

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
 Data File : BN031206.D
 Acq On : 25 Apr 2024 02:48
 Operator : MA/JU
 Sample : P2104-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COAL8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 03:24:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	175838	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.404	136	808922	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.275	164	541882	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.028	188	1149130	20.000	ng/u1	0.00
79) Chrysene-d12	21.263	240	1224901	20.000	ng/u1	0.00
88) Perylene-d12	24.163	264	1384086	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	11528	3.063	ng/uL	0.00
4) Pyridine-d5	3.552	84	154895	14.291	ng/u1	0.00
7) Phenol-d5	6.805	99	297614	20.064	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.969	67	171096	19.826	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.158	132	244561	21.175	ng/u1	-0.01
15) 4-Methylphenol-d8	8.334	113	243789	19.543	ng/u1	0.00
21) Nitrobenzene-d5	8.781	128	121136	20.842	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.499	143	127007	21.023	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.034	165	247607	20.783	ng/u1	0.00
31) 4-Chloroaniline-d4	10.551	131	321303	17.258	ng/u1	-0.01
46) Dimethylphthalate-d6	13.692	166	798996	21.189	ng/u1	0.00
49) Acenaphthylene-d8	13.963	160	945567	22.129	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.492	143	124193	15.780	ng/u1	0.00
60) Fluorene-d10	15.269	176	738672	22.502	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.398	200	78184	13.486	ng/u1	0.00
73) Anthracene-d10	17.122	188	1122053	22.528	ng/u1	-0.01
81) Pyrene-d10	19.427	212	1404353	23.332	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.962	264	1563385	23.820	ng/u1	-0.01
Target Compounds					Qvalue	
50) Acenaphthylene	13.992	152	128404	2.572	ng/u1	98
56) Dibenzofuran	14.675	168	52538	1.148	ng/u1	94
61) Fluorene	15.328	166	83367	2.214	ng/u1	91
72) Phenanthrene	17.069	178	911300	14.993	ng/u1	99
74) Anthracene	17.157	178	279618	4.546	ng/u1	96
80) Fluoranthene	19.092	202	1361677	19.115	ng/u1	99
82) Pyrene	19.457	202	1231427	16.452	ng/u1	99
85) Benzo(a)anthracene	21.245	228	1005879	12.093	ng/u1	98
87) Chrysene	21.304	228	1036465	13.127	ng/u1	97
90) Benzo(b)fluoranthene	23.245	252	1211851	15.561	ng/u1	99
91) Benzo(k)fluoranthene	23.304	252	423951m	5.413	ng/u1	
93) Benzo(a)pyrene	24.027	252	758885	9.768	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.392	276	417999	4.336	ng/u1	98
95) Dibenzo(a,h)anthracene	27.439	278	115985	1.466	ng/u1#	88
96) Benzo(g,h,i)perylene	28.409	276	330923m	4.263	ng/u1	

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

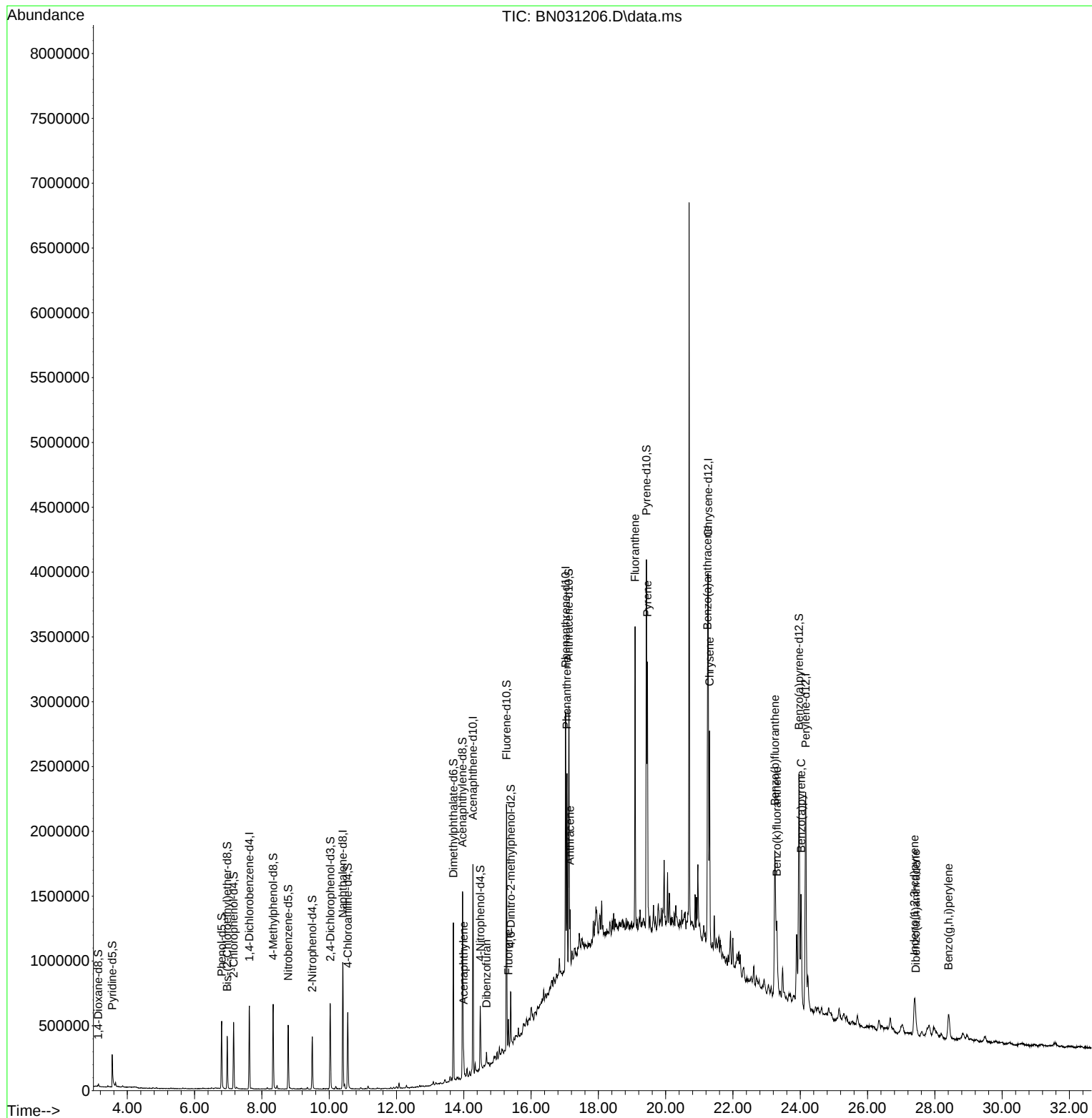
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
Data File : BN031206.D
Acq On : 25 Apr 2024 02:48
Operator : MA/JU
Sample : P2104-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

