

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062224\
 Data File : BN032189.D
 Acq On : 23 Jun 2024 06:23
 Operator : MA/JU
 Sample : P2775-19
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D48

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 06:53:53 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	315866	20.000	ng/u1	0.00
20) Naphthalene-d8	10.410	136	1288331	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	782495	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.033	188	1566987	20.000	ng/u1	0.00
79) Chrysene-d12	21.274	240	1259539	20.000	ng/u1	0.00
88) Perylene-d12	24.192	264	1741717	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.169	96	27934	3.659	ng/uL	0.00
4) Pyridine-d5	3.581	84	67905	3.159	ng/u1	0.01
7) Phenol-d5	6.816	99	564067	20.831	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	289905	18.303	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	494836	23.950	ng/u1	0.00
15) 4-Methylphenol-d8	8.346	113	470904	21.334	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	237475	24.108	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	259376	25.490	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	455813	23.994	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	494490	17.532	ng/u1	0.00
46) Dimethylphthalate-d6	13.692	166	1384792	25.403	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1595323	25.451	ng/u1	0.00
54) 4-Nitrophenol-d4	14.516	143	257172	23.562	ng/u1	0.01
60) Fluorene-d10	15.275	176	1192716	25.858	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.422	200	47584	6.041	ng/u1	0.00
73) Anthracene-d10	17.133	188	1906009	28.411	ng/u1	0.00
81) Pyrene-d10	19.439	212	1800428	26.712	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.998	264	1585315	19.062	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.457	105	102679	3.069	ng/u1	98
30) Naphthalene	10.463	128	504825	7.571	ng/u1	100
36) 2-Methylnaphthalene	12.081	142	183285	4.022	ng/u1	98
37) 1-Methylnaphthalene	12.304	142	137047	2.997	ng/u1	97
43) 1,1'-Biphenyl	13.104	154	75732	1.376	ng/u1	94
50) Acenaphthylene	13.998	152	107945	1.524	ng/u1#	94
52) Acenaphthene	14.339	153	909831	19.411	ng/u1	97
56) Dibenzofuran	14.681	168	999418	15.694	ng/u1	97
61) Fluorene	15.334	166	1174502	22.903	ng/u1	98
72) Phenanthrene	17.086	178	11227219	140.649	ng/u1	99
74) Anthracene	17.169	178	4330465	53.539	ng/u1	98
77) Carbazole	17.445	167	1657034	24.026	ng/u1	100
80) Fluoranthene	19.110	202	12186694	151.293	ng/u1	96
82) Pyrene	19.474	202	10070382	121.852	ng/u1	93
85) Benzo(a)anthracene	21.257	228	6970848	82.685	ng/u1	98
87) Chrysene	21.321	228	6547351m	83.143	ng/u1	
90) Benzo(b)fluoranthene	23.286	252	7478216	71.832	ng/u1	99
91) Benzo(k)fluoranthene	23.333	252	3051712	29.873	ng/u1	97
93) Benzo(a)pyrene	24.063	252	3671872	37.658	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.480	276	2833520m	25.219	ng/u1	
95) Dibenzo(a,h)anthracene	27.521	278	1061796	11.575	ng/u1#	93
96) Benzo(g,h,i)perylene	28.498	276	335085	3.752	ng/u1#	93

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Supervised By :mohammad ahmed 06/26/2024

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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)

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

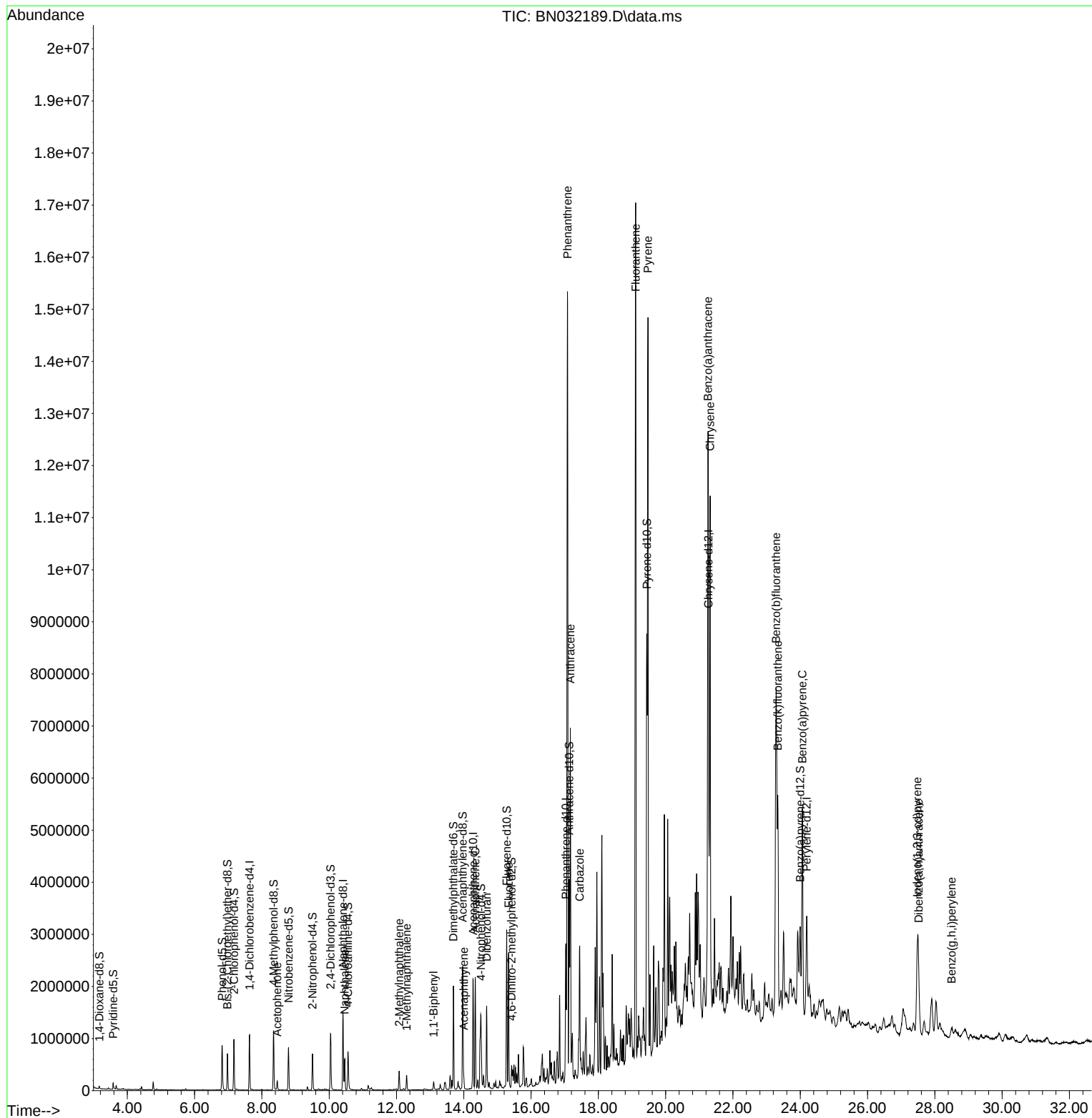
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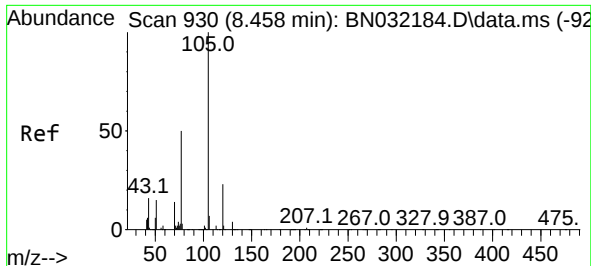
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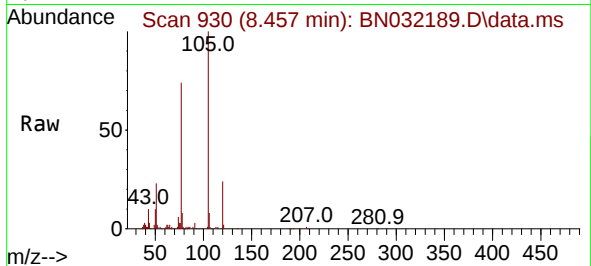
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024





