

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070824\
 Data File : BP020857.D
 Acq On : 09 Jul 2024 09:42
 Operator : MA/JU
 Sample : P2964-07DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CS2DL

Manual Integrations
 APPROVED

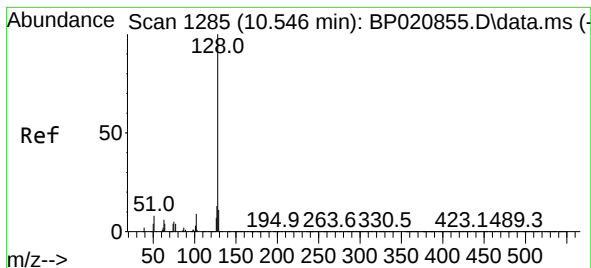
Reviewed By :Jagrut Upadhyay 07/09/2024
 Supervised By :mohammad ahmed 07/10/2024

Quant Time: Jul 09 23:32:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 15:01:56 2024
 Response via : Initial Calibration

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

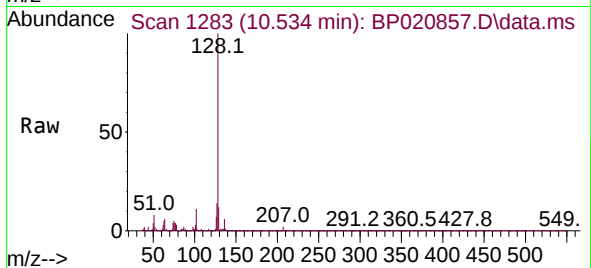
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	162902	20.000	ng/u1	0.00
20) Naphthalene-d8	10.493	136	681650	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	457975	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.175	188	986118	20.000	ng/u1	0.01
79) Chrysene-d12	21.622	240	941873	20.000	ng/u1	0.00
88) Perylene-d12	24.963	264	1104789	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	2522	0.665	ng/uL	0.00
4) Pyridine-d5	3.693	84	21012	1.900	ng/u1	0.01
7) Phenol-d5	6.922	99	42043	3.147	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.075	67	27591	3.257	ng/u1	0.00
11) 2-Chlorophenol-d4	7.269	132	36738	3.364	ng/u1	0.00
15) 4-Methylphenol-d8	8.440	113	36400	3.354	ng/u1	0.00
21) Nitrobenzene-d5	8.887	128	17559	3.489	ng/u1	0.00
24) 2-Nitrophenol-d4	9.593	143	18838	3.740	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.134	165	35525	3.424	ng/u1	0.00
31) 4-Chloroaniline-d4	10.646	131	34274	2.357	ng/u1	0.00
46) Dimethylphthalate-d6	13.757	166	152564	4.791	ng/u1	0.00
49) Acenaphthylene-d8	14.051	160	152220	4.006	ng/u1	0.01
54) 4-Nitrophenol-d4	14.634	143	14054m	2.889	ng/u1	0.05
60) Fluorene-d10	15.369	176	129830	4.845	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.522	200	11775	2.369	ng/u1	0.02
73) Anthracene-d10	17.281	188	216465	4.891	ng/u1	0.02
81) Pyrene-d10	19.657	212	248555	4.393	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.721	264	230167	4.283	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.534	128	132026	3.619	ng/u1	97
36) 2-Methylnaphthalene	12.157	142	78483	3.211	ng/u1	99
37) 1-Methylnaphthalene	12.375	142	57087	2.285	ng/u1	97
52) Acenaphthene	14.422	153	281520	9.888	ng/u1	99
56) Dibenzofuran	14.769	168	100869	2.629	ng/u1	100
61) Fluorene	15.434	166	258869	8.398	ng/u1	100
72) Phenanthrene	17.222	178	3237826	62.702	ng/u1	99
74) Anthracene	17.316	178	520493	9.799	ng/u1	99
77) Carbazole	17.604	167	144594	3.298	ng/u1	99
80) Fluoranthene	19.310	202	2467592	35.701	ng/u1	99
82) Pyrene	19.692	202	2427883	34.251	ng/u1	99
85) Benzo(a)anthracene	21.604	228	1242027	18.814	ng/u1	97
87) Chrysene	21.669	228	1353543	21.691	ng/u1	98
90) Benzo(b)fluoranthene	23.910	252	1227760	18.344	ng/u1	99
91) Benzo(k)fluoranthene	23.969	252	401662	5.933	ng/u1	99
93) Benzo(a)pyrene	24.798	252	561349	8.885	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.768	276	390789	4.822	ng/u1	97
95) Dibenzo(a,h)anthracene	28.827	278	158592m	2.381	ng/u1	

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



#30
Naphthalene
Concen: 3.619 ng/ul
RT: 10.534 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42

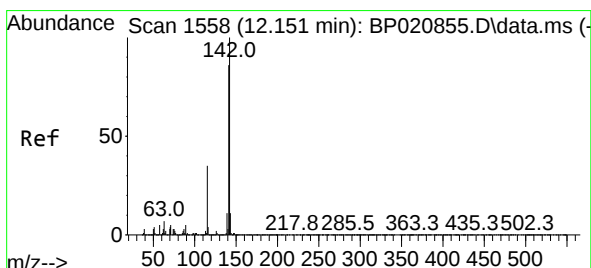
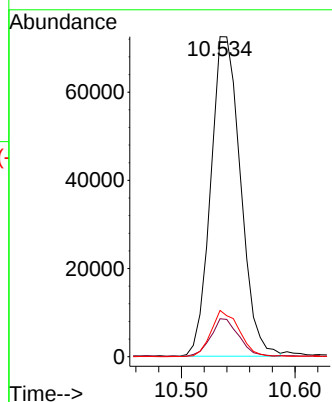
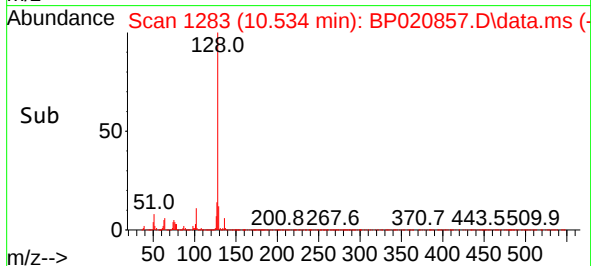
Instrument :
BNA_P
ClientSampleId :
A4CS2DL



