

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100724\
 Data File : BN034452.D
 Acq On : 08 Oct 2024 00:09
 Operator : RC/JU
 Sample : P4131-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4EZ0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2024
 Supervised By :mohammad ahmed 10/09/2024

Quant Time: Oct 08 01:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 30 14:14:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	266653	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.134	136	1013953	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.033	164	596080	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.786	188	1112588	20.000	ng/ul	-0.01
79) Chrysene-d12	21.021	240	1027560	20.000	ng/ul	-0.01
88) Perylene-d12	23.733	264	1283431	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.999	96	9935	1.520	ng/uL	0.00
4) Pyridine-d5	3.404	84	10301m	0.530	ng/ul	0.02
7) Phenol-d5	6.581	99	158385	6.693	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.734	67	98637	6.718	ng/ul	0.00
11) 2-Chlorophenol-d4	6.916	132	147617	7.924	ng/ul	-0.01
15) 4-Methylphenol-d8	8.098	113	106362	5.462	ng/ul	0.00
21) Nitrobenzene-d5	8.522	128	66347	8.209	ng/ul	0.00
24) 2-Nitrophenol-d4	9.234	143	71693	8.627	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.769	165	126852	8.105	ng/ul	0.00
31) 4-Chloroaniline-d4	10.286	131	51019m	2.153	ng/ul	0.00
46) Dimethylphthalate-d6	13.457	166	375869	8.438	ng/ul	-0.01
49) Acenaphthylene-d8	13.716	160	421536	8.411	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.274	143	29035m	3.176	ng/ul	0.00
60) Fluorene-d10	15.033	176	322550	8.544	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.169	200	23963	3.612	ng/ul	0.00
73) Anthracene-d10	16.886	188	452608	8.653	ng/ul	-0.01
81) Pyrene-d10	19.198	212	410477	7.170	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.550	264	315618	4.787	ng/ul	0.00
Target Compounds						
72) Phenanthrene	16.827	178	241282	3.933	ng/ul	99
80) Fluoranthene	18.862	202	700007	10.458	ng/ul	98
82) Pyrene	19.227	202	427105	5.936	ng/ul	97
85) Benzo(a)anthracene	21.009	228	302765m	4.133	ng/ul	
86) Bis(2-ethylhexyl)phtha...	20.968	149	125366m	2.654	ng/ul	
87) Chrysene	21.062	228	398210	5.696	ng/ul	96
90) Benzo(b)fluoranthene	22.886	252	651464	8.325	ng/ul	100
91) Benzo(k)fluoranthene	22.939	252	191334	2.479	ng/ul	96
93) Benzo(a)pyrene	23.603	252	161250	2.181	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	26.721	276	197356	2.155	ng/ul#	90
95) Dibenzo(a,h)anthracene	26.768	278	79833m	1.078	ng/ul	

