

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033556.D
 Acq On : 22 Aug 2024 17:07
 Operator : MA/JU
 Sample : P3643-07DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 17:46:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8021	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	20435	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9323	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	17605	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	15216	0.400	ng	0.00
35) Perylene-d12	23.309	264	16830	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	633	0.025	ng	0.00
5) Phenol-d6	6.736	99	784	0.026	ng	0.00
8) Nitrobenzene-d5	8.681	82	475	0.028	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	762	0.026	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	139	0.028	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	1033	0.027	ng	-0.01
27) Fluoranthene-d10	18.970	212	1007	0.024	ng	-0.01
31) Terphenyl-d14	19.588	244	745	0.022	ng	0.00
Target Compounds					Qvalue	
9) Naphthalene	10.357	128	2338	0.043	ng	# 91
12) 2-Methylnaphthalene	11.979	142	1081	0.031	ng	# 91
17) Acenaphthene	14.242	154	16946	0.589	ng	98
18) Fluorene	15.236	166	19093	0.527	ng	100
25) Phenanthrene	16.966	178	111530	2.277	ng	99
26) Anthracene	17.066	178	23450	0.541	ng	98
28) Fluoranthene	19.003	202	154843	2.861	ng	100
30) Pyrene	19.365	202	131887	1.942	ng	# 94
32) Benzo(a)anthracene	21.121	228	82113	1.493	ng	96
33) Chrysene	21.175	228	79588	1.455	ng	96
34) Bis(2-ethylhexyl)phtha...	21.085	149	3272m	0.094	ng	
36) Indeno(1,2,3-cd)pyrene	25.455	276	46667	0.668	ng	96
37) Benzo(b)fluoranthene	22.665	252	99117	1.577	ng	96
38) Benzo(k)fluoranthene	22.706	252	40117m	0.648	ng	
39) Benzo(a)pyrene	23.212	252	76617m	1.473	ng	
40) Dibenzo(a,h)anthracene	25.466	278	12347	0.221	ng	# 77
41) Benzo(g,h,i)perylene	26.112	276	49801	0.834	ng	99

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

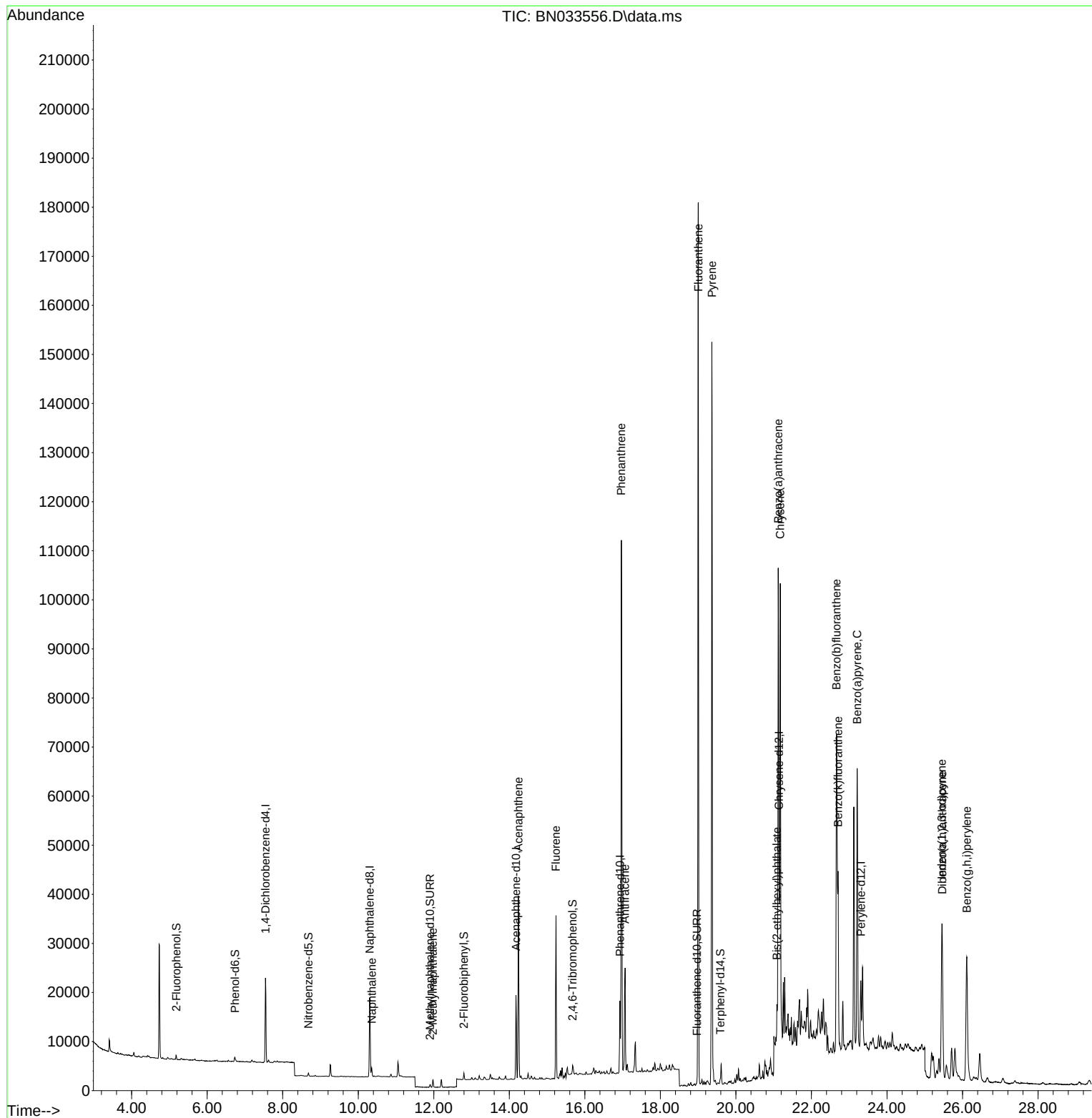
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033556.D
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ALS Vial : 14 Sample Multiplier: 1

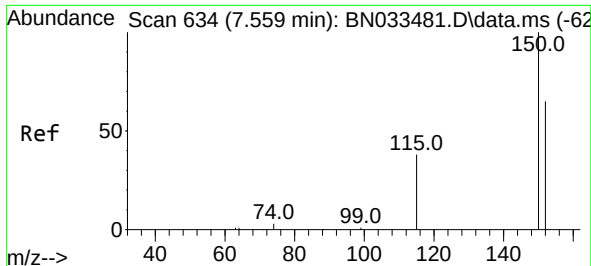
Instrument :
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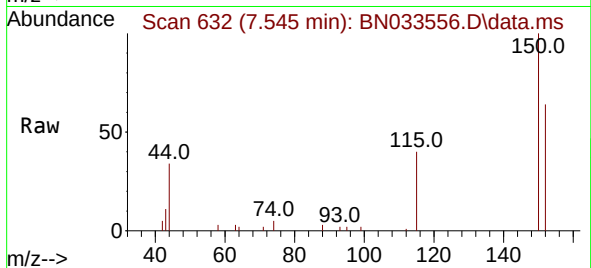
Quant Time: Aug 22 17:46:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

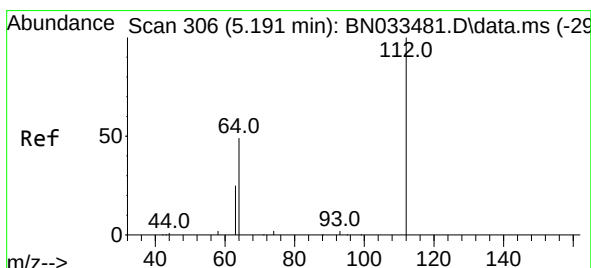
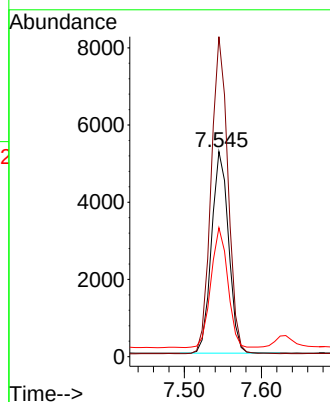
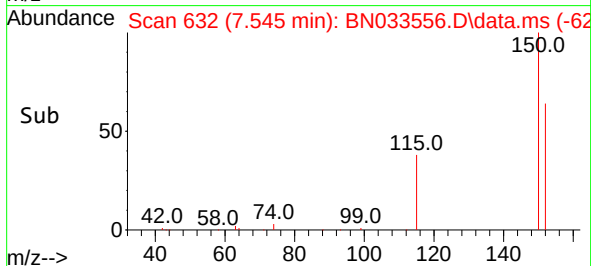
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL



Tgt Ion:152 Resp: 802
Ion Ratio Lower Upper
152 100
150 156.1 122.2 183.2
115 62.9 47.2 70.8

