

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033610.D
 Acq On : 24 Aug 2024 04:08
 Operator : MA/JU
 Sample : P3671-12DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924DL

Quant Time: Aug 24 04:40:54 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 :Jagrut Upadhyay 08/26/2024
 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	7890	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20855	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10027	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19250	0.400	ng	0.00
29) Chrysene-d12	21.139	240	16100	0.400	ng	0.00
35) Perylene-d12	23.300	264	17643	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	408	0.016	ng	0.00
5) Phenol-d6	6.736	99	488	0.016	ng	0.00
8) Nitrobenzene-d5	8.681	82	360	0.021	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	518	0.017	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	109	0.020	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	699	0.017	ng	0.00
27) Fluoranthene-d10	18.970	212	772	0.017	ng	0.00
31) Terphenyl-d14	19.583	244	559	0.015	ng	0.00
Target Compounds						Qvalue
17) Acenaphthene	14.242	154	2253	0.073	ng	99
18) Fluorene	15.236	166	2782	0.071	ng	98
25) Phenanthrene	16.967	178	62320	1.164	ng	100
26) Anthracene	17.066	178	9763	0.206	ng	# 96
28) Fluoranthene	19.003	202	130414	2.204	ng	100
30) Pyrene	19.365	202	105544	1.469	ng	# 94
32) Benzo(a)anthracene	21.121	228	51691	0.888	ng	98
33) Chrysene	21.175	228	55758	0.964	ng	97
34) Bis(2-ethylhexyl)phtha...	21.077	149	6941m	0.188	ng	
36) Indeno(1,2,3-cd)pyrene	25.446	276	37727	0.515	ng	94
37) Benzo(b)fluoranthene	22.660	252	77954	1.183	ng	98
38) Benzo(k)fluoranthene	22.698	252	25448m	0.392	ng	
39) Benzo(a)pyrene	23.206	252	51390	0.943	ng	94
40) Dibenzo(a,h)anthracene	25.458	278	8785	0.150	ng	# 79
41) Benzo(g,h,i)perylene	26.104	276	36974	0.590	ng	99

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

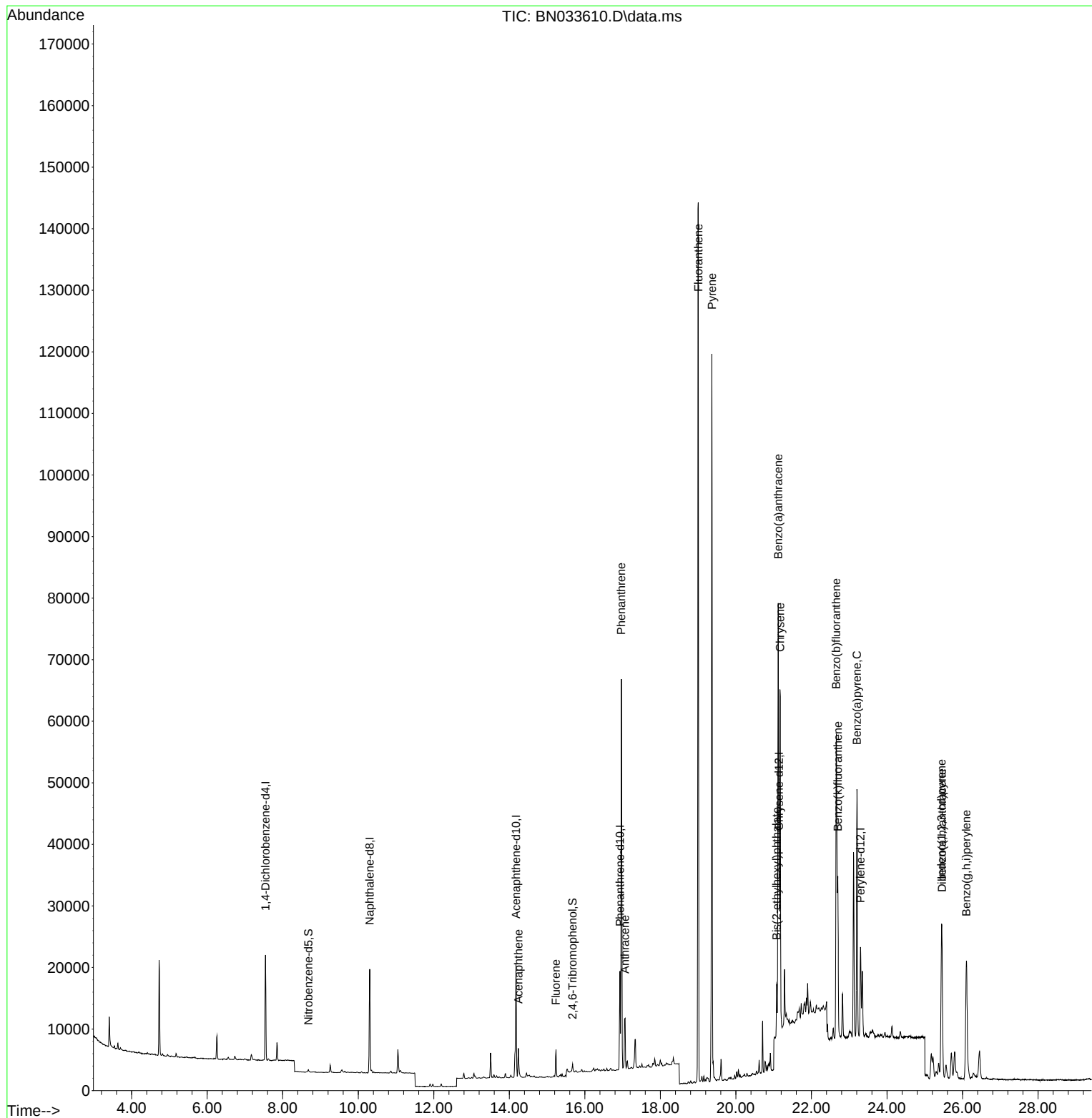
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033610.D
Acq On : 24 Aug 2024 04:08
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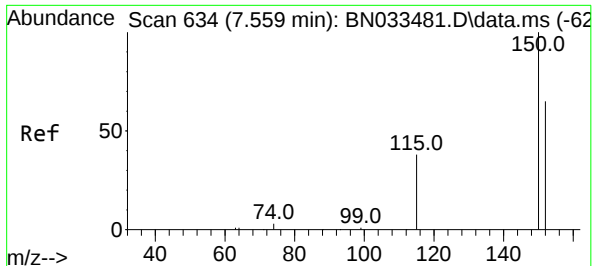
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S-903-J-SO-0.5-1.0-081924DL

Quant Time: Aug 24 04:40:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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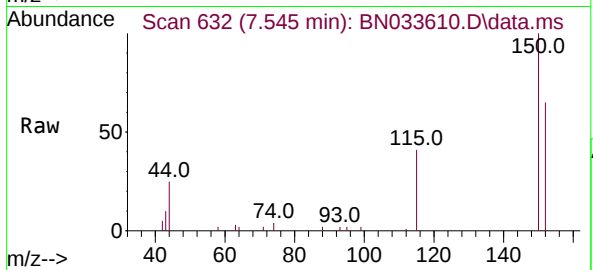
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

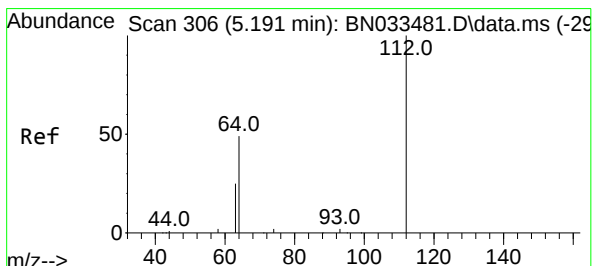
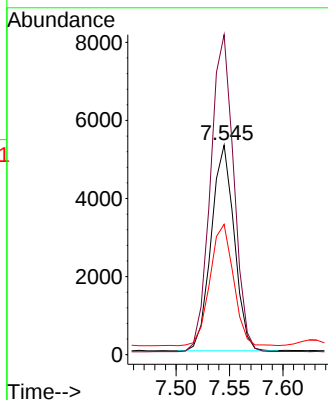
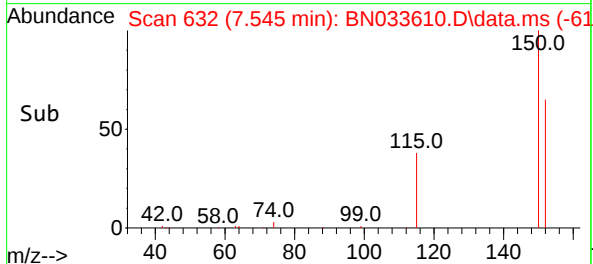
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:152 Resp: 7890
Ion Ratio Lower Upper
152 100
150 152.7 122.2 183.2
115 62.3 47.2 70.8