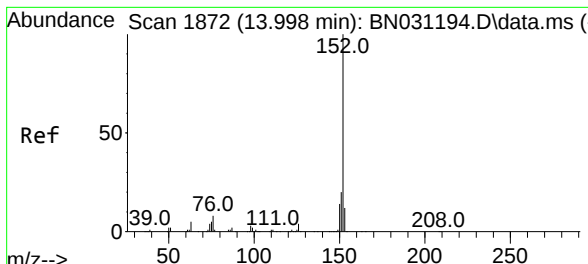
Instrument :
BNA_N
ClientSampleId :
COAL8

Manual Integrations
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Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

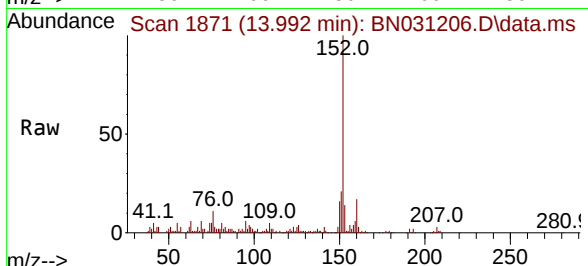
Quant Time: Apr 25 03:24:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 19 22:56:25 2024
Response via : Initial Calibration





#50
 Acenaphthylene
 Concen: 2.572 ng/ul
 RT: 13.992 min Scan# 1871
 Delta R.T. -0.012 min
 Lab File: BN031206.D
 Acq: 25 Apr 2024 02:48

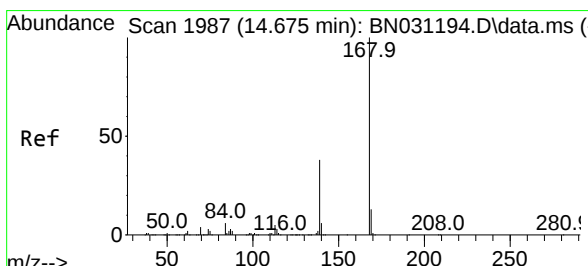
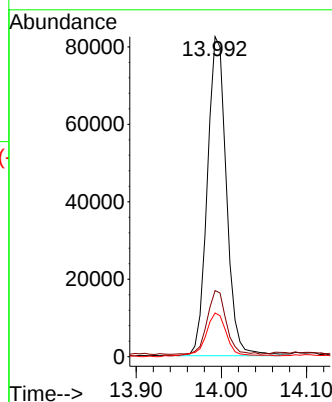
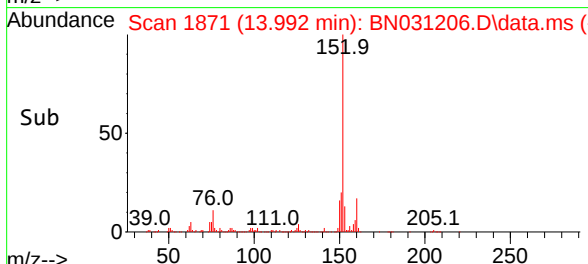
Instrument : BNA_N
 ClientSampleId : COAL8



Tgt Ion:	152	Resp:	12840
Ion Ratio	Lower	Upper	
152	100		
151	20.7	15.8	23.8
153	13.7	10.5	15.7

