

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033603.D
 Acq On : 23 Aug 2024 23:55
 Operator : MA/JU
 Sample : P3707-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-929-K1-SO-0.5-1-082024

Quant Time: Aug 24 02:20:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8156	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	22116	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10151	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19023	0.400	ng	0.00
29) Chrysene-d12	21.139	240	14828	0.400	ng	# 0.00
35) Perylene-d12	23.303	264	16670	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3157	0.122	ng	0.00
5) Phenol-d6	6.736	99	4007	0.130	ng	0.00
8) Nitrobenzene-d5	8.681	82	3700	0.202	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	4118	0.130	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	718	0.132	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	5281	0.127	ng	0.00
27) Fluoranthene-d10	18.970	212	4258	0.093	ng	0.00
31) Terphenyl-d14	19.584	244	2878	0.085	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.357	128	1748	0.030	ng	# 81
12) 2-Methylnaphthalene	11.975	142	1375	0.037	ng	# 92
25) Phenanthrene	16.967	178	7394m	0.140	ng	
26) Anthracene	17.066	178	1205	0.026	ng	# 87
28) Fluoranthene	19.003	202	14826	0.254	ng	99
30) Pyrene	19.365	202	13428	0.203	ng	96
32) Benzo(a)anthracene	21.121	228	6647	0.124	ng	91
33) Chrysene	21.175	228	8183m	0.154	ng	
34) Bis(2-ethylhexyl)phtha...	21.077	149	2234m	0.066	ng	
36) Indeno(1,2,3-cd)pyrene	25.452	276	5263	0.076	ng	95
37) Benzo(b)fluoranthene	22.660	252	11251	0.181	ng	# 72
38) Benzo(k)fluoranthene	22.701	252	3637m	0.059	ng	
39) Benzo(a)pyrene	23.209	252	7128	0.138	ng	# 71
40) Dibenzo(a,h)anthracene	25.461	278	1342	0.024	ng	# 1
41) Benzo(g,h,i)perylene	26.110	276	5220	0.088	ng	# 83

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

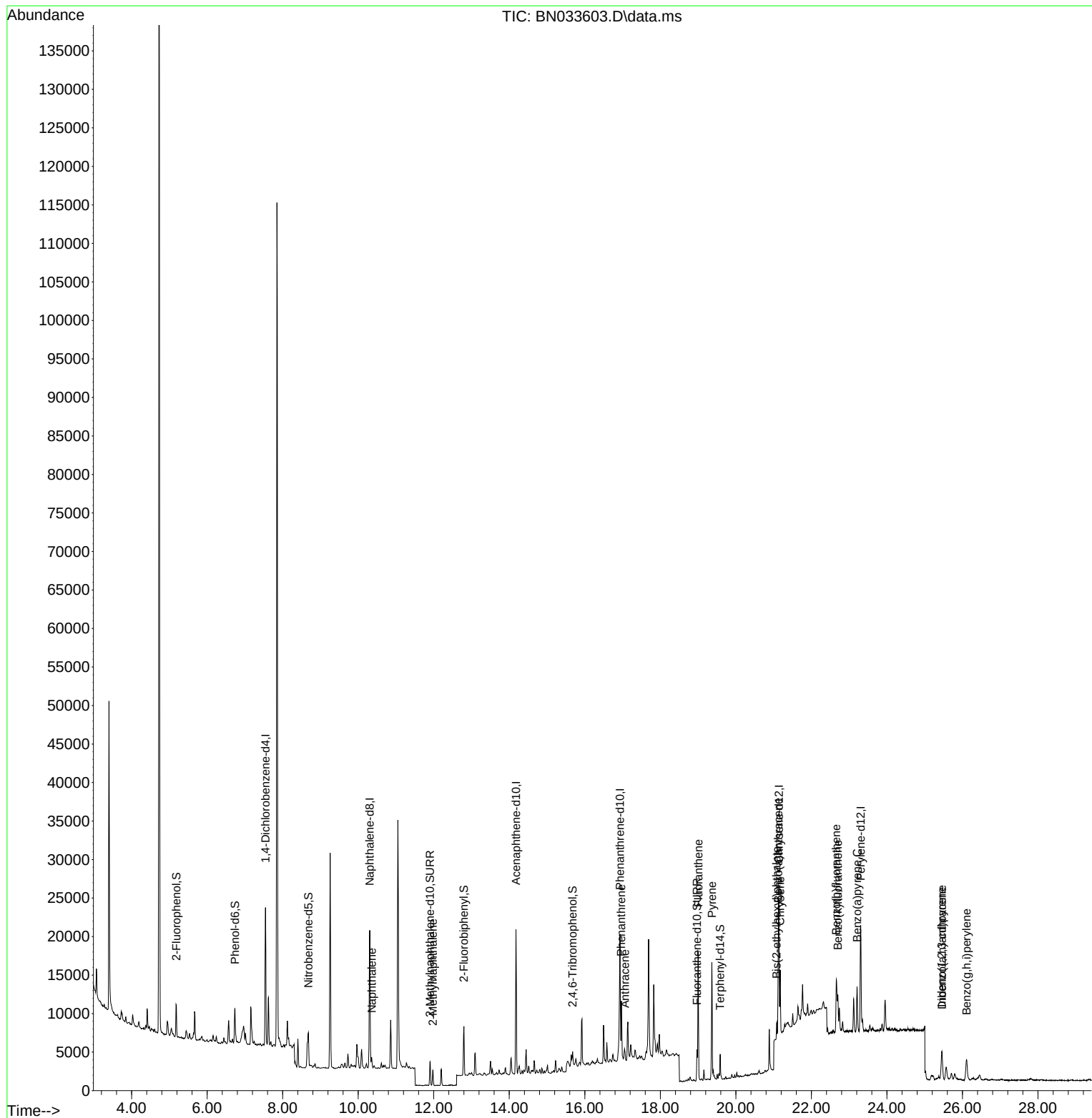
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033603.D
Acq On : 23 Aug 2024 23:55
Operator : MA/JU
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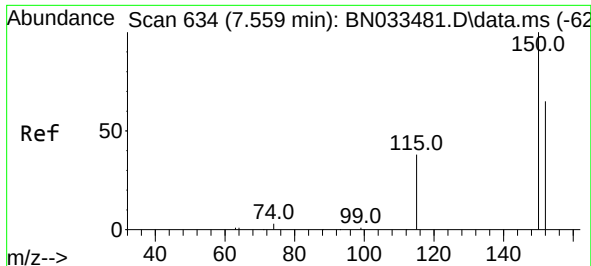
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024

Quant Time: Aug 24 02:20:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 00:22:18 2024
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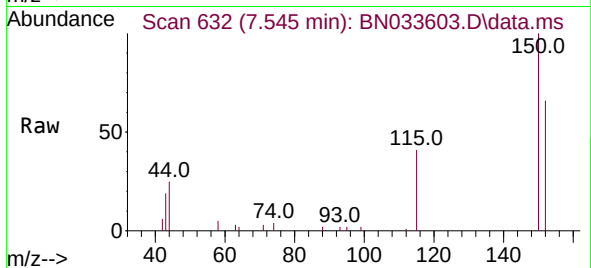
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

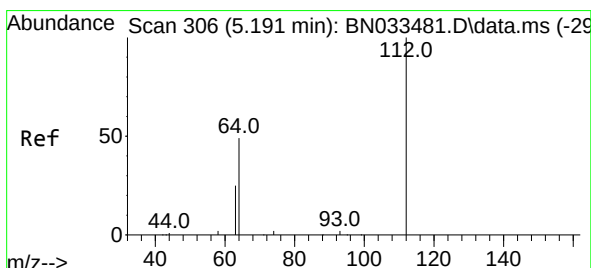
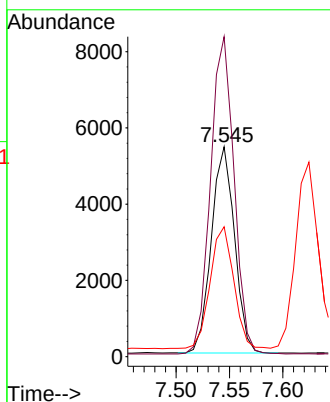
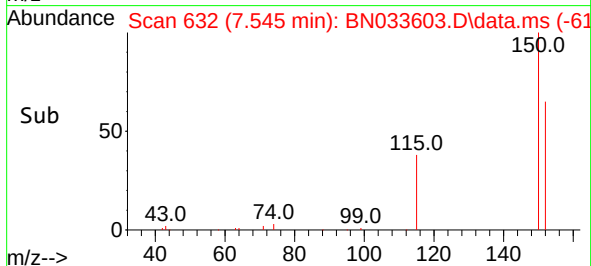
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion:152 Resp: 8150
Ion Ratio Lower Upper
152 100
150 152.4 122.2 183.2
115 61.8 47.2 70.8

