

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033534.D
 Acq On : 21 Aug 2024 09:27
 Operator : MA/JU
 Sample : P3643-11
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

08/21/2024
 Supervised By :mohammad
 ahmed

Quant Time: Aug 21 09:52:42 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	8631	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	22375	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	10411	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	20637	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	17009	0.400	ng	0.00
35) Perylene-d12	23.309	264	17540	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	6186	0.226	ng	0.00
5) Phenol-d6	6.736	99	6395	0.196	ng	0.00
8) Nitrobenzene-d5	8.681	82	3934	0.212	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	6641	0.207	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	903	0.161	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	9544	0.224	ng	-0.01
27) Fluoranthene-d10	18.975	212	10268	0.207	ng	0.00
31) Terphenyl-d14	19.588	244	6760	0.175	ng	0.00
Target Compounds						
17) Acenaphthene	14.242	154	3943	0.123	ng	98
18) Fluorene	15.236	166	4484	0.111	ng	96
25) Phenanthrene	16.979	178	73864	1.287	ng	100
26) Anthracene	17.066	178	15938	0.314	ng	# 96
28) Fluoranthene	19.003	202	163259	2.573	ng	100
30) Pyrene	19.370	202	139854	1.842	ng	# 94
32) Benzo(a)anthracene	21.121	228	73388	1.193	ng	97
33) Chrysene	21.175	228	73867	1.208	ng	98
34) Bis(2-ethylhexyl)phtha...	21.085	149	3309m	0.085	ng	
36) Indeno(1,2,3-cd)pyrene	25.460	276	50365	0.692	ng	95
37) Benzo(b)fluoranthene	22.668	252	104090	1.589	ng	96
38) Benzo(k)fluoranthene	22.703	252	38163m	0.592	ng	
39) Benzo(a)pyrene	23.215	252	70475m	1.300	ng	
40) Dibenzo(a,h)anthracene	25.466	278	11214	0.193	ng	# 91
41) Benzo(g,h,i)perylene	26.112	276	51527	0.828	ng	99

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

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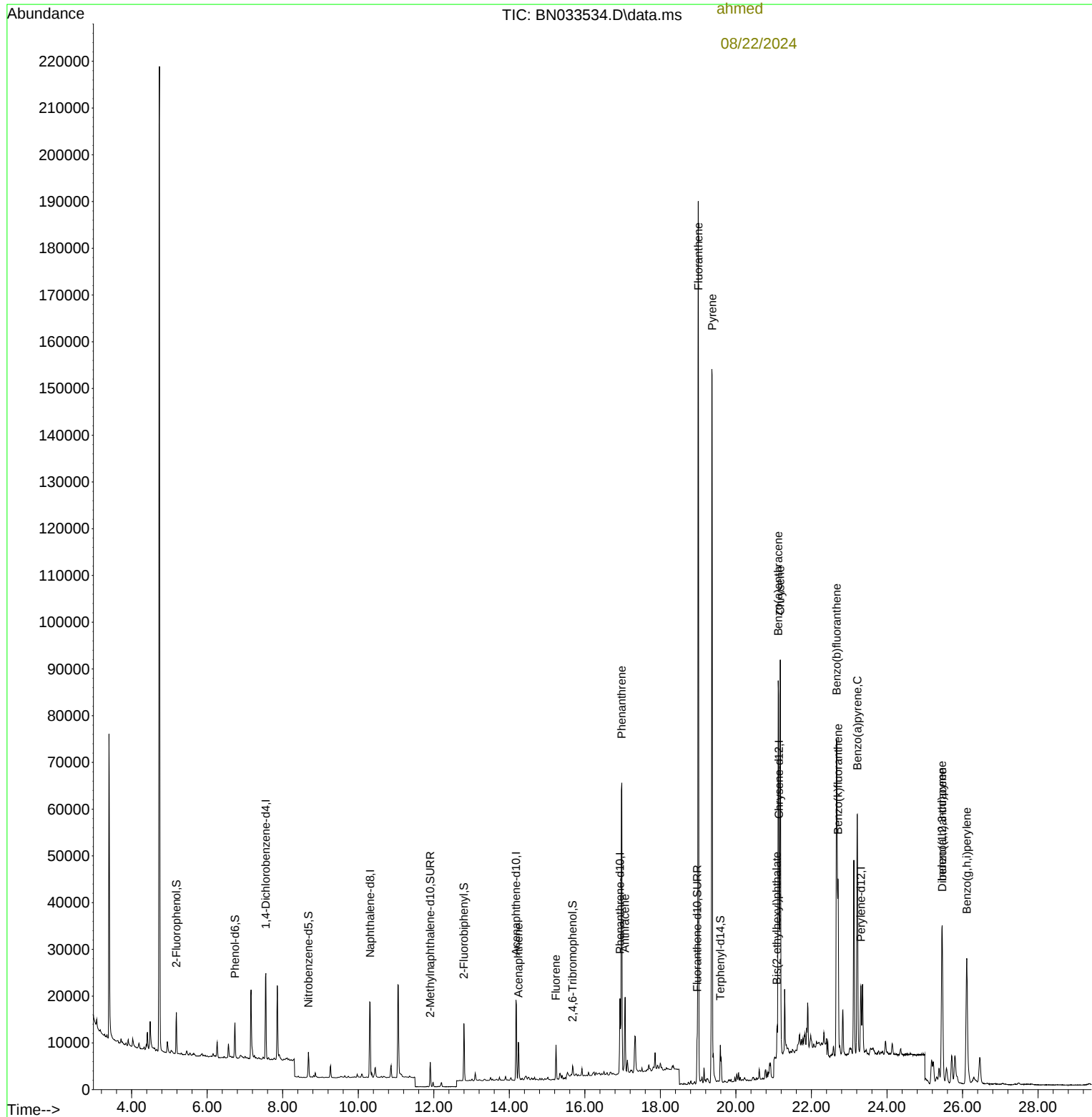
Quant Time: Aug 21 09:52:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
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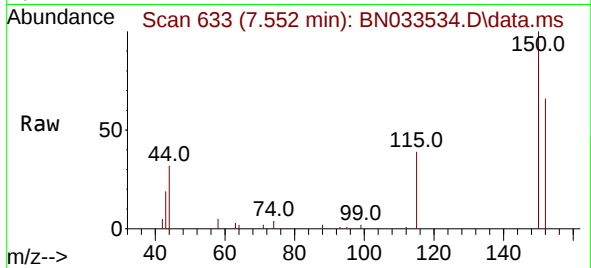
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



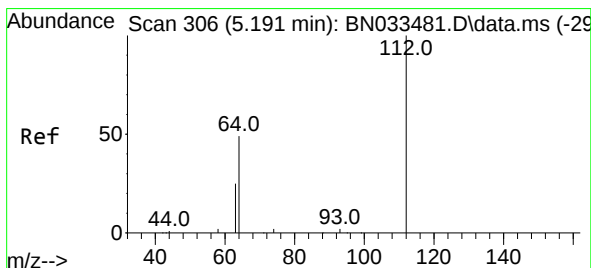
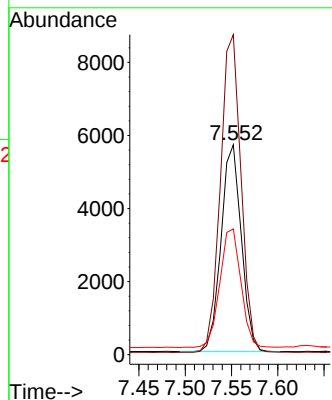
Tgt Ion:152 Resp: 863
Ion Ratio Lower Upper
152 100
150 152.4 122.2 183.2
115 59.9 47.2 70.8