#16
Acetophenone
Concen: 3.069 ng/ul
RT: 8.457 min Scan# 91
Delta R.T. -0.006 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

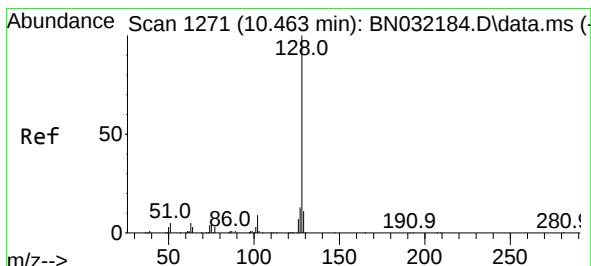
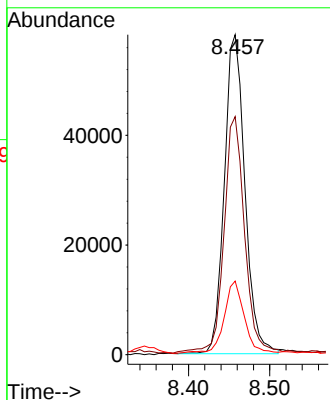
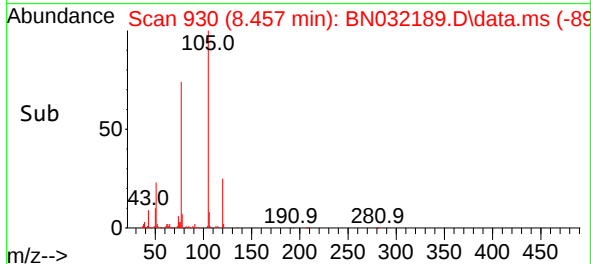
Instrument :
BNA_N
ClientSampleId :
A4D48



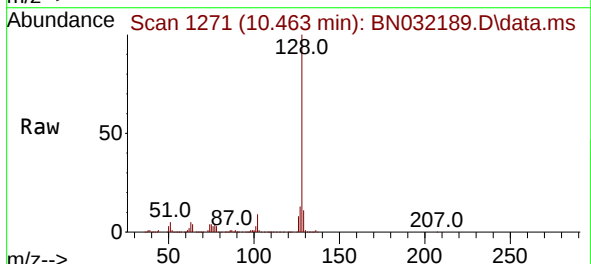
Tgt Ion:105 Resp: 102679
Ion Ratio Lower Upper
105 100
77 74.4 58.6 87.8
51 23.0 17.2 25.8

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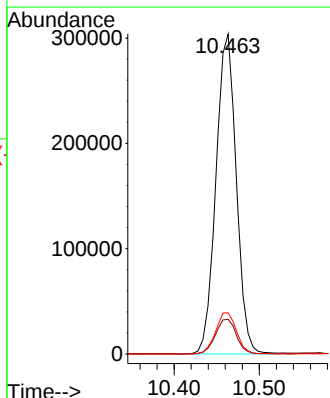
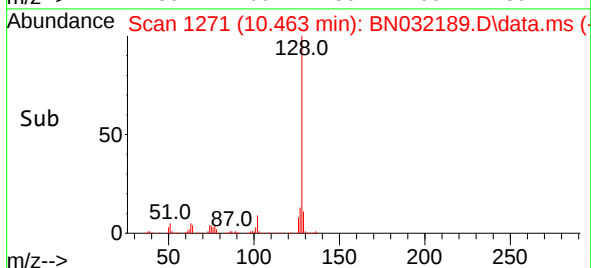
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

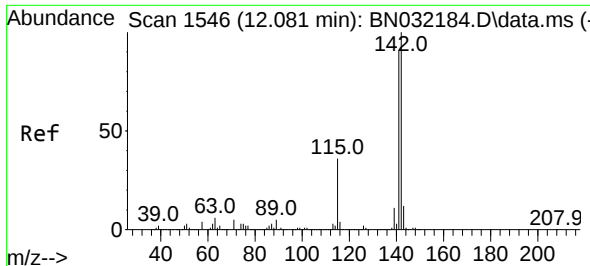


#30
Naphthalene
Concen: 7.571 ng/ul
RT: 10.463 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23



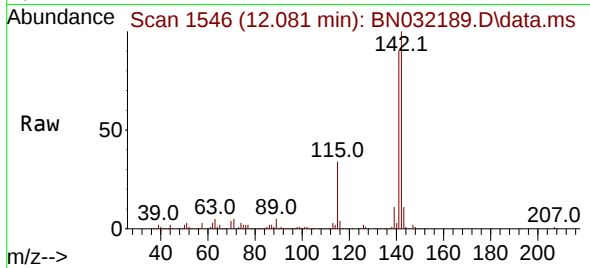
Tgt Ion:128 Resp: 504825
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.8 10.3 15.5





#36
2-Methylnaphthalene
Concen: 4.022 ng/ul
RT: 12.081 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

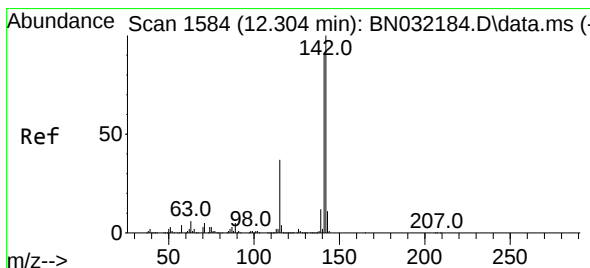
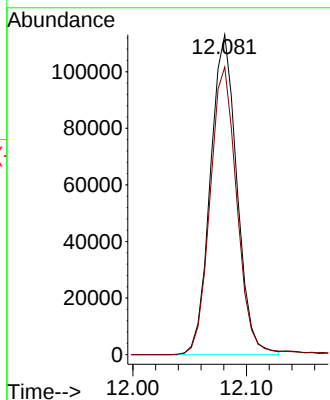
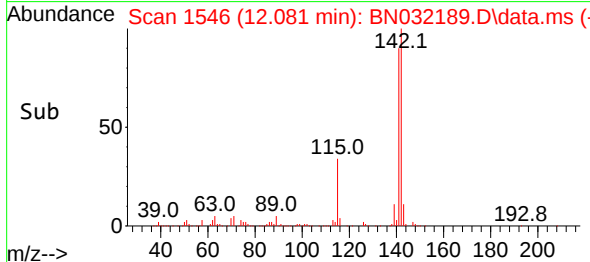
Instrument :
BNA_N
ClientSampleId :
A4D48