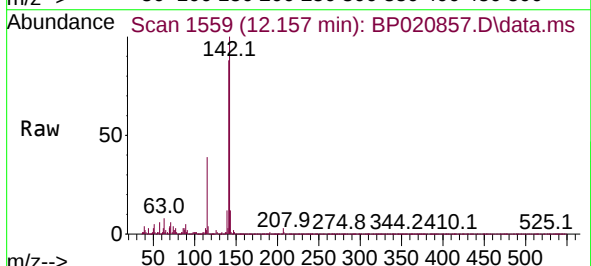
Tgt Ion:128 Resp: 132020
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 14.5 10.6 15.8

Manual Integrations
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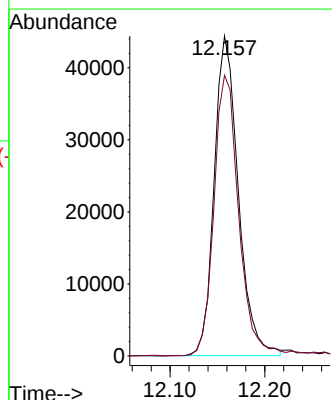
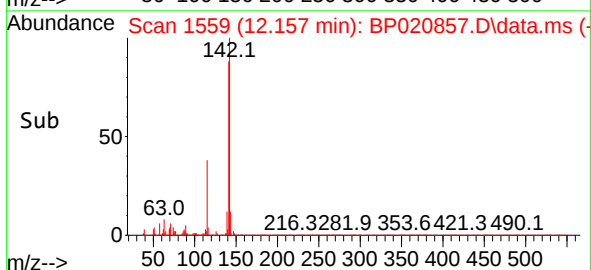
Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

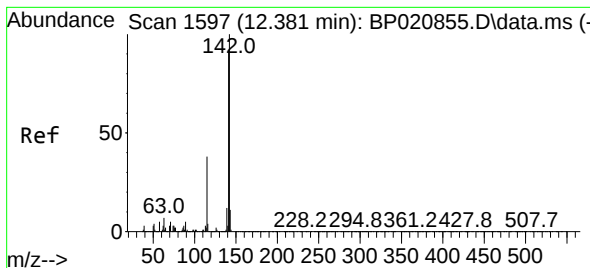


#36
2-Methylnaphthalene
Concen: 3.211 ng/ul
RT: 12.157 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42



Tgt Ion:142 Resp: 78483
Ion Ratio Lower Upper
142 100
141 87.7 71.1 106.7





#37

1-Methylnaphthalene

Concen: 2.285 ng/ul

RT: 12.375 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP020857.D

Acq: 09 Jul 2024 09:42

Instrument :

BNA_P

ClientSampleId :

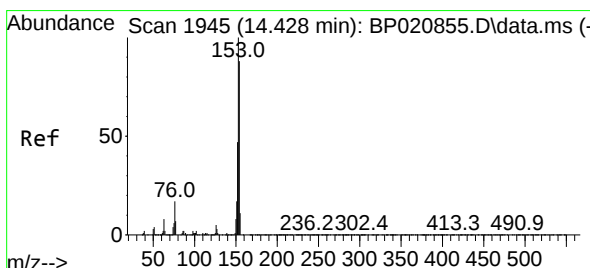
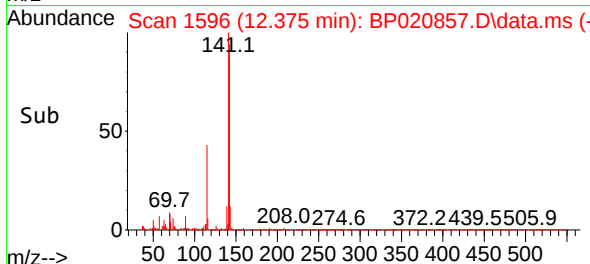
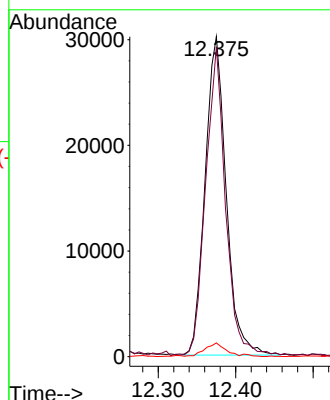
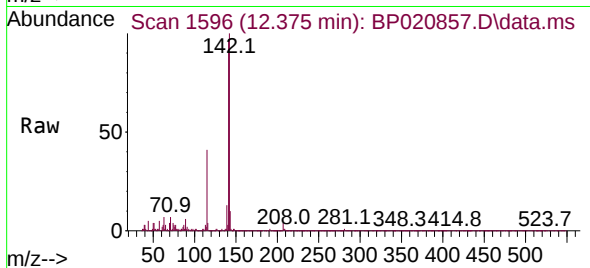
A4CS2DL

Tgt Ion:	142	Resp:	5708
Ion Ratio	Lower	Upper	
142	100		
141	96.8	74.9	112.3
116	4.3	3.3	4.9

Manual Integrations

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Supervised By :mohammad ahmed 07/10/2024