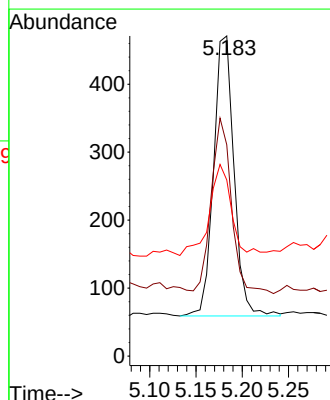
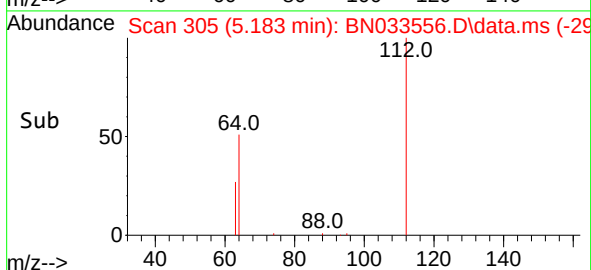
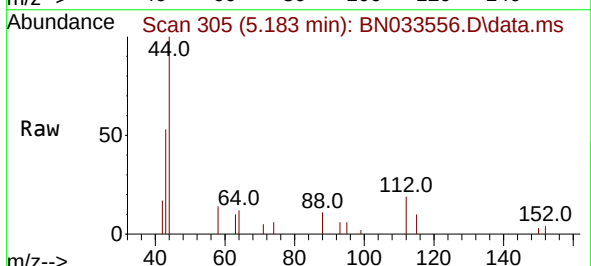
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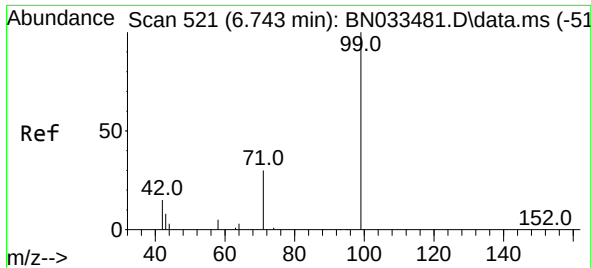
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.025 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

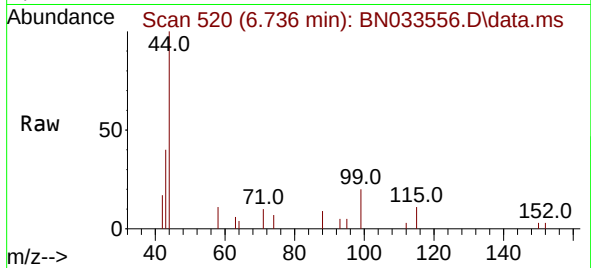
Tgt Ion:112 Resp: 633
Ion Ratio Lower Upper
112 100
64 61.8 47.1 70.7
63 35.1 24.9 37.3





#5
Phenol-d6
Concen: 0.026 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

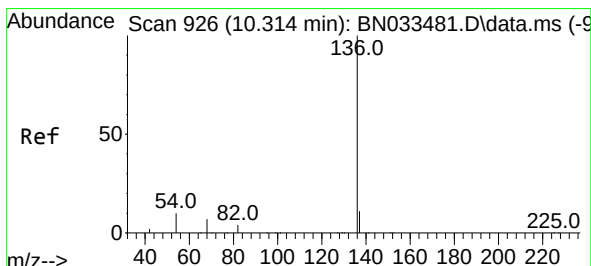
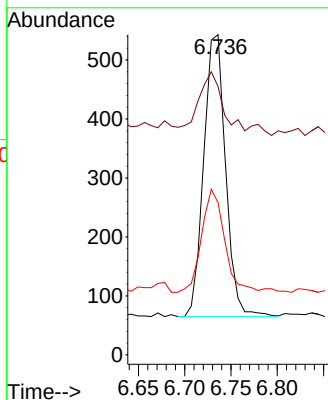
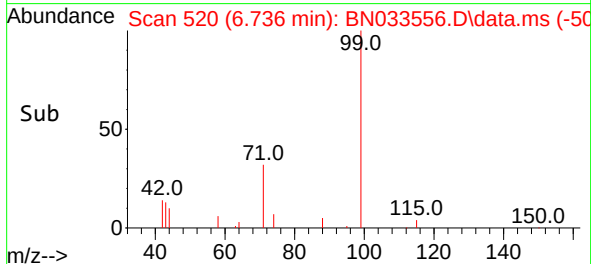
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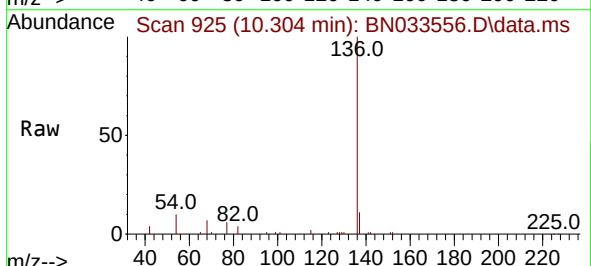
Tgt Ion: 99 Resp: 784
Ion Ratio Lower Upper
99 100
42 28.1 16.6 24.8
71 39.0 26.2 39.4

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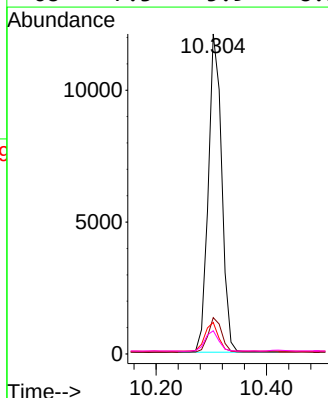
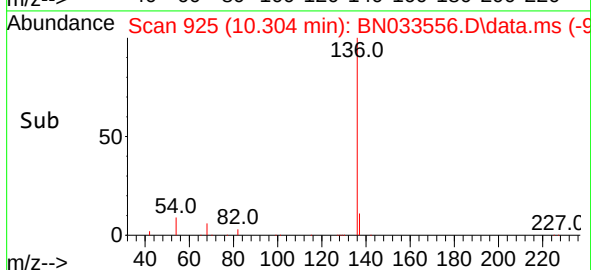
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

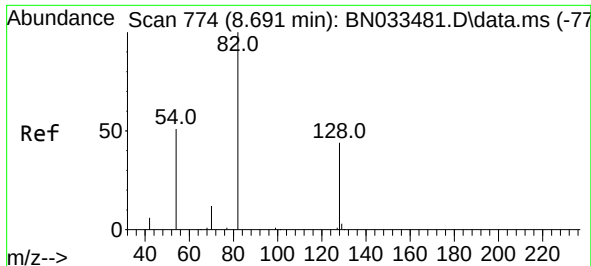


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07



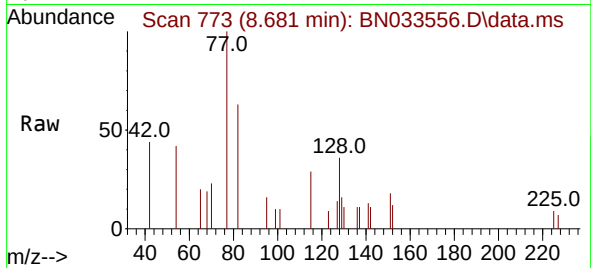
Tgt Ion:136 Resp: 20435
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.9 8.3 12.5
68 7.3 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.028 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

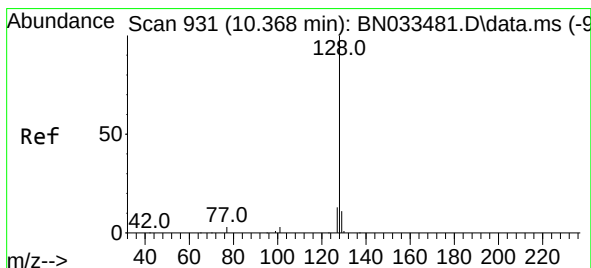
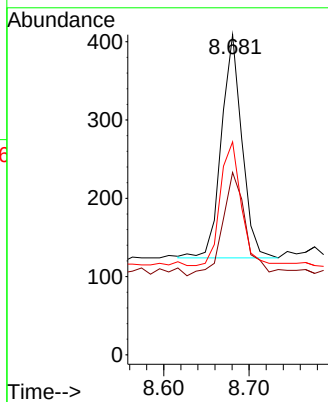
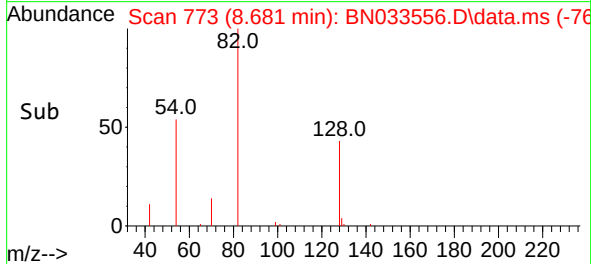
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL



Tgt Ion: 82 Resp: 475
Ion Ratio Lower Upper
82 100
128 57.0 36.0 54.0
54 66.5 42.0 63.0

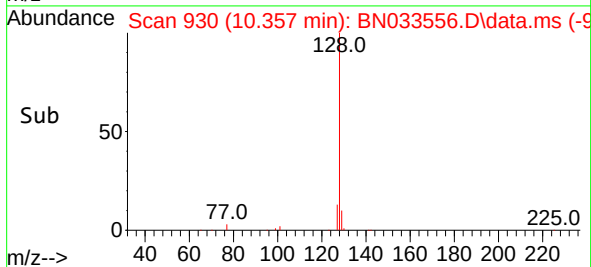
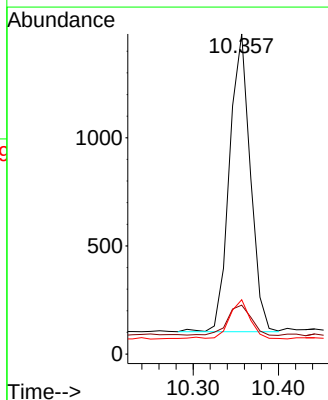
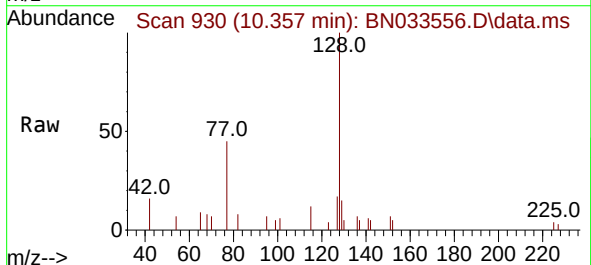
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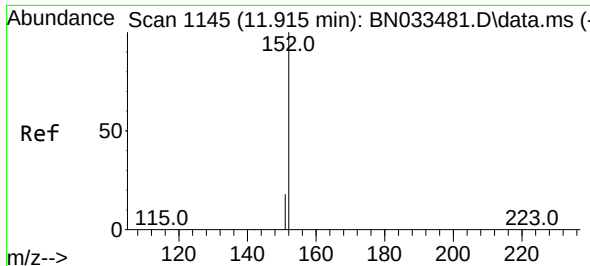
Reviewed By :Yogesh Patel 08/23/2024
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#9
Naphthalene
Concen: 0.043 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

