

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033538.D
 Acq On : 21 Aug 2024 11:53
 Operator : MA/JU
 Sample : P3643-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 921-J-SD-0-0.5-081524-FD

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 12:57:10 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	9975	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	26508	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	12623	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	23903	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	19394	0.400	ng	# 0.00
35) Perylene-d12	23.312	264	20944	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4928	0.155	ng	0.00
5) Phenol-d6	6.736	99	5922	0.157	ng	0.00
8) Nitrobenzene-d5	8.681	82	3942	0.179	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	6293	0.166	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	891	0.131	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	8801	0.171	ng	-0.01
27) Fluoranthene-d10	18.975	212	8556	0.149	ng	0.00
31) Terphenyl-d14	19.588	244	5947	0.135	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	5160	0.073	ng	96
12) 2-Methylnaphthalene	11.979	142	4488	0.100	ng	98
16) Acenaphthylene	13.900	152	3720	0.067	ng	# 94
17) Acenaphthene	14.242	154	37976	0.975	ng	98
18) Fluorene	15.236	166	35979	0.733	ng	98
25) Phenanthrene	16.979	178	616448	9.270	ng	100
26) Anthracene	17.066	178	146486	2.490	ng	97
28) Fluoranthene	19.003	202	1103776	15.020	ng	100
30) Pyrene	19.370	202	956242	11.047	ng	# 93
32) Benzo(a)anthracene	21.130	228	524191	7.476	ng	99
33) Chrysene	21.175	228	466751	6.697	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	9760m	0.220	ng	
36) Indeno(1,2,3-cd)pyrene	25.466	276	297012	3.416	ng	95
37) Benzo(b)fluoranthene	22.668	252	621827	7.950	ng	# 93
38) Benzo(k)fluoranthene	22.709	252	234166m	3.042	ng	
39) Benzo(a)pyrene	23.218	252	472284m	7.298	ng	
40) Dibenzo(a,h)anthracene	25.472	278	68839	0.990	ng	98
41) Benzo(g,h,i)perylene	26.118	276	297289	3.998	ng	99

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

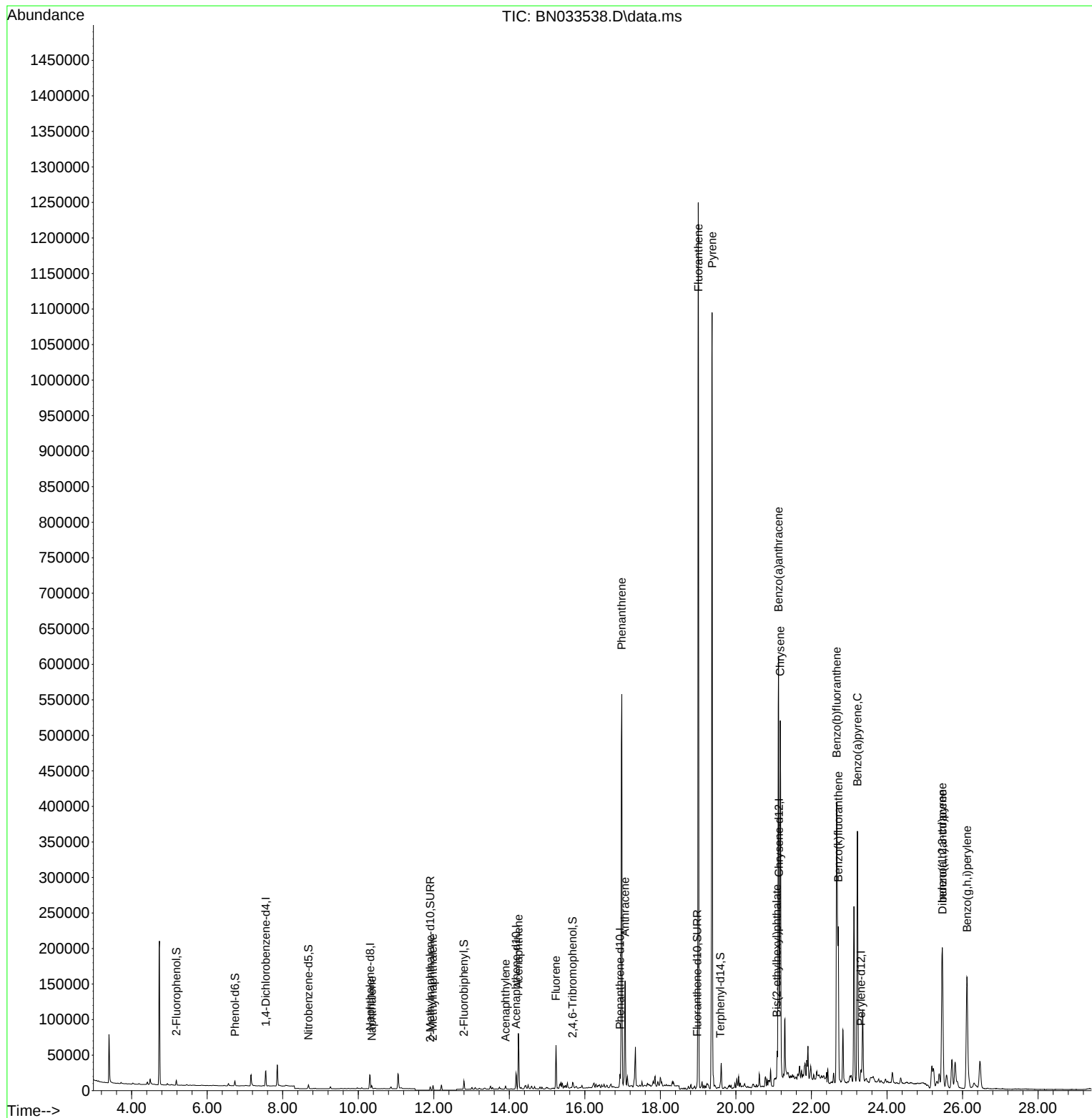
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
Data File : BN033538.D
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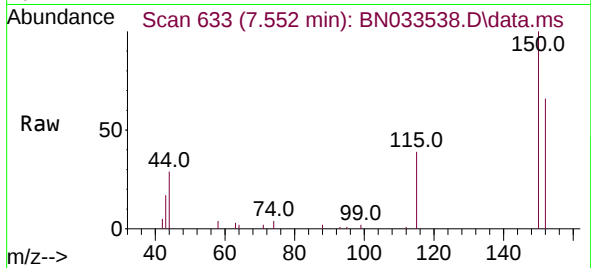
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

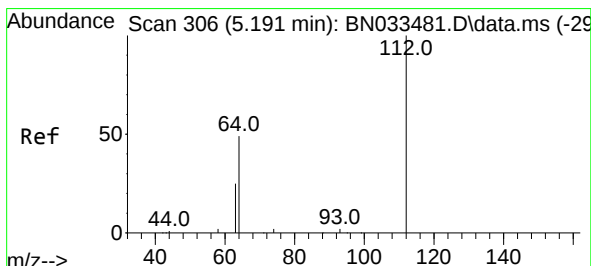
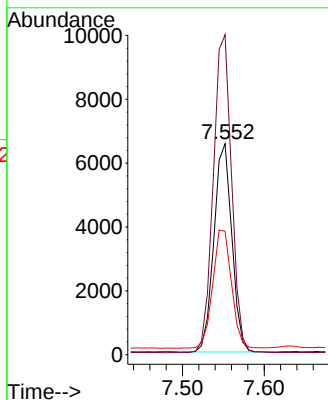
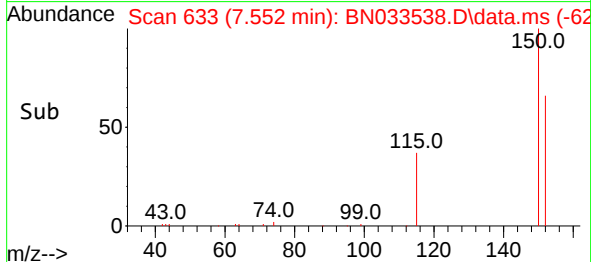
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD



Tgt Ion:152 Resp: 997
Ion Ratio Lower Upper
152 100
150 151.6 122.2 183.2
115 58.4 47.2 70.8

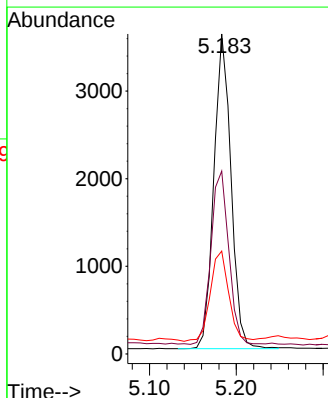
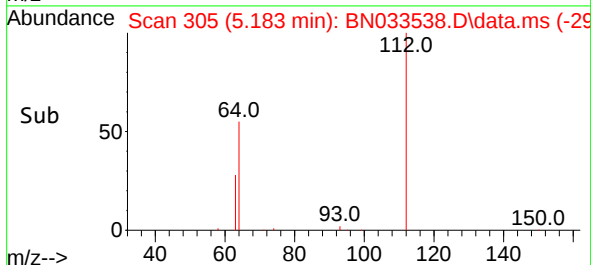
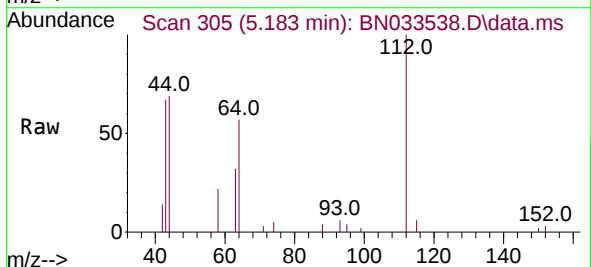
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#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

