

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062224\
 Data File : BN032188.D
 Acq On : 23 Jun 2024 05:43
 Operator : MA/JU
 Sample : P2775-18
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D47

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 23 06:14:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 20 10:49:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	329141	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	1259176	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	729682	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.034	188	1380752	20.000	ng/u1	0.00
79) Chrysene-d12	21.280	240	1072531	20.000	ng/u1	0.01
88) Perylene-d12	24.192	264	1567624	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	31142	3.914	ng/uL	0.00
4) Pyridine-d5	3.575	84	96943	4.329	ng/u1	0.00
7) Phenol-d5	6.822	99	557418	19.755	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	299534	18.148	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	497773	23.120	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	455535	19.805	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	235289	24.439	ng/u1	0.00
24) 2-Nitrophenol-d4	9.505	143	256860	25.827	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	433642	23.356	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	443441	16.086	ng/u1	0.00
46) Dimethylphthalate-d6	13.693	166	1254242	24.673	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1464721	25.059	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	210090	20.641	ng/u1	0.02
60) Fluorene-d10	15.275	176	1074740	24.987	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.428	200	40682	5.862	ng/u1	0.01
73) Anthracene-d10	17.134	188	1586893	26.845	ng/u1	0.00
81) Pyrene-d10	19.439	212	1383784	24.110	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.004	264	1309238	17.490	ng/u1	0.02
Target Compounds					Qvalue	
8) Phenol	6.852	94	31764	1.106	ng/u1	96
16) Acetophenone	8.458	105	98208	2.817	ng/u1	99
30) Naphthalene	10.463	128	881779	13.531	ng/u1	100
36) 2-Methylnaphthalene	12.081	142	514244	11.545	ng/u1	98
37) 1-Methylnaphthalene	12.304	142	416968	9.329	ng/u1	97
43) 1,1'-Biphenyl	13.104	154	184793	3.600	ng/u1	98
50) Acenaphthylene	13.998	152	386144	5.845	ng/u1	98
52) Acenaphthene	14.346	153	2161739	49.458	ng/u1	99
56) Dibenzofuran	14.681	168	1999044	33.663	ng/u1	98
61) Fluorene	15.334	166	2592830	54.220	ng/u1	100
72) Phenanthrene	17.092	178	15062809	214.151	ng/u1	99
74) Anthracene	17.175	178	6476025	90.865	ng/u1	97
77) Carbazole	17.445	167	2044136	33.636	ng/u1	100
80) Fluoranthene	19.116	202	15344184	223.706	ng/u1	96
82) Pyrene	19.481	202	12843234	182.500	ng/u1	94
85) Benzo(a)anthracene	21.263	228	8528976	118.806	ng/u1	100
87) Chrysene	21.322	228	7862849m	117.258	ng/u1	
90) Benzo(b)fluoranthene	23.286	252	9759568	104.157	ng/u1	97
91) Benzo(k)fluoranthene	23.339	252	4022808m	43.752	ng/u1	
93) Benzo(a)pyrene	24.069	252	4890057	55.721	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.492	276	3854560m	38.116	ng/u1	
95) Dibenzo(a,h)anthracene	27.527	278	1423830	17.245	ng/u1#	91
96) Benzo(g,h,i)perylene	28.509	276	476471	5.927	ng/u1	95

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 20 10:49:40 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

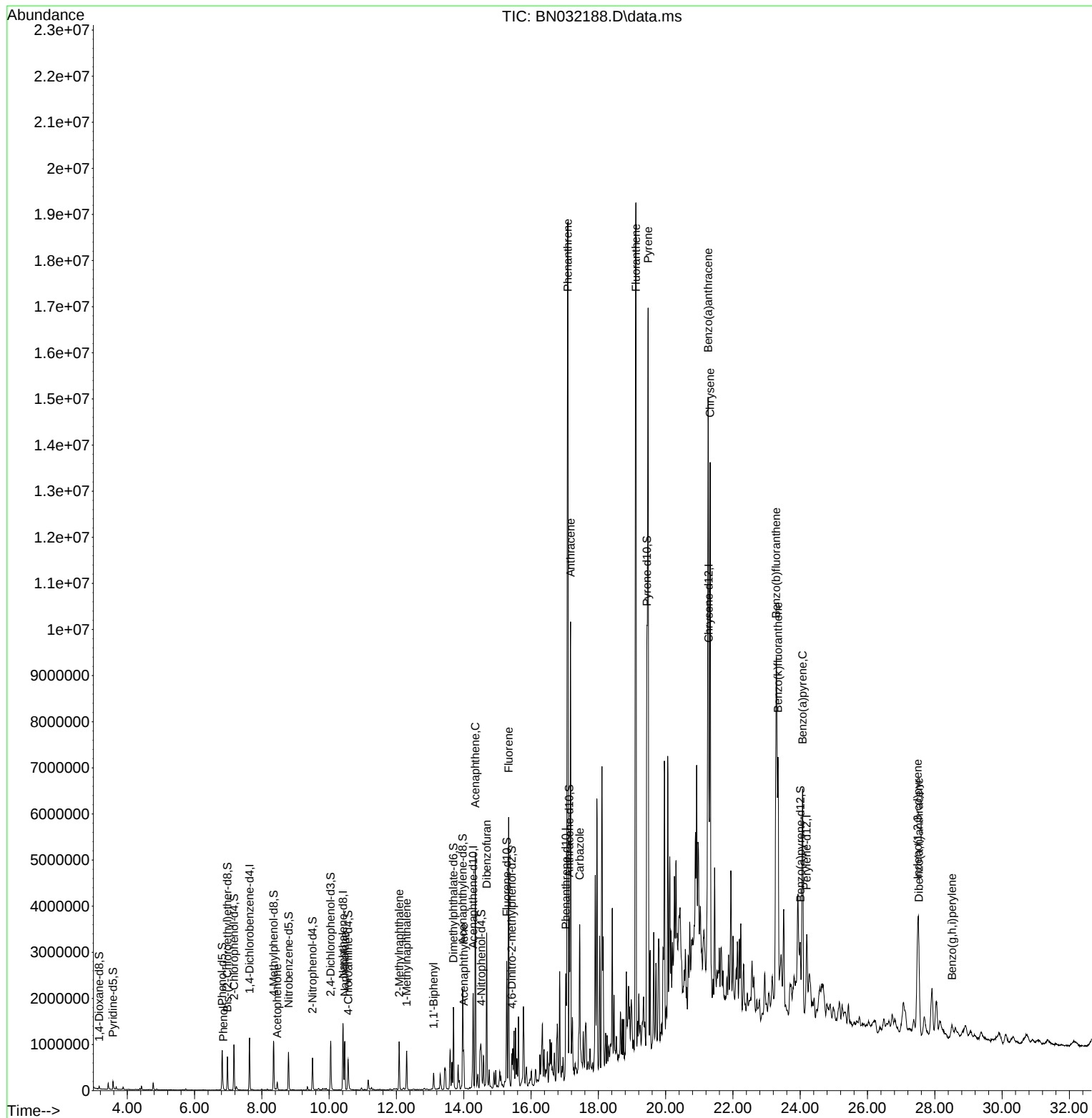
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062224\
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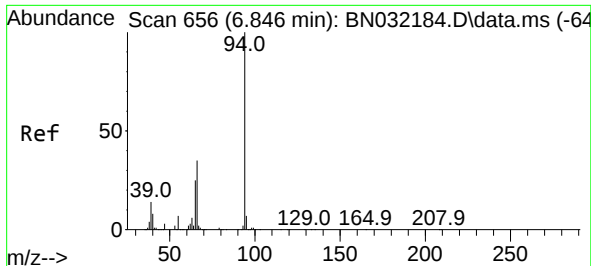
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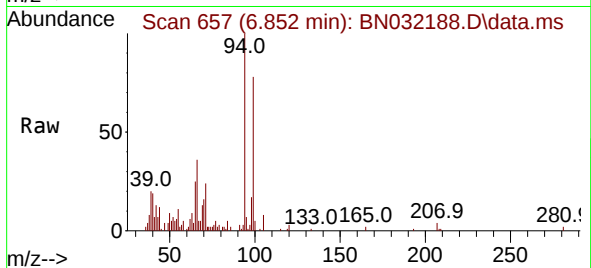
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#8
Phenol
Concen: 1.106 ng/ul
RT: 6.852 min Scan# 61
Delta R.T. 0.012 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

