

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072924\
 Data File : BP021268.D
 Acq On : 31 Jul 2024 20:03
 Operator : CG/JU
 Sample : P3347-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AY8

Quant Time: Aug 01 01:14:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/01/2024
 Supervised By :mohammad ahmed 09/04/2024

08/01/2024
 Supervised By :mohammad
 ahmed

08/03/2024
 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	179250	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.387	136	647066	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.263	164	387117	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.092	188	788930	20.000	ng/ul	0.00
79) Chrysene-d12	21.539	240	979831	20.000	ng/ul	# 0.00
88) Perylene-d12	24.833	264	1267647	20.000	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	13880	3.524	ng/uL	0.00
4) Pyridine-d5	3.599	84	82684	7.251	ng/ul	0.00
7) Phenol-d5	6.852	99	114779	7.854	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.981	67	143938	16.253	ng/ul	0.00
11) 2-Chlorophenol-d4	7.181	132	218898	18.180	ng/ul	0.00
15) 4-Methylphenol-d8	8.352	113	190578	15.702	ng/ul	-0.01
21) Nitrobenzene-d5	8.793	128	102052	20.305	ng/ul	0.00
24) 2-Nitrophenol-d4	9.499	143	117993	20.512	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	226175	21.744	ng/ul	0.00
31) 4-Chloroaniline-d4	10.546	131	312452	22.675	ng/ul	-0.01
46) Dimethylphthalate-d6	13.681	166	636186	22.607	ng/ul	0.00
49) Acenaphthylene-d8	13.957	160	693437	21.945	ng/ul	0.00
54) 4-Nitrophenol-d4	14.610	143	24737m	6.178	ng/ul	0.02
60) Fluorene-d10	15.275	176	540671	23.419	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.457	200	97191	20.361	ng/ul	0.00
73) Anthracene-d10	17.192	188	859468	24.528	ng/ul	0.00
81) Pyrene-d10	19.586	212	1133688	18.715	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.610	264	1559191	24.939	ng/ul	0.01

Target Compounds						Qvalue
8) Phenol	6.881	94	19531	1.321	ng/ul#	55
13) 2-Methylphenol	8.099	108	66380	5.804	ng/ul	100
18) 4-Methylphenol	8.440	108	22268	1.817	ng/ul	93
26) 2,4-Dimethylphenol	9.599	107	172460m	14.578	ng/ul	
30) Naphthalene	10.451	128	16112469	473.393	ng/ul	98
36) 2-Methylnaphthalene	12.051	142	1080957	46.267	ng/ul	99
37) 1-Methylnaphthalene	12.275	142	1215822	50.598	ng/ul	99
43) 1,1'-Biphenyl	13.075	154	322783	11.409	ng/ul	100
50) Acenaphthylene	13.987	152	100529	2.810	ng/ul#	72
52) Acenaphthene	14.334	153	5119415	215.591	ng/ul	99
56) Dibenzofuran	14.675	168	1958139	60.218	ng/ul	96
61) Fluorene	15.339	166	1569414	59.144	ng/ul	99
72) Phenanthrene	17.139	178	5072149	123.933	ng/ul	99
74) Anthracene	17.228	178	829667	19.885	ng/ul	99
77) Carbazole	17.522	167	1148849	33.683	ng/ul	100
80) Fluoranthene	19.245	202	2751659	37.614	ng/ul	97
82) Pyrene	19.616	202	1907534	25.624	ng/ul	97
85) Benzo(a)anthracene	21.521	228	661490	9.637	ng/ul	98
87) Chrysene	21.586	228	524437	8.223	ng/ul	97
90) Benzo(b)fluoranthene	23.792	252	581117	7.554	ng/ul	99
91) Benzo(k)fluoranthene	23.851	252	186784	2.433	ng/ul	98
93) Benzo(a)pyrene	24.680	252	367061	5.049	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.627	276	168857m	1.803	ng/ul	
96) Benzo(g,h,i)perylene	29.797	276	139948m	1.834	ng/ul	

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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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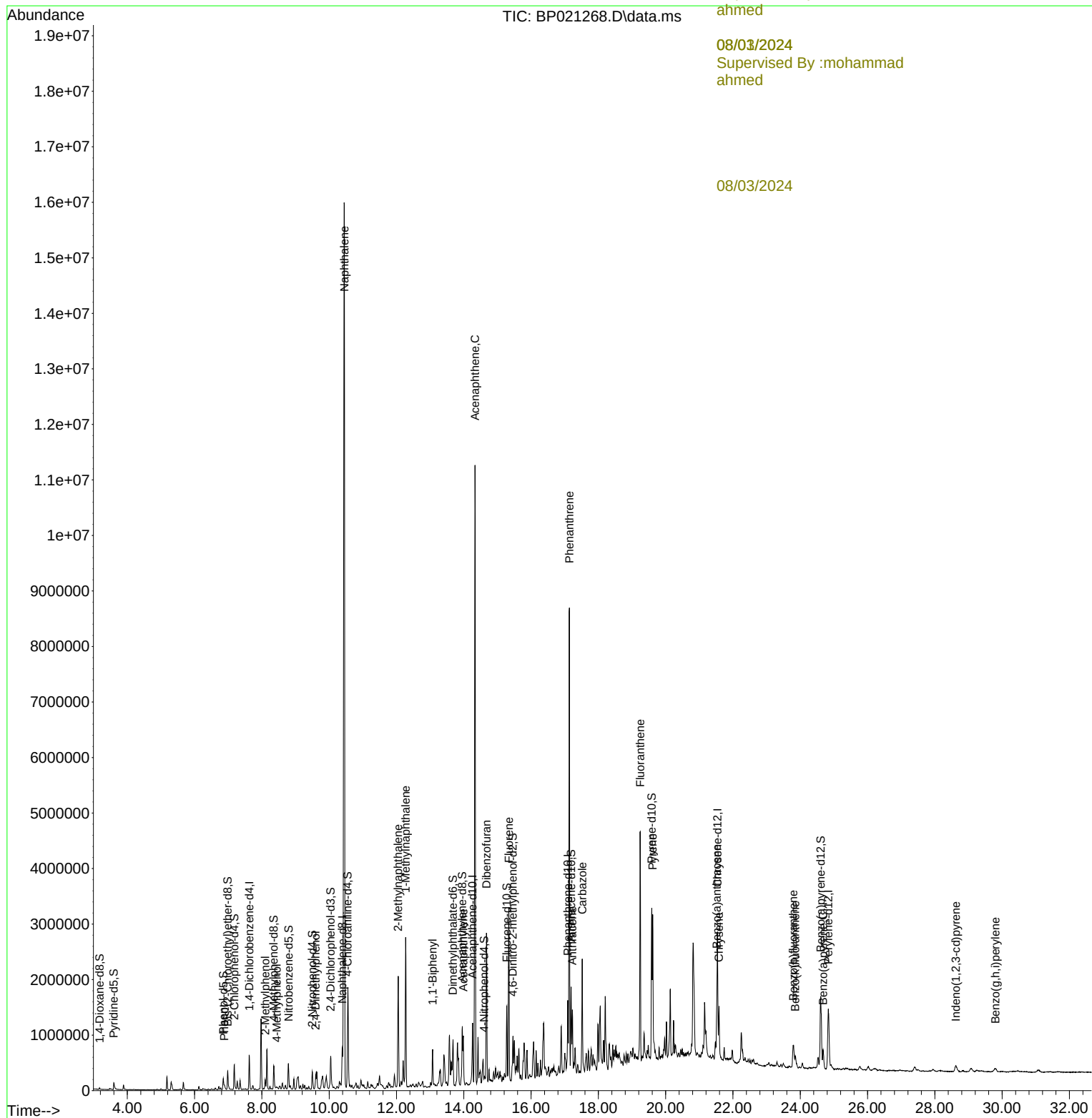
Manual Integrations
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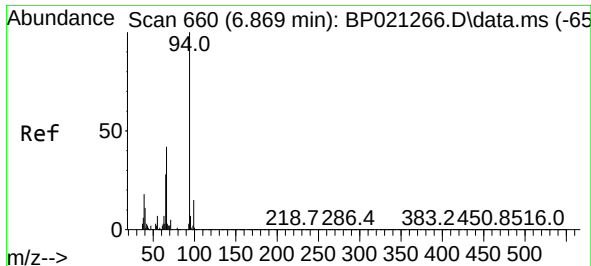
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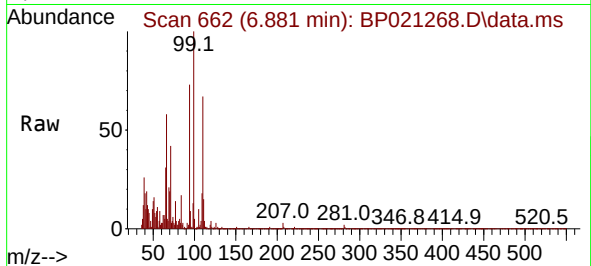
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#8
Phenol
Concen: 1.321 ng/ul
RT: 6.881 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