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

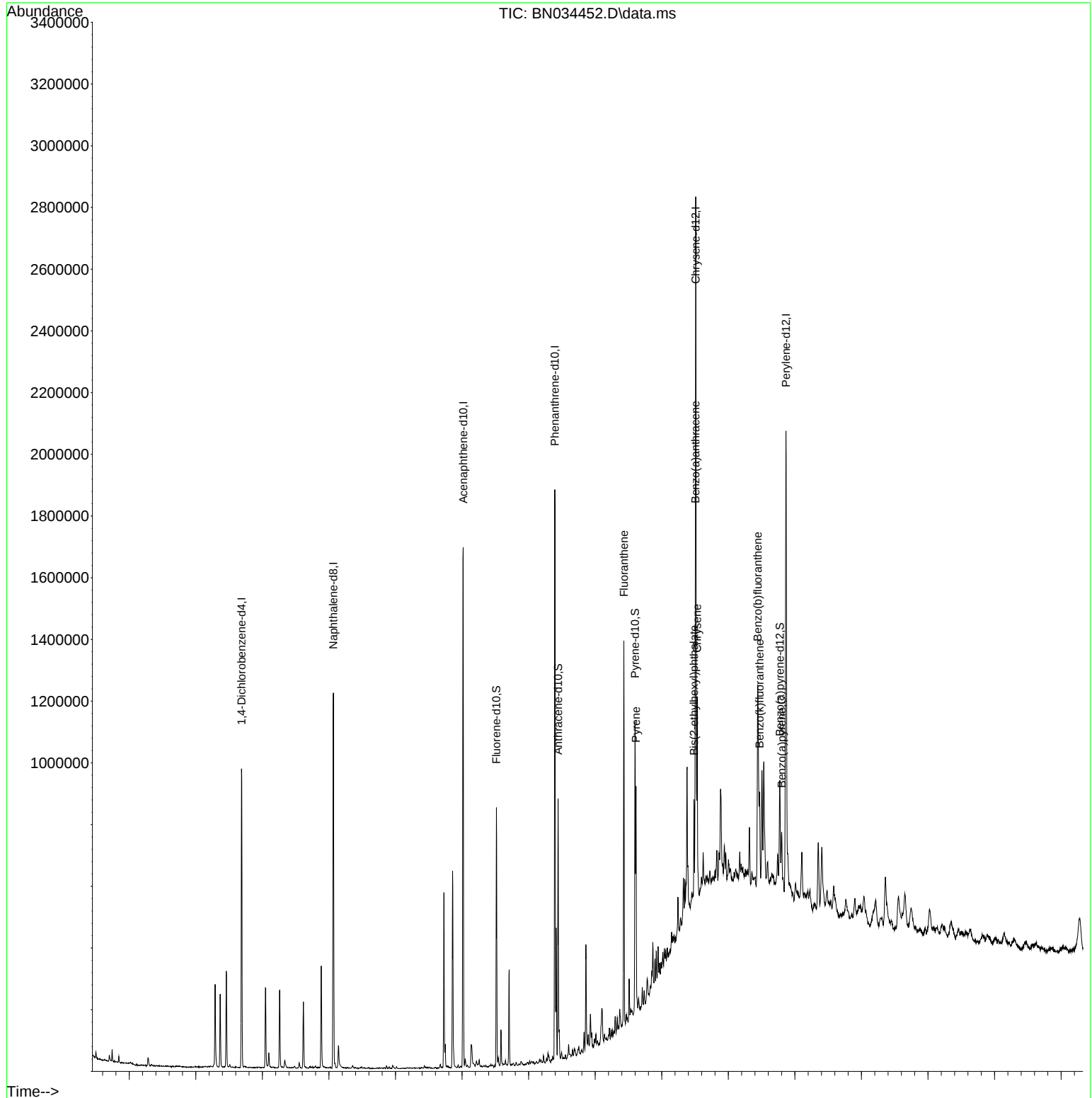
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100724\
Data File : BN034452.D
Acq On : 08 Oct 2024 00:09
Operator : RC/JU
Sample : P4131-16
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ALS Vial : 20 Sample Multiplier: 1

