

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021087.D
 Acq On : 22 Jul 2024 14:05
 Operator : MA/JU
 Sample : P3238-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BE6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 03:41:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	158240	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.440	136	648983	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.298	164	446365	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.122	188	1032128	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	973385	20.000	ng/u1	0.00
88) Perylene-d12	24.898	264	1253906	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	15848	4.558	ng/uL	0.00
4) Pyridine-d5	3.658	84	41808	4.153	ng/u1	0.00
7) Phenol-d5	6.893	99	384361	29.793	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.034	67	205568	26.293	ng/u1	0.00
11) 2-Chlorophenol-d4	7.228	132	311207	29.278	ng/u1	-0.01
15) 4-Methylphenol-d8	8.398	113	302024	28.188	ng/u1	-0.02
21) Nitrobenzene-d5	8.834	128	149614	29.681	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.540	143	177146	30.704	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.092	165	314760	30.171	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.592	131	157625	11.405	ng/u1	0.00
46) Dimethylphthalate-d6	13.716	166	962428	29.660	ng/u1	0.00
49) Acenaphthylene-d8	13.986	160	1151558	31.606	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.598	143	155136	33.603	ng/u1	0.00
60) Fluorene-d10	15.316	176	910165	34.191	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.480	200	97801	15.661	ng/u1	0.00
73) Anthracene-d10	17.221	188	1469069	32.046	ng/u1	0.00
81) Pyrene-d10	19.610	212	1532338	25.463	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.662	264	1330971	21.522	ng/u1	-0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.510	105	19952	1.206	ng/u1	92
30) Naphthalene	10.487	128	327991	9.608	ng/u1	99
36) 2-Methylnaphthalene	12.092	142	124515	5.314	ng/u1	94
37) 1-Methylnaphthalene	12.322	142	103331	4.288	ng/u1	100
43) 1,1'-Biphenyl	13.116	154	46067	1.412	ng/u1	97
50) Acenaphthylene	14.022	152	156923	3.804	ng/u1	99
52) Acenaphthene	14.363	153	532063	19.432	ng/u1	99
56) Dibenzofuran	14.710	168	535192	14.274	ng/u1	98
61) Fluorene	15.375	166	657164	21.478	ng/u1	99
72) Phenanthrene	17.169	178	11154475	208.329	ng/u1	97
74) Anthracene	17.257	178	2771781	50.779	ng/u1	100
77) Carbazole	17.557	167	1257852	28.189	ng/u1	99
80) Fluoranthene	19.274	202	15050399	207.093	ng/u1	99
82) Pyrene	19.651	202	10630019	143.740	ng/u1	98
85) Benzo(a)anthracene	21.562	228	7281603	106.790	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.468	149	284081	6.407	ng/u1#	97
87) Chrysene	21.627	228	6971110	110.025	ng/u1	96
90) Benzo(b)fluoranthene	23.862	252	9715452	127.678	ng/u1	97
91) Benzo(k)fluoranthene	23.909	252	2481376m	32.676	ng/u1	
93) Benzo(a)pyrene	24.745	252	3575713	49.727	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.668	276	3189813m	34.426	ng/u1	
95) Dibenzo(a,h)anthracene	28.733	278	1176621m	15.335	ng/u1	
96) Benzo(g,h,i)perylene	29.856	276	449252m	5.953	ng/u1	

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

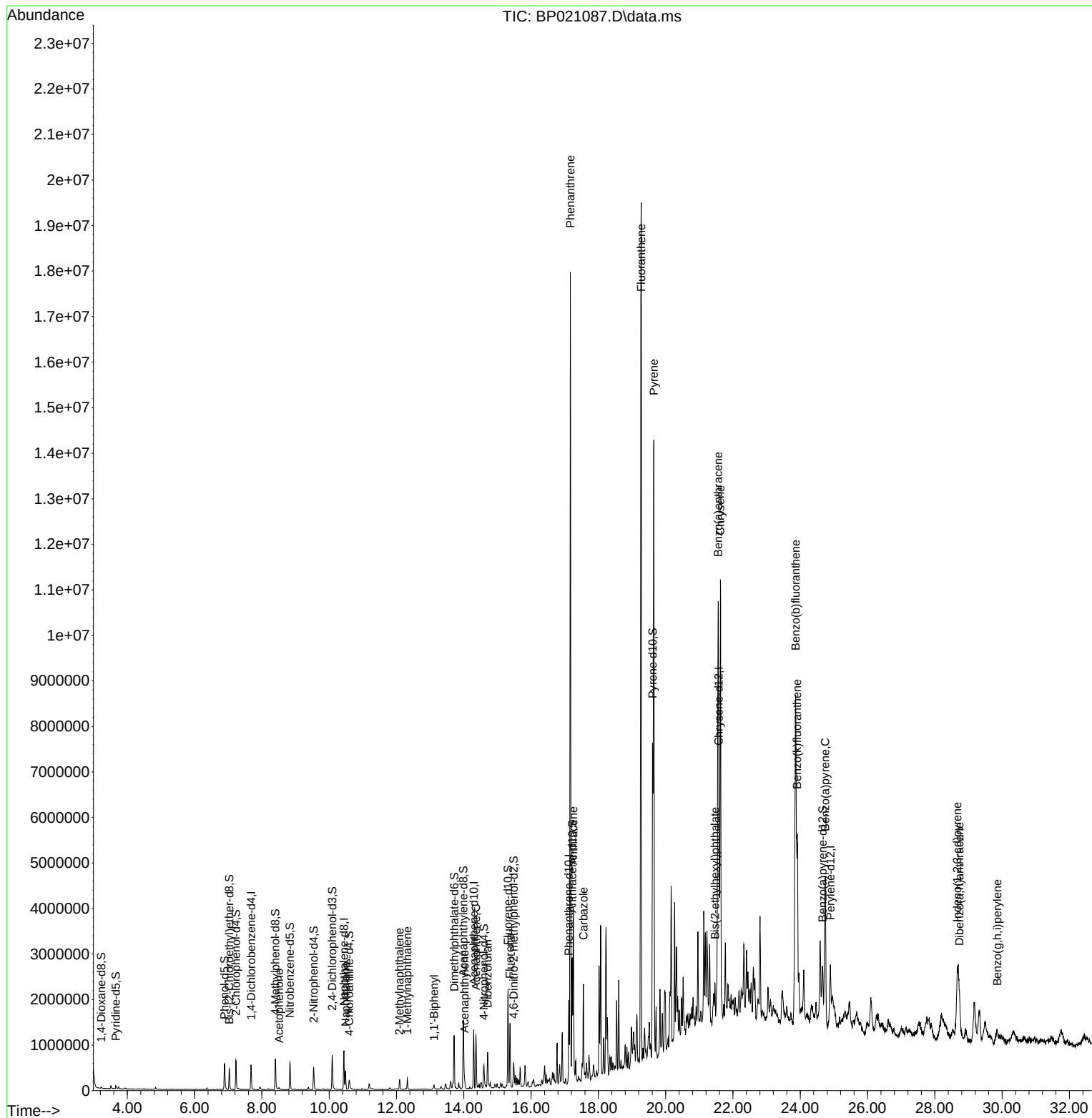
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
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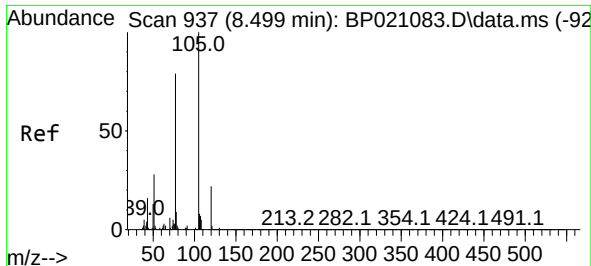
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Quant Title : SVOA CALIBRATION
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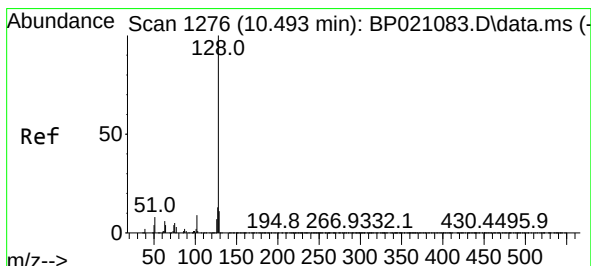
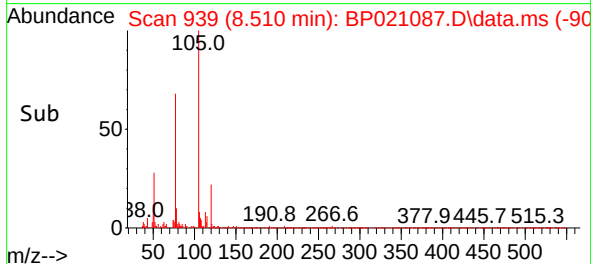
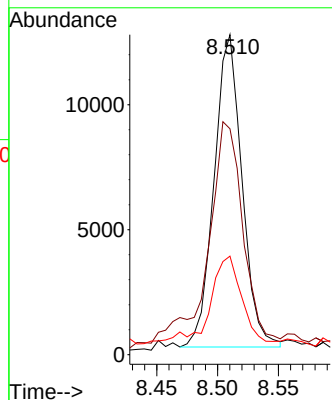
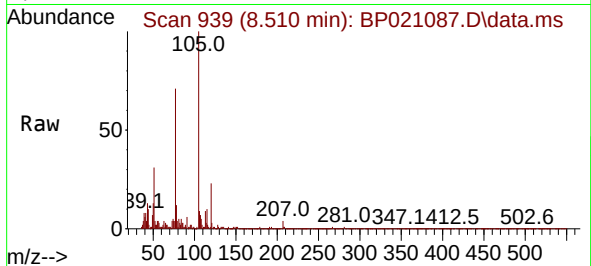
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Acetophenone
Concen: 1.206 ng/ul
RT: 8.510 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:105 Resp: 1995
Ion Ratio Lower Upper
105 100
77 70.6 61.8 92.8
51 30.8 21.5 32.3

