

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080124\
 Data File : BP021323.D
 Acq On : 02 Aug 2024 16:18
 Operator : CG/JU
 Sample : P3265-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4D39

Quant Time: Aug 02 17:19:13 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 08/03/2024
 Supervised By :mohammad ahmed 08/05/2024

08/03/2024
 Supervised By :mohammad
 ahmed

08/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	146793	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.381	136	574350	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.263	164	373823	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.087	188	857653	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	927583	20.000	ng/u1	0.00
88) Perylene-d12	24.827	264	1173451	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	6803	2.109	ng/uL	-0.01
4) Pyridine-d5	3.628	84	8456m	0.905	ng/u1	0.04
7) Phenol-d5	6.858	99	128246	10.716	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.975	67	80679	11.124	ng/u1	0.00
11) 2-Chlorophenol-d4	7.181	132	109372	11.092	ng/u1	0.00
15) 4-Methylphenol-d8	8.375	113	106525m	10.717	ng/u1	0.01
21) Nitrobenzene-d5	8.793	128	46036	10.320	ng/u1	0.00
24) 2-Nitrophenol-d4	9.510	143	55705	10.910	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.081	165	97866m	10.600	ng/u1	0.03
31) 4-Chloroaniline-d4	10.599	131	35745m	2.922	ng/u1	0.04
46) Dimethylphthalate-d6	13.681	166	316919	11.662	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	362077	11.866	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.628	143	44690m	11.558	ng/u1	0.04
60) Fluorene-d10	15.281	176	297637	13.350	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	34460	6.641	ng/u1	0.02
73) Anthracene-d10	17.192	188	491136	12.893	ng/u1	0.00
81) Pyrene-d10	19.575	212	616546	10.751	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.598	264	605156	10.456	ng/u1	0.00
Target Compounds						
					Qvalue	
50) Acenaphthylene	13.987	152	50584	1.464	ng/u1	96
52) Acenaphthene	14.328	153	25499	1.112	ng/u1	99
61) Fluorene	15.345	166	29067	1.134	ng/u1	91
72) Phenanthrene	17.134	178	763220	17.154	ng/u1	100
74) Anthracene	17.228	178	147790	3.258	ng/u1	99
77) Carbazole	17.534	167	92065	2.483	ng/u1	98
78) Di-n-butylphthalate	18.081	149	56545	1.105	ng/u1#	98
80) Fluoranthene	19.228	202	1817330	26.241	ng/u1	99
82) Pyrene	19.604	202	1471860	20.885	ng/u1	99
85) Benzo(a)anthracene	21.516	228	917891	14.126	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.422	149	204056	4.829	ng/u1	99
87) Chrysene	21.575	228	1055777	17.486	ng/u1	97
90) Benzo(b)fluoranthene	23.786	252	1569584	22.041	ng/u1	97
91) Benzo(k)fluoranthene	23.845	252	538563m	7.578	ng/u1	
93) Benzo(a)pyrene	24.680	252	721572	10.723	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.586	276	690060	7.958	ng/u1	98
95) Dibenzo(a,h)anthracene	28.621	278	225503m	3.140	ng/u1	
96) Benzo(g,h,i)perylene	29.774	276	117377m	1.662	ng/u1	