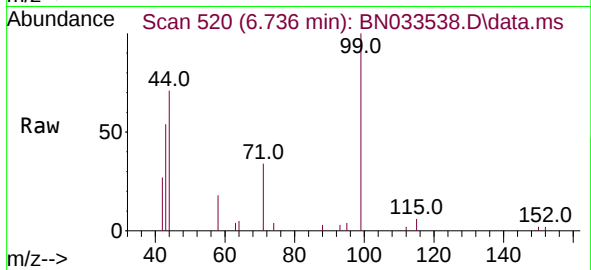
Tgt Ion:112 Resp: 4928
Ion Ratio Lower Upper
112 100
64 57.3 47.1 70.7
63 30.9 24.9 37.3





#5
Phenol-d6
Concen: 0.157 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

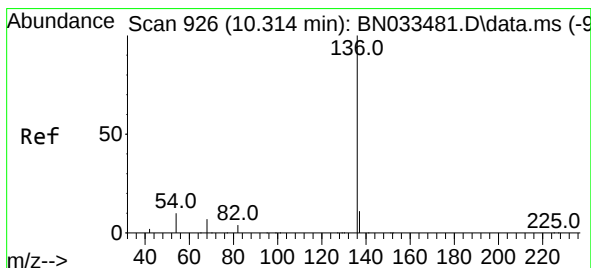
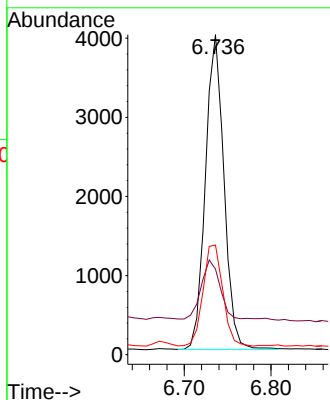
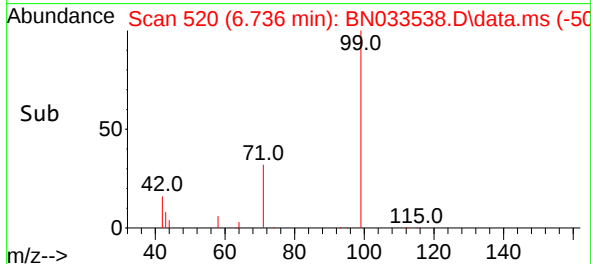
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD



Tgt Ion: 99 Resp: 592
Ion Ratio Lower Upper
99 100
42 20.4 16.6 24.8
71 34.2 26.2 39.4

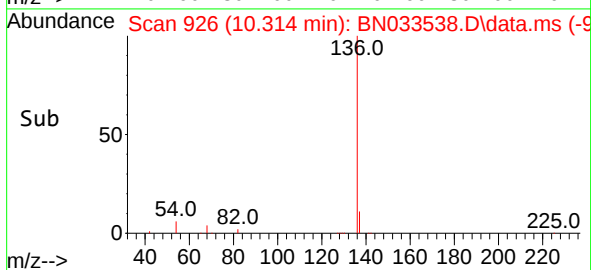
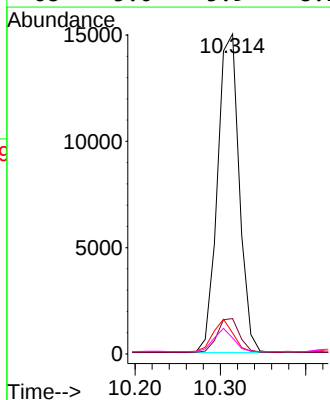
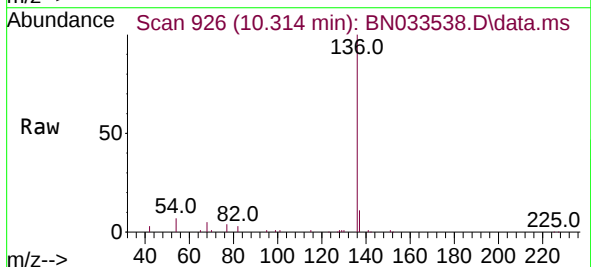
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. -0.000 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

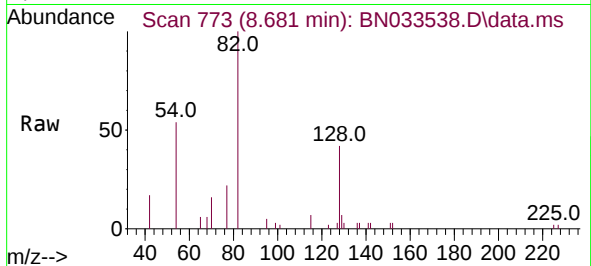
Tgt Ion:136 Resp: 26508
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 6.6 8.3 12.5#
68 5.0 5.9 8.9#





#8
Nitrobenzene-d5
Concen: 0.179 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

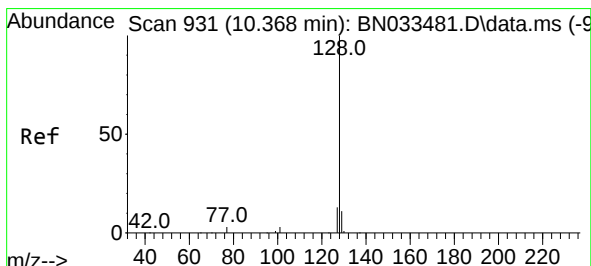
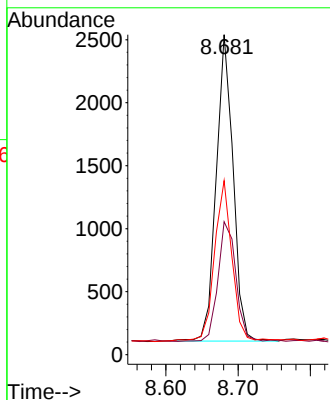
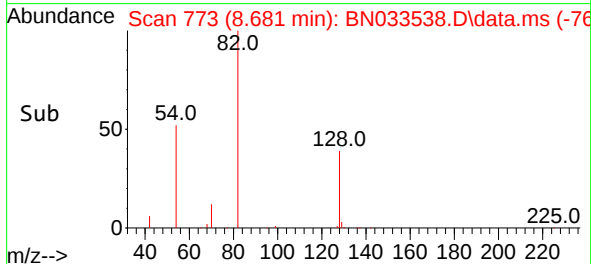
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD



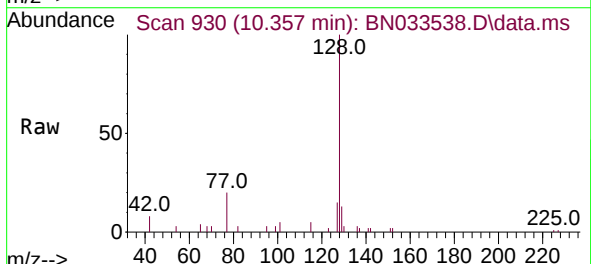
Tgt Ion: 82 Resp: 394
Ion Ratio Lower Upper
82 100
128 41.5 36.0 54.0
54 54.4 42.0 63.0

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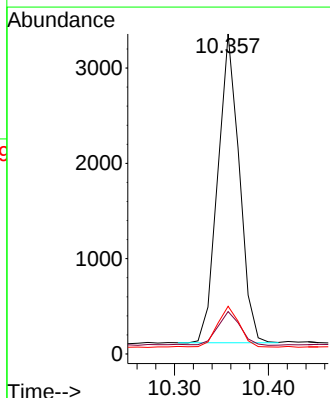
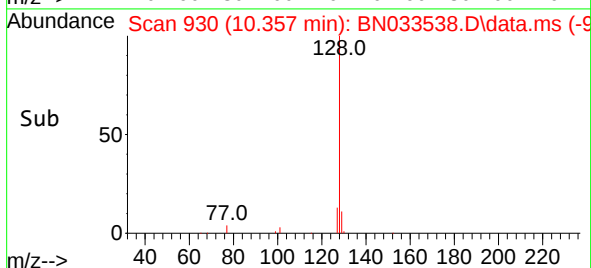
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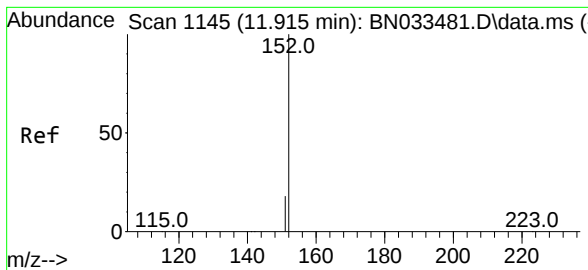


#9
Naphthalene
Concen: 0.073 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53



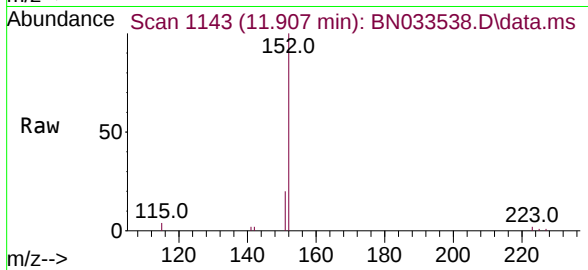
Tgt Ion:128 Resp: 5160
Ion Ratio Lower Upper
128 100
129 13.3 9.1 13.7
127 14.9 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.166 ng
RT: 11.907 min Scan# 1143
Delta R.T. -0.008 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

