

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031799.D
 Acq On : 05 Jun 2024 14:28
 Operator : MA/JU
 Sample : P2591-11DL2 30X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ2DL2

Quant Time: Jun 06 00:50:01 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

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 ahmed

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 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	258323	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.457	136	1201284	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.316	164	821825	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.069	188	1816212	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1786720	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	2237324	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	847m	0.136	ng/uL	0.00
4) Pyridine-d5	3.623	84	9944m	0.566	ng/u1	0.02
7) Phenol-d5	6.846	99	22504	1.016	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.016	67	12475	0.963	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.211	132	17573	1.040	ng/u1	0.00
15) 4-Methylphenol-d8	8.381	113	17754	0.983	ng/u1	0.00
21) Nitrobenzene-d5	8.828	128	8801	0.958	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	8866	0.934	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	17601	0.994	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	14480	0.551	ng/u1	0.00
46) Dimethylphthalate-d6	13.734	166	60286	1.053	ng/u1	-0.01
49) Acenaphthylene-d8	14.010	160	65725	0.998	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.310	176	53627	1.107	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.163	188	88295	1.136	ng/u1	0.00
81) Pyrene-d10	19.463	212	105088	1.099	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	93438	0.875	ng/u1	0.00

Target Compounds					Qvalue
30) Naphthalene	10.505	128	184751	2.972	ng/u1 98
36) 2-Methylnaphthalene	12.128	142	66893	1.574	ng/u1 99
37) 1-Methylnaphthalene	12.346	142	58160	1.364	ng/u1 92
50) Acenaphthylene	14.040	152	74930	1.007	ng/u1# 96
52) Acenaphthene	14.381	153	213316	4.333	ng/u1 98
56) Dibenzofuran	14.716	168	324897	4.858	ng/u1 96
61) Fluorene	15.369	166	261946	4.864	ng/u1 96
72) Phenanthrene	17.110	178	6391125	69.078	ng/u1 99
74) Anthracene	17.198	178	1375097	14.668	ng/u1 99
77) Carbazole	17.475	167	934941	11.696	ng/u1 99
80) Fluoranthene	19.133	202	9744079	85.276	ng/u1 99
82) Pyrene	19.498	202	7608394	64.898	ng/u1 98
85) Benzo(a)anthracene	21.286	228	5118141	42.796	ng/u1 97
86) Bis(2-ethylhexyl)phtha...	21.216	149	82279	1.019	ng/u1 98
87) Chrysene	21.351	228	4835521	43.287	ng/u1 95
90) Benzo(b)fluoranthene	23.327	252	6737563	50.382	ng/u1 99
91) Benzo(k)fluoranthene	23.380	252	2287203	17.430	ng/u1 100
93) Benzo(a)pyrene	24.116	252	3203582	25.577	ng/u1 97
94) Indeno(1,2,3-cd)pyrene	27.551	276	2334582	16.175	ng/u1 99
95) Dibenzo(a,h)anthracene	27.586	278	746936m	6.339	ng/u1
96) Benzo(g,h,i)perylene	28.580	276	296082	2.581	ng/u1 96

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

Instrument :

BNA_N

ClientSampleId :

BHBQ2DL2

Manual Integrations

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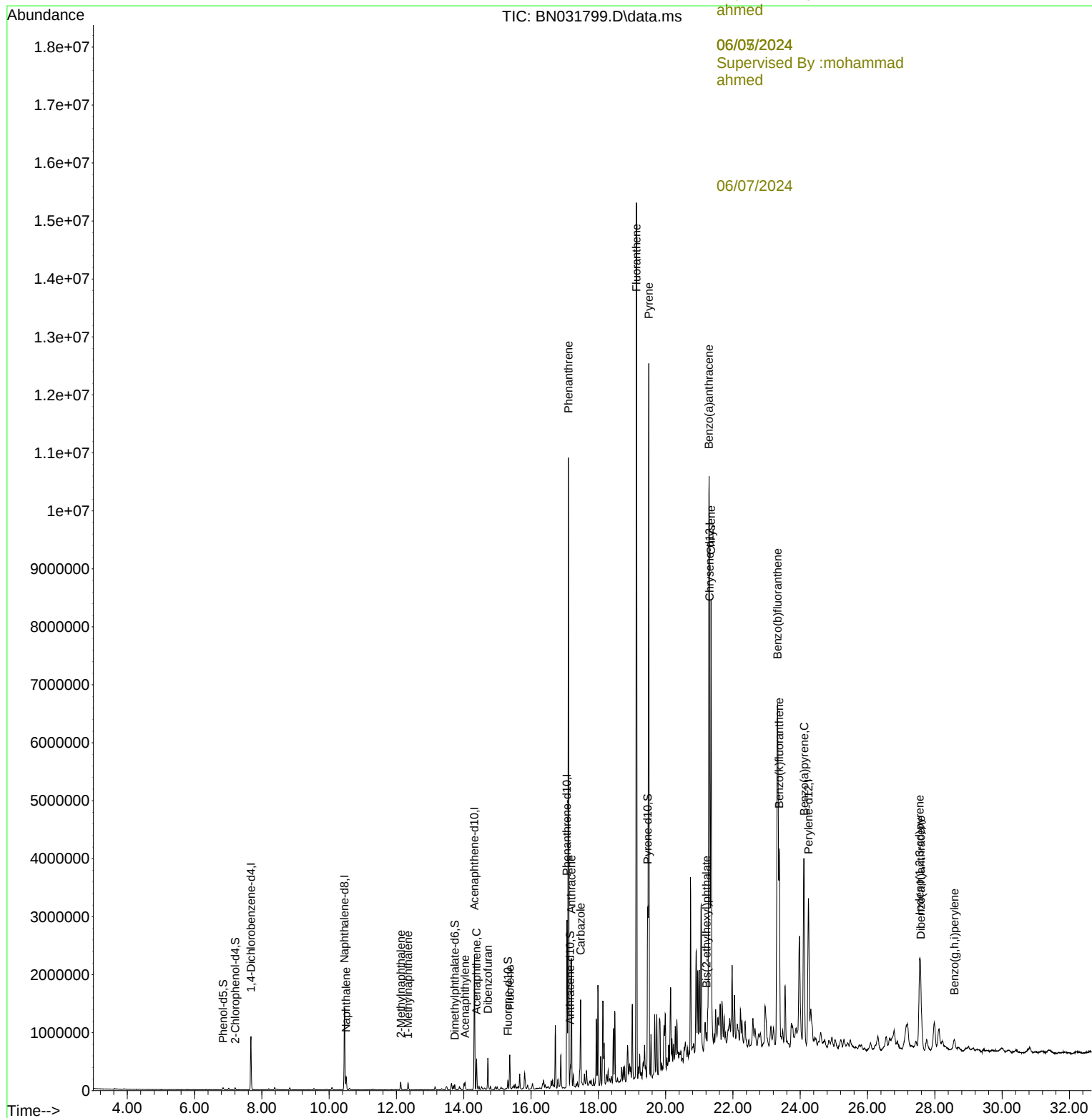
Manual Integrations
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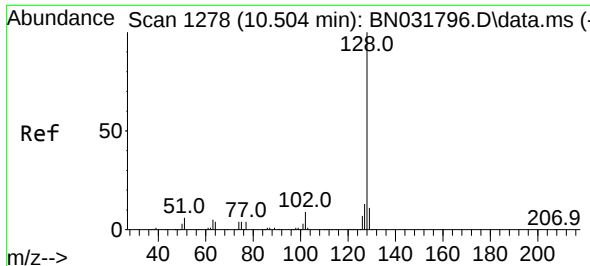
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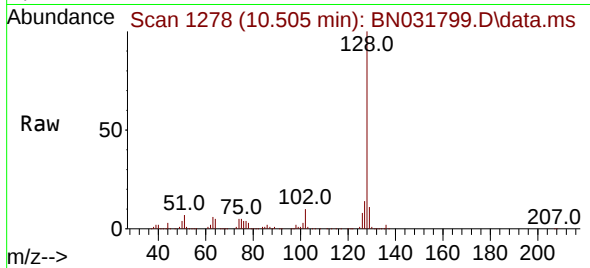
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#30
Naphthalene
Concen: 2.972 ng/ul
RT: 10.505 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN031799.D
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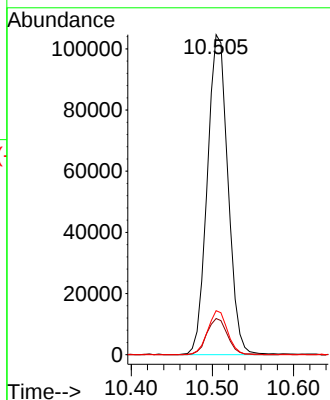
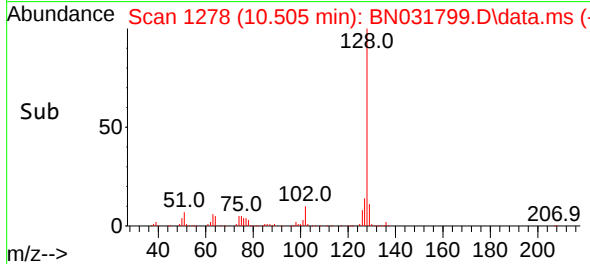
Instrument :
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BHBQ2DL2



