

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053024\
 Data File : BN031724.D
 Acq On : 30 May 2024 20:17
 Operator : MA/JU
 Sample : P2569-21DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH6A7DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 30 23:41:35 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	470907	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	2241835	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1527158	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	3170060	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	2495628	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	2127122	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	13664	1.200	ng/uL	0.00
4) Pyridine-d5	3.599	84	152640	4.764	ng/u1	0.00
7) Phenol-d5	6.852	99	271965	6.737	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	163255	6.914	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	215977	7.012	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	217740	6.617	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	113940	6.647	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	115250	6.509	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	229847	6.953	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	247888	5.051	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	850543	7.995	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	927135	7.579	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	108110	5.075	ng/u1	0.00
60) Fluorene-d10	15.322	176	757688	8.417	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	84195	5.284	ng/u1	0.00
73) Anthracene-d10	17.175	188	1157308	8.527	ng/u1	0.00
81) Pyrene-d10	19.475	212	1412793	10.579	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	948284	9.336	ng/u1	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	14.045	152	272695	1.972	ng/u1	98
52) Acenaphthene	14.392	153	100563	1.099	ng/u1	98
56) Dibenzofuran	14.728	168	207489	1.669	ng/u1	97
61) Fluorene	15.375	166	231023	2.308	ng/u1	99
72) Phenanthrene	17.116	178	5757613	35.654	ng/u1	99
74) Anthracene	17.204	178	1146885	7.009	ng/u1	99
80) Fluoranthene	19.139	202	7842171	49.136	ng/u1	100
82) Pyrene	19.504	202	6999841	42.747	ng/u1	98
85) Benzo(a)anthracene	21.292	228	3378128	20.223	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.221	149	295371	2.620	ng/u1	97
87) Chrysene	21.351	228	2977939	19.086	ng/u1	95
90) Benzo(b)fluoranthene	23.327	252	2655378	20.885	ng/u1	98
91) Benzo(k)fluoranthene	23.380	252	997917	7.999	ng/u1	99
93) Benzo(a)pyrene	24.115	252	1810378	15.203	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.556	276	945595m	6.891	ng/u1	
95) Dibenzo(a,h)anthracene	27.592	278	264280m	2.359	ng/u1	
96) Benzo(g,h,i)perylene	28.586	276	798952m	7.324	ng/u1	

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

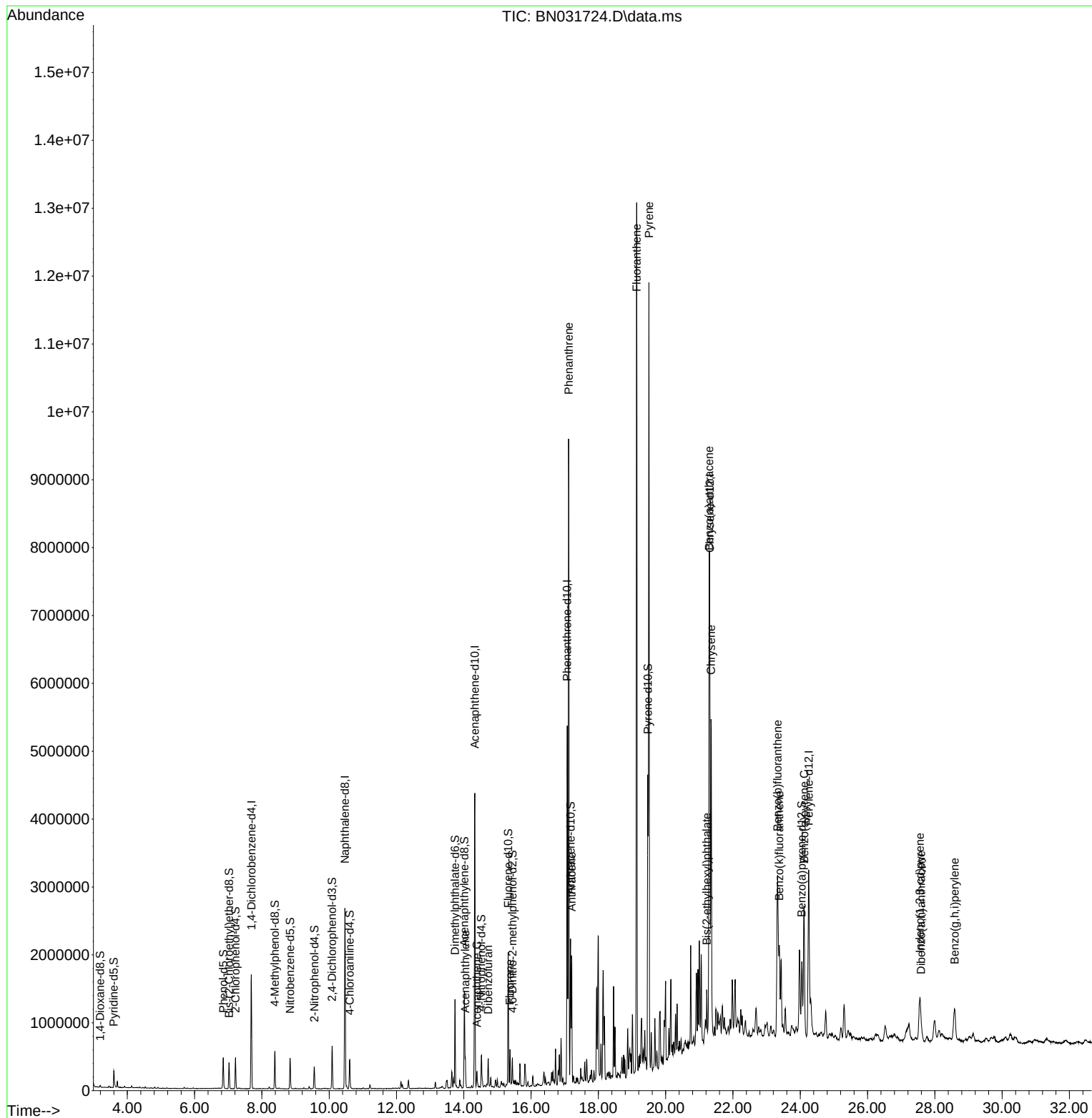
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Data File : BN031724.D
Acq On : 30 May 2024 20:17
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ALS Vial : 6 Sample Multiplier: 1