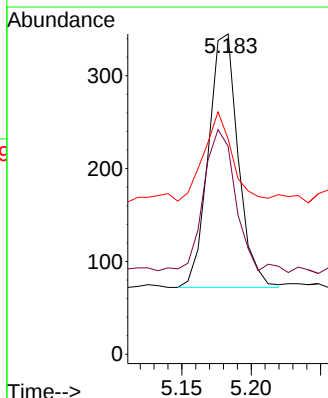
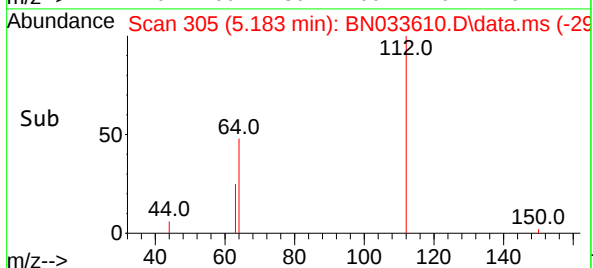
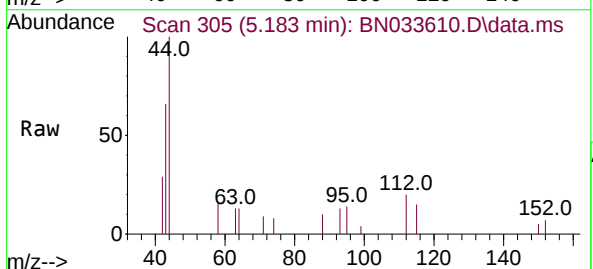
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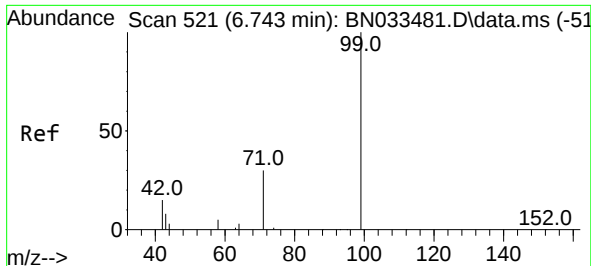
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

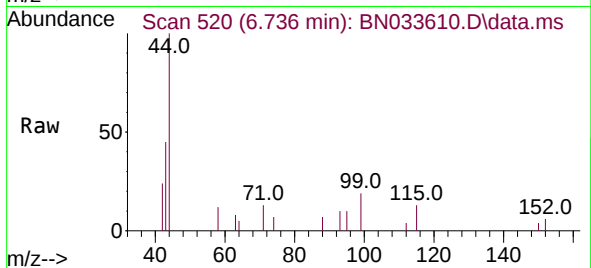
Tgt Ion:112 Resp: 408
Ion Ratio Lower Upper
112 100
64 61.8 47.1 70.7
63 32.8 24.9 37.3





#5
Phenol-d6
Concen: 0.016 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

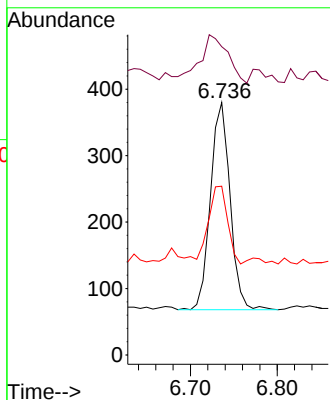
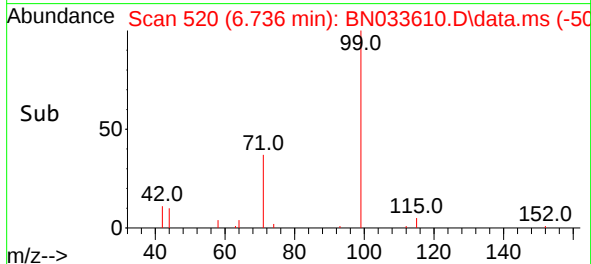
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



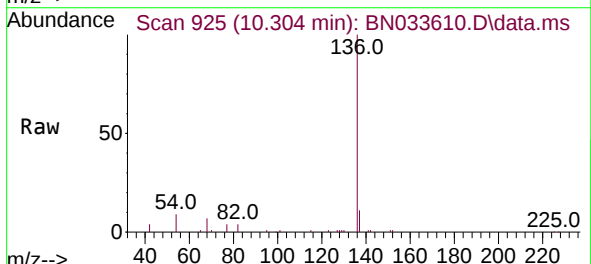
Tgt Ion: 99 Resp: 488
Ion Ratio Lower Upper
99 100
42 33.0 16.6 24.8
71 37.9 26.2 39.4

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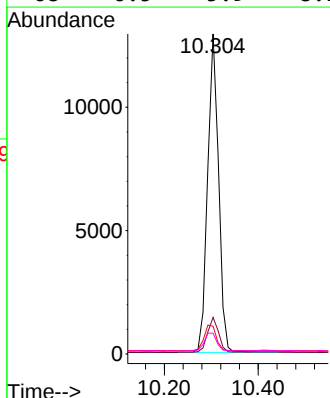
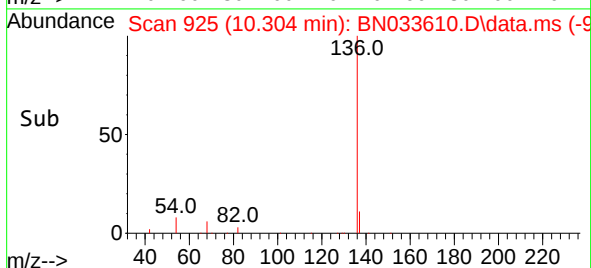
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08



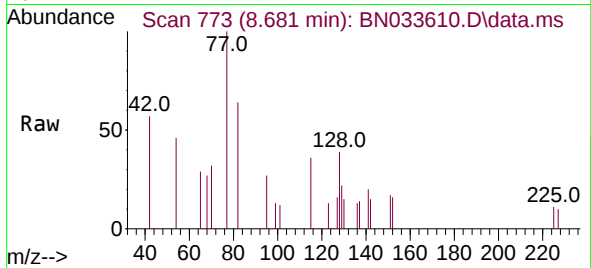
Tgt Ion:136 Resp: 20855
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 8.7 8.3 12.5
68 6.5 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.021 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

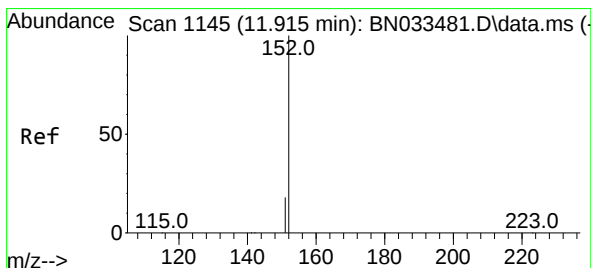
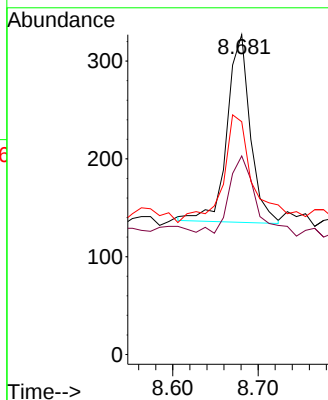
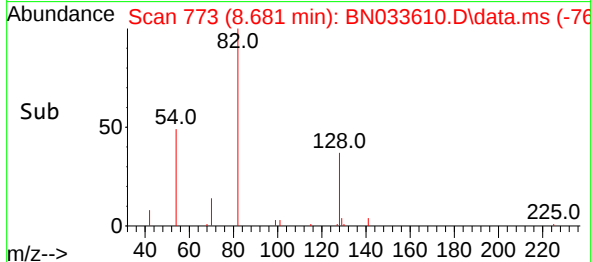
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion: 82 Resp: 360
Ion Ratio Lower Upper
82 100
128 62.1 36.0 54.0
54 72.8 42.0 63.0