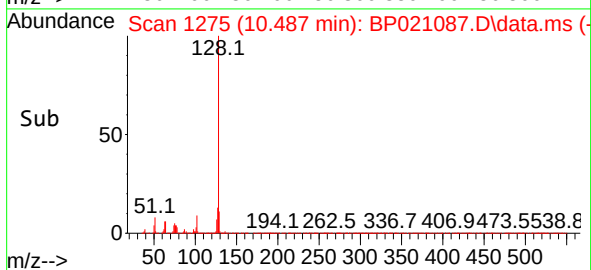
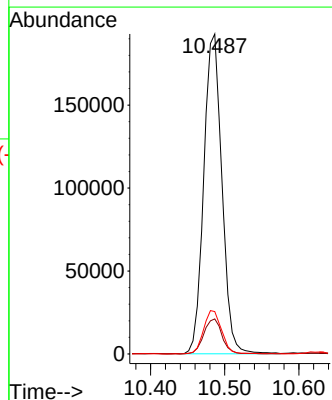
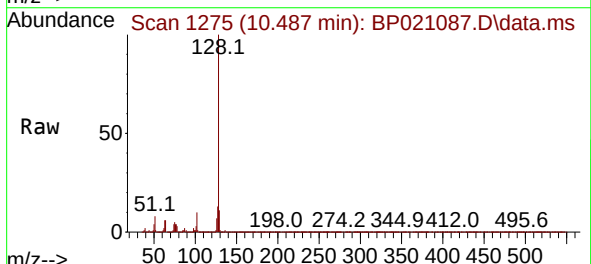
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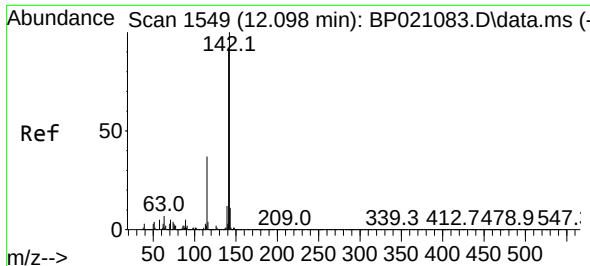
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#30
Naphthalene
Concen: 9.608 ng/ul
RT: 10.487 min Scan# 1275
Delta R.T. -0.018 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

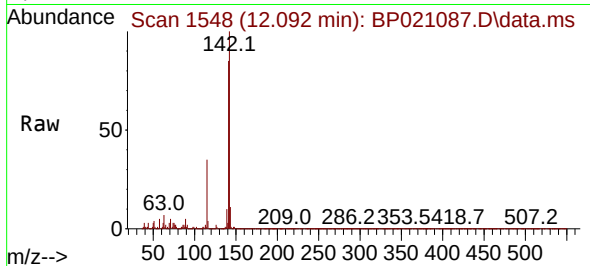
Tgt Ion:128 Resp: 327991
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.3 10.8 16.2





#36
2-Methylnaphthalene
Concen: 5.314 ng/ul
RT: 12.092 min Scan# 1548
Delta R.T. -0.012 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

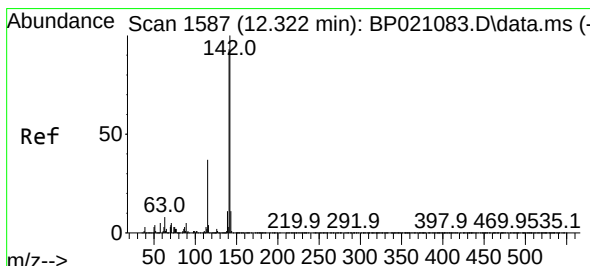
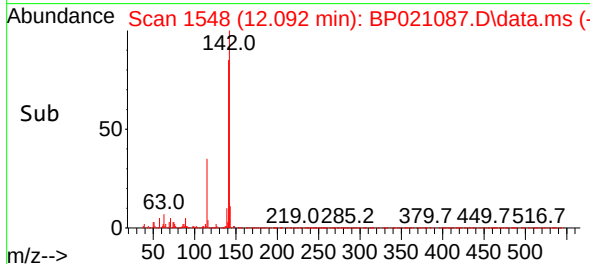
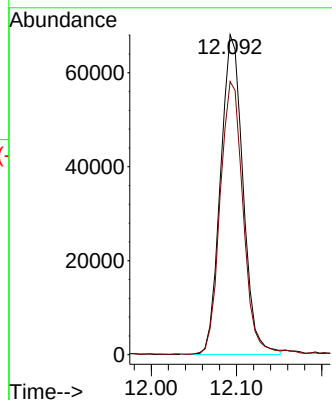
Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 12451
Ion Ratio Lower Upper
142 100
141 85.3 72.6 108.8