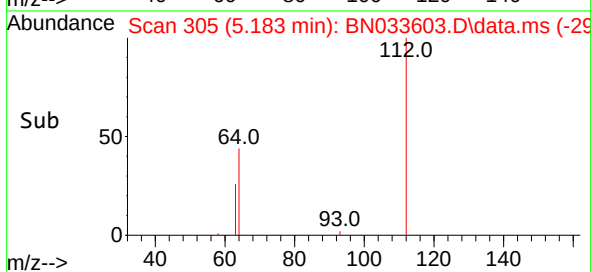
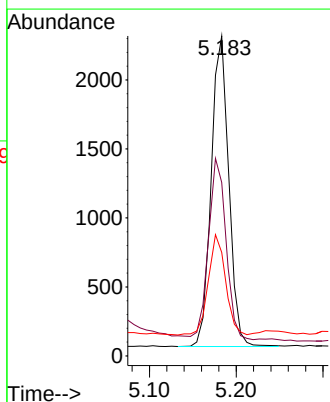
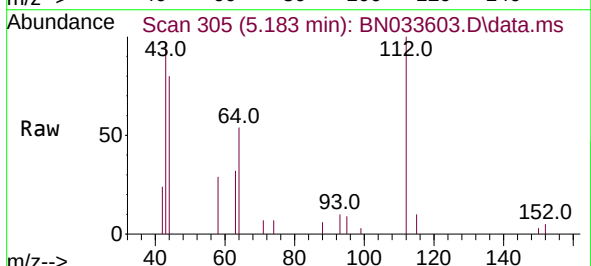
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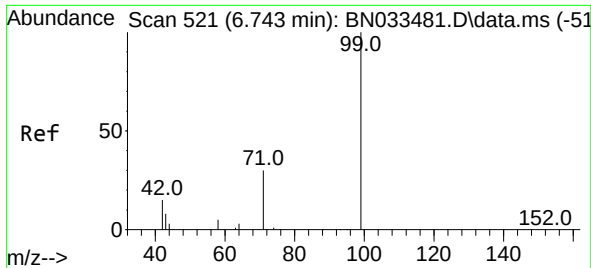
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

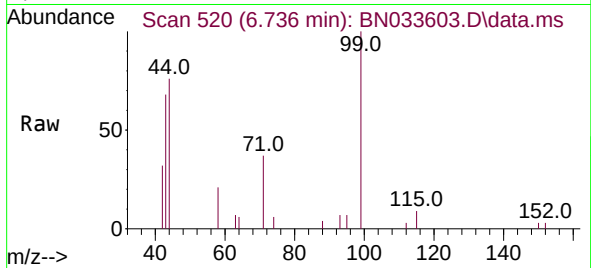
Tgt Ion:112 Resp: 3157
Ion Ratio Lower Upper
112 100
64 58.4 47.1 70.7
63 31.7 24.9 37.3





#5
Phenol-d6
Concen: 0.130 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

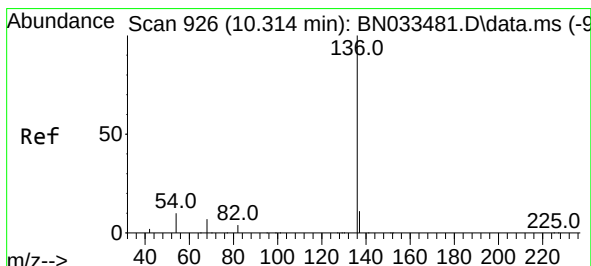
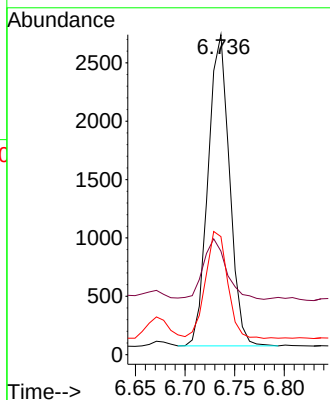
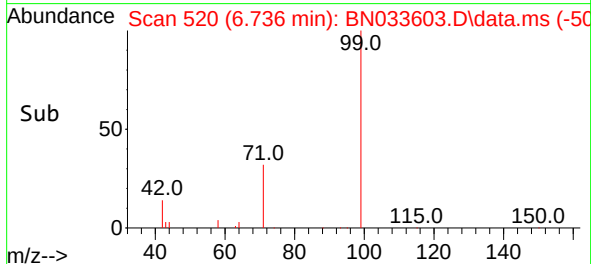
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion: 99 Resp: 400
Ion Ratio Lower Upper
99 100
42 20.8 16.6 24.8
71 35.2 26.2 39.4

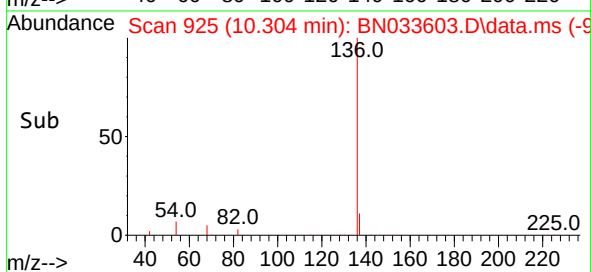
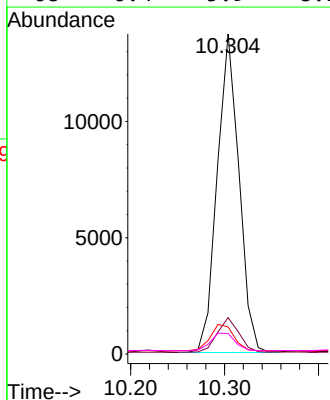
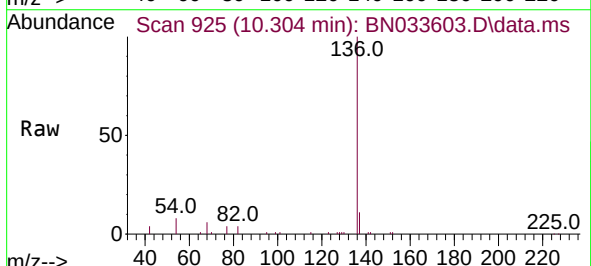
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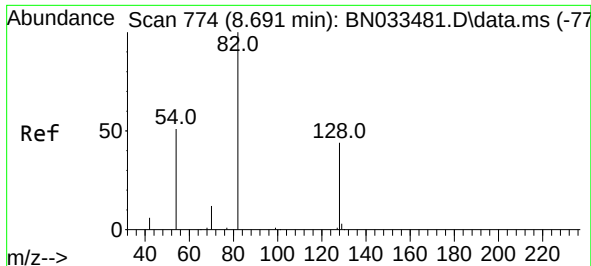
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

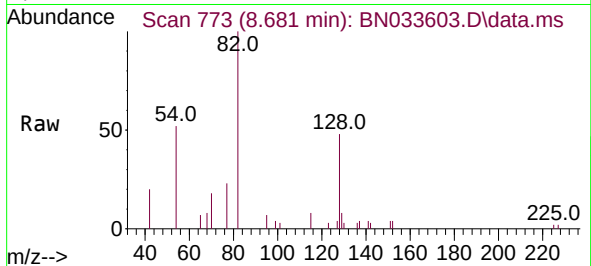
Tgt Ion:136 Resp: 22116
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 8.4 8.3 12.5
68 6.4 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.202 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

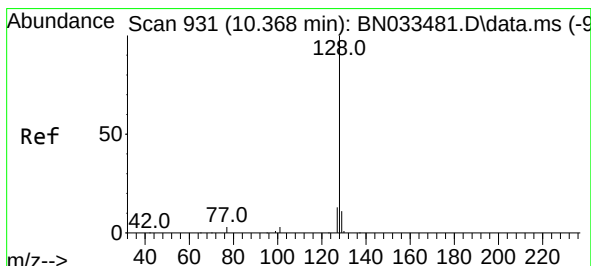
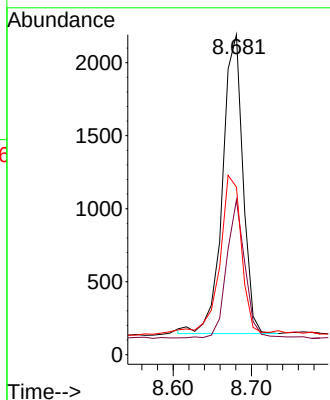
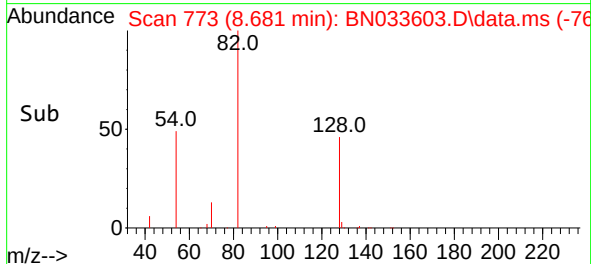
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion: 82 Resp: 3700
Ion Ratio Lower Upper
82 100
128 48.4 36.0 54.0
54 52.4 42.0 63.0