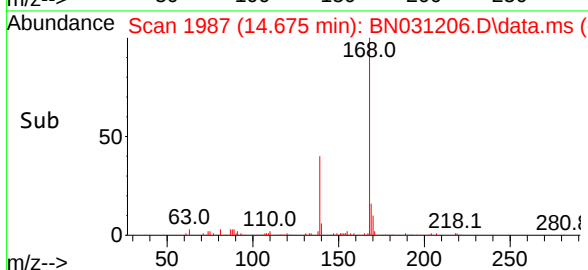
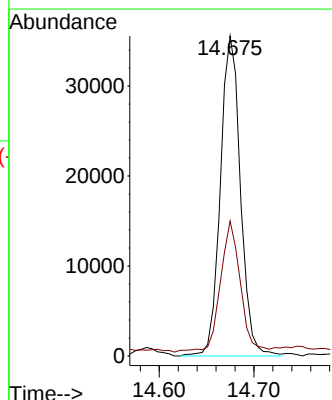
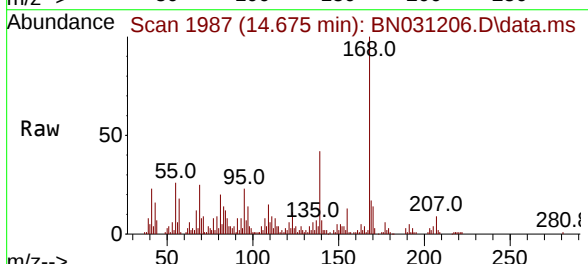
Manual Integrations
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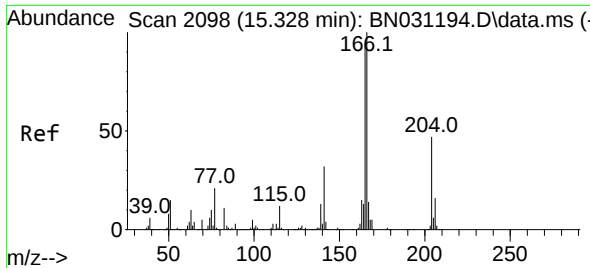
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#56
 Dibenzofuran
 Concen: 1.148 ng/ul
 RT: 14.675 min Scan# 1987
 Delta R.T. -0.012 min
 Lab File: BN031206.D
 Acq: 25 Apr 2024 02:48

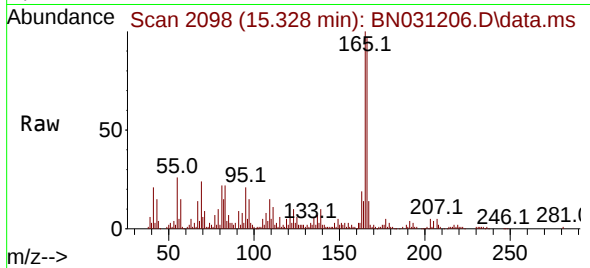
Tgt Ion:	168	Resp:	52538
Ion Ratio	Lower	Upper	
168	100		
139	42.2	31.0	46.6





#61
Fluorene
Concen: 2.214 ng/ul
RT: 15.328 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BN031206.D
Acq: 25 Apr 2024 02:48

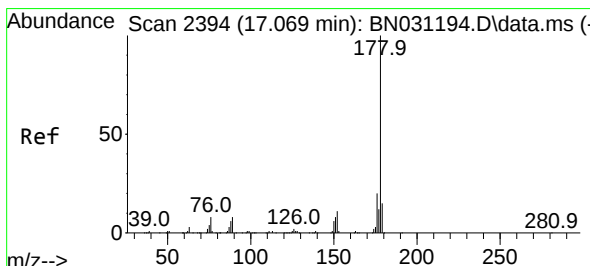
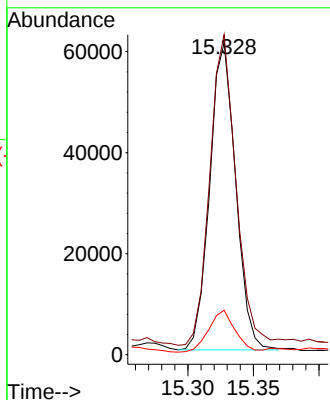
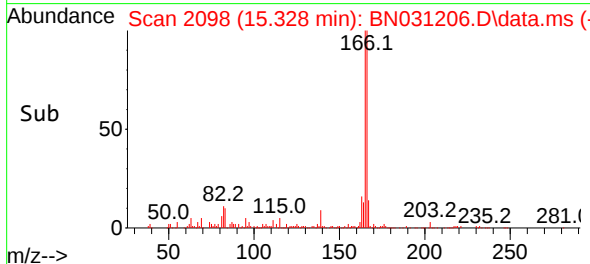
Instrument :
BNA_N
ClientSampleId :
COAL8



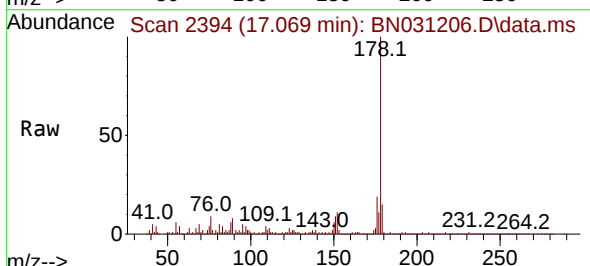
Tgt Ion:166 Resp: 8336
Ion Ratio Lower Upper
166 100
165 102.6 74.6 112.0
167 14.3 10.6 16.0