Tgt Ion:128 Resp: 18475
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 13.8 10.3 15.5

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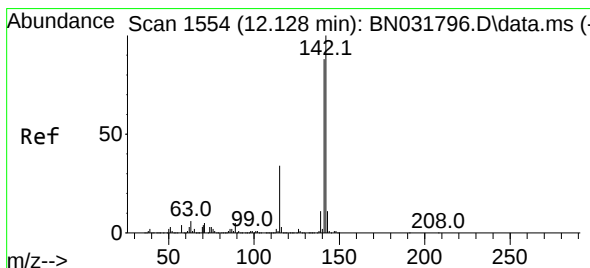
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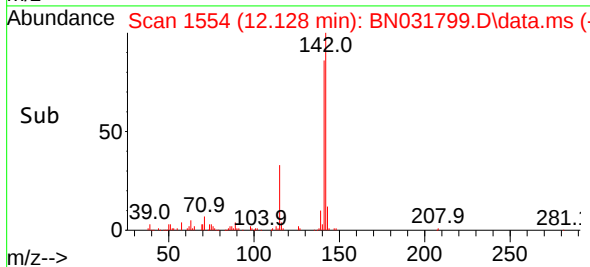
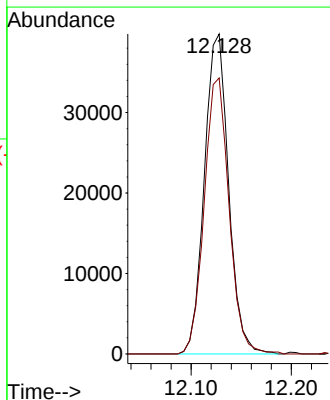
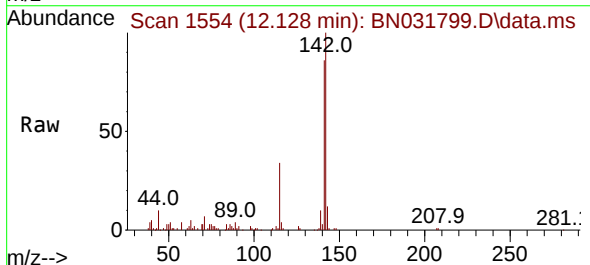
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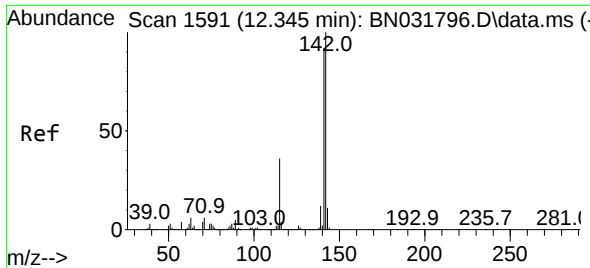
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#36
2-Methylnaphthalene
Concen: 1.574 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

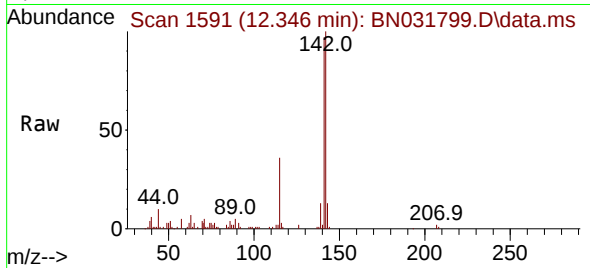
Tgt Ion:142 Resp: 66893
Ion Ratio Lower Upper
142 100
141 86.2 70.1 105.1





#37
1-Methylnaphthalene
Concen: 1.364 ng/ul
RT: 12.346 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

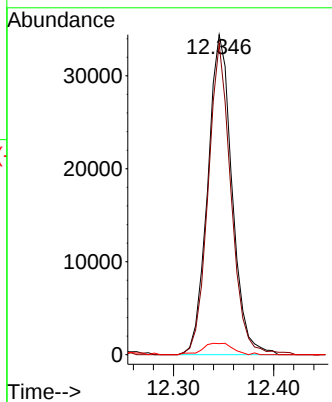
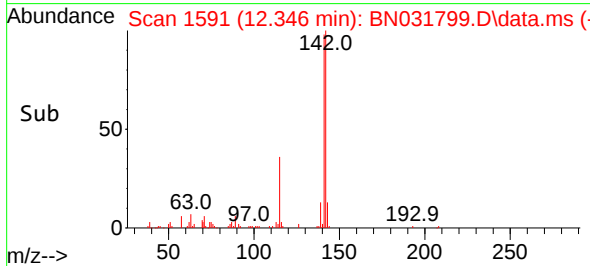
Instrument :
BNA_N
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Tgt Ion:142 Resp: 58160
Ion Ratio Lower Upper
142 100
141 97.3 71.7 107.5
116 3.4 3.0 4.4

