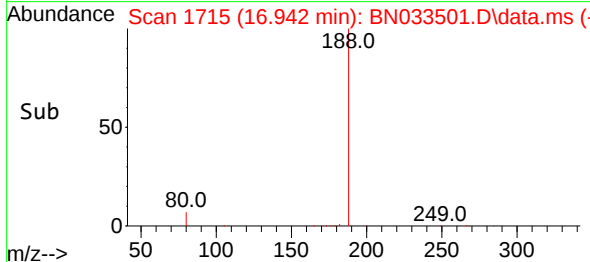
Instrument :
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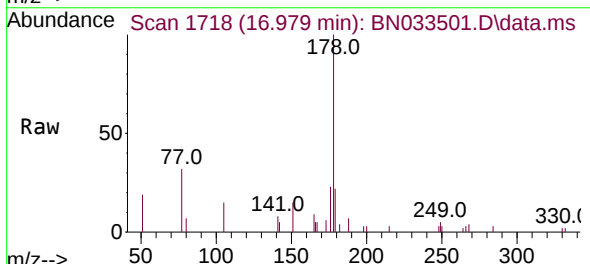
Tgt Ion:188 Resp: 2095
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 7.8 11.8

Manual Integrations
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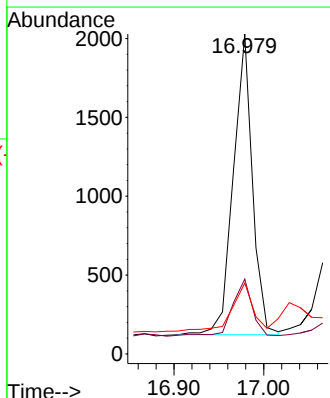
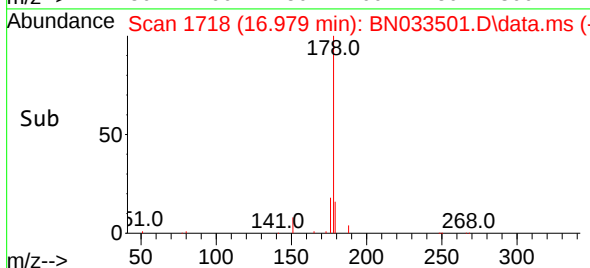
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

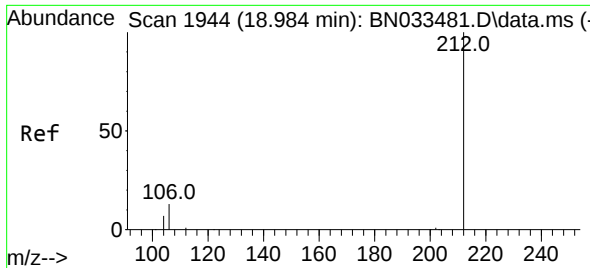


#25
Phenanthrene
Concen: 0.048 ng
RT: 16.979 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11



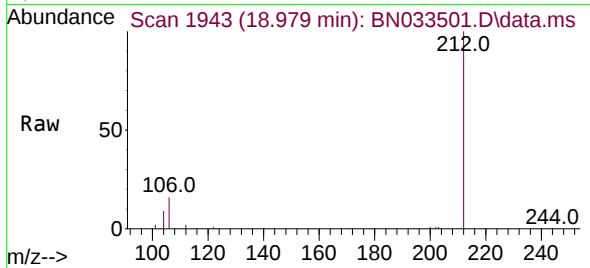
Tgt Ion:178 Resp: 2812
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 17.0 12.3 18.5





#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 18.979 min Scan# 1943
Delta R.T. -0.005 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

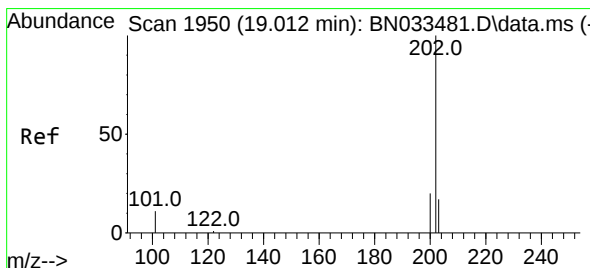
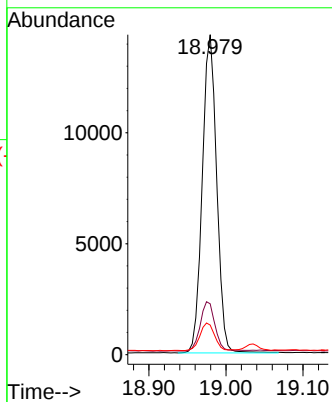
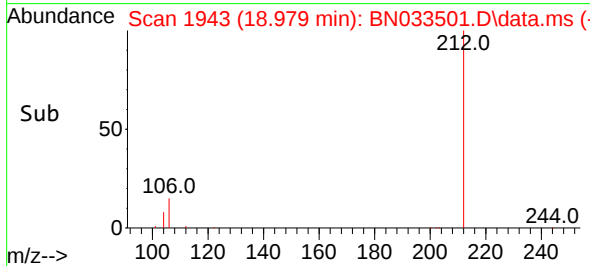
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