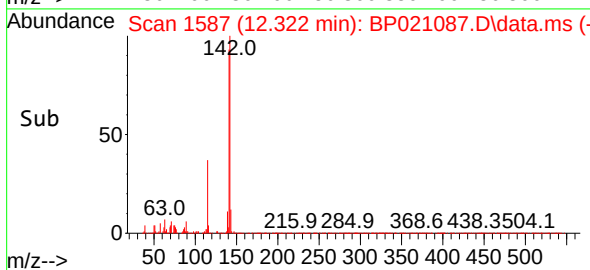
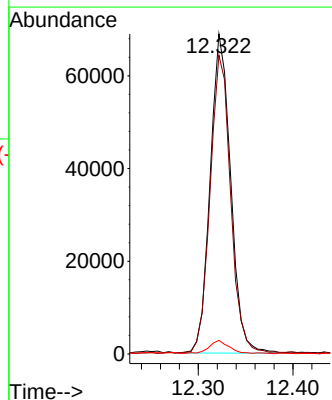
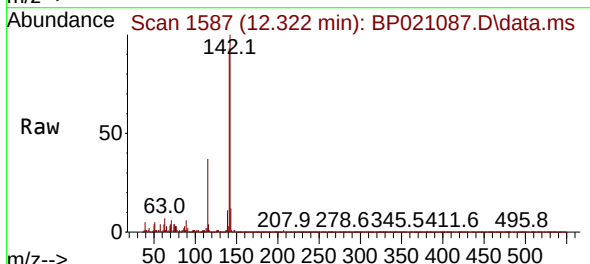
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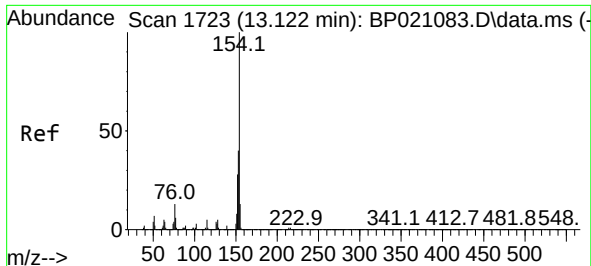
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#37
1-Methylnaphthalene
Concen: 4.288 ng/ul
RT: 12.322 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

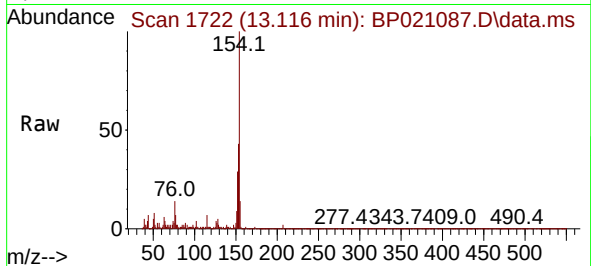
Tgt Ion:142 Resp: 103331
Ion Ratio Lower Upper
142 100
141 93.3 75.0 112.6
116 4.2 3.2 4.8





#43
1,1'-Biphenyl
Concen: 1.412 ng/ul
RT: 13.116 min Scan# 1722
Delta R.T. -0.018 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

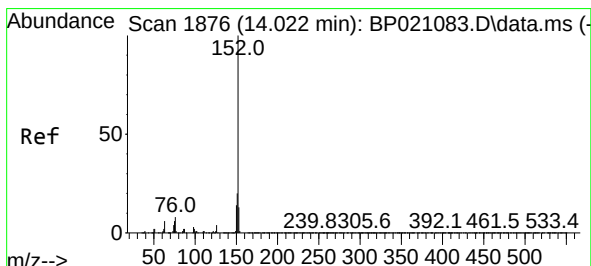
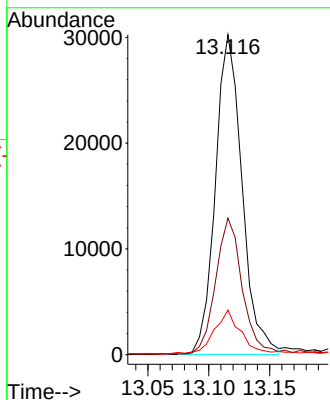
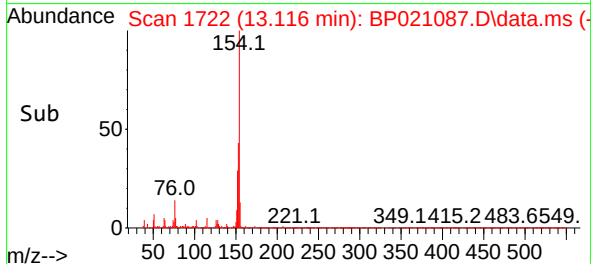
Instrument :
BNA_P
ClientSampleId :
A4BE6



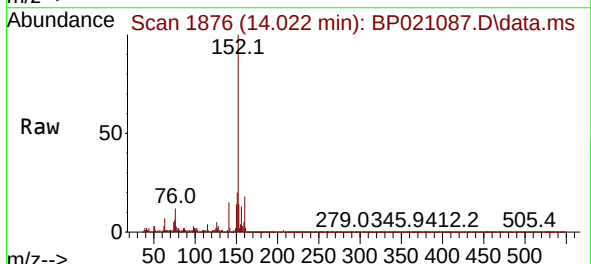
Tgt Ion:154 Resp: 4606
Ion Ratio Lower Upper
154 100
153 42.6 32.7 49.1
76 13.9 9.4 14.2

Manual Integrations
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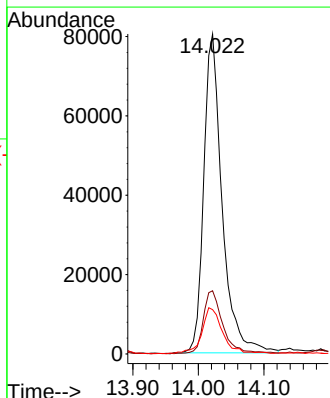
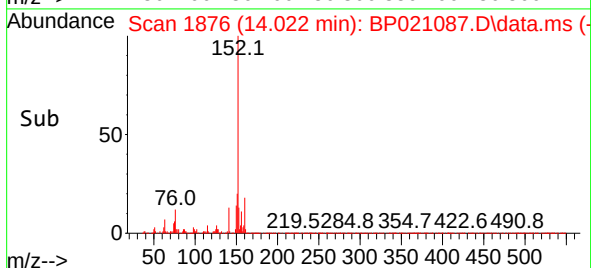
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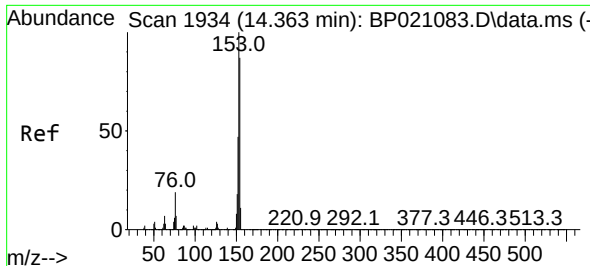


#50
Acenaphthylene
Concen: 3.804 ng/ul
RT: 14.022 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05



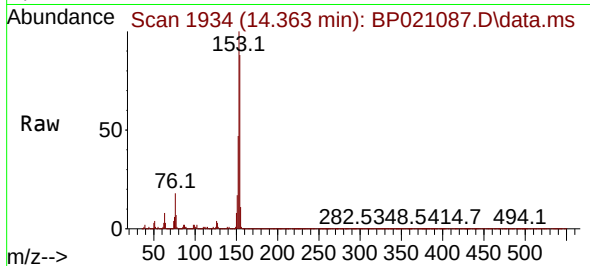
Tgt Ion:152 Resp: 156923
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.8 10.3 15.5





#52
Acenaphthene
Concen: 19.432 ng/ul
RT: 14.363 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