Manual Integrations
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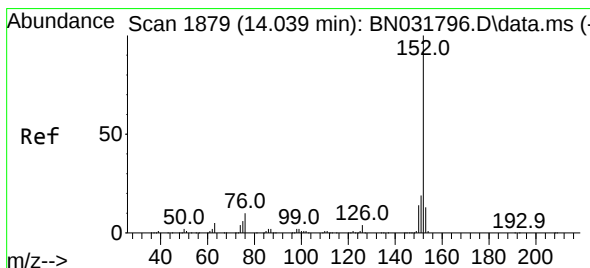
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



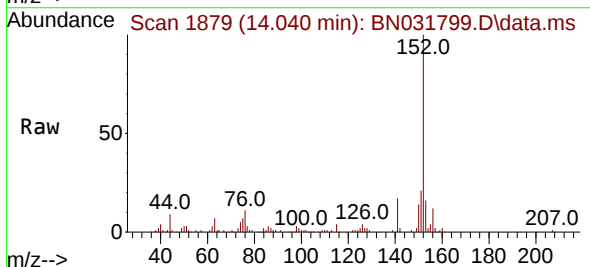
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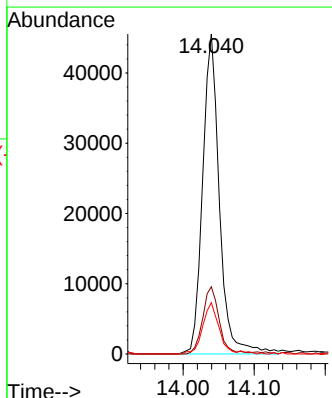
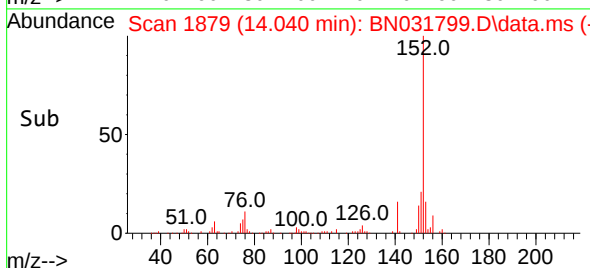
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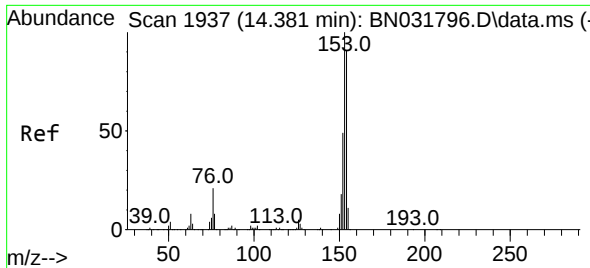


#50
Acenaphthylene
Concen: 1.007 ng/ul
RT: 14.040 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28



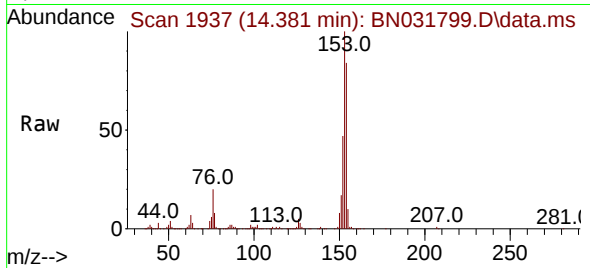
Tgt Ion:152 Resp: 74930
Ion Ratio Lower Upper
152 100
151 21.0 15.9 23.9
153 16.0 10.4 15.6





#52
Acenaphthene
Concen: 4.333 ng/ul
RT: 14.381 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

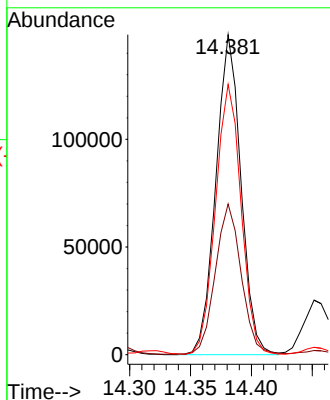
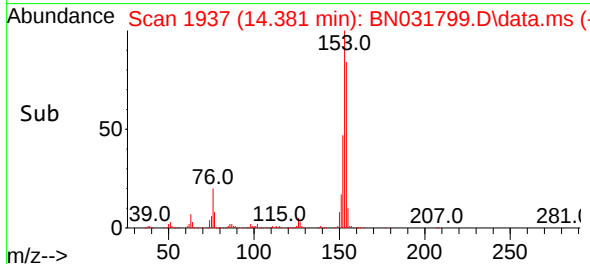
Instrument :
BNA_N
ClientSampleId :
BHBQ2DL2



Tgt Ion:153 Resp: 213310
Ion Ratio Lower Upper
153 100
152 47.1 37.8 56.6
154 84.5 69.8 104.8

Manual Integrations
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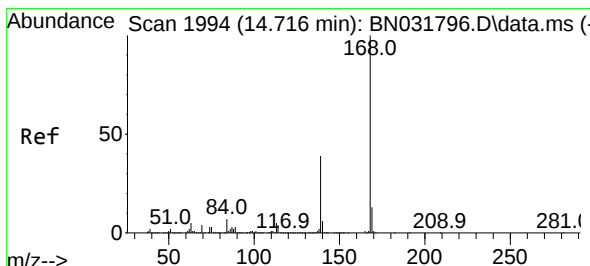
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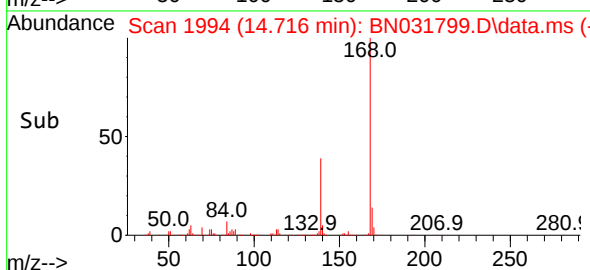
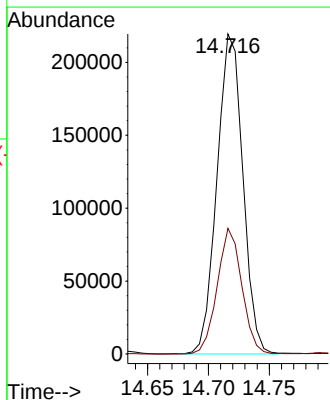
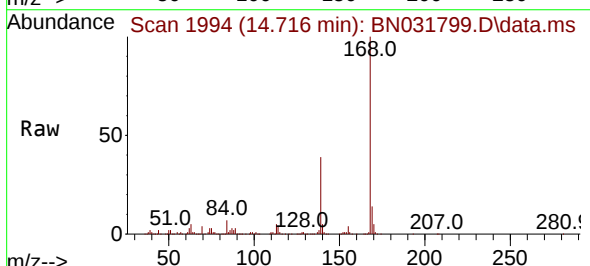
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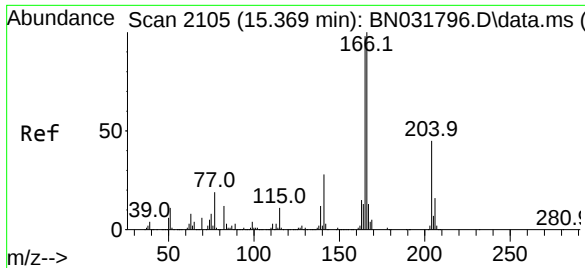
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#56
Dibenzofuran
Concen: 4.858 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

