

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052924\
 Data File : BN031712.D
 Acq On : 30 May 2024 07:45
 Operator : MA/JU
 Sample : P2569-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH6A5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 30 08:15:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	583184	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2515969	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1544935	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2891525	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1687529	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1818488	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	46631	3.308	ng/uL	0.00
4) Pyridine-d5	3.605	84	464215	11.699	ng/u1	0.00
7) Phenol-d5	6.858	99	1019890	20.400	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	579634	19.821	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	828057	21.707	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	763768	18.741	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	413021	21.470	ng/u1	0.00
24) 2-Nitrophenol-d4	9.558	143	428715	21.574	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	782533	21.094	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	509600	9.252	ng/u1	0.00
46) Dimethylphthalate-d6	13.746	166	2319343	21.549	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2751831	22.236	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	349648	16.225	ng/u1	0.00
60) Fluorene-d10	15.322	176	2003836	22.004	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	142743	9.821	ng/u1	0.01
73) Anthracene-d10	17.175	188	2903694	23.456	ng/u1	0.00
81) Pyrene-d10	19.475	212	2823999	31.272	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	2043583	23.535	ng/u1	0.01
Target Compounds	Qvalue					
37) 1-Methylnaphthalene	12.357	142	145194	1.626	ng/u1	96
52) Acenaphthene	14.393	153	126422	1.366	ng/u1	99
61) Fluorene	15.381	166	129887	1.283	ng/u1	94
72) Phenanthrene	17.116	178	3819224	25.929	ng/u1	100
74) Anthracene	17.204	178	290349	1.945	ng/u1	99
80) Fluoranthene	19.134	202	3023945	28.020	ng/u1	99
82) Pyrene	19.498	202	3701454	33.429	ng/u1	99
83) Butylbenzylphthalate	20.410	149	62629	1.198	ng/u1	99
85) Benzo(a)anthracene	21.292	228	1162615	10.293	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.222	149	146897	1.927	ng/u1#	91
87) Chrysene	21.351	228	1675057	15.876	ng/u1	98
90) Benzo(b)fluoranthene	23.322	252	1494586	13.750	ng/u1	98
91) Benzo(k)fluoranthene	23.374	252	523646m	4.910	ng/u1	
93) Benzo(a)pyrene	24.116	252	1078701	10.596	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.557	276	799007	6.811	ng/u1	96
95) Dibenzo(a,h)anthracene	27.604	278	241067	2.517	ng/u1#	87
96) Benzo(g,h,i)perylene	28.592	276	791079	8.483	ng/u1	98

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

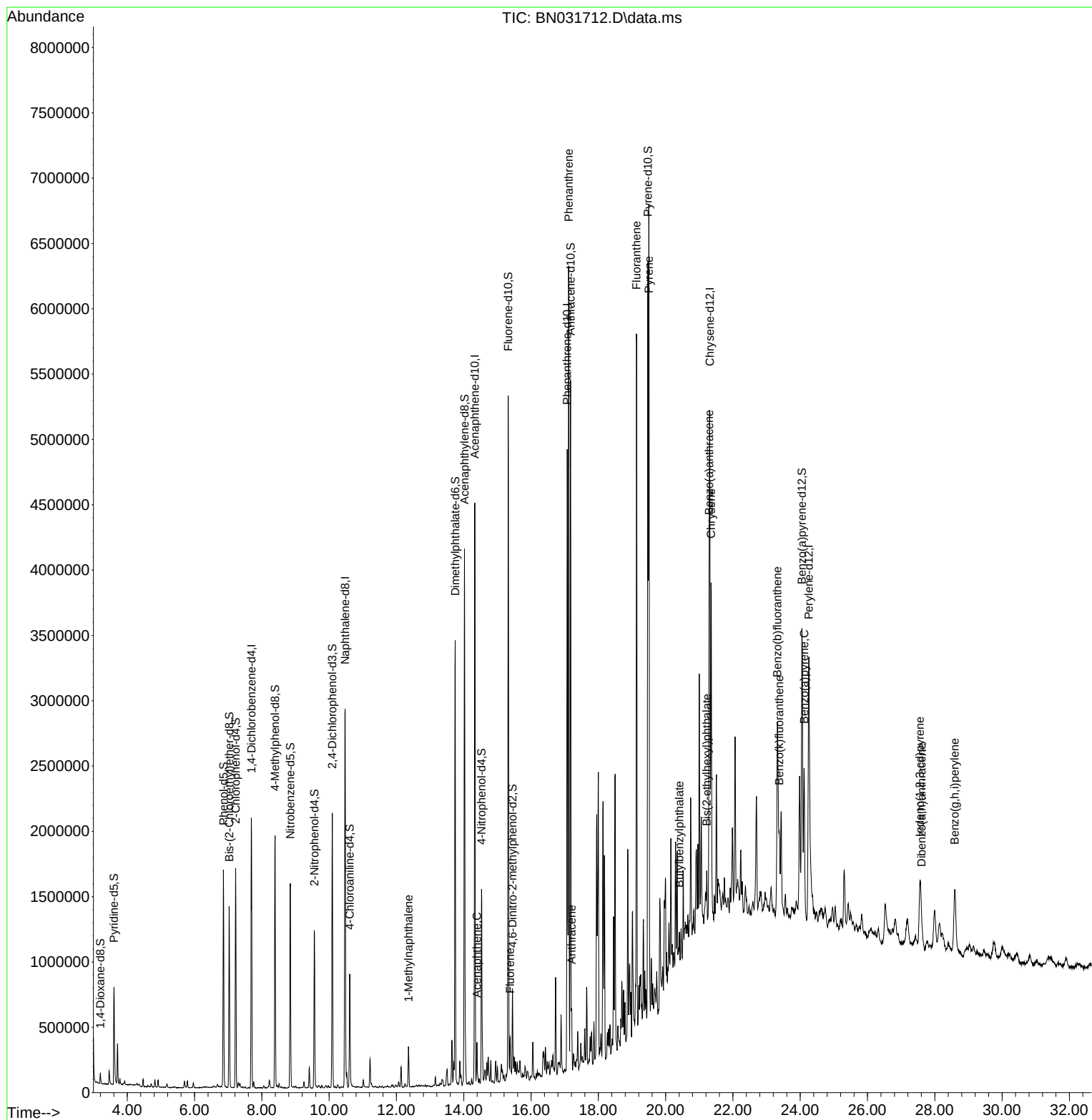
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052924\
Data File : BN031712.D
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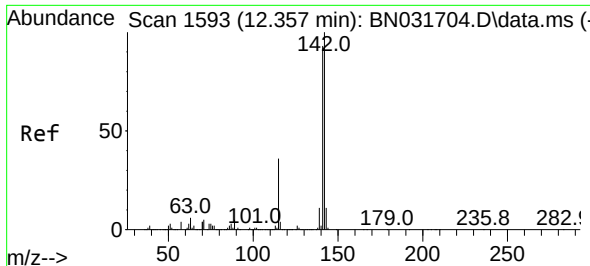
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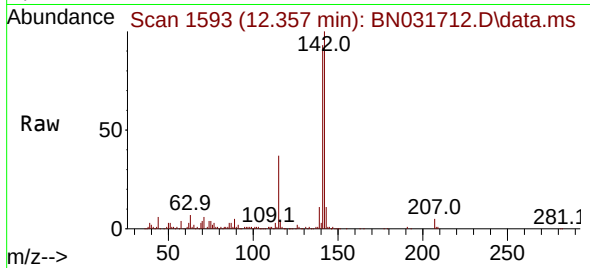
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
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#37
1-Methylnaphthalene
Concen: 1.626 ng/ul
RT: 12.357 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BN031712.D
Acq: 30 May 2024 07:45