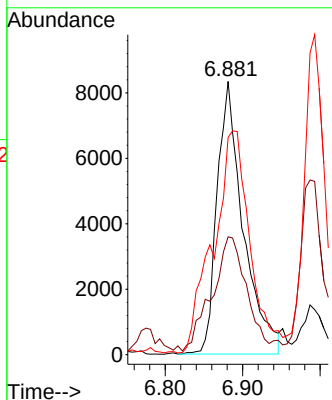
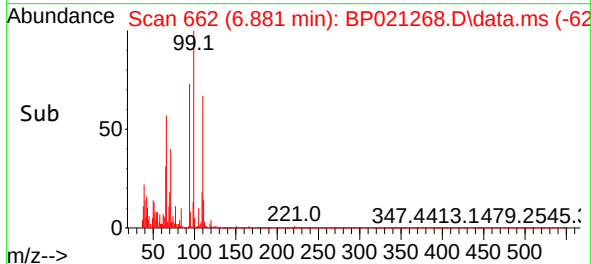
Instrument :
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Tgt Ion: 94 Resp: 1953
Ion Ratio Lower Upper
94 100
65 43.1 23.4 35.0
66 79.5 33.9 50.9

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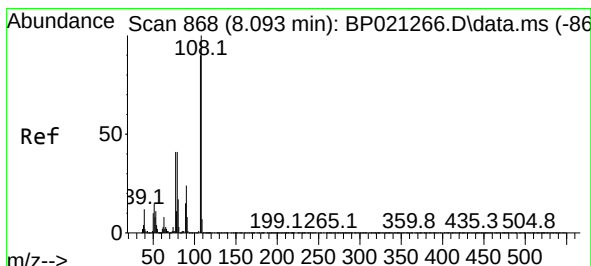
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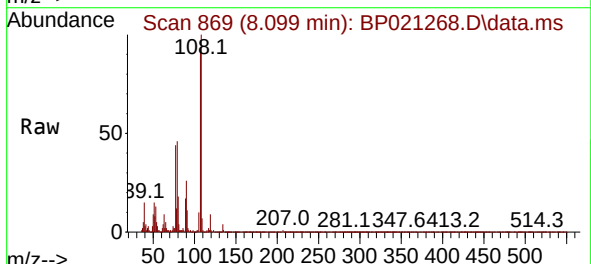
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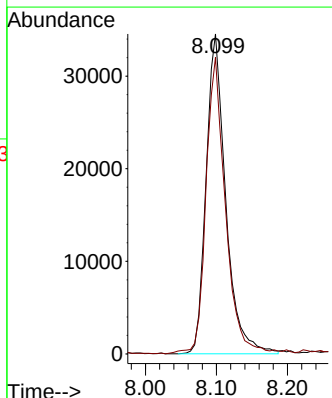
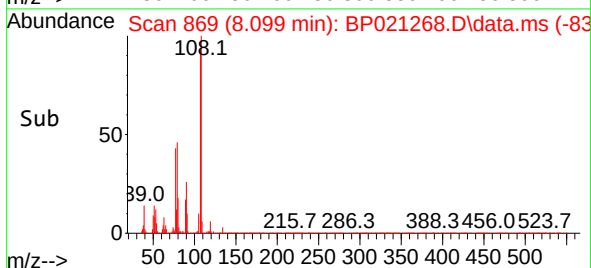
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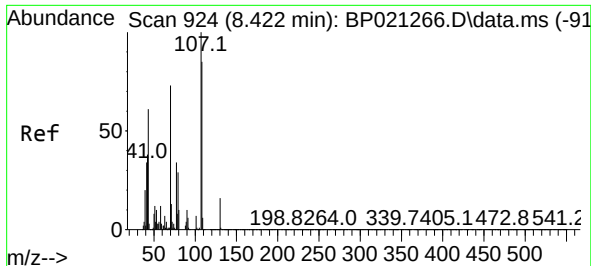


#13
2-Methylphenol
Concen: 5.804 ng/ul
RT: 8.099 min Scan# 869
Delta R.T. 0.000 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03



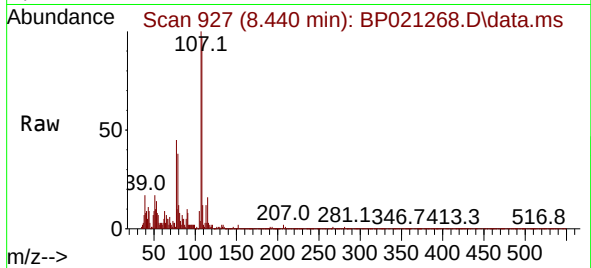
Tgt Ion:108 Resp: 66380
Ion Ratio Lower Upper
108 100
107 92.7 73.8 110.8





#18
4-Methylphenol
Concen: 1.817 ng/ul
RT: 8.440 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

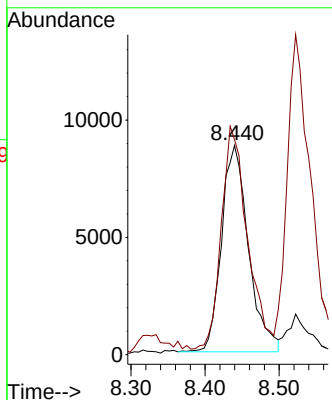
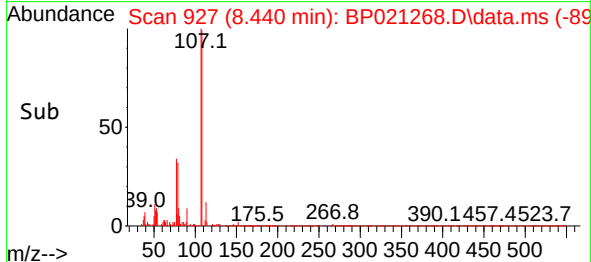
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BNA_P
ClientSampleId :
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Tgt Ion:108 Resp: 2226
Ion Ratio Lower Upper
108 100
107 102.8 87.8 131.8

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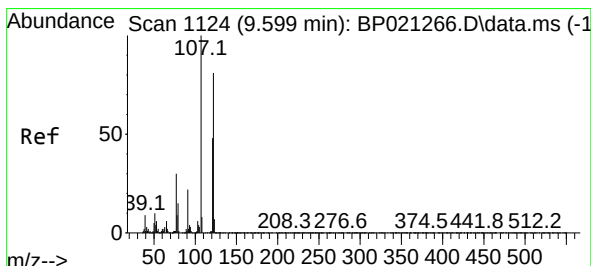
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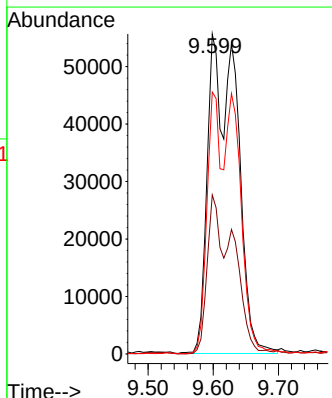
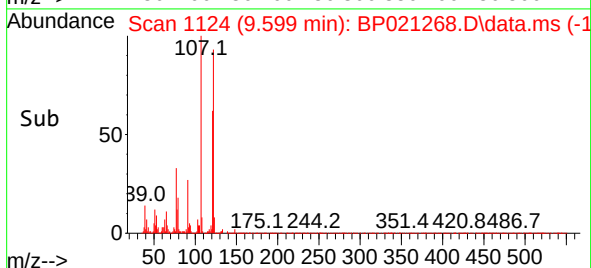
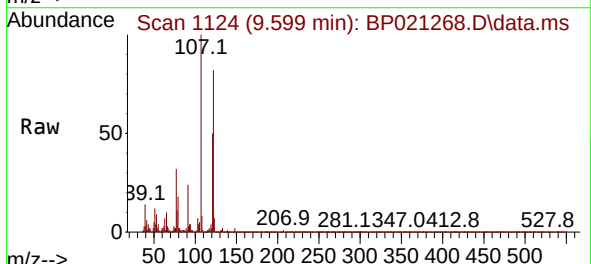
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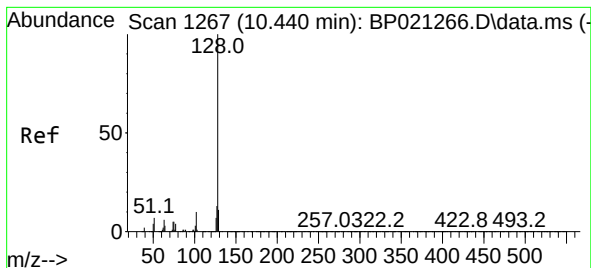
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#26
2,4-Dimethylphenol
Concen: 14.578 ng/ul m
RT: 9.599 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