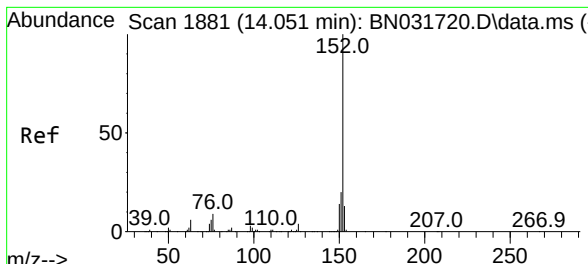
Instrument :
BNA_N
ClientSampleId :
BH6A7DL

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration





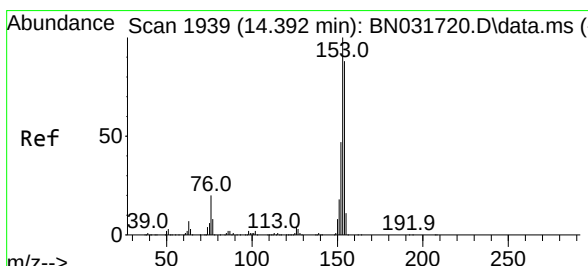
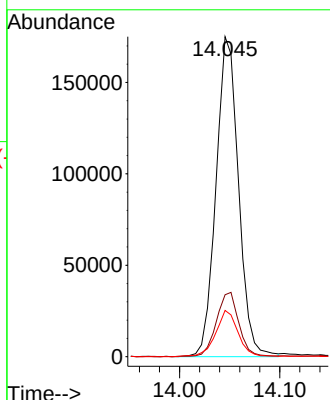
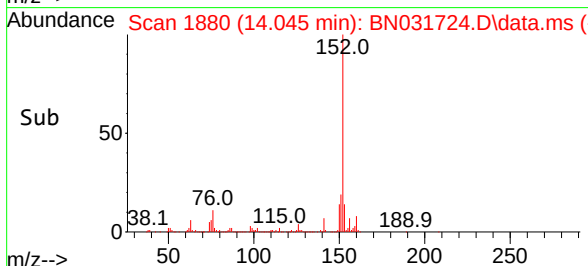
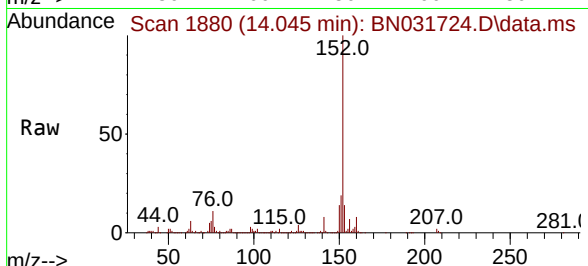
#50
 Acenaphthylene
 Concen: 1.972 ng/ul
 RT: 14.045 min Scan# 1880
 Delta R.T. -0.000 min
 Lab File: BN031724.D
 Acq: 30 May 2024 20:17

Instrument : BNA_N
 ClientSampleId : BH6A7DL

Tgt Ion:152	Resp: 27269
Ion Ratio	Lower Upper
152	100
151	19.4 15.9 23.9
153	14.5 10.4 15.6

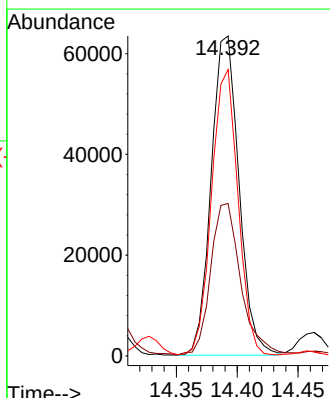
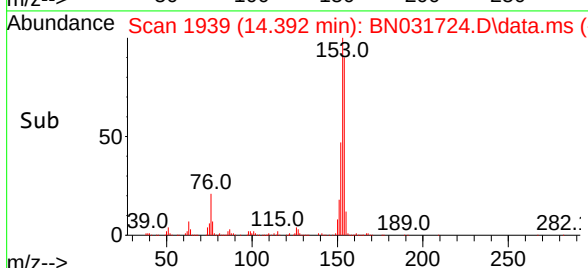
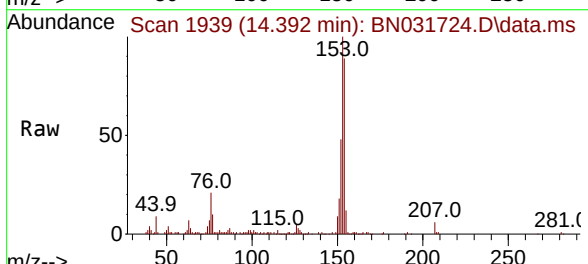
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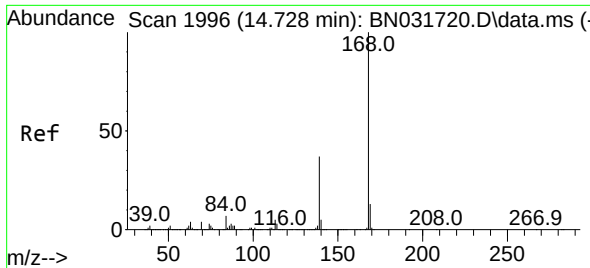
Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024



#52
 Acenaphthene
 Concen: 1.099 ng/ul
 RT: 14.392 min Scan# 1939
 Delta R.T. 0.006 min
 Lab File: BN031724.D
 Acq: 30 May 2024 20:17