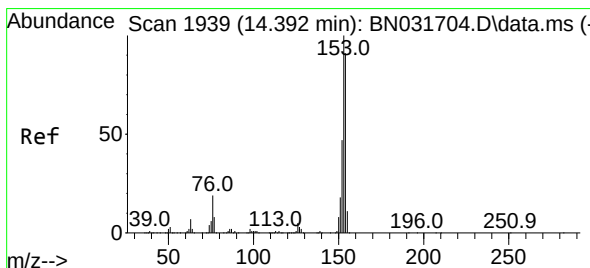
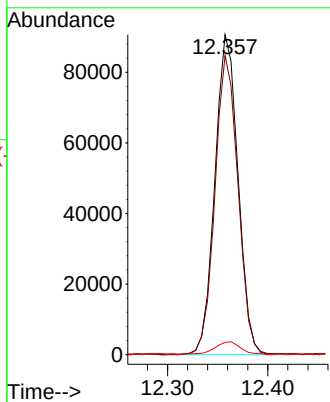
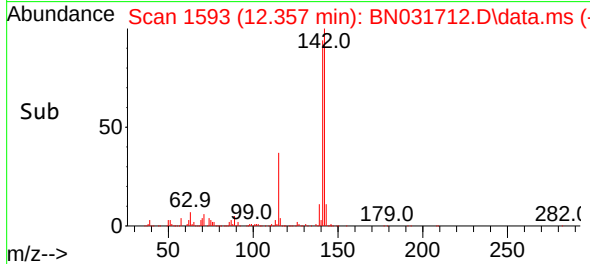
Instrument :
BNA_N
ClientSampleId :
BH6A5



Tgt Ion:142 Resp: 145194
Ion Ratio Lower Upper
142 100
141 93.5 71.7 107.5
116 3.8 3.0 4.4

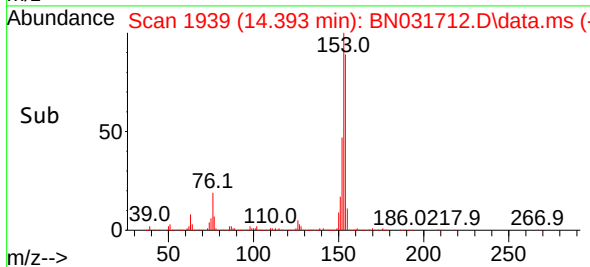
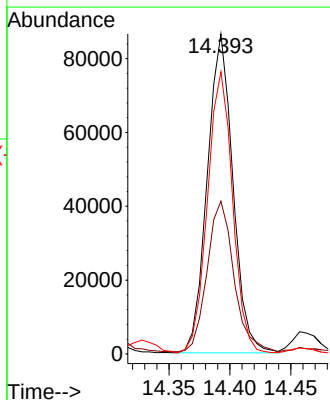
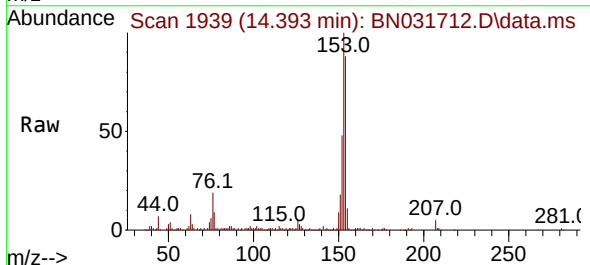
Manual Integrations
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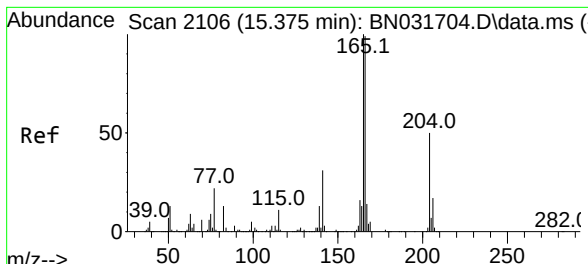
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#52
Acenaphthene
Concen: 1.366 ng/ul
RT: 14.393 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BN031712.D
Acq: 30 May 2024 07:45