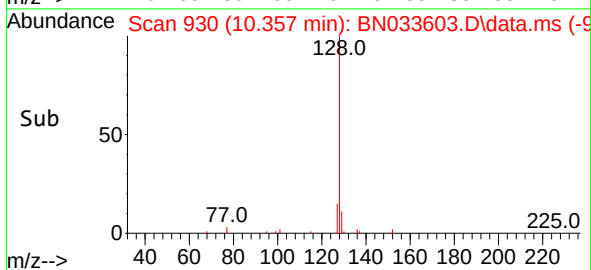
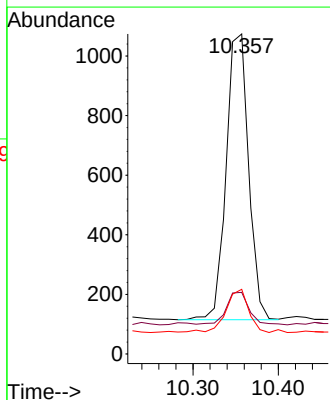
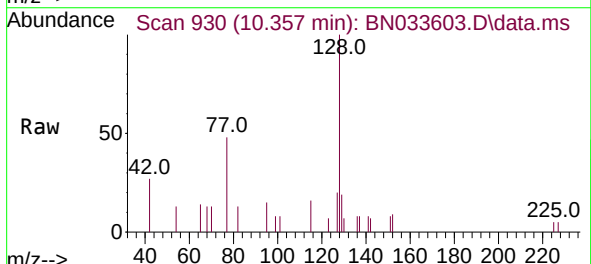
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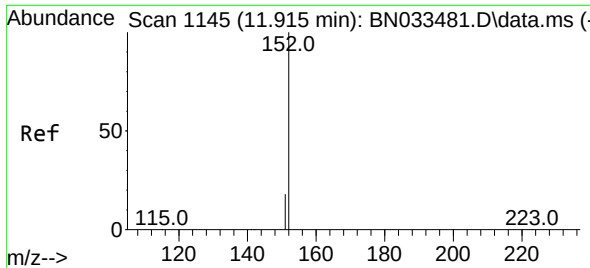
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.030 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

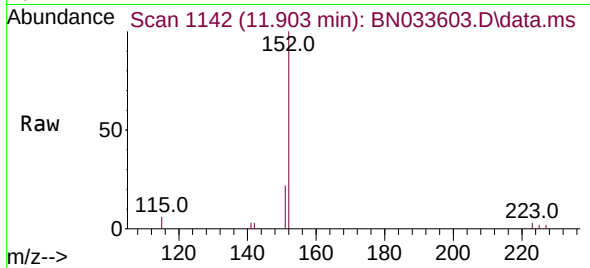
Tgt Ion:128 Resp: 1748
Ion Ratio Lower Upper
128 100
129 19.3 9.1 13.7#
127 20.2 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.130 ng
RT: 11.903 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

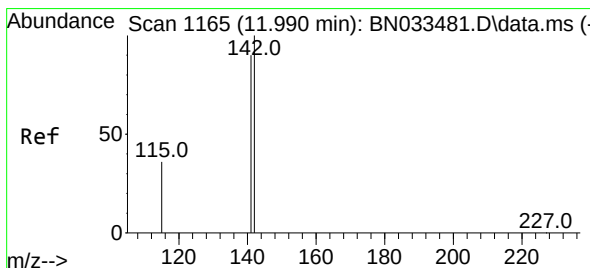
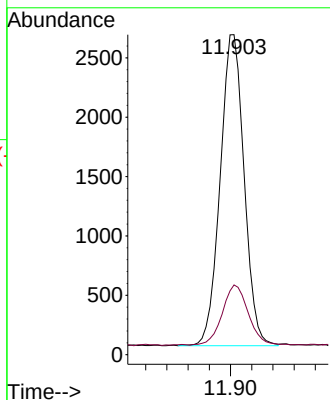
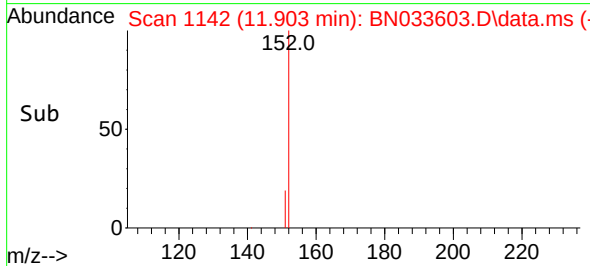
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion:152 Resp: 4118
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0

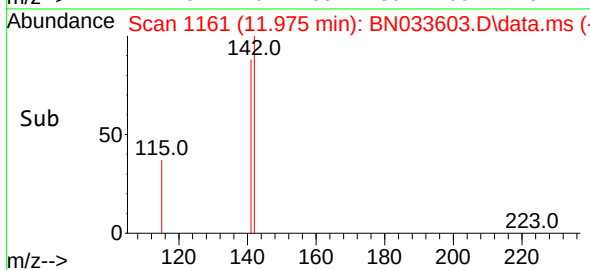
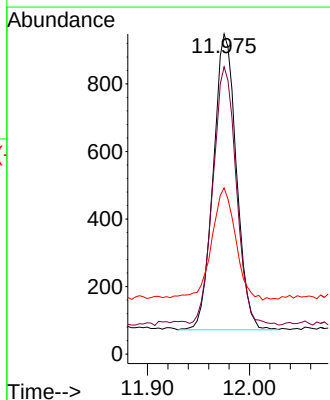
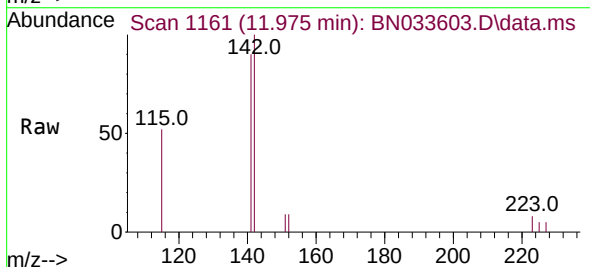
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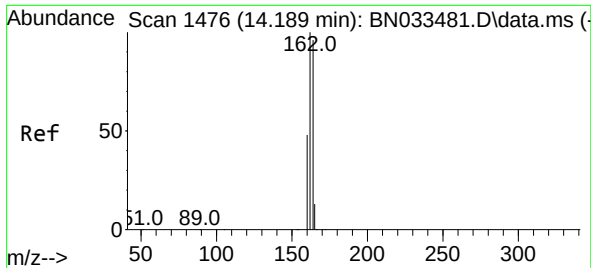
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#12
2-Methylnaphthalene
Concen: 0.037 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

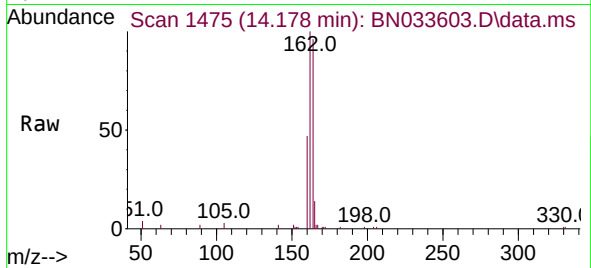
Tgt Ion:142 Resp: 1375
Ion Ratio Lower Upper
142 100
141 89.8 71.7 107.5
115 51.9 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

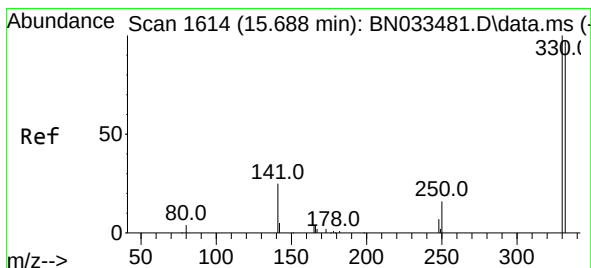
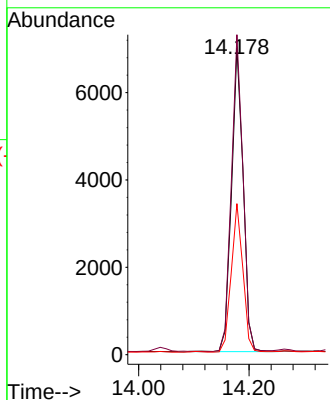
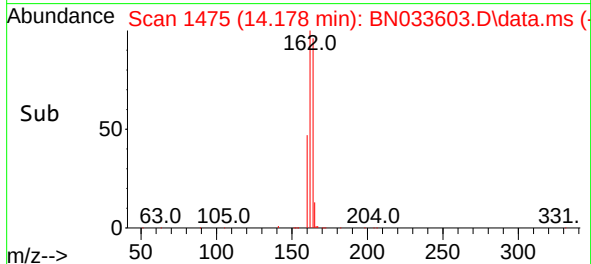
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