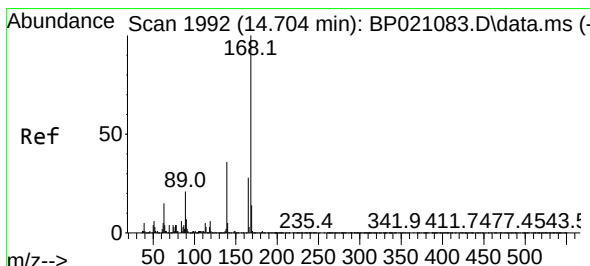
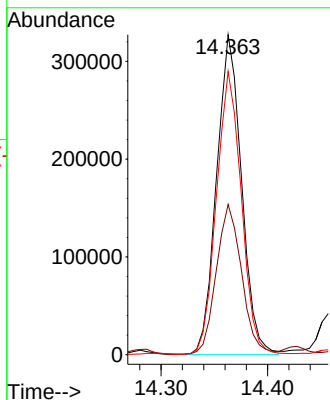
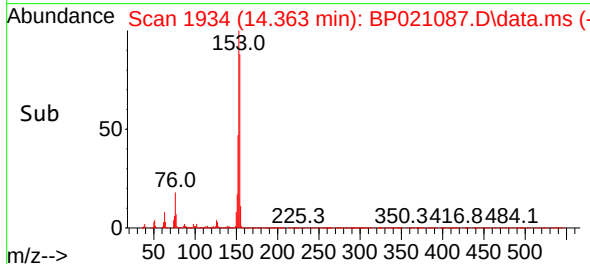
Instrument :
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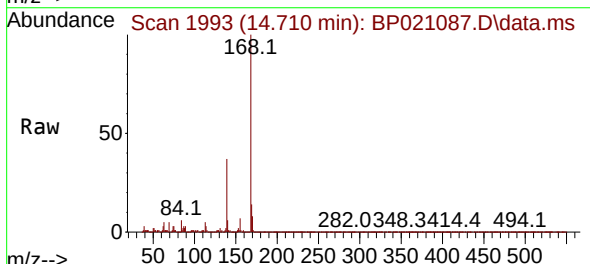
Tgt Ion:153 Resp: 532063
Ion Ratio Lower Upper
153 100
152 46.9 37.8 56.6
154 88.5 71.8 107.6

Manual Integrations
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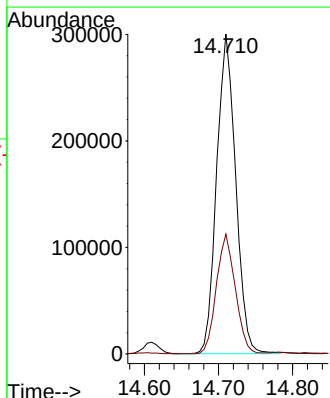
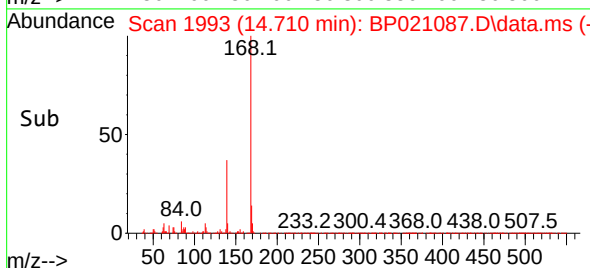
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

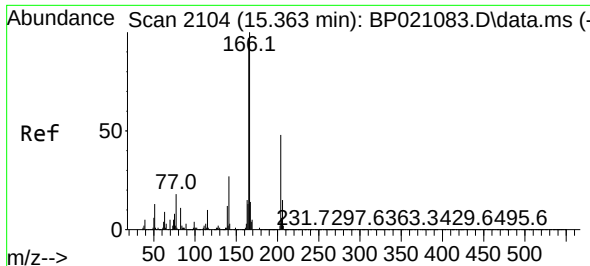


#56
Dibenzofuran
Concen: 14.274 ng/ul
RT: 14.710 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05



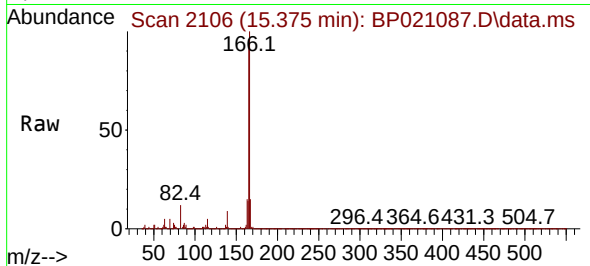
Tgt Ion:168 Resp: 535192
Ion Ratio Lower Upper
168 100
139 37.5 31.1 46.7





#61
Fluorene
Concen: 21.478 ng/ul
RT: 15.375 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

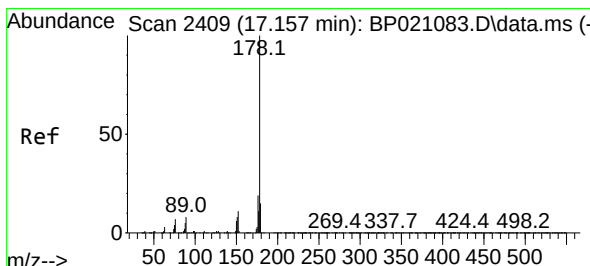
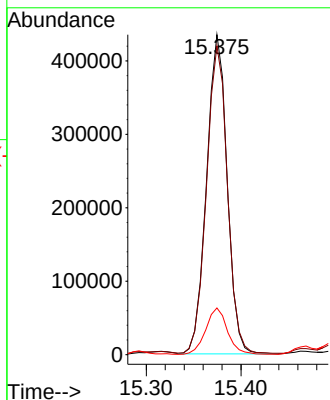
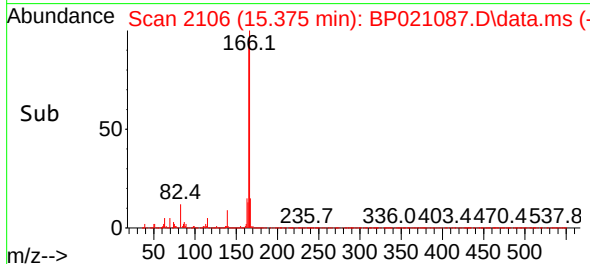
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Tgt Ion:166 Resp: 657164
Ion Ratio Lower Upper
166 100
165 96.5 78.1 117.1
167 14.6 10.9 16.3

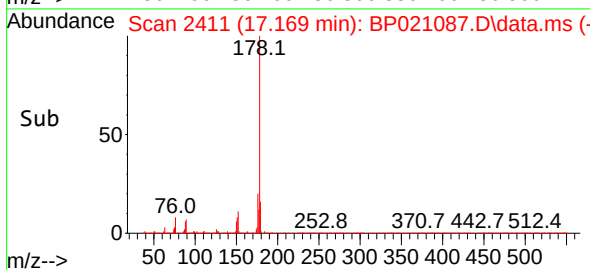
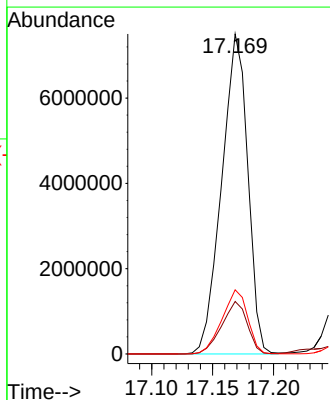
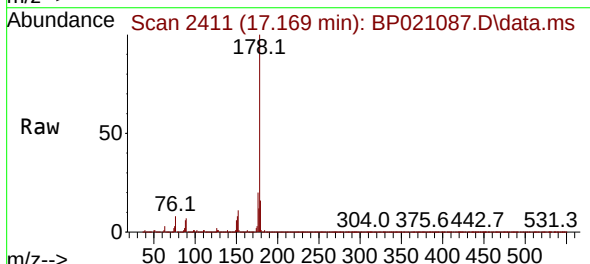
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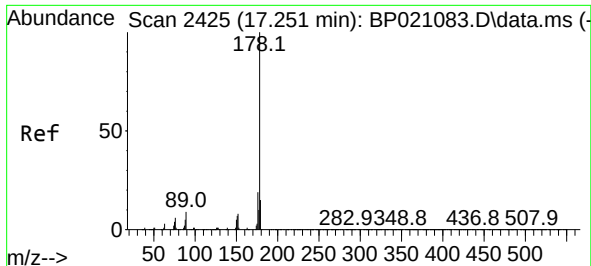
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#72
Phenanthrene
Concen: 208.329 ng/ul
RT: 17.169 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