Tgt Ion:153 Resp: 126422
Ion Ratio Lower Upper
153 100
152 47.7 37.8 56.6
154 88.2 69.8 104.8





#61
 Fluorene
 Concen: 1.283 ng/ul
 RT: 15.381 min Scan# 2106
 Delta R.T. 0.006 min
 Lab File: BN031712.D
 Acq: 30 May 2024 07:45

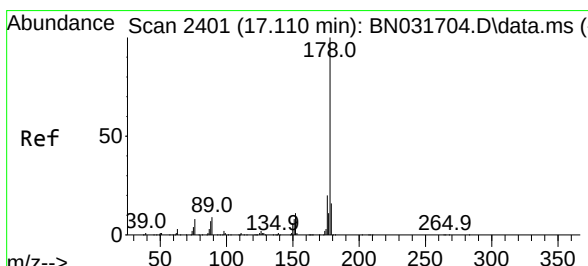
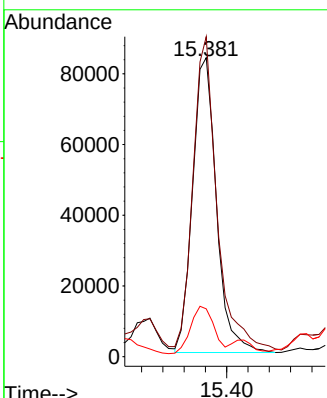
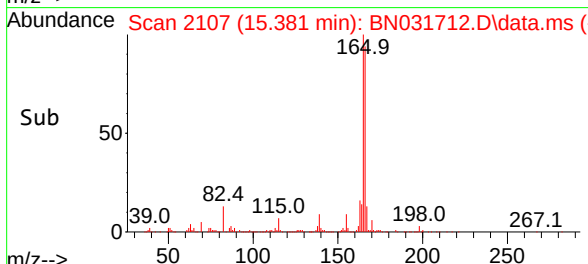
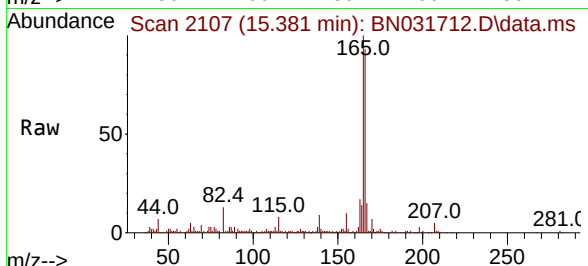
Instrument :
 BNA_N
 ClientSampleId :
 BH6A5

Tgt Ion:166 Resp: 12988

Ion	Ratio	Lower	Upper
166	100		
165	107.0	80.3	120.5
167	16.0	11.3	16.9

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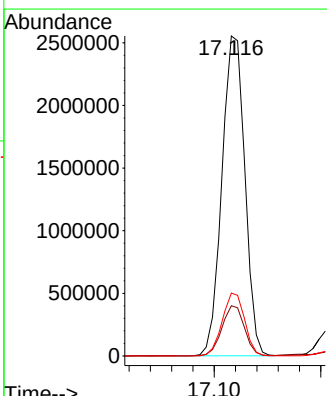
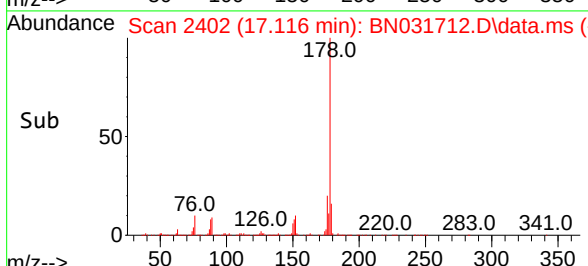
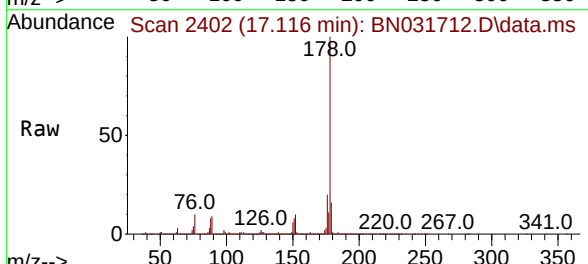
Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

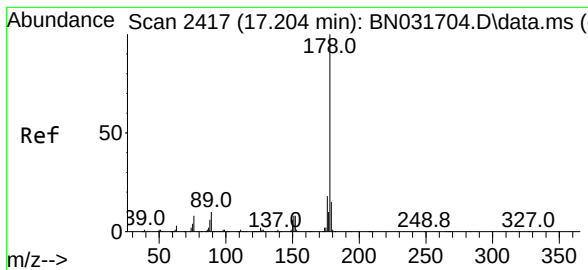


#72
 Phenanthrene
 Concen: 25.929 ng/ul
 RT: 17.116 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: BN031712.D
 Acq: 30 May 2024 07:45

Tgt Ion:178 Resp: 3819224

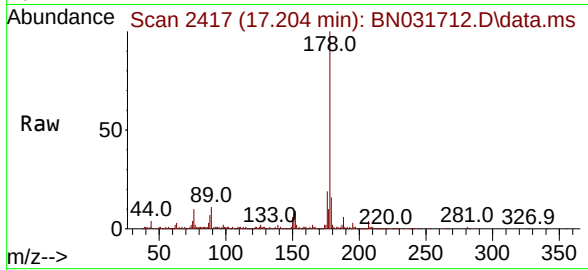
Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.7	15.8	23.6





#74
 Anthracene
 Concen: 1.945 ng/ul
 RT: 17.204 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN031712.D
 Acq: 30 May 2024 07:45