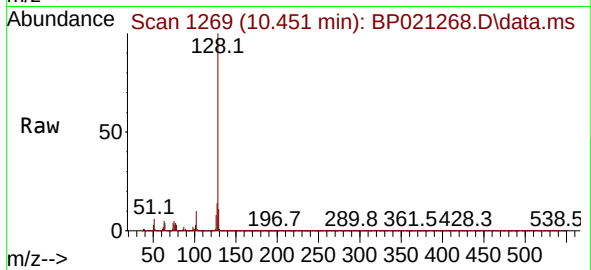
Tgt Ion:107 Resp: 172460
Ion Ratio Lower Upper
107 100
121 49.7 39.6 59.4
122 81.8 66.3 99.5





#30
Naphthalene
Concen: 473.393 ng/ul
RT: 10.451 min Scan# 1269
Delta R.T. 0.012 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

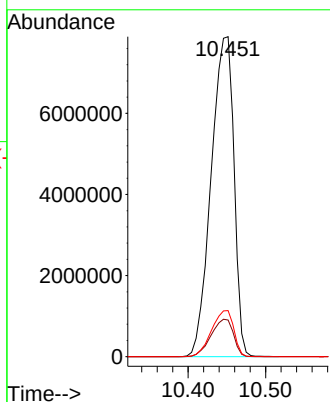
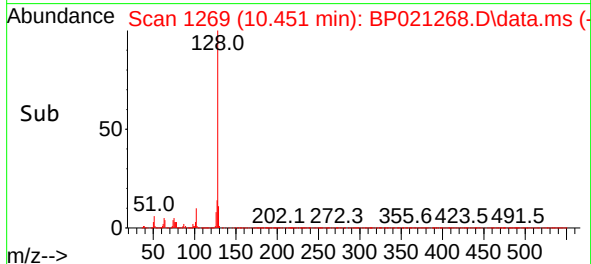
Instrument :
BNA_P
ClientSampleId :
C0AY8



Tgt Ion:128 Resp:16112469
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 14.4 10.8 16.2

Manual Integrations
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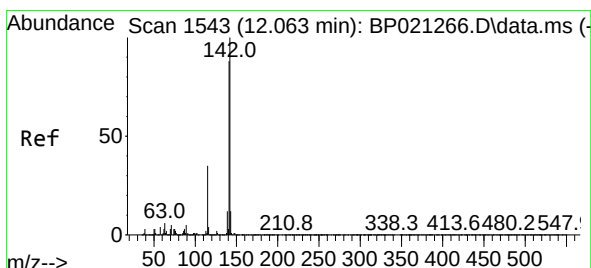
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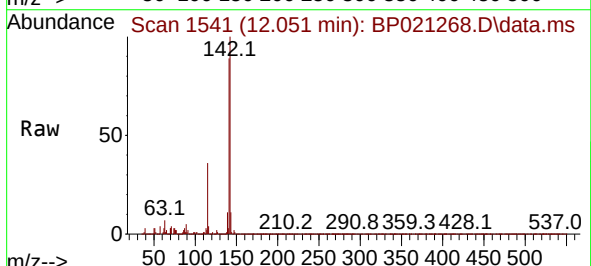
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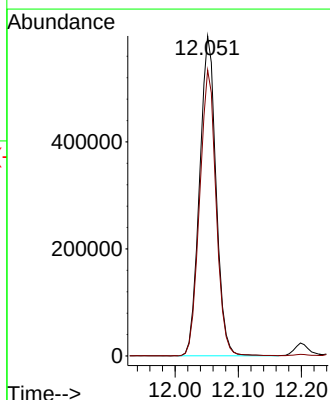
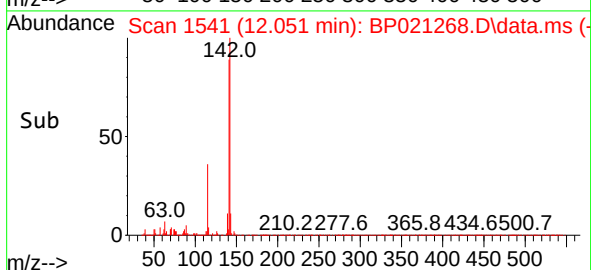
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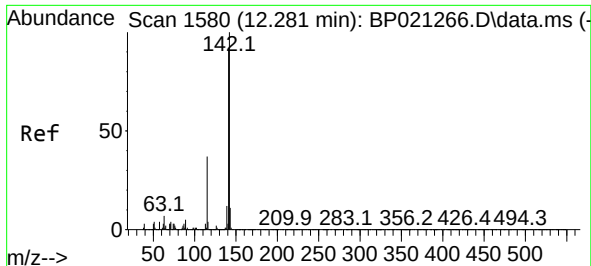


#36
2-Methylnaphthalene
Concen: 46.267 ng/ul
RT: 12.051 min Scan# 1541
Delta R.T. -0.017 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03



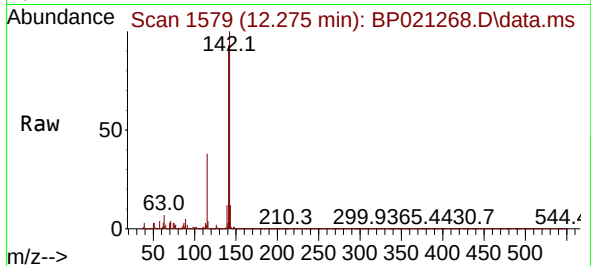
Tgt Ion:142 Resp: 1080957
Ion Ratio Lower Upper
142 100
141 89.4 72.6 108.8





#37
1-Methylnaphthalene
Concen: 50.598 ng/ul
RT: 12.275 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

Instrument :
BNA_P
ClientSampleId :
C0AY8



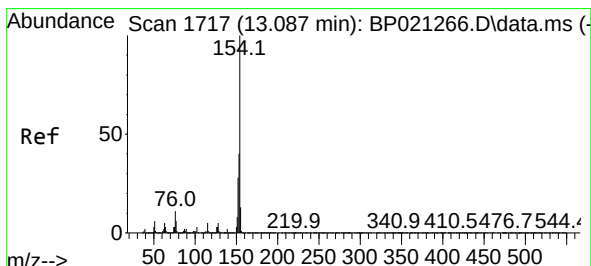
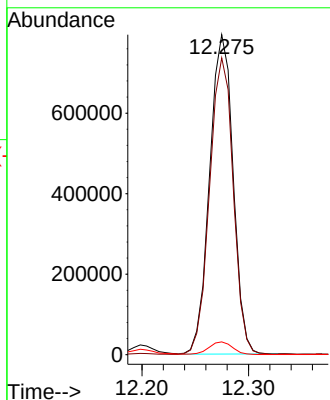
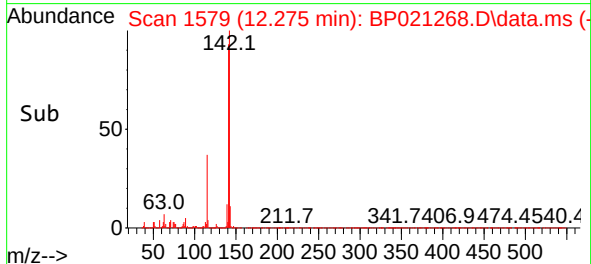
Tgt Ion:142 Resp: 121582
Ion Ratio Lower Upper
142 100
141 92.7 75.0 112.6
116 4.0 3.2 4.8