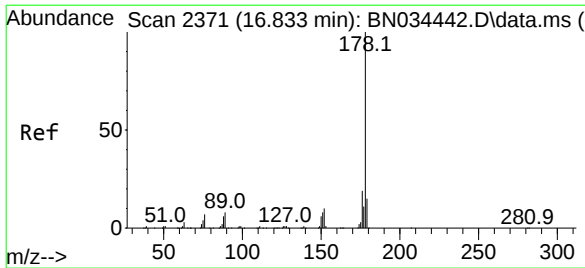
Instrument :
BNA_N
ClientSampleId :
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Quant Title : SVOA CALIBRATION
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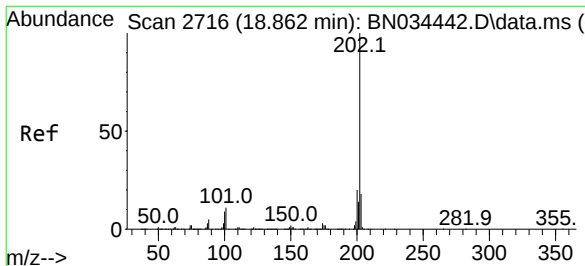
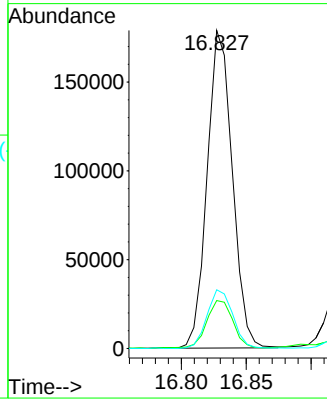
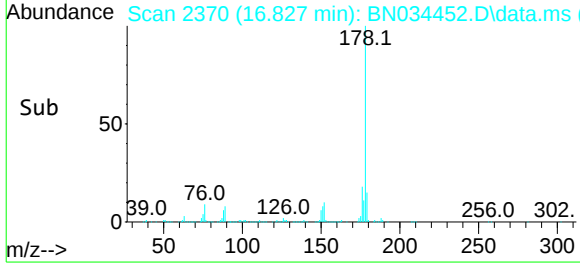
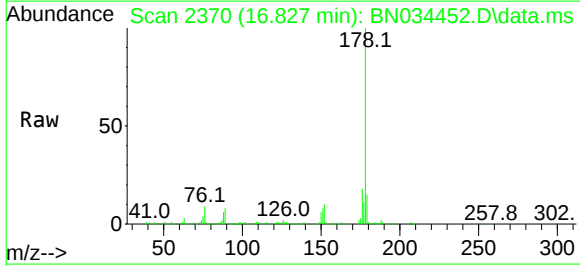
#72
Phenanthrene
Concen: 3.933 ng/u1
RT: 16.827 min Scan# 2371
Delta R.T. -0.012 min
Lab File: BN034452.D
Acq: 08 Oct 2024 00:09

Instrument : BNA_N
ClientSampleId : A4EZ0

Tgt Ion:	178	Resp:	241282
Ion Ratio	Lower	Upper	
178	100		
179	15.1	11.9	17.9
176	18.5	15.2	22.8

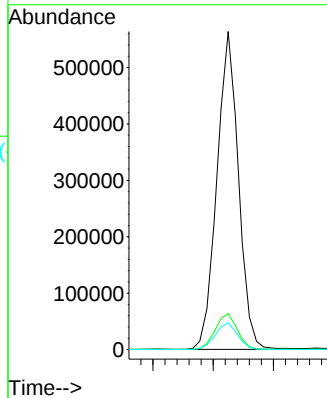
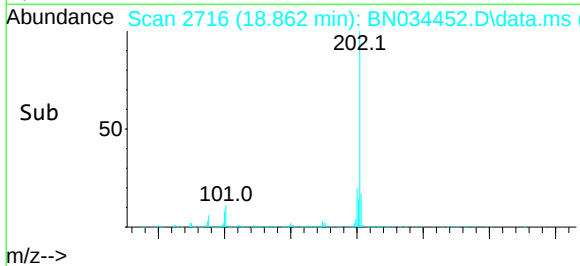
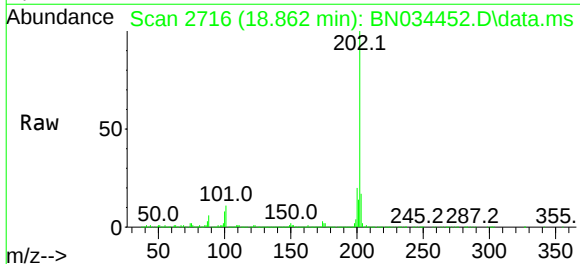
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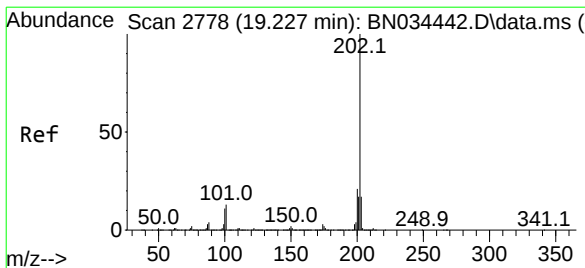
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :mohammad ahmed 10/09/2024



#80
Fluoranthene
Concen: 10.458 ng/u1
RT: 18.862 min Scan# 2716
Delta R.T. -0.006 min
Lab File: BN034452.D
Acq: 08 Oct 2024 00:09