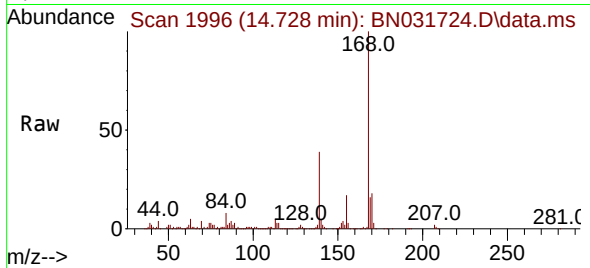
Tgt Ion:153	Resp: 100563
Ion Ratio	Lower Upper
153	100
152	47.7 37.8 56.6
154	89.5 69.8 104.8





#56
Dibenzenofuran
Concen: 1.669 ng/ul
RT: 14.728 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17

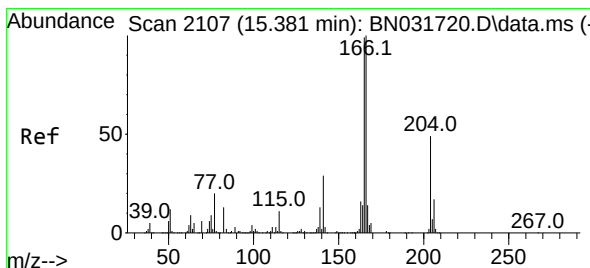
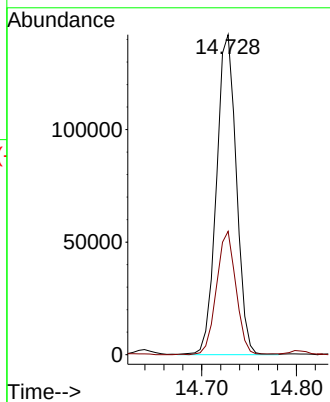
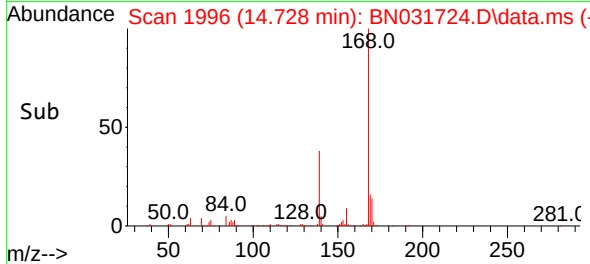
Instrument :
BNA_N
ClientSampleId :
BH6A7DL



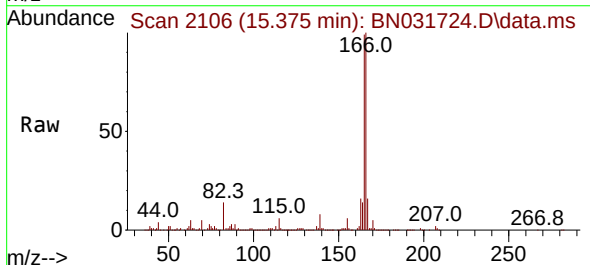
Tgt Ion:168 Resp: 207489
Ion Ratio Lower Upper
168 100
139 38.5 29.4 44.0

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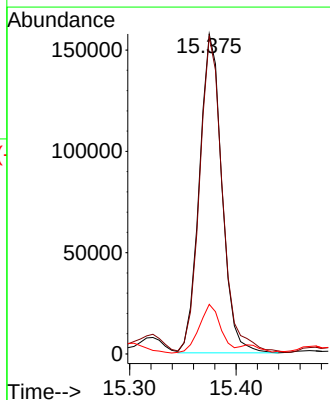
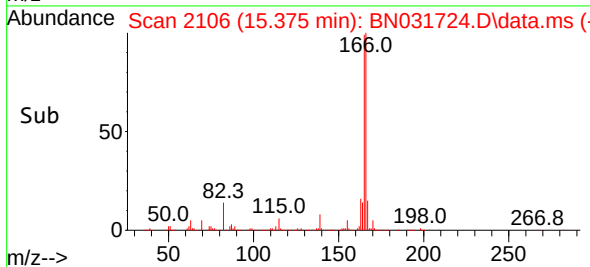
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

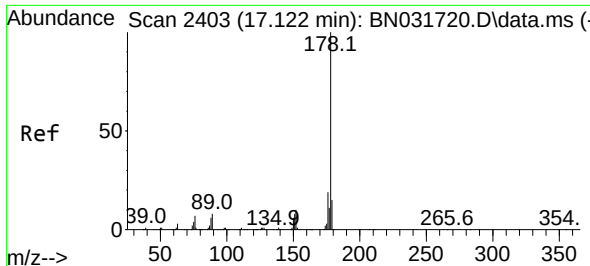


#61
Fluorene
Concen: 2.308 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17



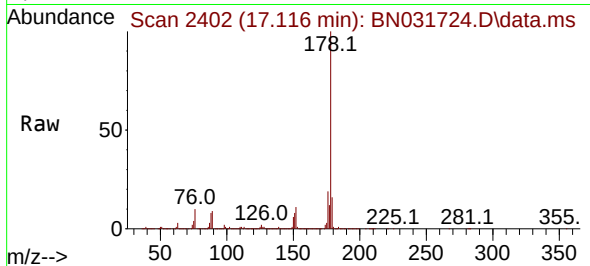
Tgt Ion:166 Resp: 231023
Ion Ratio Lower Upper
166 100
165 99.2 80.3 120.5
167 15.5 11.3 16.9





#72
Phenanthrene
Concen: 35.654 ng/u1
RT: 17.116 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17