Tgt Ion:212 Resp: 18652
Ion Ratio Lower Upper
212 100
106 15.8 12.3 18.5
104 8.9 7.0 10.4

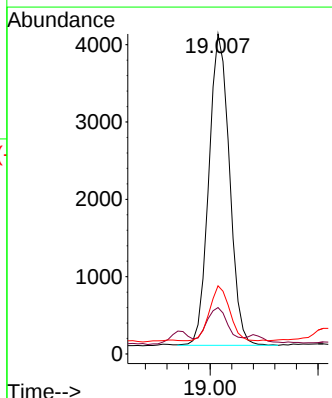
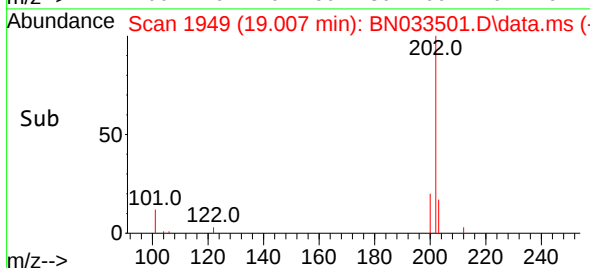
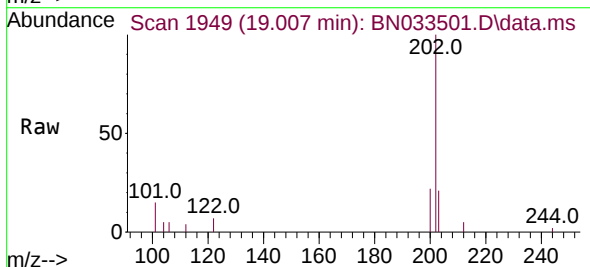
Manual Integrations
APPROVED

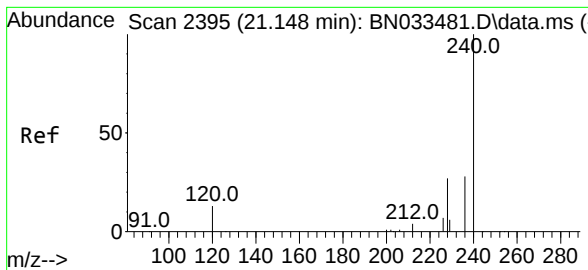
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#28
Fluoranthene
Concen: 0.083 ng
RT: 19.007 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

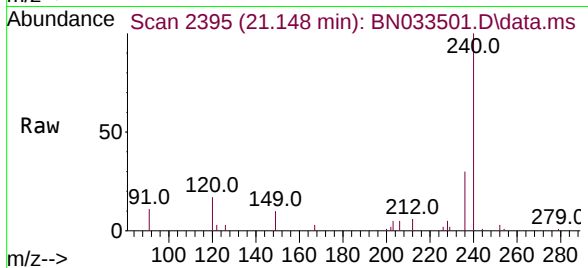
Tgt Ion:202 Resp: 5344
Ion Ratio Lower Upper
202 100
101 12.3 9.5 14.3
203 17.4 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.148 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

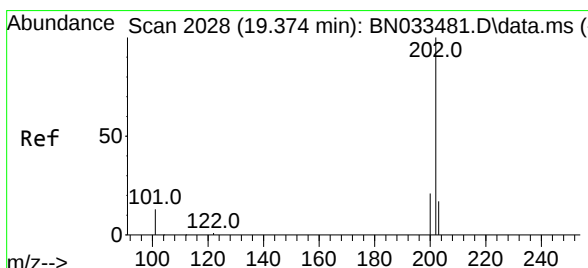
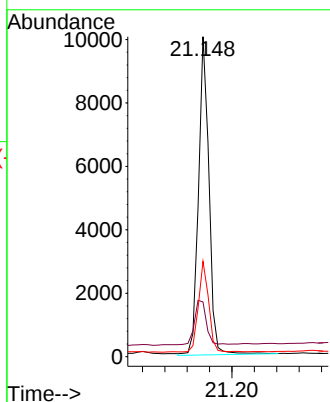
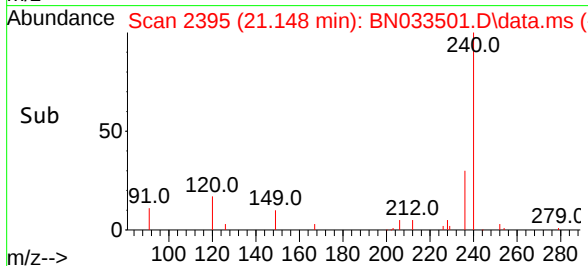
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