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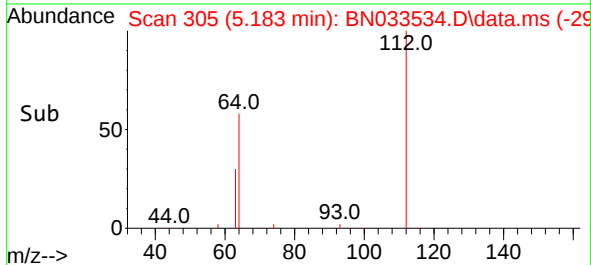
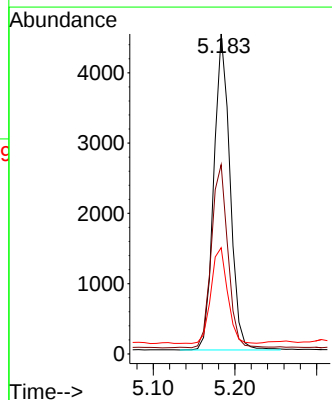
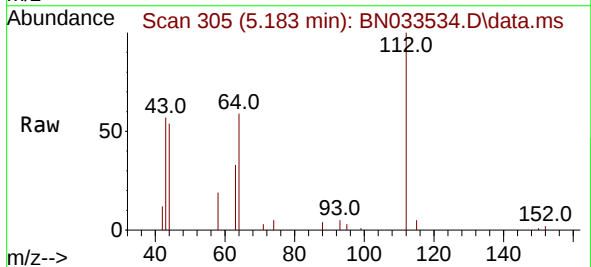
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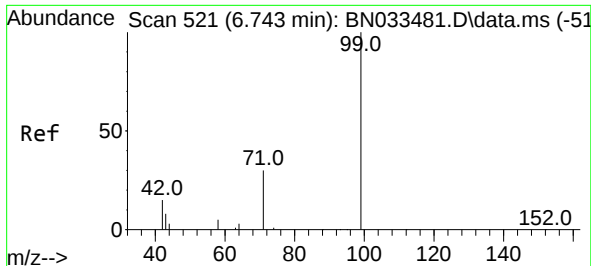
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#4
2-Fluorophenol
Concen: 0.226 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

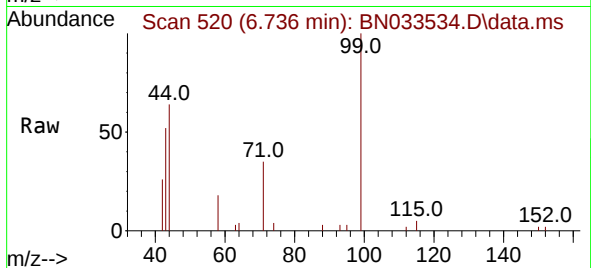
Tgt Ion:112 Resp: 6186
Ion Ratio Lower Upper
112 100
64 59.3 47.1 70.7
63 30.8 24.9 37.3





#5
Phenol-d6
Concen: 0.196 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



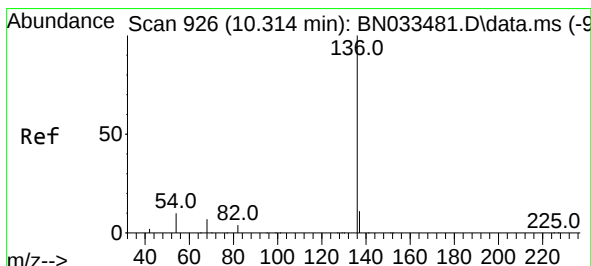
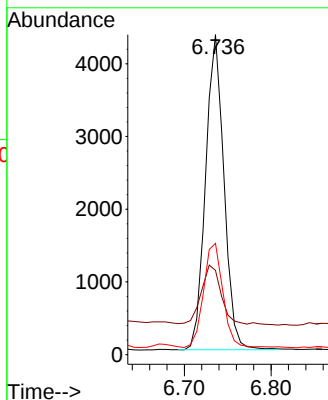
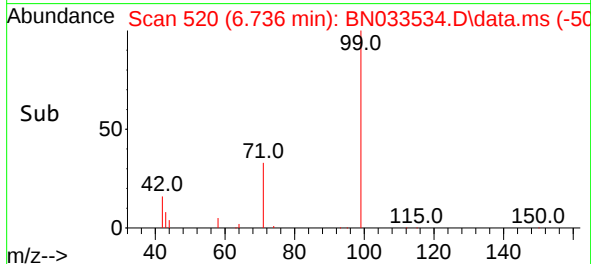
Tgt Ion: 99 Resp: 639
Ion Ratio Lower Upper
99 100
42 19.8 16.6 24.8
71 34.8 26.2 39.4

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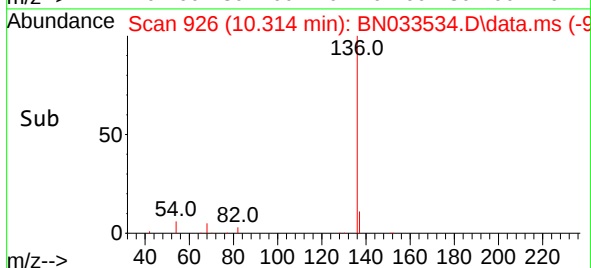
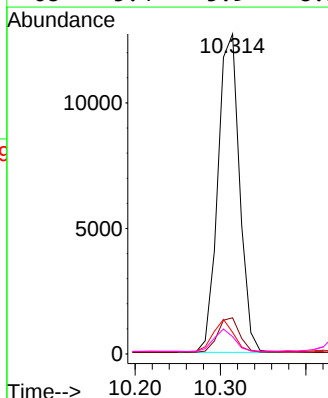
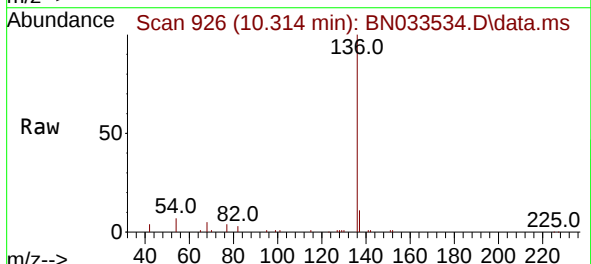
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. -0.000 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

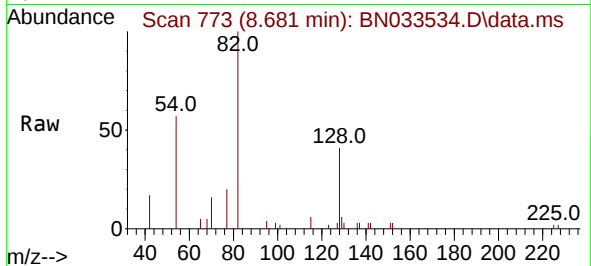
Tgt Ion:136 Resp: 22375
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 6.7 8.3 12.5#
68 5.4 5.9 8.9#





#8
Nitrobenzene-d5
Concen: 0.212 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



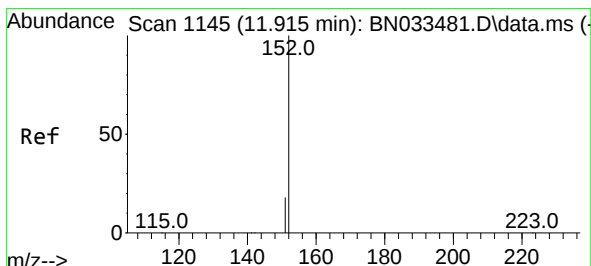
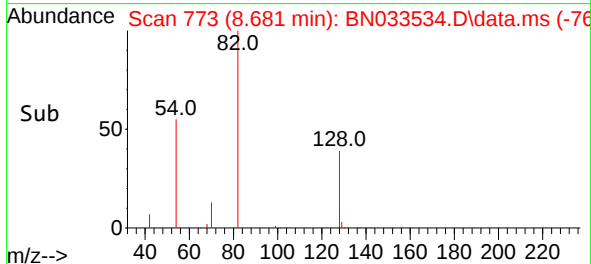
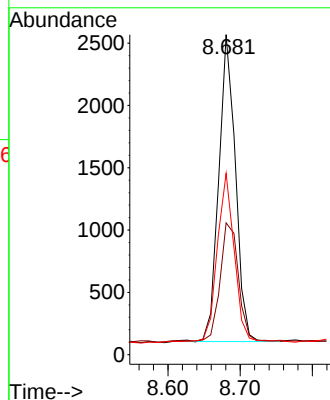
Tgt Ion: 82 Resp: 3934
Ion Ratio Lower Upper
82 100
128 41.2 36.0 54.0
54 56.7 42.0 63.0