Manual Integrations
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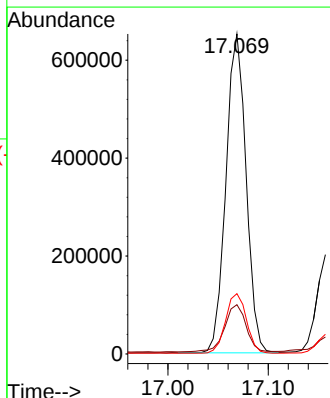
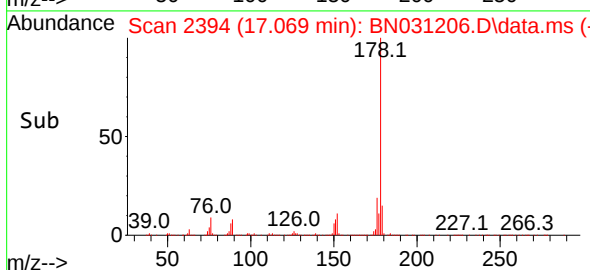
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

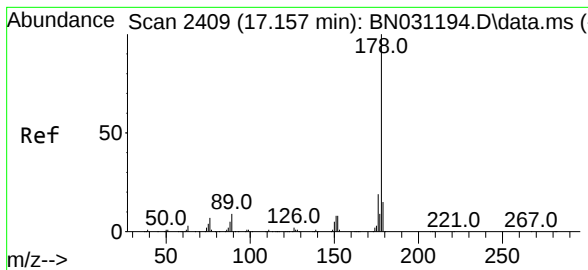


#72
Phenanthrene
Concen: 14.993 ng/ul
RT: 17.069 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BN031206.D
Acq: 25 Apr 2024 02:48



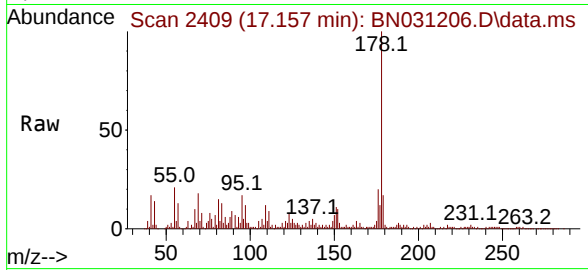
Tgt Ion:178 Resp: 911300
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 18.8 14.6 21.8





#74
 Anthracene
 Concen: 4.546 ng/ul
 RT: 17.157 min Scan# 2409
 Delta R.T. -0.012 min
 Lab File: BN031206.D
 Acq: 25 Apr 2024 02:48

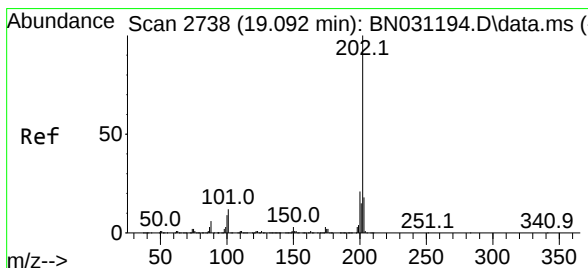
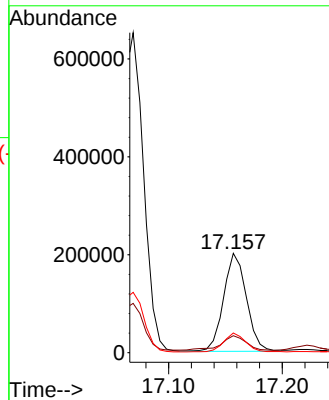
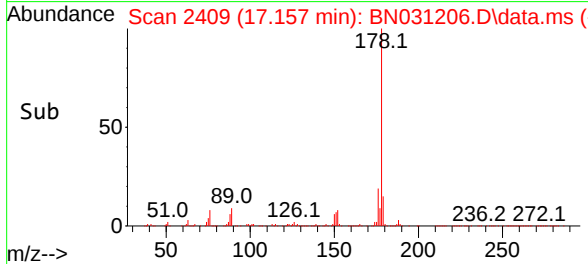
Instrument :
 BNA_N
 ClientSampleId :
 COAL8



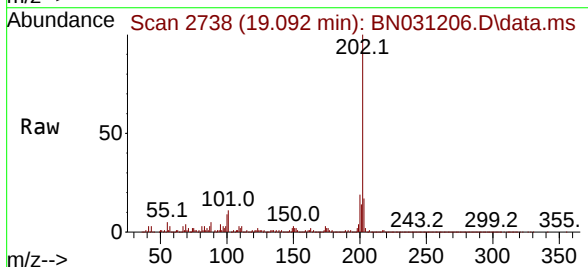
Tgt Ion:178 Resp: 279618
 Ion Ratio Lower Upper
 178 100
 179 17.2 12.2 18.4
 176 19.8 14.4 21.6

Manual Integrations
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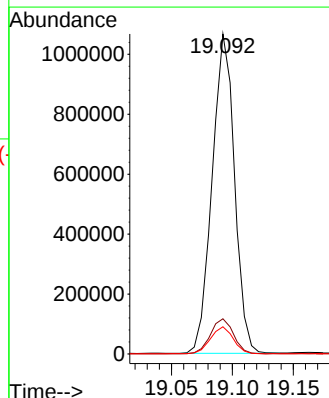
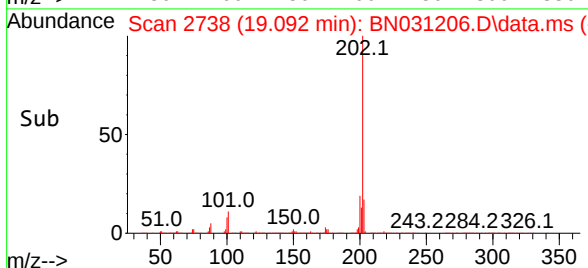
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