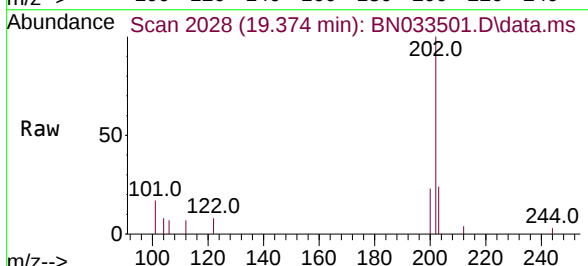
Tgt Ion:240 Resp: 13070
Ion Ratio Lower Upper
240 100
120 17.1 12.4 18.6
236 29.8 23.0 34.6

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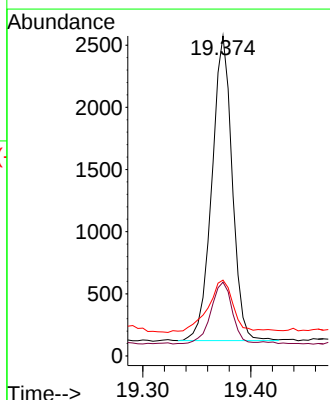
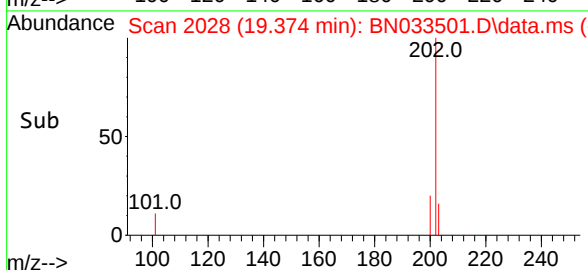
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

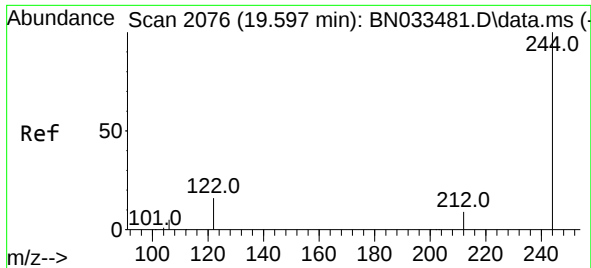


#30
Pyrene
Concen: 0.055 ng
RT: 19.374 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11



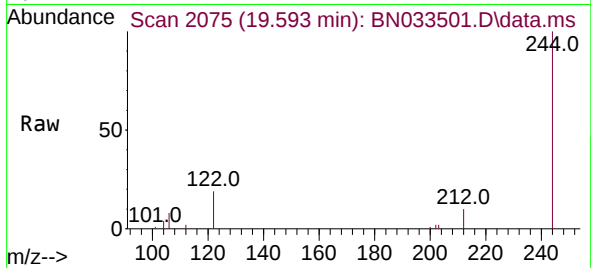
Tgt Ion:202 Resp: 3196
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 22.3 14.2 21.4#





#31
 Terphenyl-d14
 Concen: 0.459 ng
 RT: 19.593 min Scan# 2076
 Delta R.T. -0.005 min
 Lab File: BN033501.D
 Acq: 20 Aug 2024 12:11

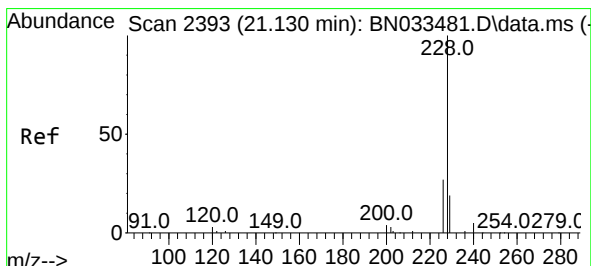
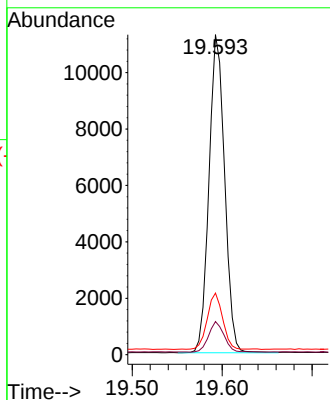
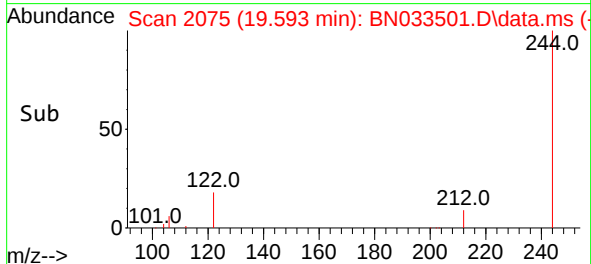
Instrument :
 BNA_N
 ClientSampleId :
 917-J-WS-081624