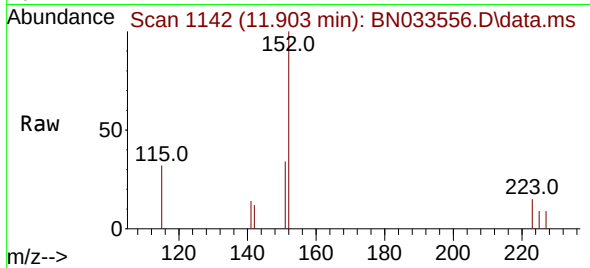
Tgt Ion:128 Resp: 2338
Ion Ratio Lower Upper
128 100
129 15.3 9.1 13.7#
127 17.0 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.026 ng
RT: 11.903 min Scan# 1145
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

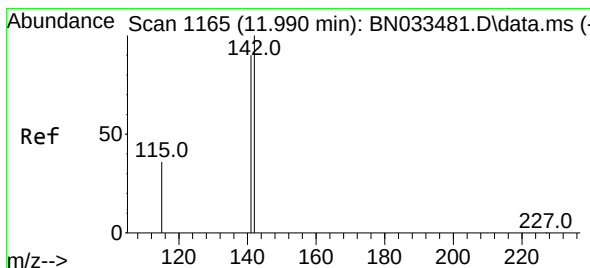
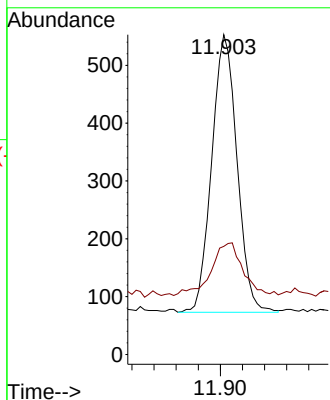
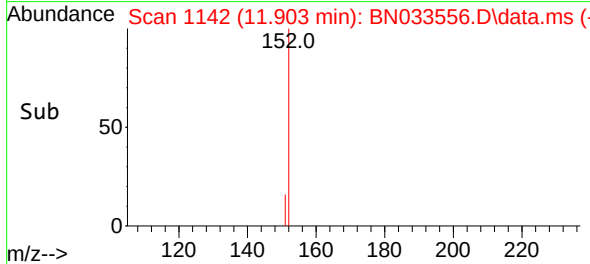
Instrument :
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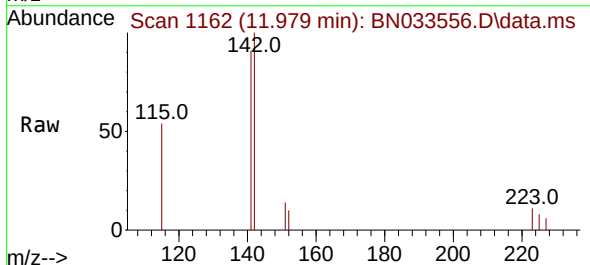
Tgt Ion:152 Resp: 762
Ion Ratio Lower Upper
152 100
151 24.5 16.6 25.0

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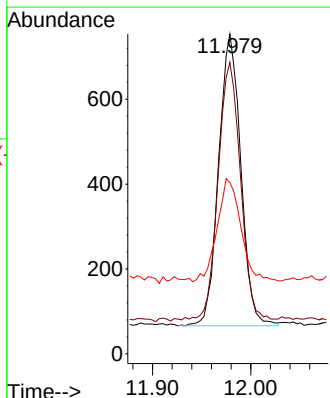
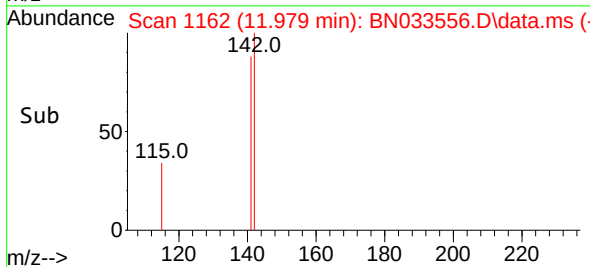
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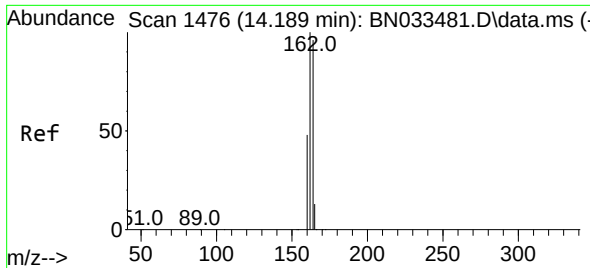


#12
2-Methylnaphthalene
Concen: 0.031 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07



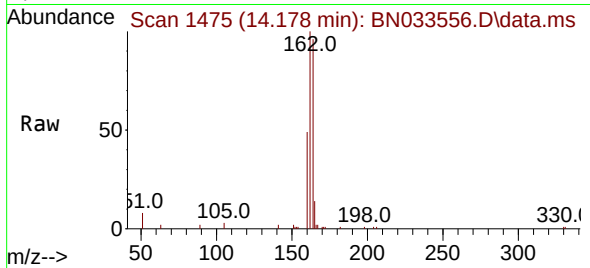
Tgt Ion:142 Resp: 1081
Ion Ratio Lower Upper
142 100
141 91.1 71.7 107.5
115 53.6 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

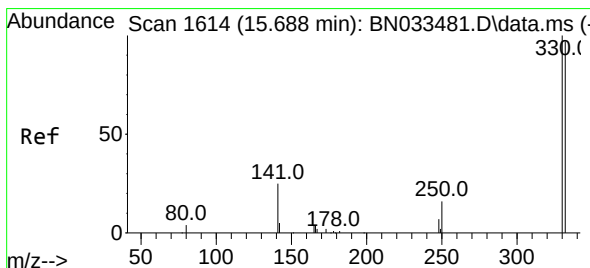
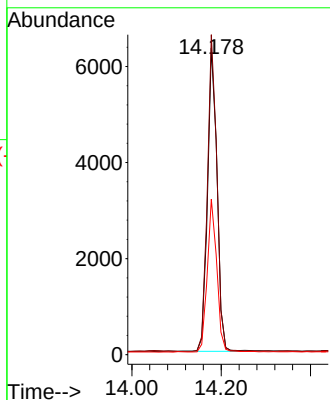
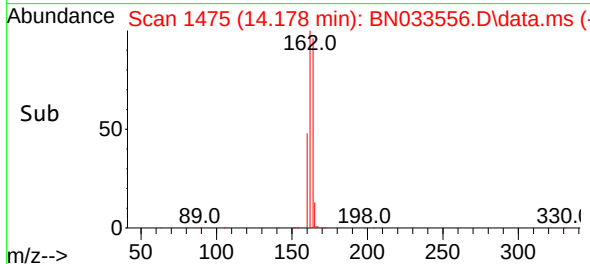
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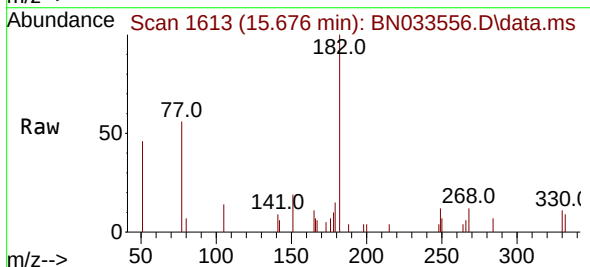
Tgt Ion:164 Resp: 932
Ion Ratio Lower Upper
164 100
162 104.4 83.5 125.3
160 50.7 40.2 60.4

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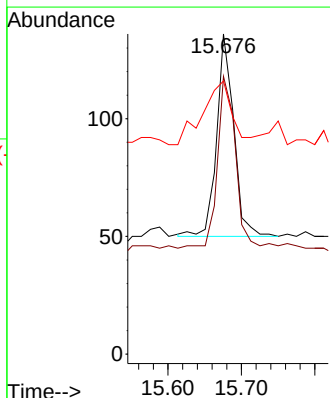
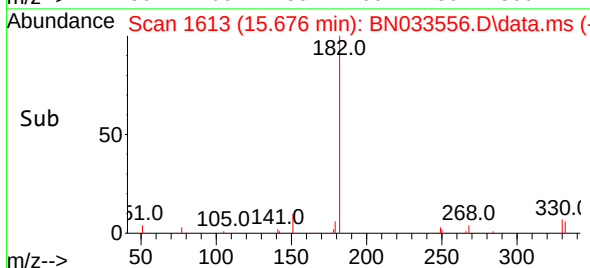
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