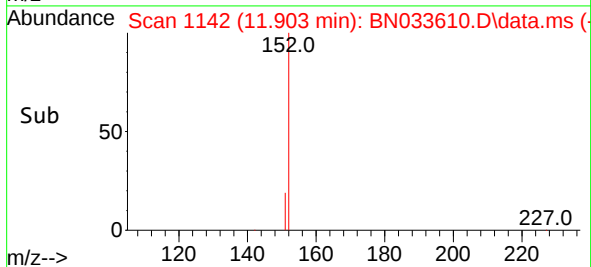
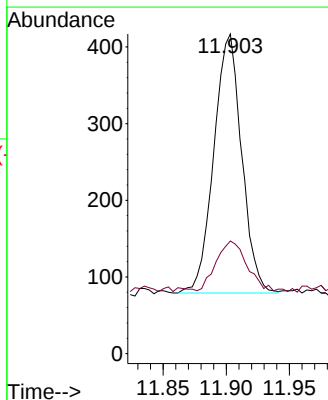
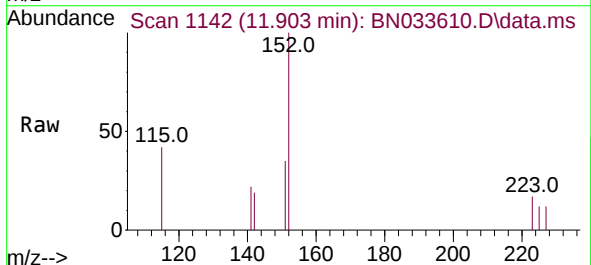
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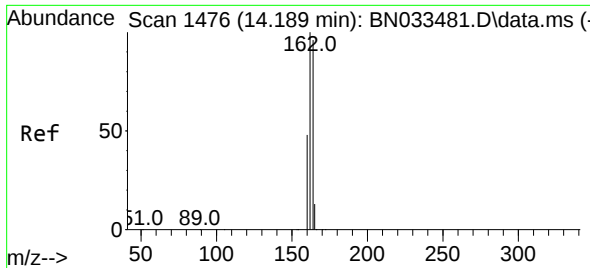
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#11
2-Methylnaphthalene-d10
Concen: 0.017 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

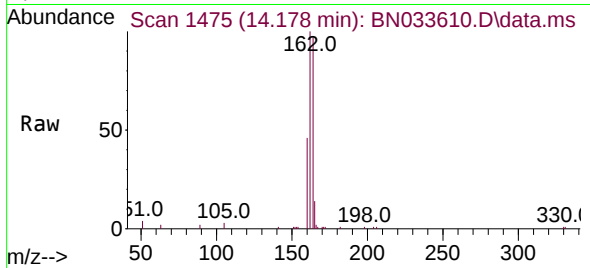
Tgt Ion:152 Resp: 518
Ion Ratio Lower Upper
152 100
151 21.8 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

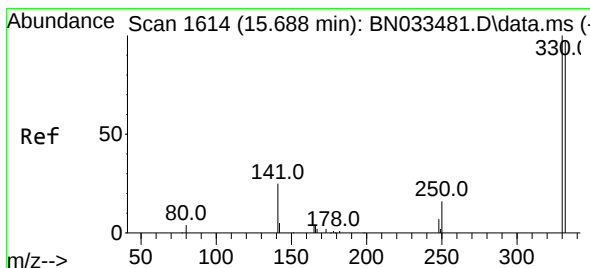
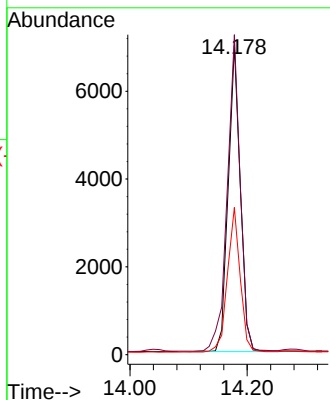
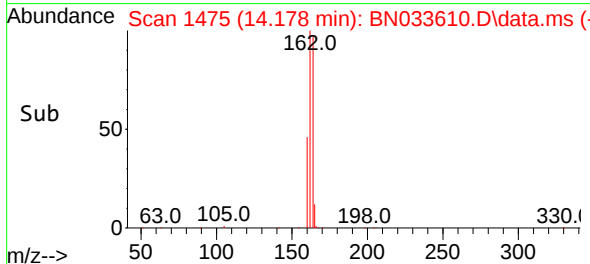
Instrument : BNA_N
ClientSampleId : S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:164 Resp: 1002
Ion Ratio Lower Upper
164 100
162 103.5 83.5 125.3
160 47.6 40.2 60.4

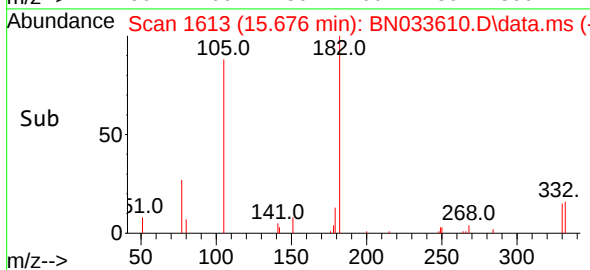
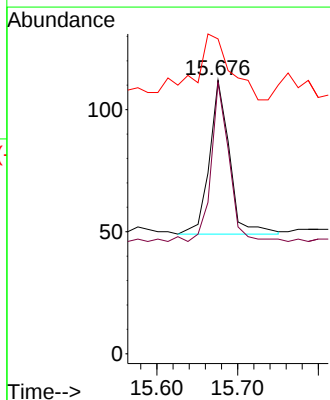
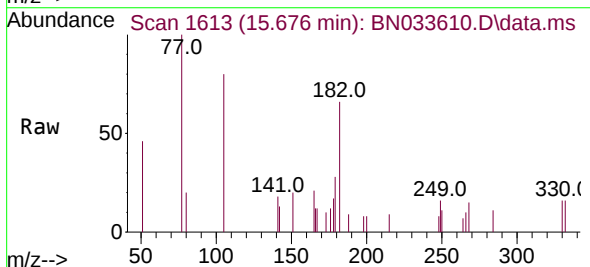
Manual Integrations
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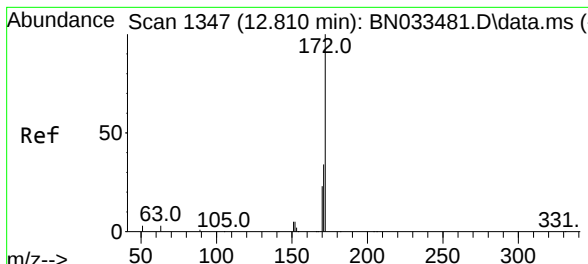
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.020 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

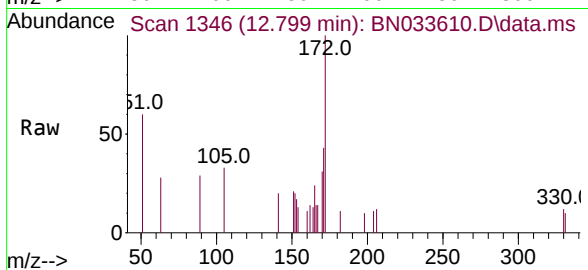
Tgt Ion:330 Resp: 109
Ion Ratio Lower Upper
330 100
332 92.7 77.5 116.3
141 77.1 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.017 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

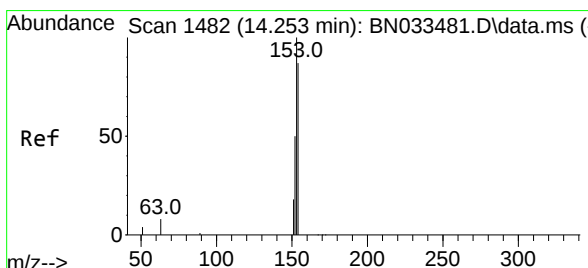
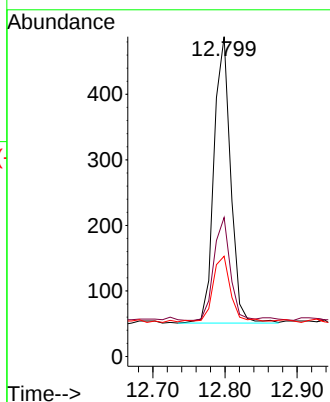
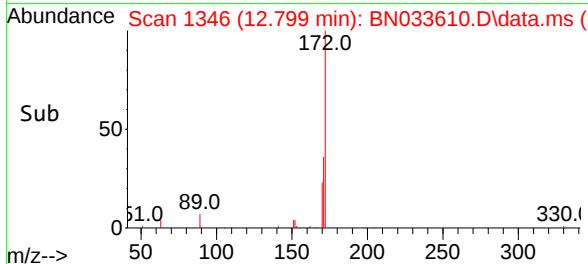
Instrument : BNA_N
ClientSampleId : S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:	172	Resp:	699
Ion Ratio	Lower	Upper	
172	100		
171	43.4	27.7	41.5
170	31.4	18.3	27.5