Manual Integrations
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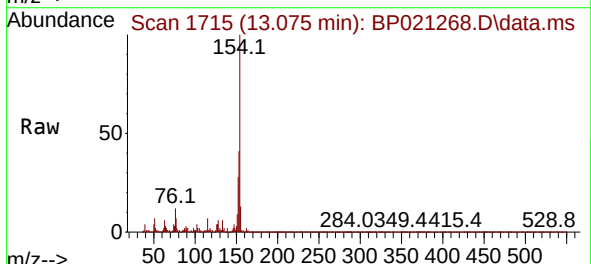
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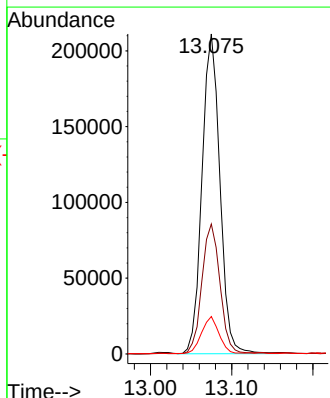
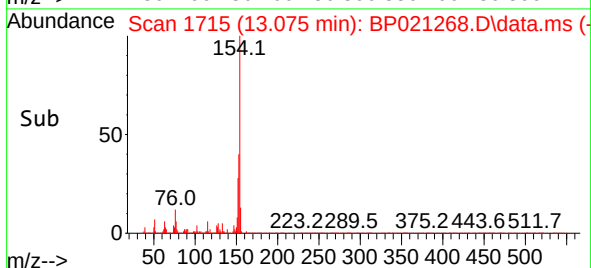
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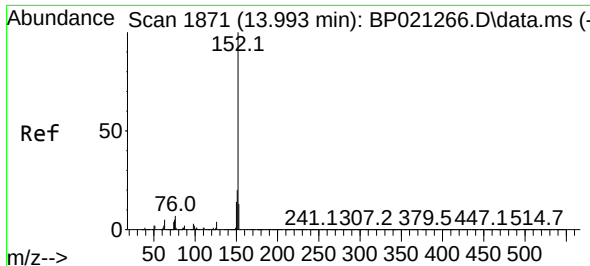


#43
1,1'-Biphenyl
Concen: 11.409 ng/ul
RT: 13.075 min Scan# 1715
Delta R.T. -0.011 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03



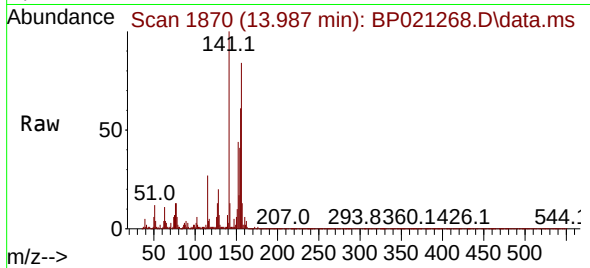
Tgt Ion:154 Resp: 322783
Ion Ratio Lower Upper
154 100
153 40.6 32.7 49.1
76 11.7 9.4 14.2





#50
Acenaphthylene
Concen: 2.810 ng/ul
RT: 13.987 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

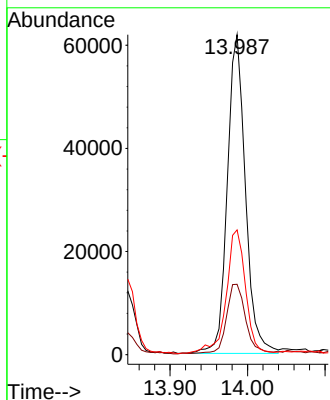
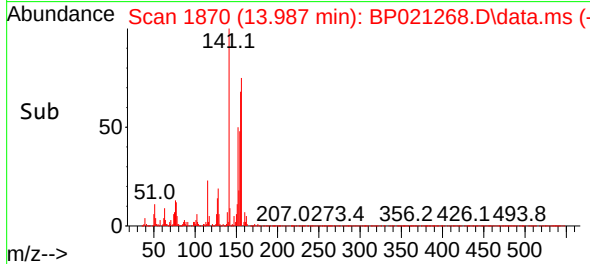
Instrument :
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ClientSampleId :
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Tgt Ion:152 Resp: 100529
Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.2
153 39.0 10.3 15.5

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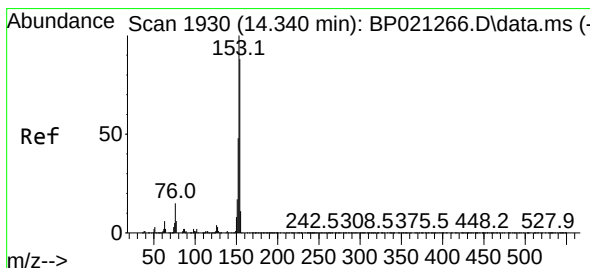
Reviewed By :Yogesh Patel 08/01/2024
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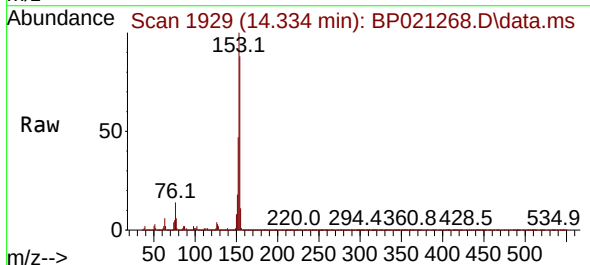
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ahmed

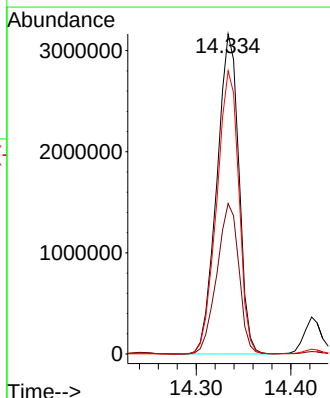
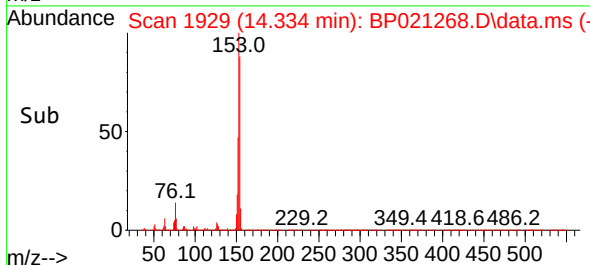
08/03/2024

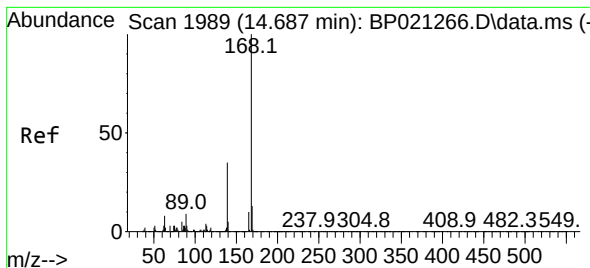


#52
Acenaphthene
Concen: 215.591 ng/ul
RT: 14.334 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03



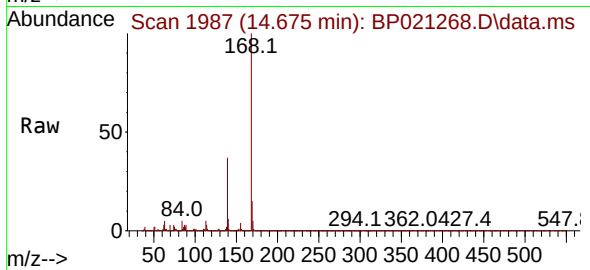
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Ion Ratio Lower Upper
153 100
152 47.0 37.8 56.6
154 88.5 71.8 107.6