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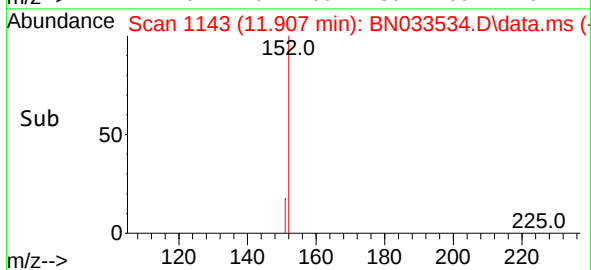
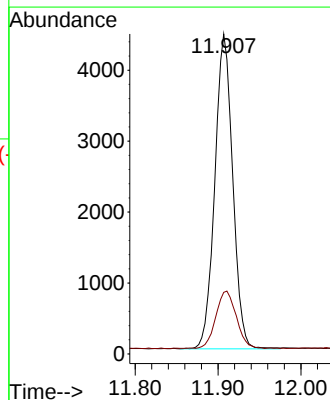
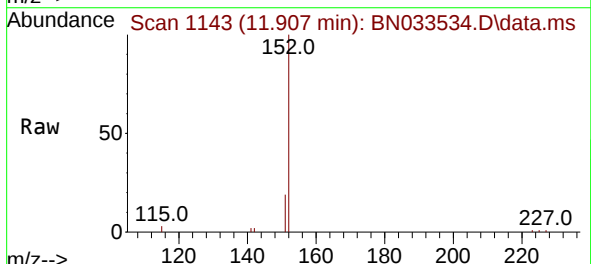
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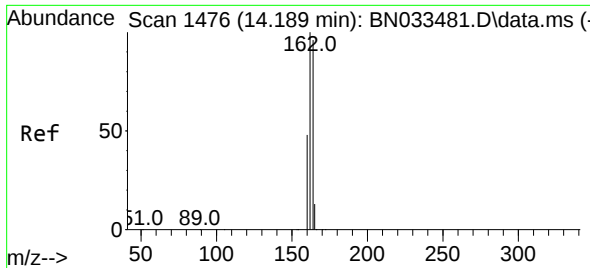
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#11
2-Methylnaphthalene-d10
Concen: 0.207 ng
RT: 11.907 min Scan# 1143
Delta R.T. -0.008 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

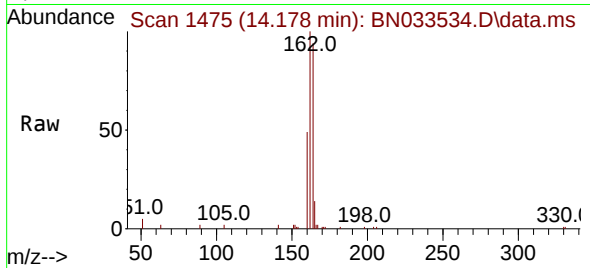
Tgt Ion:152 Resp: 6641
Ion Ratio Lower Upper
152 100
151 20.9 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033534.D
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921-J-SD-0-0.5-081524



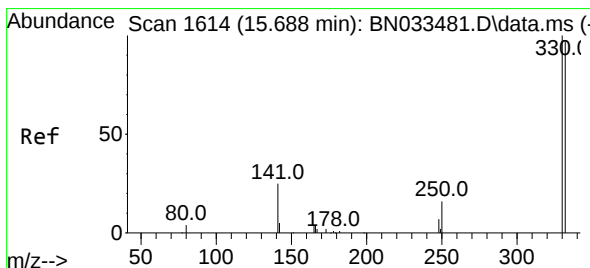
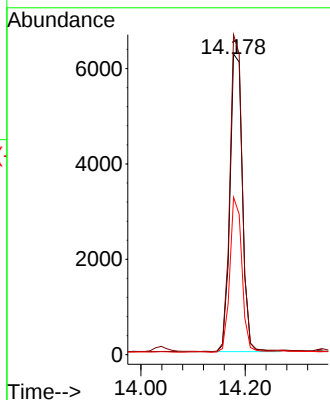
Tgt Ion:164 Resp: 1041
Ion Ratio Lower Upper
164 100
162 106.4 83.5 125.3
160 52.3 40.2 60.4

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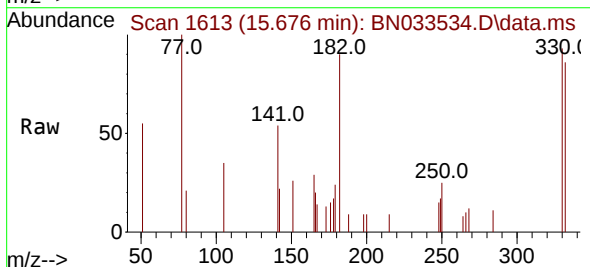
Reviewed By :Jagrut
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Supervised By :mohammad
ahmed

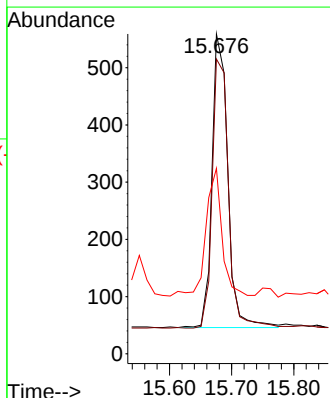
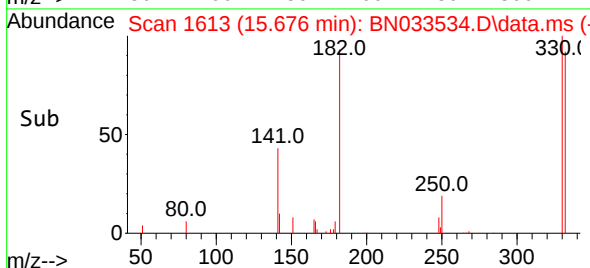
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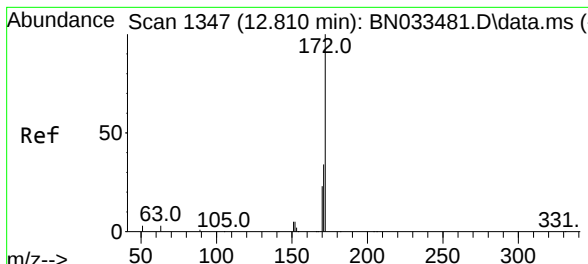


#14
2,4,6-Tribromophenol
Concen: 0.161 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.013 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27



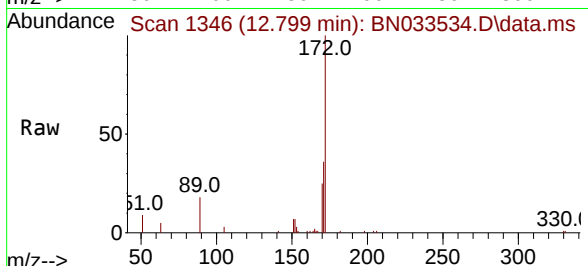
Tgt Ion:330 Resp: 903
Ion Ratio Lower Upper
330 100
332 95.0 77.5 116.3
141 44.5 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.224 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



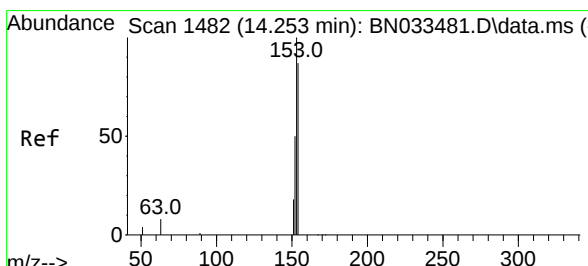
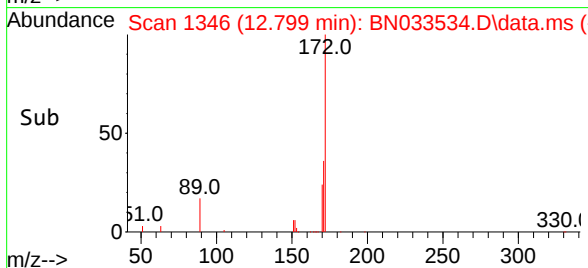
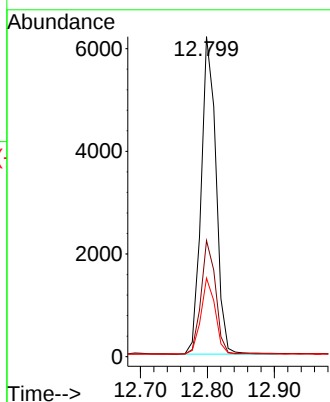
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	27.7	41.5
170	24.6	18.3	27.5