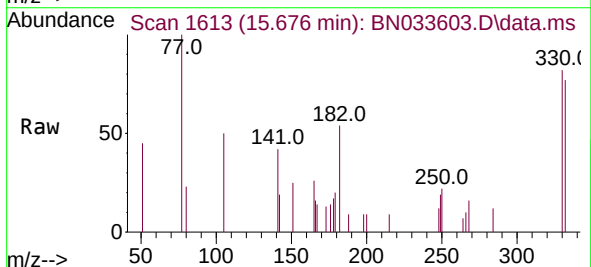
Tgt Ion:164 Resp: 1015
Ion Ratio Lower Upper
164 100
162 104.2 83.5 125.3
160 49.2 40.2 60.4

Manual Integrations
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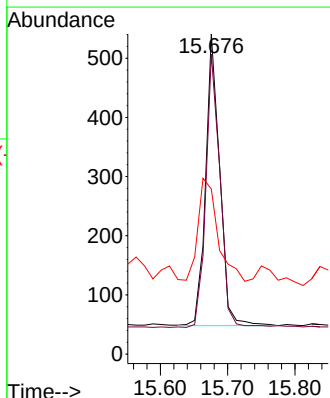
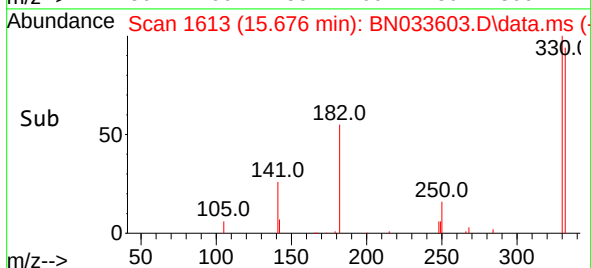
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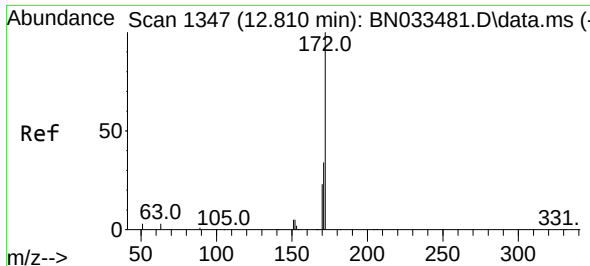


#14
2,4,6-Tribromophenol
Concen: 0.132 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55



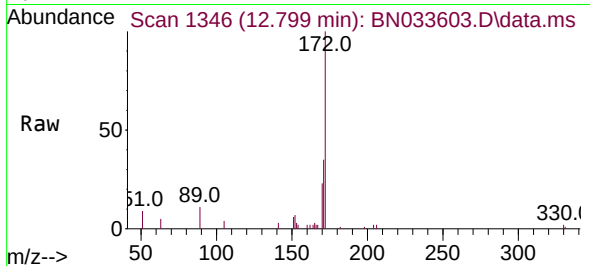
Tgt Ion:330 Resp: 718
Ion Ratio Lower Upper
330 100
332 94.3 77.5 116.3
141 49.0 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.127 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

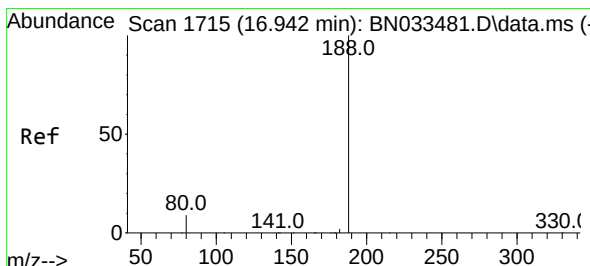
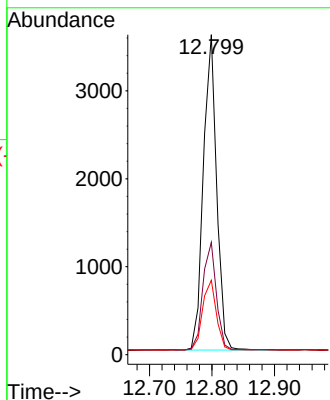
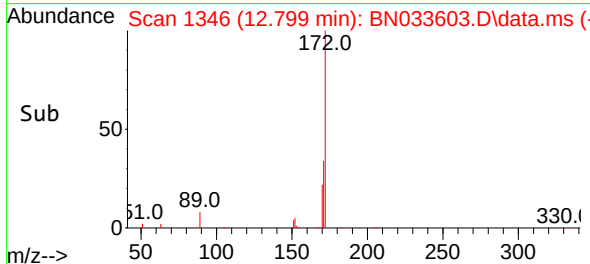
Instrument :
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S-929-K1-SO-0.5-1-082024



Tgt Ion:172 Resp: 528
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.3 18.3 27.5

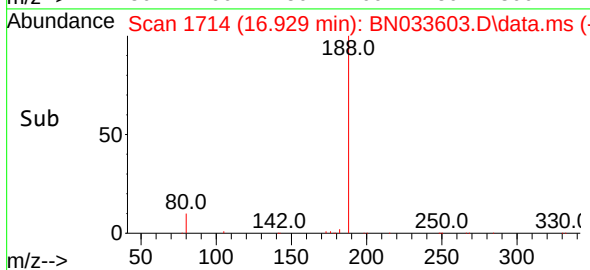
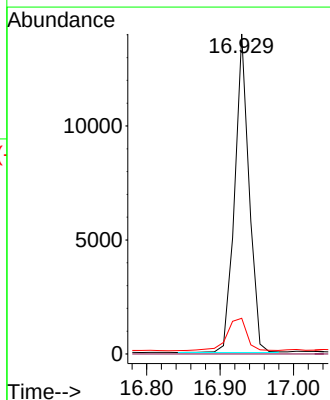
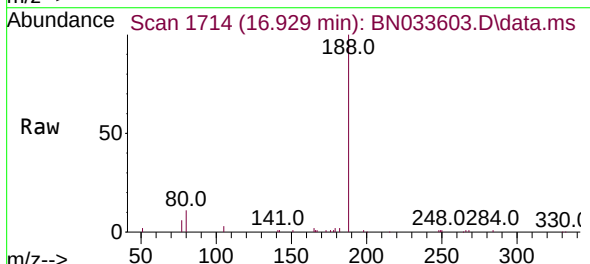
Manual Integrations
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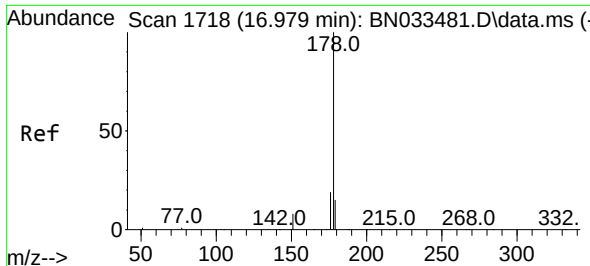
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

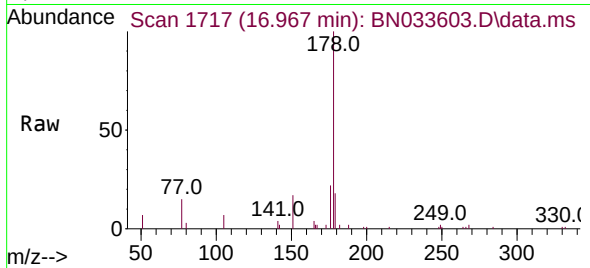
Tgt Ion:188 Resp: 19023
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 7.8 11.8





#25
Phenanthrene
Concen: 0.140 ng m
RT: 16.967 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

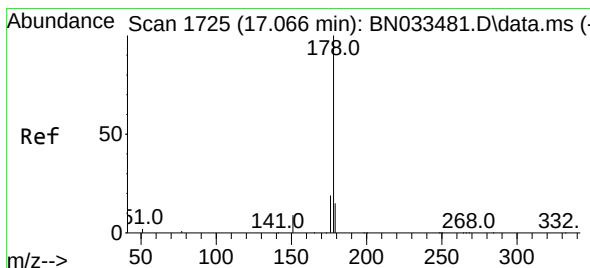
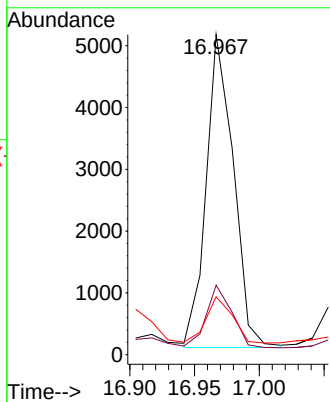
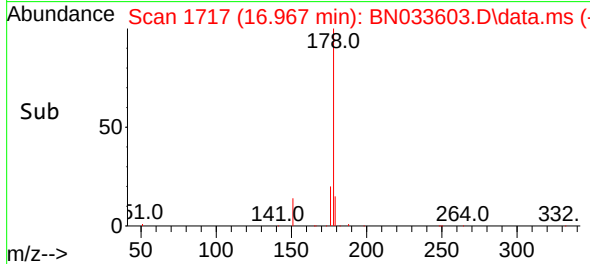
Instrument : BNA_N
ClientSampleId : S-929-K1-SO-0.5-1-082024



Tgt Ion:178 Resp: 7394
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 14.2 12.3 18.5