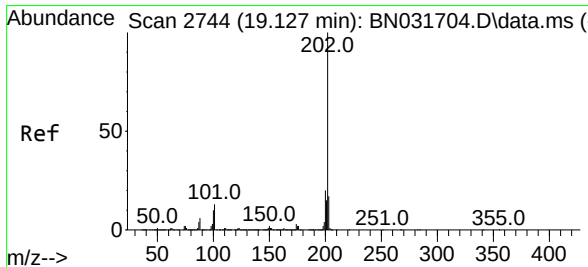
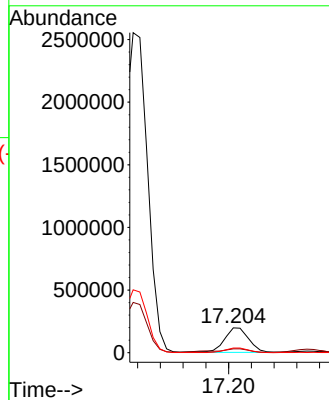
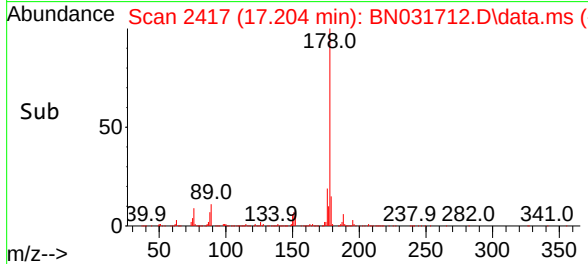
Instrument :
 BNA_N
 ClientSampleId :
 BH6A5



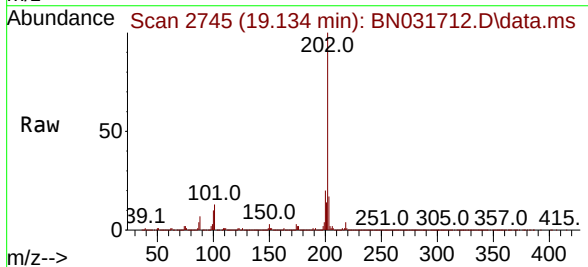
Tgt Ion:178 Resp: 290349
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.8 17.6
 176 18.7 14.8 22.2

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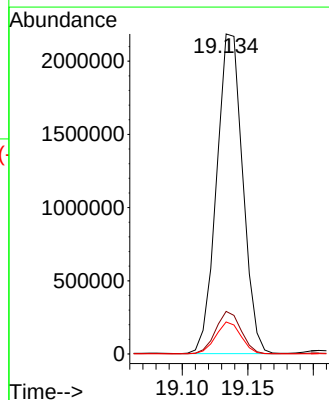
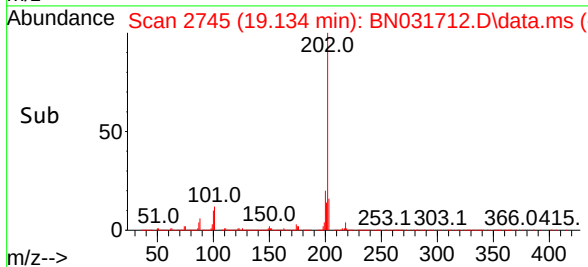
Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

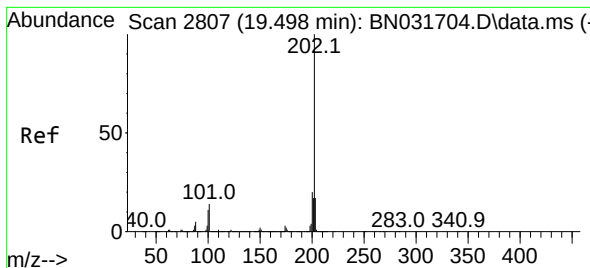


#80
 Fluoranthene
 Concen: 28.020 ng/ul
 RT: 19.134 min Scan# 2745
 Delta R.T. 0.000 min
 Lab File: BN031712.D
 Acq: 30 May 2024 07:45



Tgt Ion:202 Resp: 3023945
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.3 15.5
 100 10.0 8.0 12.0





#82

Pyrene

Concen: 33.429 ng/ul

RT: 19.498 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BN031712.D

Acq: 30 May 2024 07:45

Instrument :

BNA_N

ClientSampleId :

BH6A5

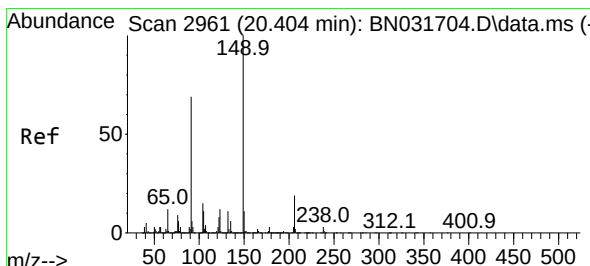
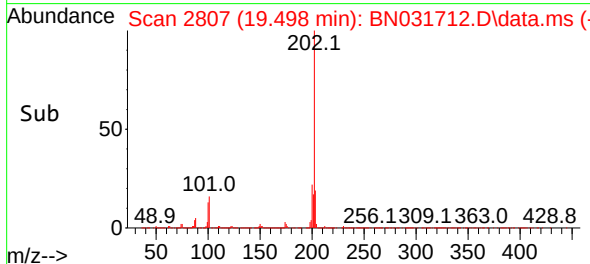
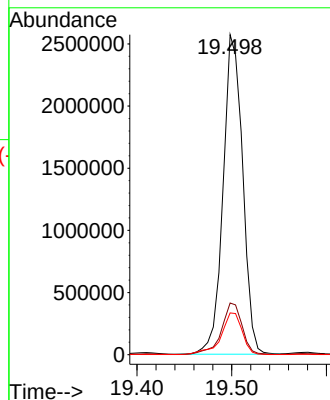
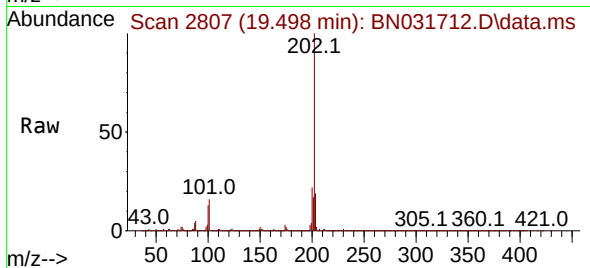
Tgt Ion:202 Resp: 3701454