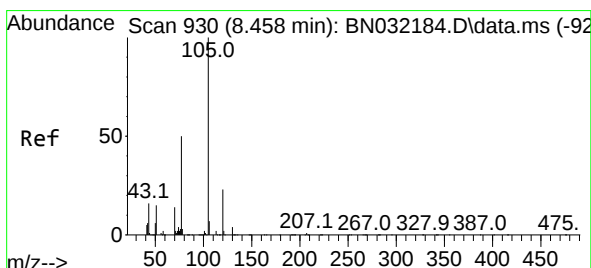
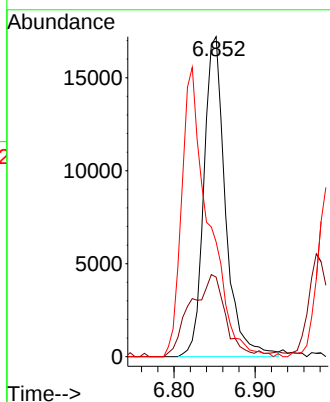
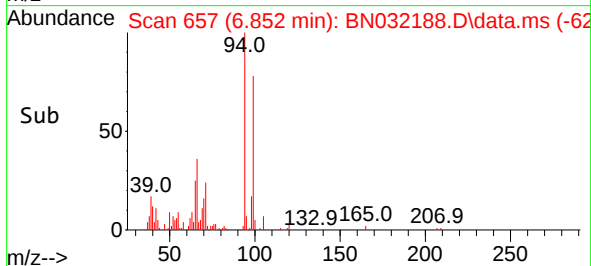
Instrument :
BNA_N
ClientSampleId :
A4D47



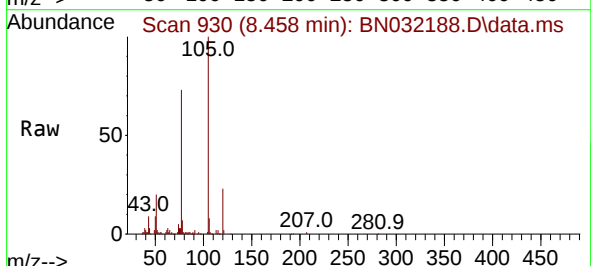
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Ion Ratio Lower Upper
94 100
65 24.8 20.3 30.5
66 35.9 25.8 38.8

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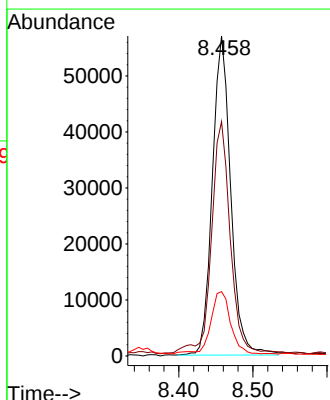
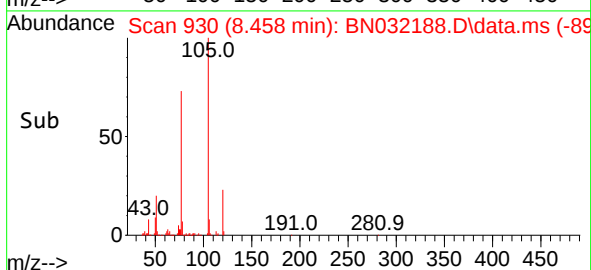
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

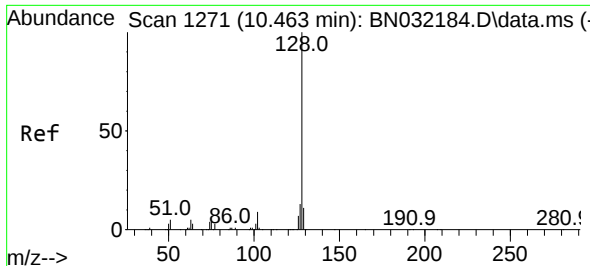


#16
Acetophenone
Concen: 2.817 ng/ul
RT: 8.458 min Scan# 930
Delta R.T. -0.006 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43



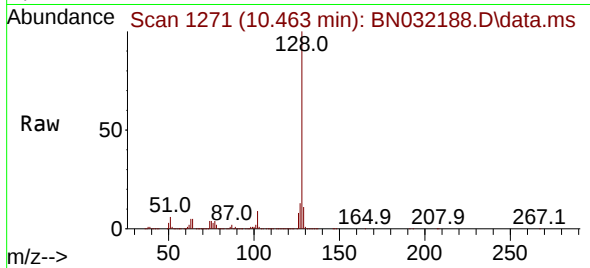
Tgt Ion:105 Resp: 98208
Ion Ratio Lower Upper
105 100
77 73.3 58.6 87.8
51 20.1 17.2 25.8





#30
Naphthalene
Concen: 13.531 ng/ul
RT: 10.463 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

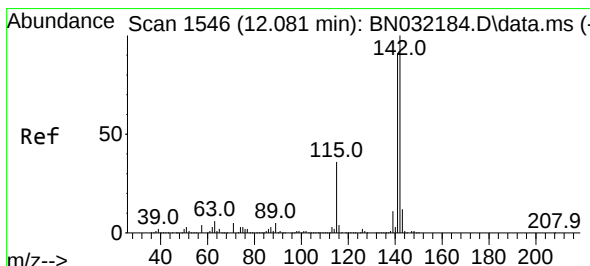
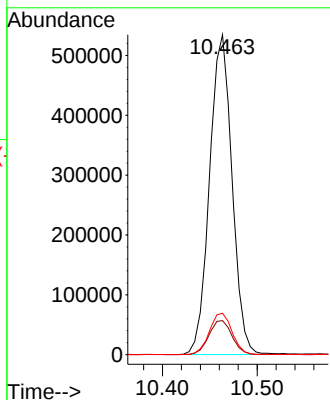
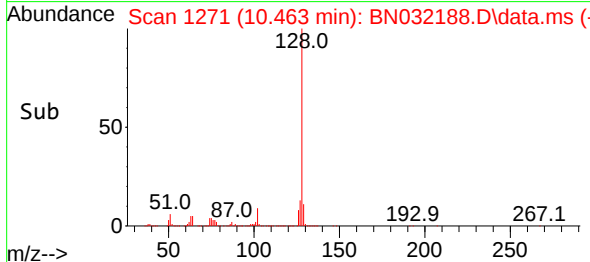
Instrument :
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Tgt Ion:128 Resp: 881779
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 12.9 10.3 15.5