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

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ClientSampleId :
A4D39

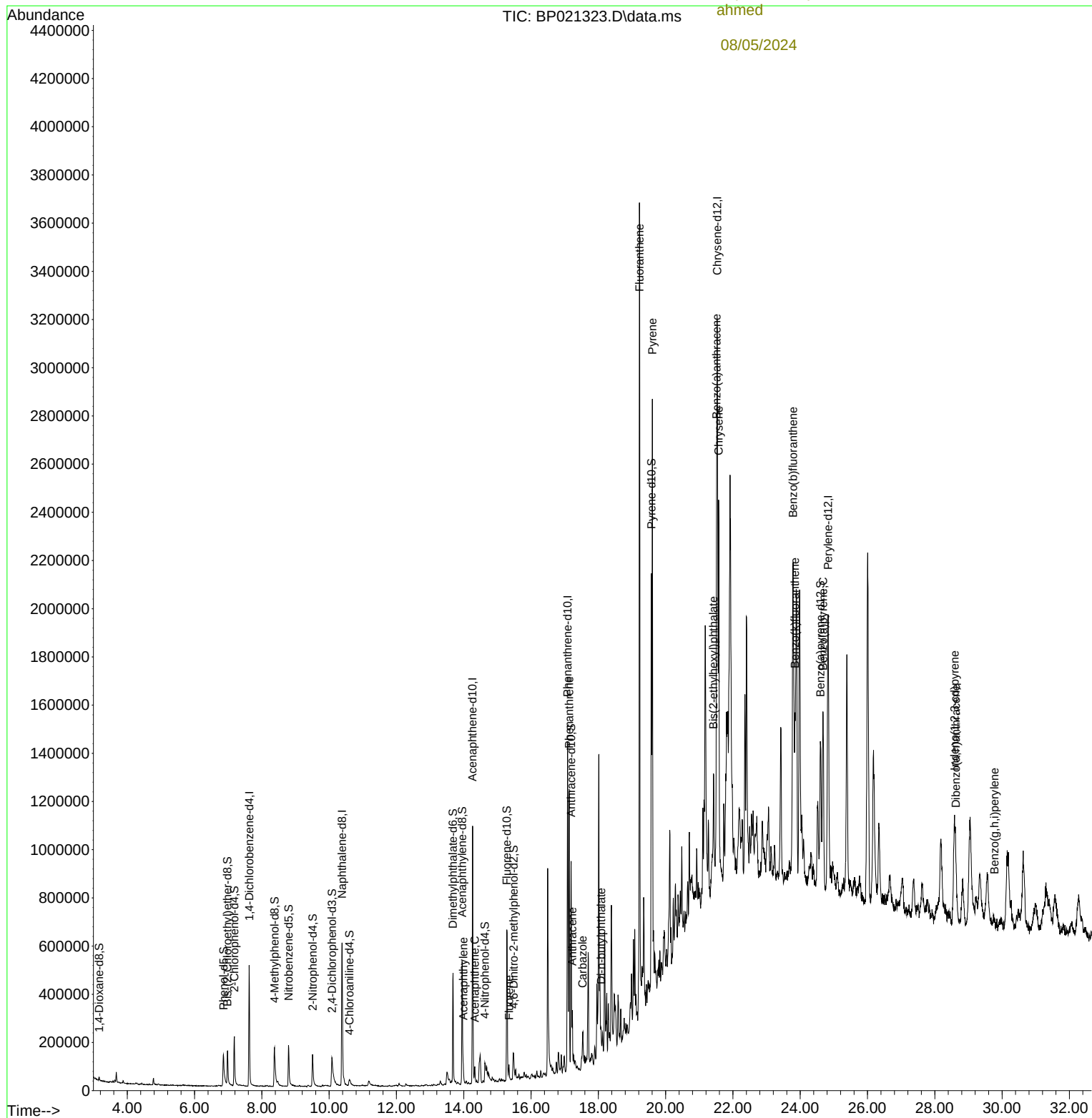
Quant Time: Aug 02 17:19:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

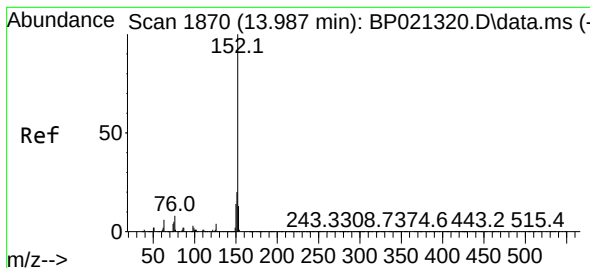
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ahmed

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#50

Acenaphthylene

Concen: 1.464 ng/ul

RT: 13.987 min Scan# 1870

Delta R.T. -0.005 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

Instrument :

BNA_P

ClientSampleId :

A4D39

Tgt Ion:	152	Resp:	50584
Ion Ratio	Lower	Upper	
152	100		
151	18.4	16.2	24.2
153	14.1	10.3	15.5