Tgt Ion:168 Resp: 324897
Ion Ratio Lower Upper
168 100
139 39.3 29.4 44.0





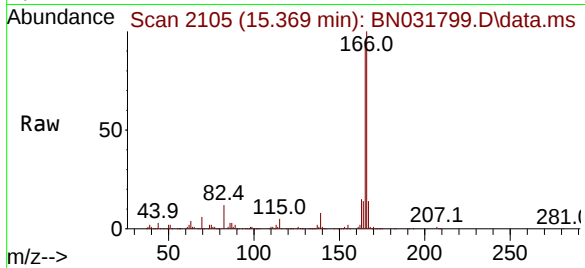
#61
Fluorene
Concen: 4.864 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

Instrument :

BNA_N

ClientSampleId :

BHBQ2DL2



Tgt Ion:166 Resp: 261940
Ion Ratio Lower Upper
166 100
165 95.4 80.3 120.5
167 14.5 11.3 16.9

Manual Integrations

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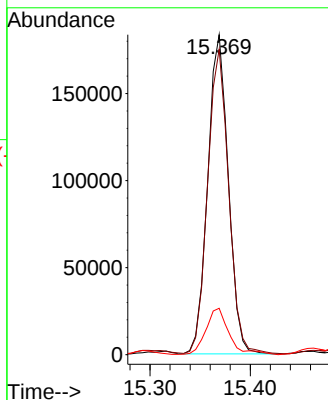
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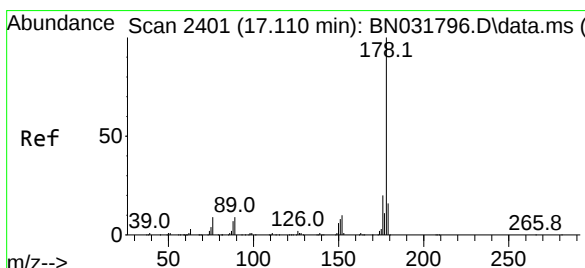
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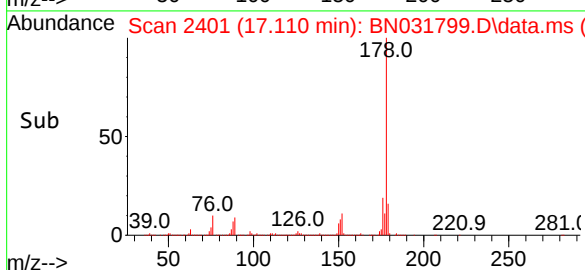
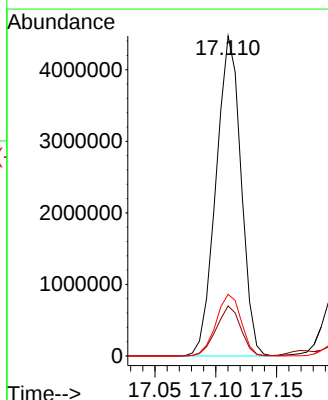
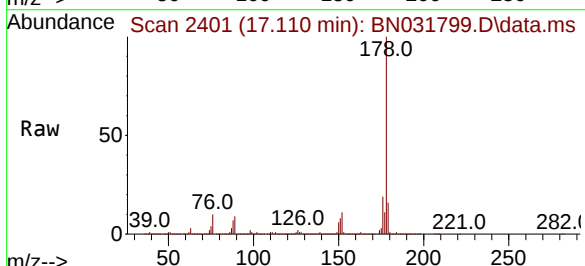


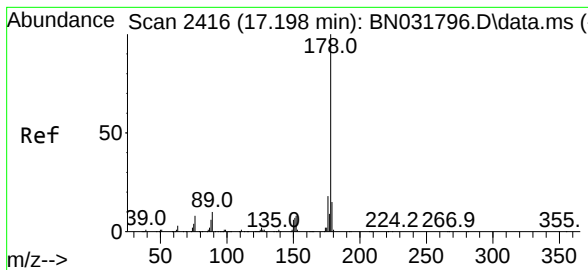
06/07/2024



#72
Phenanthrene
Concen: 69.078 ng/ul
RT: 17.110 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

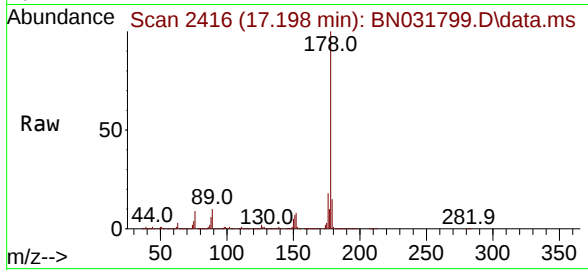
Tgt Ion:178 Resp: 6391125
Ion Ratio Lower Upper
178 100
179 15.7 12.6 19.0
176 19.3 15.8 23.6





#74
 Anthracene
 Concen: 14.668 ng/ul
 RT: 17.198 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BN031799.D
 Acq: 05 Jun 2024 14:28

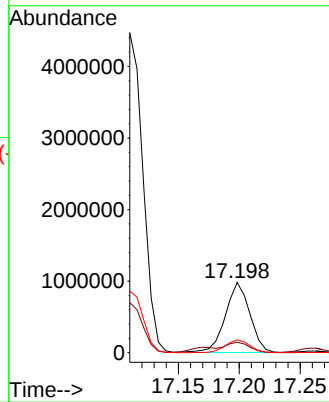
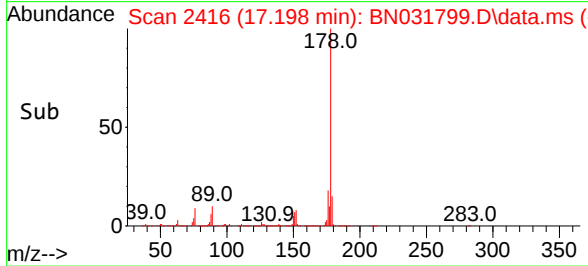
Instrument :
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Tgt Ion:178 Resp: 137509
 Ion Ratio Lower Upper
 178 100
 179 14.8 11.8 17.6
 176 18.1 14.8 22.2