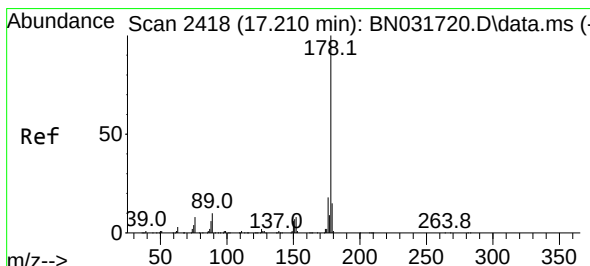
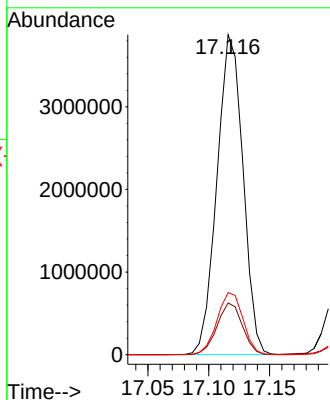
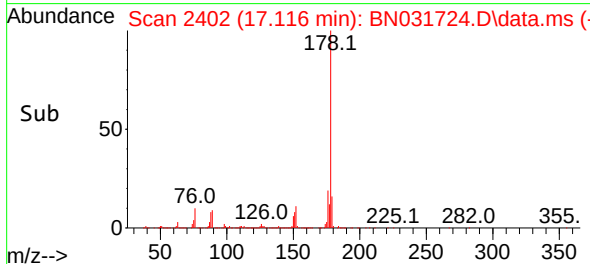
Instrument :
BNA_N
ClientSampleId :
BH6A7DL



Tgt Ion:178 Resp: 5757611
Ion Ratio Lower Upper
178 100
179 16.1 12.6 19.0
176 19.4 15.8 23.6

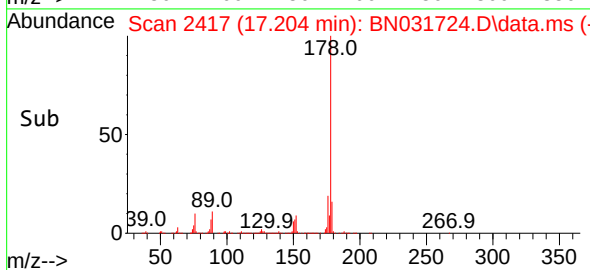
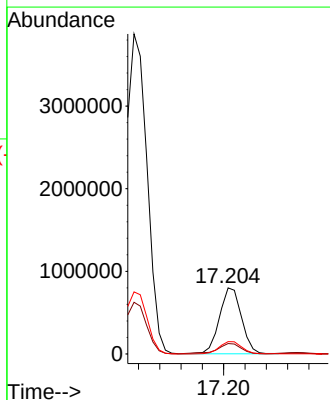
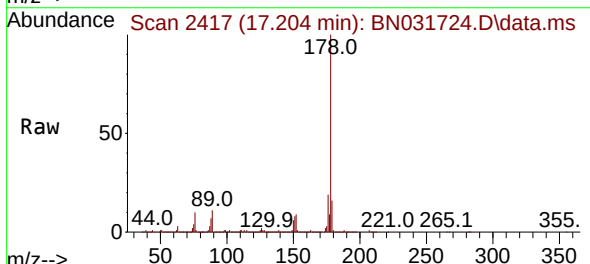
Manual Integrations
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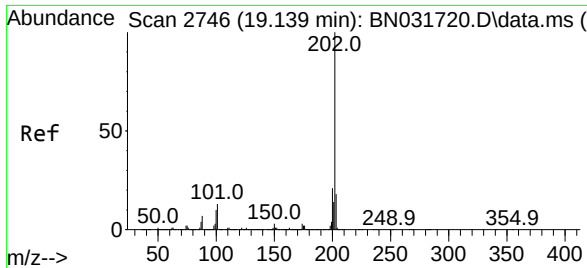
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#74
Anthracene
Concen: 7.009 ng/u1
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17

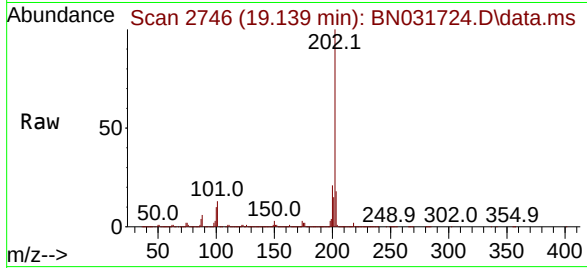
Tgt Ion:178 Resp: 1146885
Ion Ratio Lower Upper
178 100
179 15.8 11.8 17.6
176 18.6 14.8 22.2





#80
 Fluoranthene
 Concen: 49.136 ng/ul
 RT: 19.139 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BN031724.D
 Acq: 30 May 2024 20:17

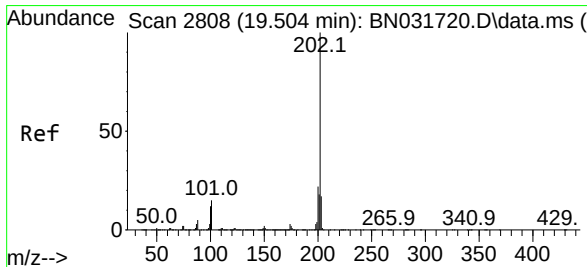
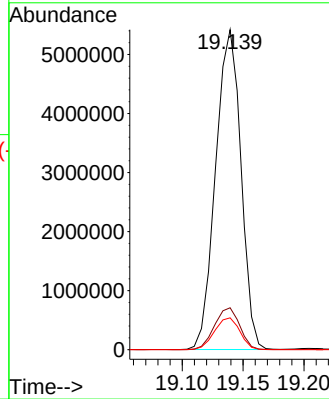
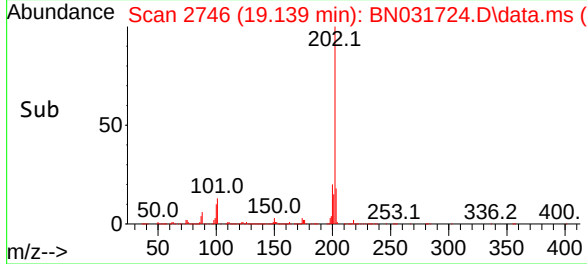
Instrument :
 BNA_N
 ClientSampleId :
 BH6A7DL