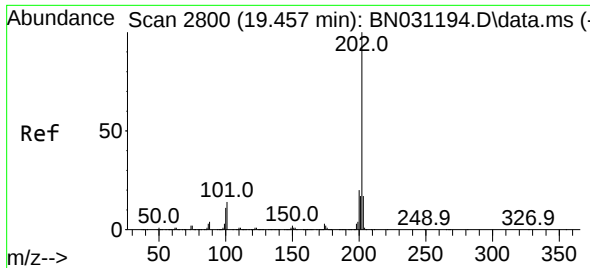


#80
 Fluoranthene
 Concen: 19.115 ng/ul
 RT: 19.092 min Scan# 2738
 Delta R.T. -0.006 min
 Lab File: BN031206.D
 Acq: 25 Apr 2024 02:48



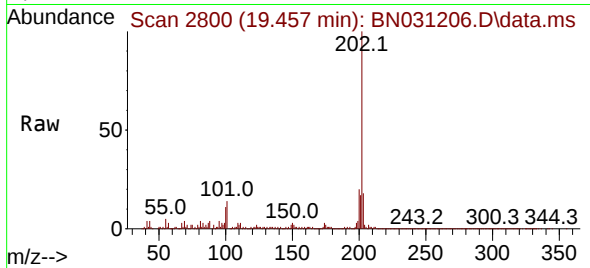
Tgt Ion:202 Resp: 1361677
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.0 13.6
 100 8.5 6.9 10.3





#82
 Pyrene
 Concen: 16.452 ng/ul
 RT: 19.457 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN031206.D
 Acq: 25 Apr 2024 02:48

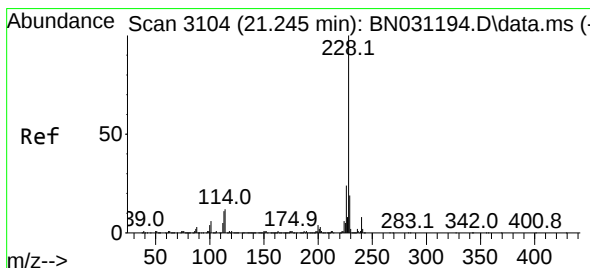
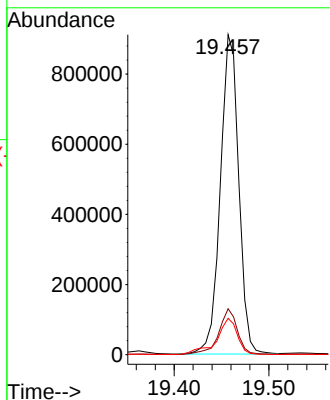
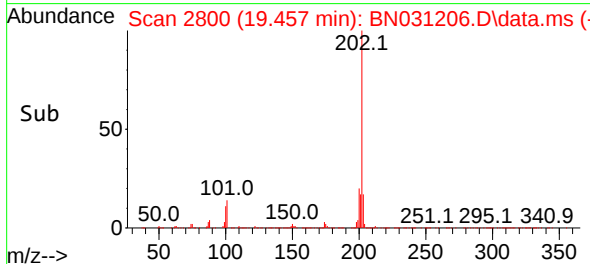
Instrument :
 BNA_N
 ClientSampleId :
 COAL8



Tgt Ion:202 Resp: 123142
 Ion Ratio Lower Upper
 202 100
 101 14.3 11.1 16.7
 100 11.4 9.3 13.9

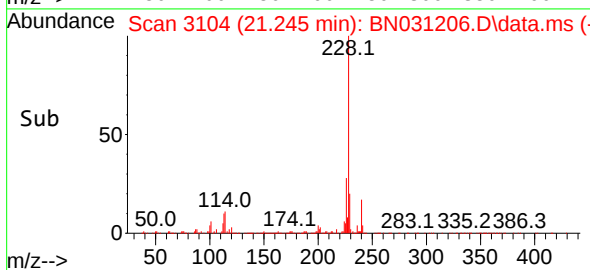
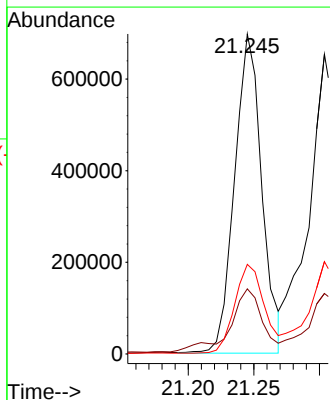
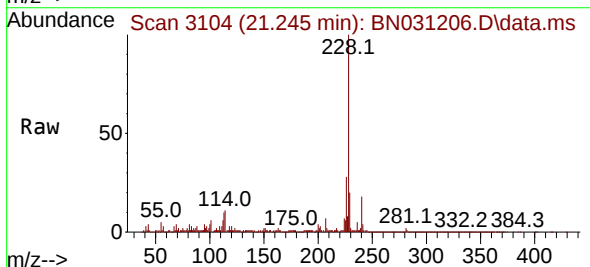
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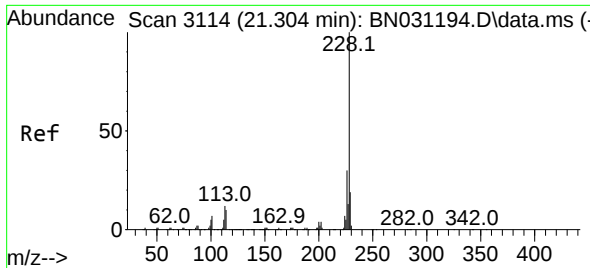
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#85
 Benzo(a)anthracene
 Concen: 12.093 ng/ul
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.006 min
 Lab File: BN031206.D
 Acq: 25 Apr 2024 02:48