Tgt Ion:244 Resp: 1363
 Ion Ratio Lower Upper
 244 100
 212 10.3 7.8 11.6
 122 19.3 13.3 19.9

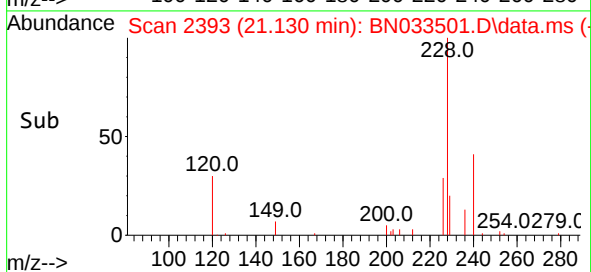
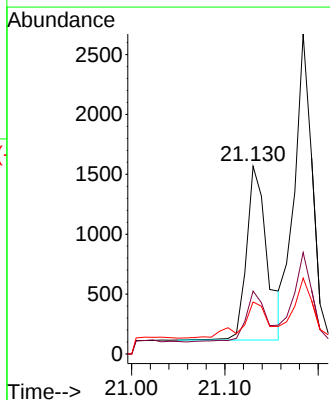
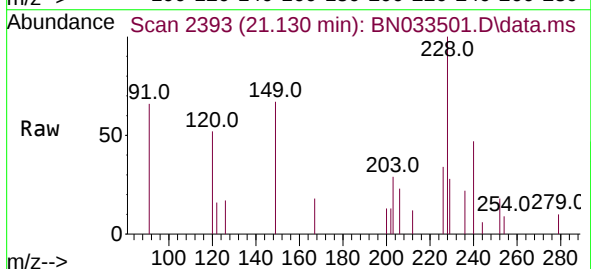
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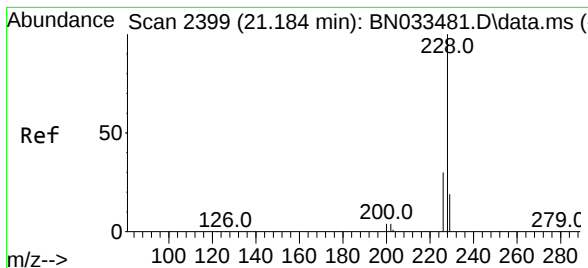
Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024



#32
 Benzo(a)anthracene
 Concen: 0.047 ng
 RT: 21.130 min Scan# 2393
 Delta R.T. -0.000 min
 Lab File: BN033501.D
 Acq: 20 Aug 2024 12:11

Tgt Ion:228 Resp: 2216
 Ion Ratio Lower Upper
 228 100
 226 33.5 21.8 32.6#
 229 27.7 15.8 23.6#





#33

Chrysene

Concen: 0.072 ng

RT: 21.184 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033501.D

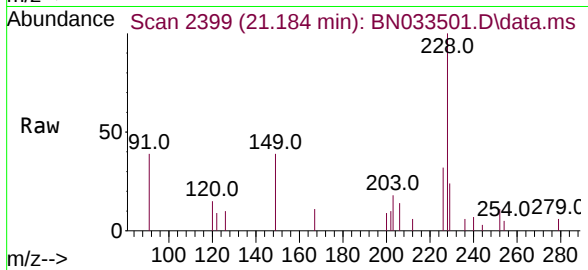
Acq: 20 Aug 2024 12:11

Instrument :

BNA_N

ClientSampleId :