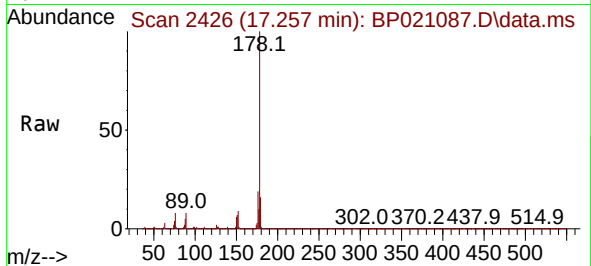
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Ion Ratio Lower Upper
178 100
179 16.4 12.2 18.4
176 20.1 15.0 22.4





#74
 Anthracene
 Concen: 50.779 ng/u1
 RT: 17.257 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BP021087.D
 Acq: 22 Jul 2024 14:05

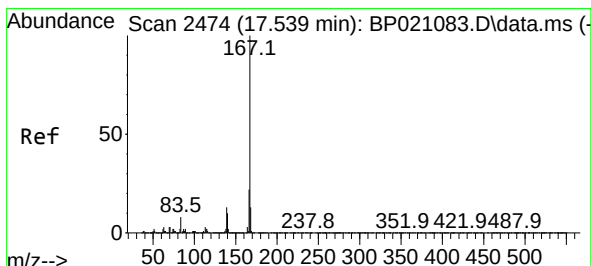
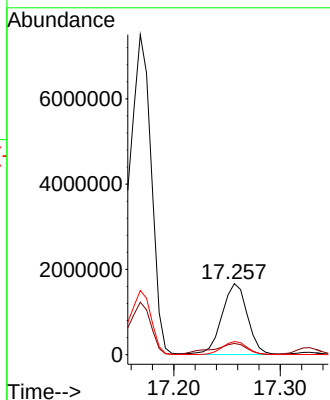
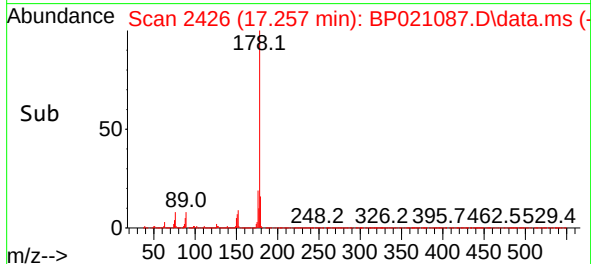
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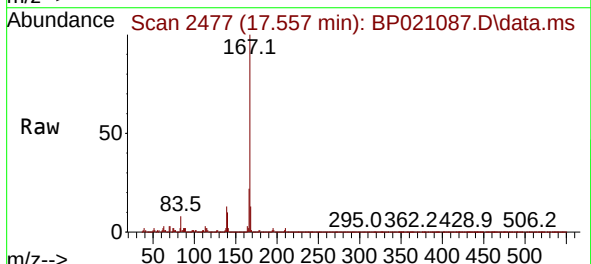
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 Ion Ratio Lower Upper
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 179 15.8 12.5 18.7
 176 18.5 14.8 22.2

Manual Integrations
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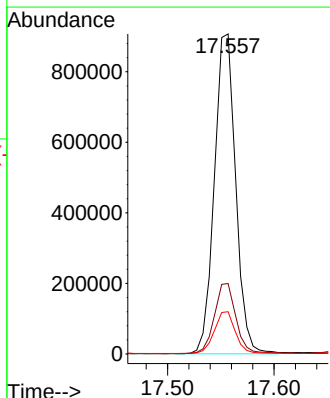
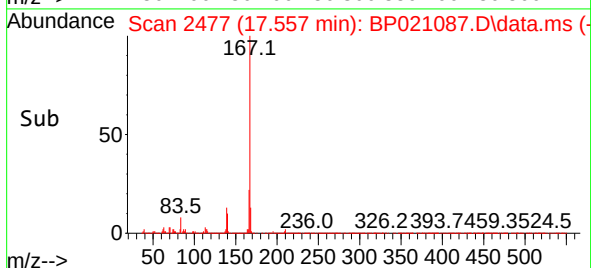
Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024

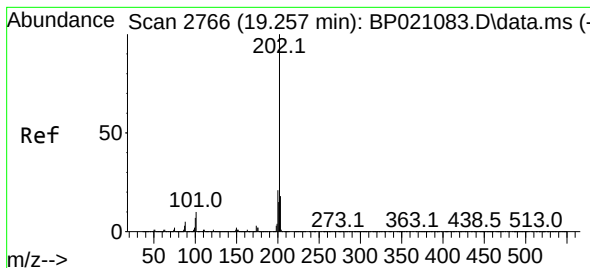


#77
 Carbazole
 Concen: 28.189 ng/u1
 RT: 17.557 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP021087.D
 Acq: 22 Jul 2024 14:05



Tgt Ion:167 Resp: 1257852
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 13.2 10.2 15.2





#80

Fluoranthene

Concen: 207.093 ng/u1

RT: 19.274 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP021087.D

Acq: 22 Jul 2024 14:05

Instrument :

BNA_P

ClientSampleId :

A4BE6

Tgt Ion:202 Resp:1505039

Ion Ratio Lower Upper

202 100

101 9.4 8.0 12.0

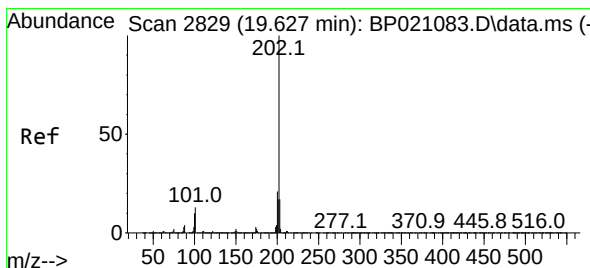
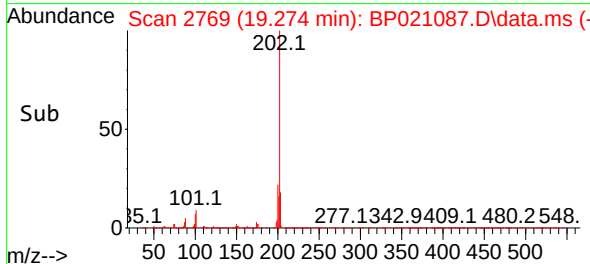
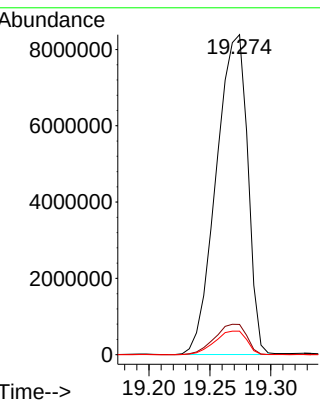
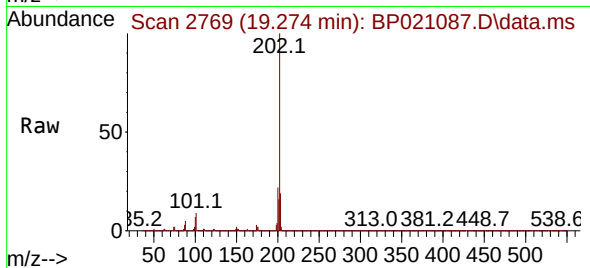
100 7.4 6.1 9.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#82