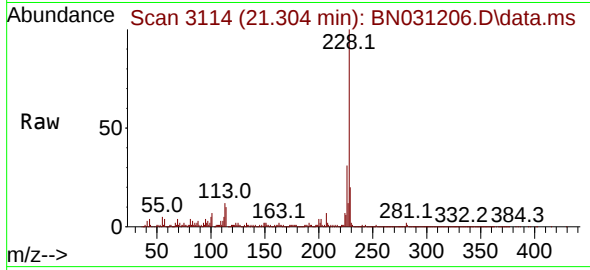
Tgt Ion:228 Resp: 1005879
 Ion Ratio Lower Upper
 228 100
 229 20.3 16.7 25.1
 226 28.0 21.2 31.8





#87
Chrysene
Concen: 13.127 ng/ul
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BN031206.D
Acq: 25 Apr 2024 02:48

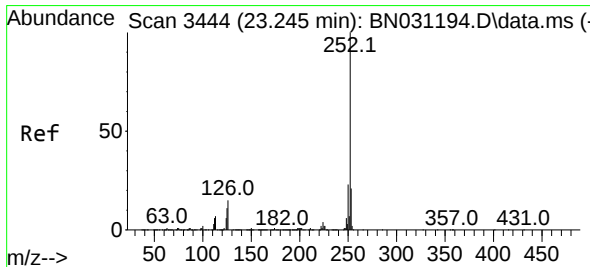
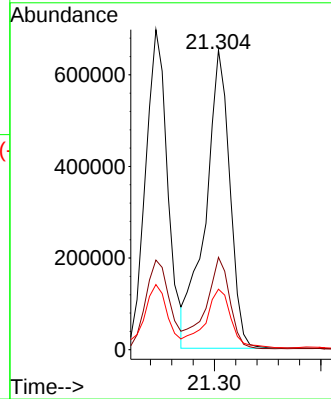
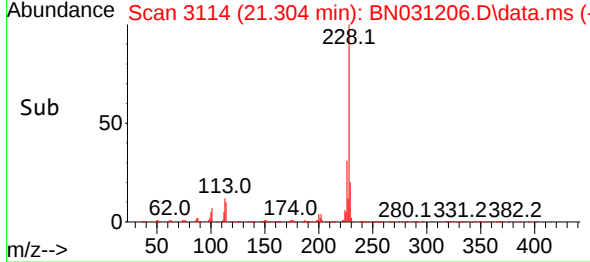
Instrument :
BNA_N
ClientSampleId :
COAL8



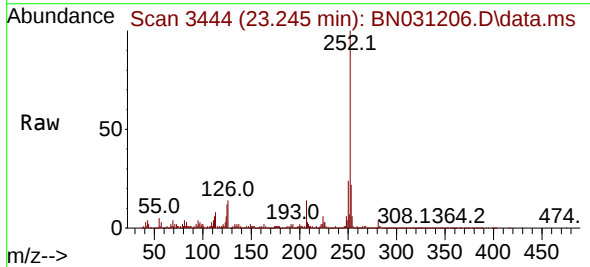
Tgt Ion:228 Resp: 103646
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 20.2 15.8 23.8

Manual Integrations
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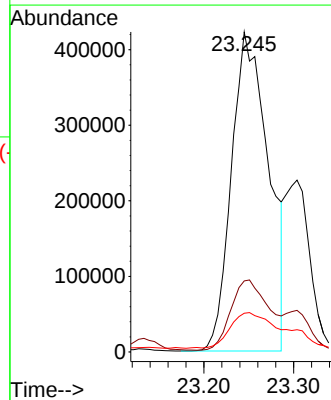
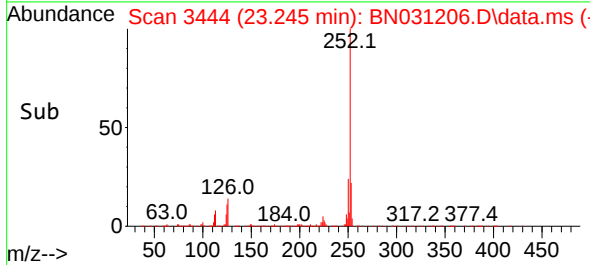
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

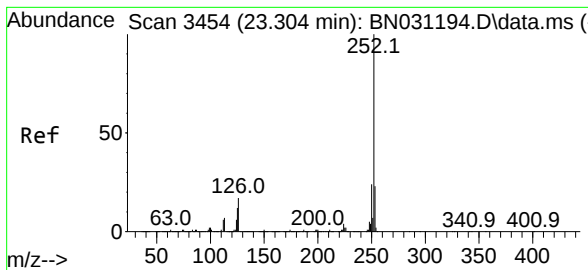


#90
Benzo(b)fluoranthene
Concen: 15.561 ng/ul
RT: 23.245 min Scan# 3444
Delta R.T. -0.012 min
Lab File: BN031206.D
Acq: 25 Apr 2024 02:48