917-J-WS-081624



Tgt Ion:228 Resp: 3360

Ion Ratio Lower Upper

228 100

226 31.7 23.8 35.8

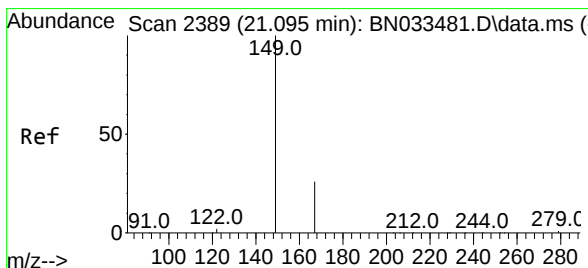
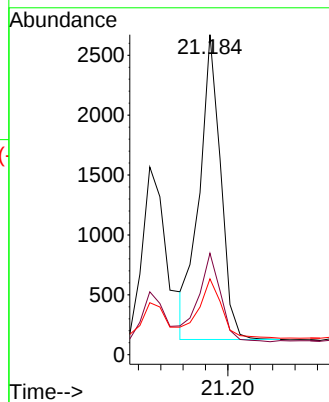
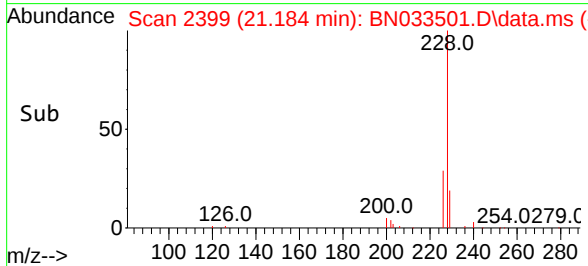
229 23.7 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.210 ng

RT: 21.094 min Scan# 2389

Delta R.T. -0.000 min

Lab File: BN033501.D

Acq: 20 Aug 2024 12:11

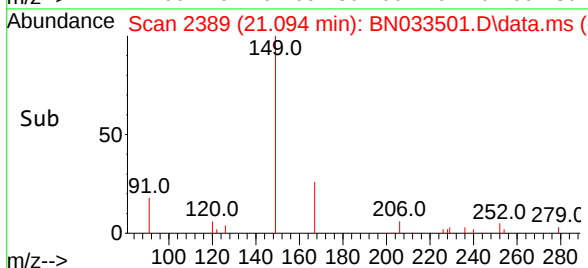
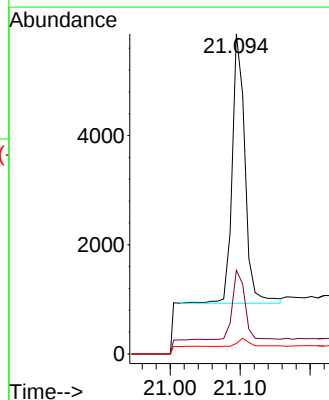
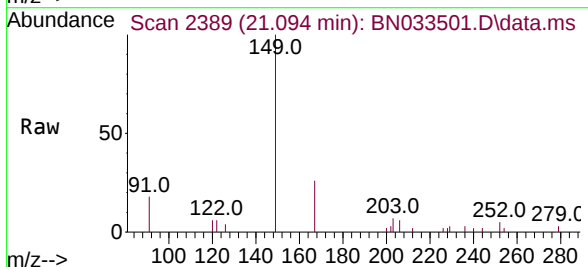
Tgt Ion:149 Resp: 6278

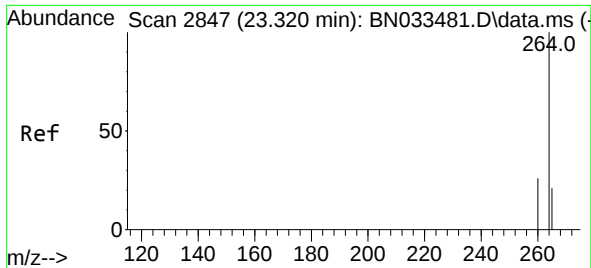
Ion Ratio Lower Upper

149 100

167 24.4 21.5 32.3

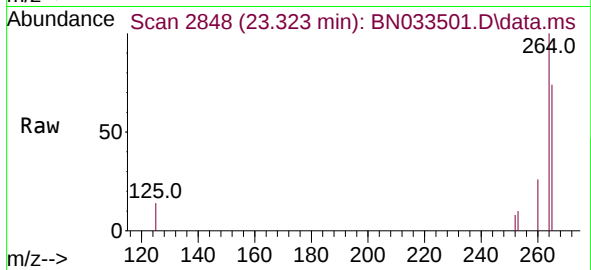
279 2.4 2.2 3.2





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.323 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