#52

Acenaphthene

Concen: 9.888 ng/ul

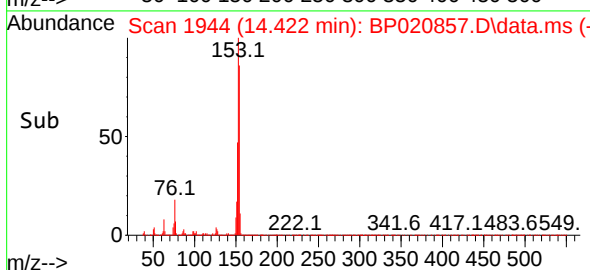
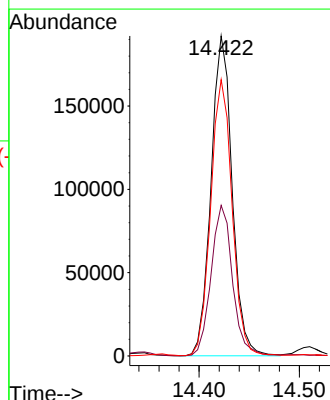
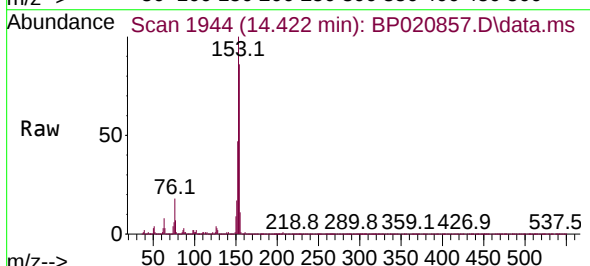
RT: 14.422 min Scan# 1944

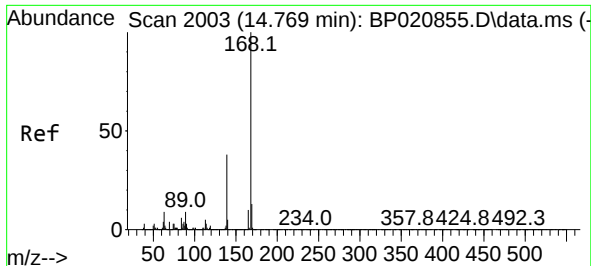
Delta R.T. 0.006 min

Lab File: BP020857.D

Acq: 09 Jul 2024 09:42

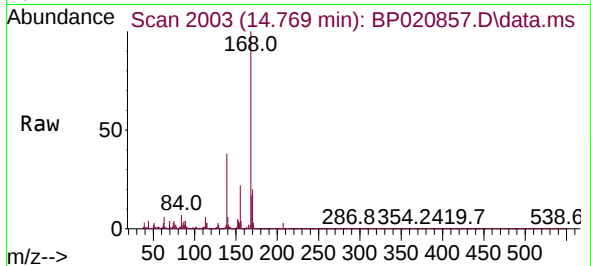
Tgt Ion:	153	Resp:	281520
Ion Ratio	Lower	Upper	
153	100		
152	47.0	38.2	57.2
154	86.4	69.8	104.6





#56
Dibenzenofuran
Concen: 2.629 ng/ul
RT: 14.769 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42

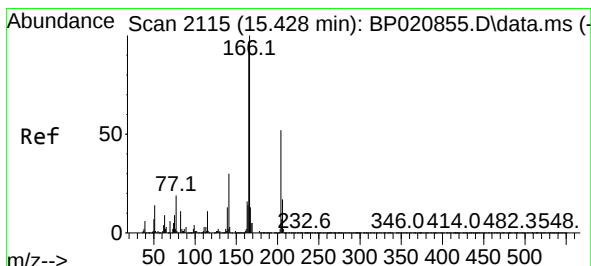
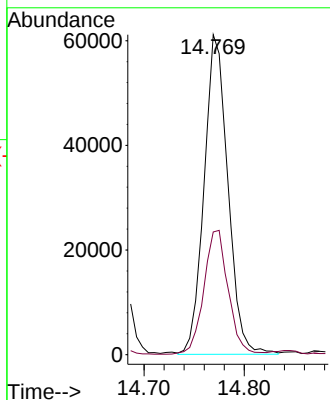
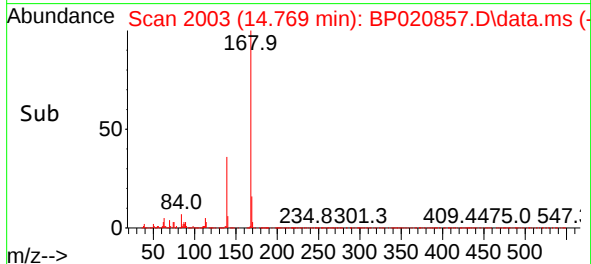
Instrument :
BNA_P
ClientSampleId :
A4CS2DL



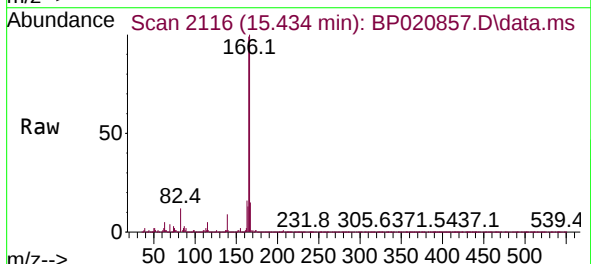
Tgt Ion:168 Resp: 100869
Ion Ratio Lower Upper
168 100
139 38.4 30.7 46.1

Manual Integrations
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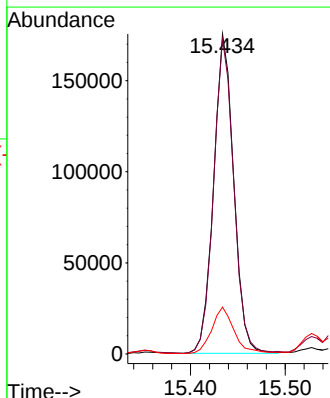
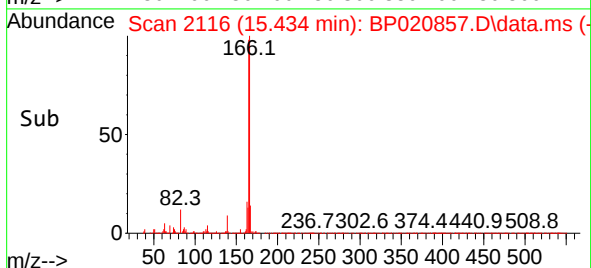
Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