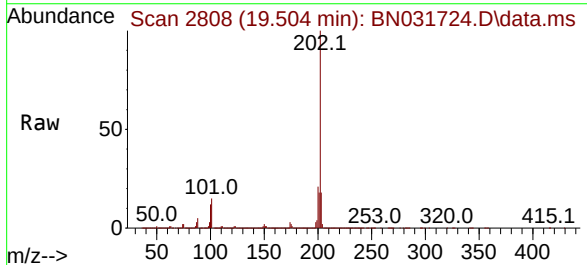
Tgt Ion:202 Resp: 784217
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.3 15.5
 100 10.0 8.0 12.0

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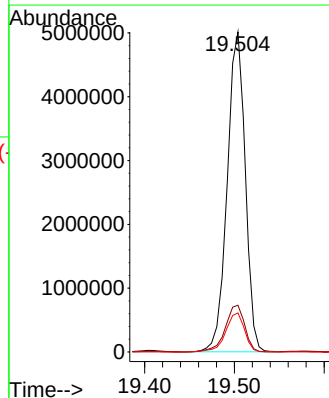
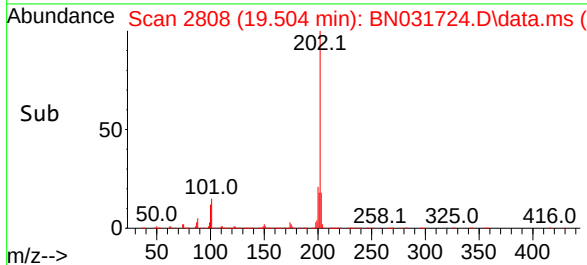
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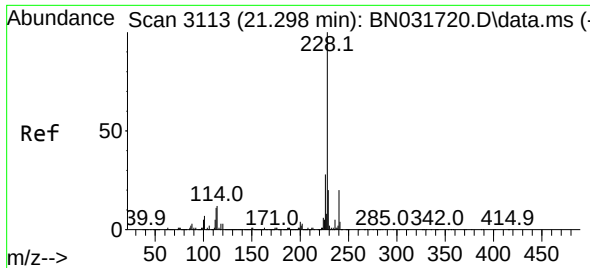


#82
 Pyrene
 Concen: 42.747 ng/ul
 RT: 19.504 min Scan# 2808
 Delta R.T. 0.012 min
 Lab File: BN031724.D
 Acq: 30 May 2024 20:17



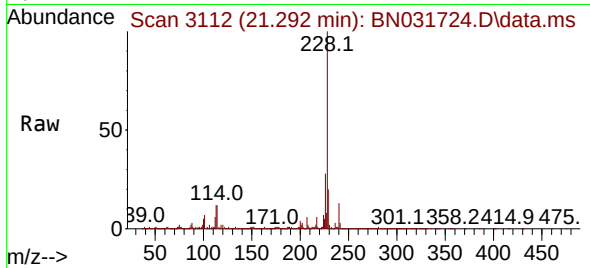
Tgt Ion:202 Resp: 6999841
 Ion Ratio Lower Upper
 202 100
 101 14.6 12.6 18.8
 100 12.2 10.2 15.2





#85
Benzo(a)anthracene
Concen: 20.223 ng/ul
RT: 21.292 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17

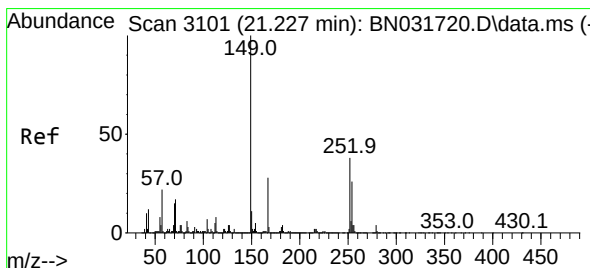
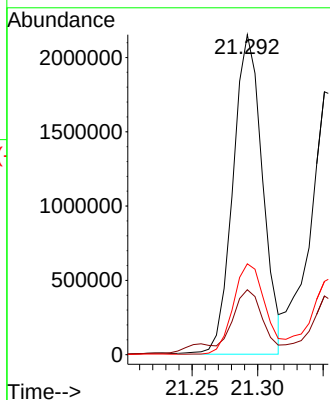
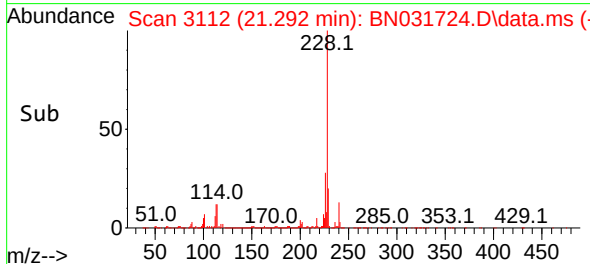
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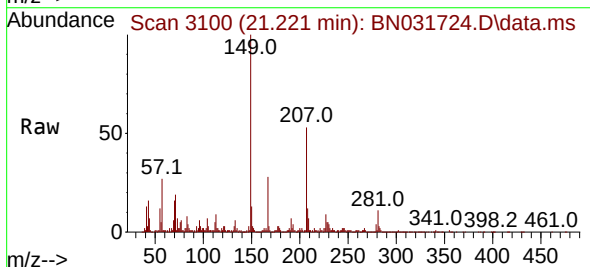
Tgt Ion:228 Resp: 3378128
Ion Ratio Lower Upper
228 100
229 20.3 16.7 25.1
226 28.4 22.8 34.2