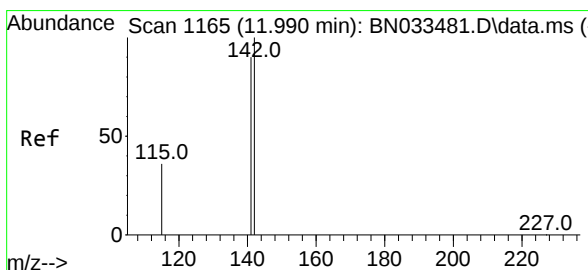
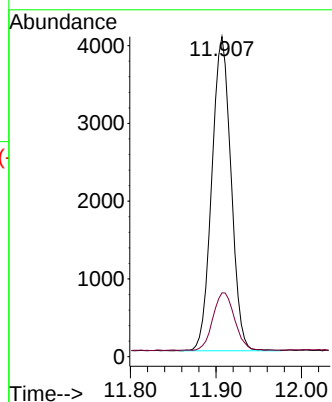
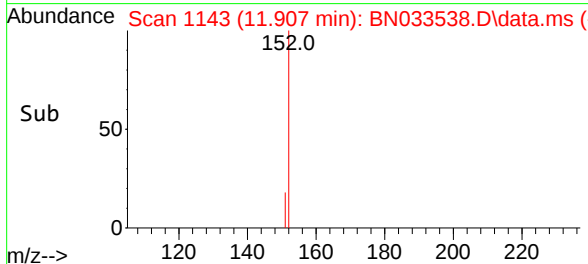
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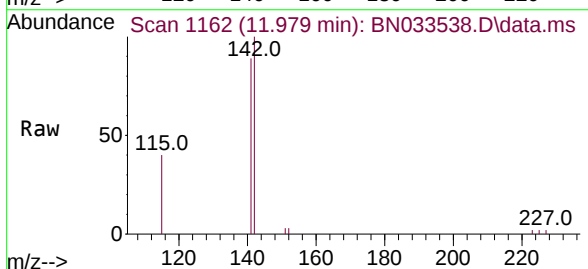
Tgt Ion:152 Resp: 629
Ion Ratio Lower Upper
152 100
151 20.7 16.6 25.0

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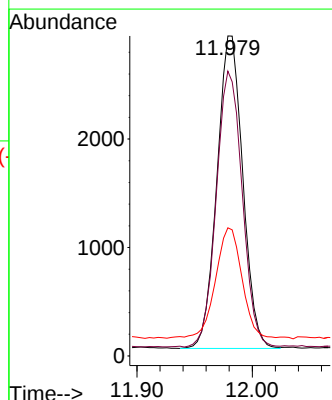
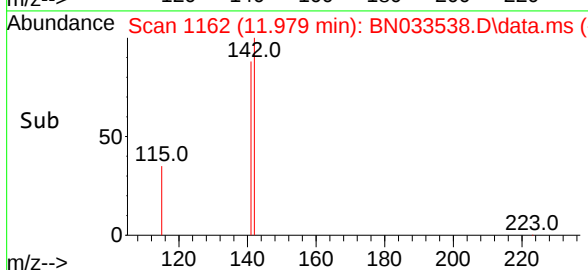
Reviewed By :Yogesh Patel 08/22/2024
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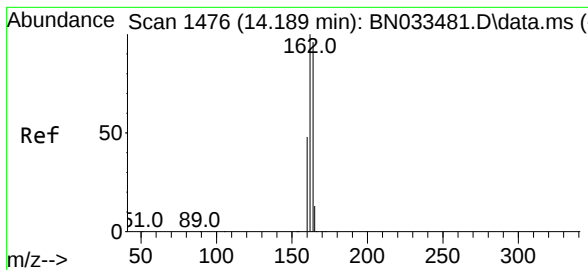


#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53



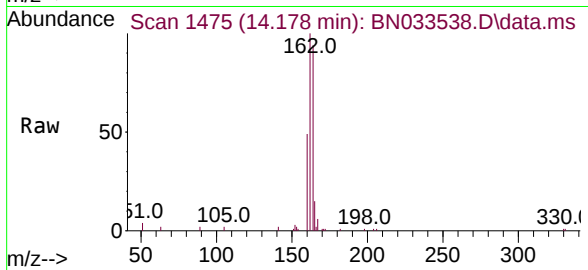
Tgt Ion:142 Resp: 4488
Ion Ratio Lower Upper
142 100
141 89.0 71.7 107.5
115 40.1 29.4 44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

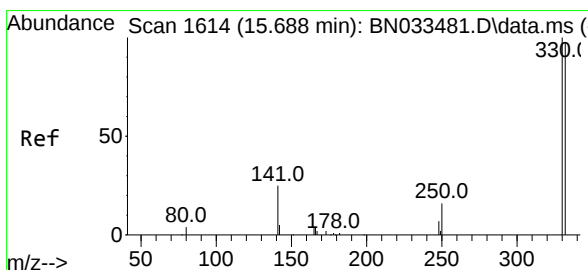
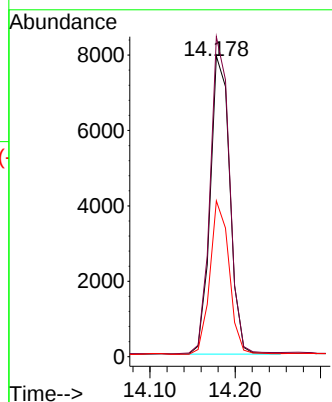
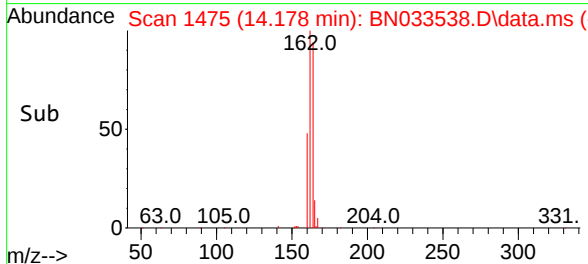
Instrument :
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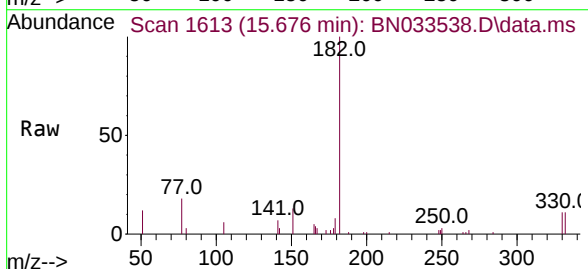
Tgt Ion:164 Resp: 1262
Ion Ratio Lower Upper
164 100
162 106.4 83.5 125.3
160 51.8 40.2 60.4

Manual Integrations
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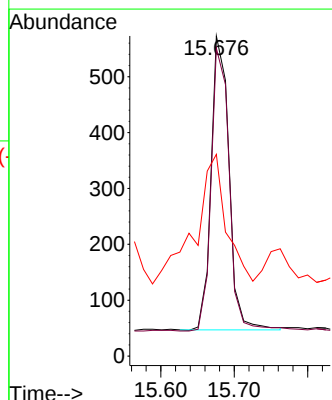
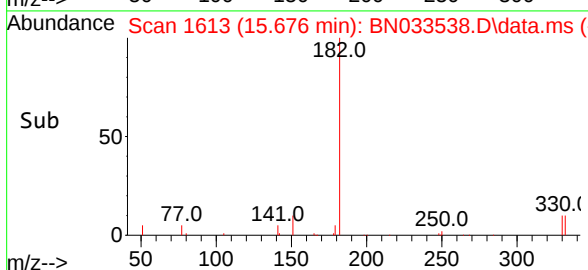
Reviewed By :Yogesh Patel 08/22/2024
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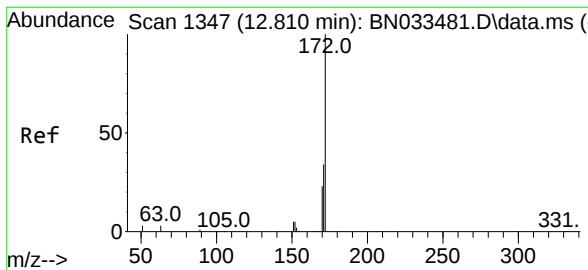


#14
2,4,6-Tribromophenol
Concen: 0.131 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.013 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53



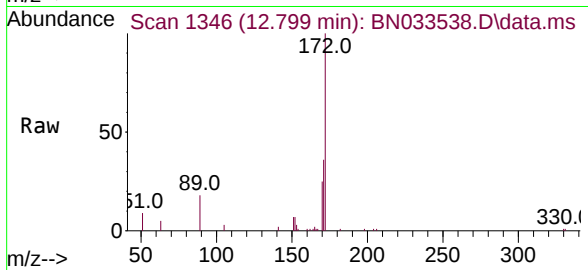
Tgt Ion:330 Resp: 891
Ion Ratio Lower Upper
330 100
332 97.6 77.5 116.3
141 71.2 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.171 ng
RT: 12.799 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