#56
Dibenzenofuran
Concen: 60.218 ng/ul
RT: 14.675 min Scan# 1989
Delta R.T. -0.011 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

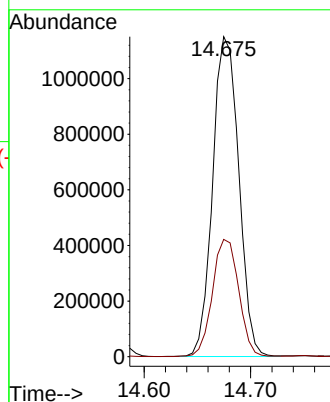
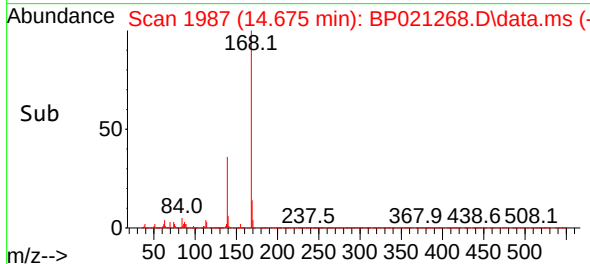
Instrument :
BNA_P
ClientSampleId :
C0AY8



Tgt Ion:168 Resp: 1958139
Ion Ratio Lower Upper
168 100
139 36.7 31.1 46.7

Manual Integrations
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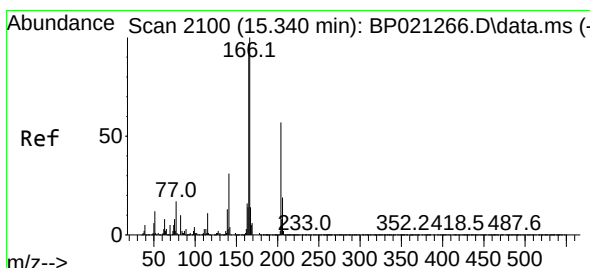
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Supervised By :mohammad
ahmed

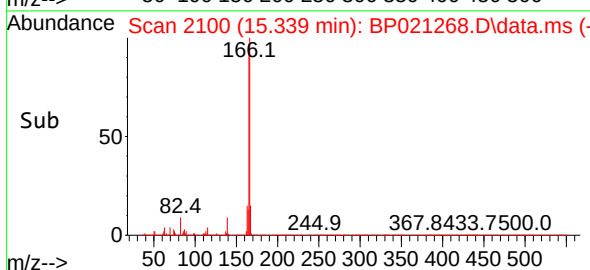
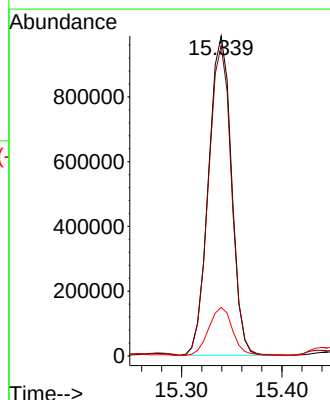
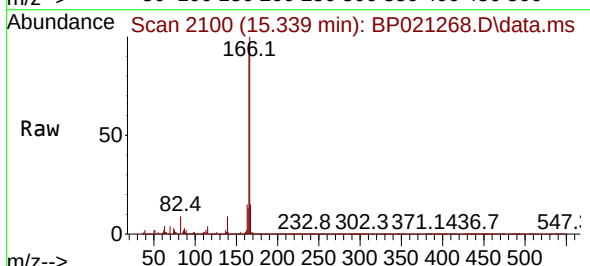
08/03/2024
Supervised By :mohammad
ahmed

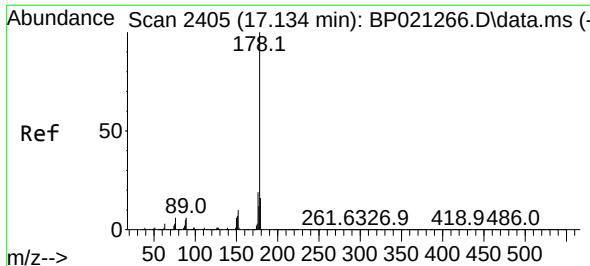
08/03/2024



#61
Fluorene
Concen: 59.144 ng/ul
RT: 15.339 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

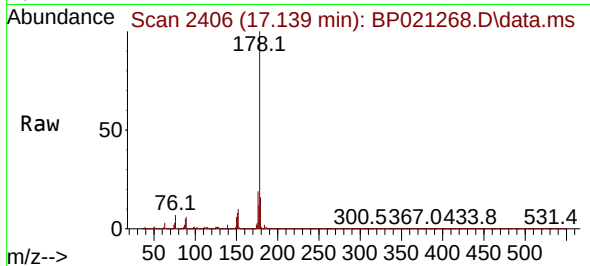
Tgt Ion:166 Resp: 1569414
Ion Ratio Lower Upper
166 100
165 97.0 78.1 117.1
167 15.2 10.9 16.3





#72
Phenanthrene
Concen: 123.933 ng/ul
RT: 17.139 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

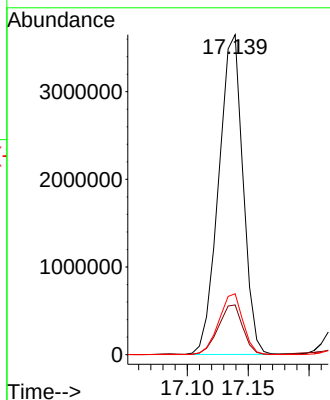
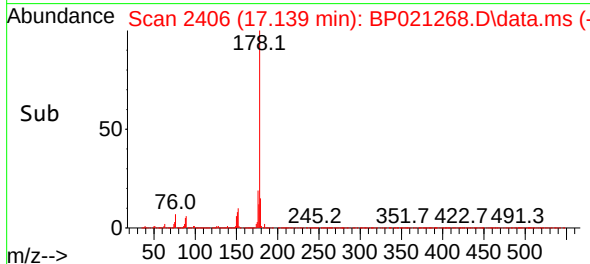
Instrument :
BNA_P
ClientSampleId :
C0AY8



Tgt Ion:178 Resp: 5072149
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.4
176 19.1 15.0 22.4

Manual Integrations
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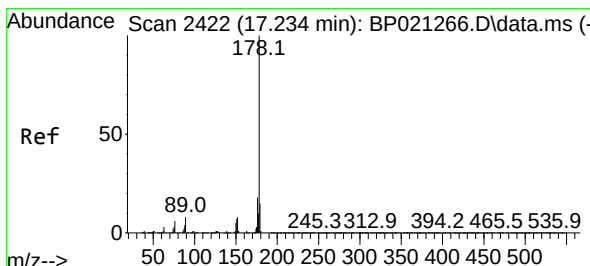
Reviewed By :Yogesh Patel 08/01/2024
Supervised By :mohammad ahmed 09/04/2024



08/01/2024
Supervised By :mohammad
ahmed

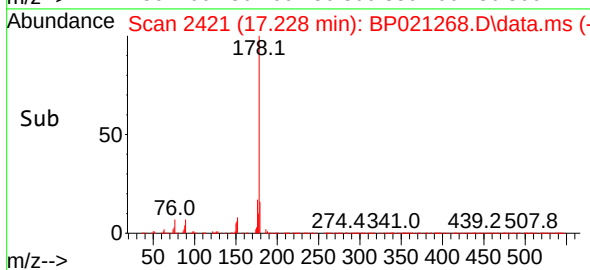
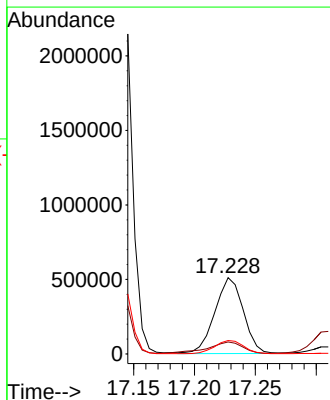
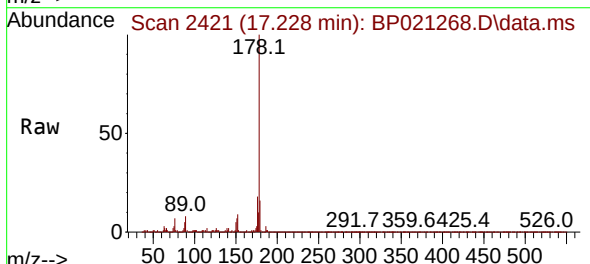
08/03/2024
Supervised By :mohammad
ahmed