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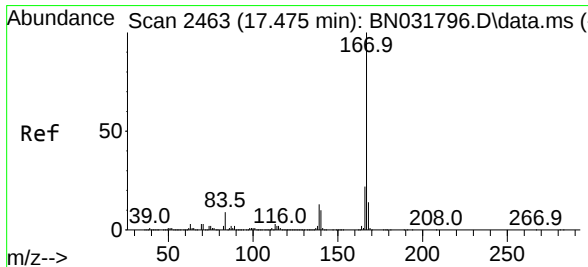
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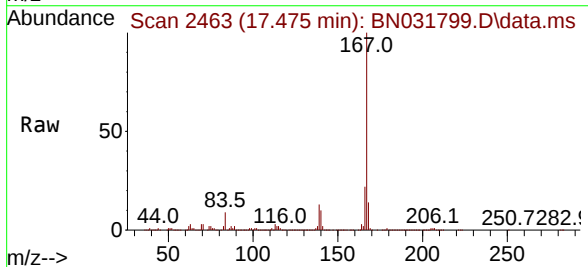
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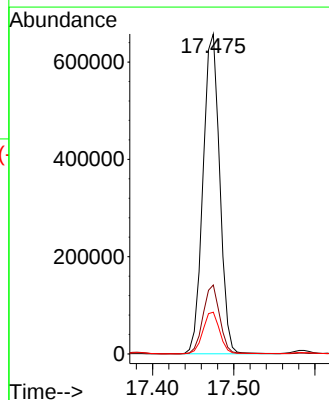
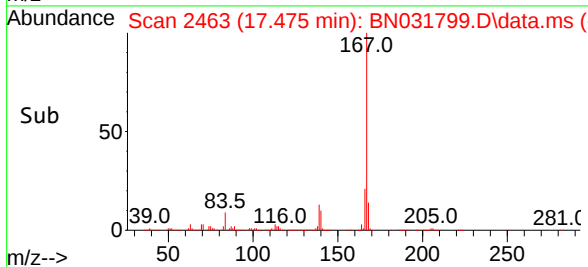
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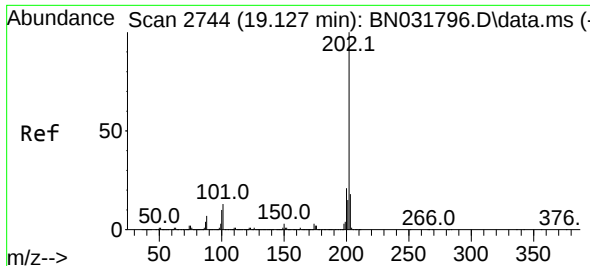


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 Carbazole
 Concen: 11.696 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. 0.000 min
 Lab File: BN031799.D
 Acq: 05 Jun 2024 14:28



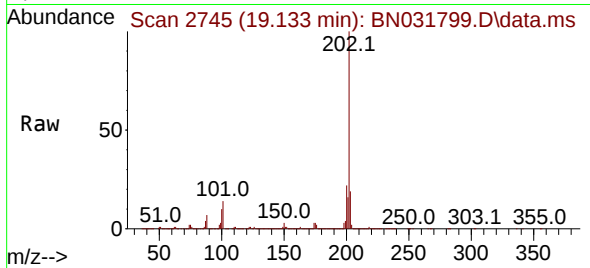
Tgt Ion:167 Resp: 934941
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.9 26.9
 139 13.1 10.5 15.7





#80
Fluoranthene
Concen: 85.276 ng/u1
RT: 19.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN031799.D
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BHBQ2DL2



Tgt Ion:202 Resp: 9744079
Ion Ratio Lower Upper
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101 13.5 10.3 15.5
100 10.3 8.0 12.0

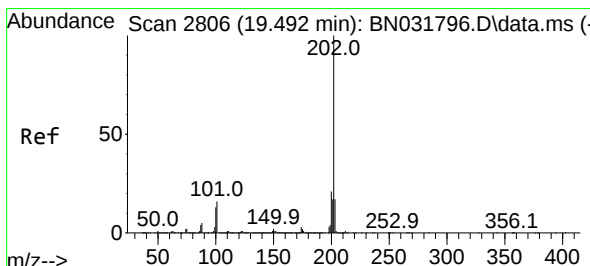
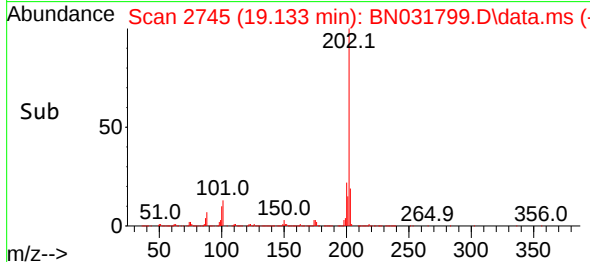
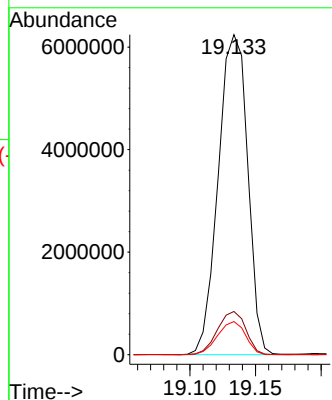
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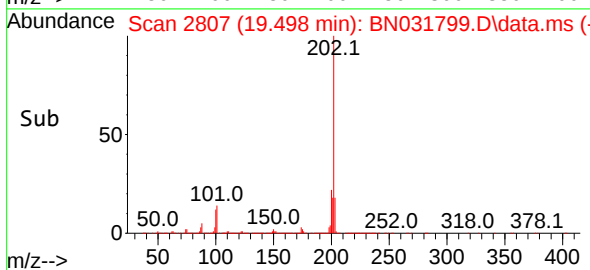
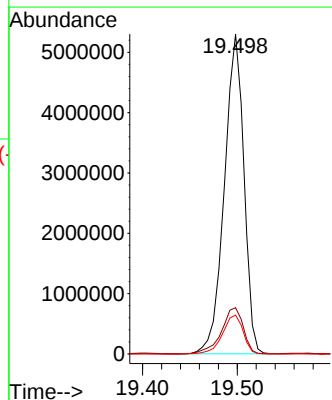
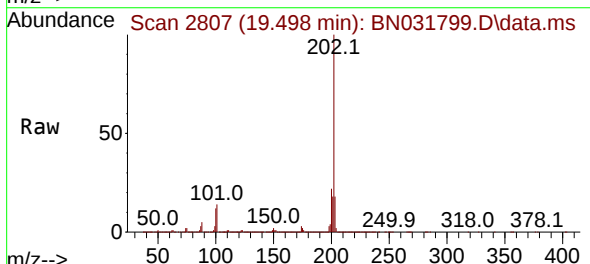
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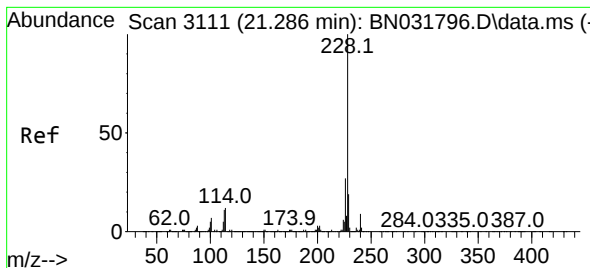
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#82
Pyrene
Concen: 64.898 ng/u1
RT: 19.498 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