Manual Integrations

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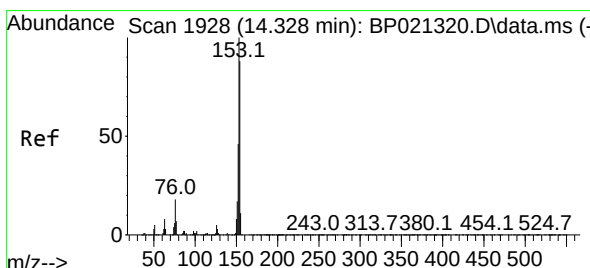
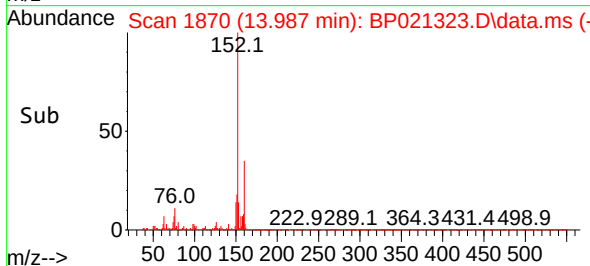
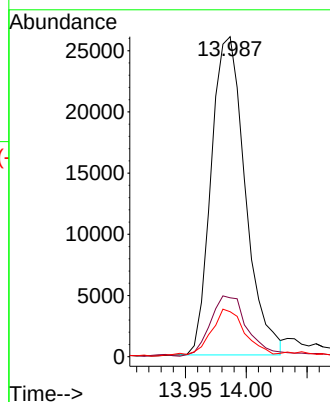
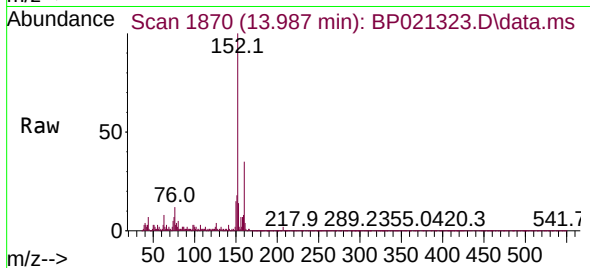
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#52

Acenaphthene

Concen: 1.112 ng/ul

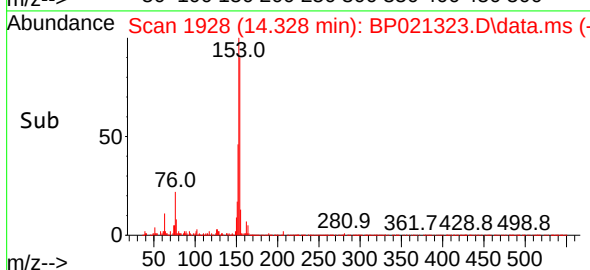
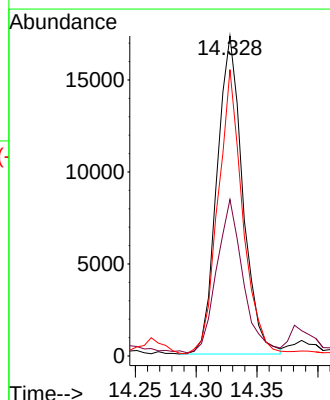
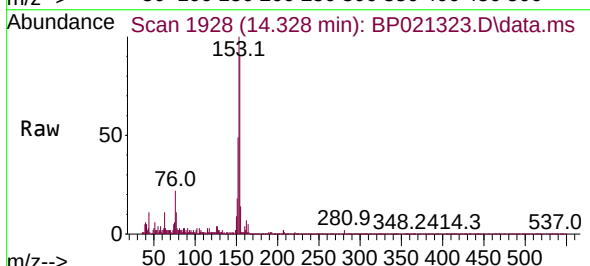
RT: 14.328 min Scan# 1928

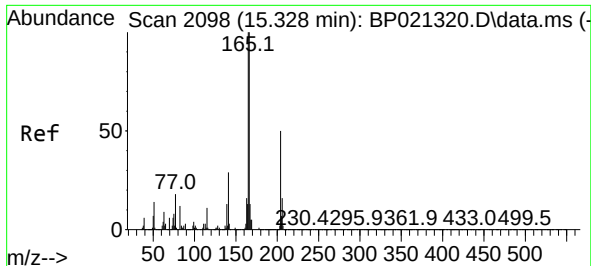
Delta R.T. -0.011 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