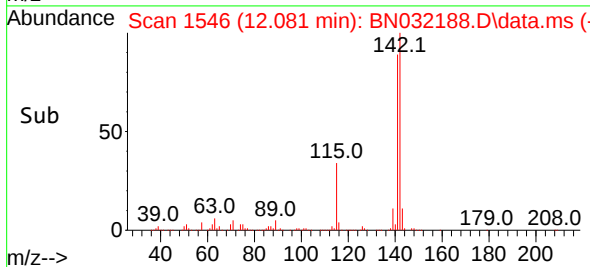
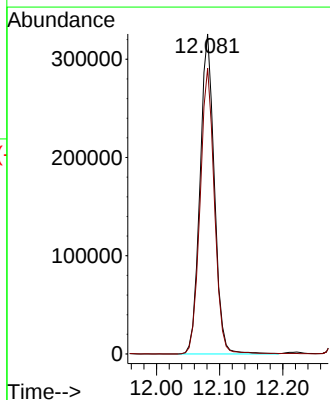
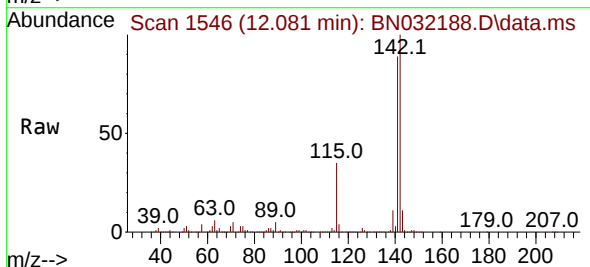
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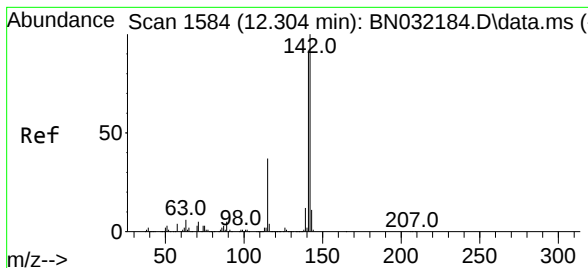
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#36
2-Methylnaphthalene
Concen: 11.545 ng/ul
RT: 12.081 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

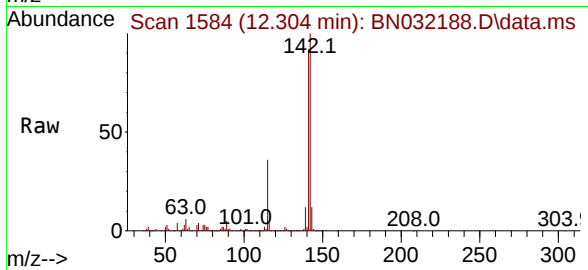
Tgt Ion:142 Resp: 514244
Ion Ratio Lower Upper
142 100
141 89.4 70.1 105.1





#37
1-Methylnaphthalene
Concen: 9.329 ng/ul
RT: 12.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

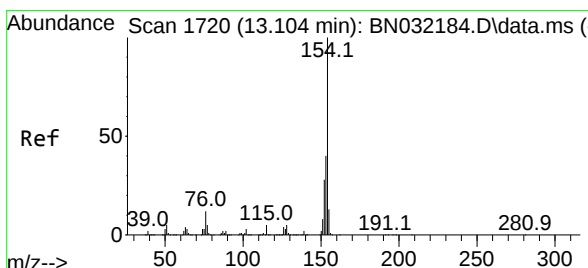
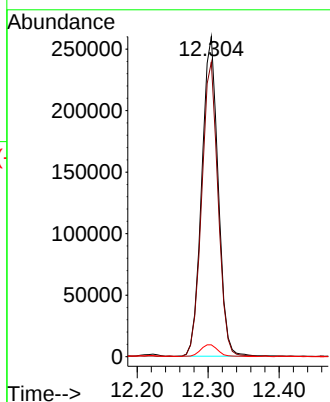
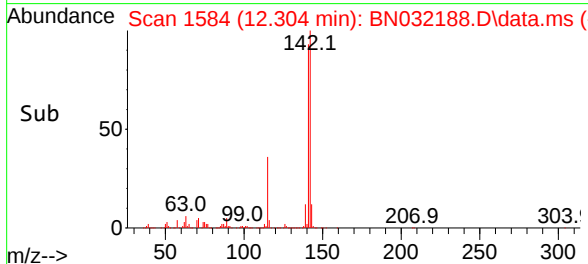
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:142 Resp: 416968
Ion Ratio Lower Upper
142 100
141 92.1 71.7 107.5
116 3.7 3.0 4.4

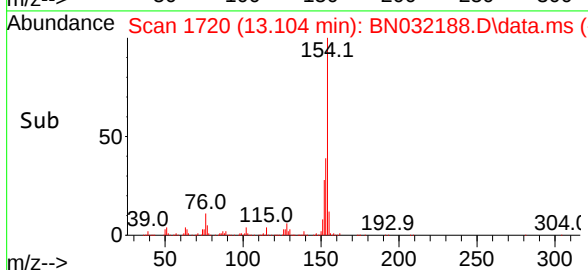
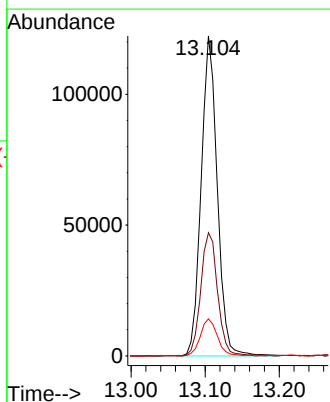
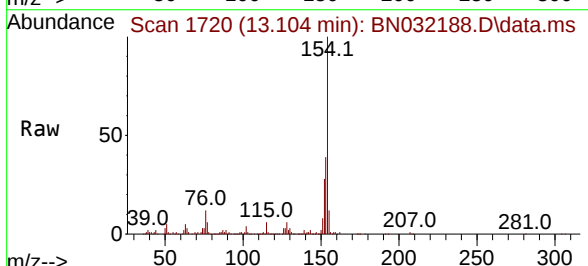
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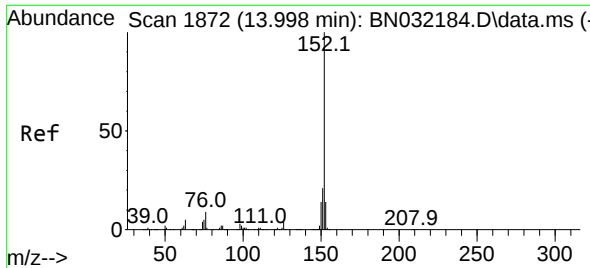
Reviewed By :Yogesh Patel 06/24/2024
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#43
1,1'-Biphenyl
Concen: 3.600 ng/ul
RT: 13.104 min Scan# 1720
Delta R.T. -0.006 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

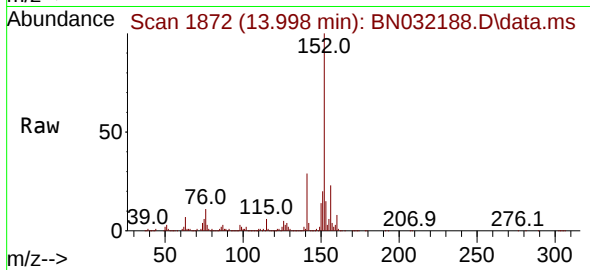
Tgt Ion:154 Resp: 184793
Ion Ratio Lower Upper
154 100
153 38.5 30.6 46.0
76 11.6 11.1 16.7





#50
Acenaphthylene
Concen: 5.845 ng/ul
RT: 13.998 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