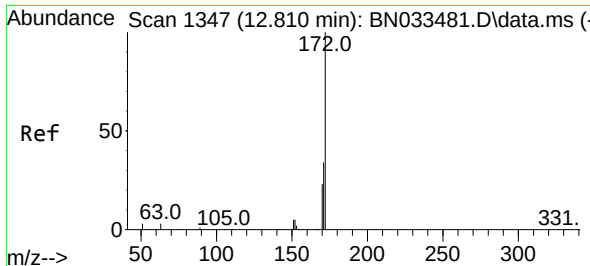


#14
2,4,6-Tribromophenol
Concen: 0.028 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.013 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07



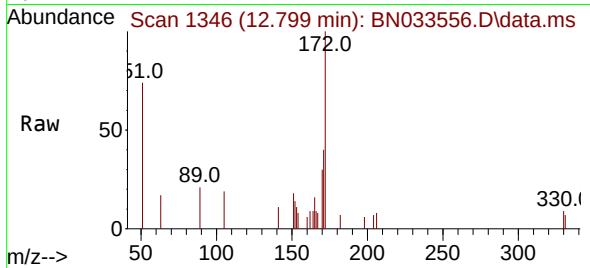
Tgt Ion:330 Resp: 139
Ion Ratio Lower Upper
330 100
332 91.4 77.5 116.3
141 53.2 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.027 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

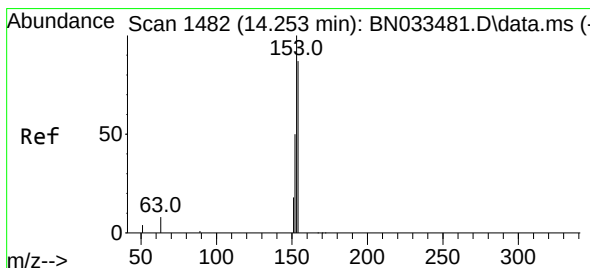
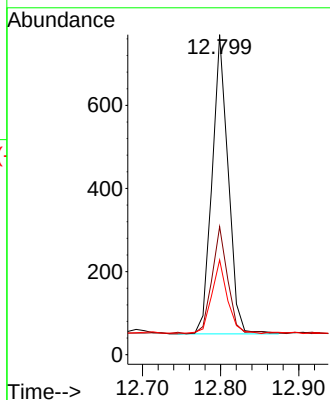
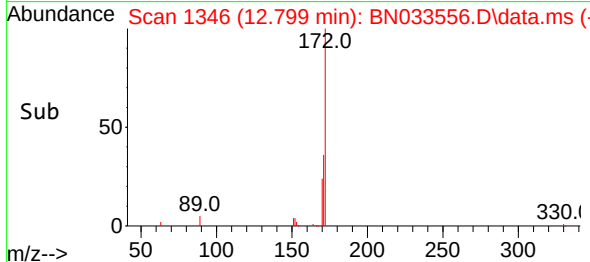
Instrument :
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918-J-SD-0-0.5-081524DL



Tgt Ion:172 Resp: 103
Ion Ratio Lower Upper
172 100
171 40.0 27.7 41.5
170 29.6 18.3 27.5

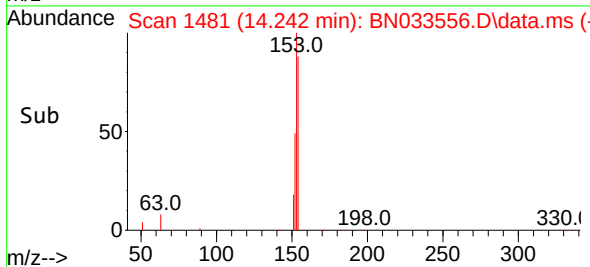
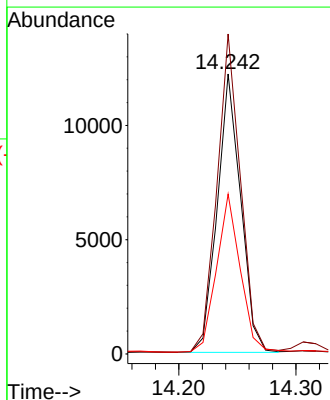
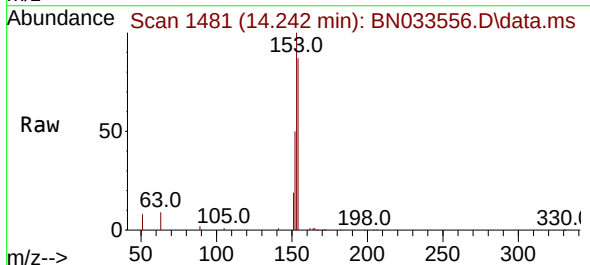
Manual Integrations
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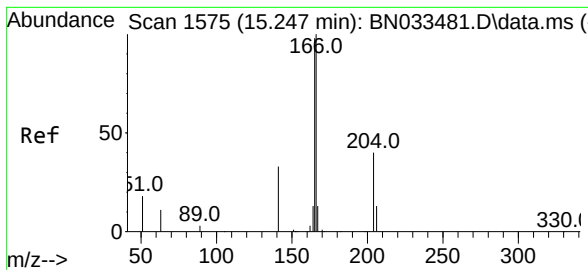
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#17
Acenaphthene
Concen: 0.589 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion:154 Resp: 16946
Ion Ratio Lower Upper
154 100
153 114.4 89.0 133.6
152 57.3 45.2 67.8





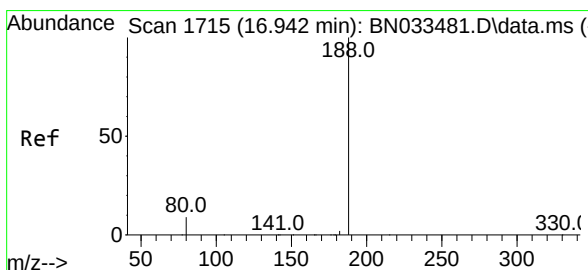
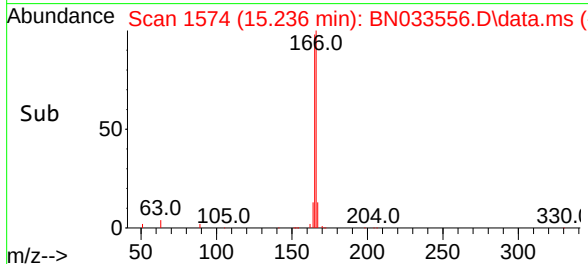
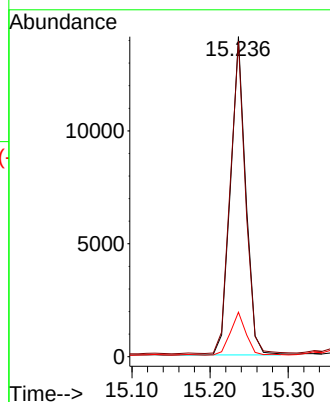
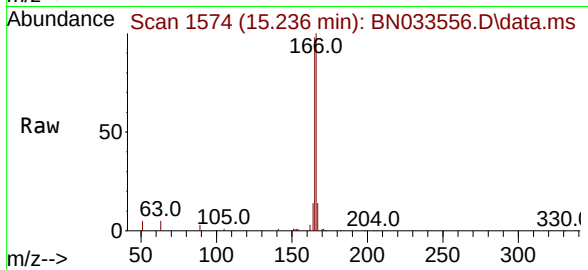
#18
 Fluorene
 Concen: 0.527 ng
 RT: 15.236 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524DL

Tgt Ion:166 Resp: 1909
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.2 117.4
 167 13.8 10.6 16.0

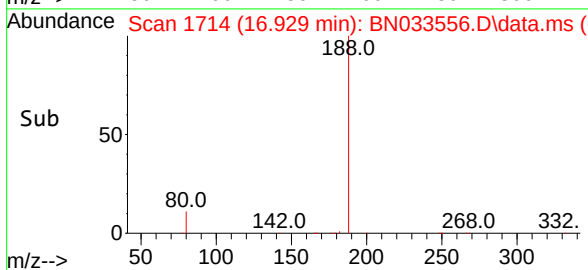
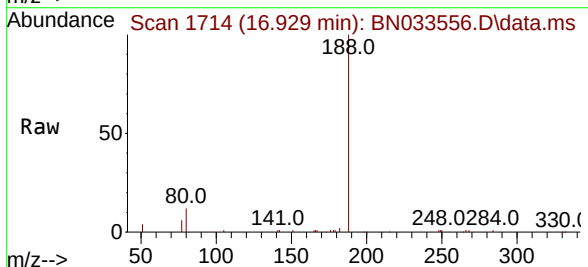
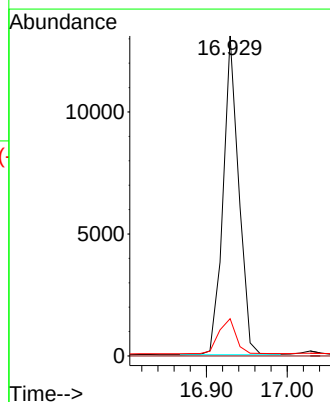
Manual Integrations
 APPROVED

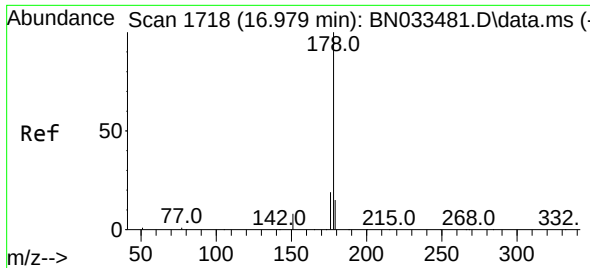
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.929 min Scan# 1714
 Delta R.T. -0.013 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