Tgt Ion:	153	Resp:	25499
Ion Ratio	Lower	Upper	
153	100		
152	48.9	37.8	56.6
154	89.5	71.8	107.6





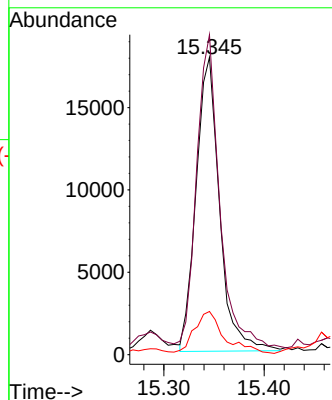
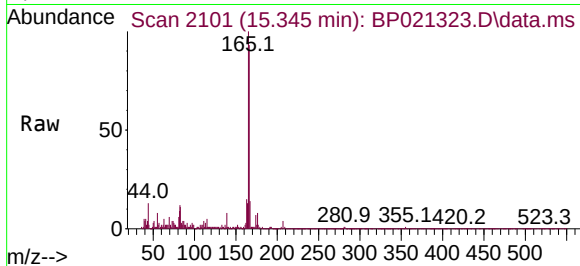
#61
Fluorene
Concen: 1.134 ng/ul
RT: 15.345 min Scan# 2101
Delta R.T. 0.000 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

Instrument :
BNA_P
ClientSampleId :
A4D39

Tgt Ion:166 Resp: 2906
Ion Ratio Lower Upper
166 100
165 107.6 78.1 117.1
167 14.5 10.9 16.3

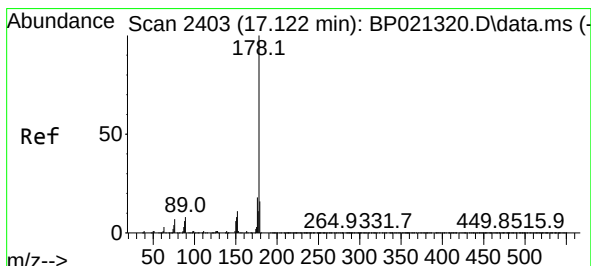
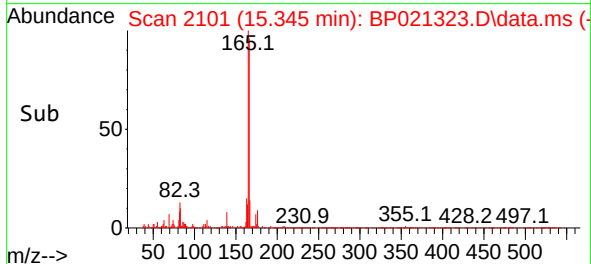
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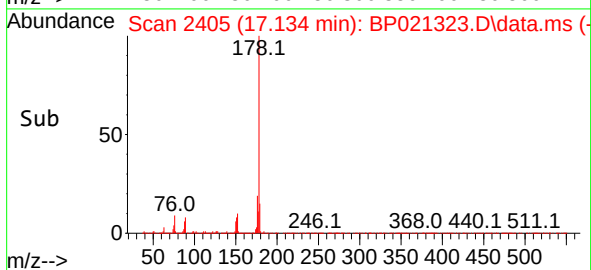
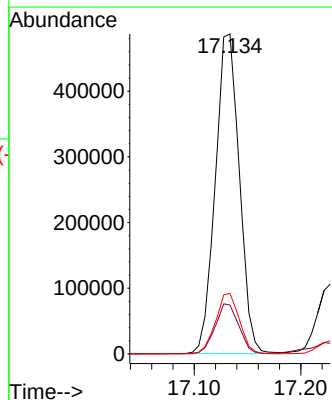
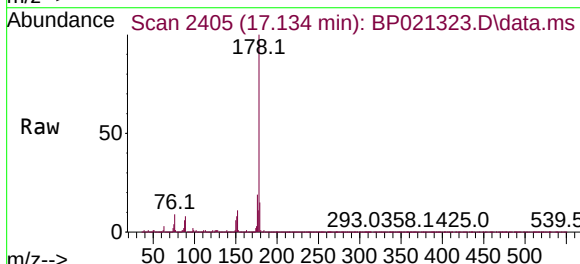
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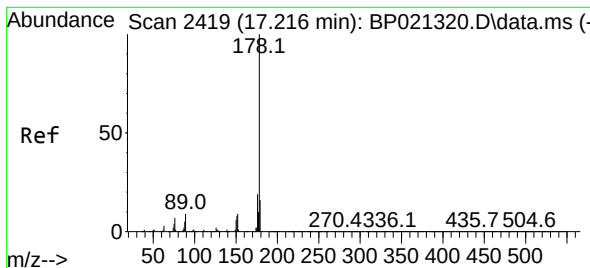
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#72
Phenanthrene
Concen: 17.154 ng/ul
RT: 17.134 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