Pyrene

Concen: 143.740 ng/u1

RT: 19.651 min Scan# 2833

Delta R.T. 0.006 min

Lab File: BP021087.D

Acq: 22 Jul 2024 14:05

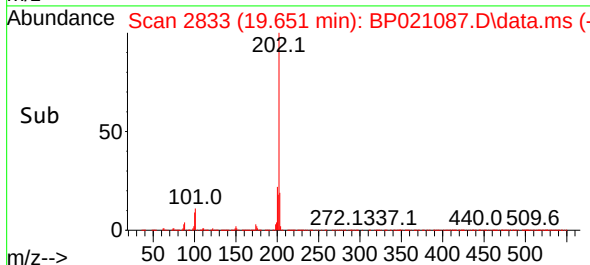
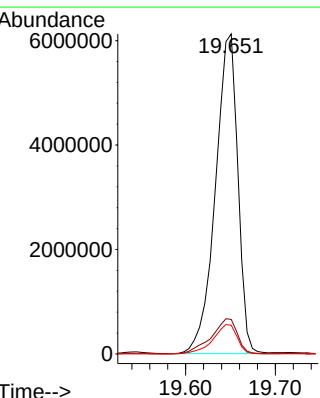
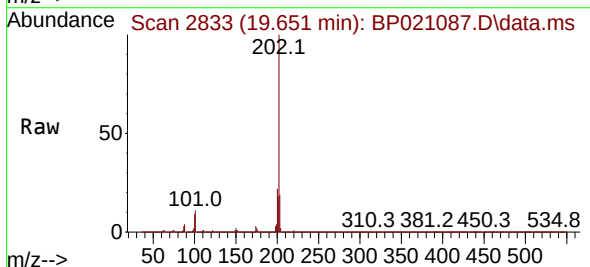
Tgt Ion:202 Resp:10630019

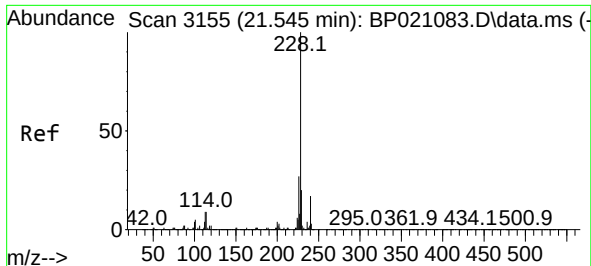
Ion Ratio Lower Upper

202 100

101 10.8 9.4 14.2

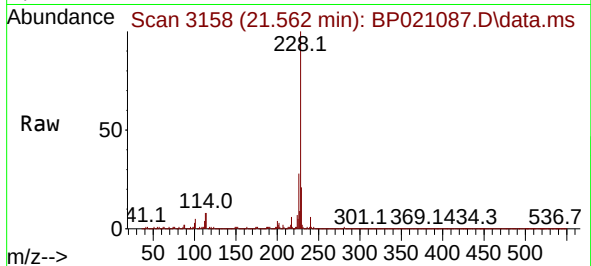
100 9.0 7.8 11.6





#85
Benzo(a)anthracene
Concen: 106.790 ng/ul
RT: 21.562 min Scan# 3158
Delta R.T. -0.000 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

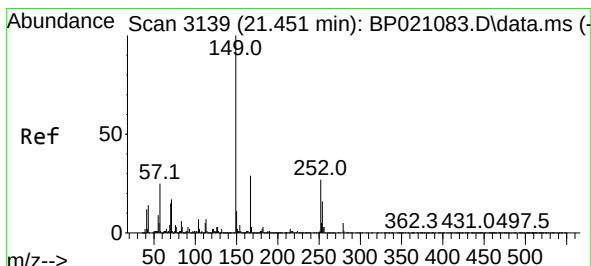
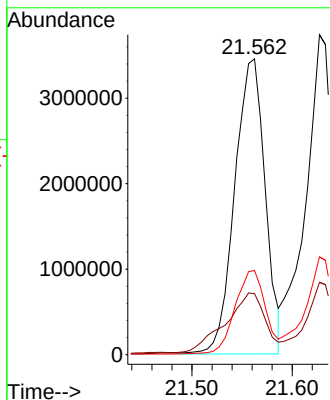
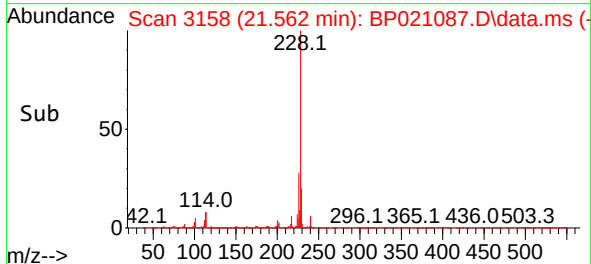
Instrument :
BNA_P
ClientSampleId :
A4BE6



Tgt Ion:228 Resp: 728160
Ion Ratio Lower Upper
228 100
229 20.6 15.5 23.3
226 28.5 21.4 32.2

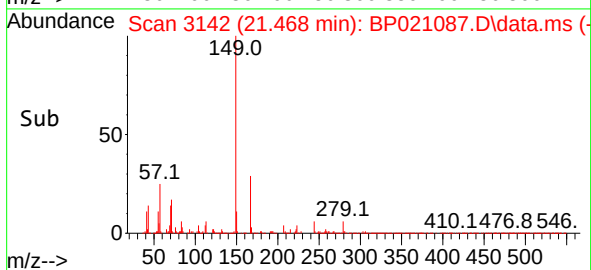
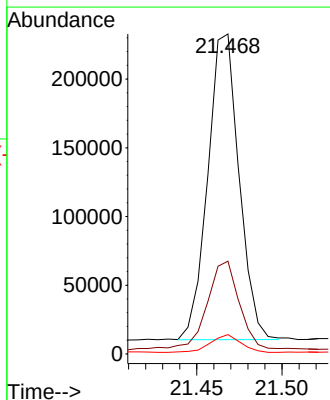
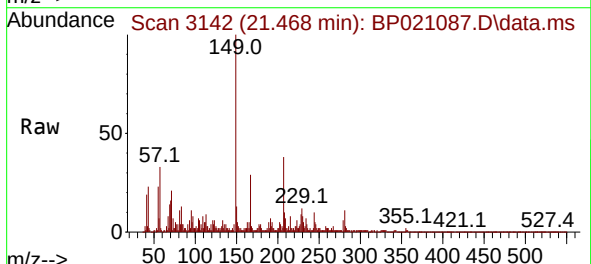
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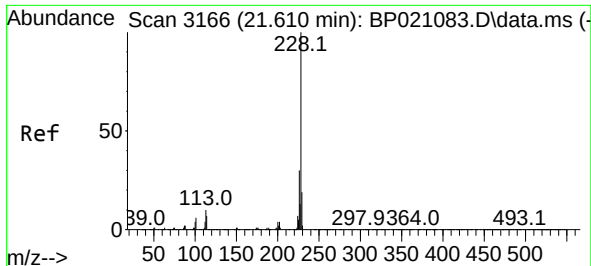
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 6.407 ng/ul
RT: 21.468 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

Tgt Ion:149 Resp: 284081
Ion Ratio Lower Upper
149 100
167 29.0 22.1 33.1
279 6.0 3.7 5.5#