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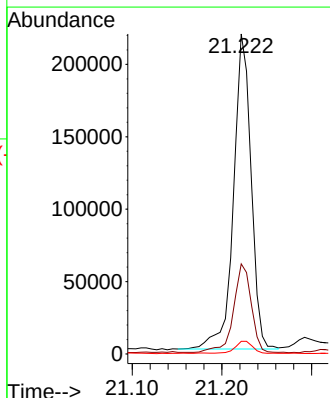
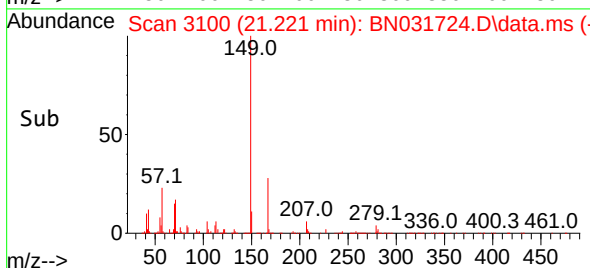
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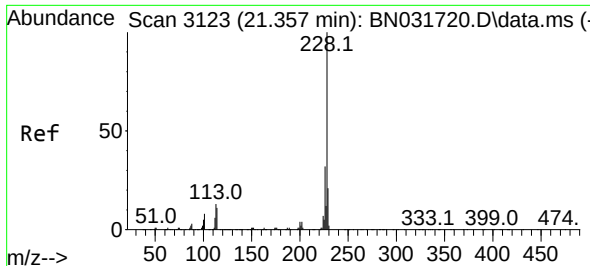


#86
Bis(2-ethylhexyl)phthalate
Concen: 2.620 ng/ul
RT: 21.221 min Scan# 3100
Delta R.T. -0.000 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17



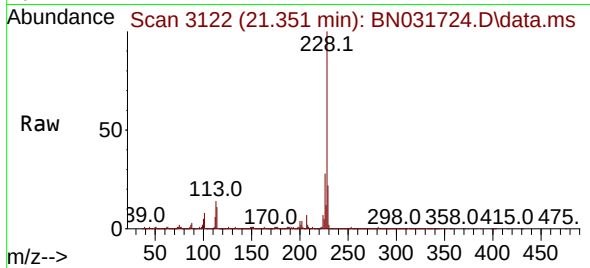
Tgt Ion:149 Resp: 295371
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.0
279 4.0 3.3 4.9





#87
Chrysene
Concen: 19.086 ng/ul
RT: 21.351 min Scan# 3122
Delta R.T. -0.000 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17

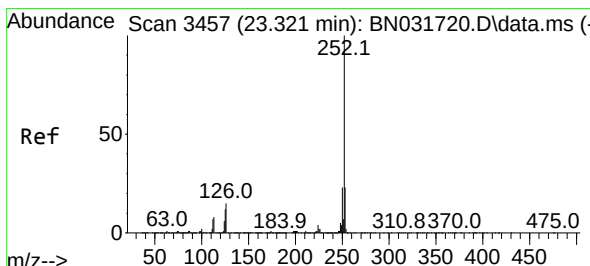
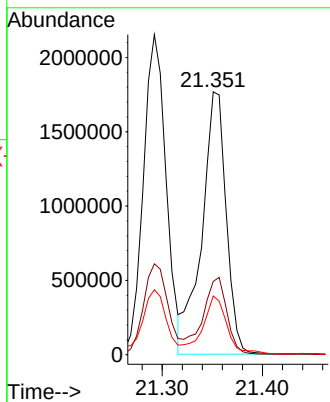
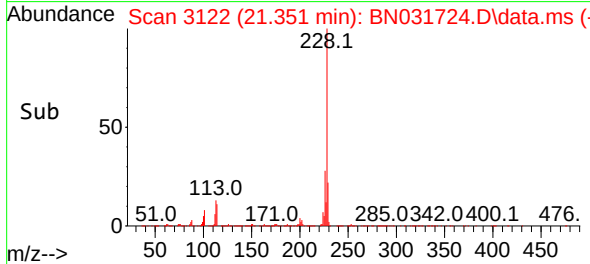
Instrument :
BNA_N
ClientSampleId :
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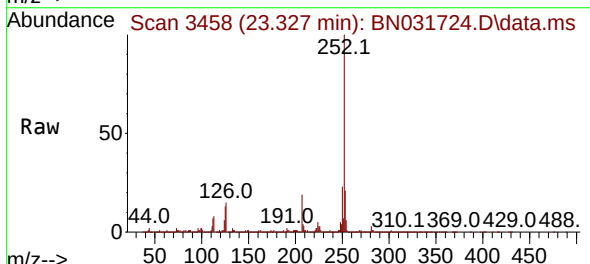
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Ion Ratio Lower Upper
228 100
226 27.9 23.7 35.5
229 22.4 15.1 22.7

Manual Integrations
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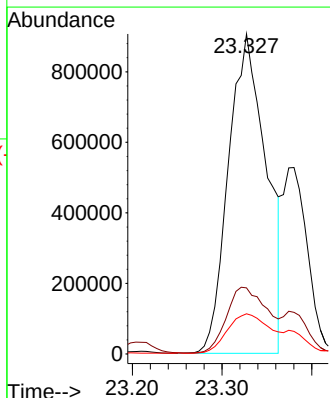
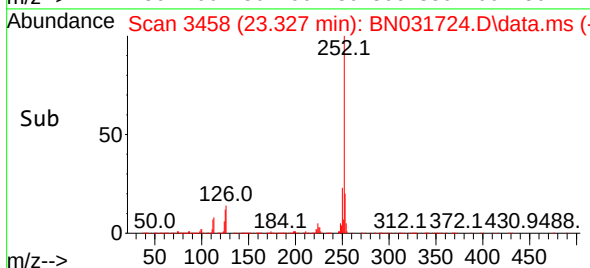
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