Tgt Ion:142 Resp: 183285
Ion Ratio Lower Upper
142 100
141 89.9 70.1 105.1

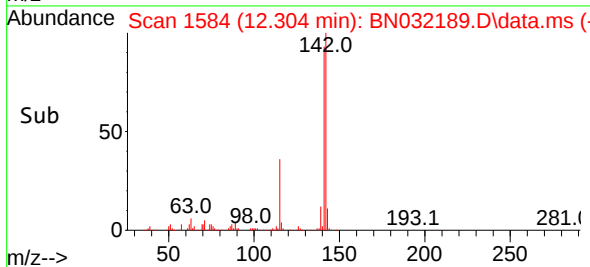
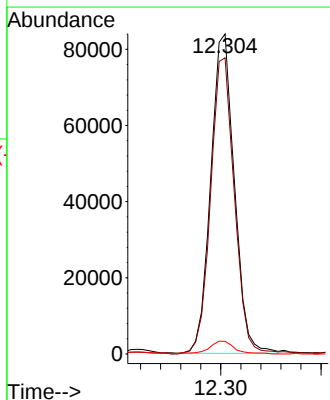
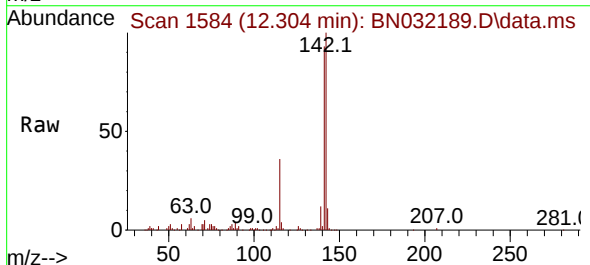
Manual Integrations
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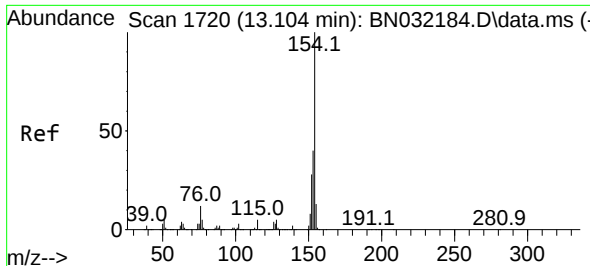
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#37
1-Methylnaphthalene
Concen: 2.997 ng/ul
RT: 12.304 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

Tgt Ion:142 Resp: 137047
Ion Ratio Lower Upper
142 100
141 92.5 71.7 107.5
116 3.9 3.0 4.4





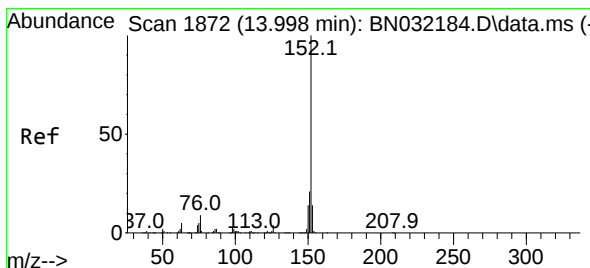
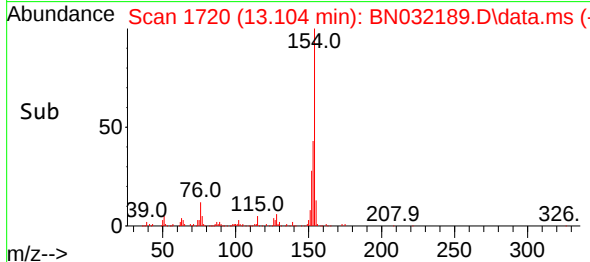
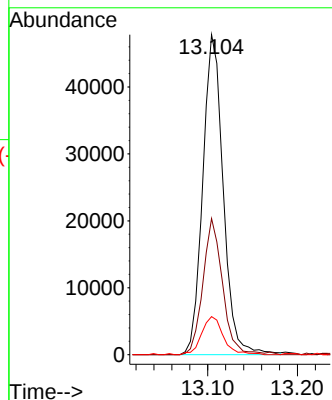
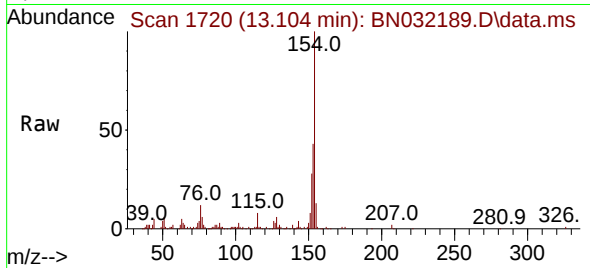
#43
1,1'-Biphenyl
Concen: 1.376 ng/ul
RT: 13.104 min Scan# 1720
Delta R.T. -0.006 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

Instrument :
BNA_N
ClientSampleId :
A4D48

Tgt Ion:154 Resp: 75732
Ion Ratio Lower Upper
154 100
153 42.6 30.6 46.0
76 11.9 11.1 16.7

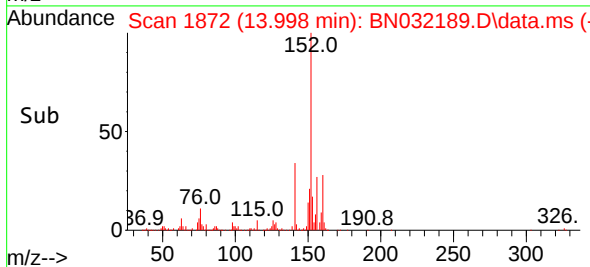
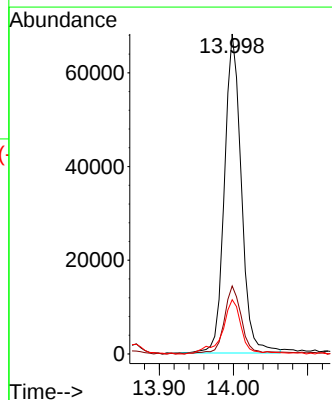
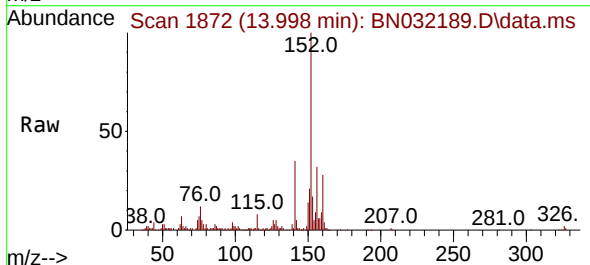
Manual Integrations
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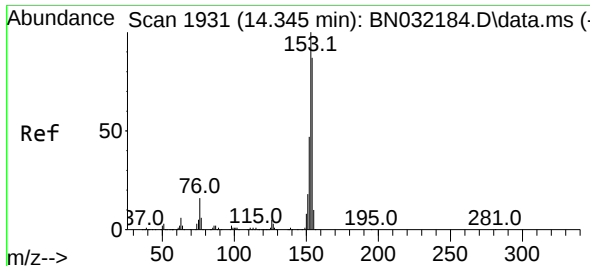
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#50
Acenaphthylene
Concen: 1.524 ng/ul
RT: 13.998 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