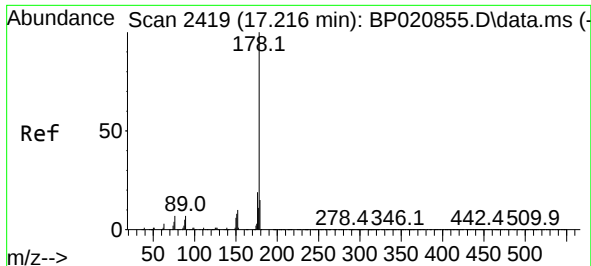


#61
Fluorene
Concen: 8.398 ng/ul
RT: 15.434 min Scan# 2116
Delta R.T. 0.012 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42



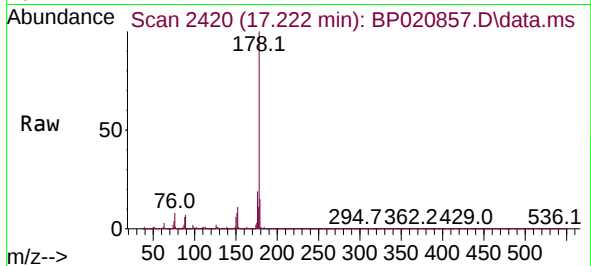
Tgt Ion:166 Resp: 258869
Ion Ratio Lower Upper
166 100
165 98.5 78.8 118.2
167 14.7 11.2 16.8





#72
Phenanthrene
Concen: 62.702 ng/ul
RT: 17.222 min Scan# 2419
Delta R.T. 0.018 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42

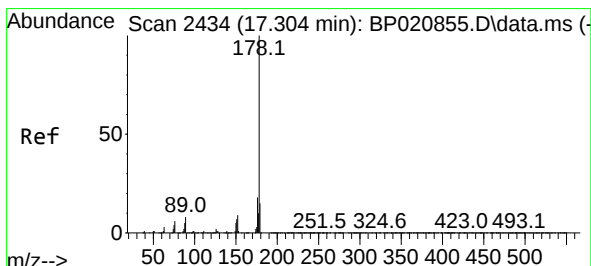
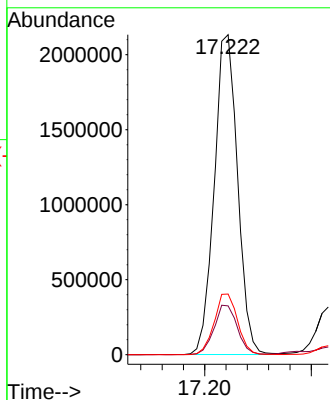
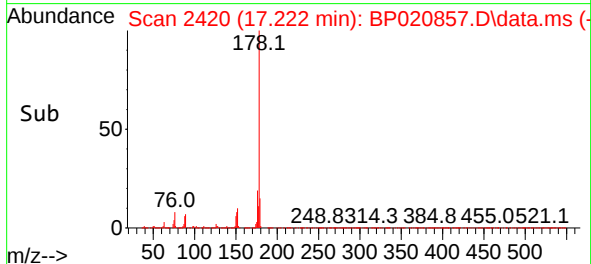
Instrument :
BNA_P
ClientSampleId :
A4CS2DL



Tgt Ion:178 Resp: 3237820
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 19.0 15.4 23.2

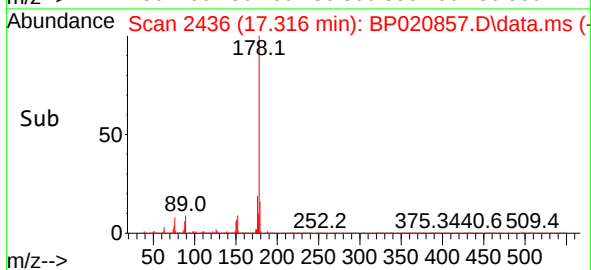
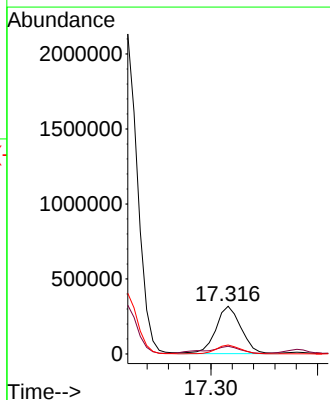
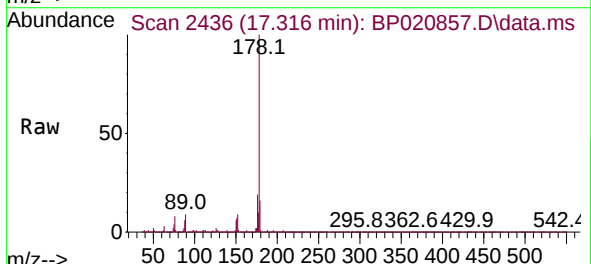
Manual Integrations
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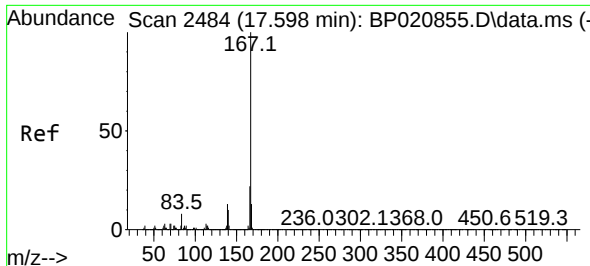
Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#74
Anthracene
Concen: 9.799 ng/ul
RT: 17.316 min Scan# 2436
Delta R.T. 0.018 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42