Tgt Ion:202 Resp: 7608394
Ion Ratio Lower Upper
202 100
101 14.5 12.6 18.8
100 12.1 10.2 15.2





#85

Benzo(a)anthracene

Concen: 42.796 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BN031799.D

Acq: 05 Jun 2024 14:28

Instrument :

BNA_N

ClientSampleId :

BHBQ2DL2

Tgt Ion:228 Resp: 511814

Ion Ratio Lower Upper

228 100

229 19.8 16.7 25.1

226 26.3 22.8 34.2

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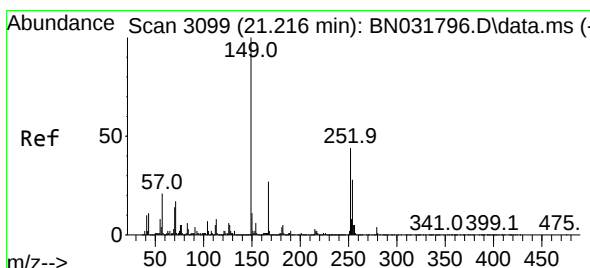
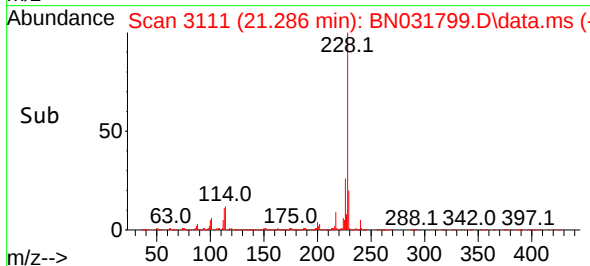
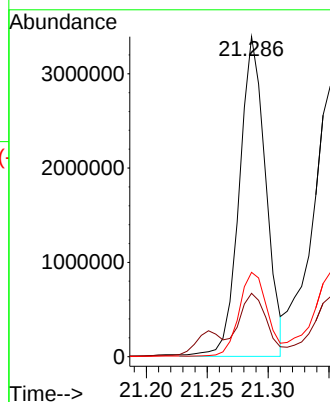
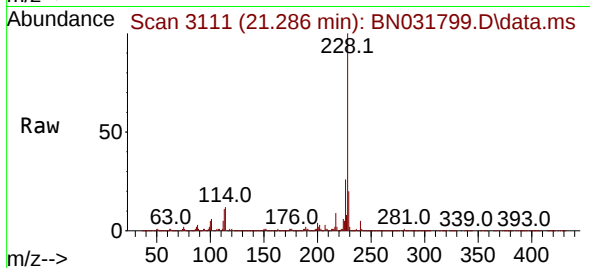
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#86

Bis(2-ethylhexyl)phthalate

Concen: 1.019 ng/ul

RT: 21.216 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BN031799.D

Acq: 05 Jun 2024 14:28

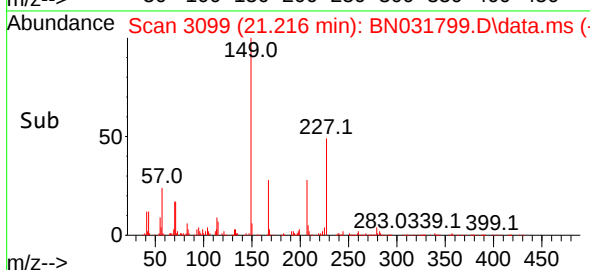
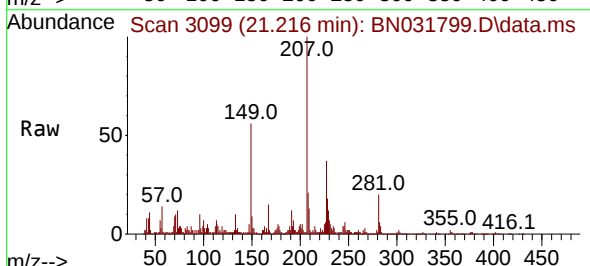
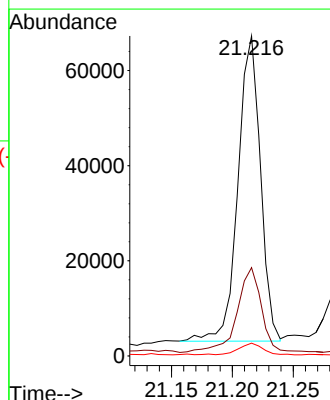
Tgt Ion:149 Resp: 82279

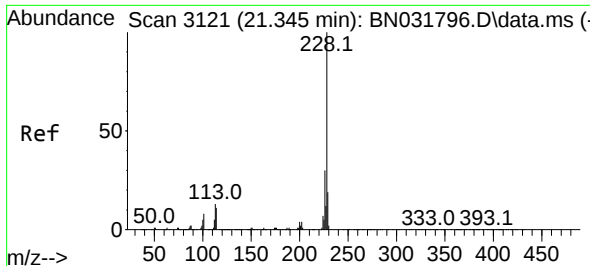
Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

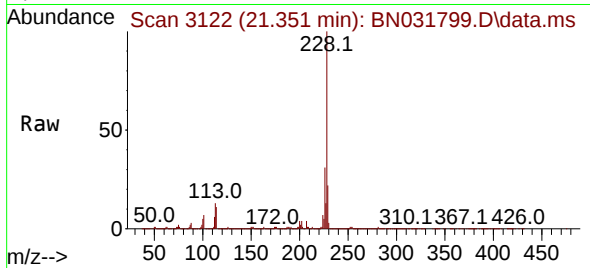
279 4.0 3.3 4.9





#87
Chrysene
Concen: 43.287 ng/ul
RT: 21.351 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

Instrument :
BNA_N
ClientSampleId :
BHBQ2DL2



Tgt Ion:228 Resp: 483552
Ion Ratio Lower Upper
228 100
226 31.1 23.7 35.5
229 22.1 15.1 22.7

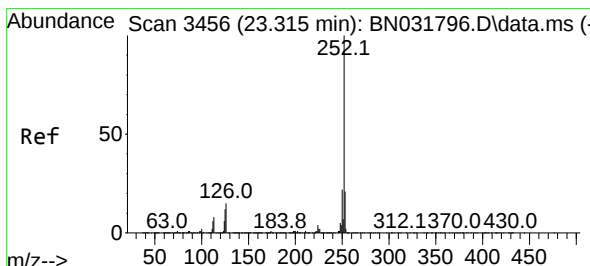
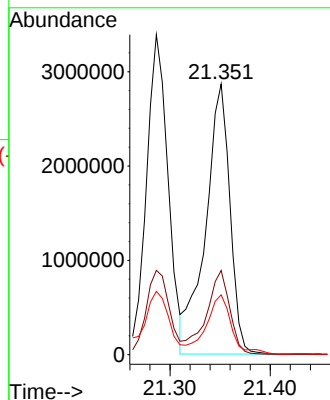
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ahmed