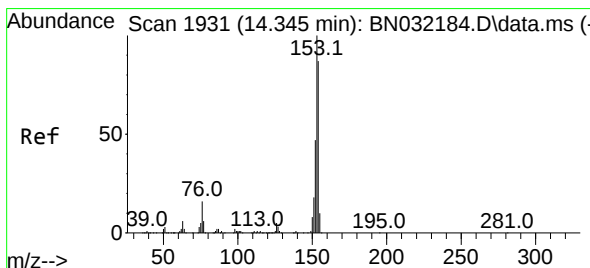
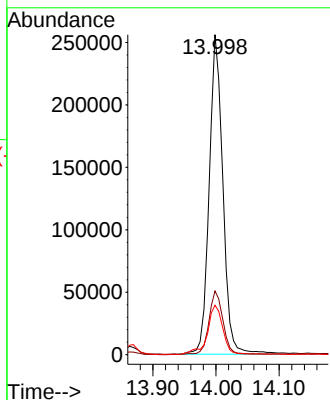
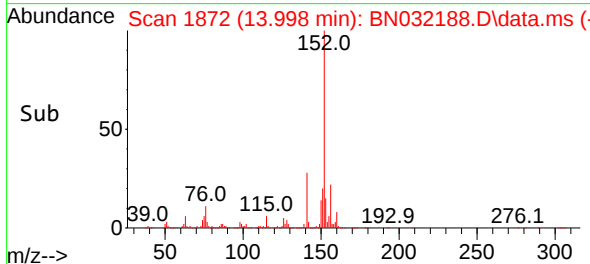
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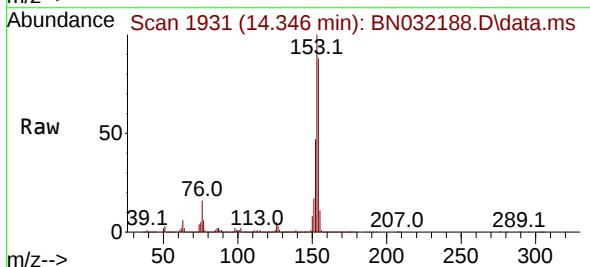
Tgt Ion:152 Resp: 386144
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 15.5 10.4 15.6

Manual Integrations
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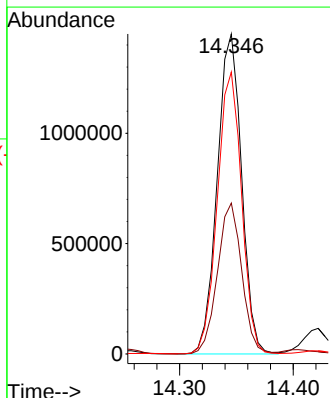
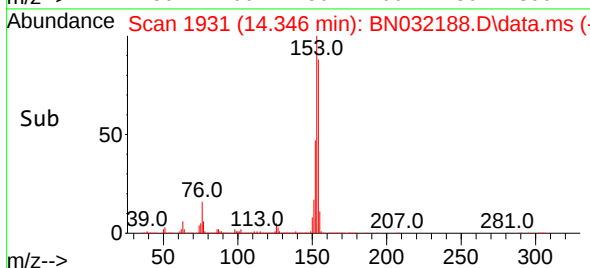
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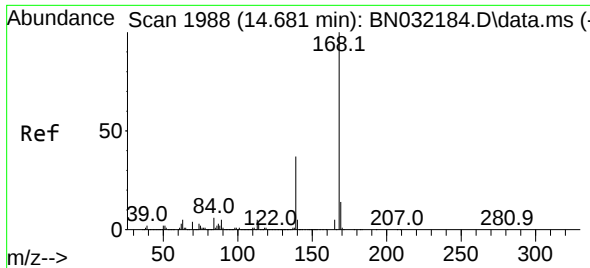


#52
Acenaphthene
Concen: 49.458 ng/ul
RT: 14.346 min Scan# 1931
Delta R.T. 0.000 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43



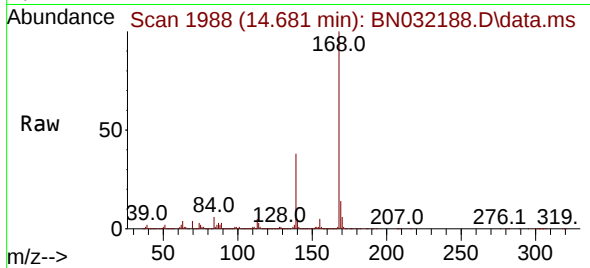
Tgt Ion:153 Resp: 2161739
Ion Ratio Lower Upper
153 100
152 47.1 37.8 56.6
154 88.1 69.8 104.8





#56
Dibenzenofuran
Concen: 33.663 ng/u1
RT: 14.681 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

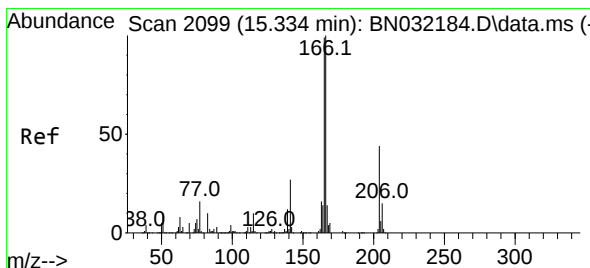
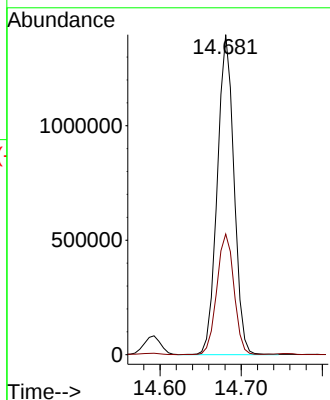
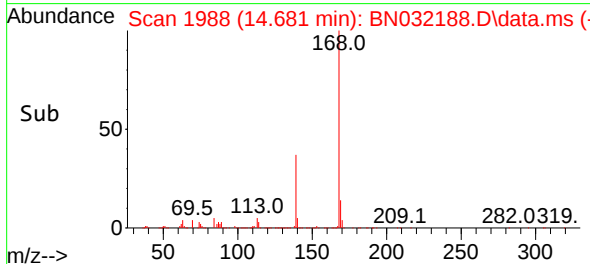
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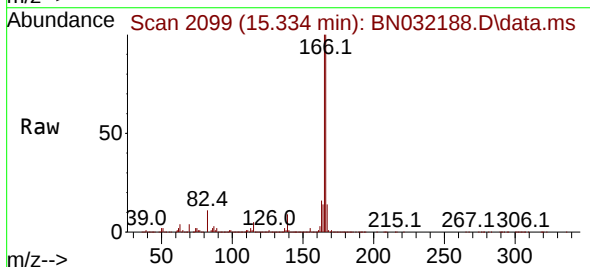
Tgt Ion:168 Resp: 1999044
Ion Ratio Lower Upper
168 100
139 37.7 29.4 44.0

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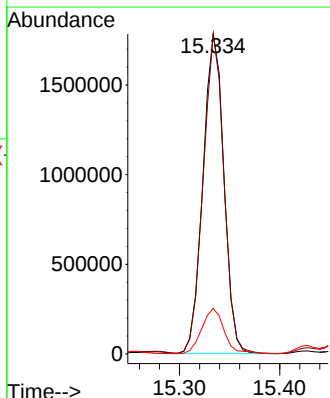
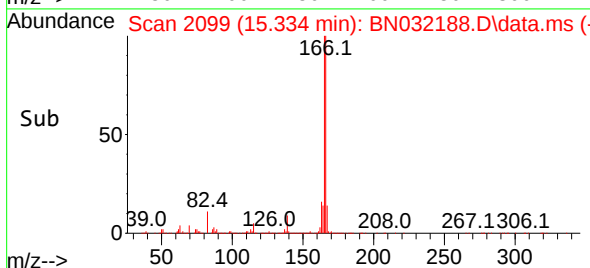
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