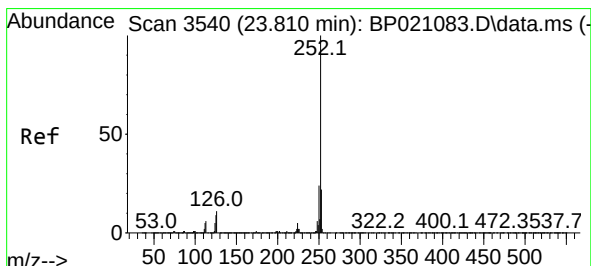
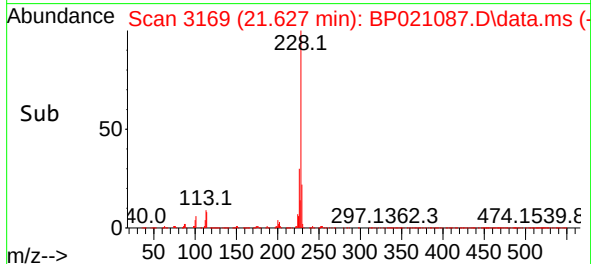
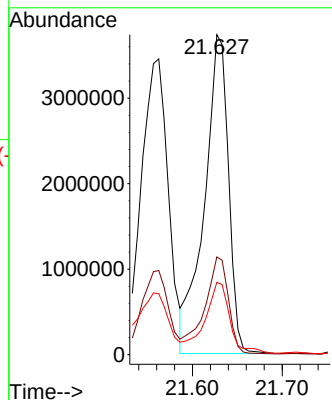
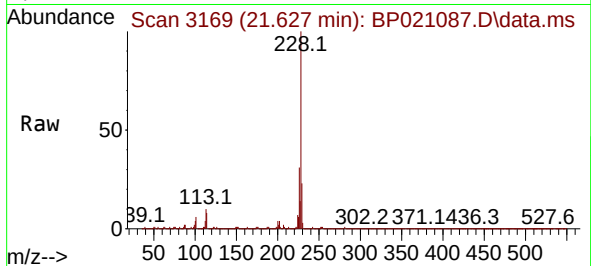
#87
Chrysene
Concen: 110.025 ng/ul
RT: 21.627 min Scan# 3169
Delta R.T. -0.000 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

Instrument :
BNA_P
ClientSampleId :
A4BE6

Tgt Ion:228 Resp: 6971110
Ion Ratio Lower Upper
228 100
226 30.6 23.6 35.4
229 22.6 15.5 23.3

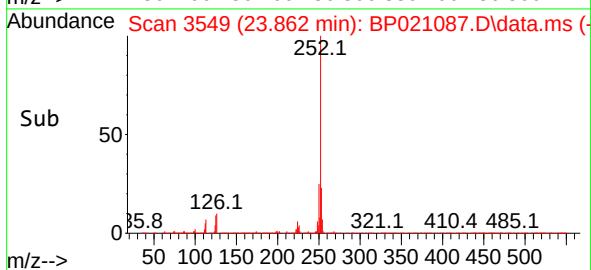
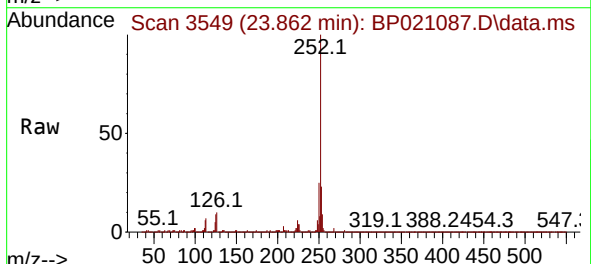
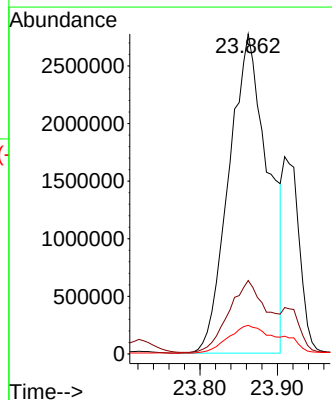
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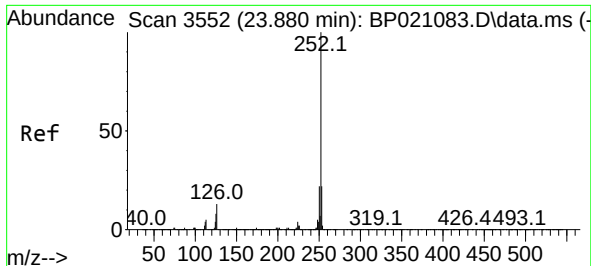
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#90
Benzo(b)fluoranthene
Concen: 127.678 ng/ul
RT: 23.862 min Scan# 3549
Delta R.T. 0.012 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

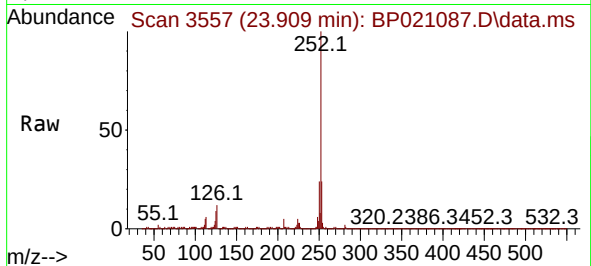
Tgt Ion:252 Resp: 9715452
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 8.9 7.0 10.4





#91
Benzo(k)fluoranthene
Concen: 32.676 ng/ul m
RT: 23.909 min Scan# 3552
Delta R.T. -0.012 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

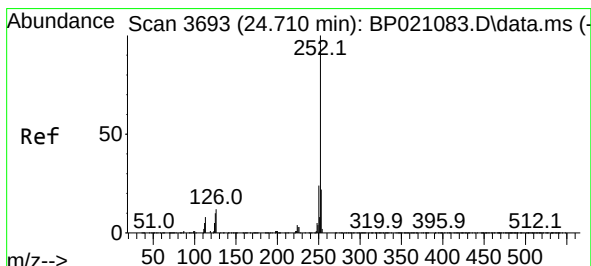
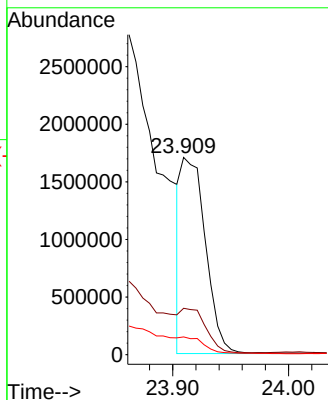
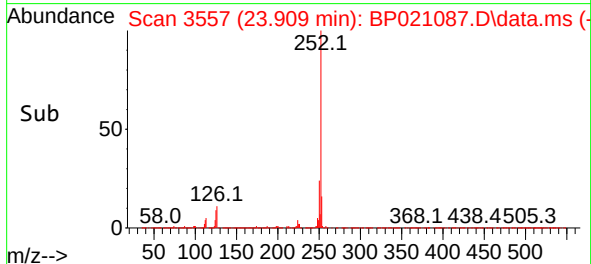
Instrument :
BNA_P
ClientSampleId :
A4BE6



Tgt Ion:252 Resp: 2481370
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 9.0 7.4 11.0