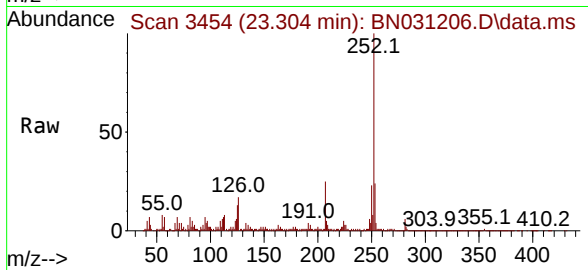
Tgt Ion:252 Resp: 1211851
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 12.1 8.6 12.8





#91
Benzo(k)fluoranthene
Concen: 5.413 ng/ul m
RT: 23.304 min Scan# 3454
Delta R.T. -0.006 min
Lab File: BN031206.D
Acq: 25 Apr 2024 02:48

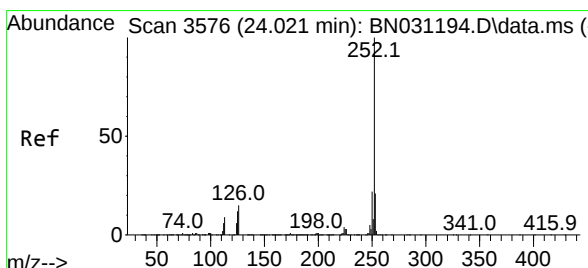
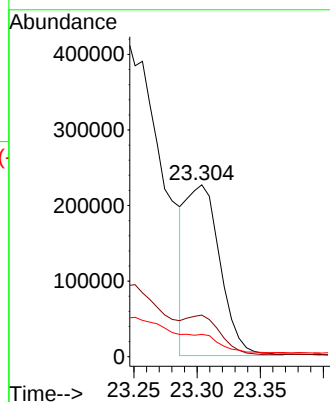
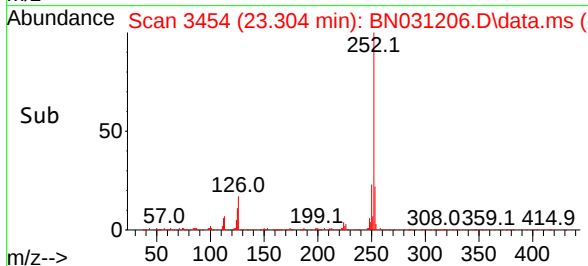
Instrument :
BNA_N
ClientSampleId :
COAL8



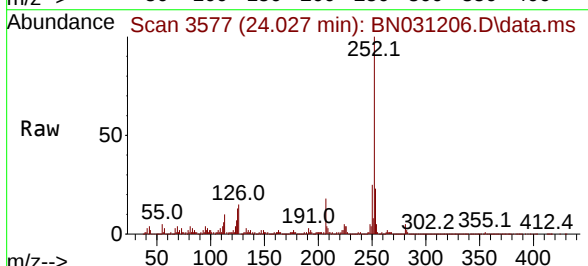
Tgt Ion:252 Resp: 42395
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 13.0 9.4 14.2

Manual Integrations
APPROVED

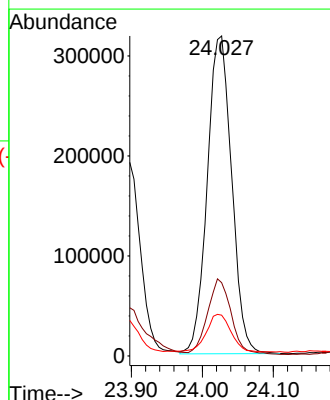
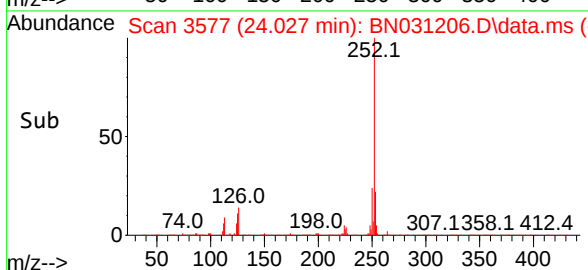
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

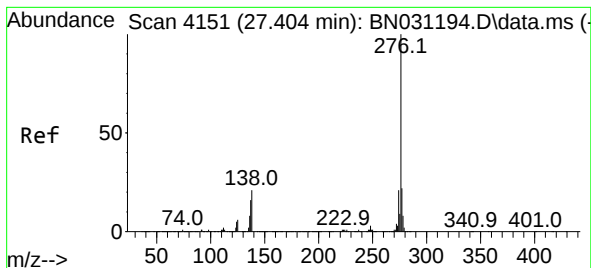


#93
Benzo(a)pyrene
Concen: 9.768 ng/ul
RT: 24.027 min Scan# 3577
Delta R.T. -0.006 min
Lab File: BN031206.D
Acq: 25 Apr 2024 02:48



Tgt Ion:252 Resp: 758885
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 12.7 9.9 14.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.336 ng/ul

RT: 27.392 min Scan# 41799

Delta R.T. -0.029 min

Lab File: BN031206.D

Acq: 25 Apr 2024 02:48

Instrument :

BNA_N

ClientSampleId :