Tgt Ion:	202	Resp:	700007
Ion Ratio	Lower	Upper	
202	100		
101	11.3	9.6	14.4
100	8.5	7.7	11.5





#82

Pyrene

Concen: 5.936 ng/u1

RT: 19.227 min Scan# 2778

Delta R.T. -0.012 min

Lab File: BN034452.D

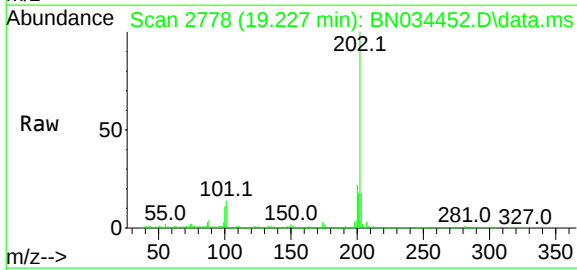
Acq: 08 Oct 2024 00:09

Instrument :

BNA_N

ClientSampleId :

A4EZ0



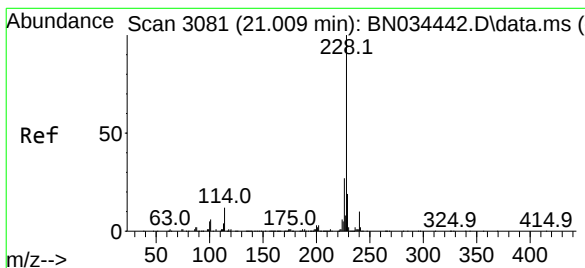
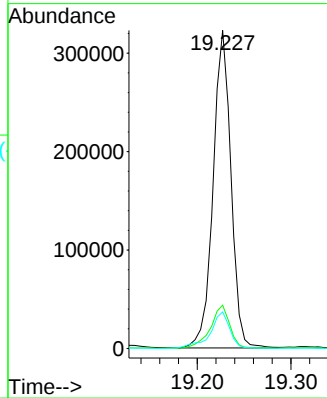
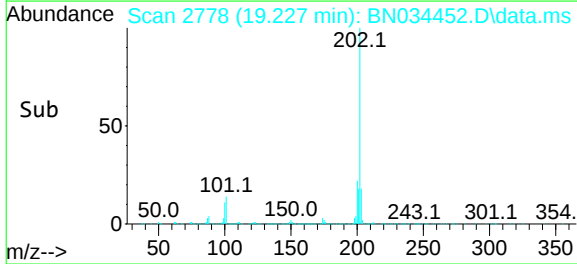
Tgt Ion:	202	Resp:	427105
Ion Ratio	Lower	Upper	
202	100		
101	13.6	11.8	17.8
100	11.5	10.0	15.0

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#85

Benzo(a)anthracene

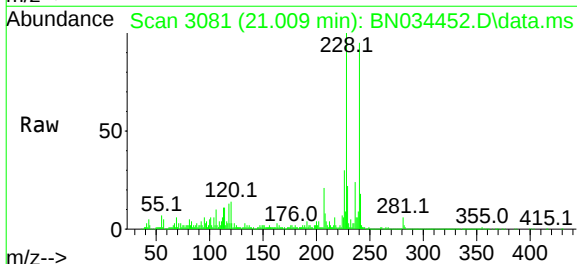
Concen: 4.133 ng/u1 m

RT: 21.009 min Scan# 3081

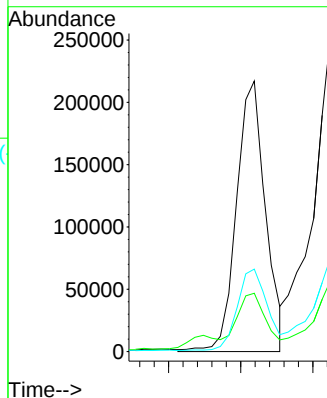
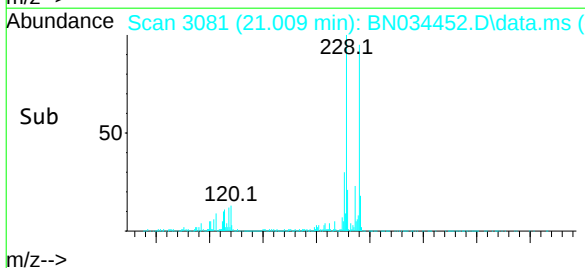
Delta R.T. -0.006 min