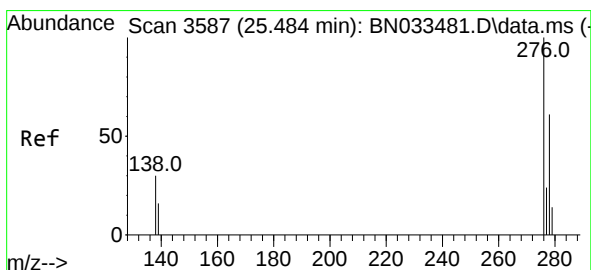
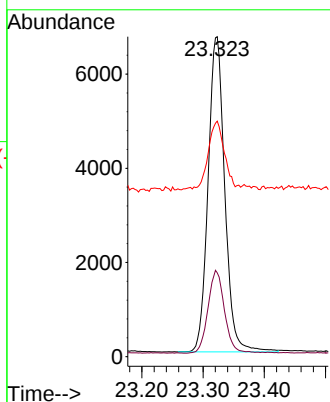
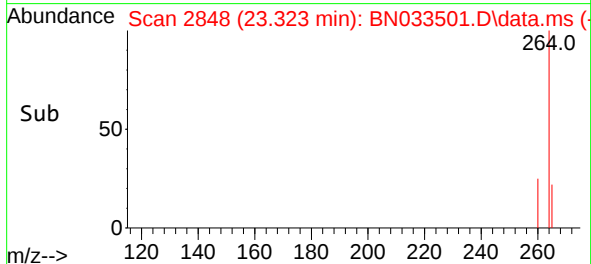
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



Tgt Ion:264 Resp: 12675
Ion Ratio Lower Upper
264 100
260 26.2 20.8 31.2
265 73.6 52.2 78.2

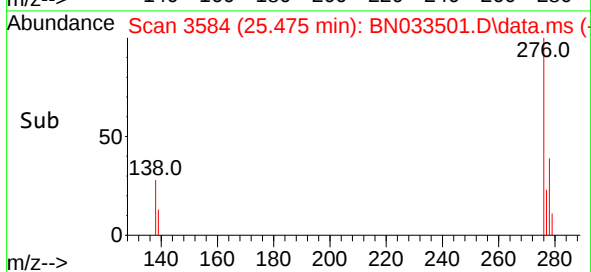
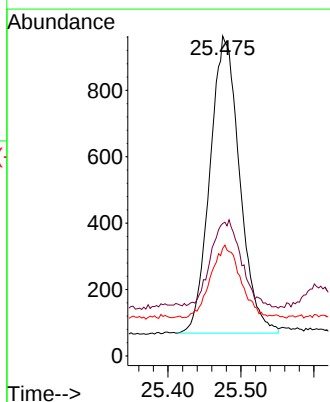
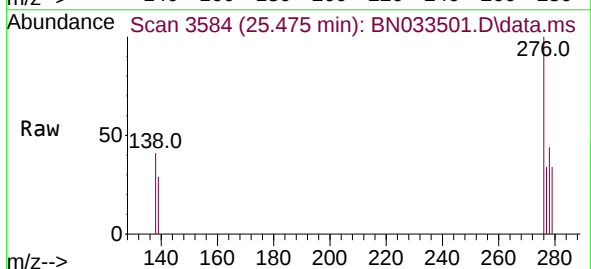
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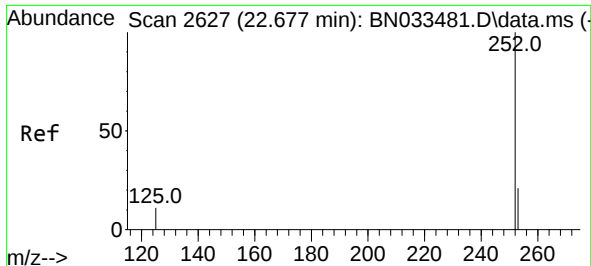
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.048 ng
RT: 25.475 min Scan# 3584
Delta R.T. -0.009 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

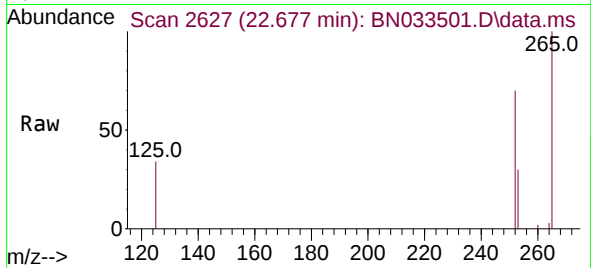
Tgt Ion:276 Resp: 2532
Ion Ratio Lower Upper
276 100
138 31.0 24.4 36.6
277 24.1 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.067 ng
RT: 22.677 min Scan# 2627
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