Ion	Ratio	Lower	Upper
202	100		
101	16.1	12.6	18.8
100	13.0	10.2	15.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#83

Butylbenzylphthalate

Concen: 1.198 ng/ul

RT: 20.410 min Scan# 2962

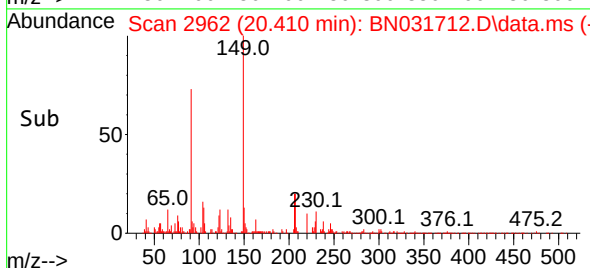
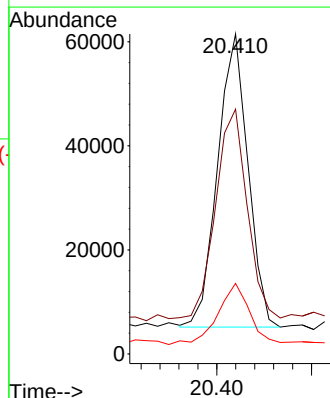
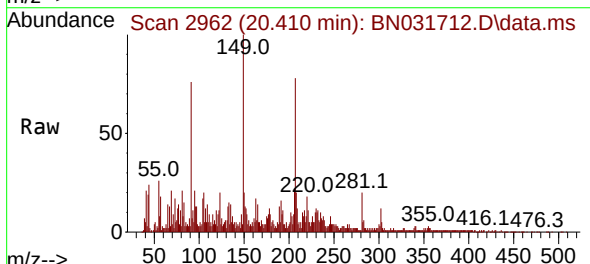
Delta R.T. 0.006 min

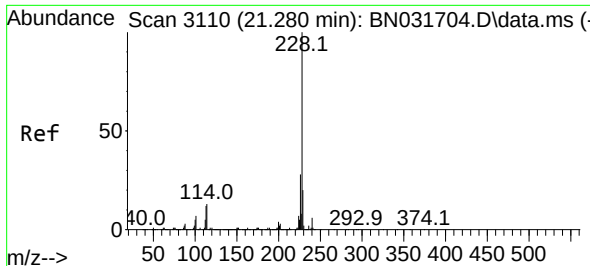
Lab File: BN031712.D

Acq: 30 May 2024 07:45

Tgt Ion:149 Resp: 62629

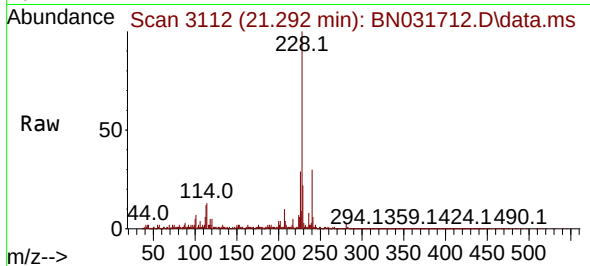
Ion	Ratio	Lower	Upper
149	100		
91	76.5	61.0	91.4
206	22.1	16.5	24.7





#85
Benzo(a)anthracene
Concen: 10.293 ng/ul
RT: 21.292 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BN031712.D
Acq: 30 May 2024 07:45

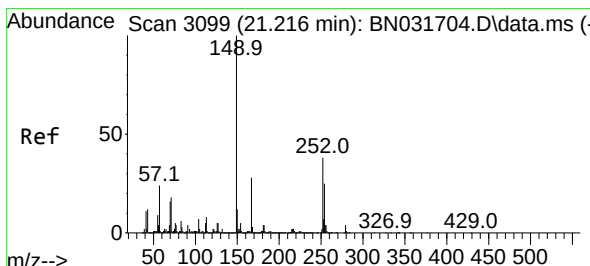
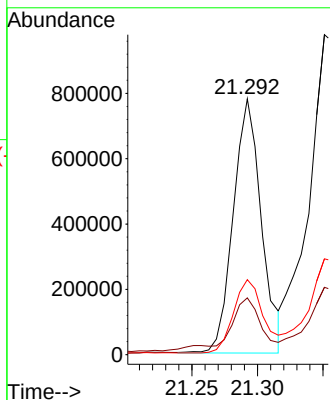
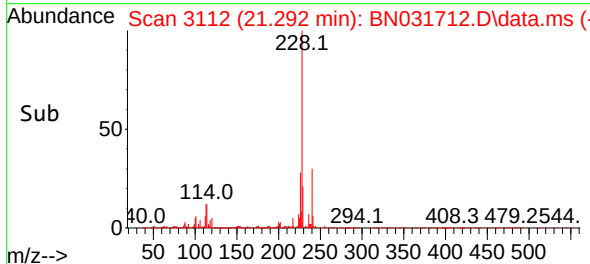
Instrument :
BNA_N
ClientSampleId :
BH6A5



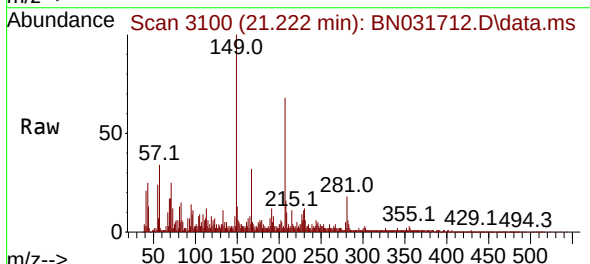
Tgt Ion:228 Resp: 116261
Ion Ratio Lower Upper
228 100
229 22.2 16.7 25.1
226 29.3 22.8 34.2