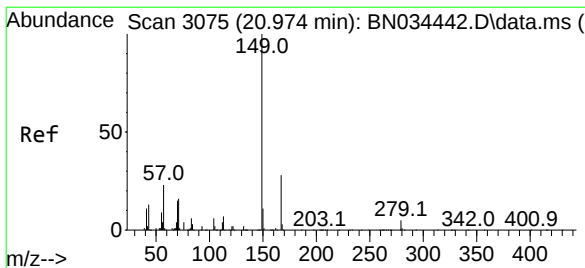
Lab File: BN034452.D

Acq: 08 Oct 2024 00:09



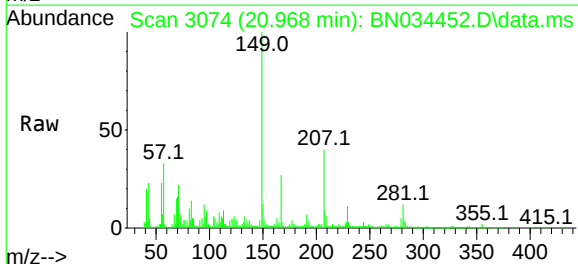
Tgt Ion:	228	Resp:	302765
Ion Ratio	Lower	Upper	
228	100		
229	21.6	15.0	22.6
226	30.5	20.2	30.4





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.654 ng/u1 m
RT: 20.968 min Scan# 3075
Delta R.T. -0.012 min
Lab File: BN034452.D
Acq: 08 Oct 2024 00:09

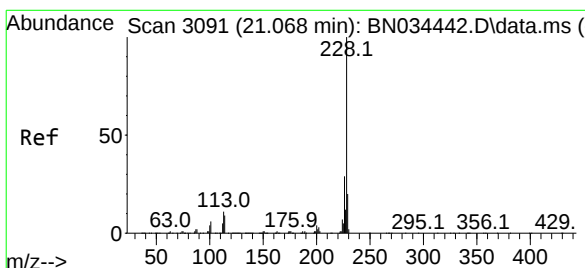
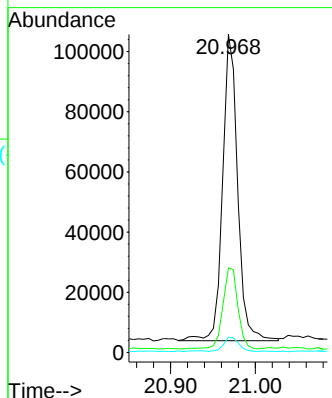
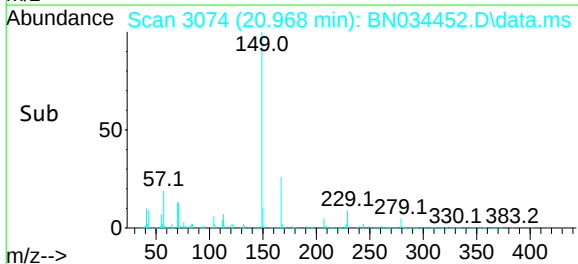
Instrument :
BNA_N
ClientSampleId :
A4EZ0



Tgt Ion:149 Resp: 125366
Ion Ratio Lower Upper
149 100
167 26.6 20.6 31.0
279 4.8 3.0 4.6#