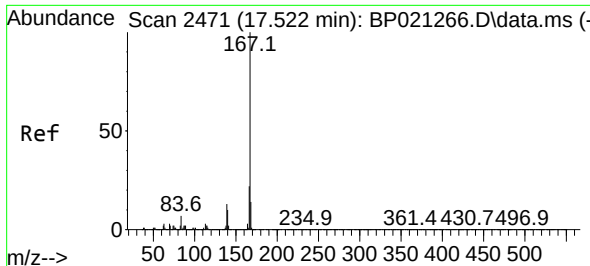
08/03/2024



#74
Anthracene
Concen: 19.885 ng/ul
RT: 17.228 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP021268.D
Acq: 31 Jul 2024 20:03

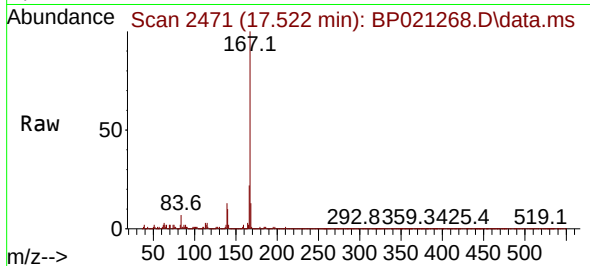
Tgt Ion:178 Resp: 829667
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 17.6 14.8 22.2





#77
 Carbazole
 Concen: 33.683 ng/ul
 RT: 17.522 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BP021268.D
 Acq: 31 Jul 2024 20:03

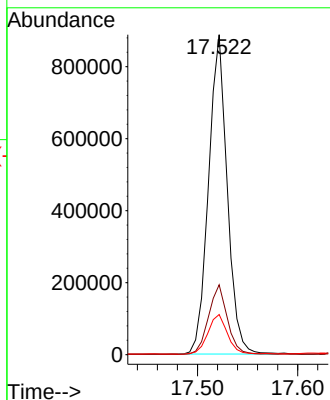
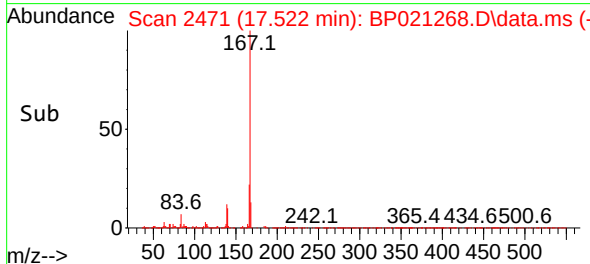
Instrument :
 BNA_P
 ClientSampleId :
 C0AY8



Tgt Ion:167 Resp: 1148849
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 12.6 10.2 15.2

Manual Integrations
 APPROVED

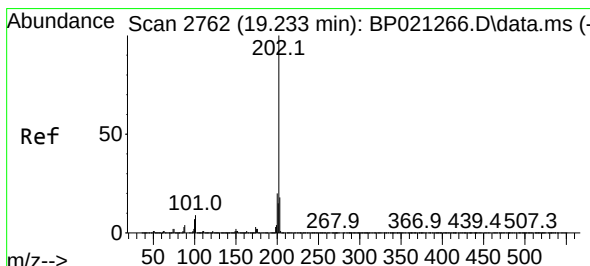
Reviewed By :Yogesh Patel 08/01/2024
 Supervised By :mohammad ahmed 09/04/2024



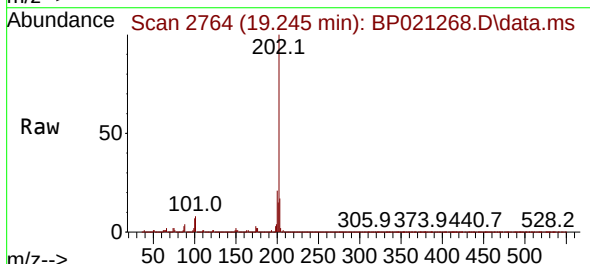
08/01/2024
 Supervised By :mohammad
 ahmed

08/03/2024
 Supervised By :mohammad
 ahmed

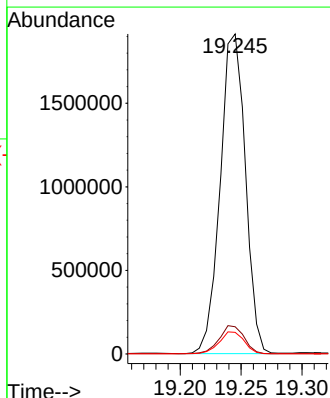
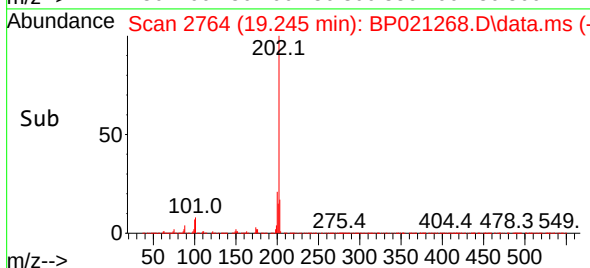
08/03/2024

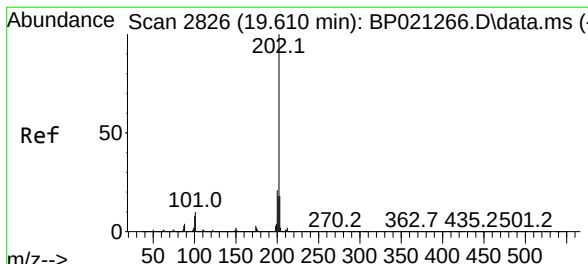


#80
 Fluoranthene
 Concen: 37.614 ng/ul
 RT: 19.245 min Scan# 2764
 Delta R.T. 0.012 min
 Lab File: BP021268.D
 Acq: 31 Jul 2024 20:03



Tgt Ion:202 Resp: 2751659
 Ion Ratio Lower Upper
 202 100
 101 8.5 8.0 12.0
 100 6.7 6.1 9.1





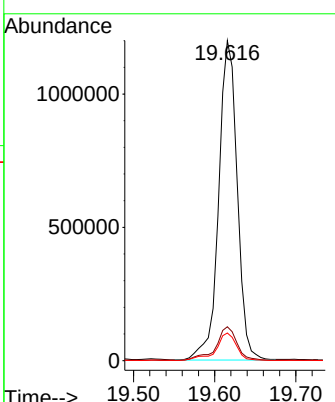
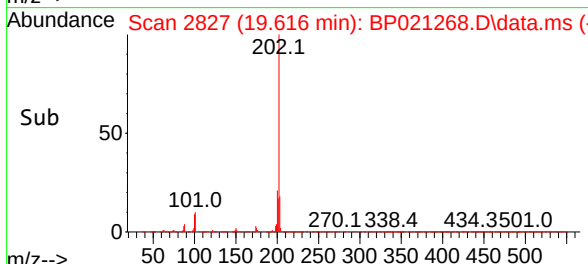
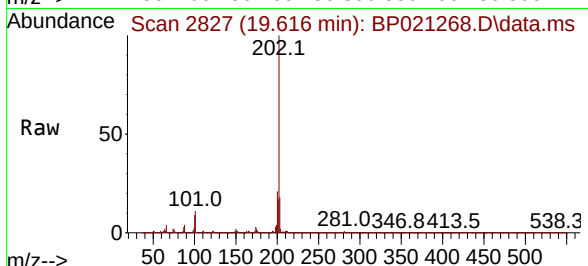
#82
 Pyrene
 Concen: 25.624 ng/ul
 RT: 19.616 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP021268.D
 Acq: 31 Jul 2024 20:03