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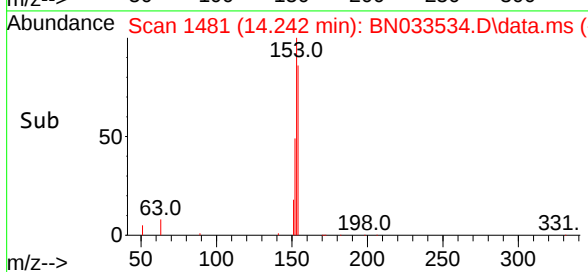
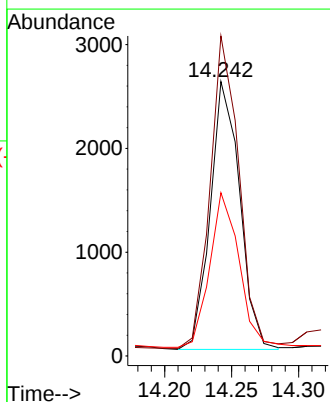
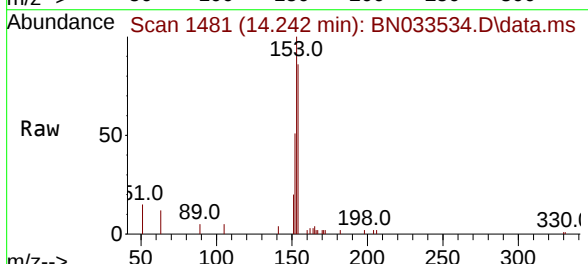
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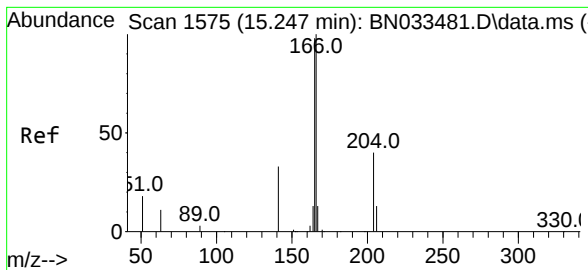
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#17
Acenaphthene
Concen: 0.123 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

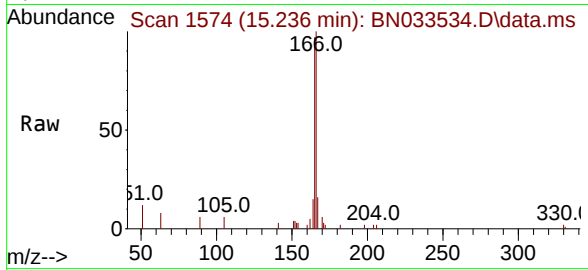
Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.0	133.6
152	57.9	45.2	67.8





#18
Fluorene
Concen: 0.111 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

Instrument :
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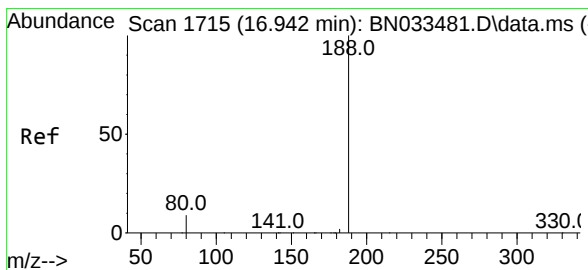
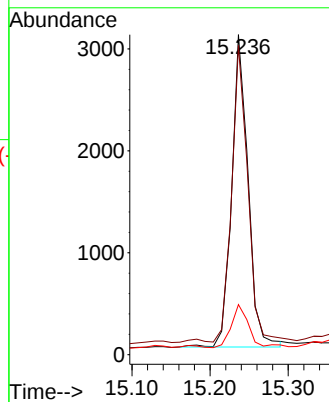
Tgt Ion:166 Resp: 4484
Ion Ratio Lower Upper
166 100
165 93.4 78.2 117.4
167 14.8 10.6 16.0

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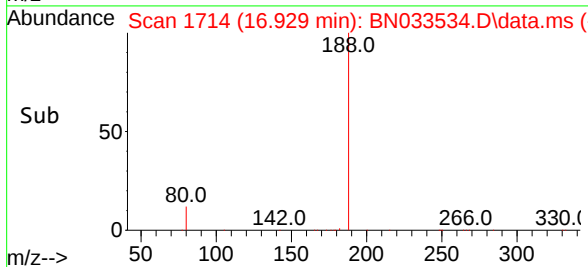
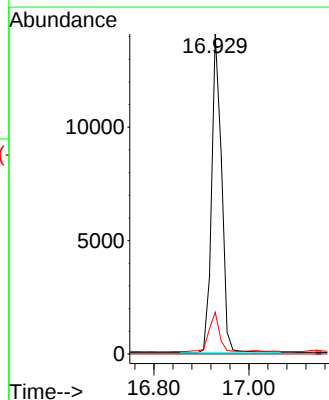
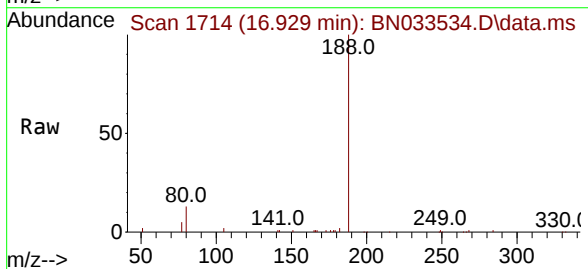
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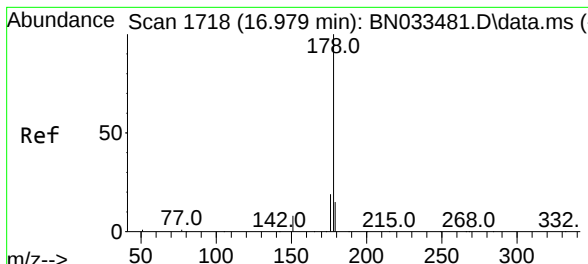
08/22/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.013 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

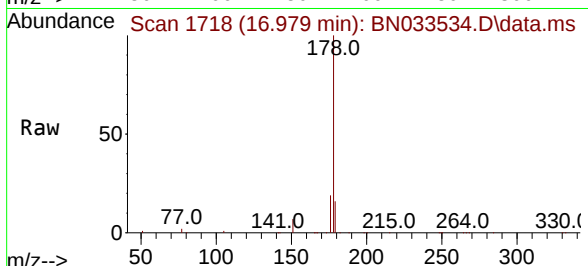
Tgt Ion:188 Resp: 20637
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 7.8 11.8





#25
 Phenanthrene
 Concen: 1.287 ng
 RT: 16.979 min Scan# 1718
 Delta R.T. -0.000 min
 Lab File: BN033534.D
 Acq: 21 Aug 2024 09:27

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



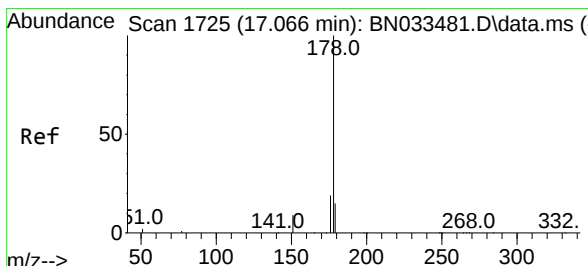
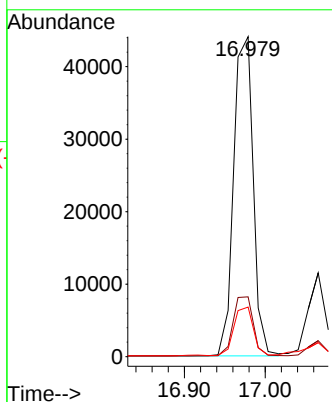
Tgt Ion:178 Resp: 73864
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.3 12.3 18.5

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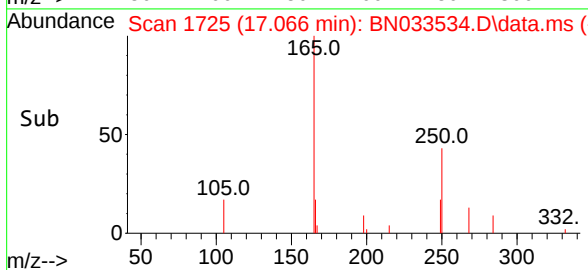
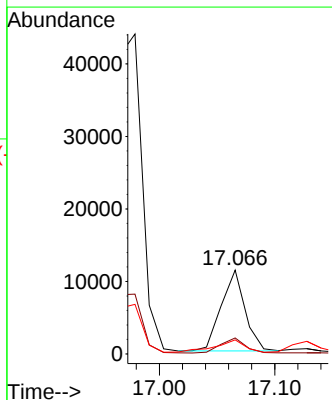
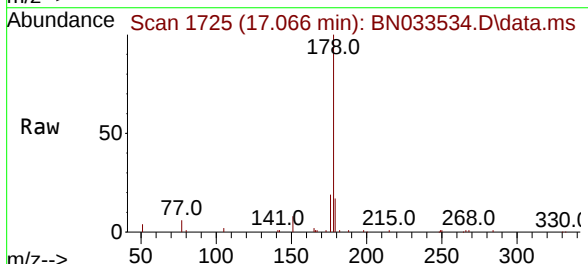
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 ahmed