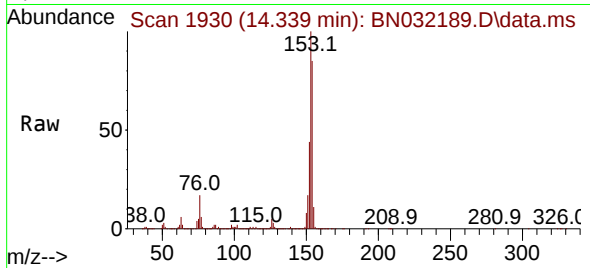
Tgt Ion:152 Resp: 107945
Ion Ratio Lower Upper
152 100
151 21.2 15.9 23.9
153 17.0 10.4 15.6#





#52
Acenaphthene
Concen: 19.411 ng/ul
RT: 14.339 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

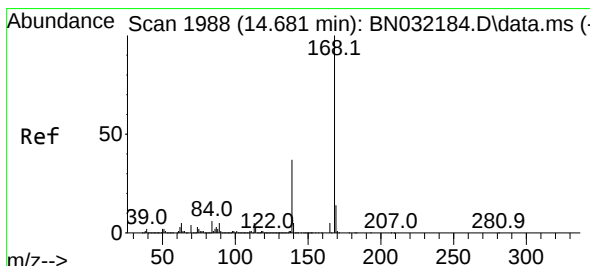
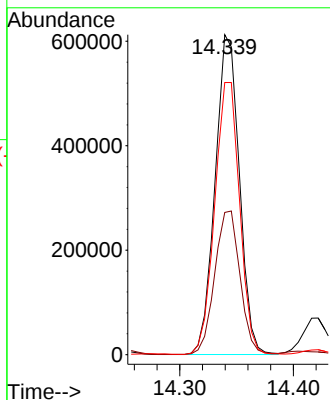
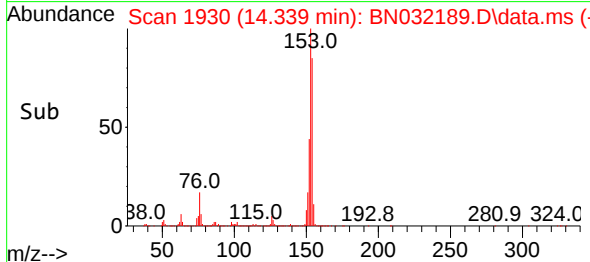
Instrument :
BNA_N
ClientSampleId :
A4D48



Tgt Ion:153 Resp: 909833
Ion Ratio Lower Upper
153 100
152 44.4 37.8 56.6
154 85.1 69.8 104.8

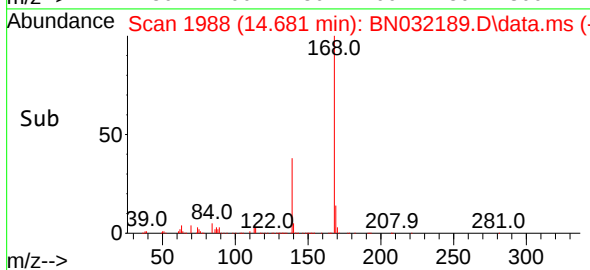
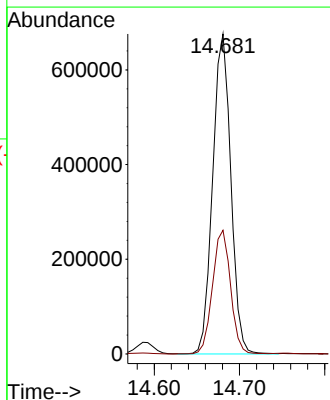
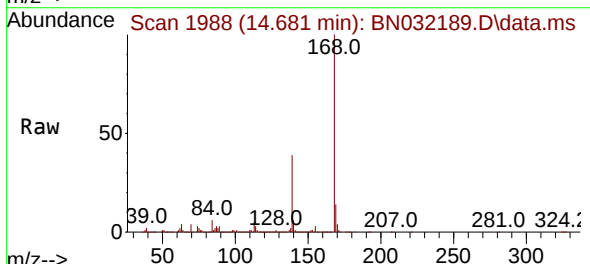
Manual Integrations
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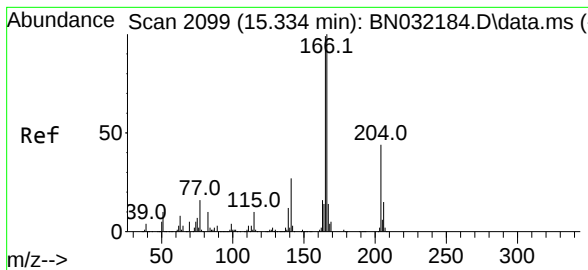
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#56
Dibenzofuran
Concen: 15.694 ng/ul
RT: 14.681 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

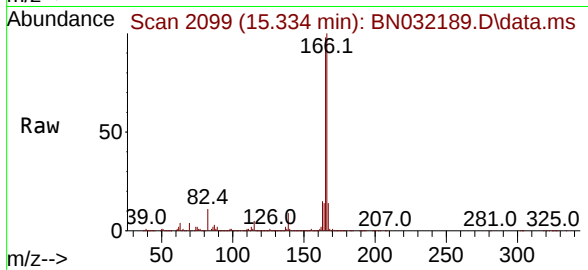
Tgt Ion:168 Resp: 999418
Ion Ratio Lower Upper
168 100
139 38.7 29.4 44.0





#61
Fluorene
Concen: 22.903 ng/u1
RT: 15.334 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

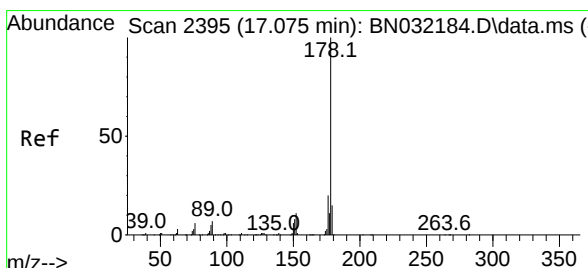
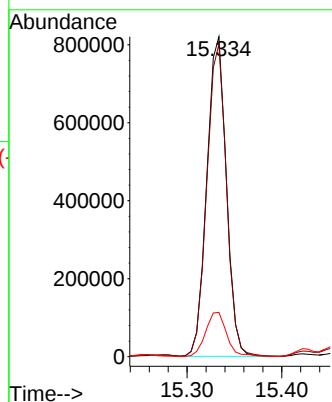
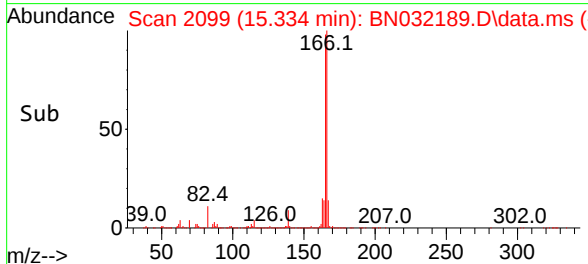
Instrument :
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Tgt Ion:166 Resp: 1174502
Ion Ratio Lower Upper
166 100
165 97.6 80.3 120.5
167 13.8 11.3 16.9