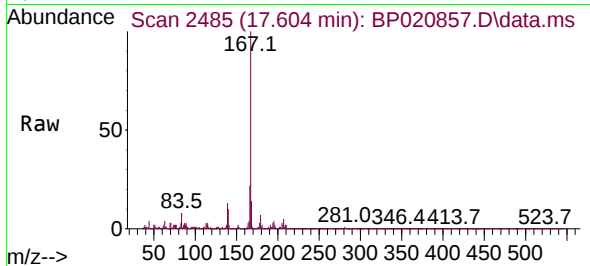
Tgt Ion:178 Resp: 520493
Ion Ratio Lower Upper
178 100
179 16.1 12.1 18.1
176 18.7 15.0 22.4





#77
 Carbazole
 Concen: 3.298 ng/ul
 RT: 17.604 min Scan# 2484
 Delta R.T. 0.018 min
 Lab File: BP020857.D
 Acq: 09 Jul 2024 09:42

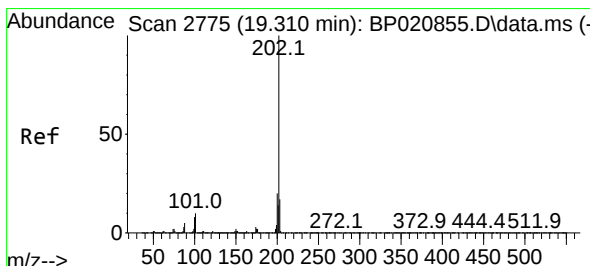
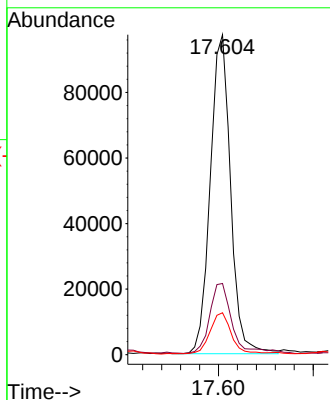
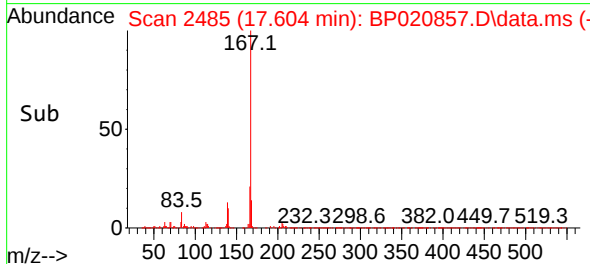
Instrument :
 BNA_P
 ClientSampleId :
 A4CS2DL



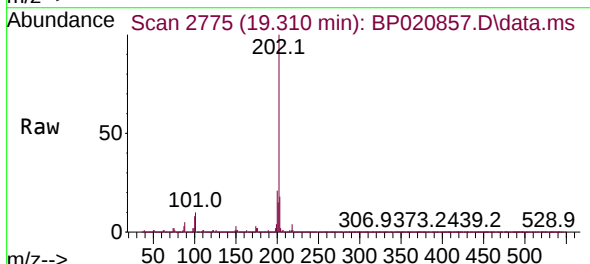
Tgt Ion:167 Resp: 144594
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.2 25.8
 139 13.1 10.6 16.0

Manual Integrations
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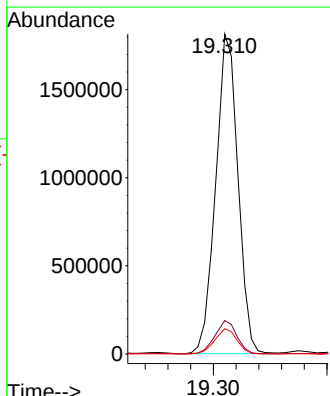
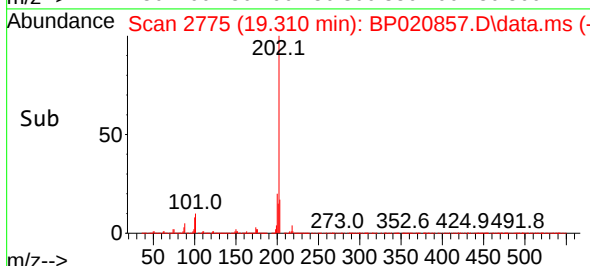
Reviewed By :Jagrut Upadhyay 07/09/2024
 Supervised By :mohammad ahmed 07/10/2024

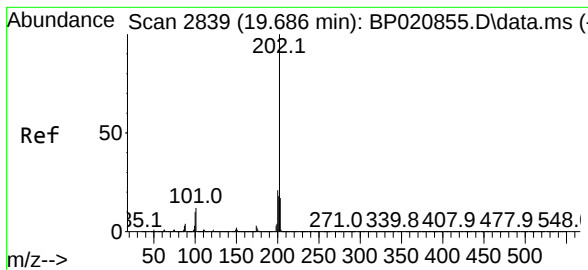


#80
 Fluoranthene
 Concen: 35.701 ng/ul
 RT: 19.310 min Scan# 2775
 Delta R.T. 0.012 min
 Lab File: BP020857.D
 Acq: 09 Jul 2024 09:42



Tgt Ion:202 Resp: 2467592
 Ion Ratio Lower Upper
 202 100
 101 10.4 8.2 12.4
 100 7.9 6.6 10.0