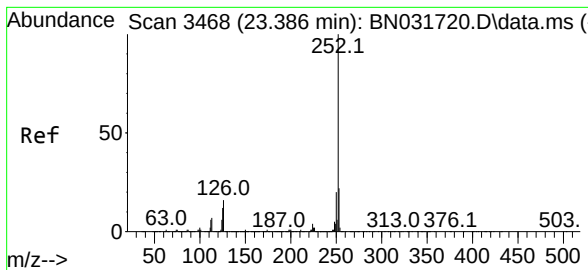


#90
Benzo(b)fluoranthene
Concen: 20.885 ng/ul
RT: 23.327 min Scan# 3458
Delta R.T. 0.018 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17



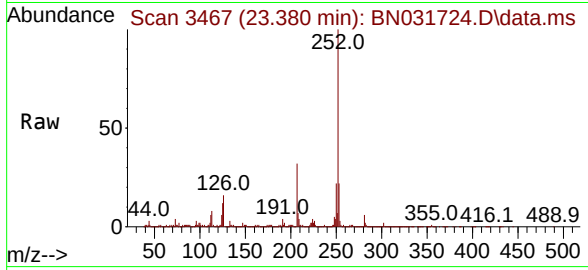
Tgt Ion:252 Resp: 2655378
Ion Ratio Lower Upper
252 100
253 20.6 17.0 25.6
125 12.6 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 7.999 ng/uI
RT: 23.380 min Scan# 3468
Delta R.T. 0.006 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17

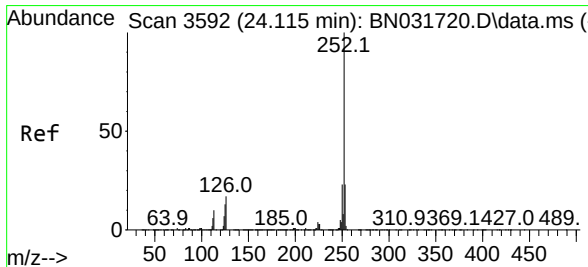
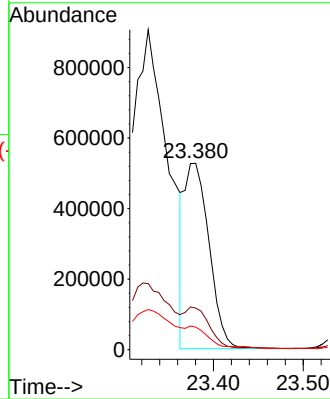
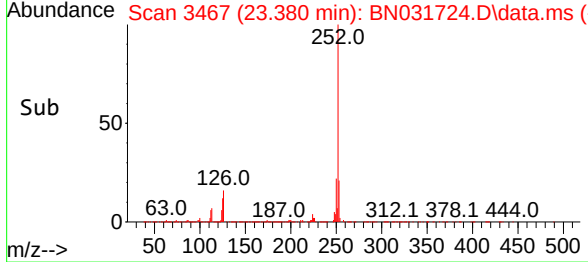
Instrument :
BNA_N
ClientSampleId :
BH6A7DL



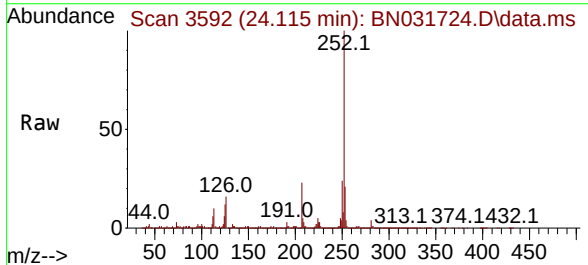
Tgt Ion:252 Resp: 997917
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 12.1 9.4 14.2

Manual Integrations
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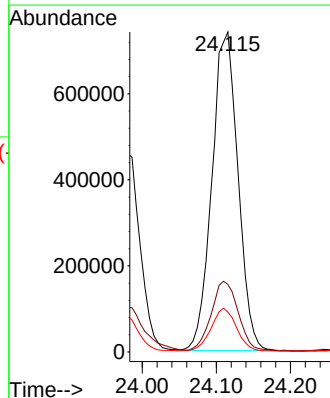
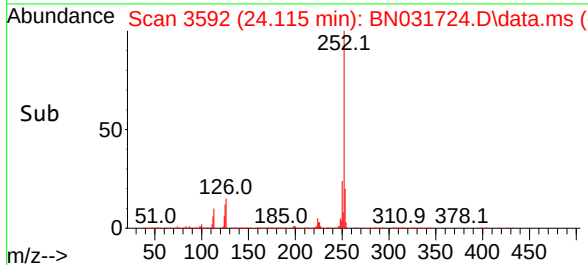
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

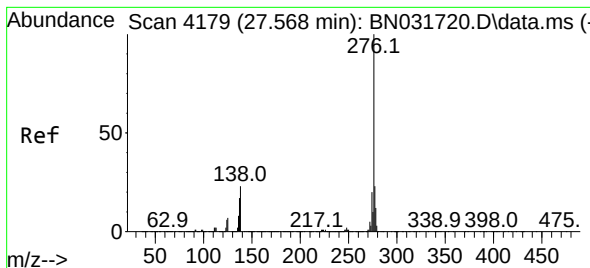


#93
Benzo(a)pyrene
Concen: 15.203 ng/uI
RT: 24.115 min Scan# 3592
Delta R.T. 0.012 min
Lab File: BN031724.D
Acq: 30 May 2024 20:17



Tgt Ion:252 Resp: 1810378
Ion Ratio Lower Upper
252 100
253 21.1 16.6 24.8
125 12.4 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.891 ng/ul m