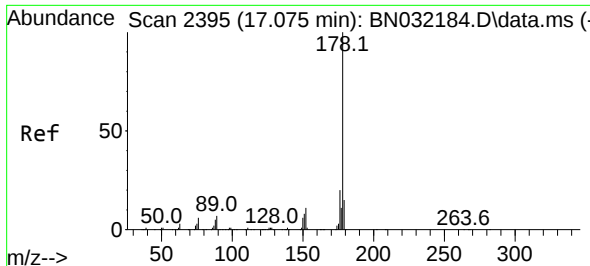


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Fluorene
Concen: 54.220 ng/u1
RT: 15.334 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43



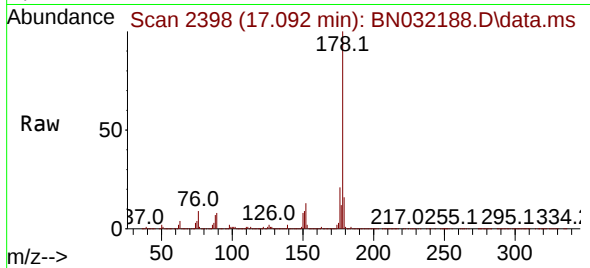
Tgt Ion:166 Resp: 2592830
Ion Ratio Lower Upper
166 100
165 100.0 80.3 120.5
167 14.3 11.3 16.9





#72
Phenanthrene
Concen: 214.151 ng/u1
RT: 17.092 min Scan# 2109
Delta R.T. 0.018 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

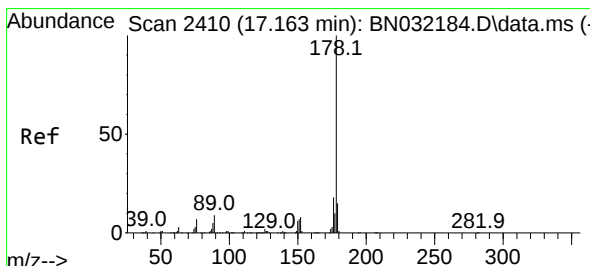
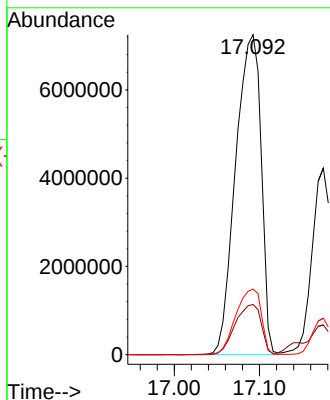
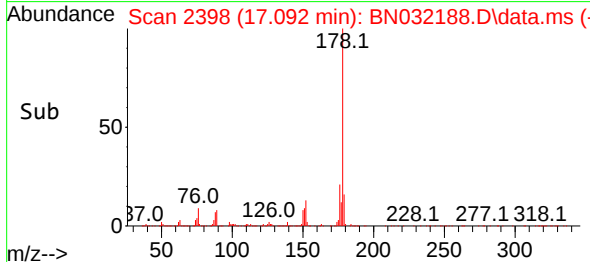
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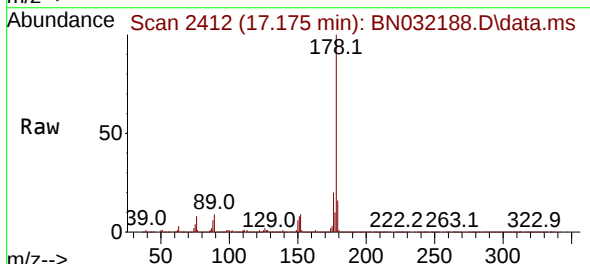
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Ion Ratio Lower Upper
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176 20.5 15.8 23.6

Manual Integrations
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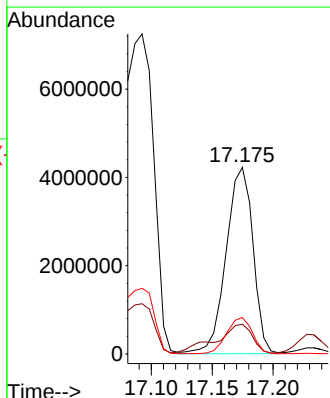
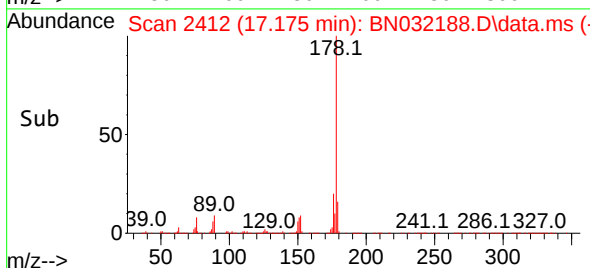
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

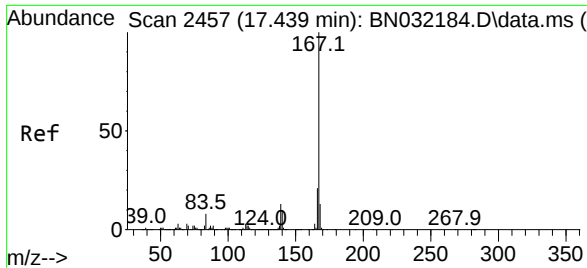


#74
Anthracene
Concen: 90.865 ng/u1
RT: 17.175 min Scan# 2412
Delta R.T. 0.012 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43



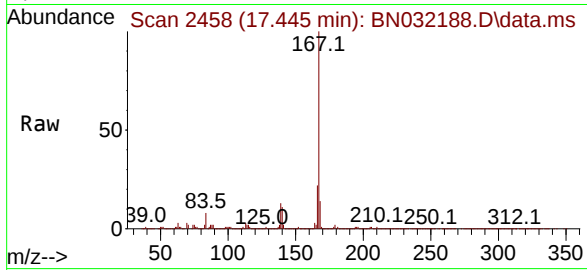
Tgt Ion:178 Resp: 6476025
Ion Ratio Lower Upper
178 100
179 15.9 11.8 17.6
176 19.6 14.8 22.2





#77
 Carbazole
 Concen: 33.636 ng/ul
 RT: 17.445 min Scan# 2457
 Delta R.T. 0.006 min
 Lab File: BN032188.D
 Acq: 23 Jun 2024 05:43

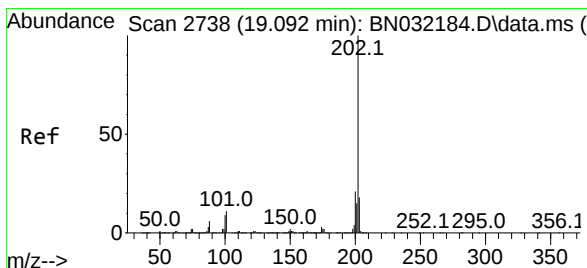
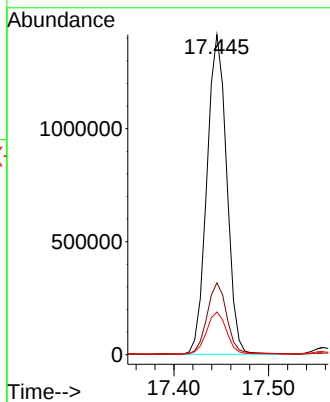
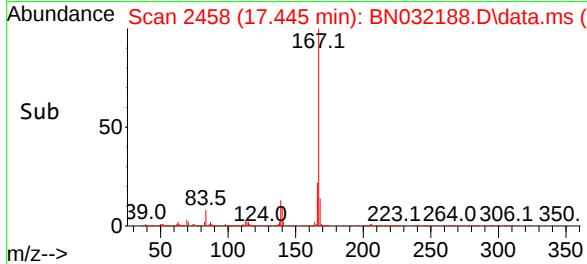
Instrument :
 BNA_N
 ClientSampleId :
 A4D47