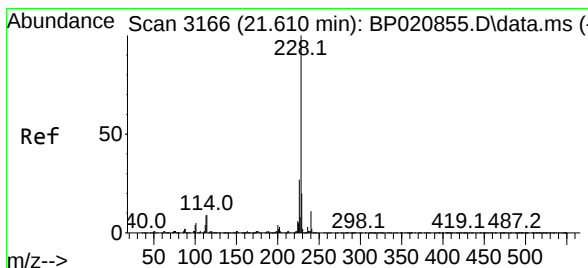
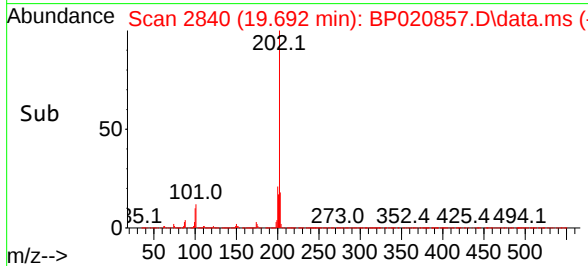
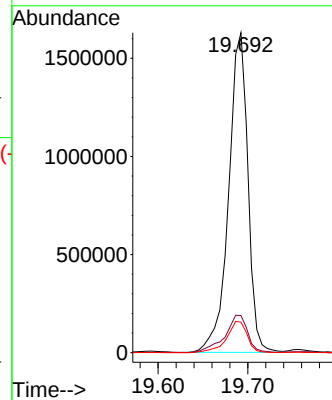
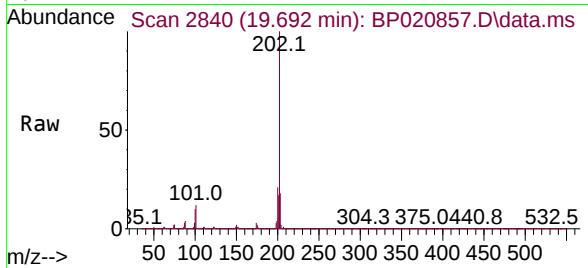
#82
 Pyrene
 Concen: 34.251 ng/ul
 RT: 19.692 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP020857.D
 Acq: 09 Jul 2024 09:42

Instrument :
 BNA_P
 ClientSampleId :
 A4CS2DL

Tgt Ion:202 Resp: 242788
 Ion Ratio Lower Upper
 202 100
 101 11.6 9.8 14.8
 100 9.5 7.9 11.9

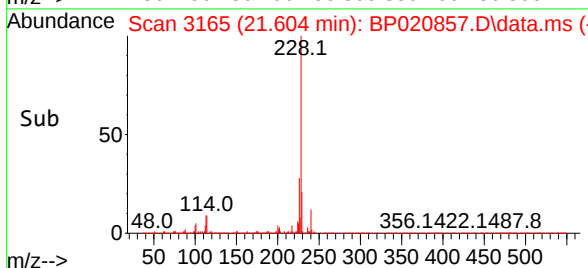
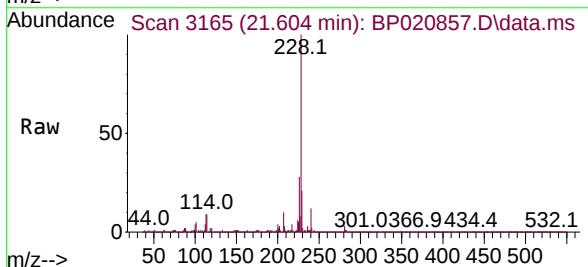
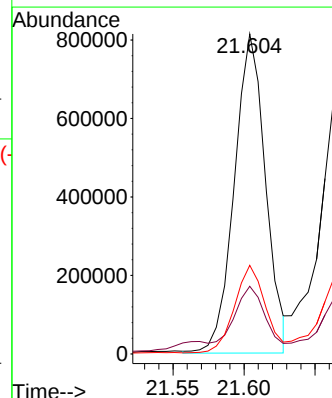
Manual Integrations
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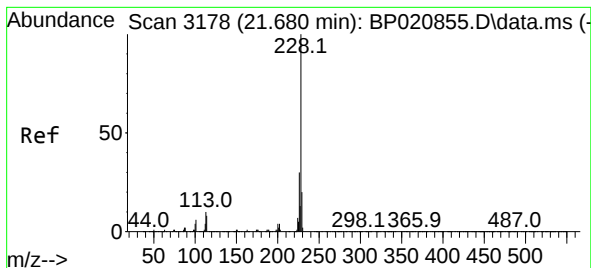
Reviewed By :Jagrut Upadhyay 07/09/2024
 Supervised By :mohammad ahmed 07/10/2024



#85
 Benzo(a)anthracene
 Concen: 18.814 ng/ul
 RT: 21.604 min Scan# 3165
 Delta R.T. 0.006 min
 Lab File: BP020857.D
 Acq: 09 Jul 2024 09:42

Tgt Ion:228 Resp: 1242027
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.2 22.8
 226 27.7 21.1 31.7





#87

Chrysene

Concen: 21.691 ng/u1

RT: 21.669 min Scan# 3176

Delta R.T. 0.000 min

Lab File: BP020857.D

Acq: 09 Jul 2024 09:42

Instrument :

BNA_P

ClientSampleId :