COAL8

Tgt Ion:276 Resp: 41799

Ion Ratio Lower Upper

276 100

138 20.6 17.4 26.2

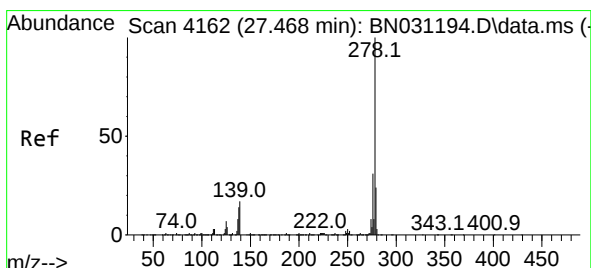
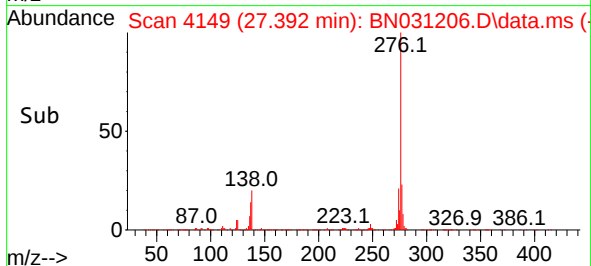
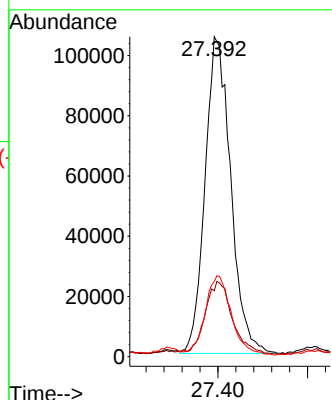
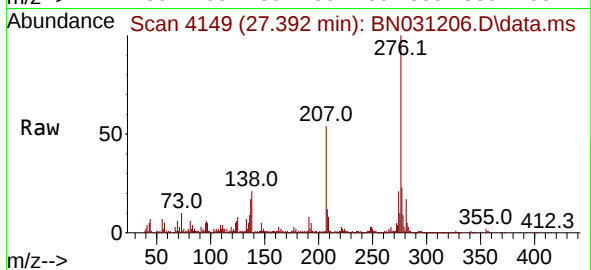
277 23.5 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.466 ng/ul

RT: 27.439 min Scan# 4157

Delta R.T. -0.047 min

Lab File: BN031206.D

Acq: 25 Apr 2024 02:48

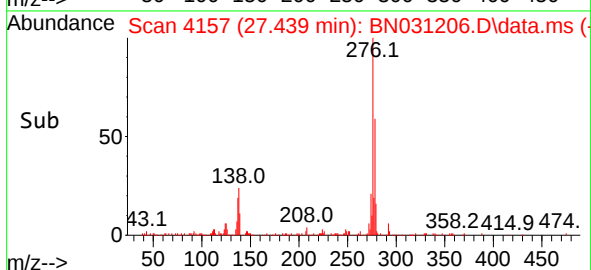
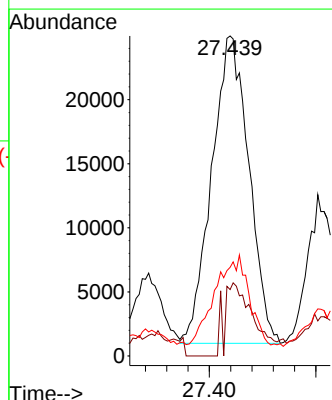
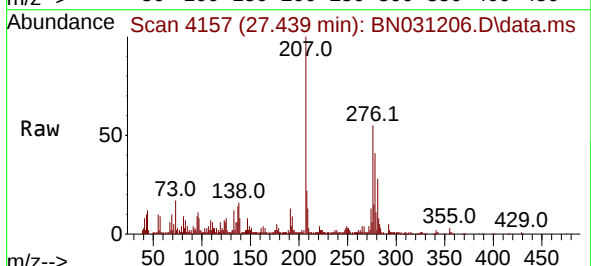
Tgt Ion:278 Resp: 115985

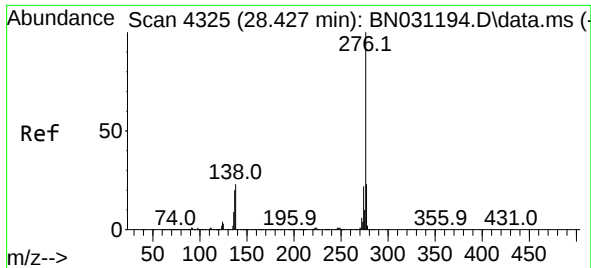
Ion Ratio Lower Upper

278 100

139 20.7 13.3 19.9#

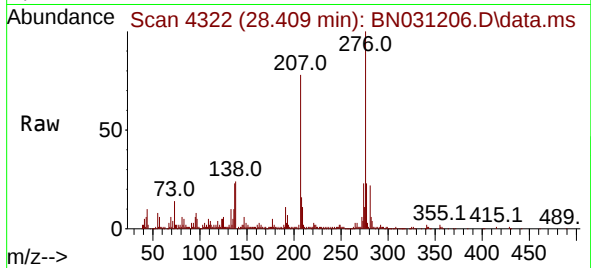
279 27.7 17.0 25.6#





#96
 Benzo(g,h,i)perylene
 Concen: 4.263 ng/ul m
 RT: 28.409 min Scan# 4322
 Delta R.T. -0.030 min
 Lab File: BN031206.D
 Acq: 25 Apr 2024 02:48

Instrument :
 BNA_N
 ClientSampleId :
 COAL8



Tgt Ion: 276 Resp: 33092

Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.0	28.6
277	22.5	19.3	28.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