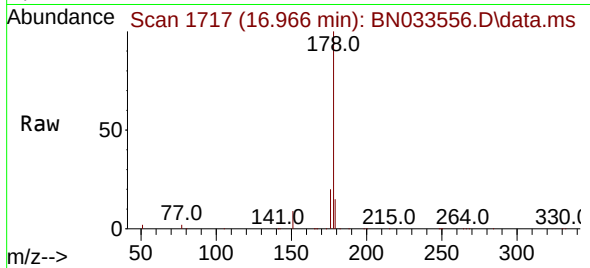
Tgt Ion:188 Resp: 17605
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.7 7.8 11.8





#25
Phenanthrene
Concen: 2.277 ng
RT: 16.966 min Scan# 1718
Delta R.T. -0.013 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

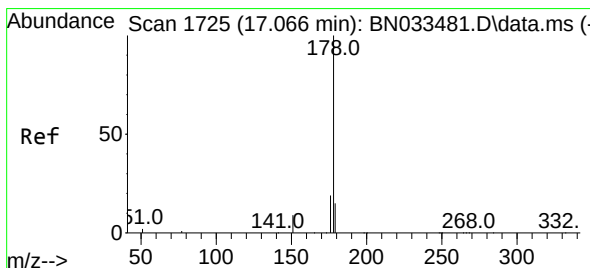
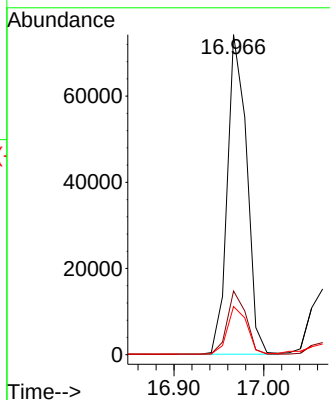
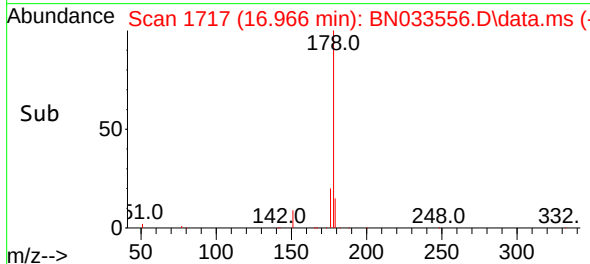
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL



Tgt Ion:178 Resp: 111530
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.1 12.3 18.5

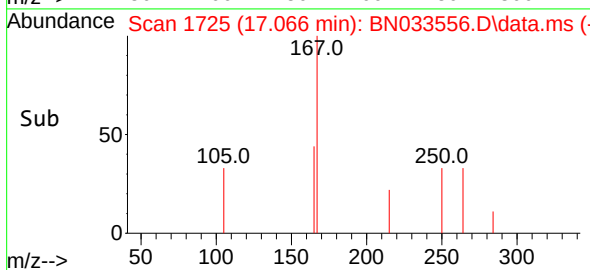
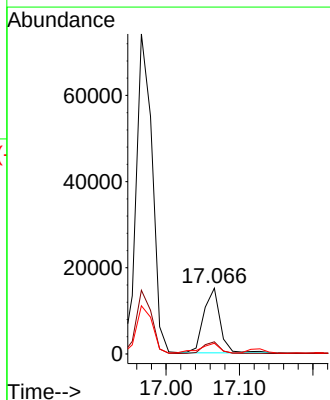
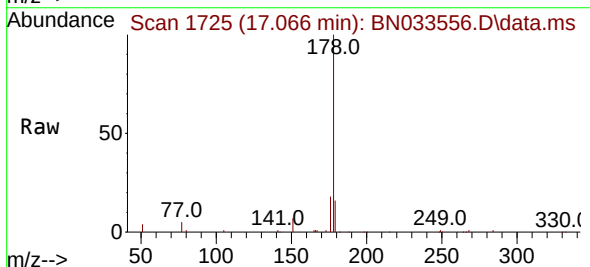
Manual Integrations
APPROVED

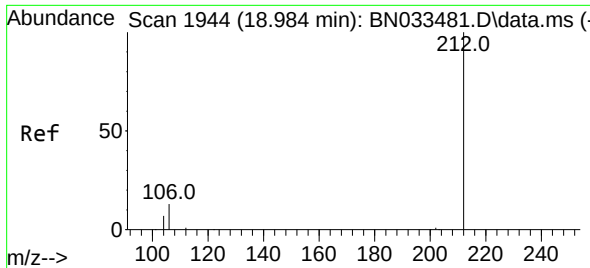
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#26
Anthracene
Concen: 0.541 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

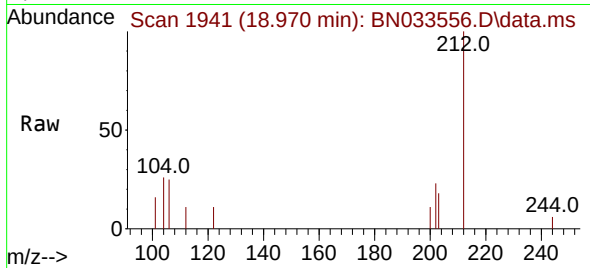
Tgt Ion:178 Resp: 23450
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 17.0 12.4 18.6





#27
Fluoranthene-d10
Concen: 0.024 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.014 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

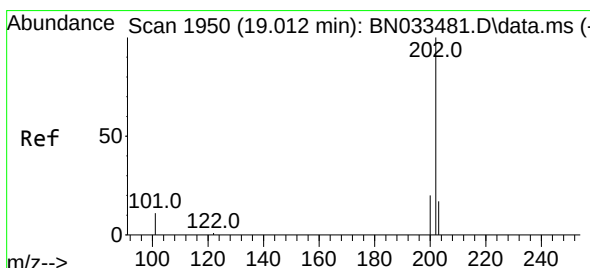
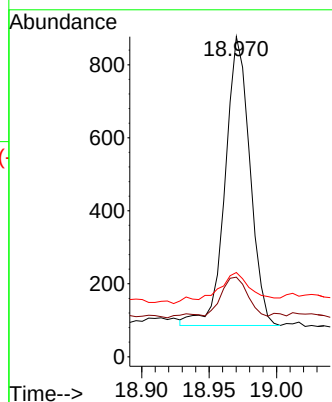
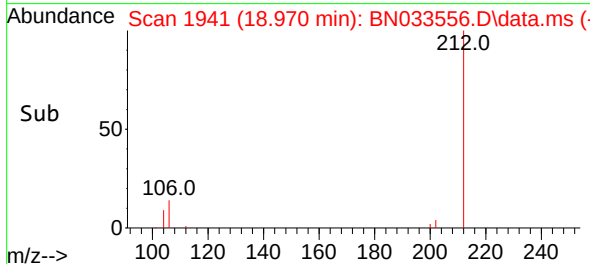
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL



Tgt Ion:212 Resp: 1007
Ion Ratio Lower Upper
212 100
106 15.1 12.3 18.5
104 15.0 7.0 10.4

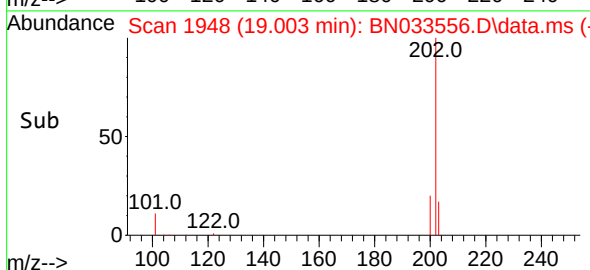
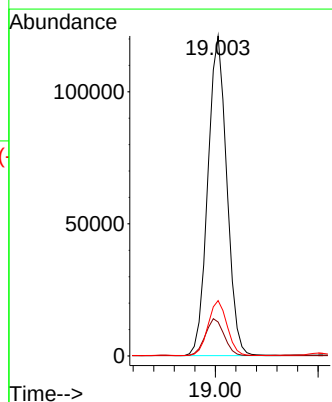
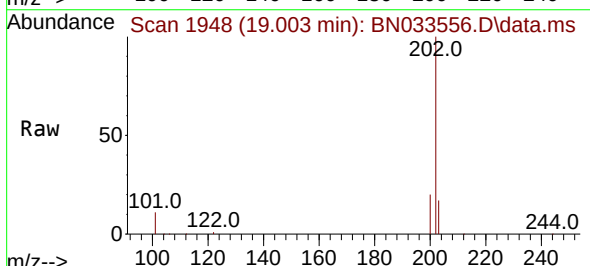
Manual Integrations
APPROVED

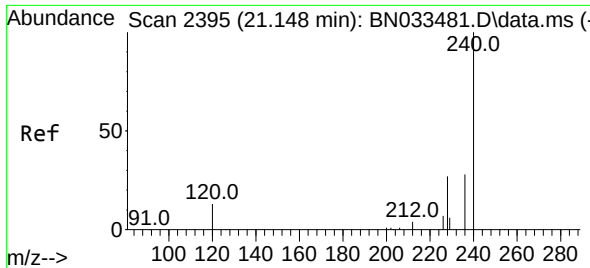
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#28
Fluoranthene
Concen: 2.861 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