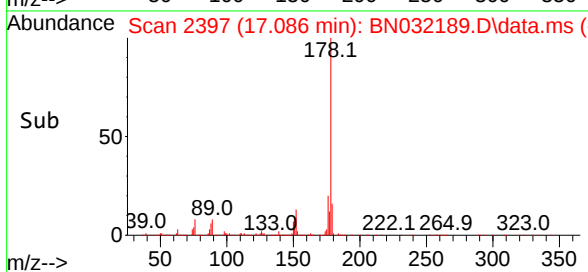
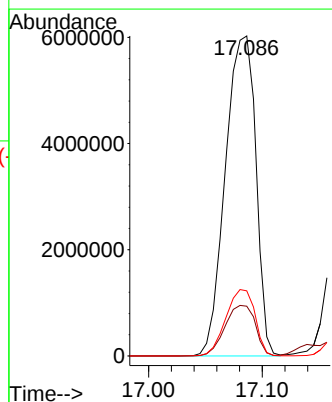
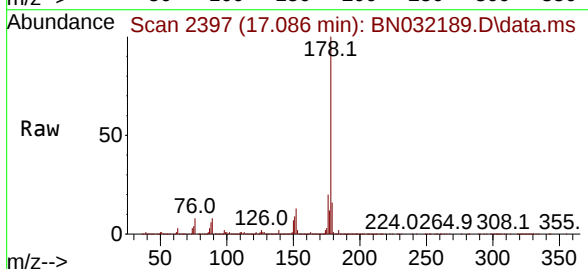
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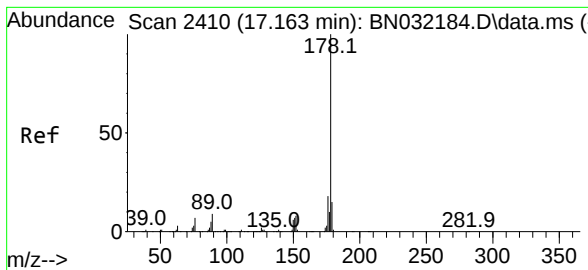
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024



#72
Phenanthrene
Concen: 140.649 ng/u1
RT: 17.086 min Scan# 2397
Delta R.T. 0.012 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

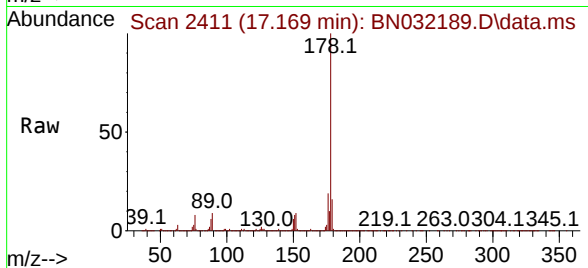
Tgt Ion:178 Resp:11227219
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 20.4 15.8 23.6





#74
 Anthracene
 Concen: 53.539 ng/ul
 RT: 17.169 min Scan# 2410
 Delta R.T. 0.006 min
 Lab File: BN032189.D
 Acq: 23 Jun 2024 06:23

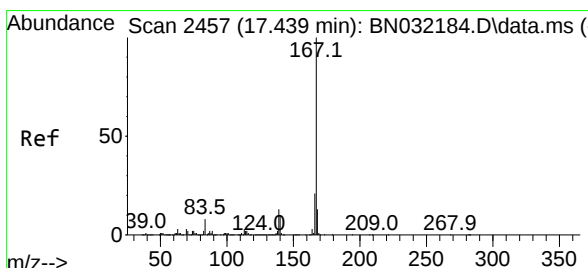
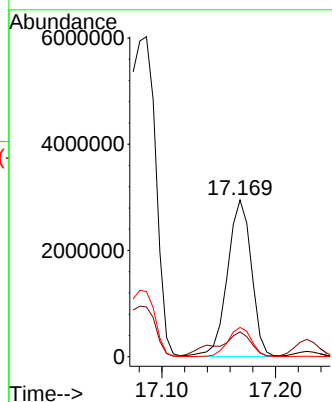
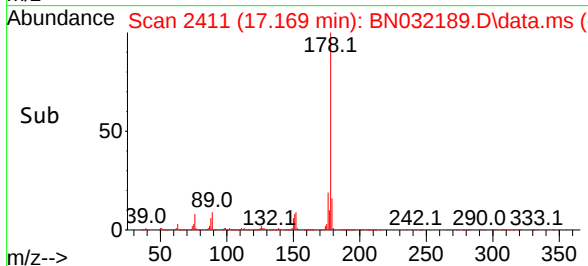
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Tgt Ion:178 Resp: 433046
 Ion Ratio Lower Upper
 178 100
 179 15.9 11.8 17.6
 176 18.7 14.8 22.2

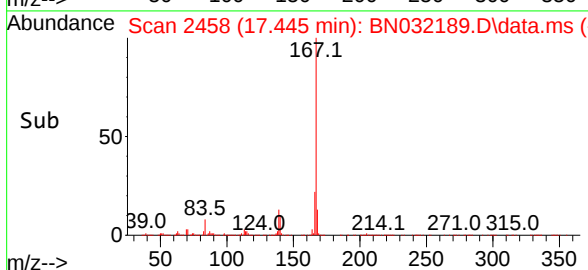
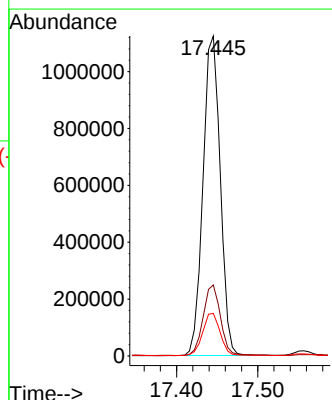
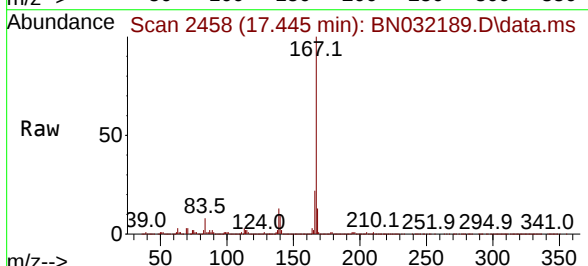
Manual Integrations
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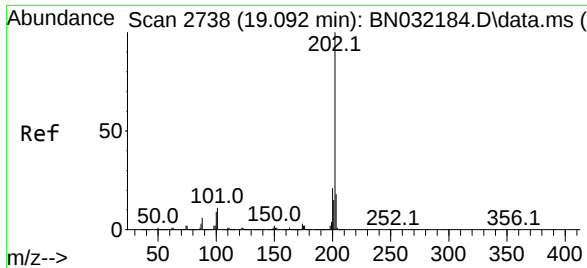
Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/26/2024



#77
 Carbazole
 Concen: 24.026 ng/ul
 RT: 17.445 min Scan# 2458
 Delta R.T. 0.006 min
 Lab File: BN032189.D
 Acq: 23 Jun 2024 06:23