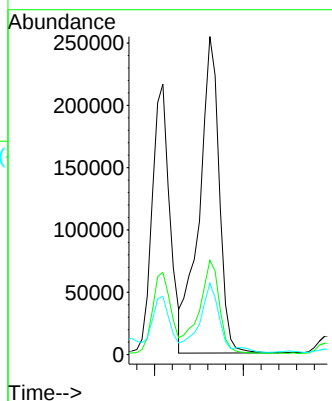
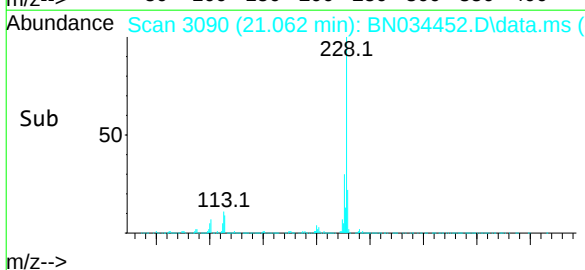
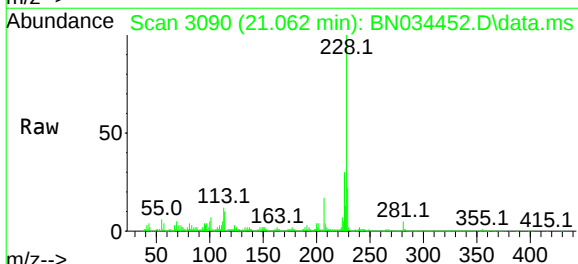
Manual Integrations
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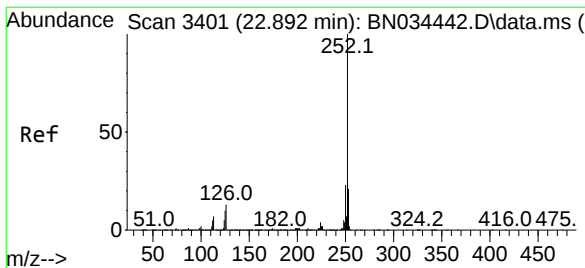
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :mohammad ahmed 10/09/2024



#87
Chrysene
Concen: 5.696 ng/u1
RT: 21.062 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BN034452.D
Acq: 08 Oct 2024 00:09

Tgt Ion:228 Resp: 398210
Ion Ratio Lower Upper
228 100
226 29.7 22.5 33.7
229 22.4 15.8 23.6





#90

Benzo(b)fluoranthene

Concen: 8.325 ng/u1

RT: 22.886 min Scan# 3400

Delta R.T. -0.006 min

Lab File: BN034452.D

Acq: 08 Oct 2024 00:09

Instrument :

BNA_N

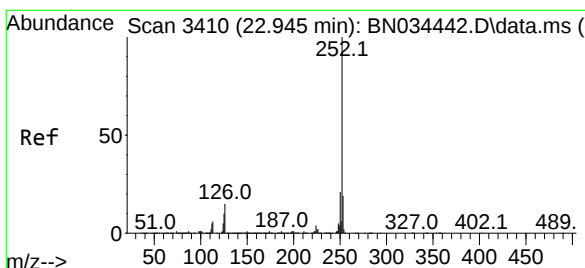
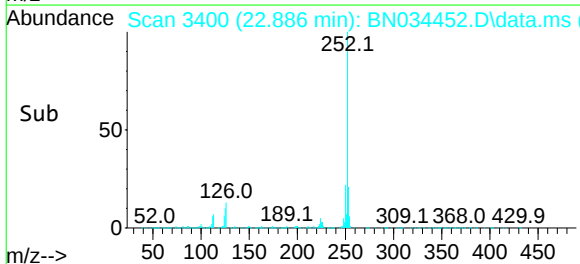
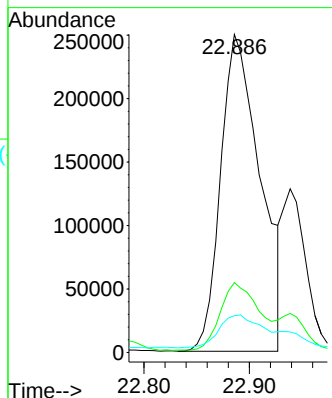
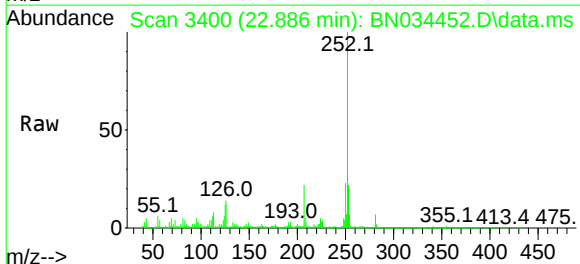
ClientSampleId :

A4EZ0

Tgt Ion:	252	Resp:	651464
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	11.6	9.1	13.7