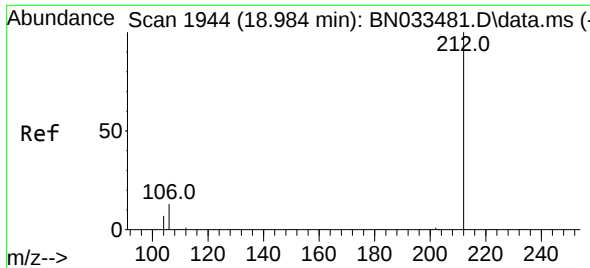
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#26
 Anthracene
 Concen: 0.314 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033534.D
 Acq: 21 Aug 2024 09:27

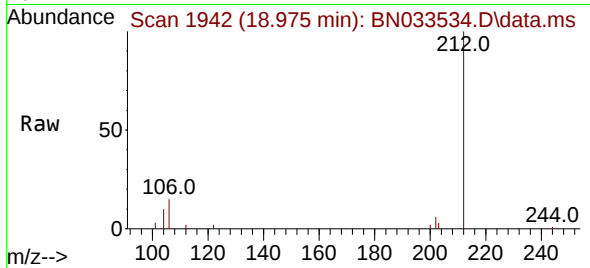
Tgt Ion:178 Resp: 15938
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.0 22.6
 179 18.7 12.4 18.6#





#27
Fluoranthene-d10
Concen: 0.207 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.009 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



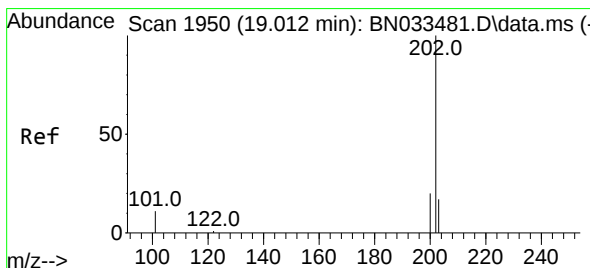
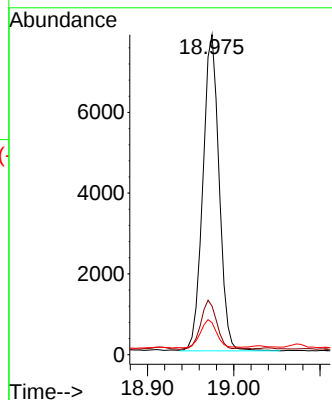
Tgt Ion:212 Resp: 10268
Ion Ratio Lower Upper
212 100
106 15.3 12.3 18.5
104 8.9 7.0 10.4

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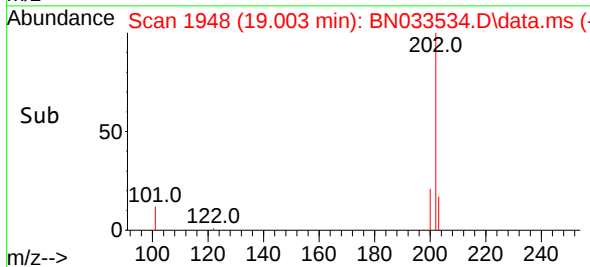
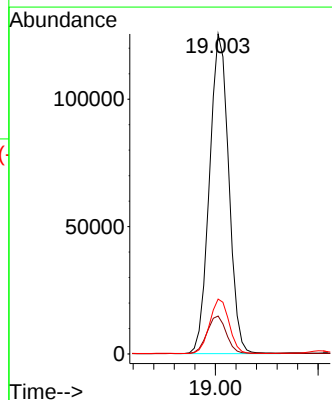
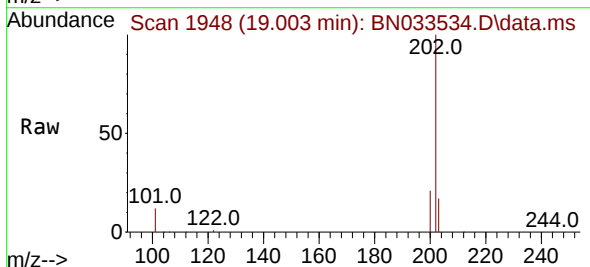
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ahmed

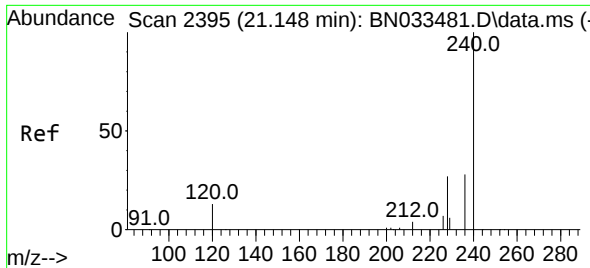
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#28
Fluoranthene
Concen: 2.573 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

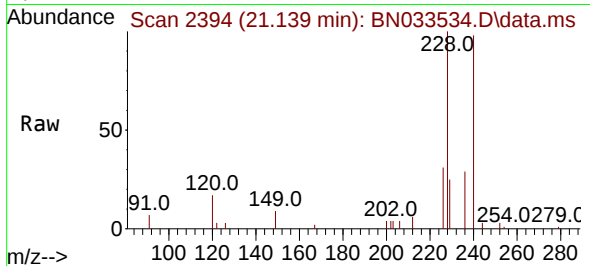
Tgt Ion:202 Resp: 163259
Ion Ratio Lower Upper
202 100
101 12.0 9.5 14.3
203 17.2 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



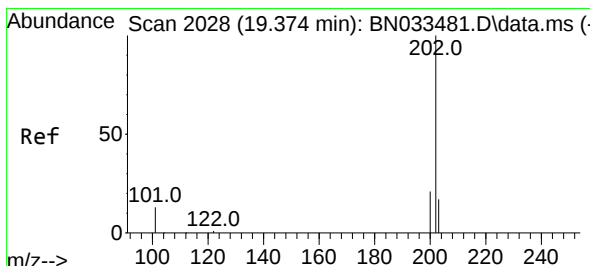
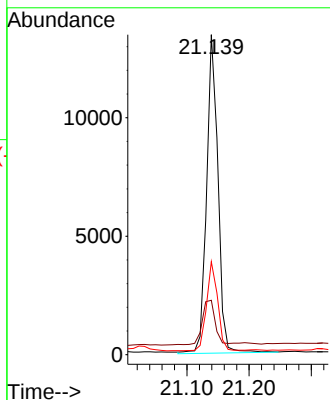
Tgt Ion:240 Resp: 17009
Ion Ratio Lower Upper
240 100
120 17.0 12.4 18.6
236 29.1 23.0 34.6

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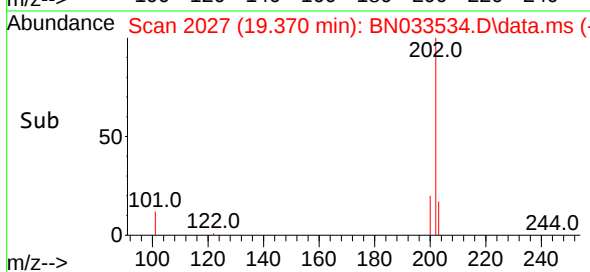
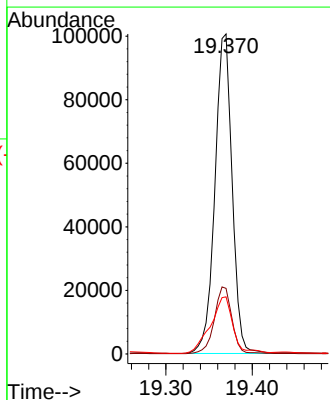
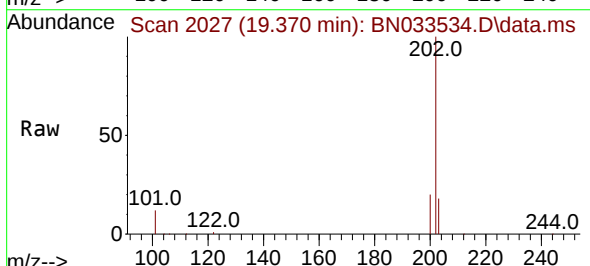
08/21/2024
Supervised By :mohammad
ahmed