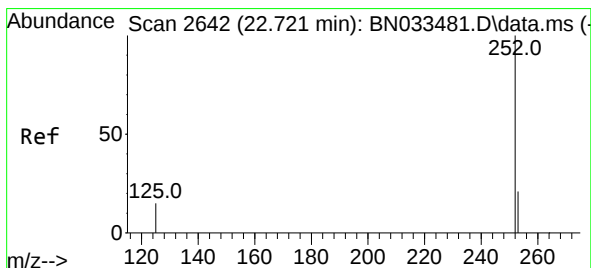
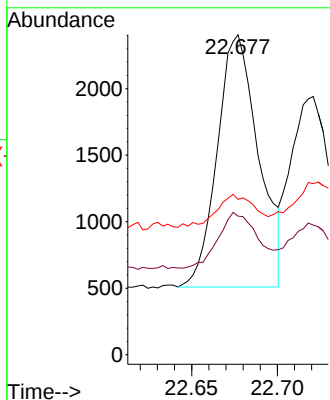
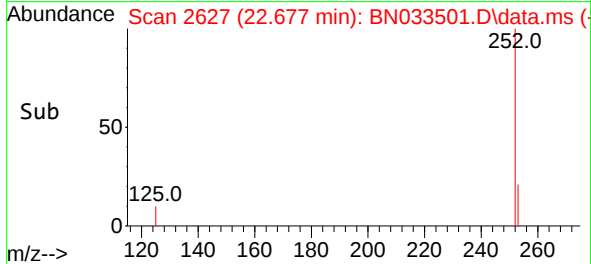
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



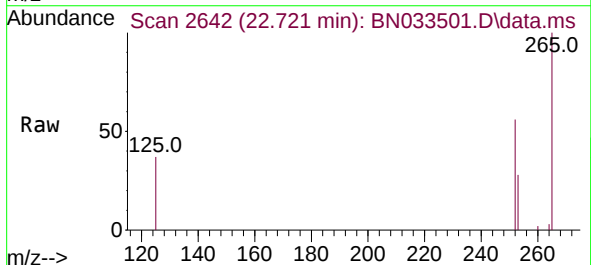
Tgt Ion:252 Resp: 318
Ion Ratio Lower Upper
252 100
253 43.3 19.8 29.8#
125 48.5 13.9 20.9#

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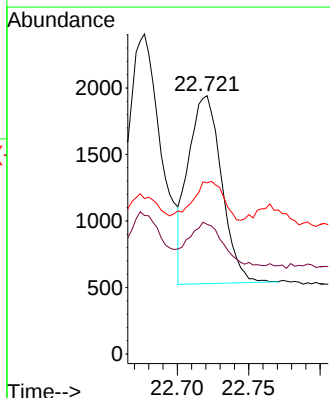
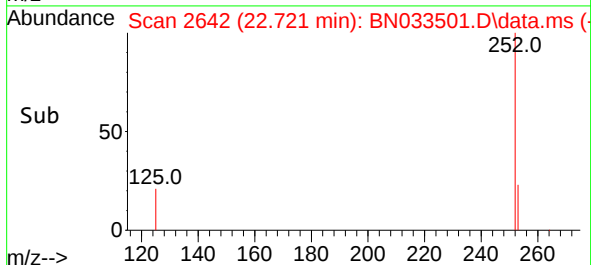
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

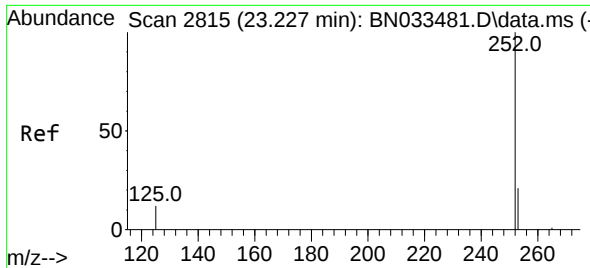


#38
Benzo(k)fluoranthene
Concen: 0.049 ng
RT: 22.721 min Scan# 2642
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11



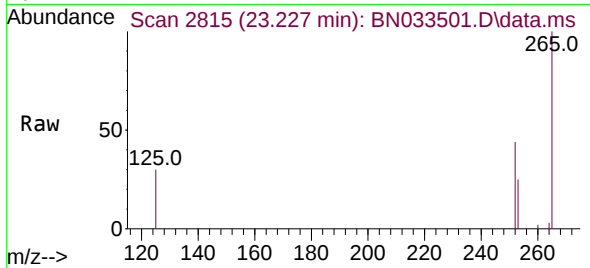
Tgt Ion:252 Resp: 2293
Ion Ratio Lower Upper
252 100
253 50.2 19.8 29.8#
125 66.2 15.8 23.8#





#39
Benzo(a)pyrene
Concen: 0.046 ng
RT: 23.227 min Scan# 2815
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11