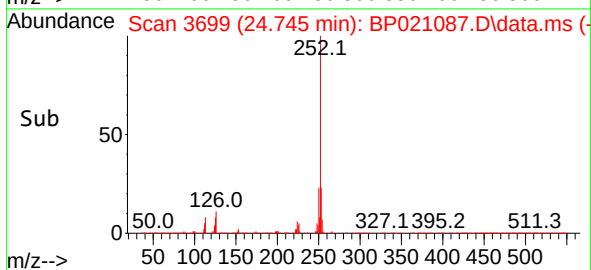
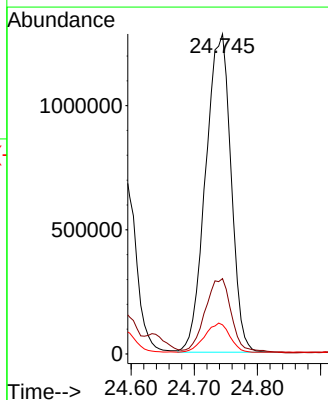
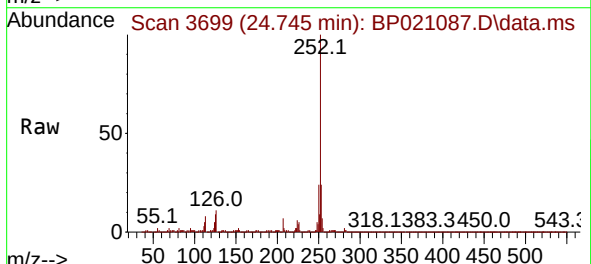
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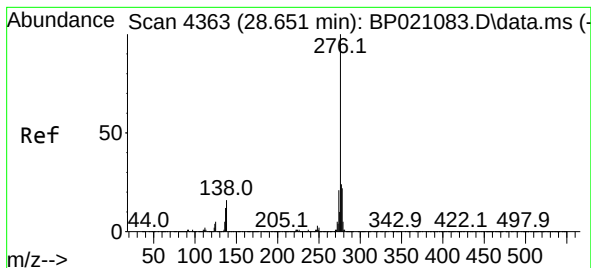
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#93
Benzo(a)pyrene
Concen: 49.727 ng/ul
RT: 24.745 min Scan# 3699
Delta R.T. -0.018 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

Tgt Ion:252 Resp: 3575713
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 9.1 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 34.426 ng/ul m

RT: 28.668 min Scan# 4363

Delta R.T. -0.035 min

Lab File: BP021087.D

Acq: 22 Jul 2024 14:05

Instrument :

BNA_P

ClientSampleId :

A4BE6

Tgt Ion:276 Resp: 318981

Ion Ratio Lower Upper

276 100

138 17.0 14.3 21.5

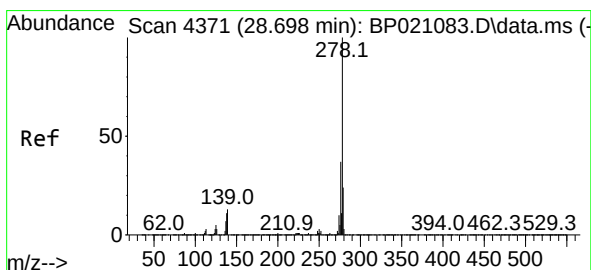
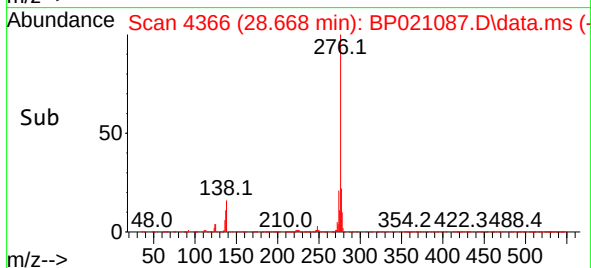
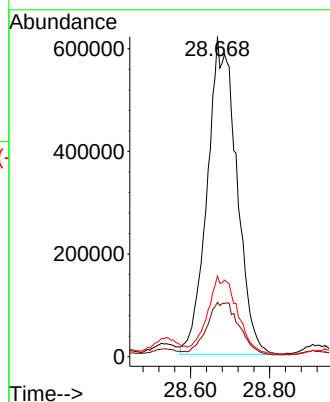
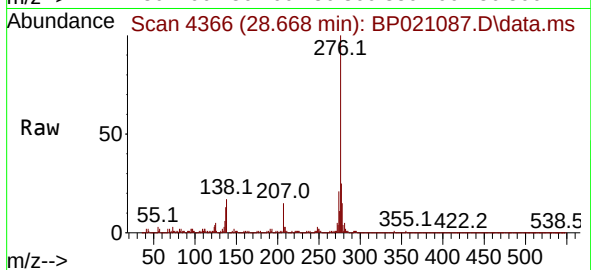
277 25.2 19.2 28.8

Manual Integrations

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Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 15.335 ng/ul m

RT: 28.733 min Scan# 4377

Delta R.T. -0.006 min

Lab File: BP021087.D

Acq: 22 Jul 2024 14:05

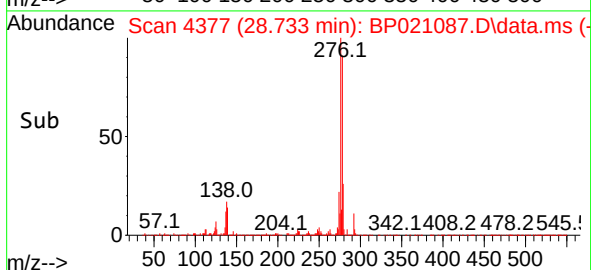
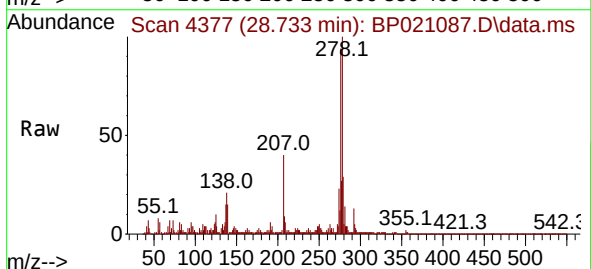
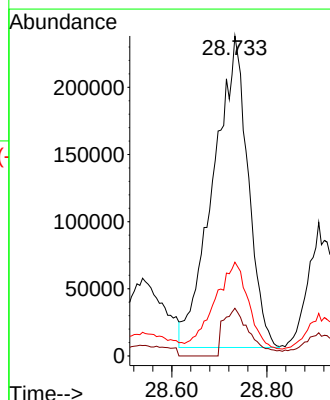
Tgt Ion:278 Resp: 1176621

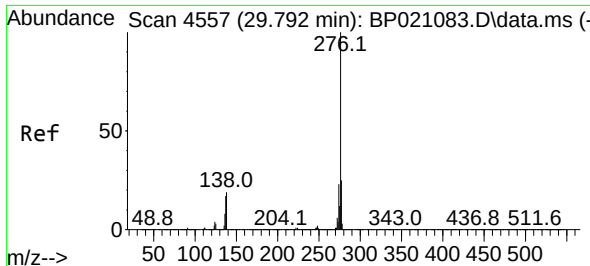
Ion Ratio Lower Upper

278 100

139 14.9 10.9 16.3

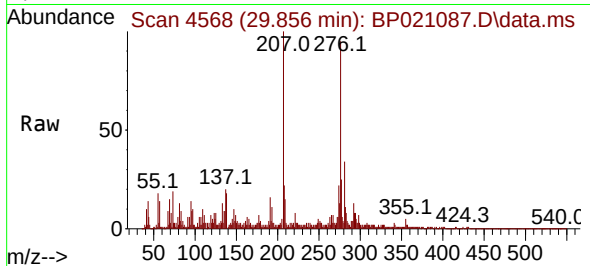
279 29.3 19.4 29.0#





#96
Benzo(g,h,i)perylene
Concen: 5.953 ng/ul m
RT: 29.856 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021087.D
Acq: 22 Jul 2024 14:05

Instrument :
BNA_P
ClientSampleId :
A4BE6



Tgt Ion:276 Resp: 44925
Ion Ratio Lower Upper
276 100
138 19.4 15.3 22.9
277 26.1 18.2 27.2

Manual Integrations
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