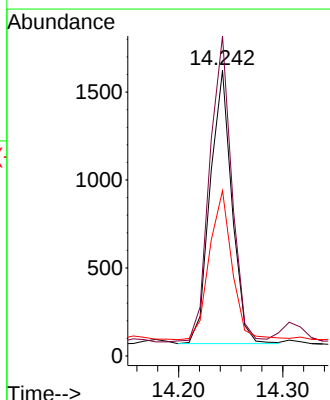
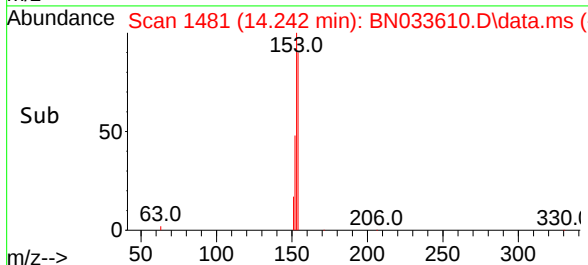
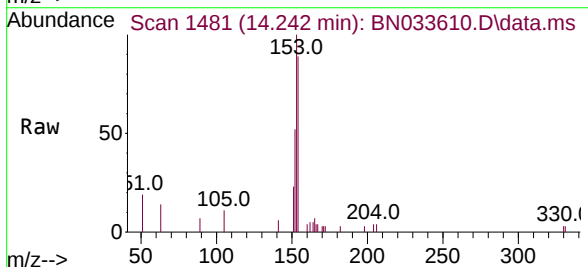
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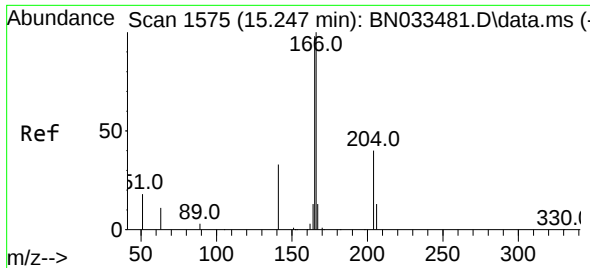
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#17
Acenaphthene
Concen: 0.073 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

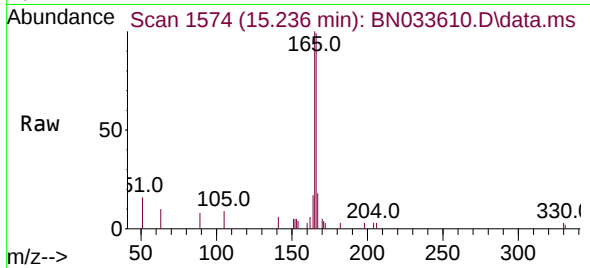
Tgt Ion:	154	Resp:	2253
Ion Ratio	Lower	Upper	
154	100		
153	113.5	89.0	133.6
152	56.6	45.2	67.8





#18
Fluorene
Concen: 0.071 ng
RT: 15.236 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

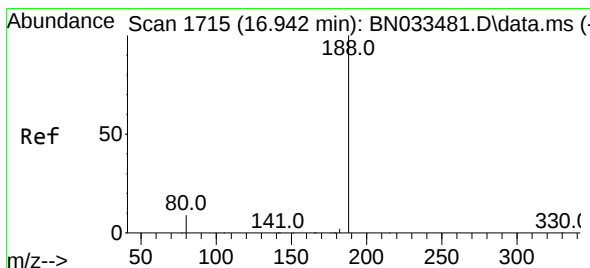
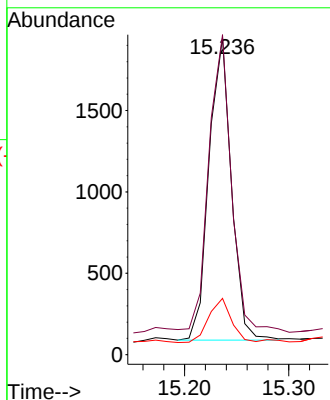
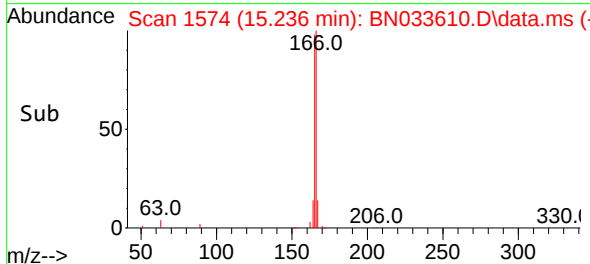
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:166 Resp: 278
Ion Ratio Lower Upper
166 100
165 99.1 78.2 117.4
167 14.8 10.6 16.0

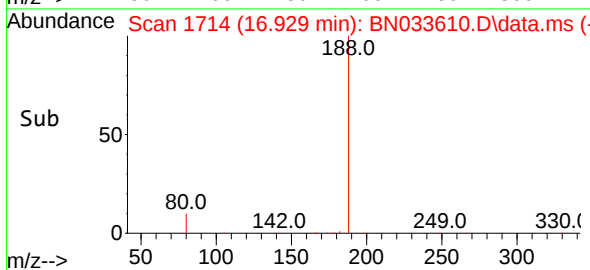
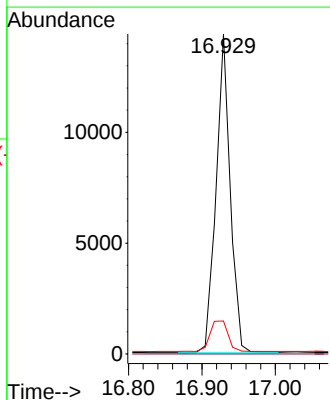
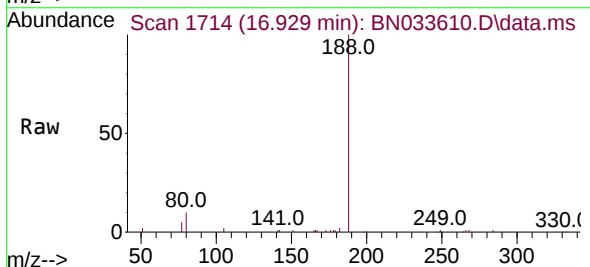
Manual Integrations
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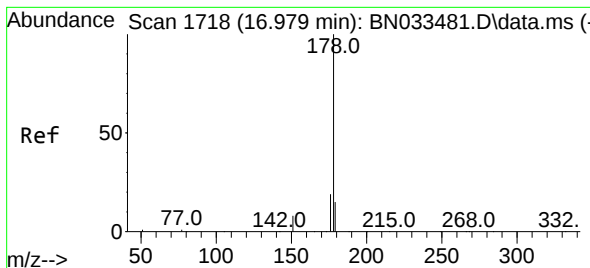
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:188 Resp: 19250
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 7.8 11.8





#25

Phenanthrene

Concen: 1.164 ng

RT: 16.967 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033610.D

Acq: 24 Aug 2024 04:08

Instrument :

BNA_N

ClientSampleId :

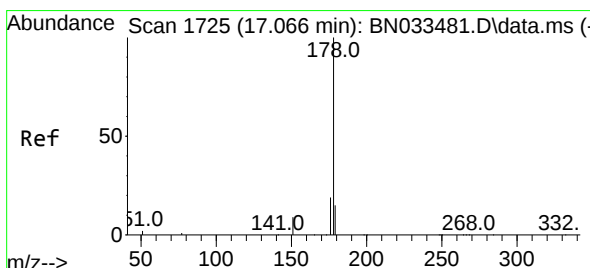
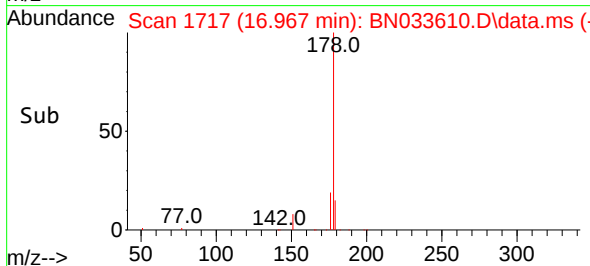
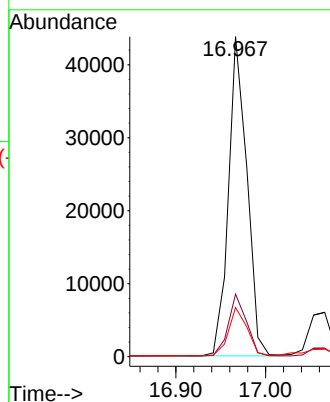
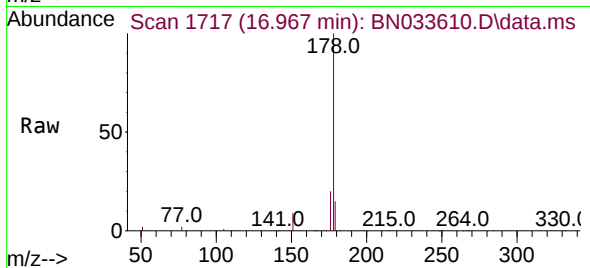
S-903-J-SO-0.5-1.0-081924DL