Manual Integrations
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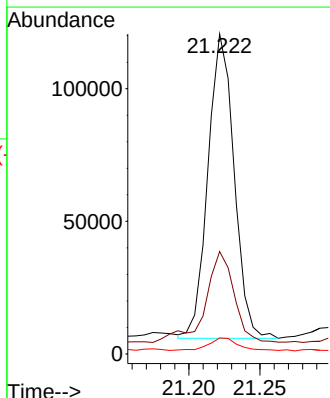
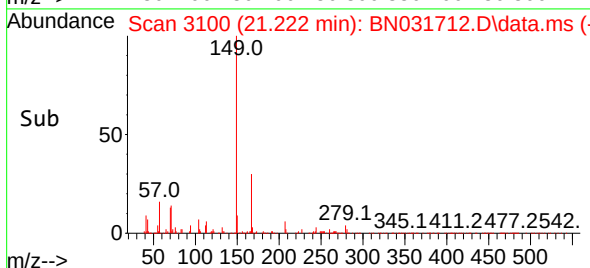
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

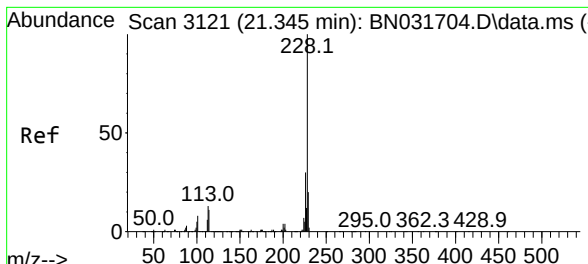


#86
Bis(2-ethylhexyl)phthalate
Concen: 1.927 ng/ul
RT: 21.222 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN031712.D
Acq: 30 May 2024 07:45



Tgt Ion:149 Resp: 146897
Ion Ratio Lower Upper
149 100
167 32.0 21.4 32.0
279 5.0 3.3 4.9#





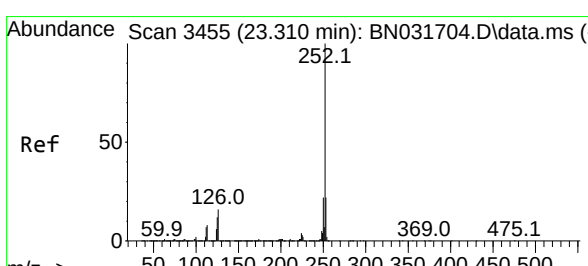
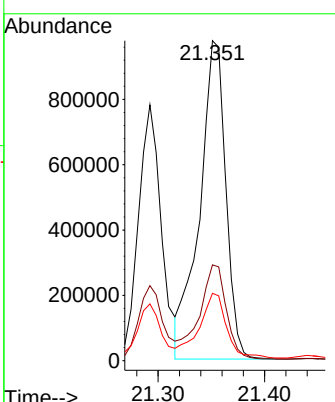
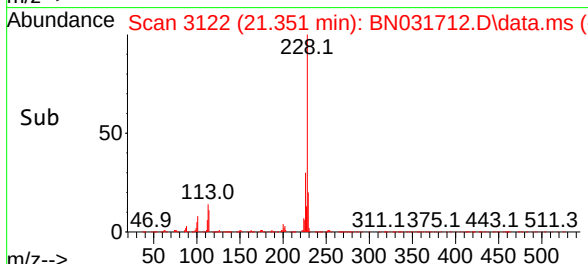
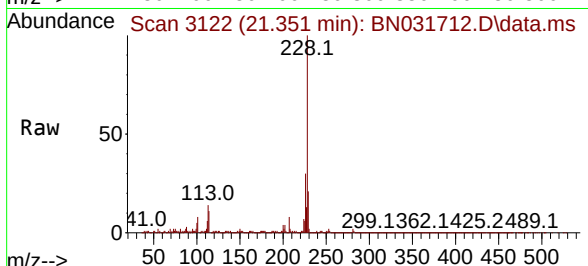
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 Chrysene
 Concen: 15.876 ng/ul
 RT: 21.351 min Scan# 3121
 Delta R.T. 0.000 min
 Lab File: BN031712.D
 Acq: 30 May 2024 07:45

Instrument : BNA_N
 ClientSampleId : BH6A5

Tgt Ion: 228 Resp: 167505

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	21.0	15.1	22.7

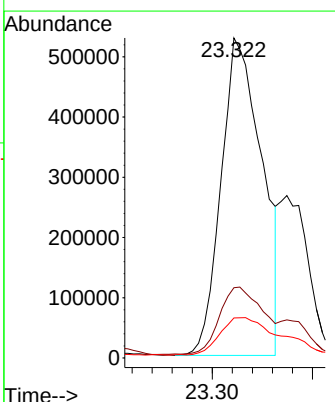
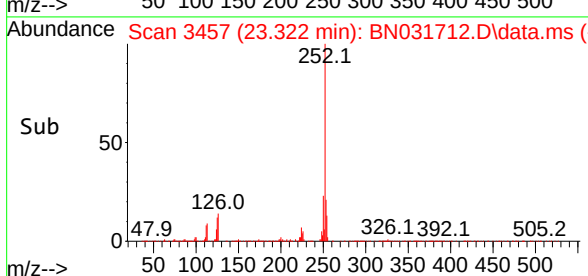
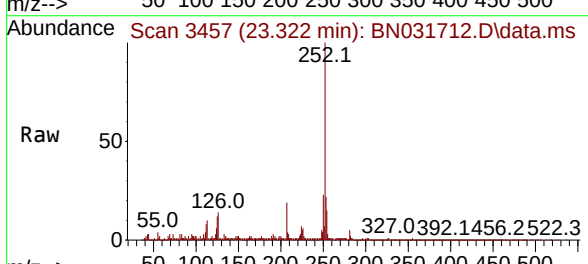
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 Reviewed By : Jagrut Upadhyay 05/30/2024
 Supervised By : mohammad ahmed 05/31/2024