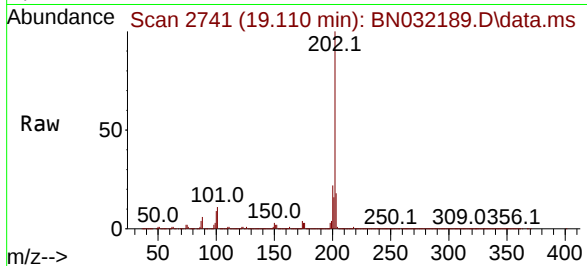
Tgt Ion:167 Resp: 1657034
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.9 26.9
 139 13.3 10.5 15.7





#80
Fluoranthene
Concen: 151.293 ng/u1
RT: 19.110 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

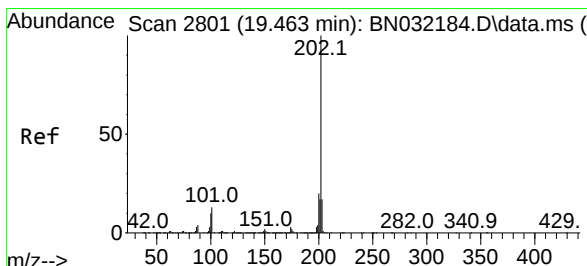
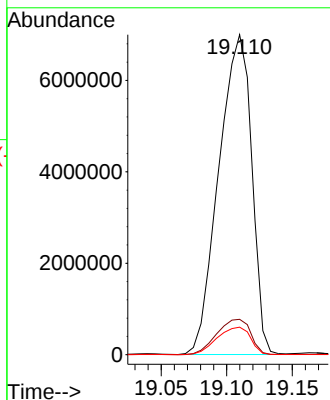
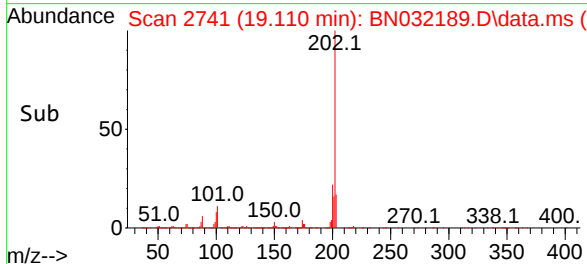
Instrument :
BNA_N
ClientSampleId :
A4D48



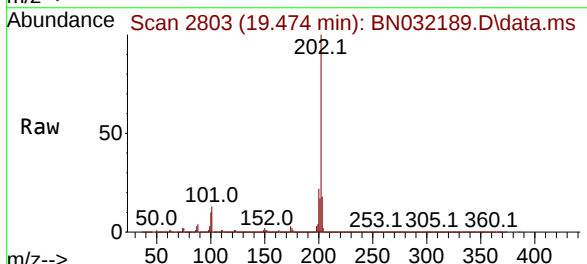
Tgt Ion:202 Resp:12186694
Ion Ratio Lower Upper
202 100
101 11.0 10.3 15.5
100 8.6 8.0 12.0

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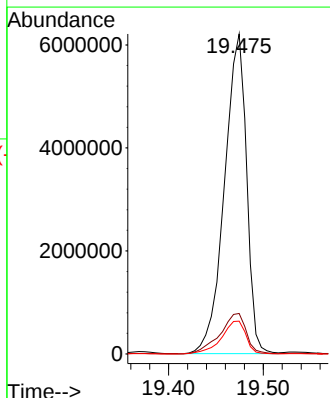
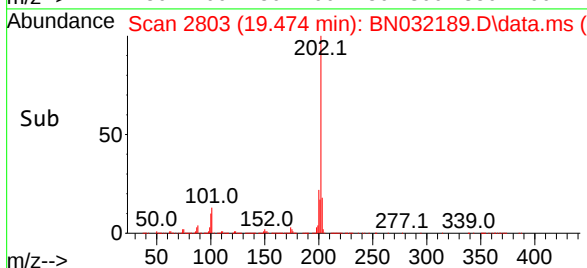
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

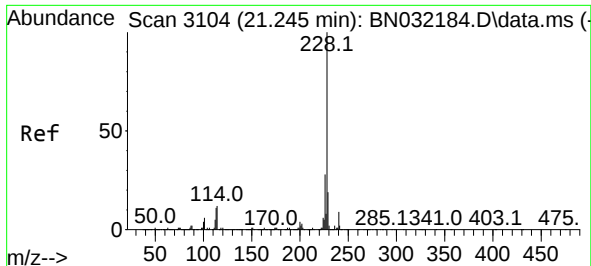


#82
Pyrene
Concen: 121.852 ng/u1
RT: 19.474 min Scan# 2803
Delta R.T. 0.012 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23



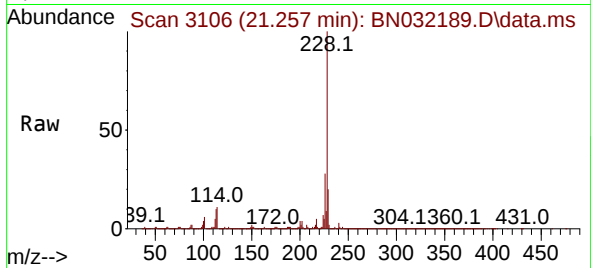
Tgt Ion:202 Resp:10070382
Ion Ratio Lower Upper
202 100
101 12.7 12.6 18.8
100 10.2 10.2 15.2





#85
Benzo(a)anthracene
Concen: 82.685 ng/ul
RT: 21.257 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

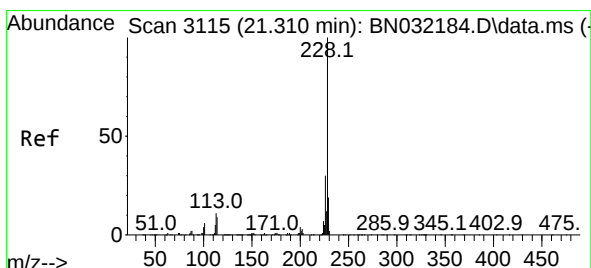
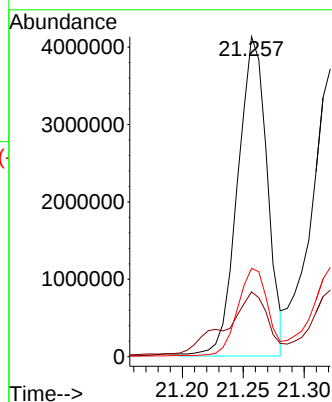
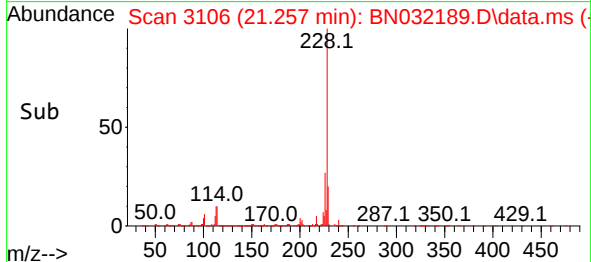
Instrument :
BNA_N
ClientSampleId :
A4D48