Tgt Ion:178 Resp: 62320
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 15.1 12.3 18.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/26/2024
 Supervised By :mohammad ahmed 08/29/2024



#26

Anthracene

Concen: 0.206 ng

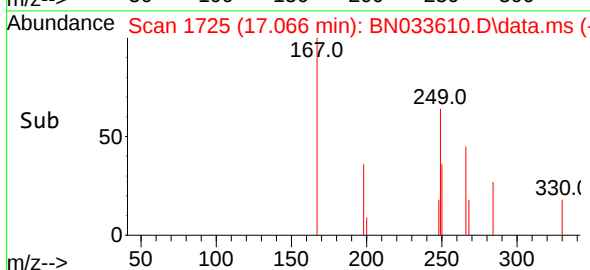
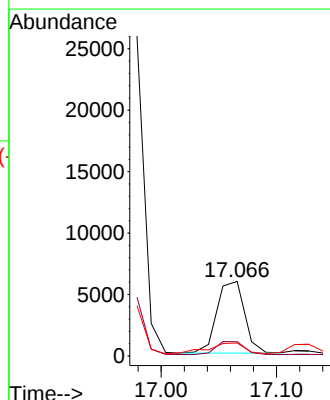
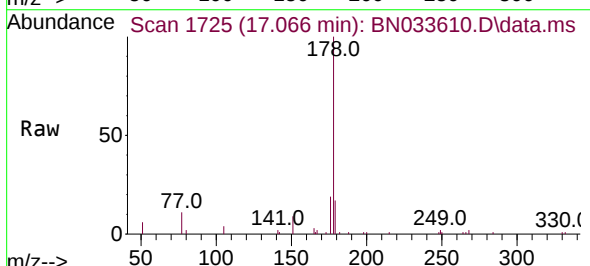
RT: 17.066 min Scan# 1725

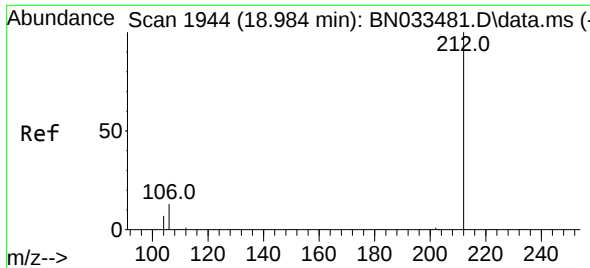
Delta R.T. -0.000 min

Lab File: BN033610.D

Acq: 24 Aug 2024 04:08

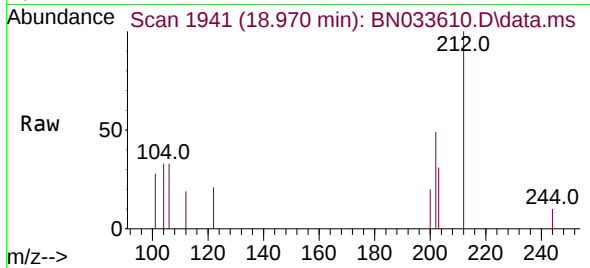
Tgt Ion:178 Resp: 9763
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.6
 179 19.3 12.4 18.6#





#27
Fluoranthene-d10
Concen: 0.017 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

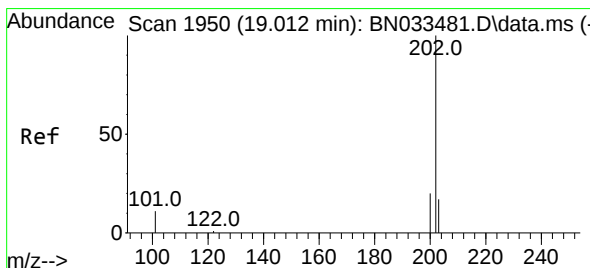
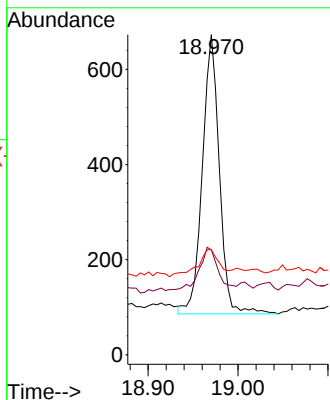
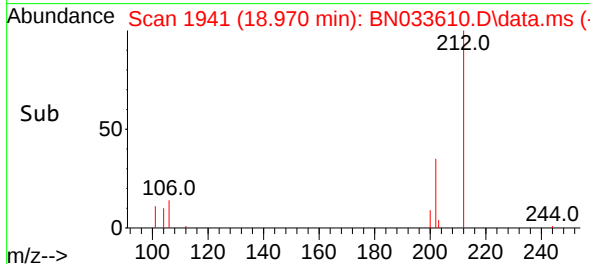
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:212 Resp: 772
Ion Ratio Lower Upper
212 100
106 18.3 12.3 18.5
104 12.4 7.0 10.4

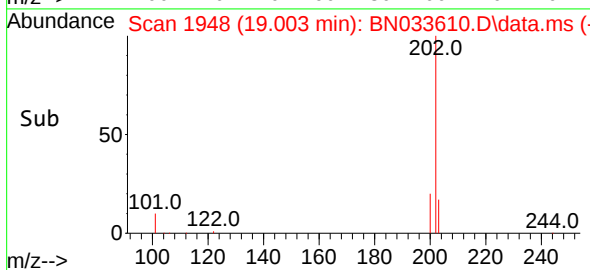
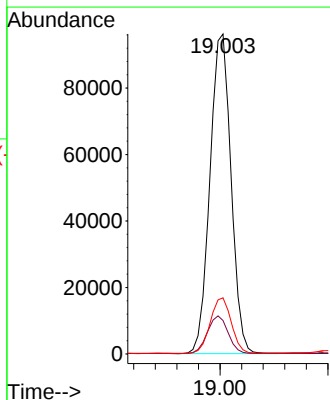
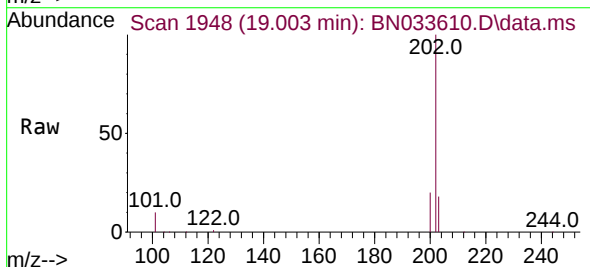
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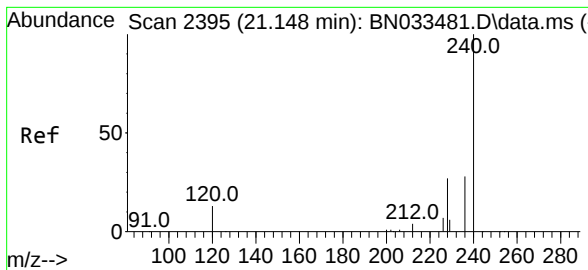
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#28
Fluoranthene
Concen: 2.204 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

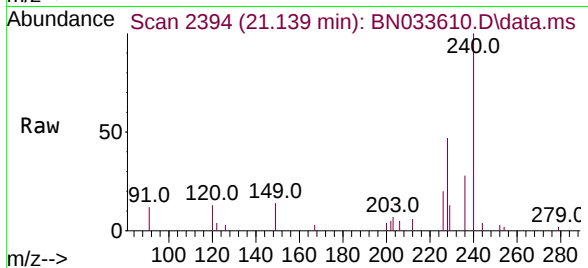
Tgt Ion:202 Resp: 130414
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.3 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

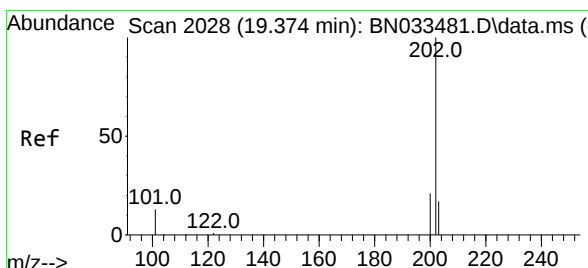
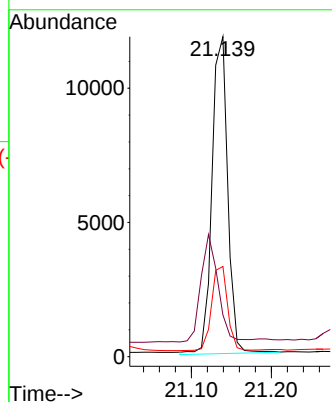
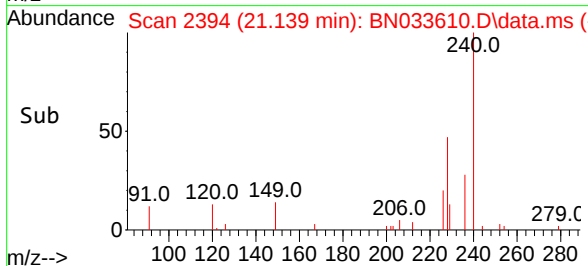
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