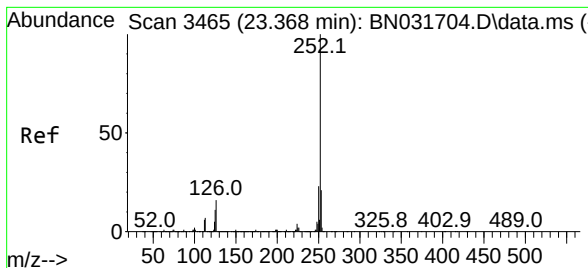


#90
 Benzo(b)fluoranthene
 Concen: 13.750 ng/ul
 RT: 23.322 min Scan# 3457
 Delta R.T. 0.012 min
 Lab File: BN031712.D
 Acq: 30 May 2024 07:45

Tgt Ion: 252 Resp: 1494586

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	12.5	9.2	13.8





#91

Benzo(k)fluoranthene

Concen: 4.910 ng/ul m

RT: 23.374 min Scan# 3465

Delta R.T. 0.000 min

Lab File: BN031712.D

Acq: 30 May 2024 07:45

Instrument :

BNA_N

ClientSampleId :

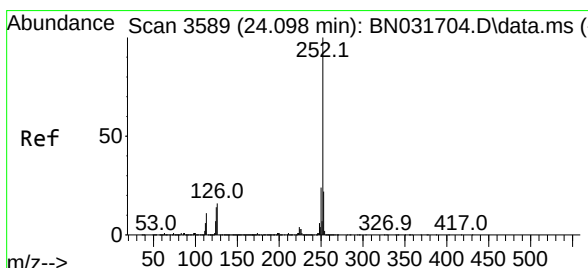
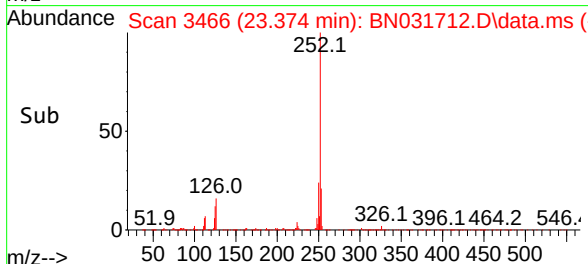
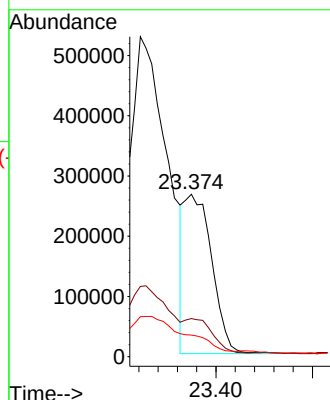
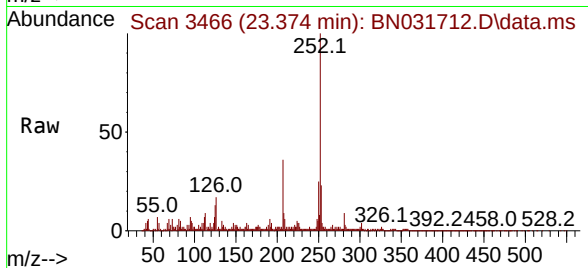
BH6A5

Tgt Ion:	252	Resp:	523640
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.6	26.4
125	13.3	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#93

Benzo(a)pyrene

Concen: 10.596 ng/ul

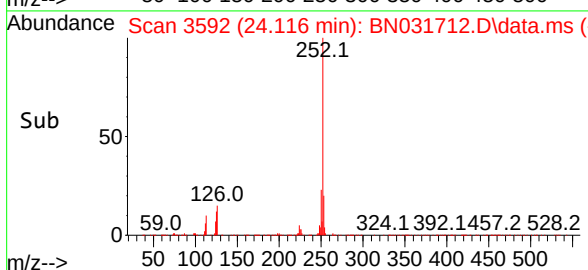
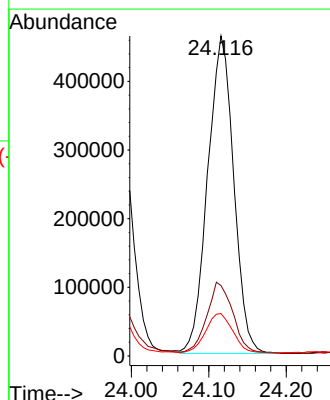
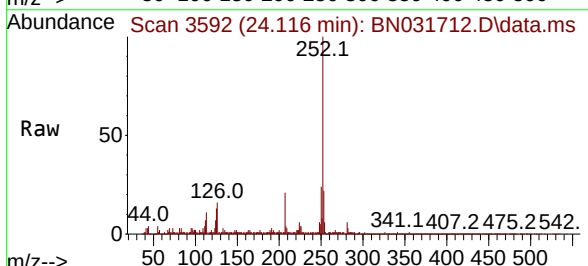
RT: 24.116 min Scan# 3592

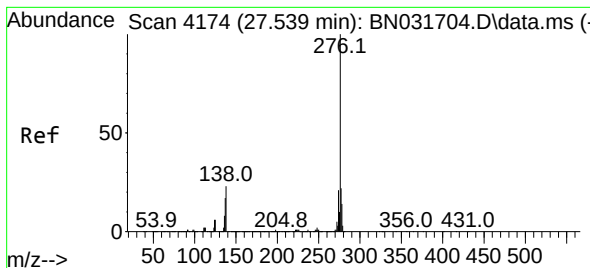
Delta R.T. 0.012 min

Lab File: BN031712.D

Acq: 30 May 2024 07:45

Tgt Ion:	252	Resp:	1078701
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.6	24.8
125	13.3	9.8	14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.811 ng/ul