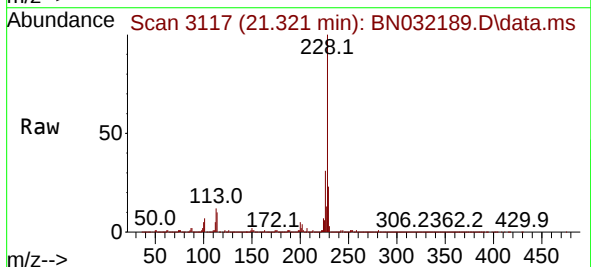
Tgt Ion:228 Resp: 697084
Ion Ratio Lower Upper
228 100
229 20.3 16.7 25.1
226 27.6 22.8 34.2

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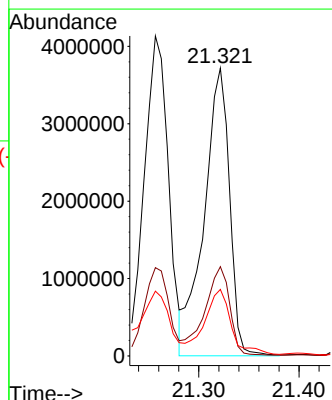
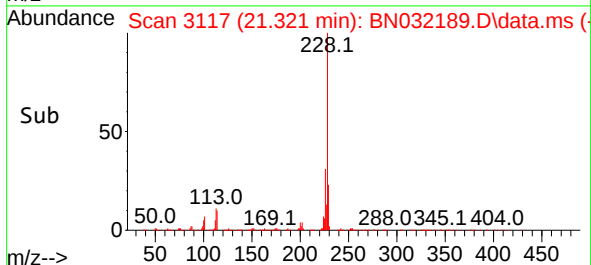
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

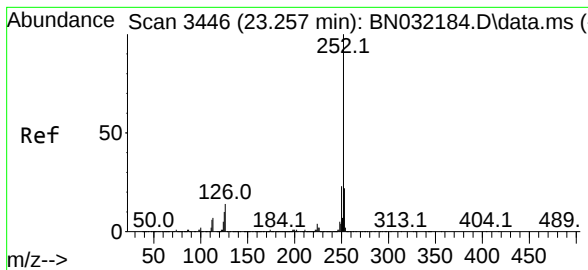


#87
Chrysene
Concen: 83.143 ng/ul m
RT: 21.321 min Scan# 3117
Delta R.T. 0.012 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23



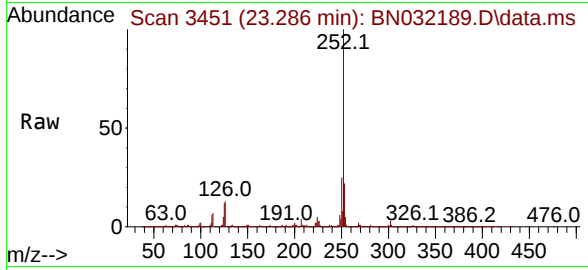
Tgt Ion:228 Resp: 6547351
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 23.2 15.1 22.7#





#90
Benzo(b)fluoranthene
Concen: 71.832 ng/ul
RT: 23.286 min Scan# 3446
Delta R.T. 0.024 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

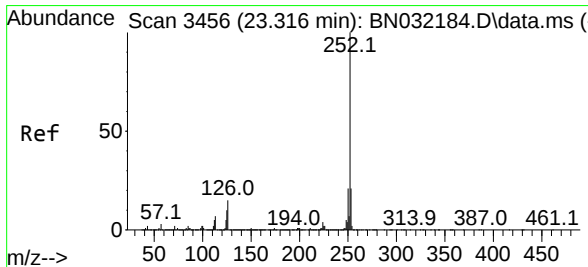
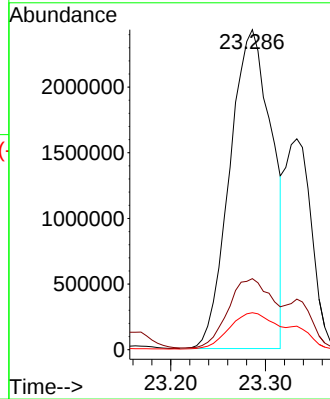
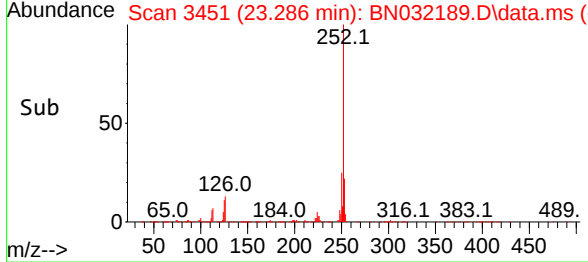
Instrument :
BNA_N
ClientSampleId :
A4D48



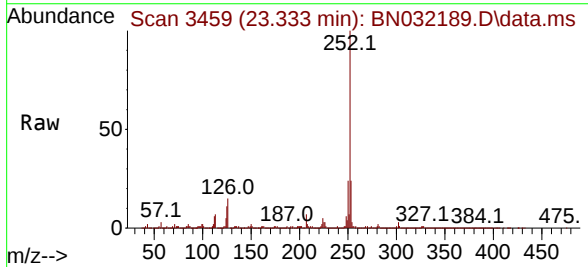
Tgt Ion:252 Resp: 7478210
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.6 9.2 13.8

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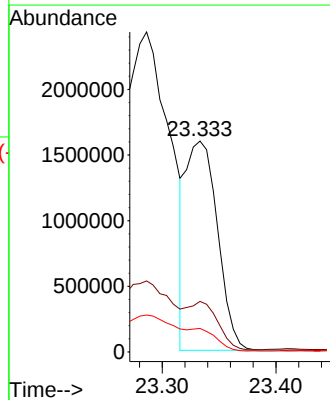
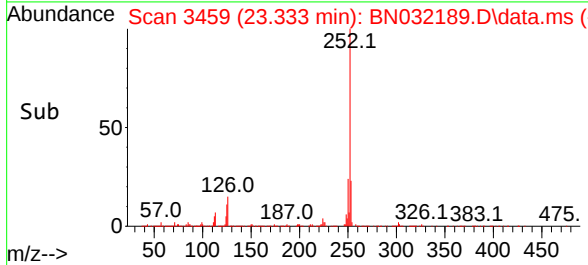
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

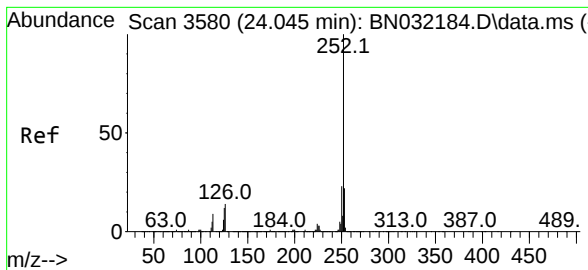


#91
Benzo(k)fluoranthene
Concen: 29.873 ng/ul
RT: 23.333 min Scan# 3459
Delta R.T. 0.012 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23



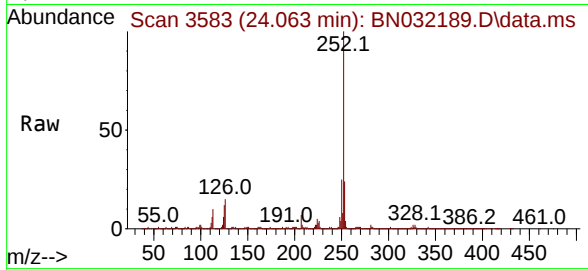
Tgt Ion:252 Resp: 3051712
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 11.1 9.4 14.2