Instrument : BNA_P
 Client Sample Id : C0AY8

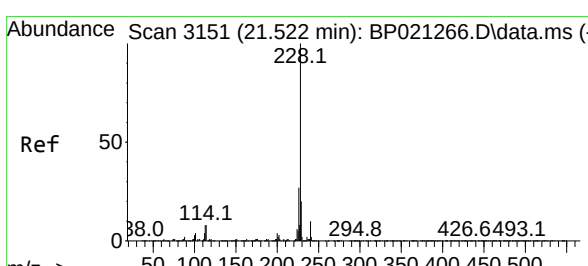
Tgt Ion: 202 Resp: 1907534

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.4	14.2
100	8.7	7.8	11.6

Manual Integrations
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 Reviewed By : Yogesh Patel 08/01/2024
 Supervised By : mohammad ahmed 09/04/2024



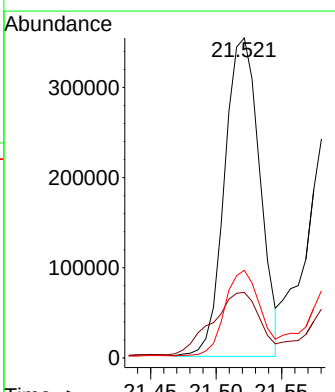
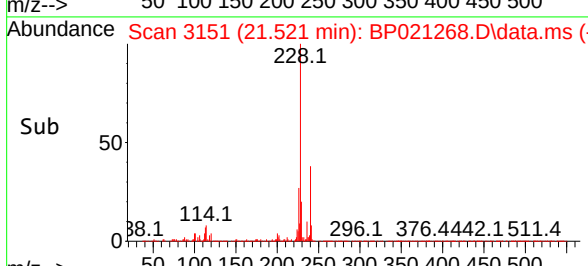
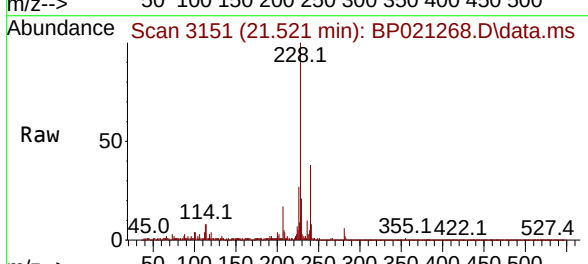
08/01/2024
 Supervised By : mohammad ahmed
 08/03/2024
 Supervised By : mohammad ahmed
 08/03/2024

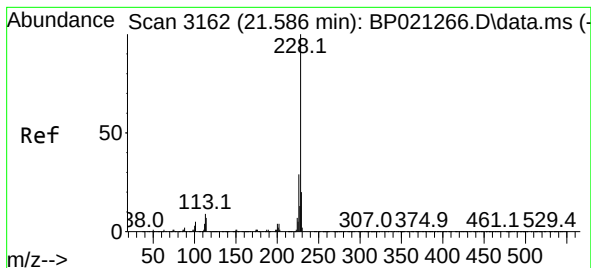


#85
 Benzo(a)anthracene
 Concen: 9.637 ng/ul
 RT: 21.521 min Scan# 3151
 Delta R.T. 0.012 min
 Lab File: BP021268.D
 Acq: 31 Jul 2024 20:03

Tgt Ion: 228 Resp: 661490

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.5	23.3
226	27.4	21.4	32.2





#87

Chrysene

Concen: 8.223 ng/ul

RT: 21.586 min Scan# 3162

Delta R.T. 0.000 min

Lab File: BP021268.D

Acq: 31 Jul 2024 20:03

Instrument :

BNA_P

ClientSampleId :

C0AY8

Tgt Ion:228	Resp: 52443
Ion Ratio	Lower Upper
228 100	
226 30.2	23.6 35.4
229 22.4	15.5 23.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/01/2024

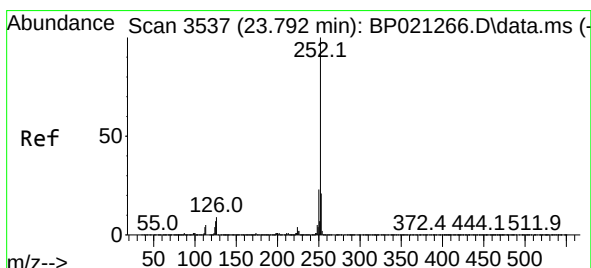
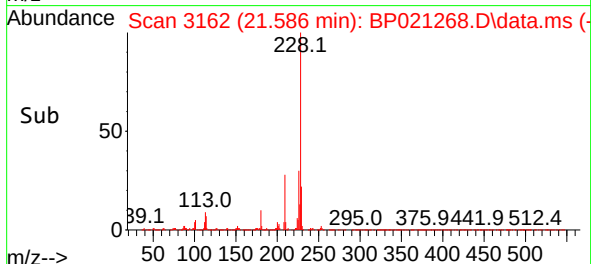
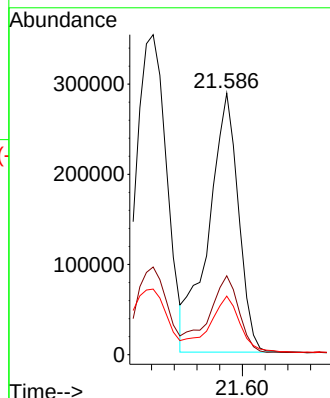
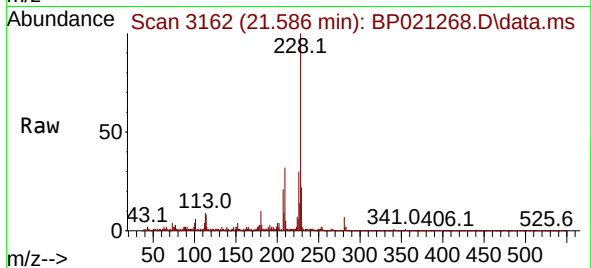
Supervised By :mohammad ahmed 09/04/2024

08/01/2024

Supervised By :mohammad ahmed

08/03/2024

Supervised By :mohammad ahmed



#90

Benzo(b)fluoranthene

Concen: 7.554 ng/ul

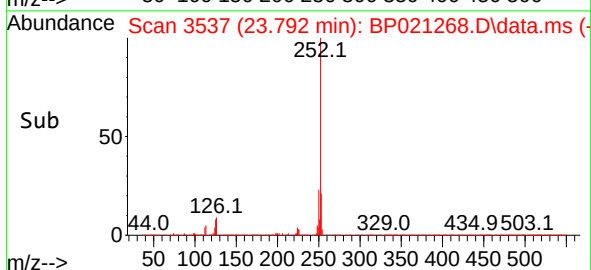
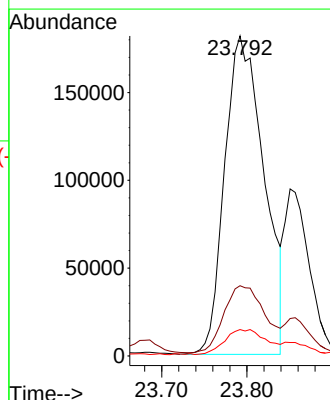
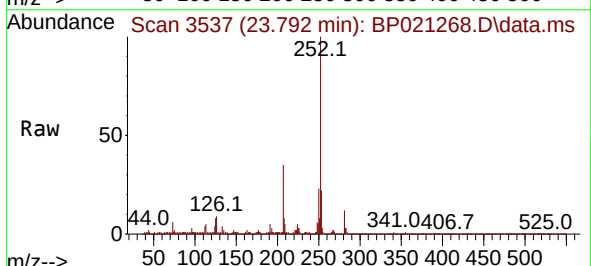
RT: 23.792 min Scan# 3537

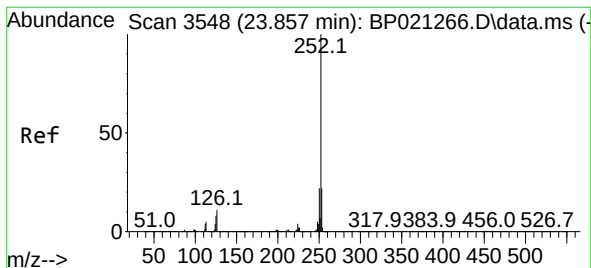
Delta R.T. 0.006 min

Lab File: BP021268.D

Acq: 31 Jul 2024 20:03

Tgt Ion:252	Resp: 581117
Ion Ratio	Lower Upper
252 100	
253 22.0	17.1 25.7
125 8.2	7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 2.433 ng/u1