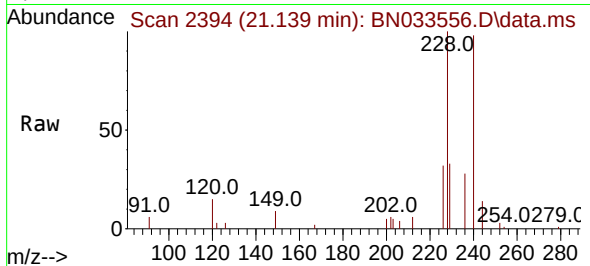
Tgt Ion:202 Resp: 154843
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.2 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

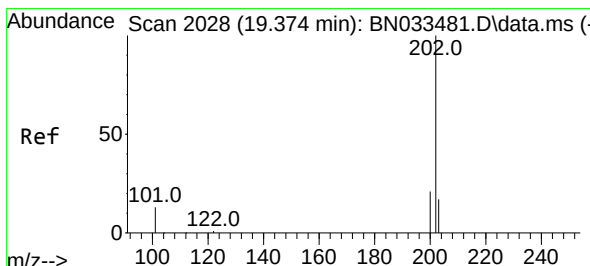
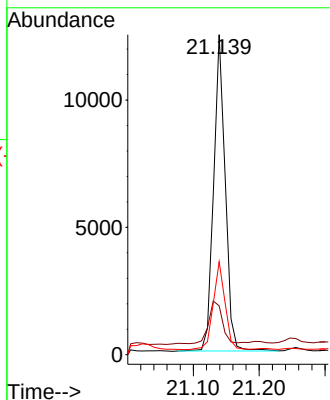
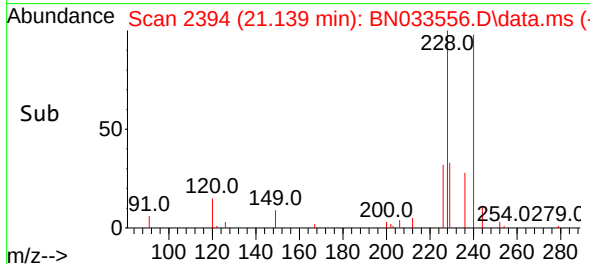
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL



Tgt Ion:240 Resp: 15210
Ion Ratio Lower Upper
240 100
120 15.2 12.4 18.6
236 29.0 23.0 34.6

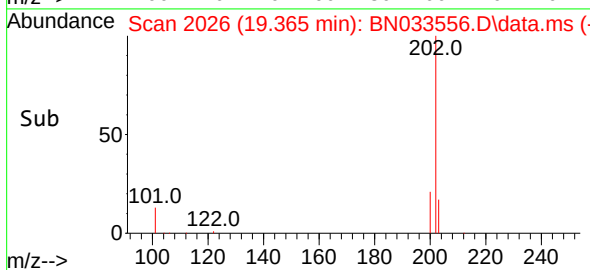
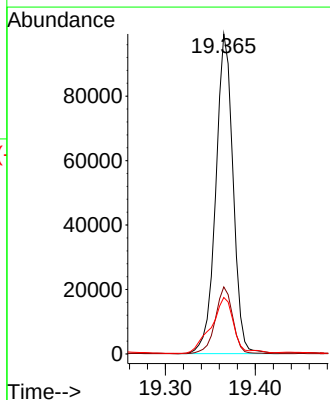
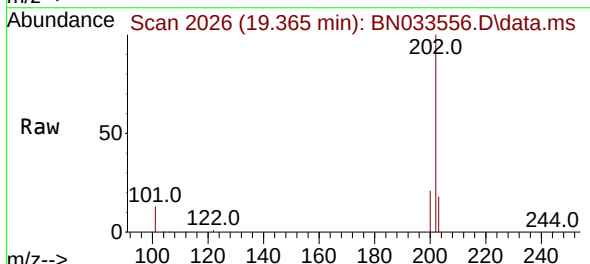
Manual Integrations
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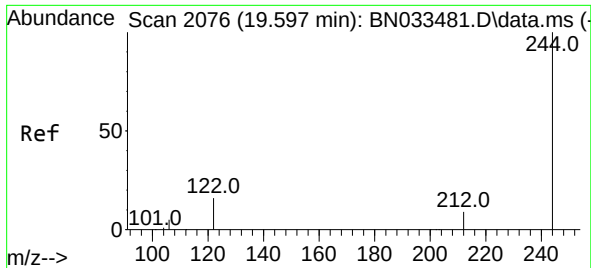
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#30
Pyrene
Concen: 1.942 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.009 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

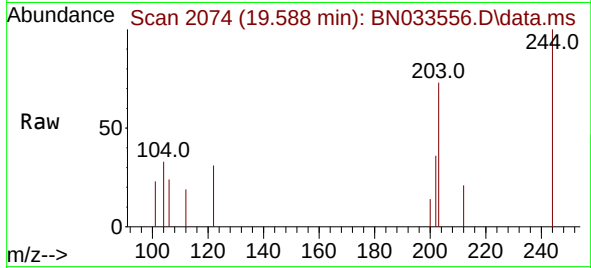
Tgt Ion:202 Resp: 131887
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 23.0 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.022 ng
 RT: 19.588 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

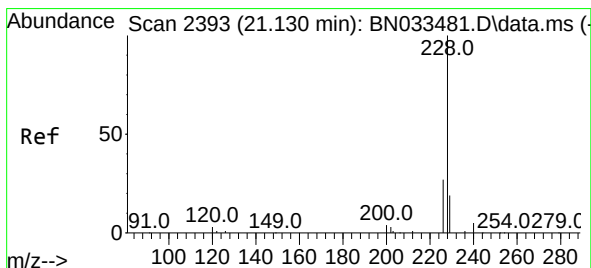
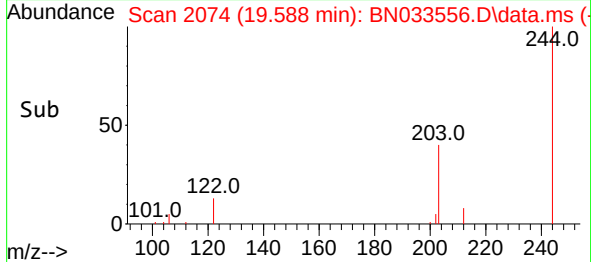
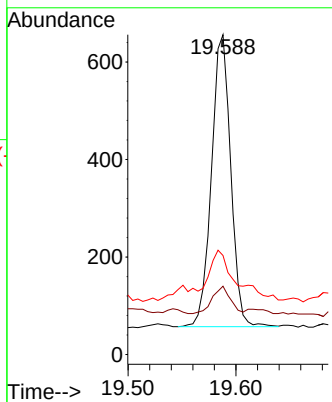
Instrument : BNA_N
 ClientSampleId : 918-J-SD-0-0.5-081524DL



Tgt Ion:244 Resp: 749
 Ion Ratio Lower Upper
 244 100
 212 21.3 7.8 11.6
 122 30.9 13.3 19.9

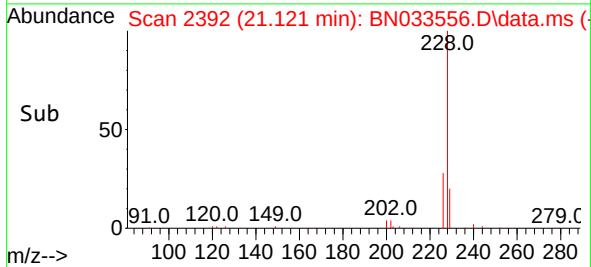
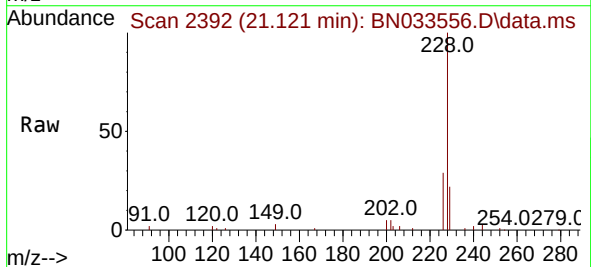
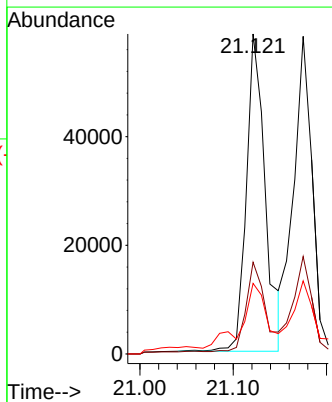
Manual Integrations
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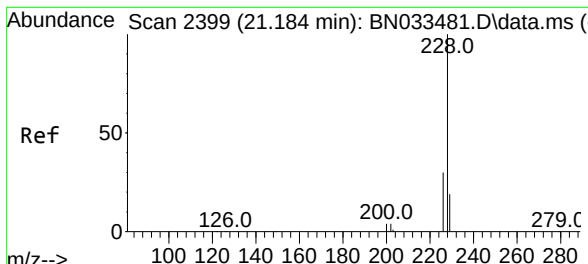
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#32
 Benzo(a)anthracene
 Concen: 1.493 ng
 RT: 21.121 min Scan# 2392
 Delta R.T. -0.009 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

Tgt Ion:228 Resp: 82113
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.8 32.6
 229 22.1 15.8 23.6