RT: 27.556 min Scan# 4177

Delta R.T. 0.023 min

Lab File: BN031724.D

Acq: 30 May 2024 20:17

Instrument :

BNA_N

ClientSampleId :

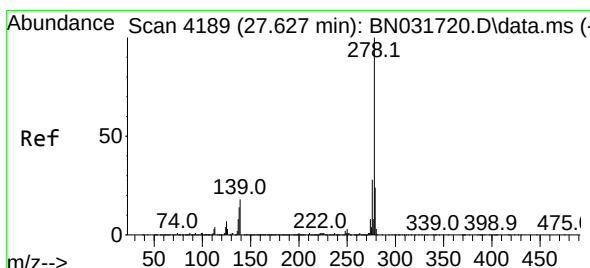
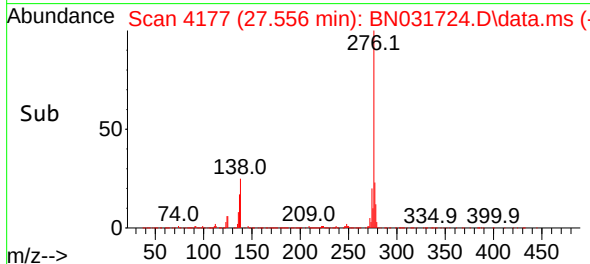
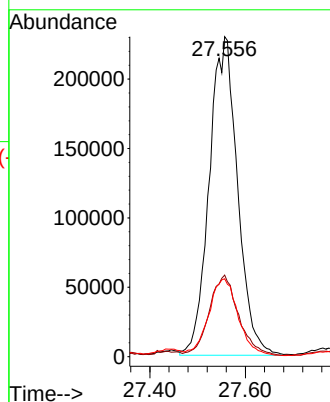
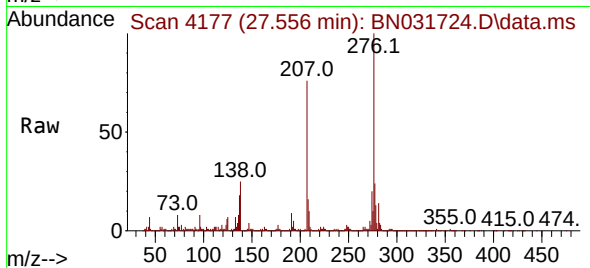
BH6A7DL

Tgt Ion:	276	Resp:	94559
Ion Ratio	Lower	Upper	
276	100		
138	25.5	18.1	27.1
277	24.4	18.2	27.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.359 ng/ul m

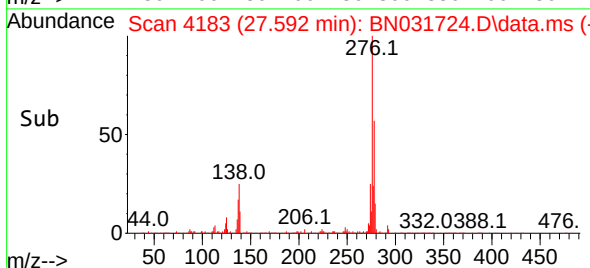
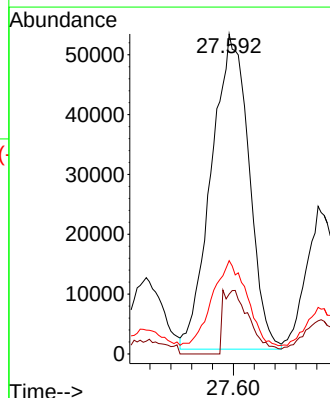
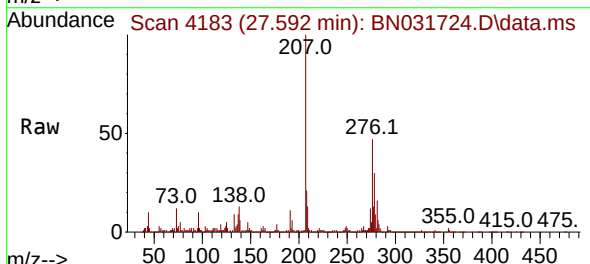
RT: 27.592 min Scan# 4183

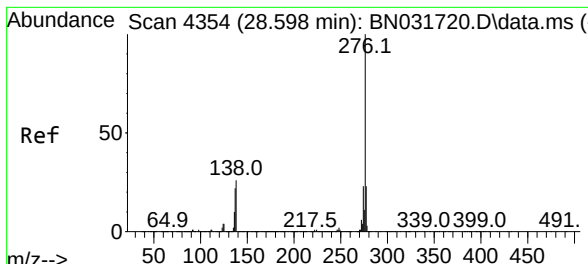
Delta R.T. -0.012 min

Lab File: BN031724.D

Acq: 30 May 2024 20:17

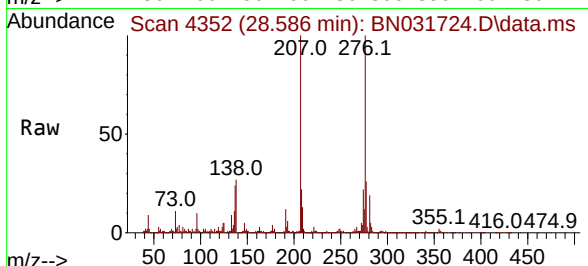
Tgt Ion:	278	Resp:	264280
Ion Ratio	Lower	Upper	
278	100		
139	18.7	15.0	22.6
279	29.1	17.4	26.0





#96
 Benzo(g,h,i)perylene
 Concen: 7.324 ng/ul m
 RT: 28.586 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BN031724.D
 Acq: 30 May 2024 20:17

Instrument :
 BNA_N
 ClientSampleId :
 BH6A7DL



Tgt Ion:276 Resp: 798952
 Ion Ratio Lower Upper
 276 100
 138 27.4 20.9 31.3
 277 25.5 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