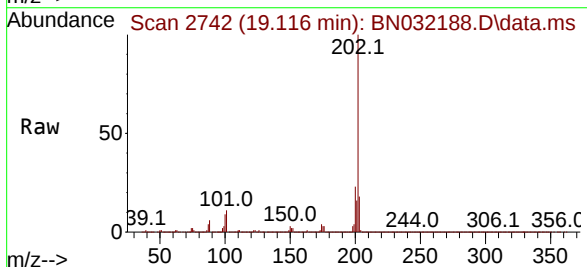
Tgt Ion:167 Resp: 2044130
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.9 26.9
 139 13.4 10.5 15.7

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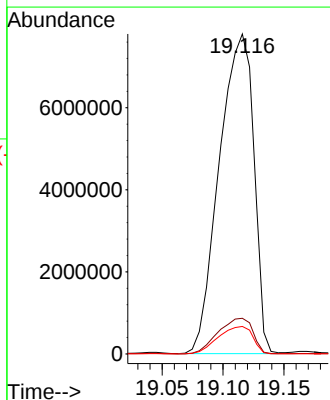
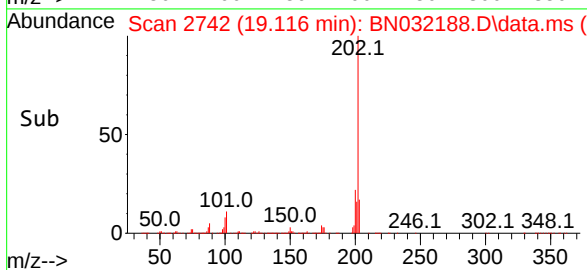
Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/26/2024

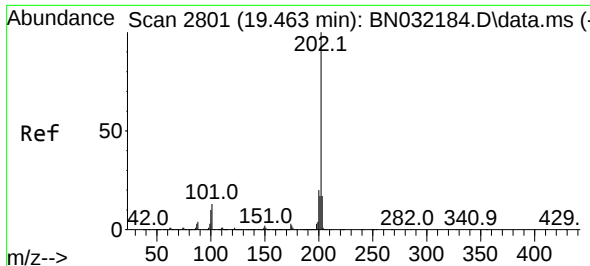


#80
 Fluoranthene
 Concen: 223.706 ng/ul
 RT: 19.116 min Scan# 2742
 Delta R.T. 0.018 min
 Lab File: BN032188.D
 Acq: 23 Jun 2024 05:43



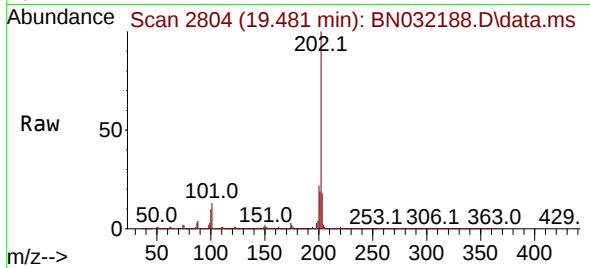
Tgt Ion:202 Resp:15344184
 Ion Ratio Lower Upper
 202 100
 101 11.1 10.3 15.5
 100 8.6 8.0 12.0





#82
Pyrene
Concen: 182.500 ng/u1
RT: 19.481 min Scan# 2107
Delta R.T. 0.018 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

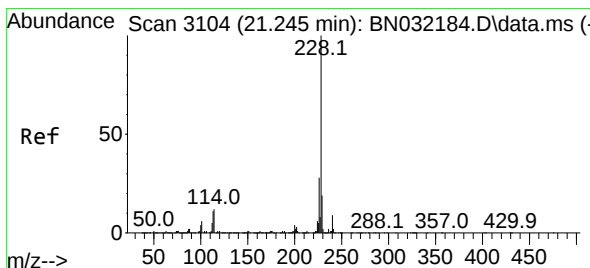
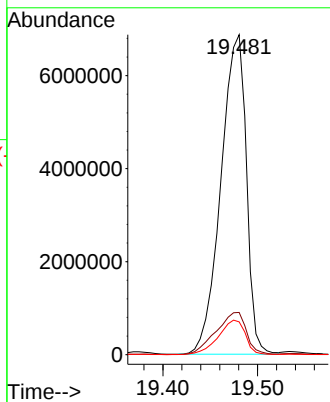
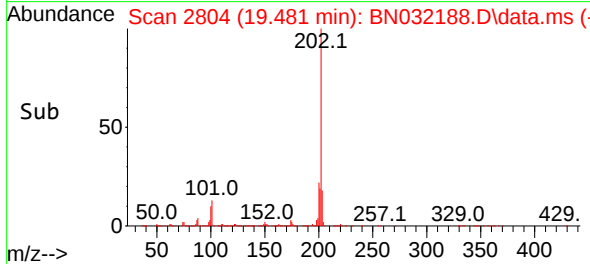
Instrument :
BNA_N
ClientSampleId :
A4D47



Tgt Ion:202 Resp:12843234
Ion Ratio Lower Upper
202 100
101 13.2 12.6 18.8
100 10.2 10.2 15.2

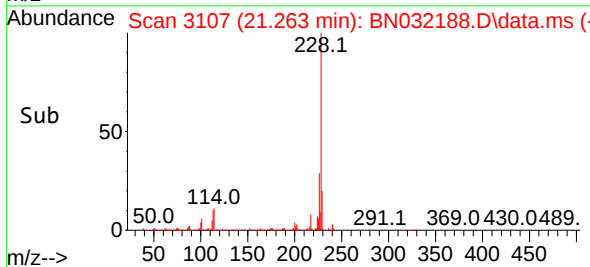
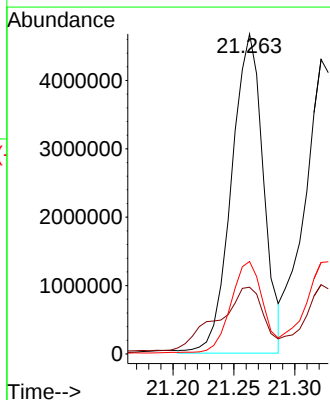
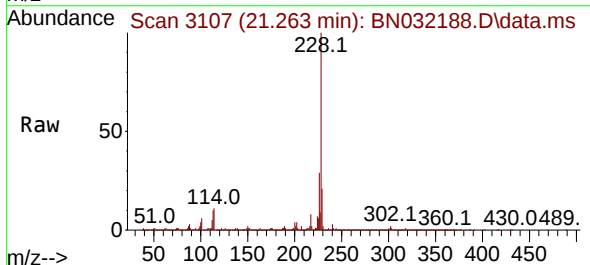
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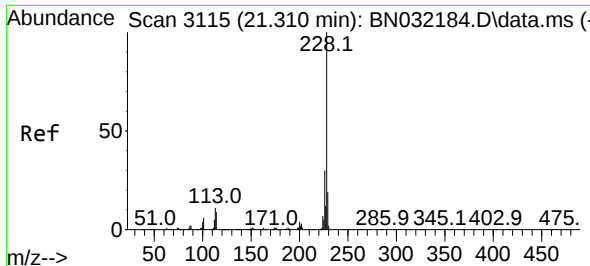
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#85
Benzo(a)anthracene
Concen: 118.806 ng/u1
RT: 21.263 min Scan# 3107
Delta R.T. 0.012 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