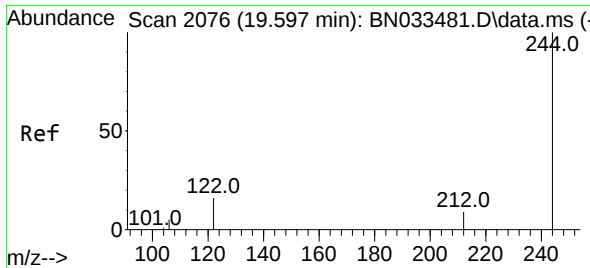
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#30
Pyrene
Concen: 1.842 ng
RT: 19.370 min Scan# 2027
Delta R.T. -0.005 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

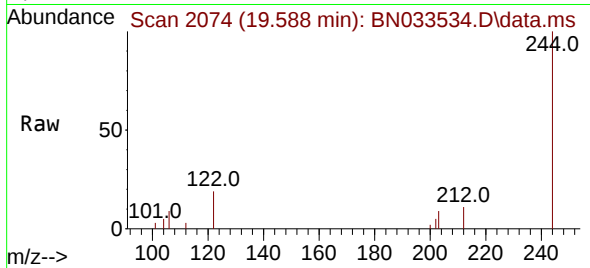
Tgt Ion:202 Resp: 139854
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 23.0 14.2 21.4





#31
Terphenyl-d14
Concen: 0.175 ng
RT: 19.588 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



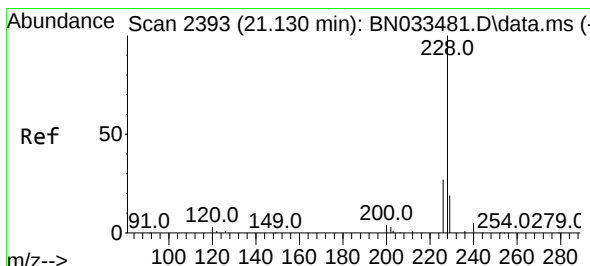
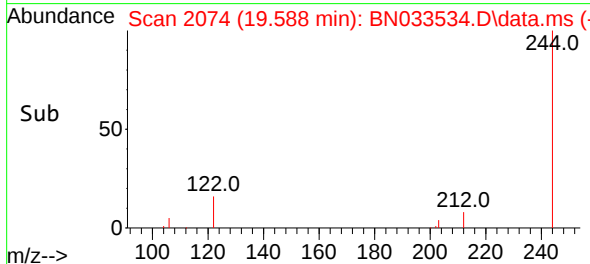
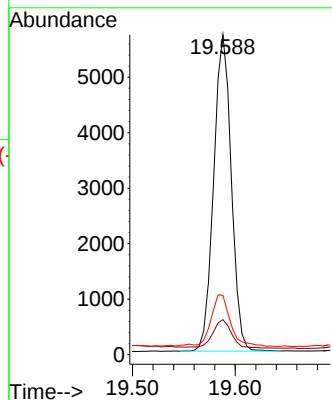
Tgt Ion:244 Resp: 6760
Ion Ratio Lower Upper
244 100
212 10.9 7.8 11.6
122 18.6 13.3 19.9

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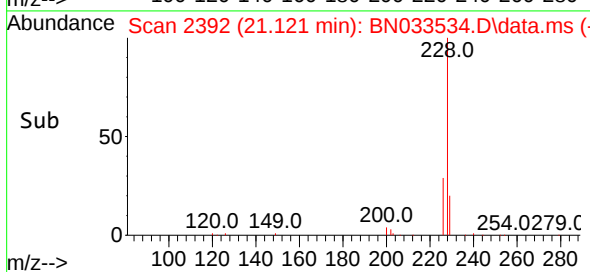
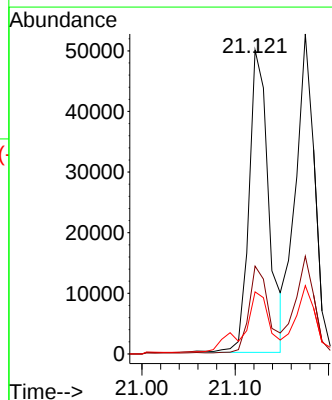
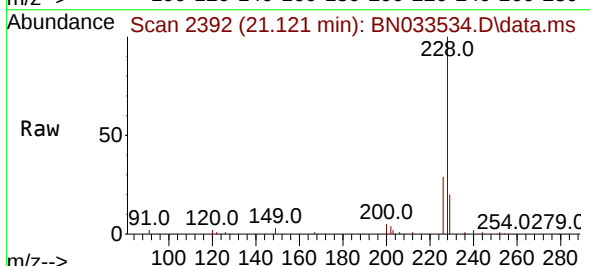
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Supervised By :mohammad
ahmed

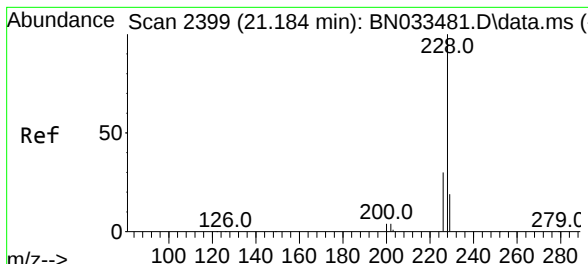
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#32
Benzo(a)anthracene
Concen: 1.193 ng
RT: 21.121 min Scan# 2392
Delta R.T. -0.009 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

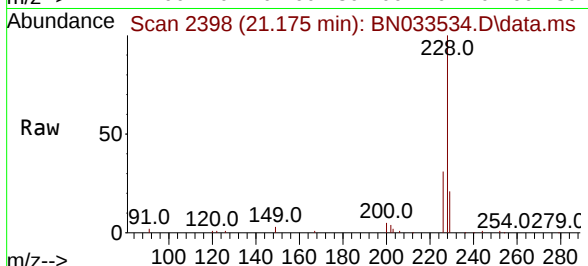
Tgt Ion:228 Resp: 73388
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.6
229 20.4 15.8 23.6





#33
 Chrysene
 Concen: 1.208 ng
 RT: 21.175 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN033534.D
 Acq: 21 Aug 2024 09:27

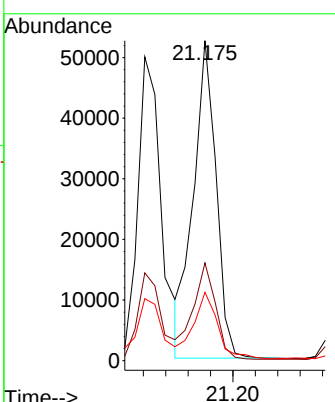
Instrument : BNA_N
 ClientSampleId : 921-J-SD-0-0.5-081524



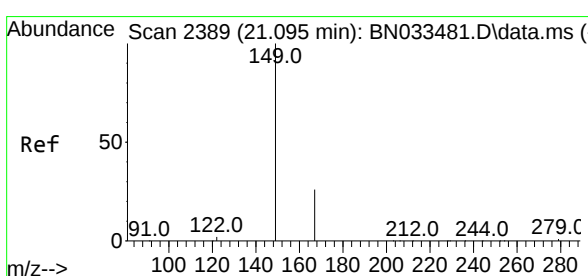
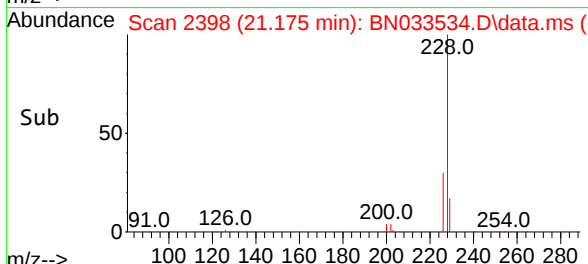
Tgt Ion: 228 Resp: 7386