A4CS2DL

Tgt Ion:228 Resp: 135354

Ion Ratio Lower Upper

228 100

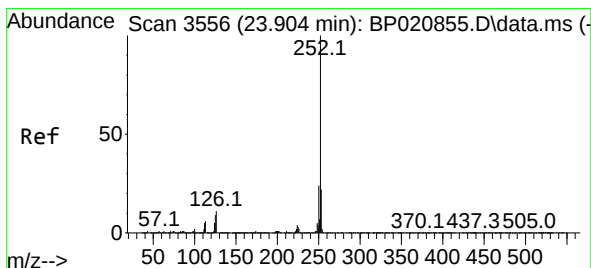
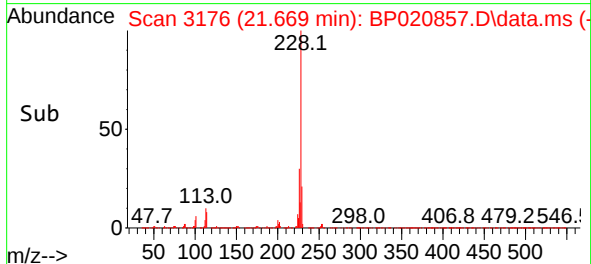
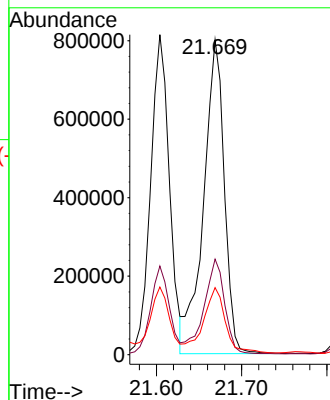
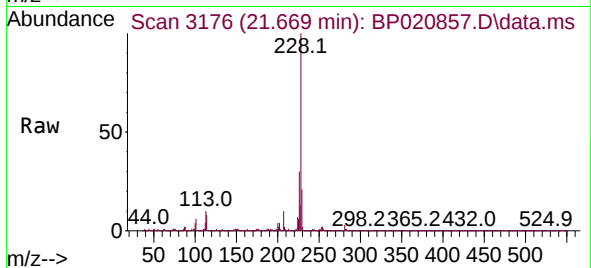
226 30.4 23.8 35.6

229 21.3 16.1 24.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#90

Benzo(b)fluoranthene

Concen: 18.344 ng/u1

RT: 23.910 min Scan# 3557

Delta R.T. 0.006 min

Lab File: BP020857.D

Acq: 09 Jul 2024 09:42

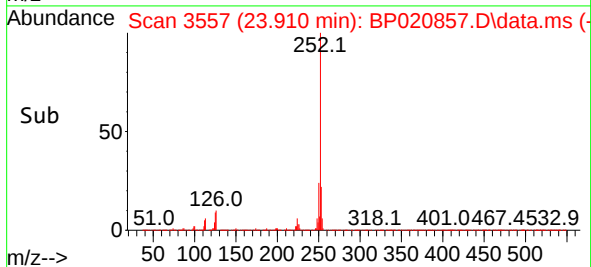
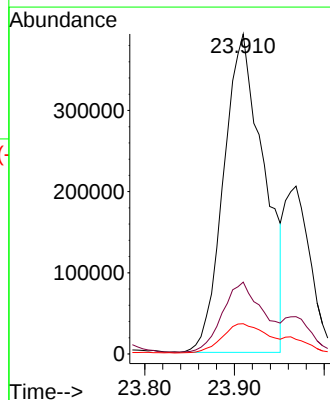
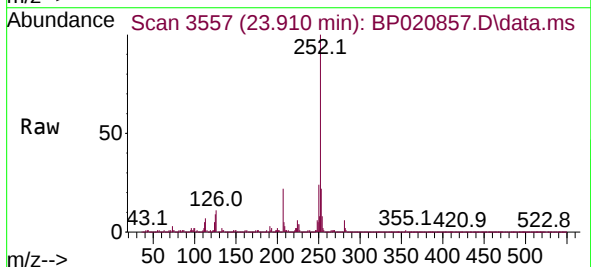
Tgt Ion:252 Resp: 1227760

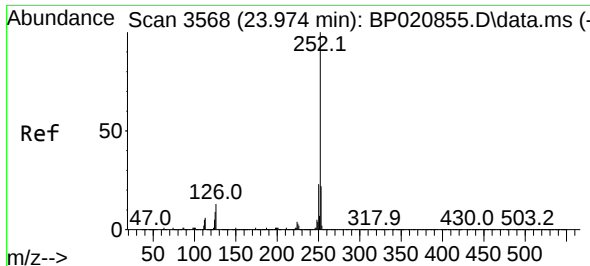
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

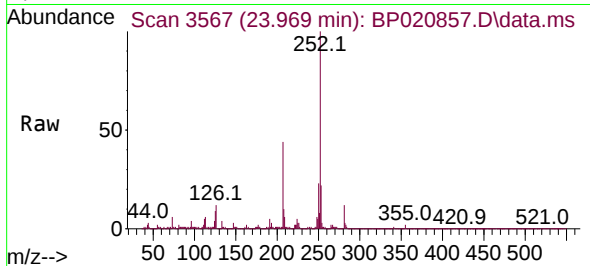
125 9.4 7.9 11.9





#91
Benzo(k)fluoranthene
Concen: 5.933 ng/u1
RT: 23.969 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42

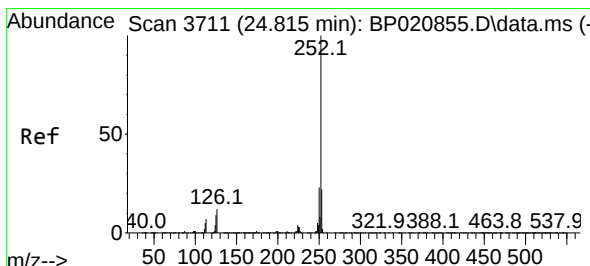
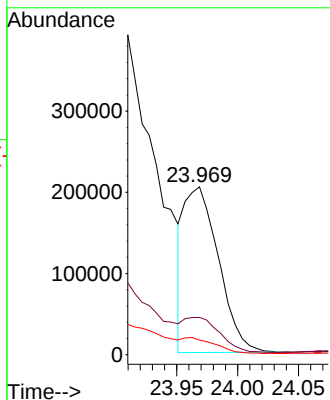
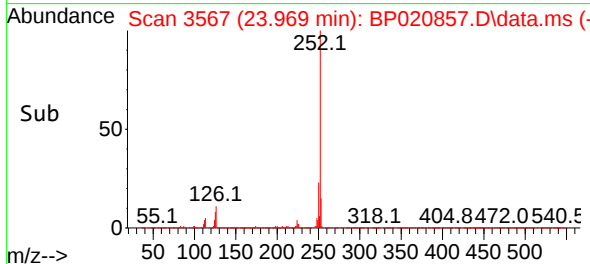
Instrument :
BNA_P
ClientSampleId :
A4CS2DL