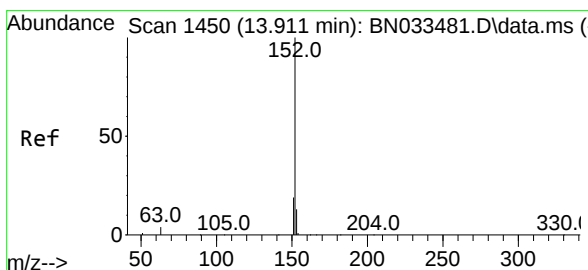
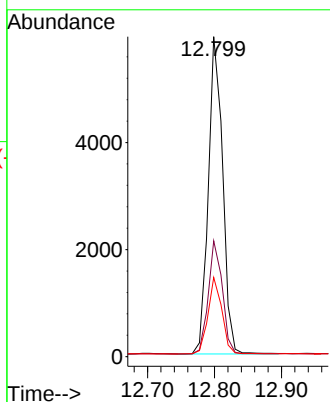
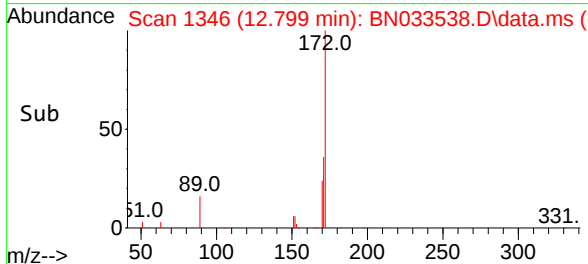
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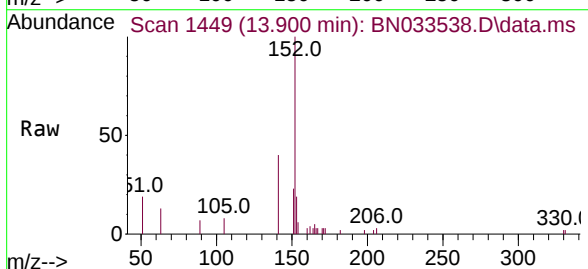
Tgt Ion:172 Resp: 880
Ion Ratio Lower Upper
172 100
171 36.2 27.7 41.5
170 24.8 18.3 27.5

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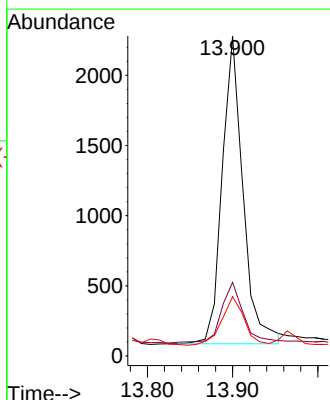
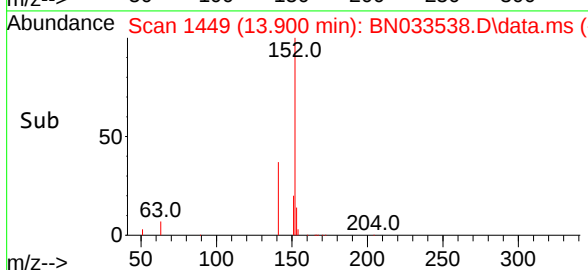
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

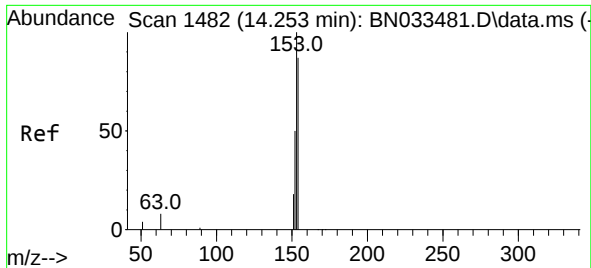


#16
Acenaphthylene
Concen: 0.067 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53



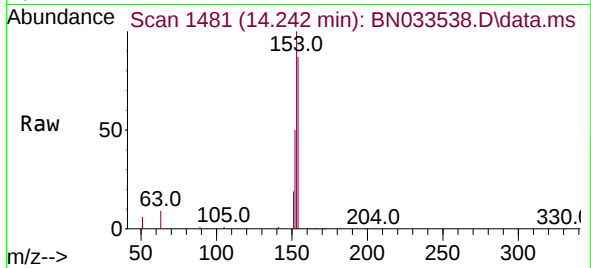
Tgt Ion:152 Resp: 3720
Ion Ratio Lower Upper
152 100
151 20.8 15.7 23.5
153 17.1 10.3 15.5





#17
Acenaphthene
Concen: 0.975 ng
RT: 14.242 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

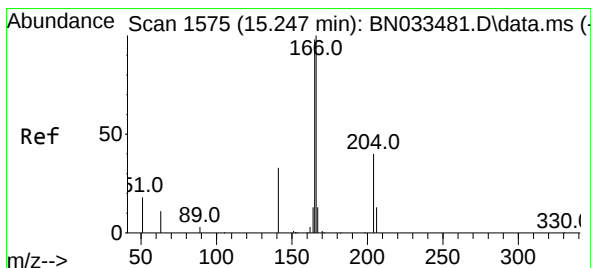
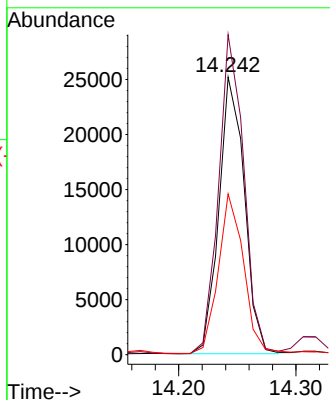
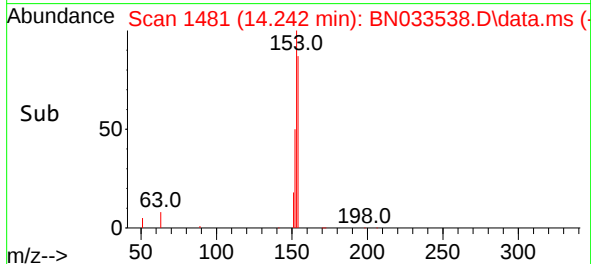
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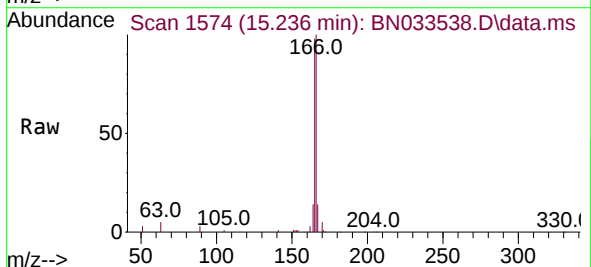
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Ion Ratio Lower Upper
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152 57.1 45.2 67.8

Manual Integrations
APPROVED

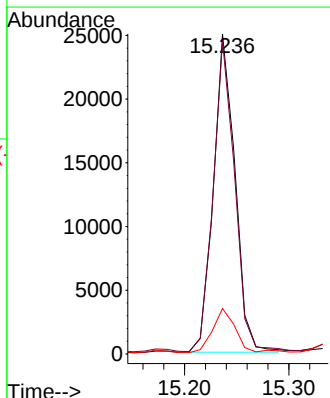
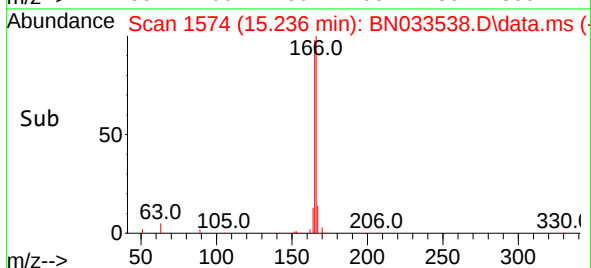
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

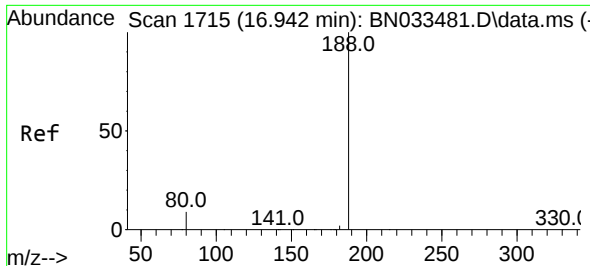


#18
Fluorene
Concen: 0.733 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53



Tgt Ion:166 Resp: 35979
Ion Ratio Lower Upper
166 100
165 96.2 78.2 117.4
167 14.8 10.6 16.0





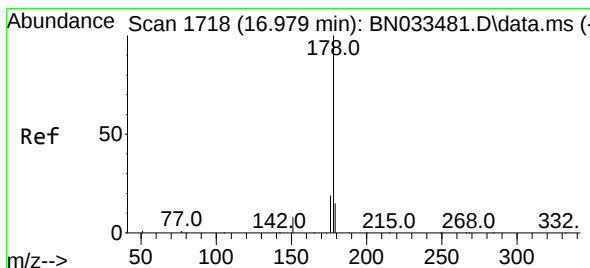
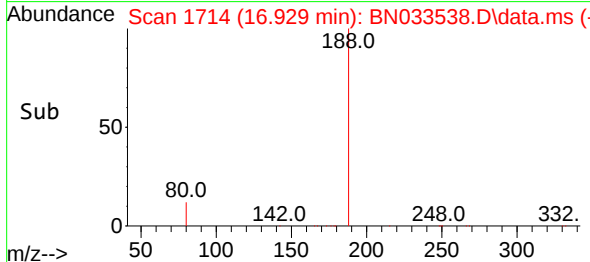
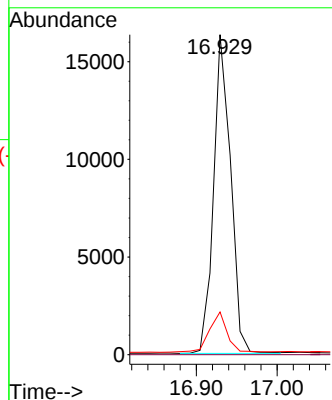
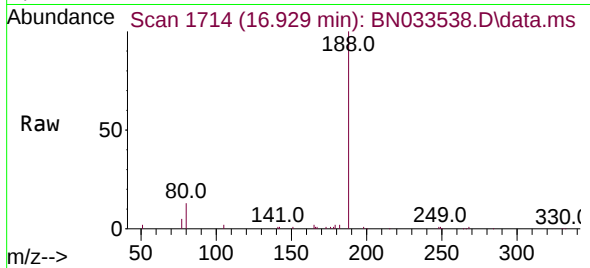
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD

Tgt Ion:188 Resp: 2390
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.3 7.8 11.8

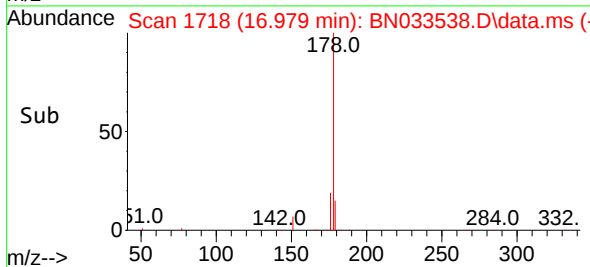
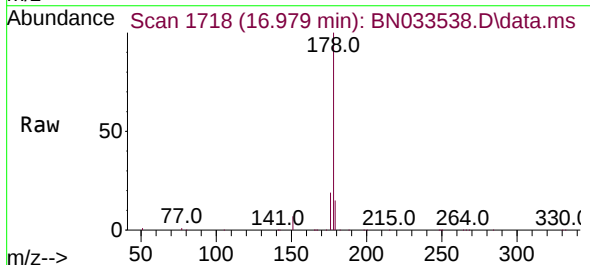
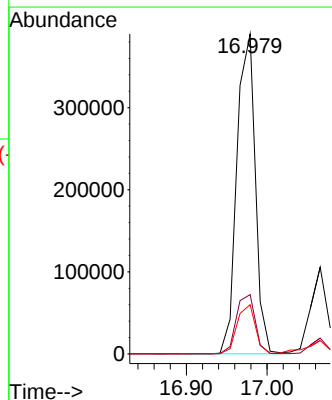
Manual Integrations
APPROVED

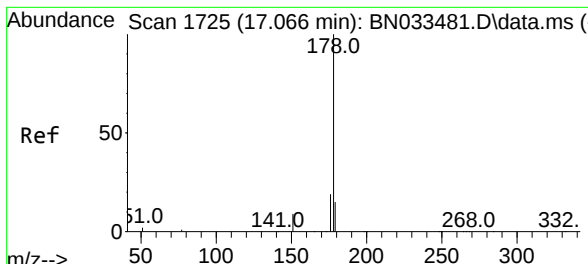
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#25
Phenanthrene
Concen: 9.270 ng
RT: 16.979 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

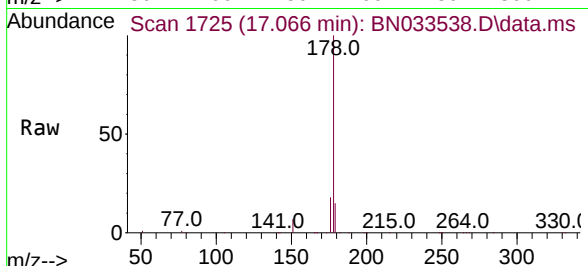
Tgt Ion:178 Resp: 616448
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.3 18.5





#26
 Anthracene
 Concen: 2.490 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033538.D
 Acq: 21 Aug 2024 11:53

Instrument :
 BNA_N
 ClientSampleId :
 921-J-SD-0-0.5-081524-FD

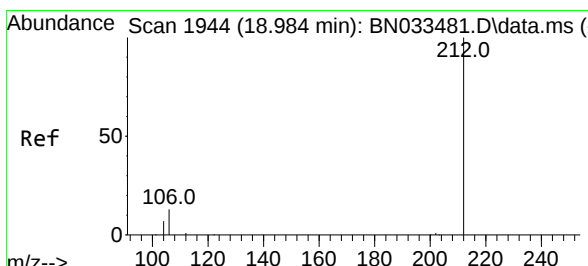
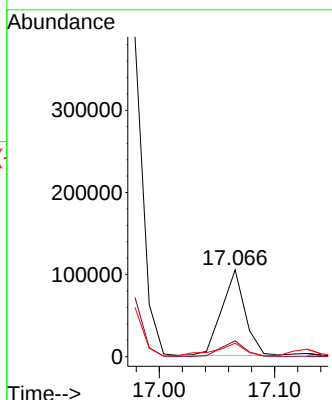
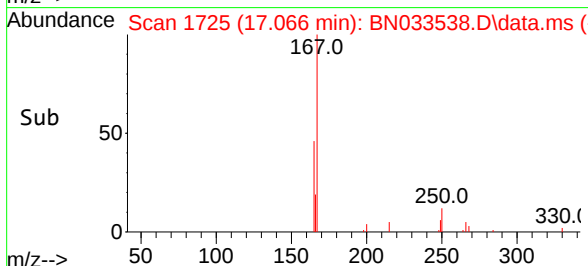


Tgt Ion: 178 Resp: 146480

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	18.3	12.4	18.6

Manual Integrations
 APPROVED

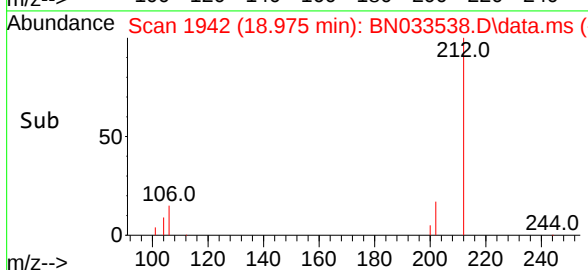
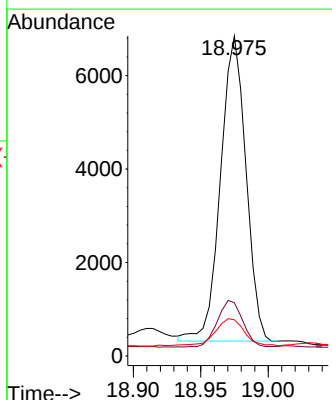
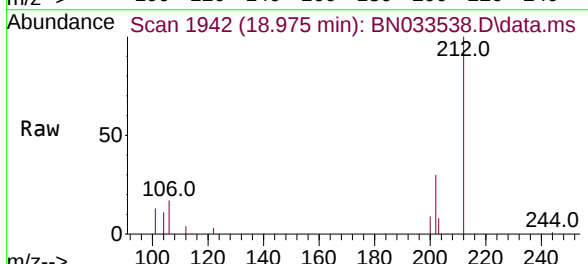
Reviewed By : Yogesh Patel 08/22/2024
 Supervised By : mohammad ahmed 08/22/2024

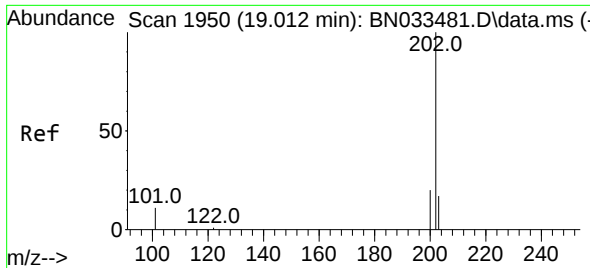


#27
 Fluoranthene-d10
 Concen: 0.149 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. -0.009 min
 Lab File: BN033538.D
 Acq: 21 Aug 2024 11:53

Tgt Ion: 212 Resp: 8556

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.3	18.5
104	10.8	7.0	10.4





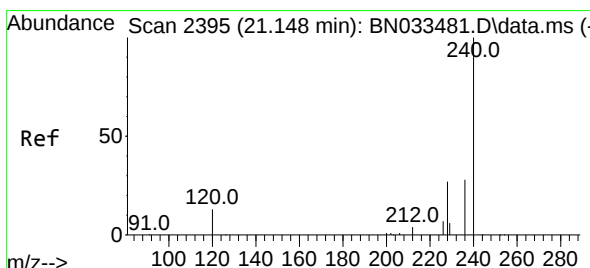
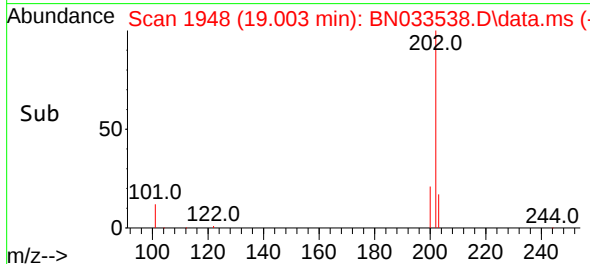
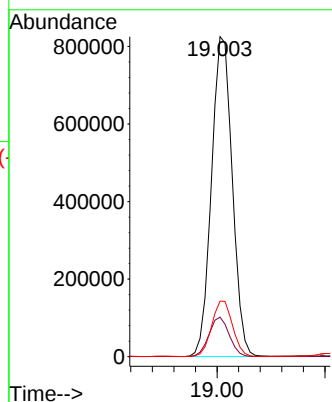
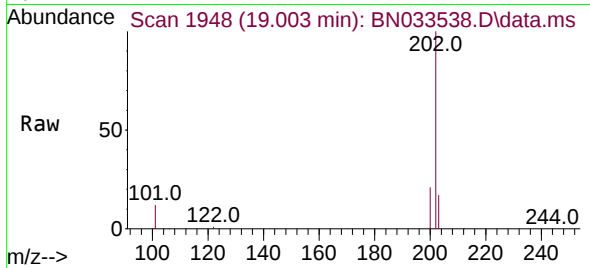
#28
Fluoranthene
Concen: 15.020 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD

Tgt Ion:202 Resp: 1103770
Ion Ratio Lower Upper
202 100
101 12.0 9.5 14.3
203 17.4 13.8 20.6

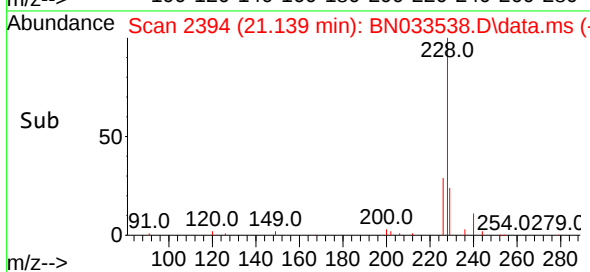
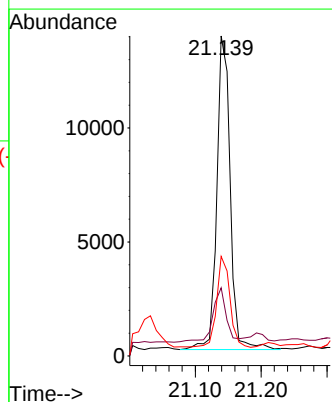
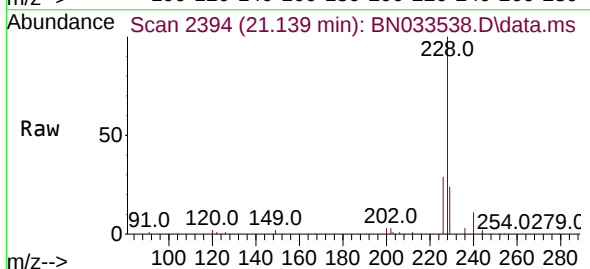
Manual Integrations
APPROVED

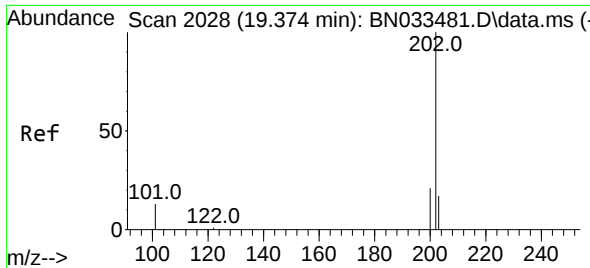
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

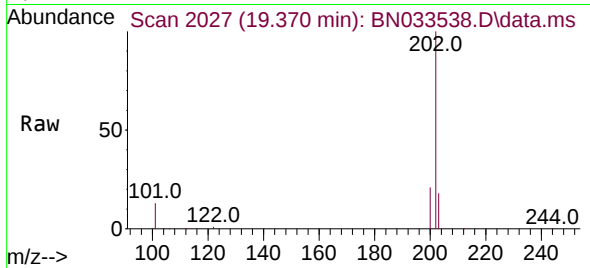
Tgt Ion:240 Resp: 19394
Ion Ratio Lower Upper
240 100
120 21.3 12.4 18.6#
236 31.1 23.0 34.6





#30
Pyrene
Concen: 11.047 ng
RT: 19.370 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

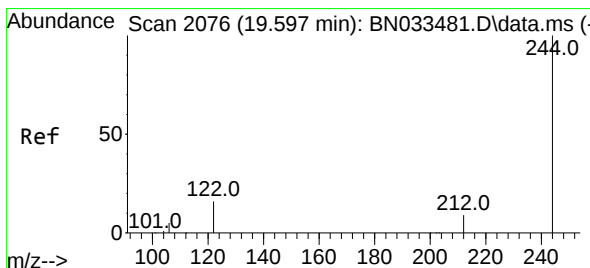
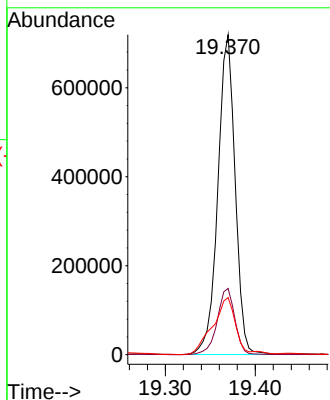
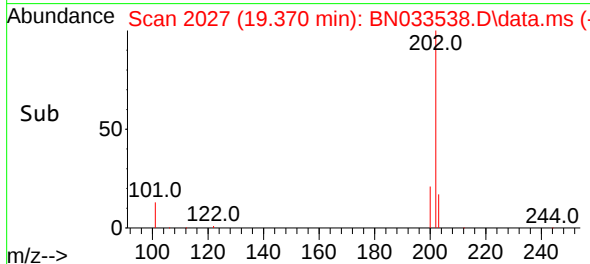
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD



Tgt Ion:202 Resp: 95624
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 23.8 14.2 21.4

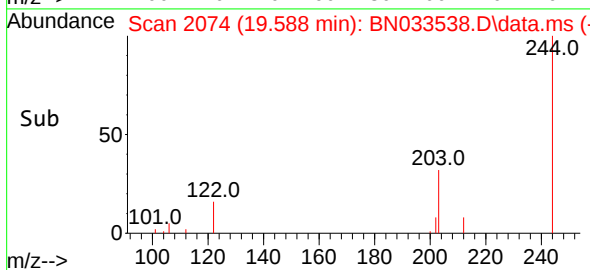
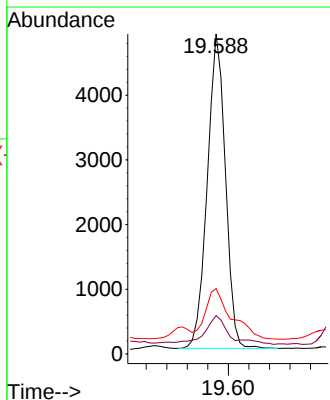
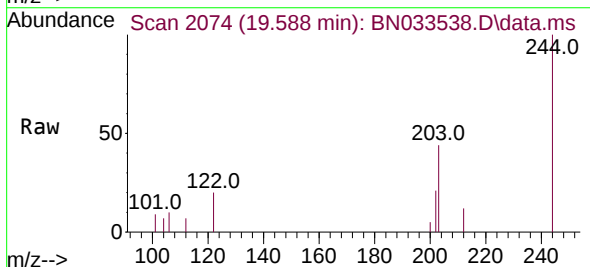
Manual Integrations
APPROVED

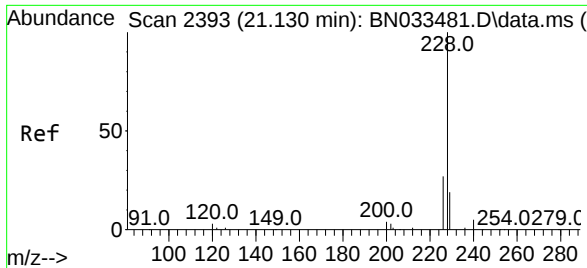
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#31
Terphenyl-d14
Concen: 0.135 ng
RT: 19.588 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

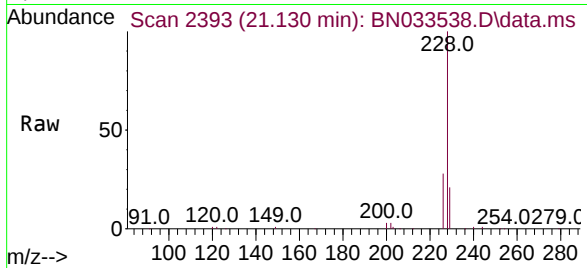
Tgt Ion:244 Resp: 5947
Ion Ratio Lower Upper
244 100
212 12.0 7.8 11.6#
122 20.4 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 7.476 ng
RT: 21.130 min Scan# 21130
Delta R.T. -0.000 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

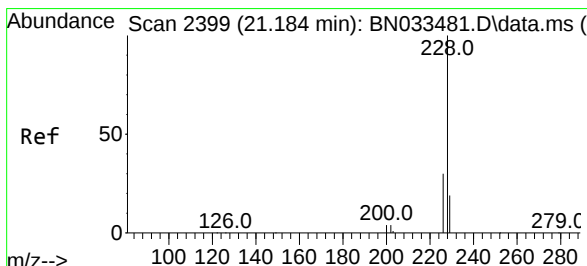
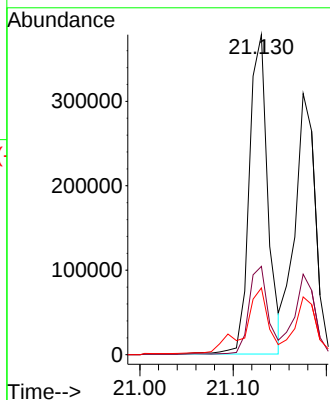
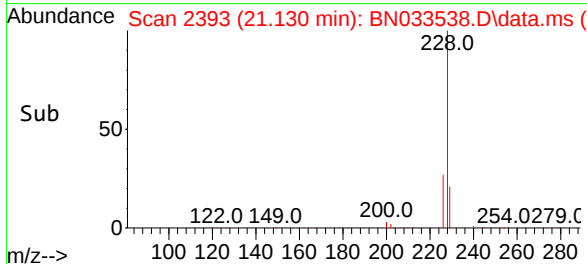
Instrument : BNA_N
ClientSampleId : 921-J-SD-0-0.5-081524-FD