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#91

Benzo(k)fluoranthene

Concen: 2.479 ng/u1

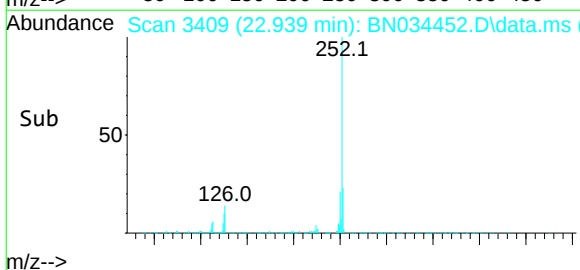
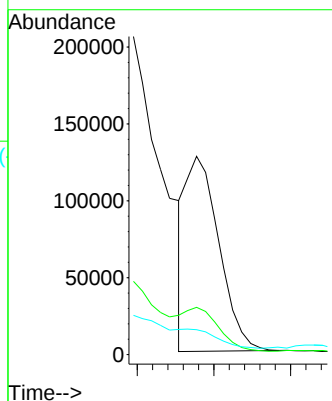
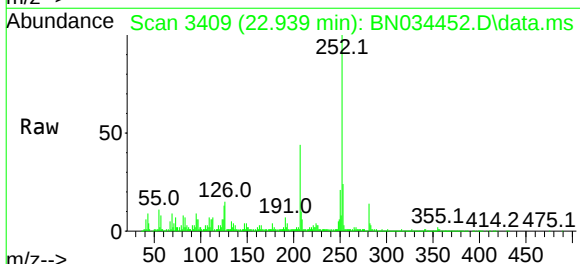
RT: 22.939 min Scan# 3409

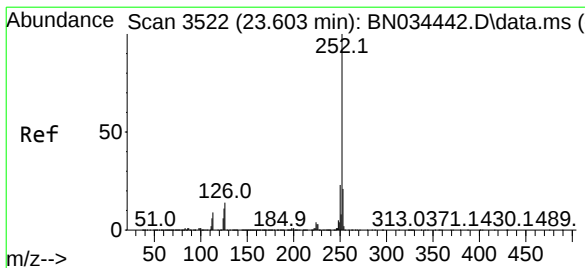
Delta R.T. -0.006 min

Lab File: BN034452.D

Acq: 08 Oct 2024 00:09

Tgt Ion:	252	Resp:	191334
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.0
125	12.5	8.8	13.2





#93

Benzo(a)pyrene

Concen: 2.181 ng/u1

RT: 23.603 min Scan# 3522

Delta R.T. -0.012 min

Lab File: BN034452.D

Acq: 08 Oct 2024 00:09

Instrument :

BNA_N

ClientSampleId :

A4EZ0

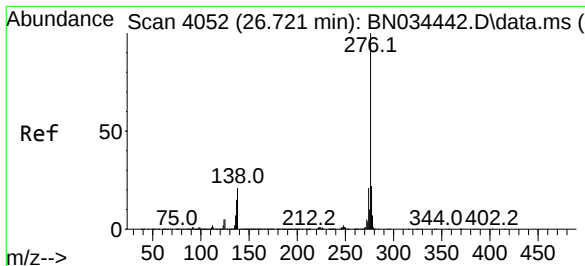
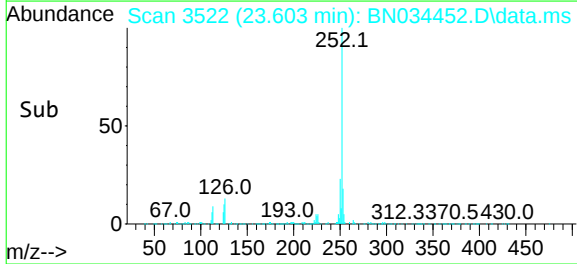
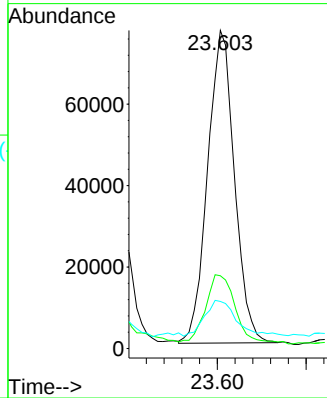
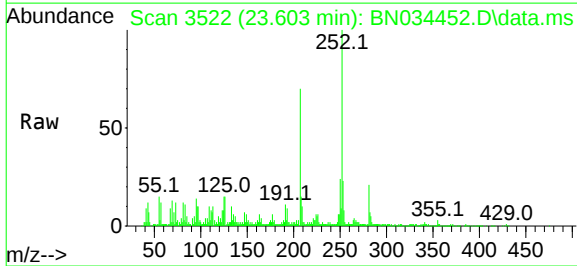
Tgt Ion:	252	Resp:	161250
Ion Ratio	Lower	Upper	
252	100		
253	22.9	15.8	23.8
125	14.8	9.0	13.6