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.8
229	21.4	15.6	23.4

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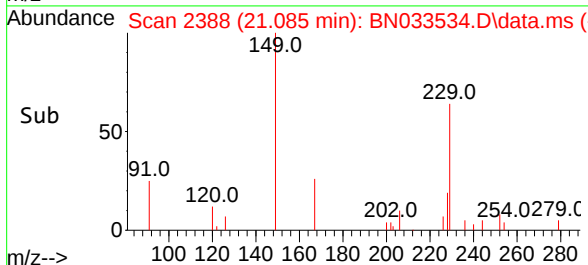
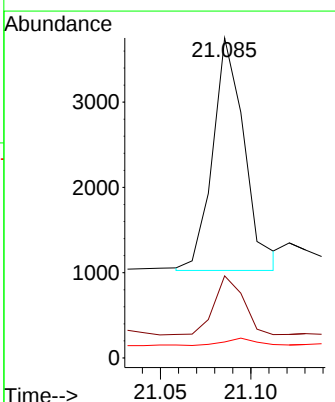
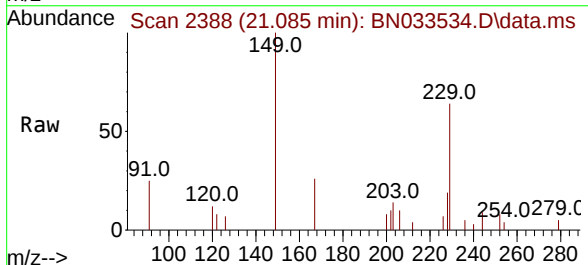
Supervised By : mohammad ahmed
 08/22/2024

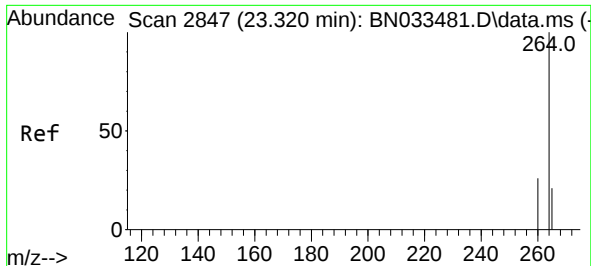


#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.085 ng m
 RT: 21.085 min Scan# 2388
 Delta R.T. -0.009 min
 Lab File: BN033534.D
 Acq: 21 Aug 2024 09:27

Tgt Ion: 149 Resp: 3309

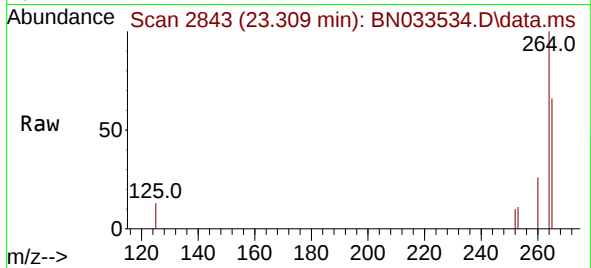
Ion	Ratio	Lower	Upper
149	100		
167	30.7	21.5	32.3
279	35.1	2.2	3.2





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.309 min Scan# 2843
 Delta R.T. -0.012 min
 Lab File: BN033534.D
 Acq: 21 Aug 2024 09:27

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



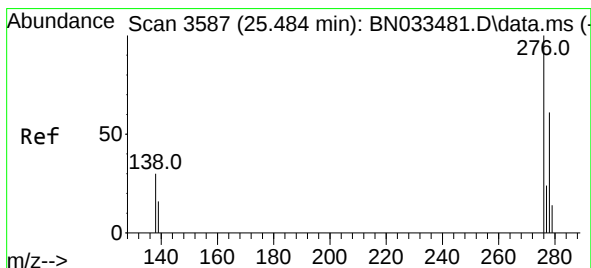
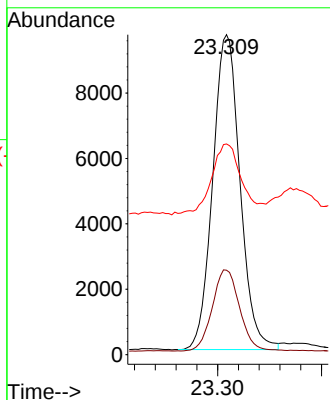
Tgt Ion:264 Resp: 17540
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.8 31.2
 265 65.8 52.2 78.2

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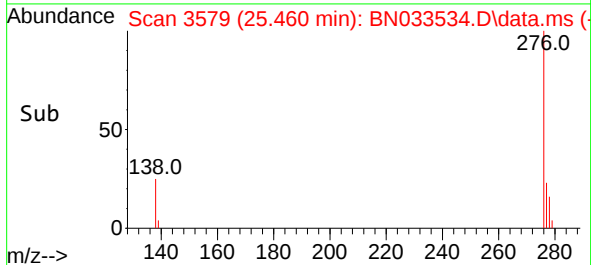
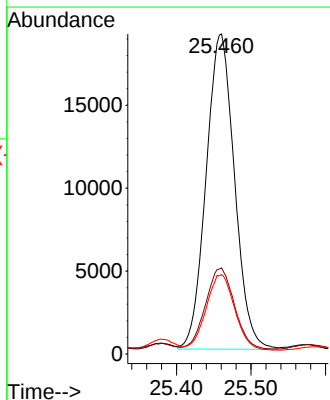
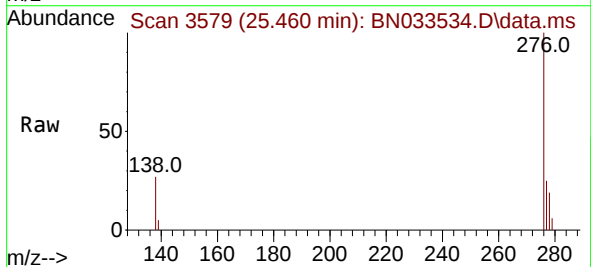
08/21/2024
 Supervised By :mohammad
 ahmed

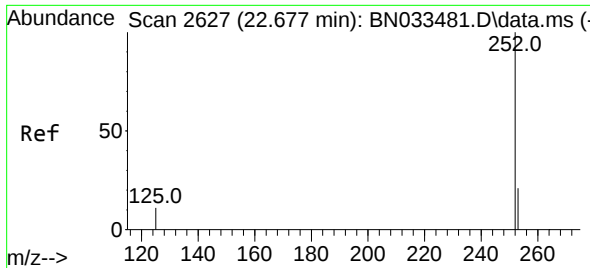
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#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.692 ng
 RT: 25.460 min Scan# 3579
 Delta R.T. -0.024 min
 Lab File: BN033534.D
 Acq: 21 Aug 2024 09:27

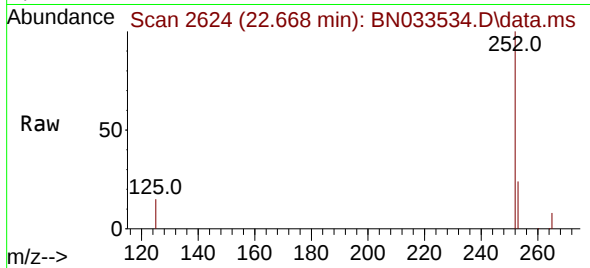
Tgt Ion:276 Resp: 50365
 Ion Ratio Lower Upper
 276 100
 138 25.8 24.4 36.6
 277 24.1 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 1.589 ng
RT: 22.668 min Scan# 2624
Delta R.T. -0.009 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



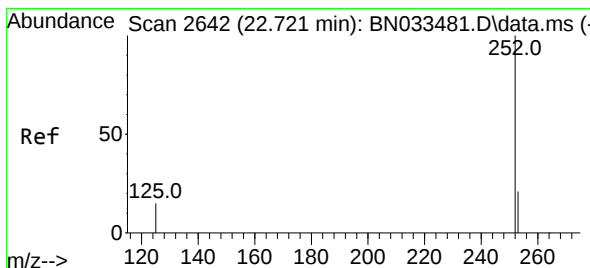
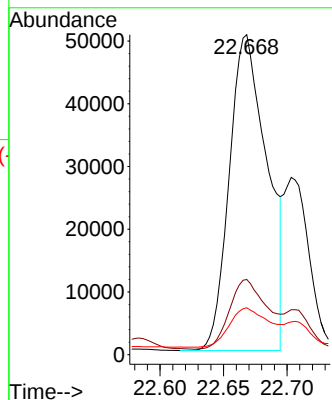
Tgt Ion:252 Resp: 104090
Ion Ratio Lower Upper
252 100
253 23.5 19.8 29.8
125 14.7 13.9 20.9