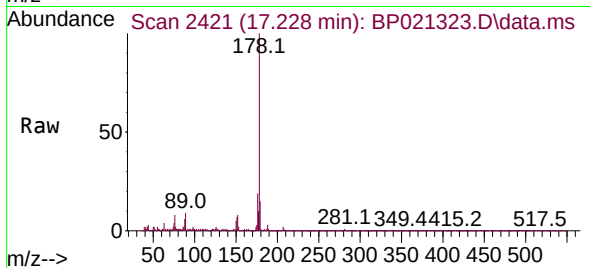
Tgt Ion:178 Resp: 763220
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.4
176 19.0 15.0 22.4





#74
Anthracene
Concen: 3.258 ng/uI
RT: 17.228 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

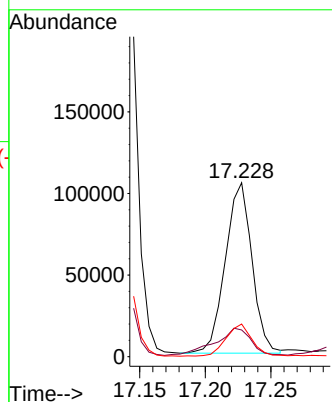
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:178 Resp: 147790
Ion Ratio Lower Upper
178 100
179 15.4 12.5 18.7
176 18.8 14.8 22.2

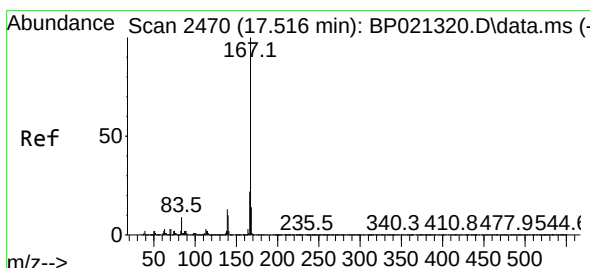
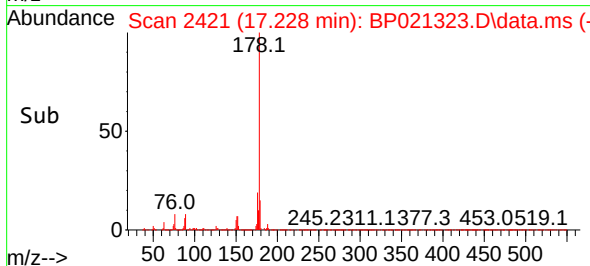
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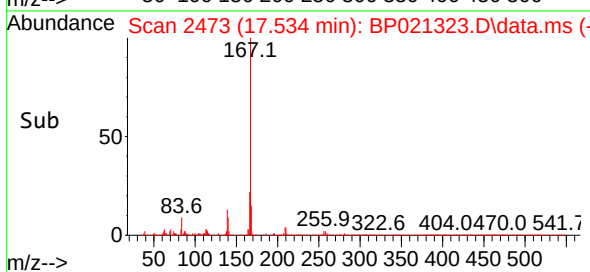
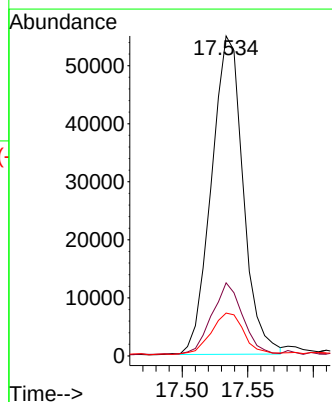
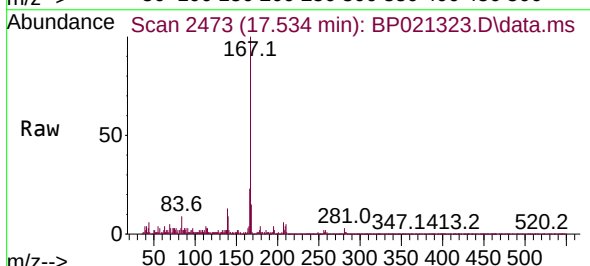
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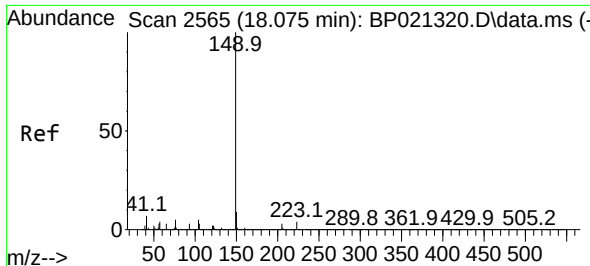
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#77
Carbazole
Concen: 2.483 ng/uI
RT: 17.534 min Scan# 2473
Delta R.T. 0.012 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