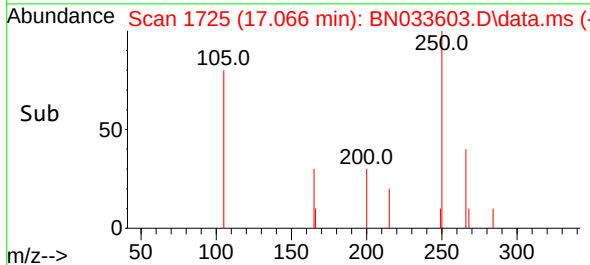
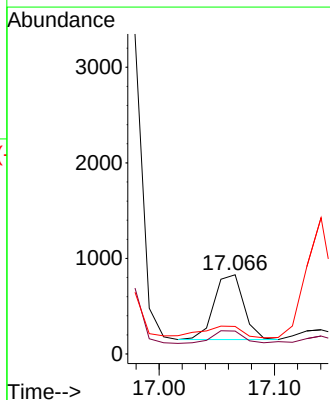
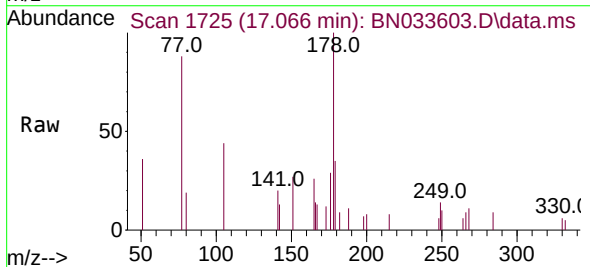
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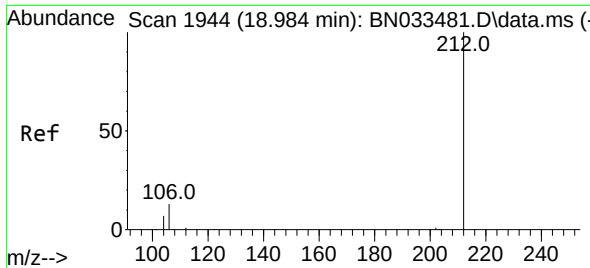
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#26
Anthracene
Concen: 0.026 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

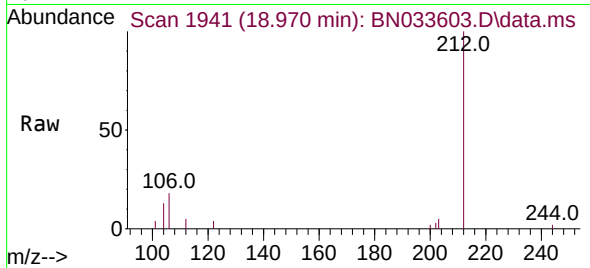
Tgt Ion:178 Resp: 1205
Ion Ratio Lower Upper
178 100
176 20.4 15.0 22.6
179 25.5 12.4 18.6#





#27
Fluoranthene-d10
Concen: 0.093 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

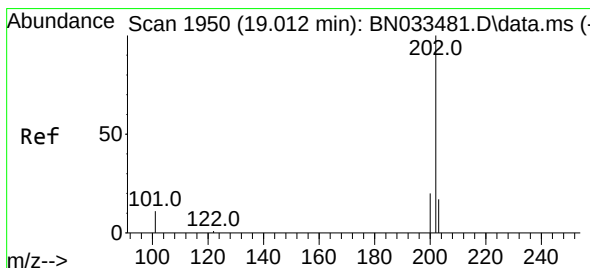
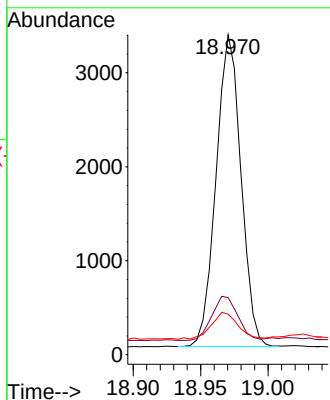
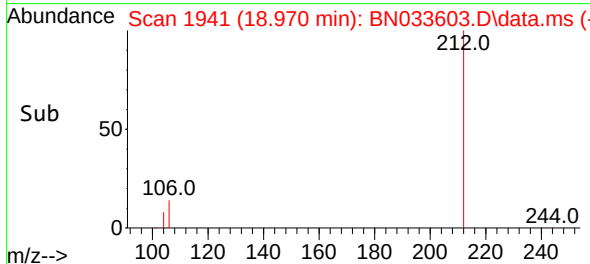
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion:212 Resp: 4258
Ion Ratio Lower Upper
212 100
106 14.8 12.3 18.5
104 9.1 7.0 10.4

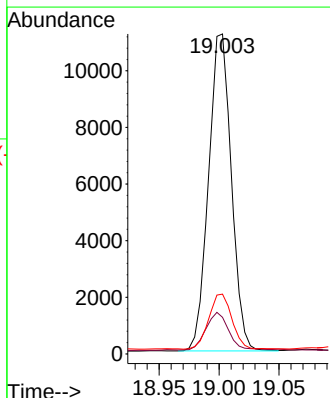
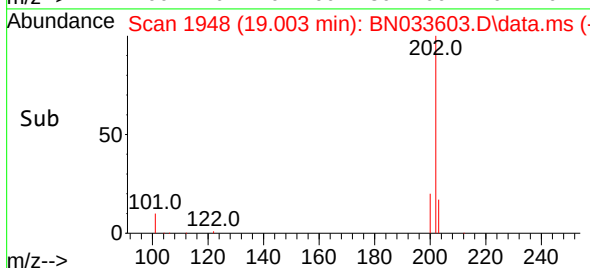
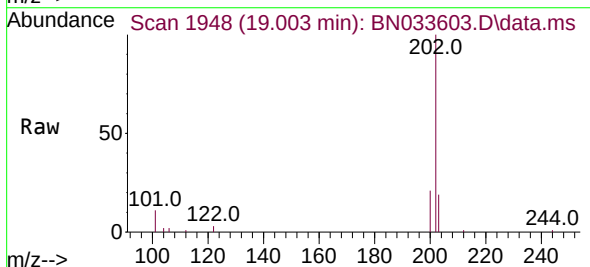
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APPROVED

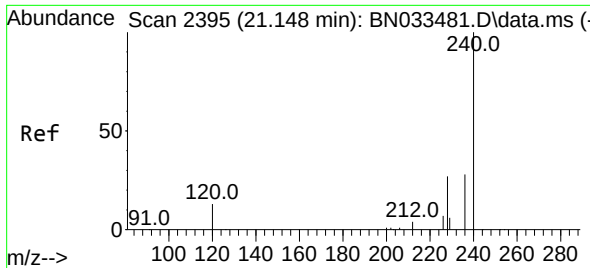
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#28
Fluoranthene
Concen: 0.254 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

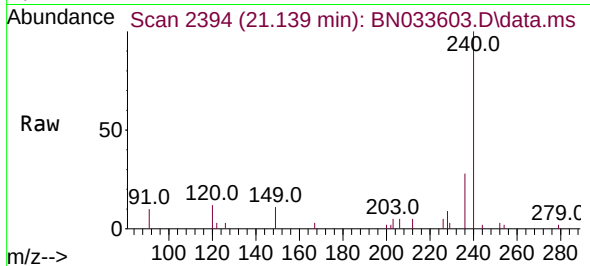
Tgt Ion:202 Resp: 14826
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.7 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 211
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

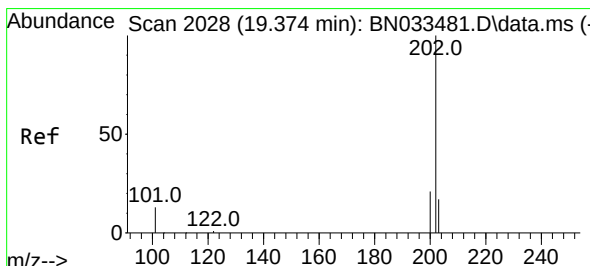
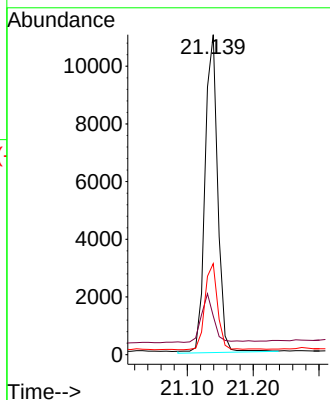
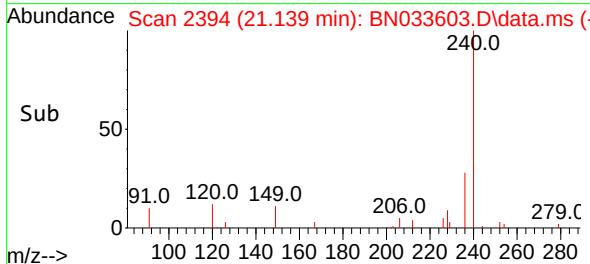
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