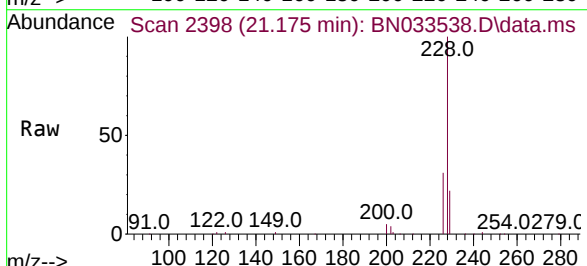
Tgt Ion:228 Resp: 52419
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.6
229 20.8 15.8 23.6

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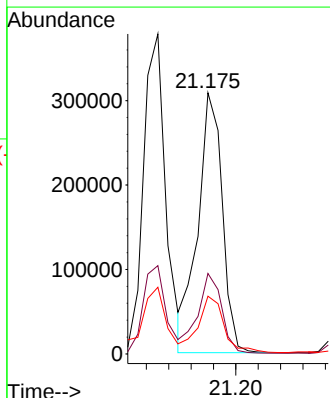
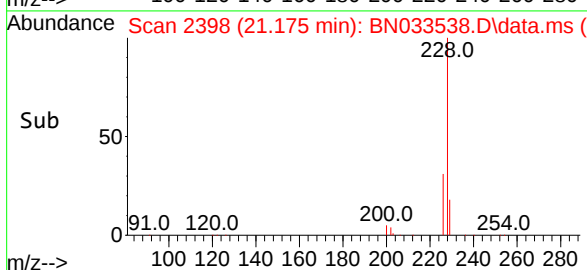
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

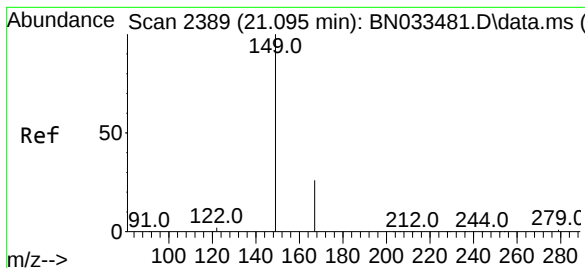


#33
Chrysene
Concen: 6.697 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53



Tgt Ion:228 Resp: 466751
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.8
229 22.1 15.6 23.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.220 ng m

RT: 21.086 min Scan# 2108

Delta R.T. -0.009 min

Lab File: BN033538.D

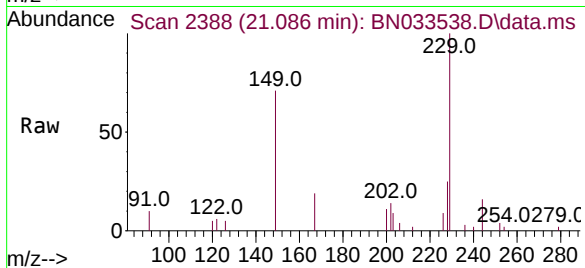
Acq: 21 Aug 2024 11:53

Instrument :

BNA_N

ClientSampleId :

921-J-SD-0-0.5-081524-FD



Tgt Ion:149 Resp: 9760

Ion Ratio Lower Upper

149 100

167 28.5 21.5 32.3

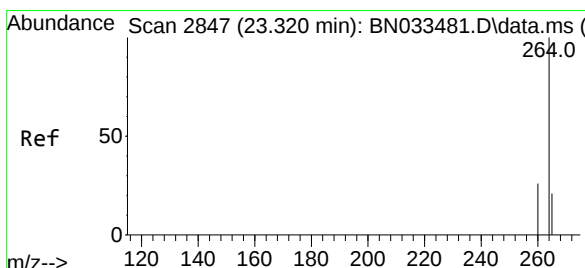
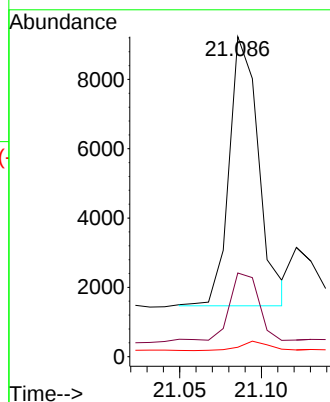
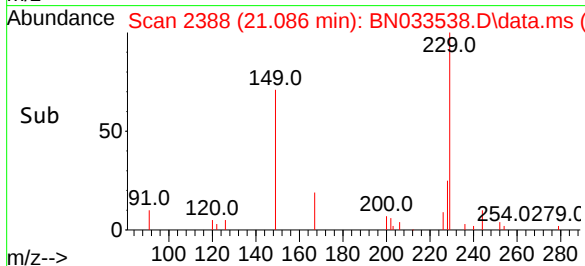
279 5.0 2.2 3.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.312 min Scan# 2844

Delta R.T. -0.009 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

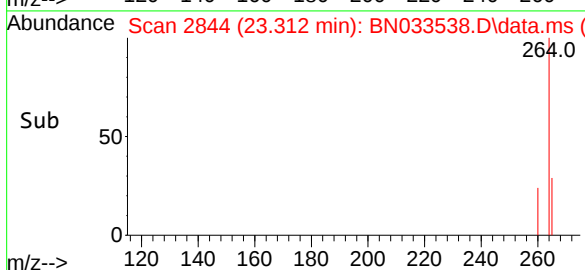
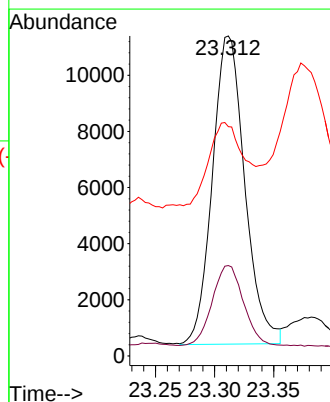
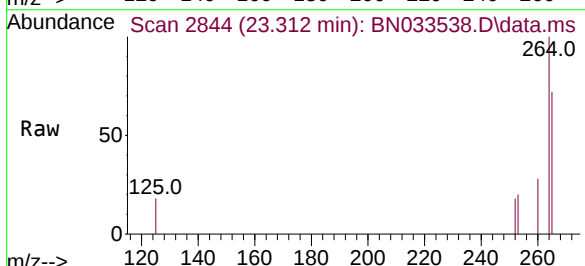
Tgt Ion:264 Resp: 20944

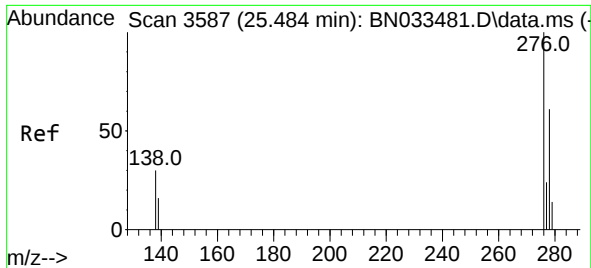
Ion Ratio Lower Upper

264 100

260 28.3 20.8 31.2

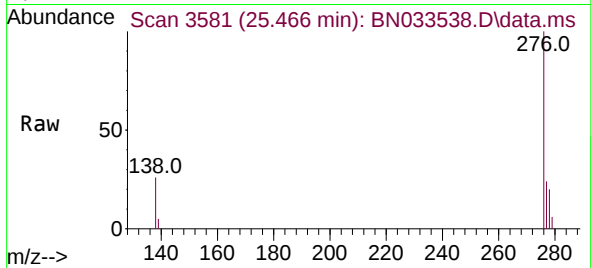
265 71.7 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.416 ng
RT: 25.466 min Scan# 3581
Delta R.T. -0.018 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

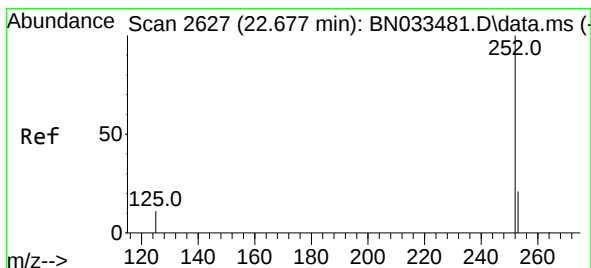
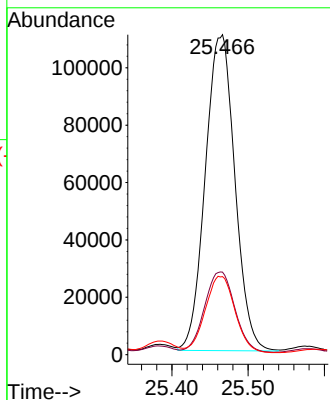
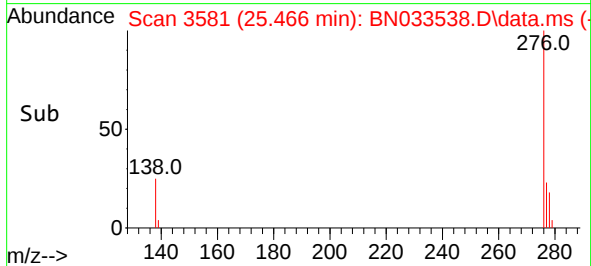
Instrument : BNA_N
ClientSampleId : 921-J-SD-0-0.5-081524-FD



Tgt Ion: 276 Resp: 297012
Ion Ratio Lower Upper
276 100
138 26.0 24.4 36.6
277 24.3 19.8 29.6