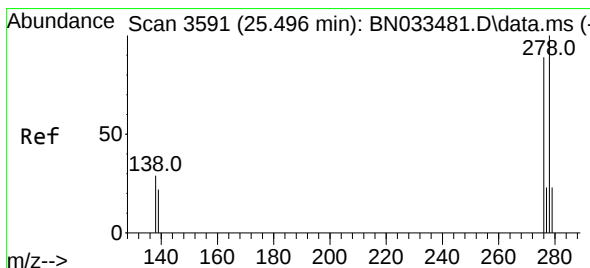
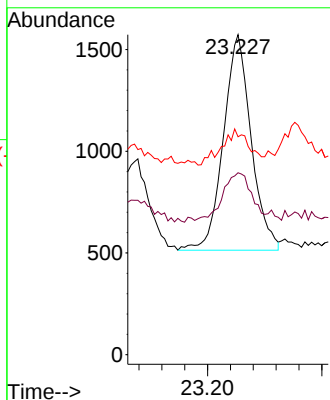
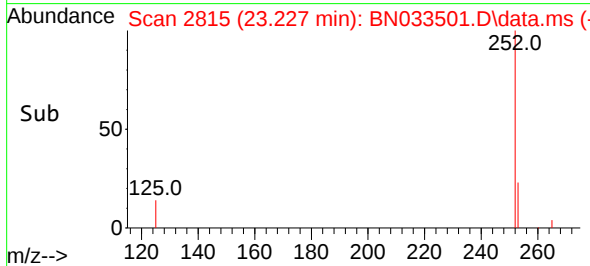
Instrument :
BNA_N
ClientSampleId :
917-J-WS-081624



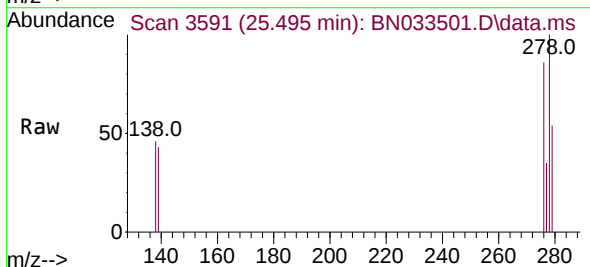
Tgt Ion:252 Resp: 178
Ion Ratio Lower Upper
252 100
253 56.8 21.5 32.3#
125 68.1 17.0 25.4#

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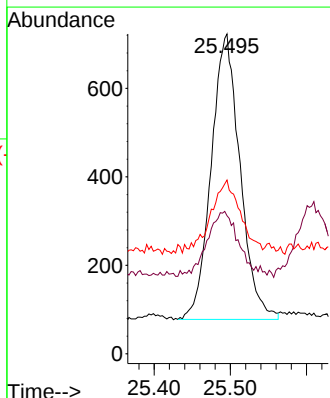
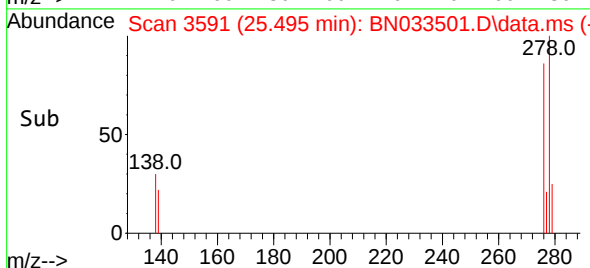
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

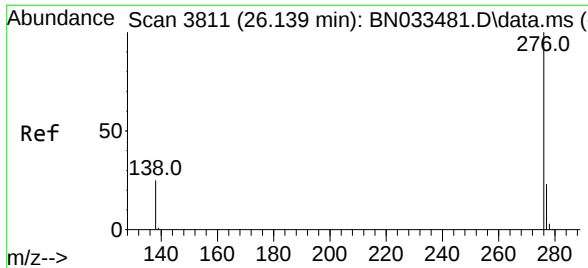


#40
Dibenzo(a,h)anthracene
Concen: 0.040 ng
RT: 25.495 min Scan# 3591
Delta R.T. -0.000 min
Lab File: BN033501.D
Acq: 20 Aug 2024 12:11



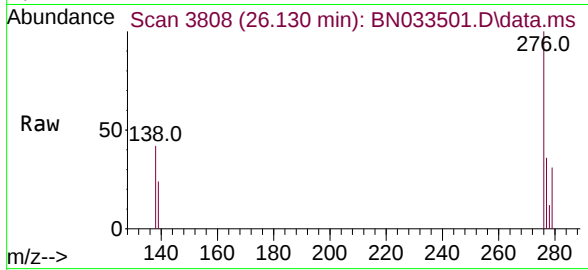
Tgt Ion:278 Resp: 1695
Ion Ratio Lower Upper
278 100
139 43.2 19.1 28.7#
279 54.4 21.0 31.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.050 ng
 RT: 26.130 min Scan# 3808
 Delta R.T. -0.009 min
 Lab File: BN033501.D
 Acq: 20 Aug 2024 12:11

Instrument :
 BNA_N
 ClientSampleId :
 917-J-WS-081624



Tgt Ion: 276 Resp: 224

Ion	Ratio	Lower	Upper
276	100		
277	36.5	19.7	29.5
138	41.6	21.8	32.6

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