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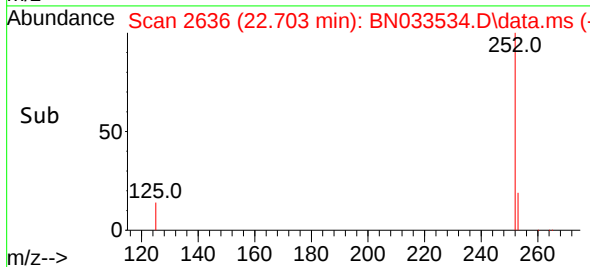
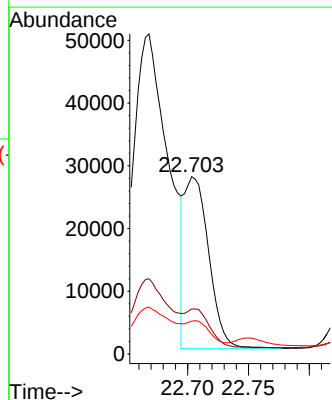
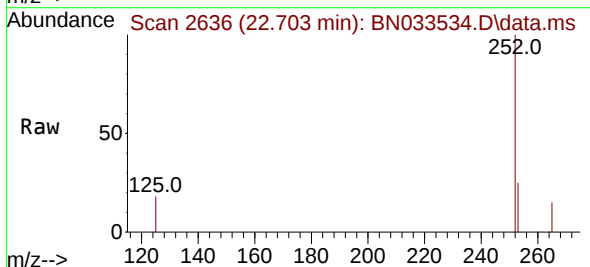
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ahmed

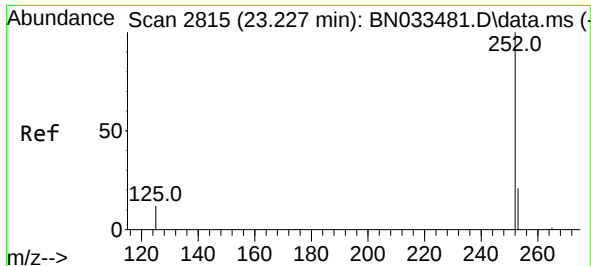
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#38
Benzo(k)fluoranthene
Concen: 0.592 ng m
RT: 22.703 min Scan# 2636
Delta R.T. -0.018 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

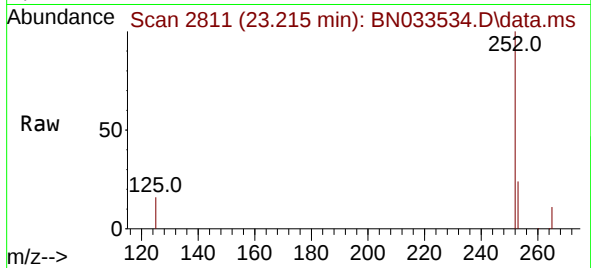
Tgt Ion:252 Resp: 38163
Ion Ratio Lower Upper
252 100
253 25.4 19.8 29.8
125 18.5 15.8 23.8





#39
Benzo(a)pyrene
Concen: 1.300 ng m
RT: 23.215 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

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



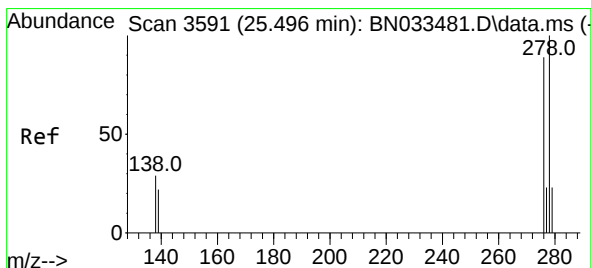
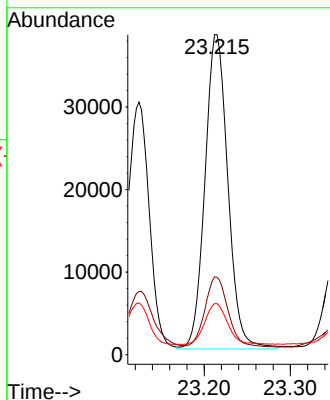
Tgt Ion:252 Resp: 70475
Ion Ratio Lower Upper
252 100
253 24.2 21.5 32.3
125 15.9 17.0 25.4

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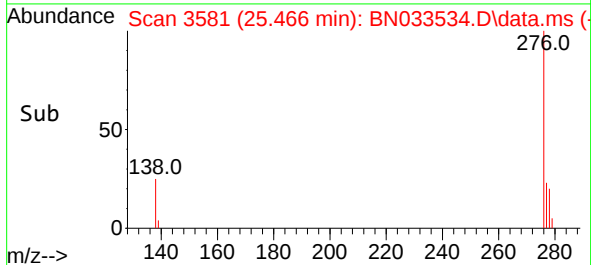
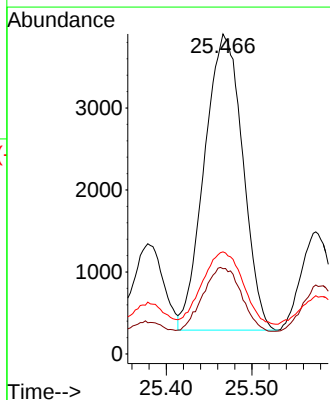
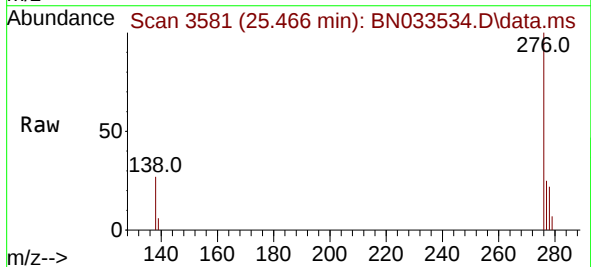
08/21/2024
Supervised By :mohammad
ahmed

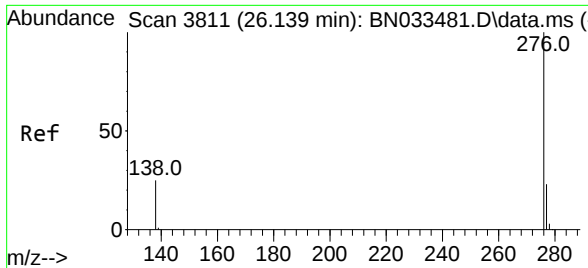
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#40
Dibenzo(a,h)anthracene
Concen: 0.193 ng
RT: 25.466 min Scan# 3581
Delta R.T. -0.029 min
Lab File: BN033534.D
Acq: 21 Aug 2024 09:27

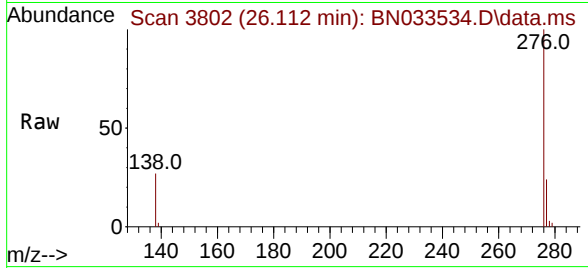
Tgt Ion:278 Resp: 11214
Ion Ratio Lower Upper
278 100
139 26.6 19.1 28.7
279 31.9 21.0 31.4





#41
 Benzo(g,h,i)perylene
 Concen: 0.828 ng
 RT: 26.112 min Scan# 3802
 Delta R.T. -0.026 min
 Lab File: BN033534.D
 Acq: 21 Aug 2024 09:27

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

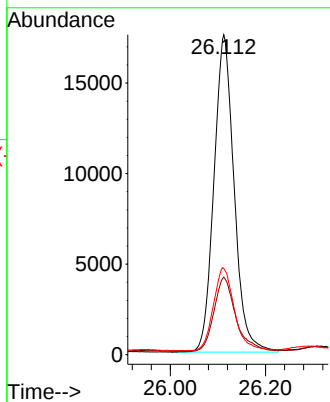
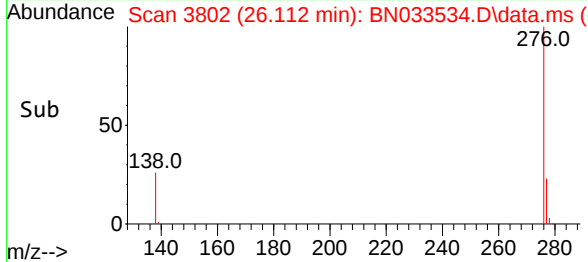


Tgt Ion: 276 Resp: 5152
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.7 29.5
 138 26.9 21.8 32.6

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