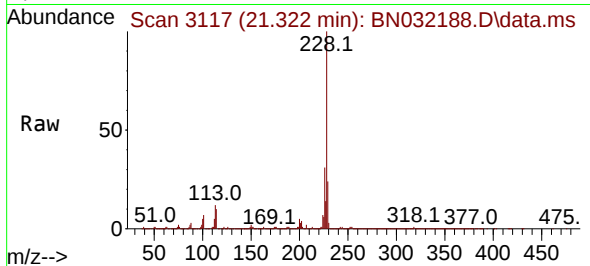
Tgt Ion:228 Resp: 8528976
Ion Ratio Lower Upper
228 100
229 20.8 16.7 25.1
226 28.9 22.8 34.2





#87
Chrysene
Concen: 117.258 ng/ul m
RT: 21.322 min Scan# 3115
Delta R.T. 0.012 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

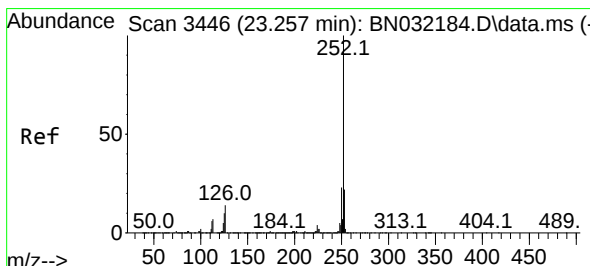
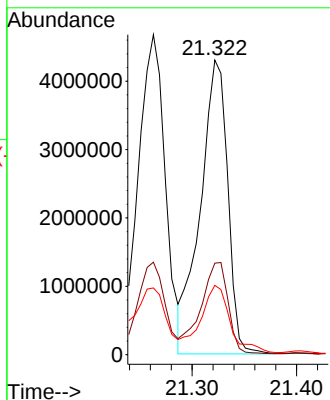
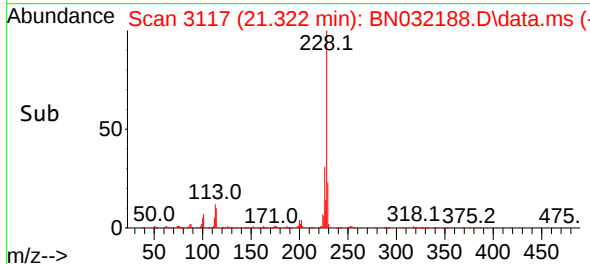
Instrument :
BNA_N
ClientSampleId :
A4D47



Tgt Ion:228 Resp: 7862849
Ion Ratio Lower Upper
228 100
226 31.1 23.7 35.5
229 23.5 15.1 22.7

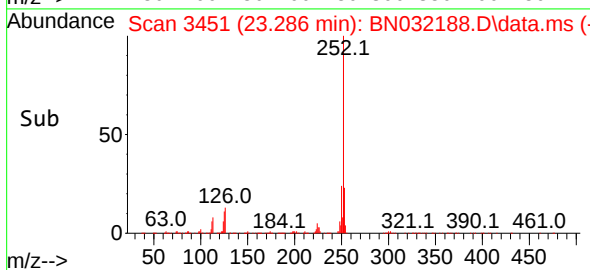
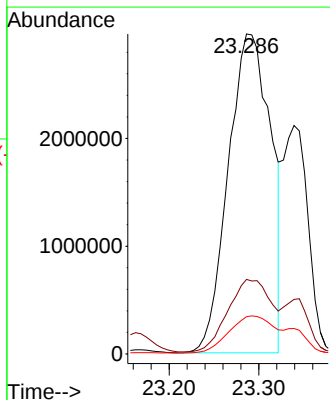
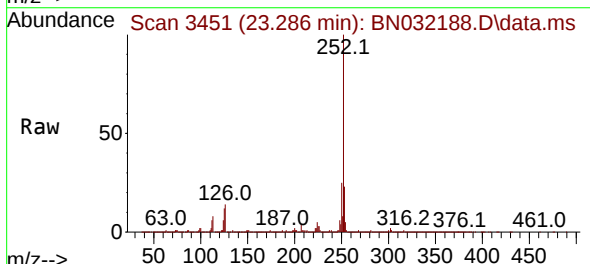
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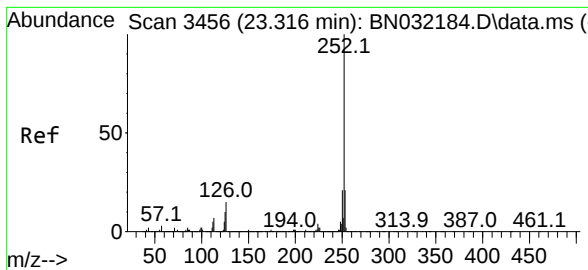
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#90
Benzo(b)fluoranthene
Concen: 104.157 ng/ul
RT: 23.286 min Scan# 3451
Delta R.T. 0.024 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

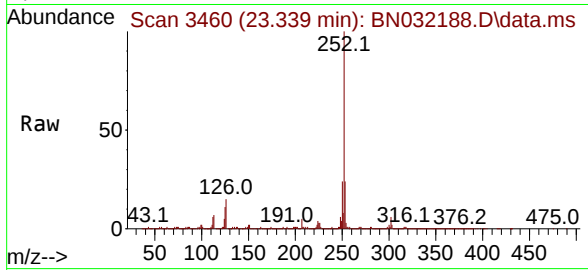
Tgt Ion:252 Resp: 9759568
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 11.7 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 43.752 ng/ul m
RT: 23.339 min Scan# 3456
Delta R.T. 0.018 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

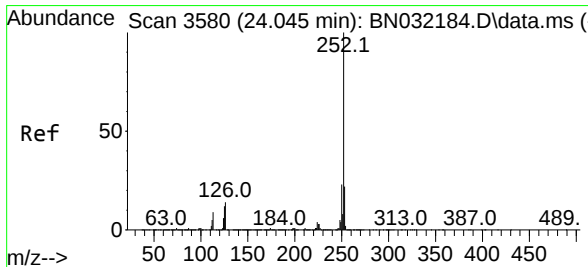
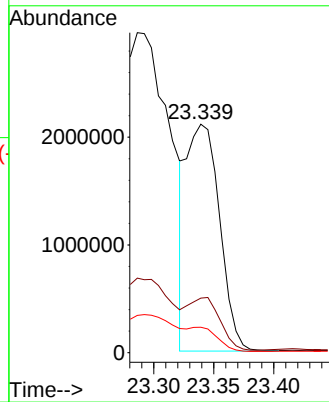
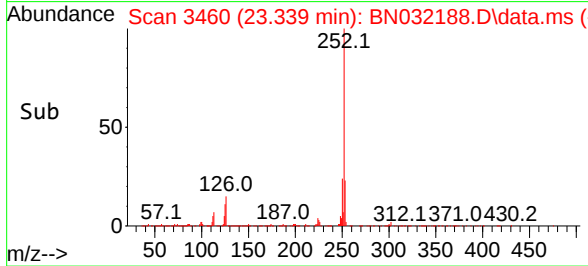
Instrument :
BNA_N
ClientSampleId :
A4D47



Tgt Ion:252 Resp: 4022808
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 11.2 9.4 14.2