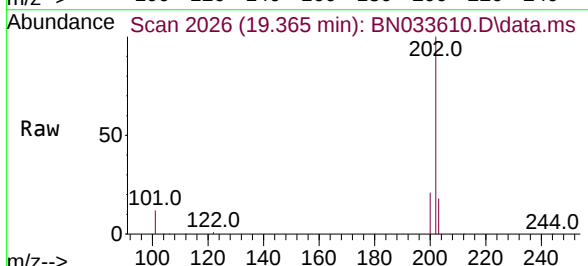
Tgt Ion:240 Resp: 16100
Ion Ratio Lower Upper
240 100
120 13.0 12.4 18.6
236 28.2 23.0 34.6

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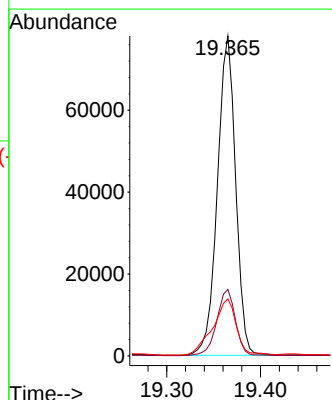
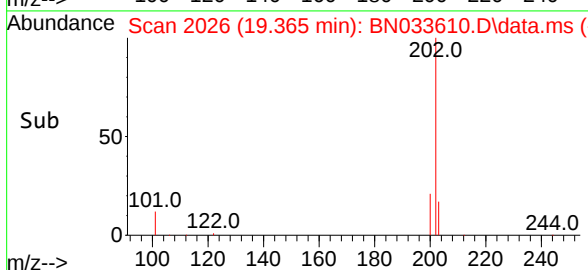
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024

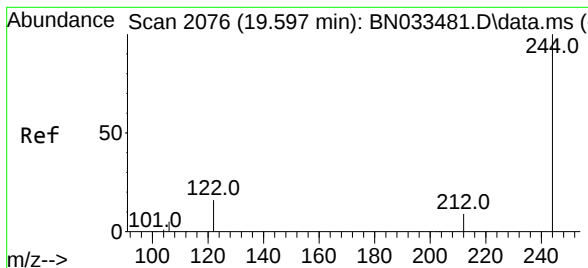


#30
Pyrene
Concen: 1.469 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08



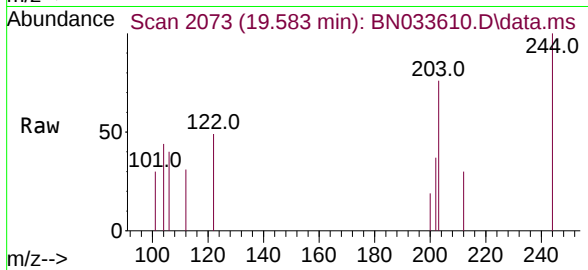
Tgt Ion:202 Resp: 105544
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.6 14.2 21.4#





#31
Terphenyl-d14
Concen: 0.015 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

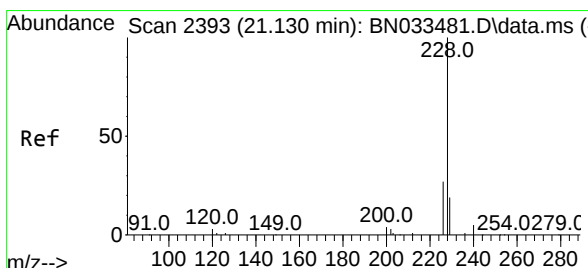
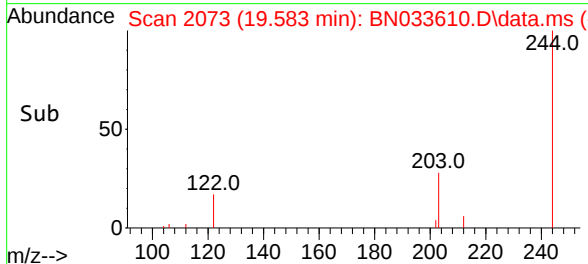
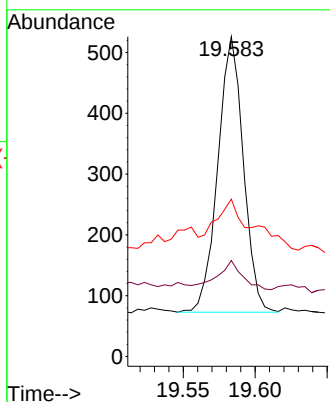
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:244 Resp: 559
Ion Ratio Lower Upper
244 100
212 30.0 7.8 11.6
122 49.2 13.3 19.9

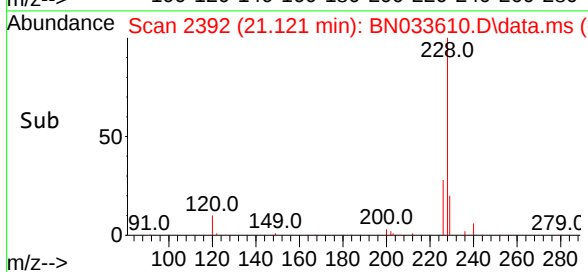
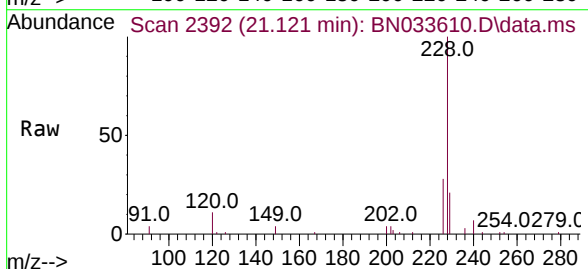
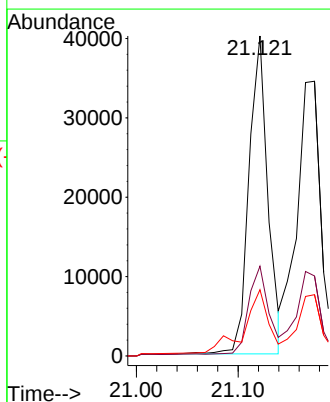
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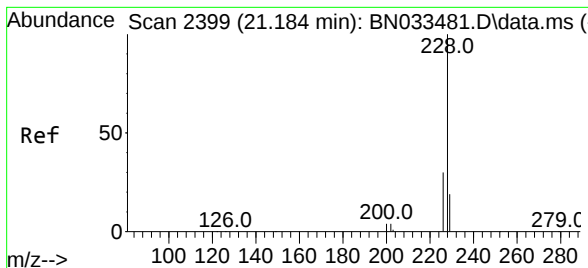
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#32
Benzo(a)anthracene
Concen: 0.888 ng
RT: 21.121 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:228 Resp: 51691
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.6
229 20.7 15.8 23.6





#33

Chrysene

Concen: 0.964 ng

RT: 21.175 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033610.D

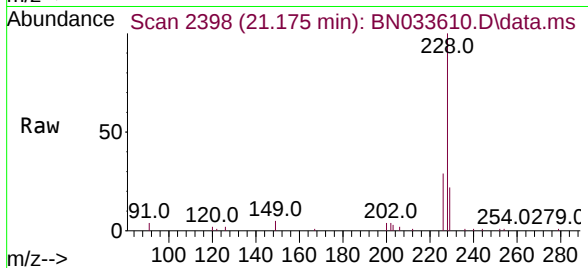
Acq: 24 Aug 2024 04:08

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:228 Resp: 5575

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.8

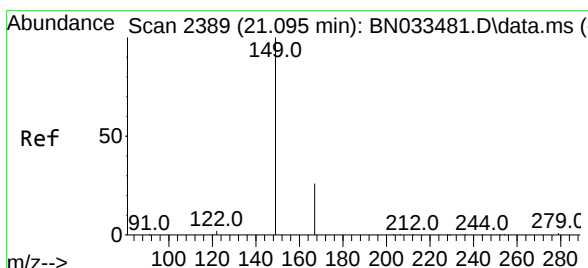
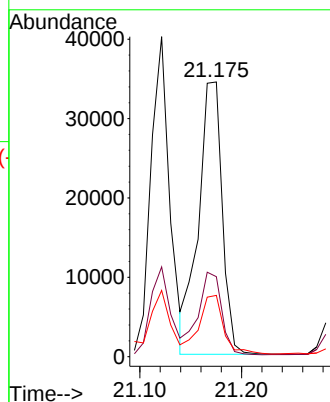
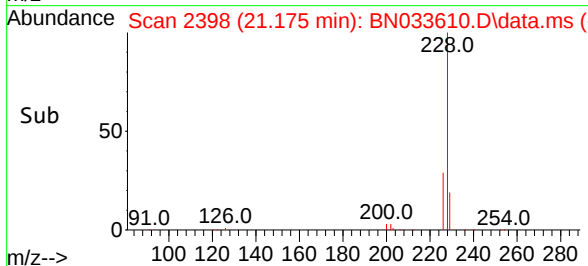
229 22.3 15.6 23.4