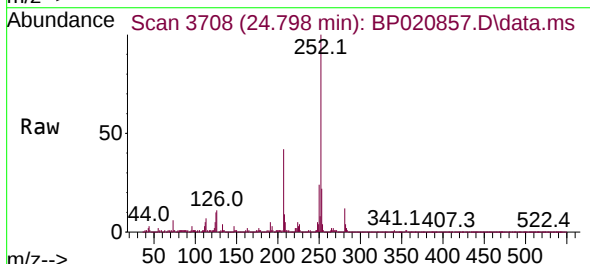
Tgt Ion:252 Resp: 401662
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 8.7 7.9 11.9

Manual Integrations
APPROVED

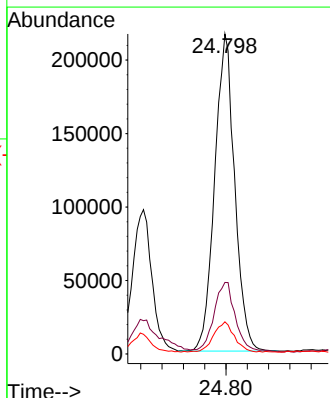
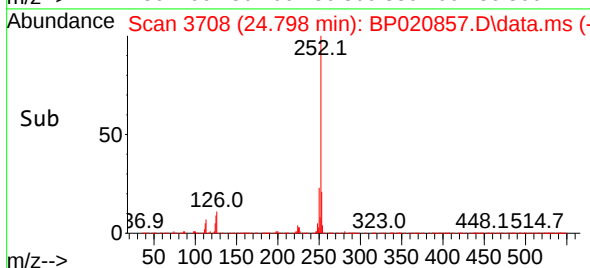
Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

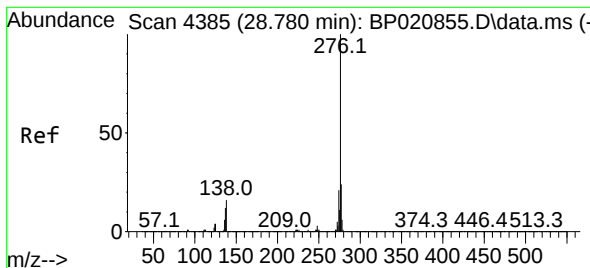


#93
Benzo(a)pyrene
Concen: 8.885 ng/u1
RT: 24.798 min Scan# 3708
Delta R.T. -0.012 min
Lab File: BP020857.D
Acq: 09 Jul 2024 09:42



Tgt Ion:252 Resp: 561349
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.0 8.7 13.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.822 ng/ul

RT: 28.768 min Scan# 4385

Delta R.T. 0.006 min

Lab File: BP020857.D

Acq: 09 Jul 2024 09:42

Instrument :

BNA_P

ClientSampleId :

A4CS2DL

Tgt Ion:276 Resp: 390789

Ion Ratio Lower Upper

276 100

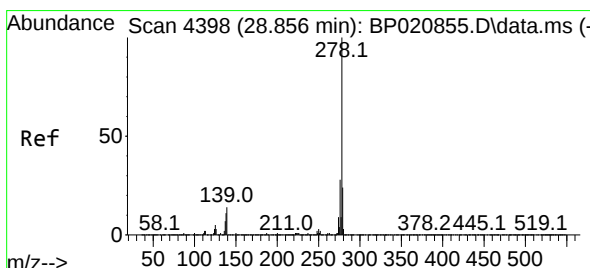
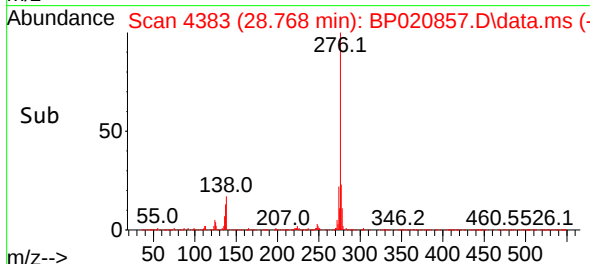
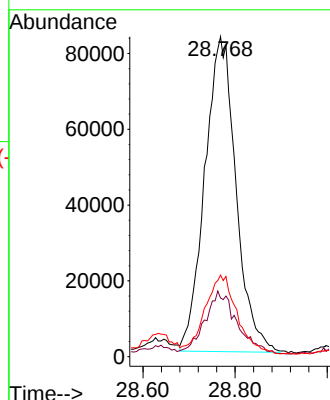
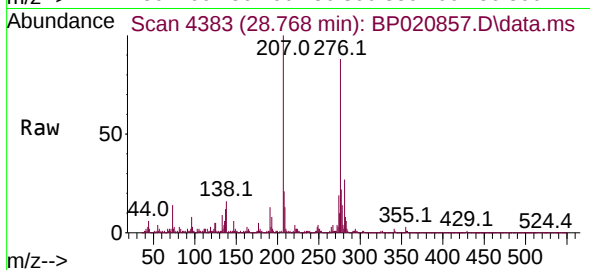
138 18.3 15.2 22.8

277 25.5 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.381 ng/ul m

RT: 28.827 min Scan# 4393

Delta R.T. -0.012 min

Lab File: BP020857.D

Acq: 09 Jul 2024 09:42

Tgt Ion:278 Resp: 158592

Ion Ratio Lower Upper

278 100

139 13.2 11.1 16.7

279 31.1 18.7 28.1#