#93
Benzo(a)pyrene
Concen: 37.658 ng/ul
RT: 24.063 min Scan# 3580
Delta R.T. 0.024 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23

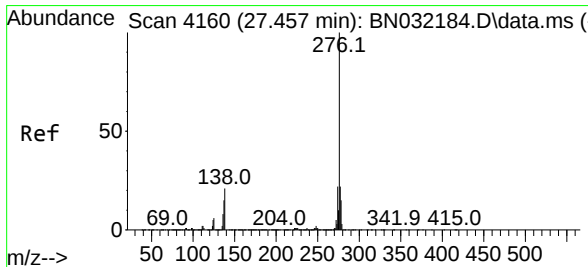
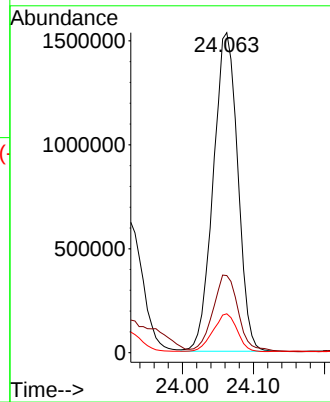
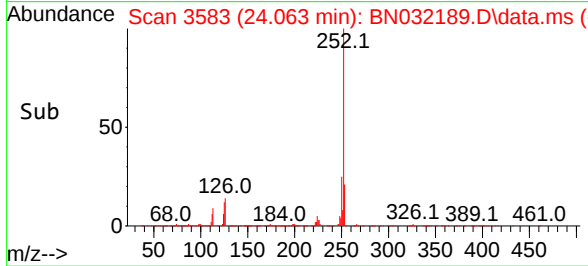
Instrument :
BNA_N
ClientSampleId :
A4D48



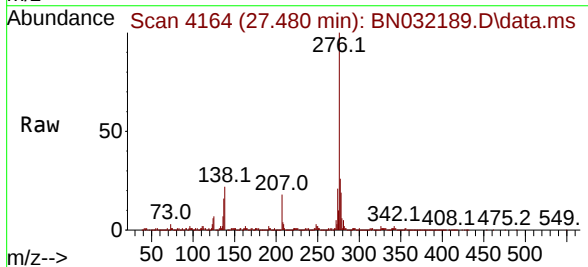
Tgt Ion:252 Resp: 3671872
Ion Ratio Lower Upper
252 100
253 24.1 16.6 24.8
125 12.1 9.8 14.8

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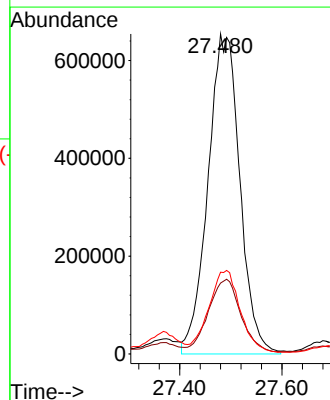
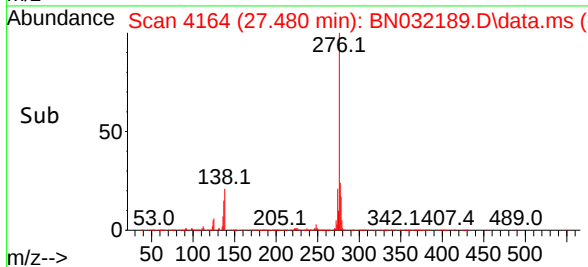
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/26/2024

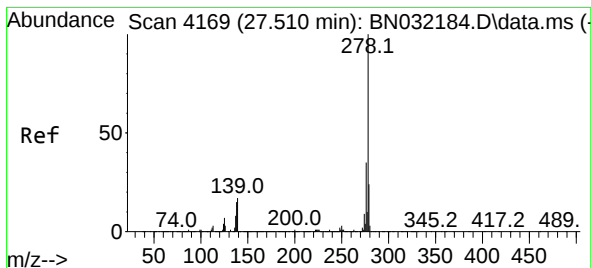


#94
Indeno(1,2,3-cd)pyrene
Concen: 25.219 ng/ul m
RT: 27.480 min Scan# 4164
Delta R.T. 0.035 min
Lab File: BN032189.D
Acq: 23 Jun 2024 06:23



Tgt Ion:276 Resp: 2833520
Ion Ratio Lower Upper
276 100
138 22.2 18.1 27.1
277 25.6 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 11.575 ng/ul

RT: 27.521 min Scan# 4169

Delta R.T. 0.018 min

Lab File: BN032189.D

Acq: 23 Jun 2024 06:23

Instrument :

BNA_N

ClientSampleId :

A4D48

Tgt Ion:278 Resp: 1061790

Ion Ratio Lower Upper

278 100

139 18.2 15.0 22.6

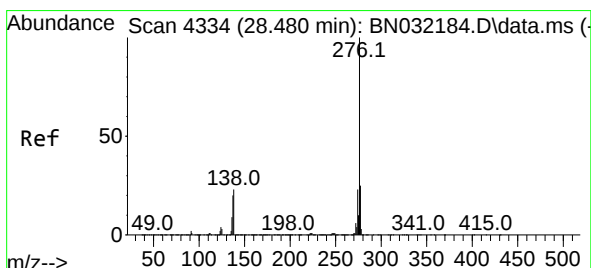
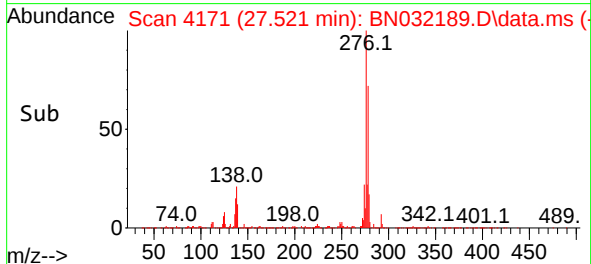
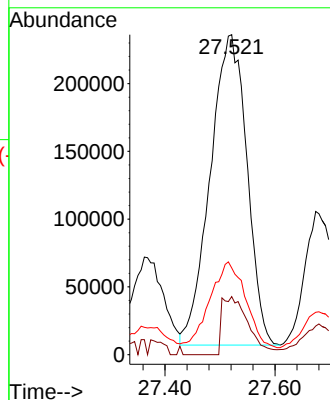
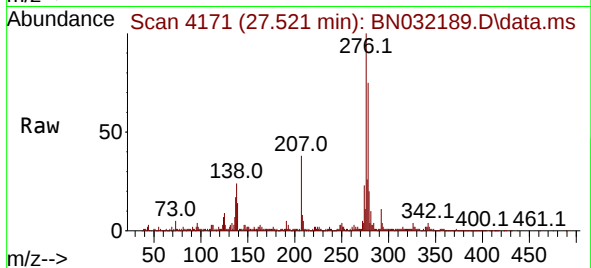
279 27.1 17.4 26.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/26/2024



#96

Benzo(g,h,i)perylene

Concen: 3.752 ng/ul

RT: 28.498 min Scan# 4337

Delta R.T. 0.030 min

Lab File: BN032189.D

Acq: 23 Jun 2024 06:23

Tgt Ion:276 Resp: 335085

Ion Ratio Lower Upper

276 100

138 27.2 20.9 31.3

277 28.1 18.0 27.0