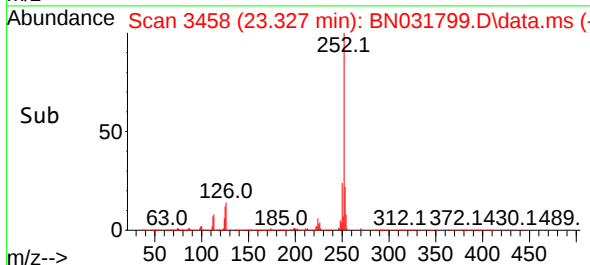
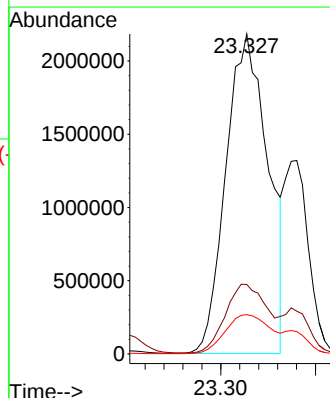
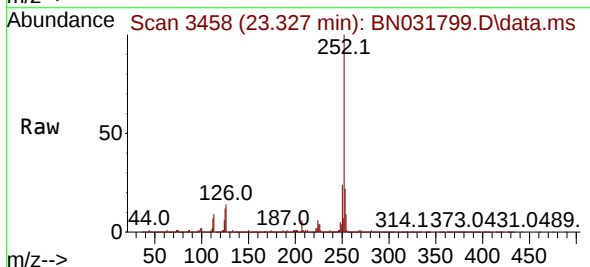
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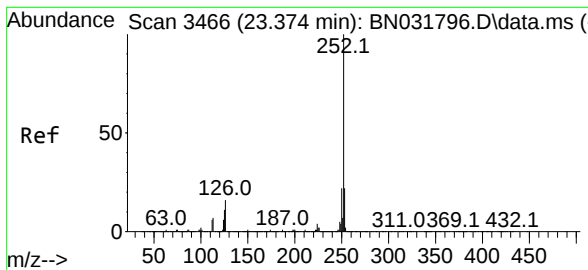
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#90
Benzo(b)fluoranthene
Concen: 50.382 ng/ul
RT: 23.327 min Scan# 3458
Delta R.T. 0.018 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

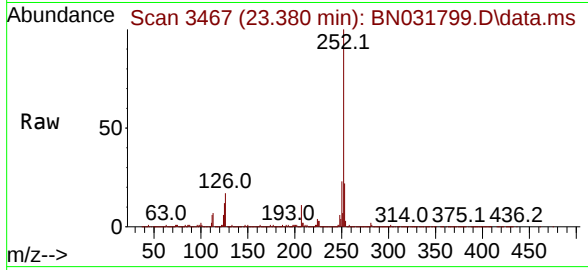
Tgt Ion:252 Resp: 6737563
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 12.3 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 17.430 ng/u1
RT: 23.380 min Scan# 3466
Delta R.T. 0.006 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

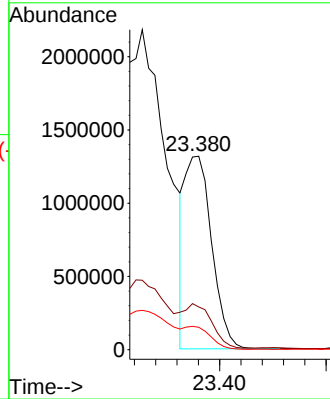
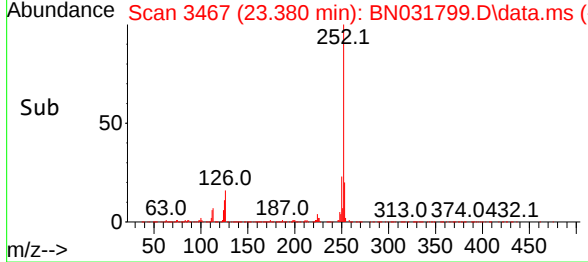
Instrument :
BNA_N
ClientSampleId :
BHBQ2DL2



Tgt Ion:252 Resp: 228720
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 11.6 9.4 14.2

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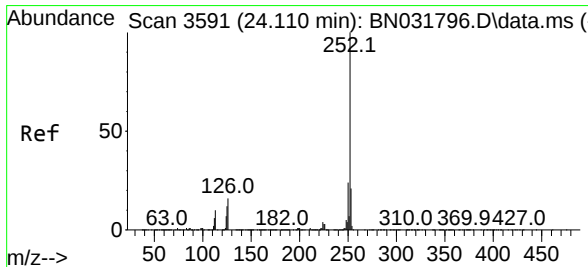
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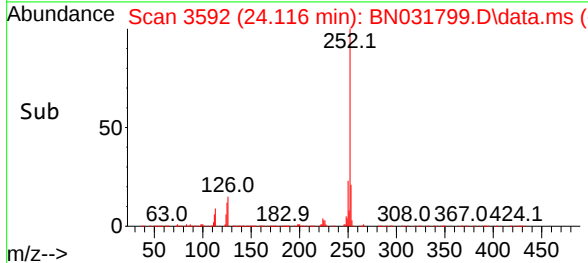
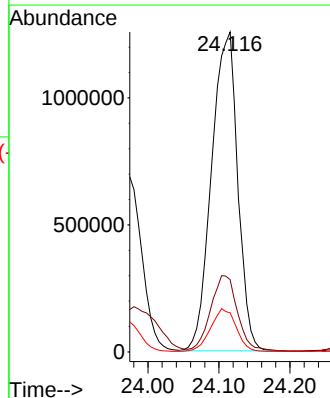
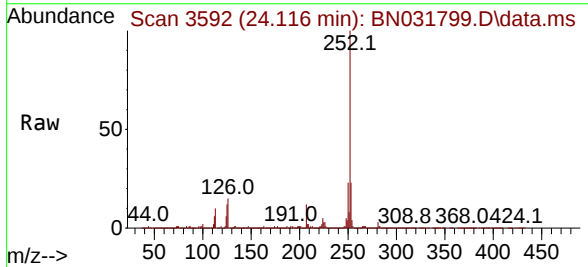
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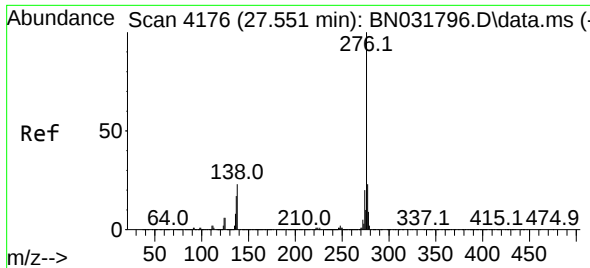
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#93
Benzo(a)pyrene
Concen: 25.577 ng/u1
RT: 24.116 min Scan# 3592
Delta R.T. 0.012 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

Tgt Ion:252 Resp: 3203582
Ion Ratio Lower Upper
252 100
253 22.6 16.6 24.8
125 12.2 9.8 14.8