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Reviewed By :Jagrut Upadhyay 08/26/2024

Supervised By :mohammad ahmed 08/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.188 ng m

RT: 21.077 min Scan# 2387

Delta R.T. -0.009 min

Lab File: BN033610.D

Acq: 24 Aug 2024 04:08

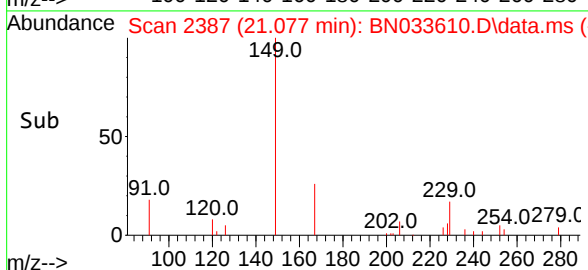
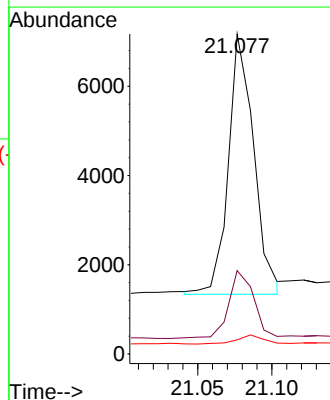
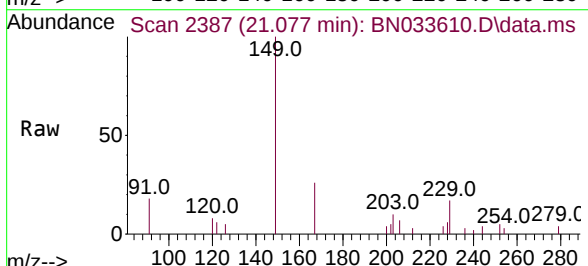
Tgt Ion:149 Resp: 6941

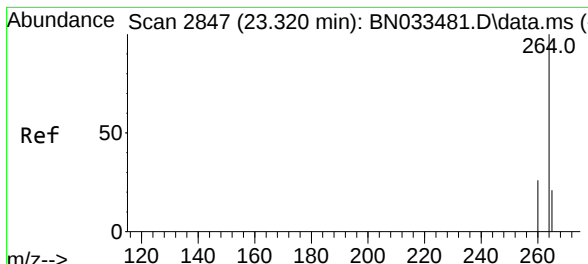
Ion Ratio Lower Upper

149 100

167 33.5 21.5 32.3#

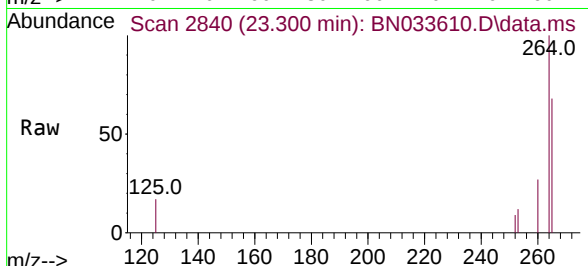
279 5.5 2.2 3.2#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL

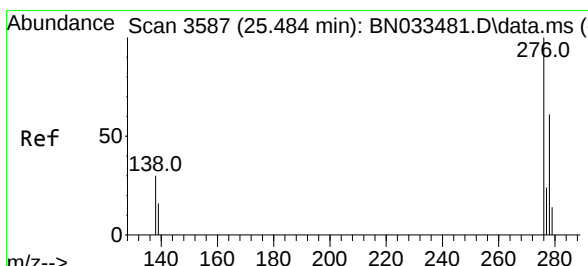
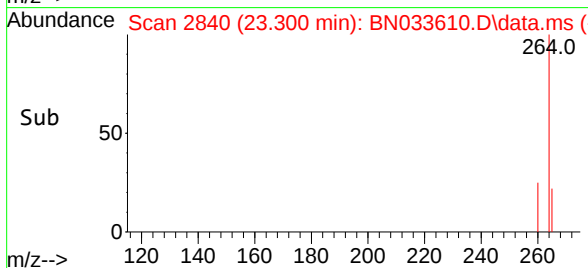
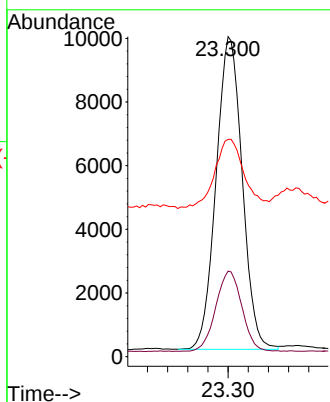


Tgt Ion:264 Resp: 1764

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.8	31.2
265	67.9	52.2	78.2

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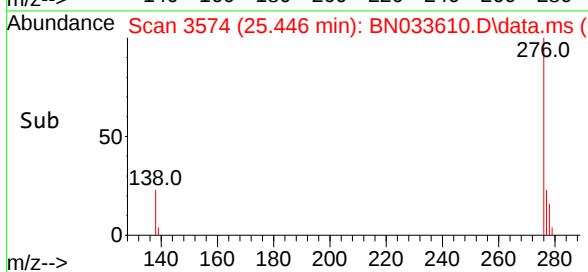
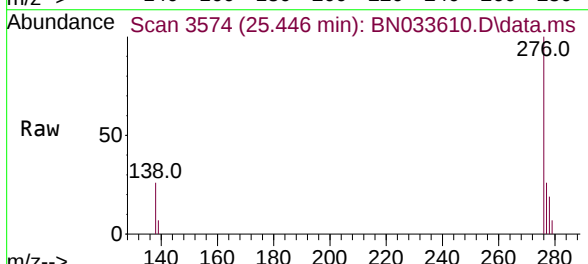
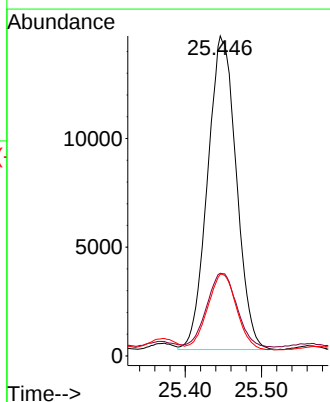
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024

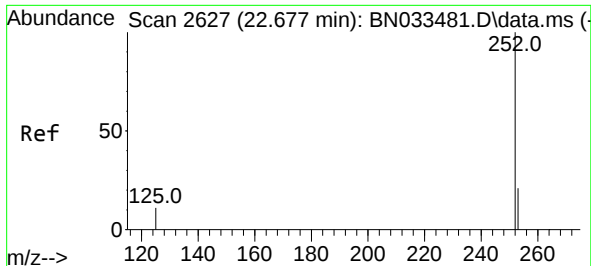


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.515 ng
RT: 25.446 min Scan# 3574
Delta R.T. -0.003 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:276 Resp: 37727

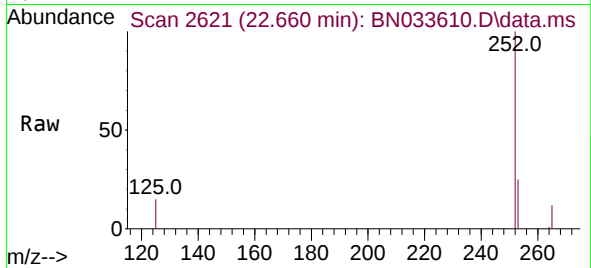
Ion	Ratio	Lower	Upper
276	100		
138	24.6	24.4	36.6
277	24.3	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 1.183 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