#33

Chrysene

Concen: 1.455 ng

RT: 21.175 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

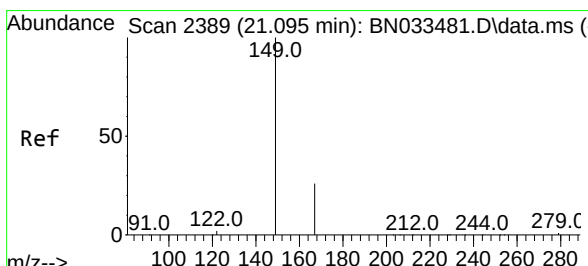
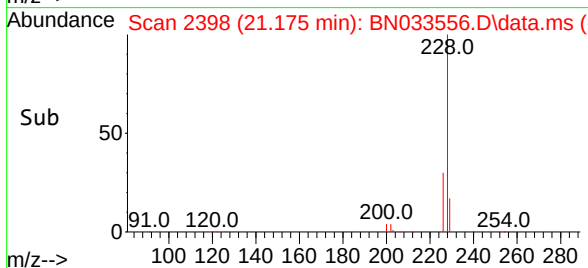
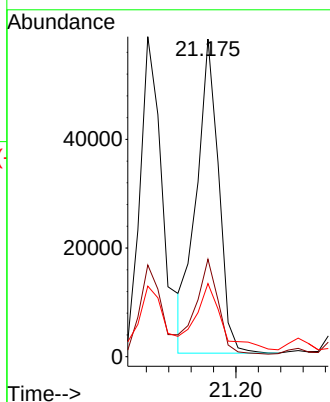
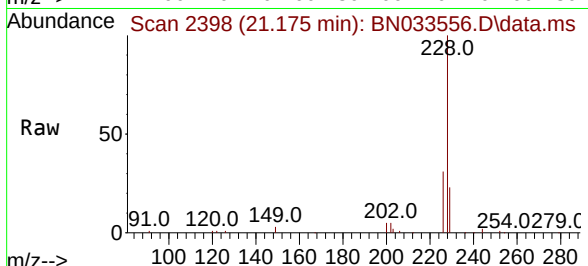
918-J-SD-0-0.5-081524DL

Tgt Ion:	228	Resp:	7958
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.8	35.8
229	23.0	15.6	23.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.094 ng m

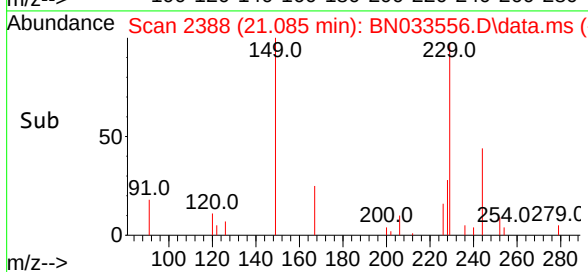
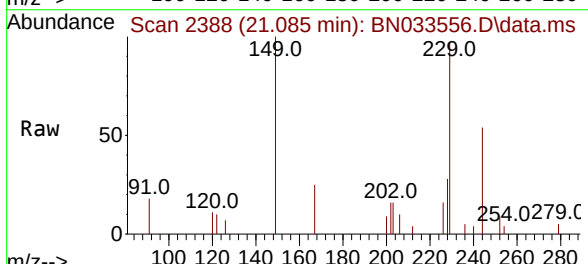
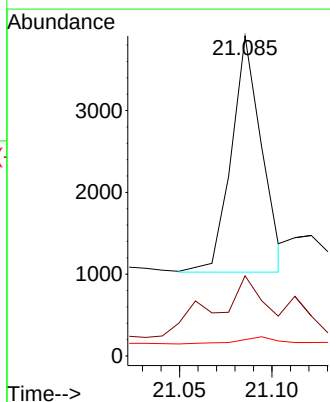
RT: 21.085 min Scan# 2388

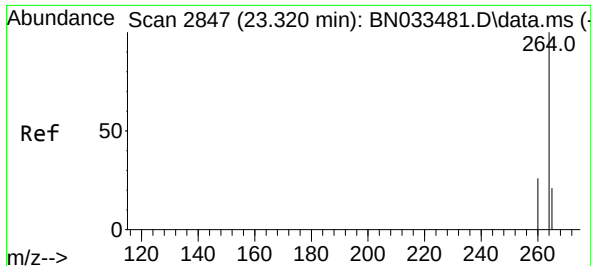
Delta R.T. -0.009 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

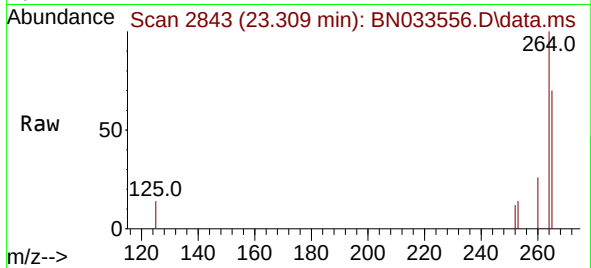
Tgt Ion:	149	Resp:	3272
Ion Ratio	Lower	Upper	
149	100		
167	76.6	21.5	32.3#
279	5.7	2.2	3.2#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.309 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

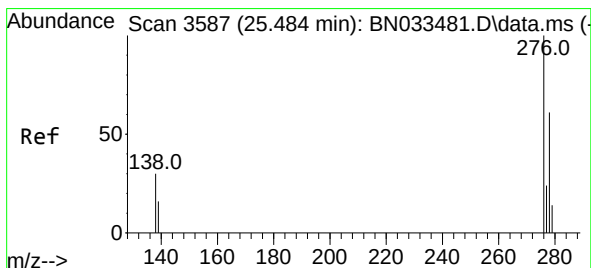
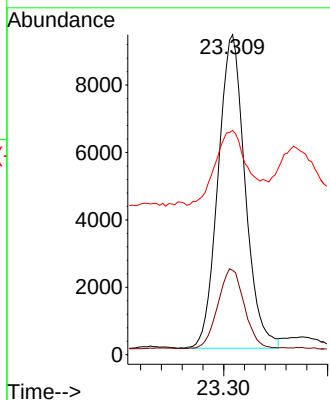
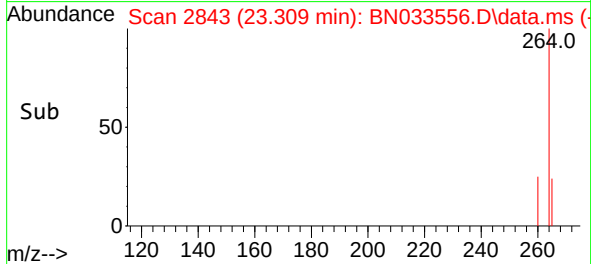
Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524DL



Tgt Ion:264 Resp: 16830
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.8 31.2
 265 70.1 52.2 78.2

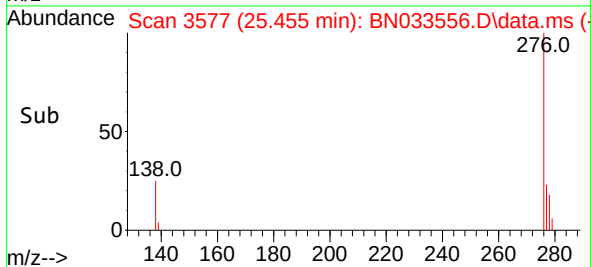
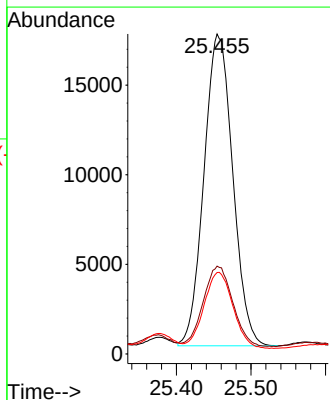
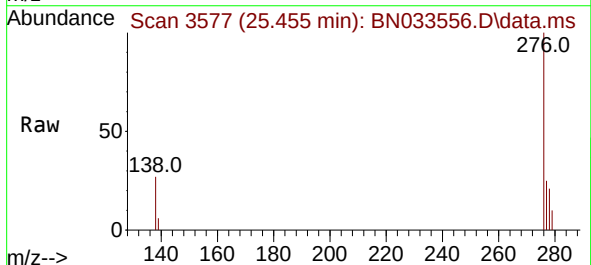
Manual Integrations
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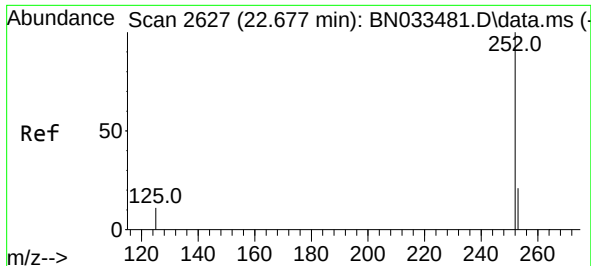
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.668 ng
 RT: 25.455 min Scan# 3577
 Delta R.T. -0.029 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

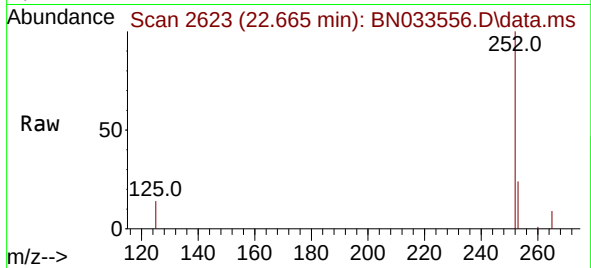
Tgt Ion:276 Resp: 46667
 Ion Ratio Lower Upper
 276 100
 138 26.6 24.4 36.6
 277 24.8 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 1.577 ng
RT: 22.665 min Scan# 2623
Delta R.T. -0.012 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