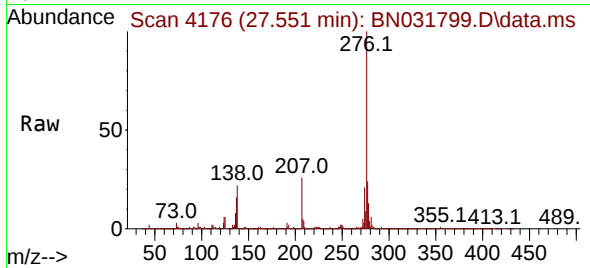
#94
Indeno(1,2,3-cd)pyrene
Concen: 16.175 ng/ul
RT: 27.551 min Scan# 4176
Delta R.T. 0.018 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28

Instrument :

BNA_N

ClientSampleId :

BHBQ2DL2



Tgt Ion:276 Resp: 233458
Ion Ratio Lower Upper
276 100
138 22.2 18.1 27.1
277 23.6 18.2 27.2

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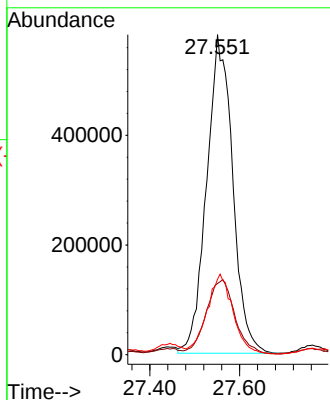
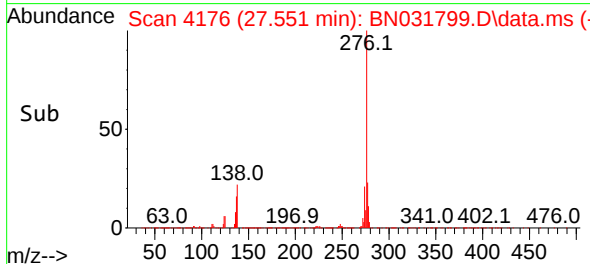
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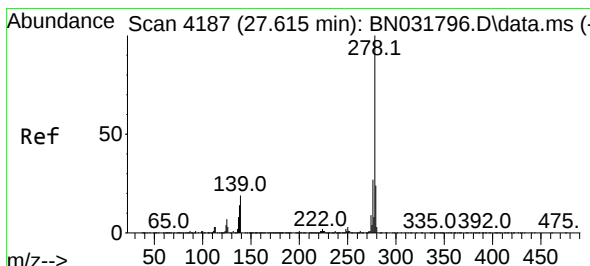
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ahmed

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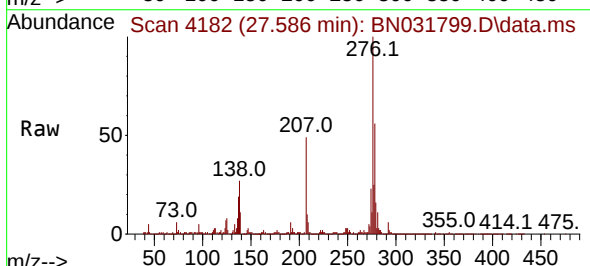
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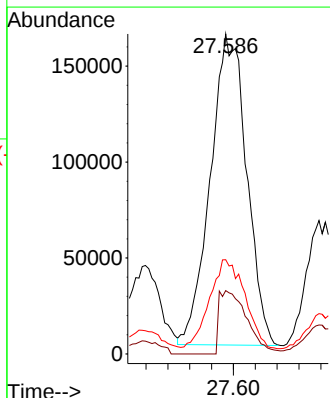
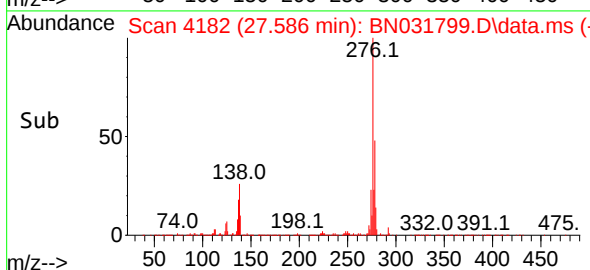
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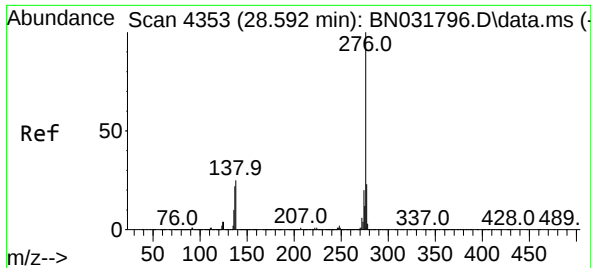


#95
Dibenzo(a,h)anthracene
Concen: 6.339 ng/ul m
RT: 27.586 min Scan# 4182
Delta R.T. -0.018 min
Lab File: BN031799.D
Acq: 05 Jun 2024 14:28



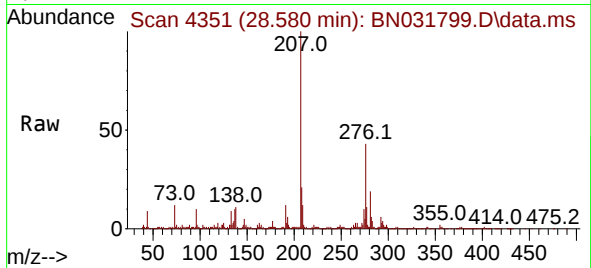
Tgt Ion:278 Resp: 746936
Ion Ratio Lower Upper
278 100
139 19.8 15.0 22.6
279 29.5 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 2.581 ng/ul
 RT: 28.580 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BN031799.D
 Acq: 05 Jun 2024 14:28

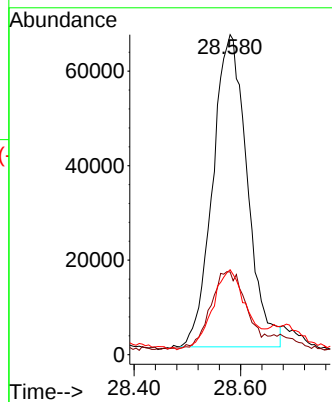
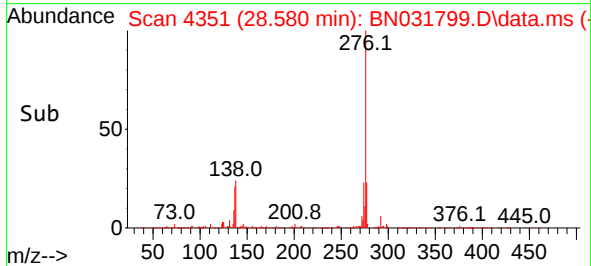
Instrument :
 BNA_N
 ClientSampleId :
 BHBQ2DL2



Tgt Ion:276 Resp: 29608
 Ion Ratio Lower Upper
 276 100
 138 25.9 20.9 31.3
 277 26.5 18.0 27.0

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