RT: 23.851 min Scan# 3548

Delta R.T. 0.000 min

Lab File: BP021268.D

Acq: 31 Jul 2024 20:03

Instrument :

BNA_P

ClientSampleId :

C0AY8

Tgt Ion:252 Resp: 186784
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.4 26.2
 125 8.1 7.4 11.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/01/2024

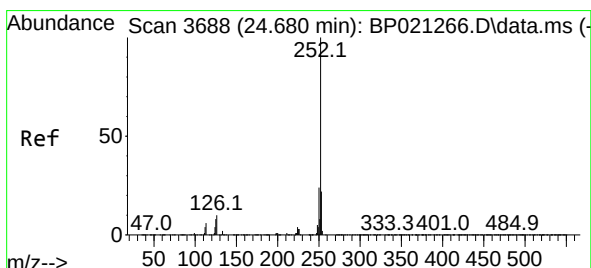
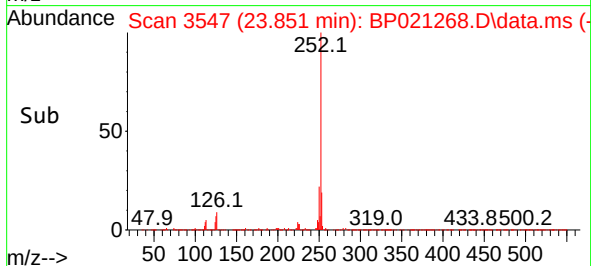
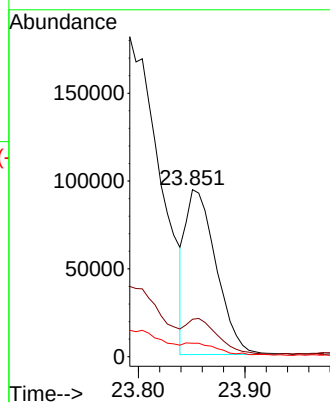
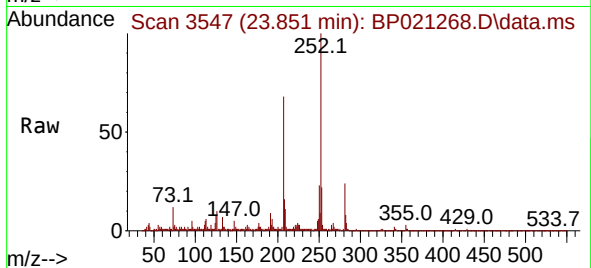
Supervised By :mohammad ahmed 09/04/2024

08/01/2024

Supervised By :mohammad
ahmed

08/03/2024

Supervised By :mohammad
ahmed



#93

Benzo(a)pyrene

Concen: 5.049 ng/u1

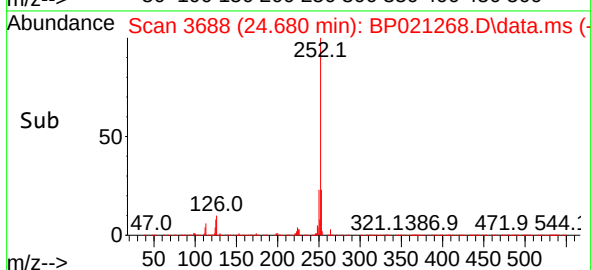
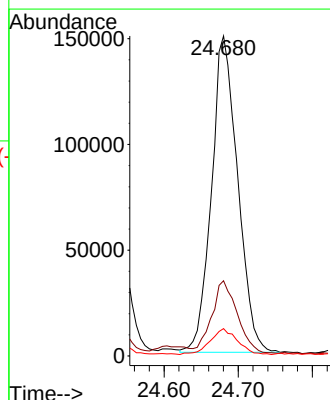
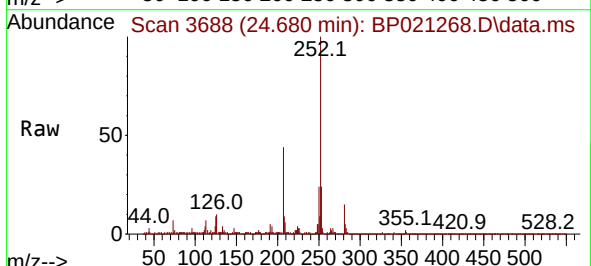
RT: 24.680 min Scan# 3688

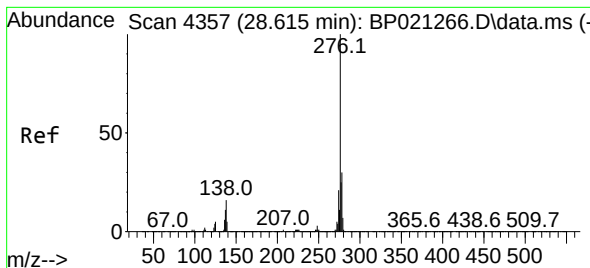
Delta R.T. 0.000 min

Lab File: BP021268.D

Acq: 31 Jul 2024 20:03

Tgt Ion:252 Resp: 367061
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.4 26.0
 125 8.6 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.803 ng/ul m

RT: 28.627 min Scan# 4357

Delta R.T. 0.030 min

Lab File: BP021268.D

Acq: 31 Jul 2024 20:03

Instrument :

BNA_P

ClientSampleId :

C0AY8

Tgt Ion:	276	Resp:	16885
Ion Ratio	Lower	Upper	
276	100		
138	17.7	14.3	21.5
277	25.2	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/01/2024

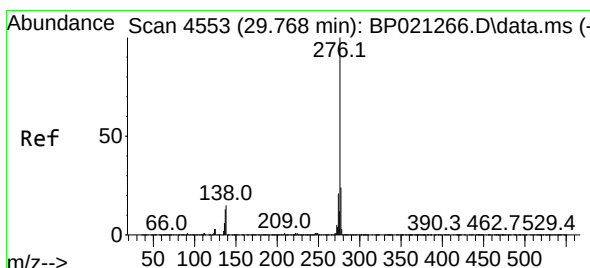
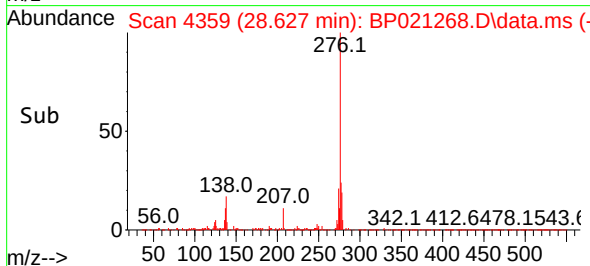
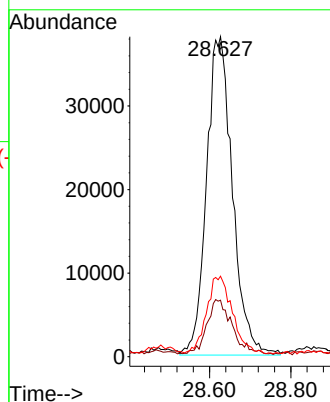
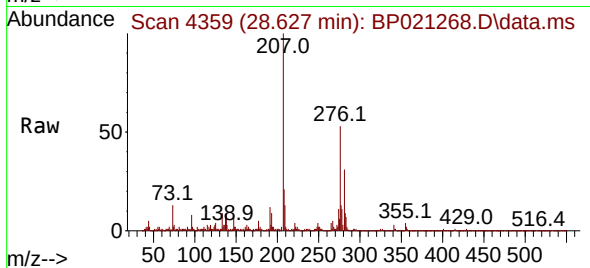
Supervised By :mohammad ahmed 09/04/2024

08/01/2024

Supervised By :mohammad ahmed

08/03/2024

Supervised By :mohammad ahmed



#96

Benzo(g,h,i)perylene

Concen: 1.834 ng/ul m

RT: 29.797 min Scan# 4558

Delta R.T. 0.036 min

Lab File: BP021268.D

Acq: 31 Jul 2024 20:03

Tgt Ion:	276	Resp:	139948
Ion Ratio	Lower	Upper	
276	100		
138	14.7	15.3	22.9
277	26.4	18.2	27.2