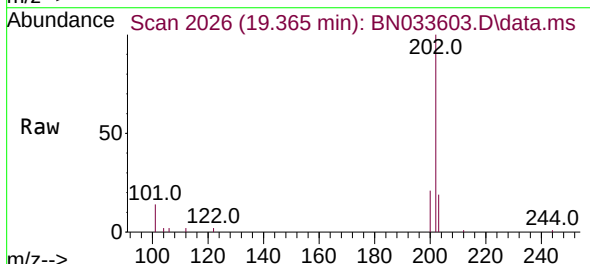
Tgt Ion:240 Resp: 14828
Ion Ratio Lower Upper
240 100
120 12.1 12.4 18.6
236 28.4 23.0 34.6

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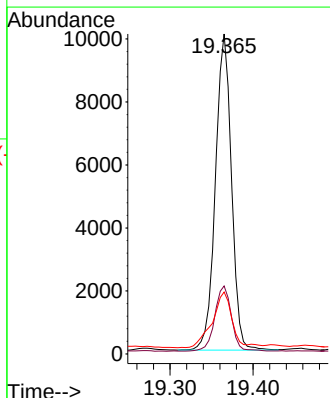
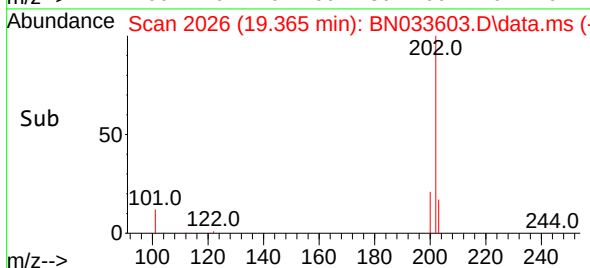
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

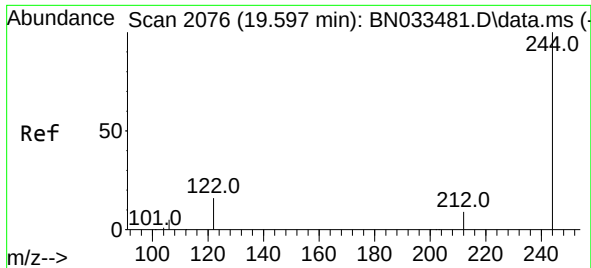


#30
Pyrene
Concen: 0.203 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55



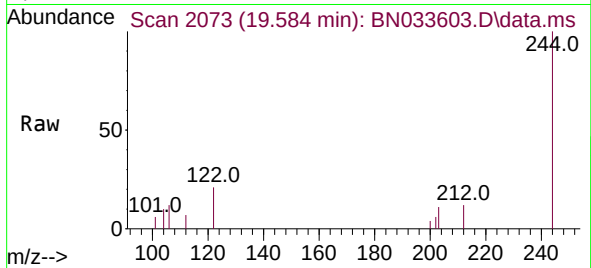
Tgt Ion:202 Resp: 13428
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 21.2 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.085 ng
 RT: 19.584 min Scan# 2076
 Delta R.T. -0.000 min
 Lab File: BN033603.D
 Acq: 23 Aug 2024 23:55

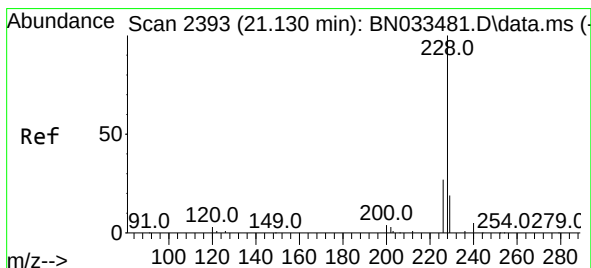
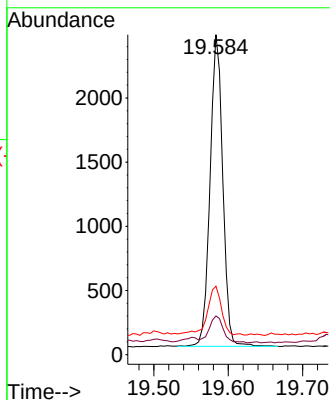
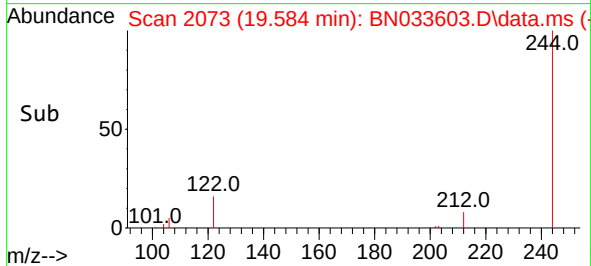
Instrument : BNA_N
 ClientSampleId : S-929-K1-SO-0.5-1-082024



Tgt Ion:244 Resp: 2878
 Ion Ratio Lower Upper
 244 100
 212 12.1 7.8 11.6
 122 21.4 13.3 19.9

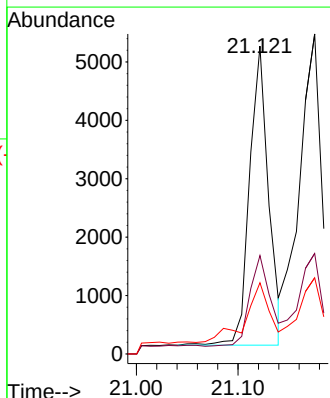
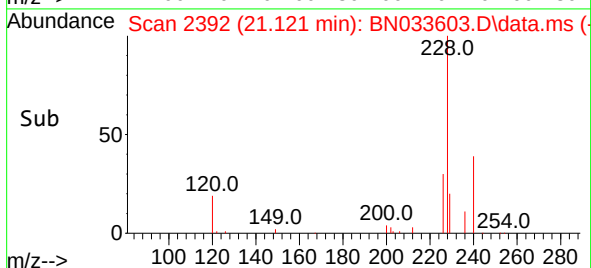
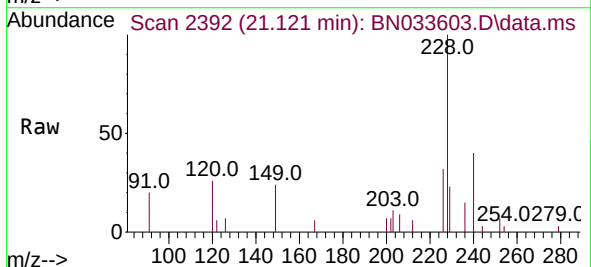
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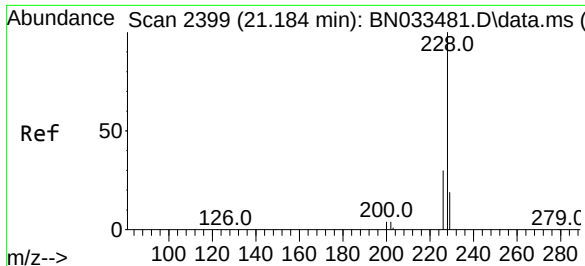
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#32
 Benzo(a)anthracene
 Concen: 0.124 ng
 RT: 21.121 min Scan# 2392
 Delta R.T. -0.000 min
 Lab File: BN033603.D
 Acq: 23 Aug 2024 23:55

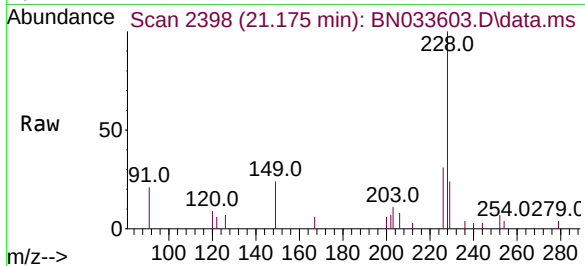
Tgt Ion:228 Resp: 6647
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.8 32.6
 229 23.1 15.8 23.6





#33
Chrysene
Concen: 0.154 ng m
RT: 21.175 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

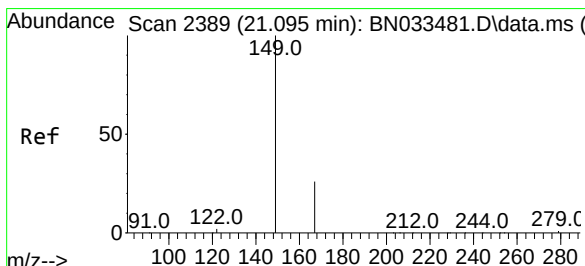
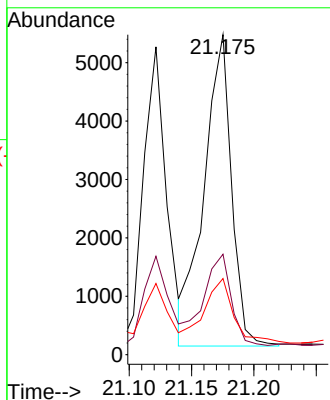
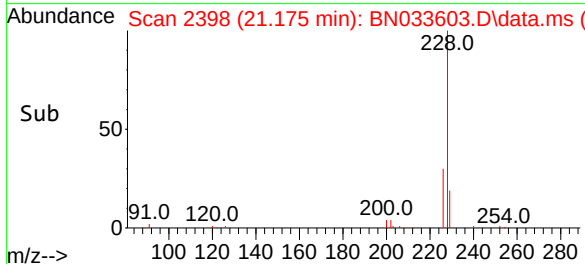
Instrument : BNA_N
ClientSampleId : S-929-K1-SO-0.5-1-082024