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#94

Indeno(1,2,3-cd)pyrene

Concen: 2.155 ng/u1

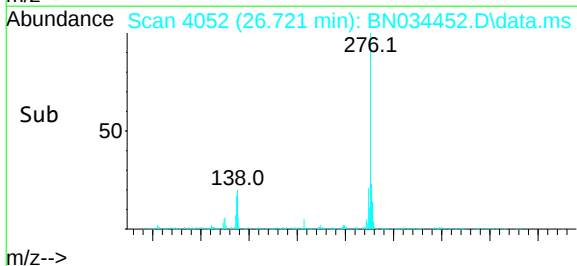
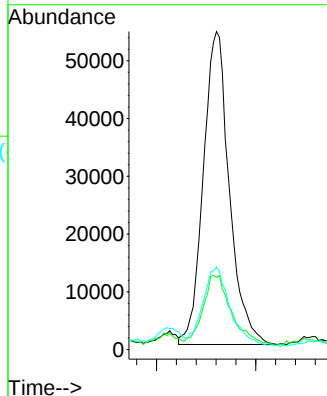
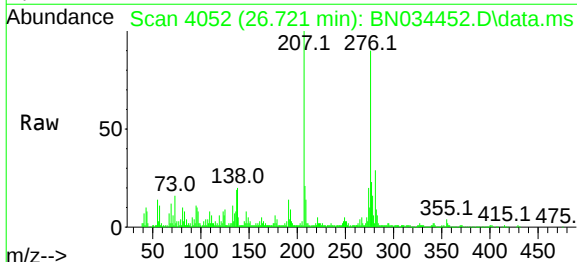
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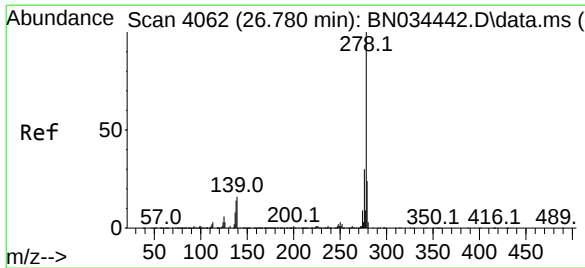
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Lab File: BN034452.D

Acq: 08 Oct 2024 00:09

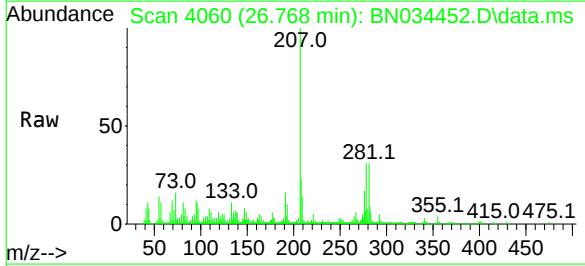
Tgt Ion:	276	Resp:	197356
Ion Ratio	Lower	Upper	
276	100		
138	28.5	17.7	26.5
277	26.0	18.4	27.6





#95
 Dibenzo(a,h)anthracene
 Concen: 1.078 ng/ul m
 RT: 26.768 min Scan# 40
 Delta R.T. -0.024 min
 Lab File: BN034452.D
 Acq: 08 Oct 2024 00:09

Instrument :
 BNA_N
 ClientSampleId :
 A4EZ0



Tgt Ion:	278	Resp:	79833
Ion Ratio	Lower	Upper	
278	100		
139	20.7	14.2	21.2
279	27.4	18.1	27.1#

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