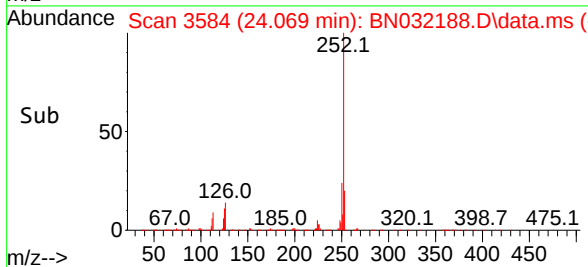
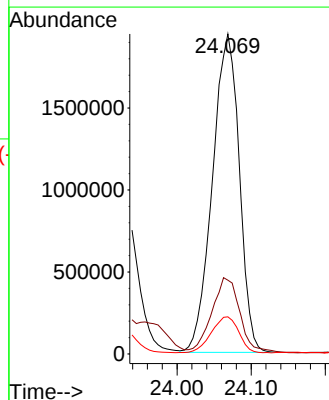
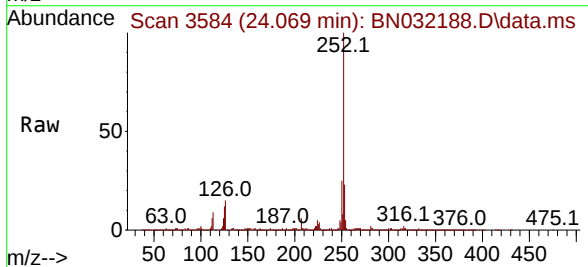
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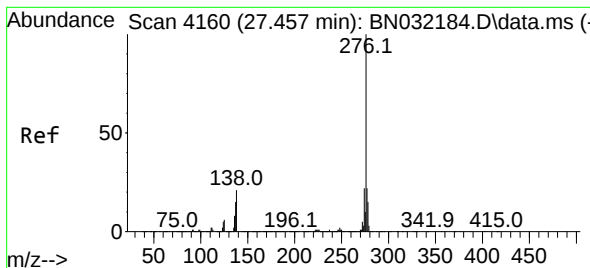
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#93
Benzo(a)pyrene
Concen: 55.721 ng/ul
RT: 24.069 min Scan# 3584
Delta R.T. 0.030 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

Tgt Ion:252 Resp: 4890057
Ion Ratio Lower Upper
252 100
253 23.0 16.6 24.8
125 11.6 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 38.116 ng/ul m

RT: 27.492 min Scan# 4166

Delta R.T. 0.047 min

Lab File: BN032188.D

Acq: 23 Jun 2024 05:43

Instrument :

BNA_N

ClientSampleId :

A4D47

Tgt Ion:276 Resp: 385456

Ion Ratio Lower Upper

276 100

138 22.7 18.1 27.1

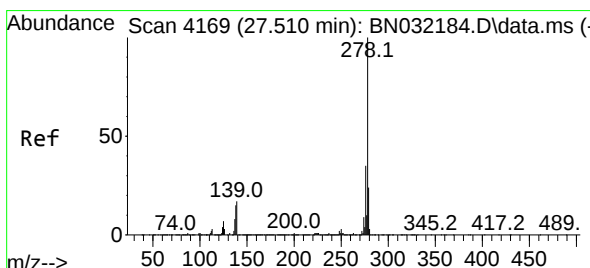
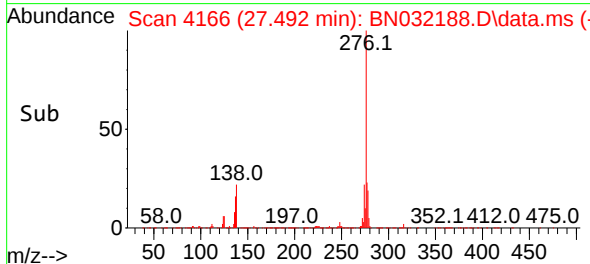
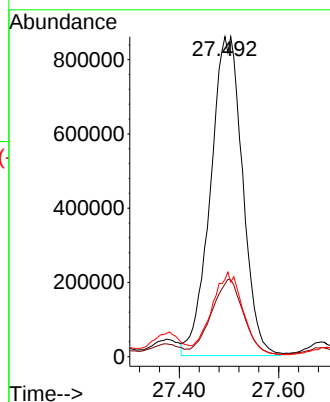
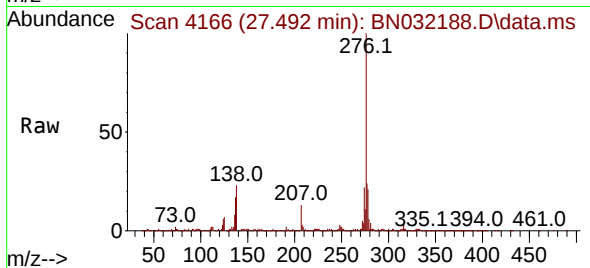
277 24.2 18.2 27.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/26/2024



#95

Dibenzo(a,h)anthracene

Concen: 17.245 ng/ul

RT: 27.527 min Scan# 4172

Delta R.T. 0.024 min

Lab File: BN032188.D

Acq: 23 Jun 2024 05:43

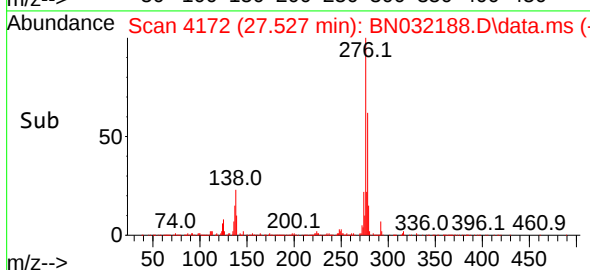
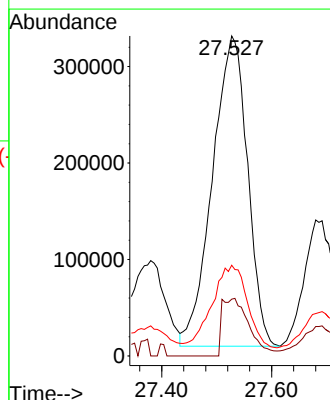
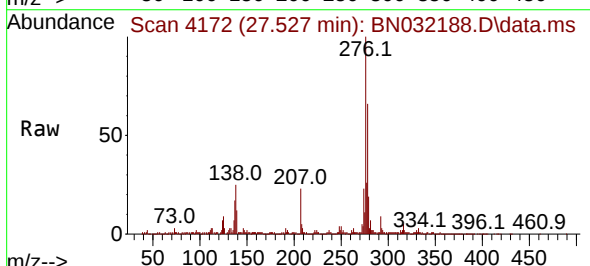
Tgt Ion:278 Resp: 1423830

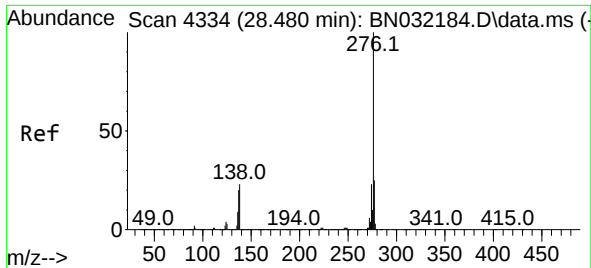
Ion Ratio Lower Upper

278 100

139 17.8 15.0 22.6

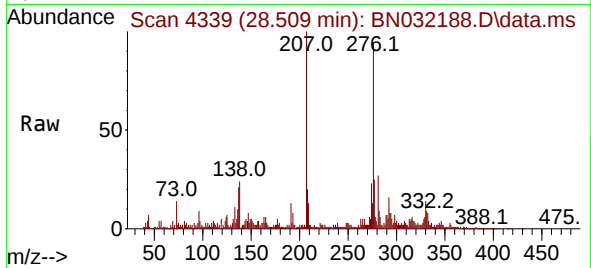
279 28.4 17.4 26.0#





#96
Benzo(g,h,i)perylene
Concen: 5.927 ng/ul
RT: 28.509 min Scan# 41
Delta R.T. 0.041 min
Lab File: BN032188.D
Acq: 23 Jun 2024 05:43

Instrument :
BNA_N
ClientSampleId :
A4D47



Tgt Ion: 276 Resp: 47647
Ion Ratio Lower Upper
276 100
138 25.4 20.9 31.3
277 26.6 18.0 27.0

Manual Integrations
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