Tgt Ion:228 Resp: 818
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.8
229 23.8 15.6 23.4

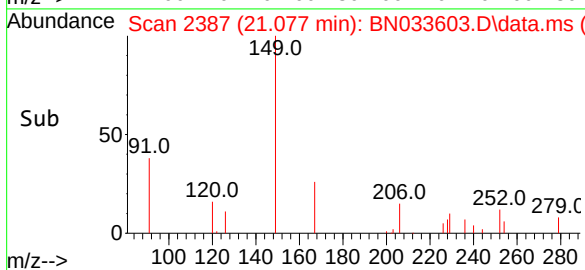
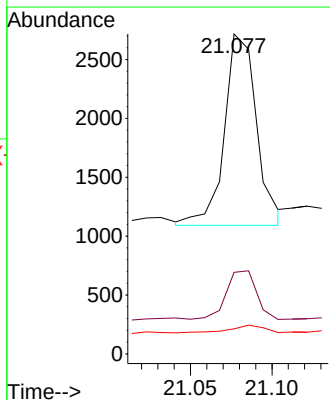
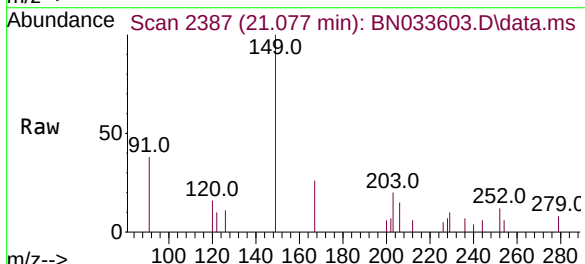
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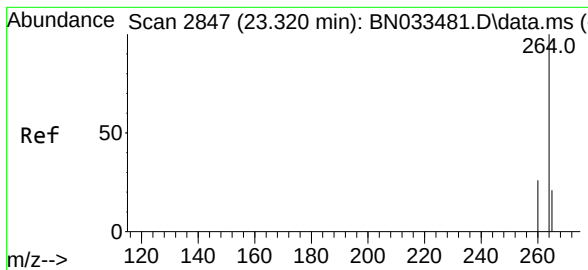
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.066 ng m
RT: 21.077 min Scan# 2387
Delta R.T. -0.009 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

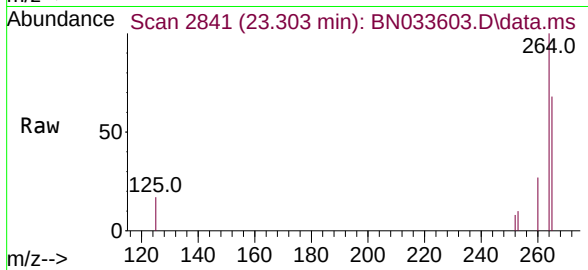
Tgt Ion:149 Resp: 2234
Ion Ratio Lower Upper
149 100
167 111.5 21.5 32.3#
279 8.8 2.2 3.2#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.303 min Scan# 2841
 Delta R.T. -0.000 min
 Lab File: BN033603.D
 Acq: 23 Aug 2024 23:55

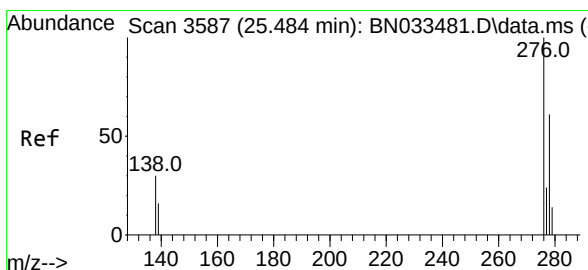
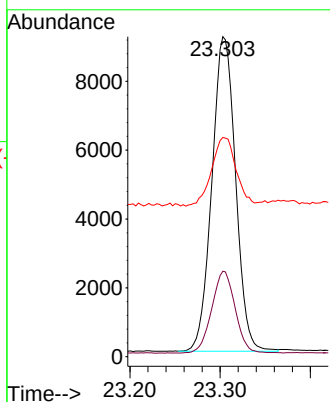
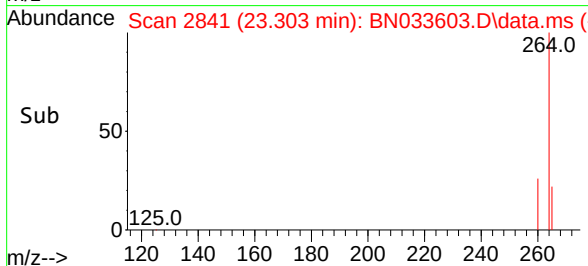
Instrument : BNA_N
 ClientSampleId : S-929-K1-SO-0.5-1-082024



Tgt Ion:264 Resp: 16670
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.8 31.2
 265 68.5 52.2 78.2

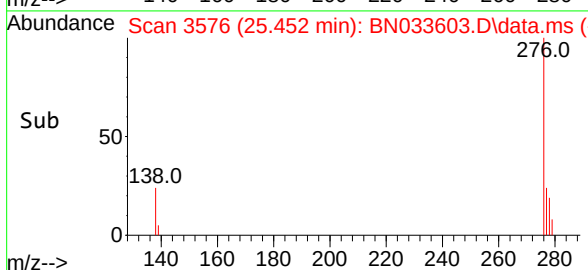
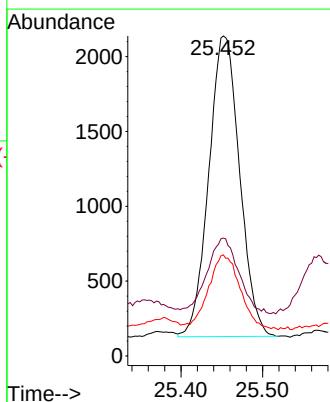
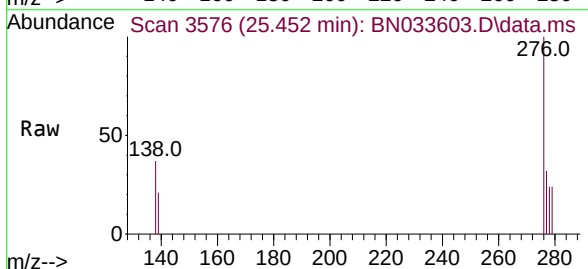
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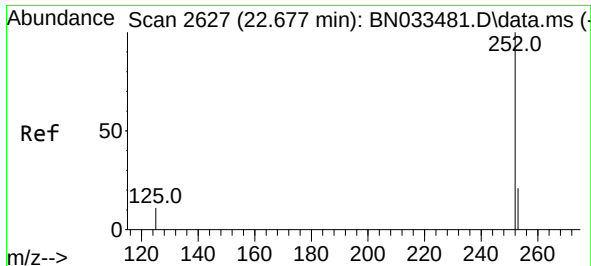
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.076 ng
 RT: 25.452 min Scan# 3576
 Delta R.T. 0.003 min
 Lab File: BN033603.D
 Acq: 23 Aug 2024 23:55

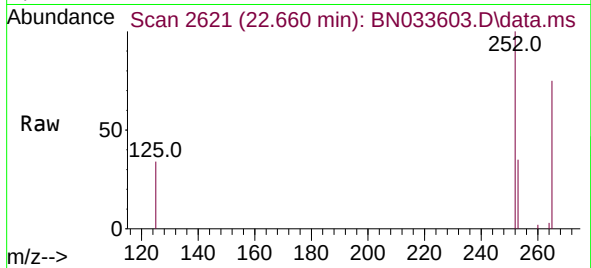
Tgt Ion:276 Resp: 5263
 Ion Ratio Lower Upper
 276 100
 138 26.0 24.4 36.6
 277 25.6 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.181 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