RT: 27.557 min Scan# 4177

Delta R.T. 0.024 min

Lab File: BN031712.D

Acq: 30 May 2024 07:45

Instrument :

BNA_N

ClientSampleId :

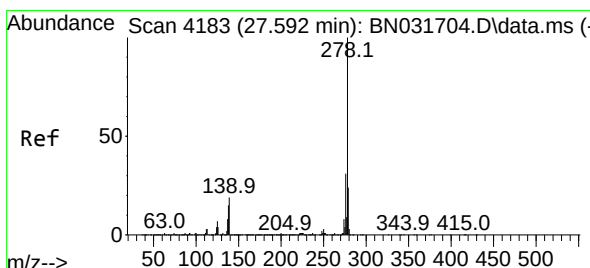
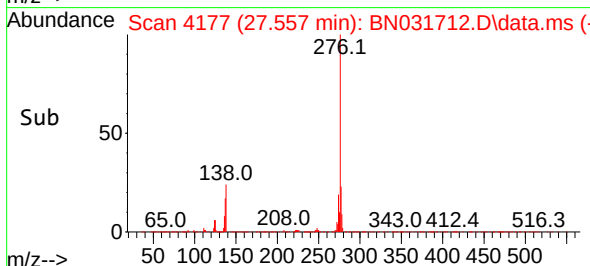
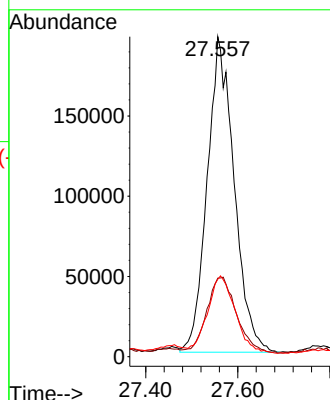
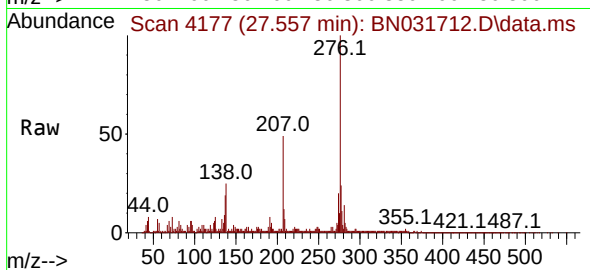
BH6A5

Tgt Ion:	276	Resp:	79900
Ion Ratio	Lower	Upper	
276	100		
138	24.5	18.1	27.1
277	24.2	18.2	27.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.517 ng/ul

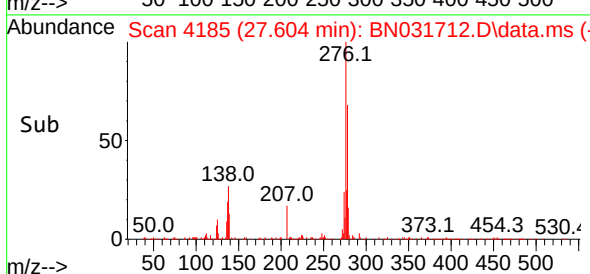
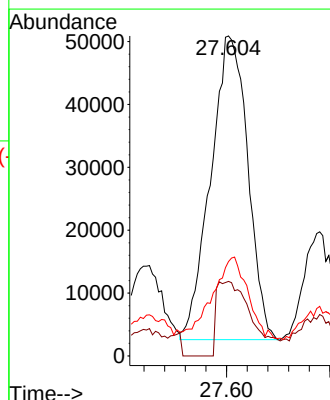
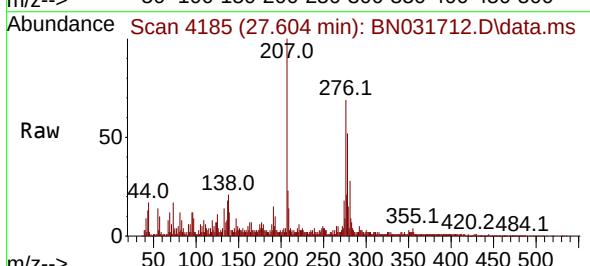
RT: 27.604 min Scan# 4185

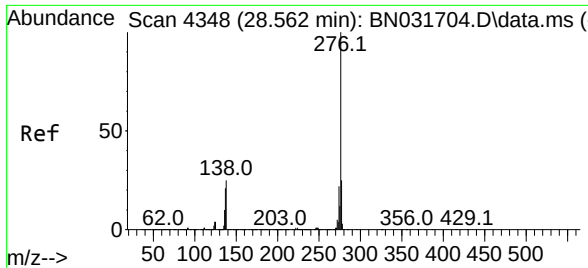
Delta R.T. 0.000 min

Lab File: BN031712.D

Acq: 30 May 2024 07:45

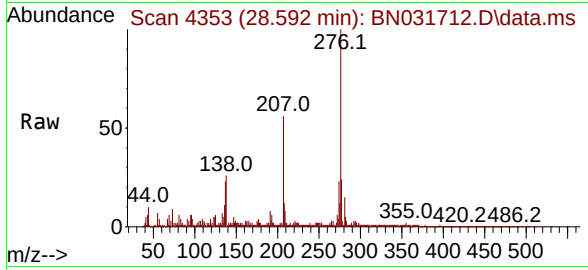
Tgt Ion:	278	Resp:	241067
Ion Ratio	Lower	Upper	
278	100		
139	23.3	15.0	22.6#
279	29.5	17.4	26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 8.483 ng/ul
 RT: 28.592 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: BN031712.D
 Acq: 30 May 2024 07:45

Instrument :
 BNA_N
 ClientSampleId :
 BH6A5



Tgt Ion: 276 Resp: 791079
 Ion Ratio Lower Upper
 276 100
 138 25.7 20.9 31.3
 277 23.8 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