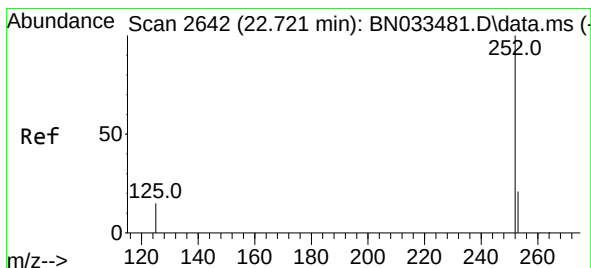
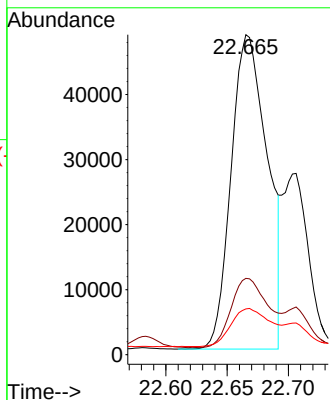
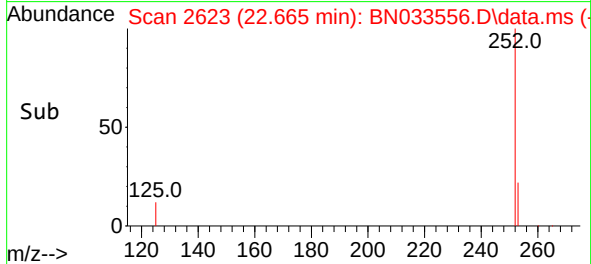
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL



Tgt Ion:252 Resp: 99117
Ion Ratio Lower Upper
252 100
253 23.9 19.8 29.8
125 14.3 13.9 20.9

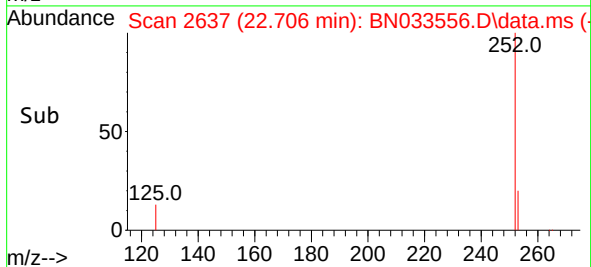
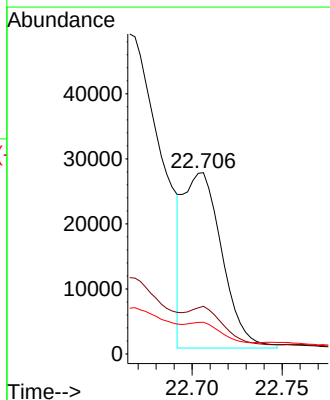
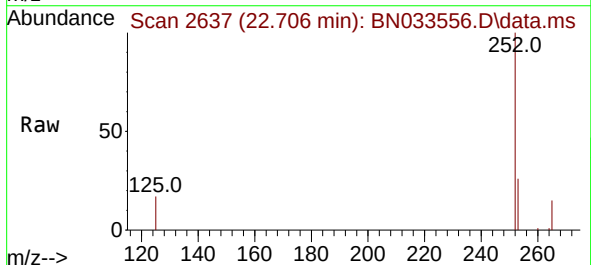
Manual Integrations
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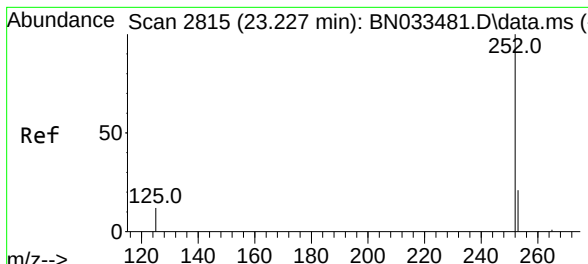
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#38
Benzo(k)fluoranthene
Concen: 0.648 ng m
RT: 22.706 min Scan# 2637
Delta R.T. -0.015 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion:252 Resp: 40117
Ion Ratio Lower Upper
252 100
253 26.3 19.8 29.8
125 17.5 15.8 23.8



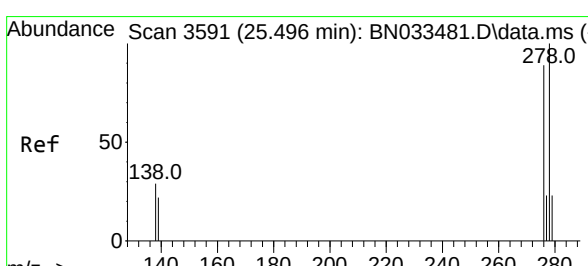
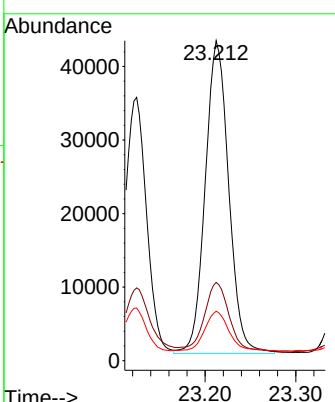
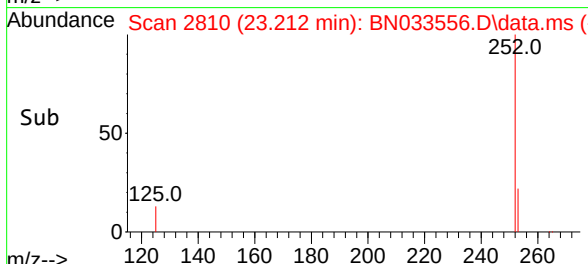
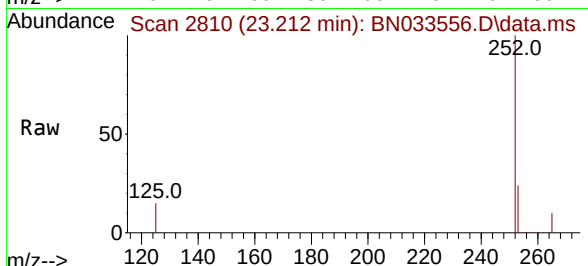


#39
 Benzo(a)pyrene
 Concen: 1.473 ng m
 RT: 23.212 min Scan# 2815
 Delta R.T. -0.015 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

Instrument : BNA_N
 ClientSampleId : 918-J-SD-0-0.5-081524DL

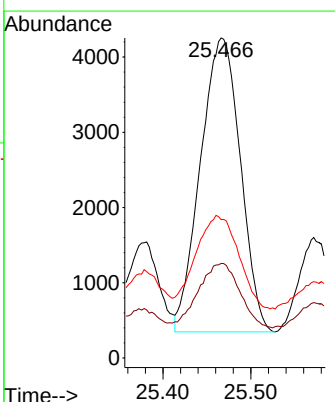
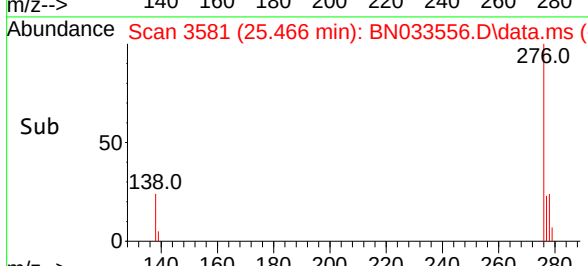
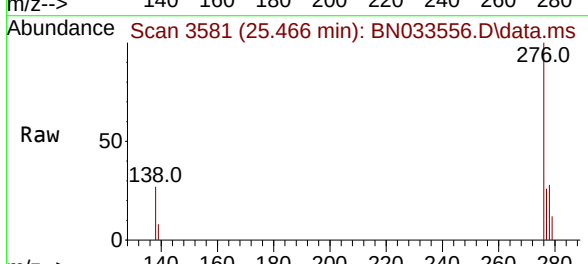
Tgt Ion:	252	Resp:	7661
Ion Ratio	Lower	Upper	
252	100		
253	24.5	21.5	32.3
125	15.4	17.0	25.4

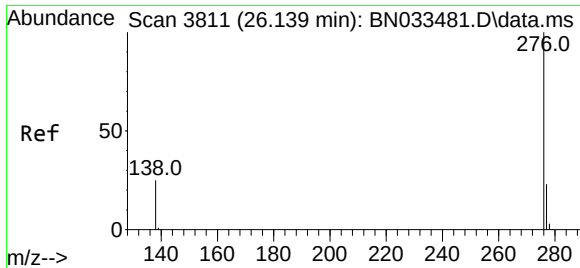
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#40
 Dibenzo(a,h)anthracene
 Concen: 0.221 ng
 RT: 25.466 min Scan# 3581
 Delta R.T. -0.029 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

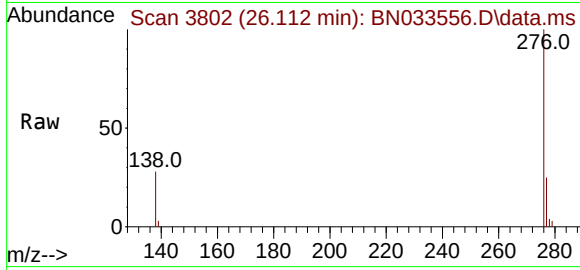
Tgt Ion:	278	Resp:	12347
Ion Ratio	Lower	Upper	
278	100		
139	29.5	19.1	28.7#
279	43.3	21.0	31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.834 ng
RT: 26.112 min Scan# 3811
Delta R.T. -0.026 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL



Tgt Ion:276 Resp: 4980
Ion Ratio Lower Upper
276 100
277 24.9 19.7 29.5
138 27.8 21.8 32.6

Manual Integrations
APPROVED

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