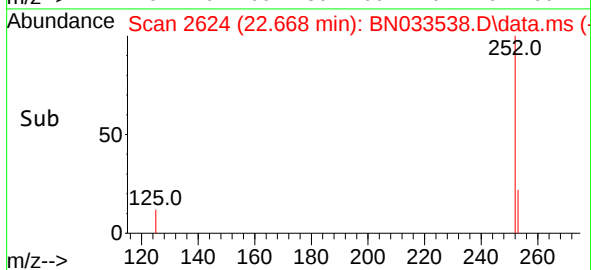
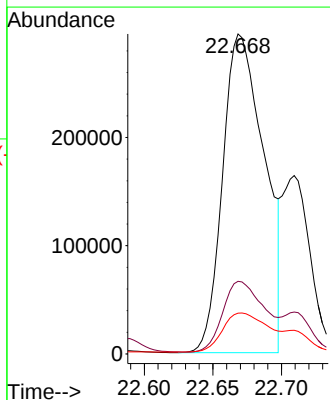
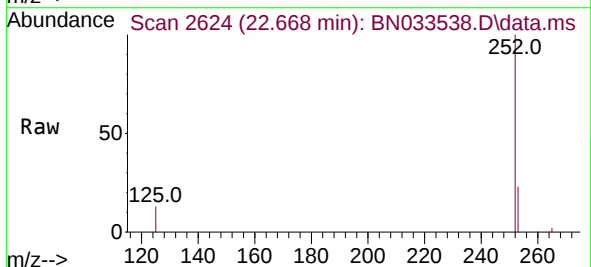
Manual Integrations
APPROVED

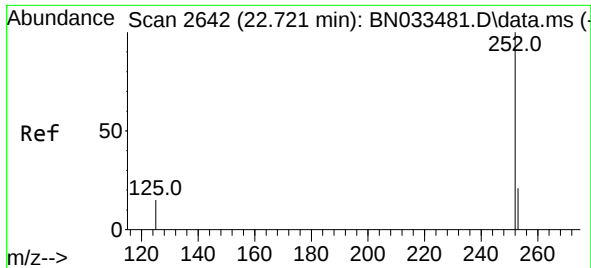
Reviewed By : Yogesh Patel 08/22/2024
Supervised By : mohammad ahmed 08/22/2024



#37
Benzo(b)fluoranthene
Concen: 7.950 ng
RT: 22.668 min Scan# 2624
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

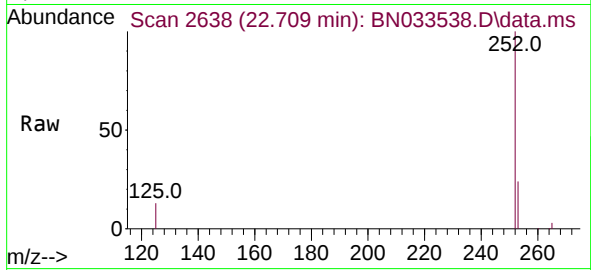
Tgt Ion: 252 Resp: 621827
Ion Ratio Lower Upper
252 100
253 22.7 19.8 29.8
125 12.7 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 3.042 ng m
RT: 22.709 min Scan# 2638
Delta R.T. -0.012 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

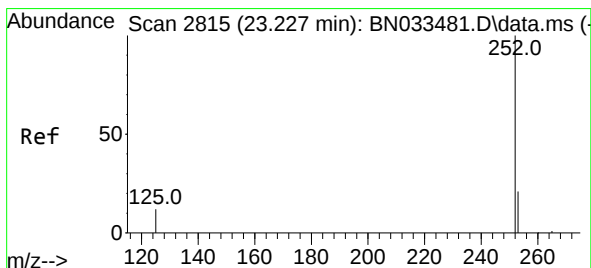
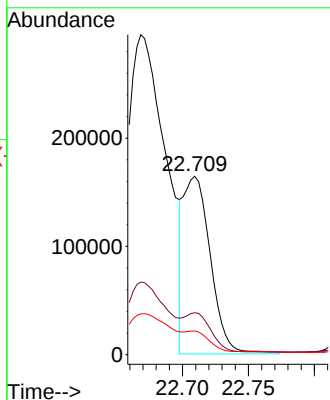
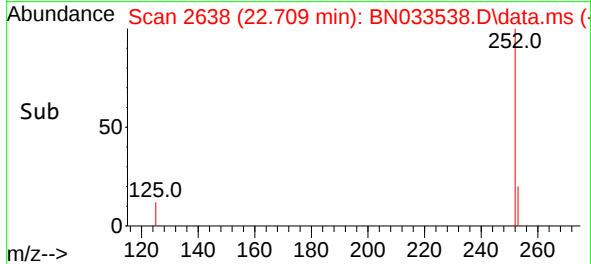
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD



Tgt Ion:252 Resp: 234160
Ion Ratio Lower Upper
252 100
253 23.5 19.8 29.8
125 13.3 15.8 23.8

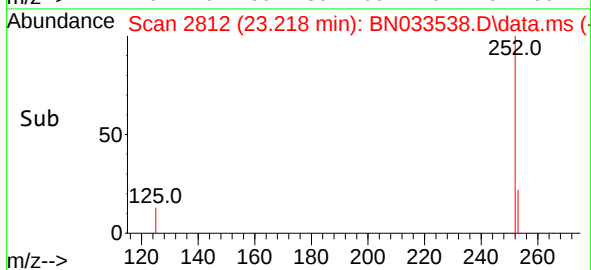
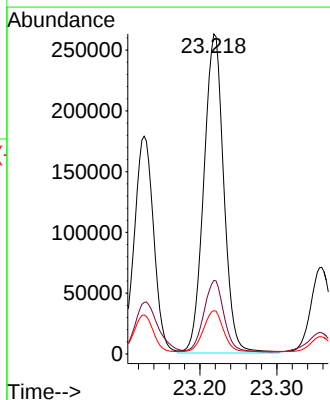
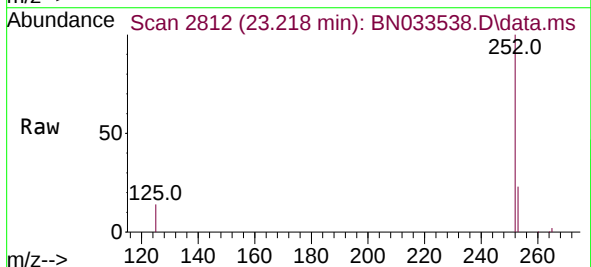
Manual Integrations
APPROVED

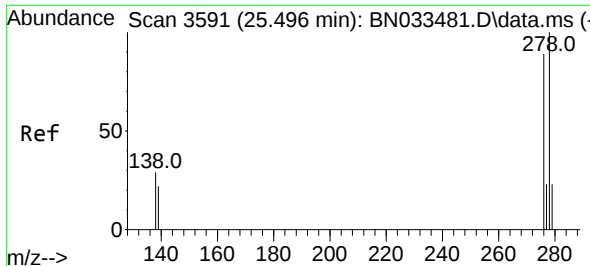
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#39
Benzo(a)pyrene
Concen: 7.298 ng m
RT: 23.218 min Scan# 2812
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

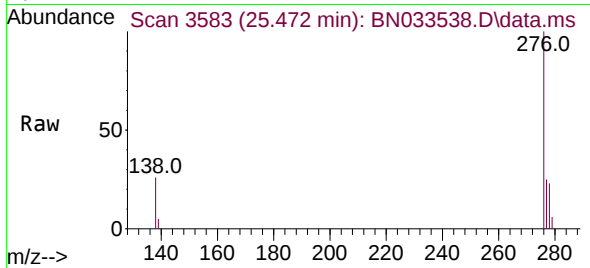
Tgt Ion:252 Resp: 472284
Ion Ratio Lower Upper
252 100
253 23.0 21.5 32.3
125 13.6 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.990 ng
RT: 25.472 min Scan# 31
Delta R.T. -0.023 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

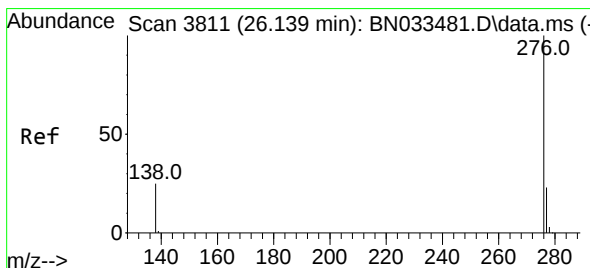
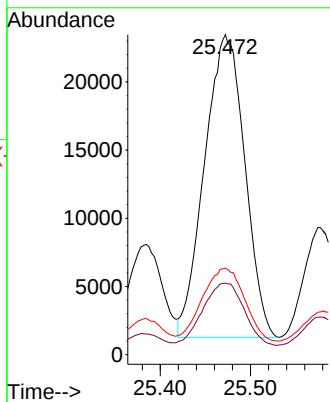
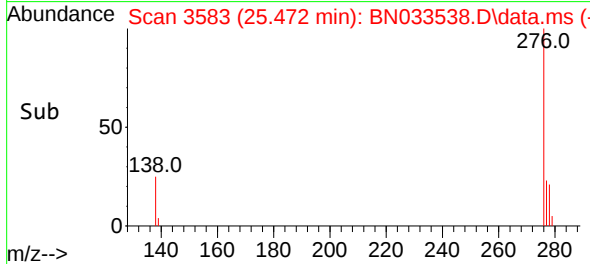
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FD



Tgt Ion:278 Resp: 68839
Ion Ratio Lower Upper
278 100
139 22.4 19.1 28.7
279 27.0 21.0 31.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 3.998 ng
RT: 26.118 min Scan# 3804
Delta R.T. -0.021 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion:276 Resp: 297289
Ion Ratio Lower Upper
276 100
277 23.9 19.7 29.5
138 26.6 21.8 32.6