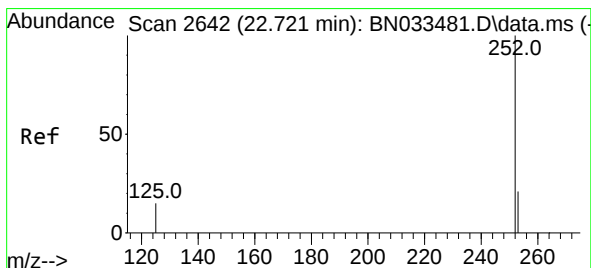
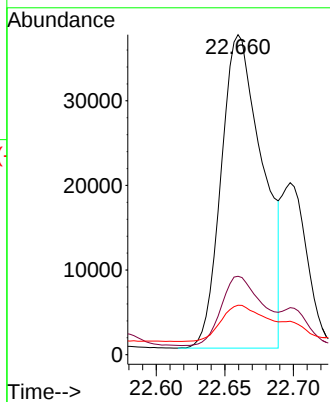
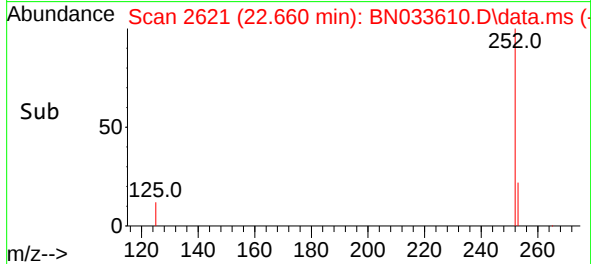
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:252 Resp: 77954
Ion Ratio Lower Upper
252 100
253 24.5 19.8 29.8
125 15.4 13.9 20.9

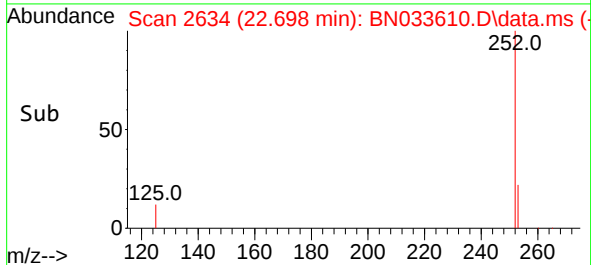
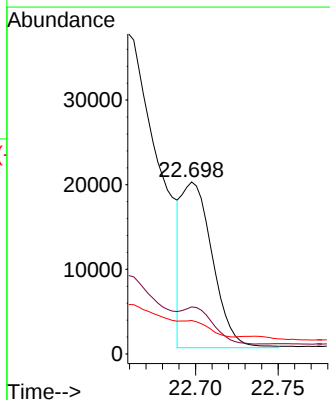
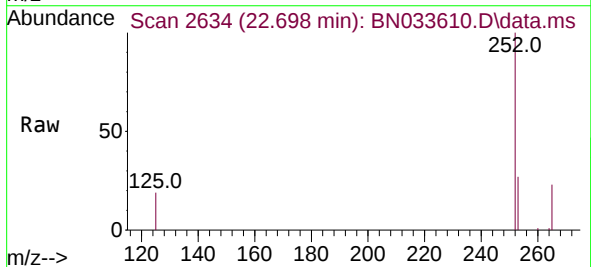
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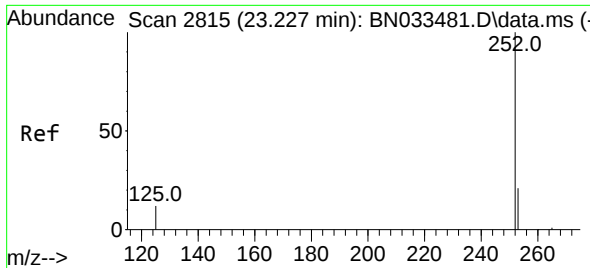
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#38
Benzo(k)fluoranthene
Concen: 0.392 ng m
RT: 22.698 min Scan# 2634
Delta R.T. -0.006 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

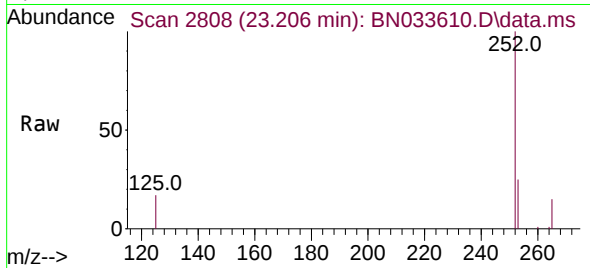
Tgt Ion:252 Resp: 25448
Ion Ratio Lower Upper
252 100
253 27.3 19.8 29.8
125 19.4 15.8 23.8





#39
Benzo(a)pyrene
Concen: 0.943 ng
RT: 23.206 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

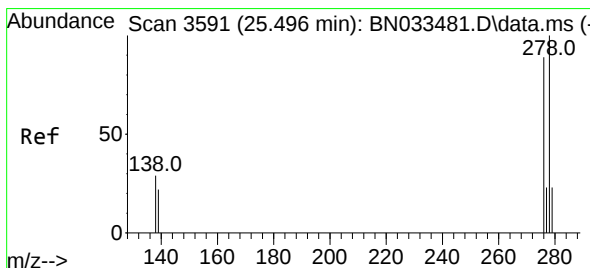
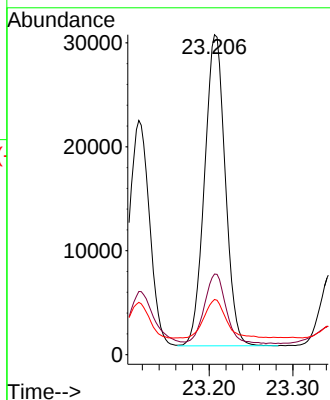
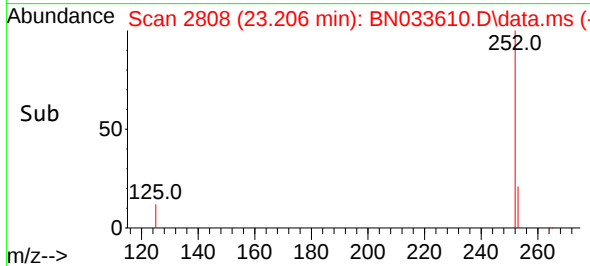
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:252 Resp: 51390
Ion Ratio Lower Upper
252 100
253 25.2 21.5 32.3
125 17.3 17.0 25.4

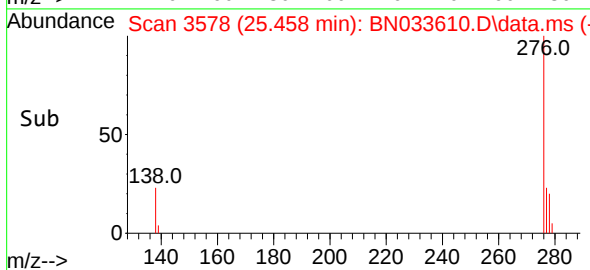
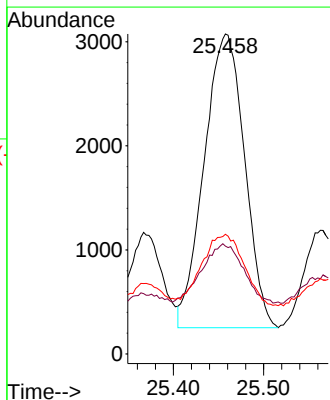
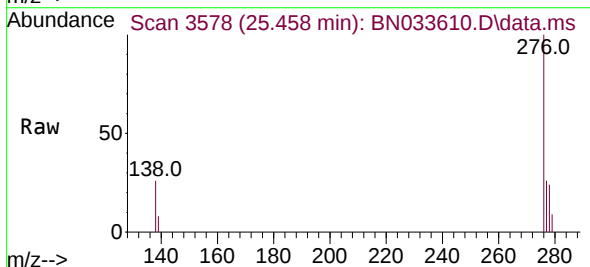
Manual Integrations
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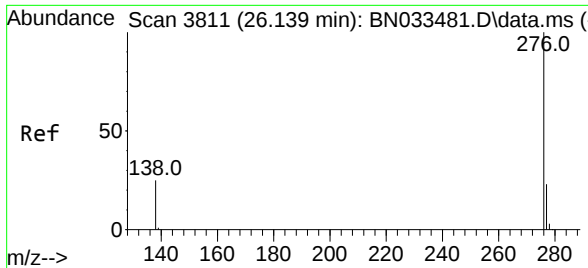
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.150 ng
RT: 25.458 min Scan# 3578
Delta R.T. -0.012 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

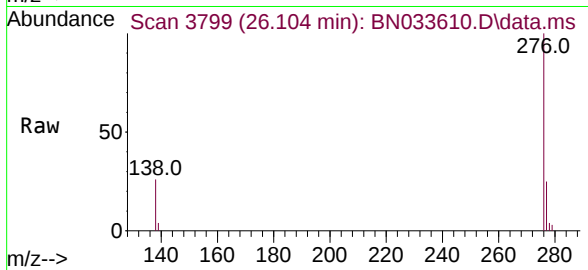
Tgt Ion:278 Resp: 8785
Ion Ratio Lower Upper
278 100
139 33.7 19.1 28.7#
279 37.4 21.0 31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.590 ng
RT: 26.104 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:276 Resp: 36974
Ion Ratio Lower Upper
276 100
277 25.0 19.7 29.5
138 26.3 21.8 32.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024