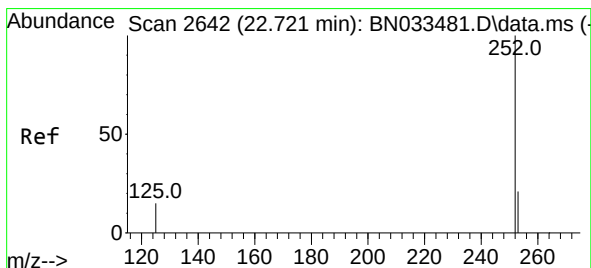
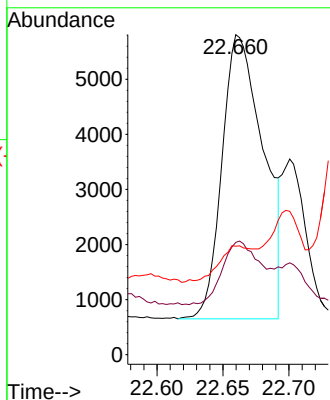
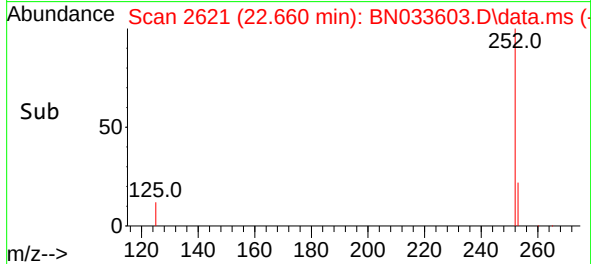
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion:252 Resp: 1125
Ion Ratio Lower Upper
252 100
253 35.1 19.8 29.8#
125 33.9 13.9 20.9#

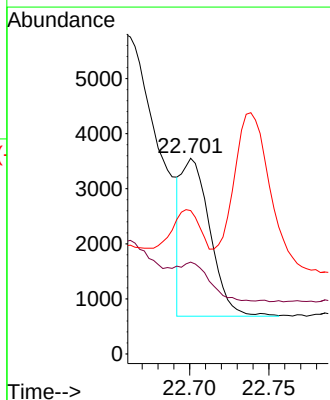
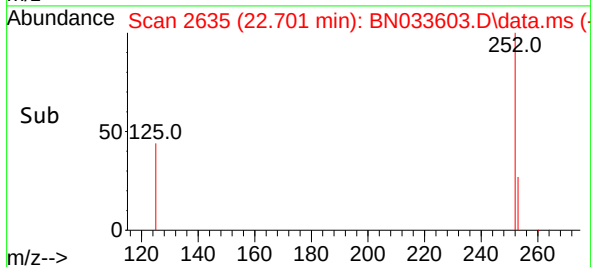
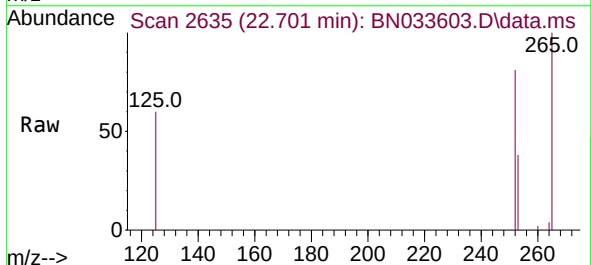
Manual Integrations
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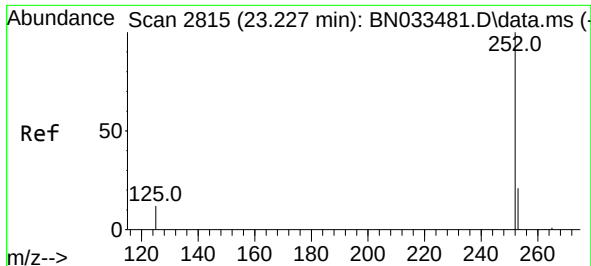
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#38
Benzo(k)fluoranthene
Concen: 0.059 ng m
RT: 22.701 min Scan# 2635
Delta R.T. -0.003 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

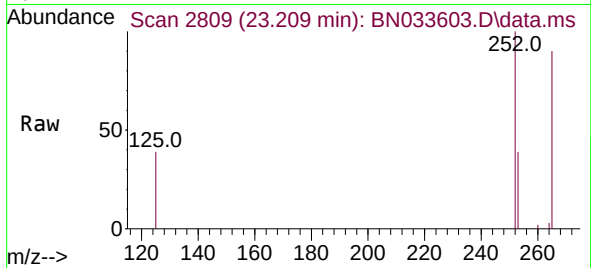
Tgt Ion:252 Resp: 3637
Ion Ratio Lower Upper
252 100
253 47.0 19.8 29.8#
125 73.3 15.8 23.8#





#39
Benzo(a)pyrene
Concen: 0.138 ng
RT: 23.209 min Scan# 2809
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

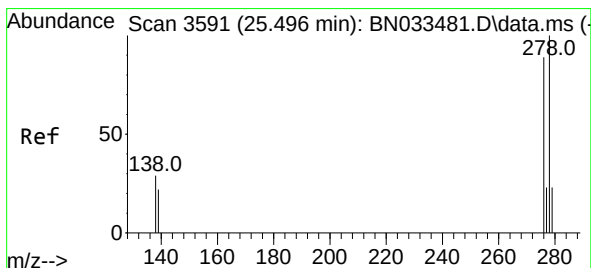
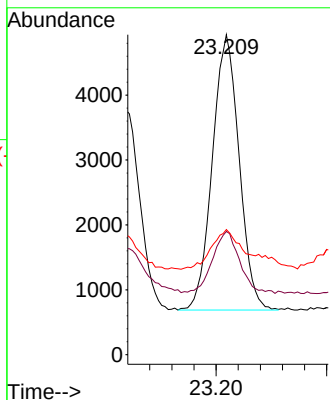
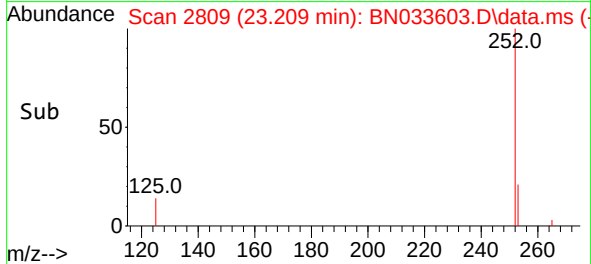
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion:252 Resp: 7128
Ion Ratio Lower Upper
252 100
253 38.5 21.5 32.3#
125 39.1 17.0 25.4#

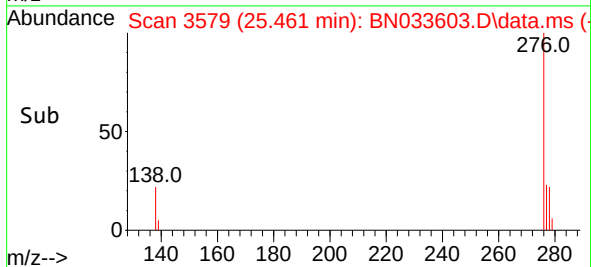
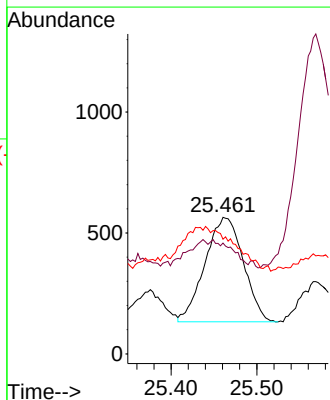
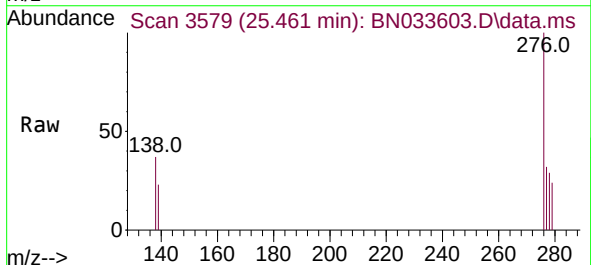
Manual Integrations
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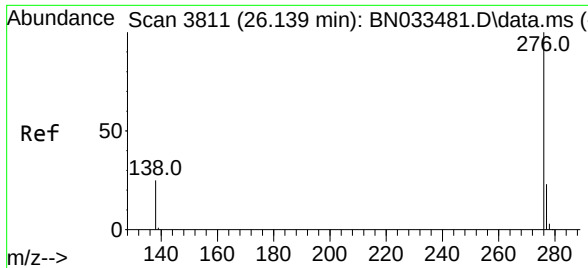
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.024 ng
RT: 25.461 min Scan# 3579
Delta R.T. -0.009 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

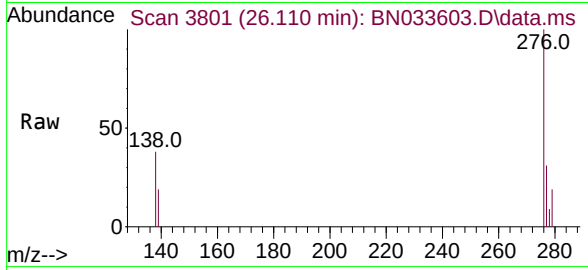
Tgt Ion:278 Resp: 1342
Ion Ratio Lower Upper
278 100
139 81.1 19.1 28.7#
279 83.9 21.0 31.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.088 ng
 RT: 26.110 min Scan# 3811
 Delta R.T. 0.006 min
 Lab File: BN033603.D
 Acq: 23 Aug 2024 23:55

Instrument : BNA_N
 ClientSampleId : S-929-K1-SO-0.5-1-082024



Tgt Ion: 276 Resp: 5220

Ion	Ratio	Lower	Upper
276	100		
277	31.2	19.7	29.5
138	38.2	21.8	32.6

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APPROVED
 Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