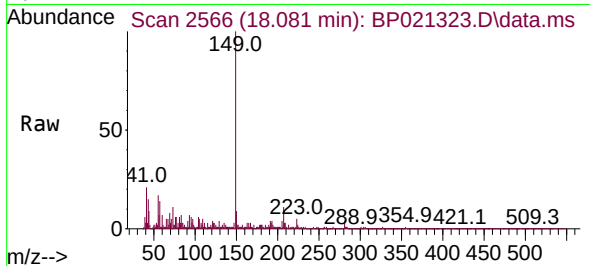
Tgt Ion:167 Resp: 92065
Ion Ratio Lower Upper
167 100
166 22.8 17.3 25.9
139 13.4 10.2 15.2





#78
Di-n-butylphthalate
Concen: 1.105 ng/ul
RT: 18.081 min Scan# 2565
Delta R.T. -0.017 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

Instrument :
BNA_P
ClientSampleId :
A4D39



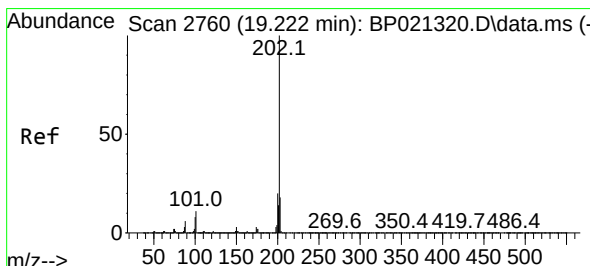
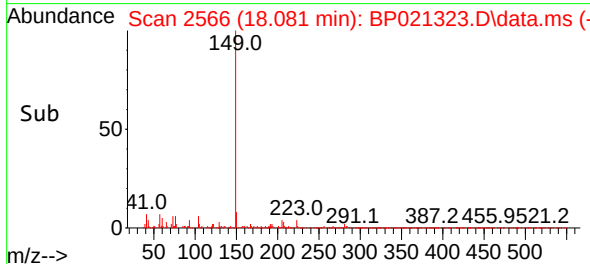
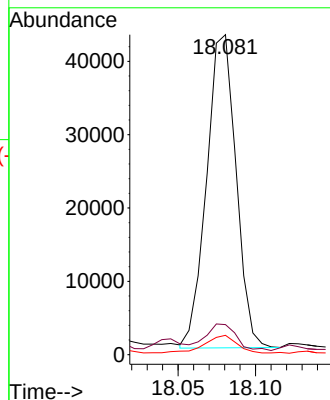
Tgt Ion:149 Resp: 56549
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 6.1 3.9 5.9

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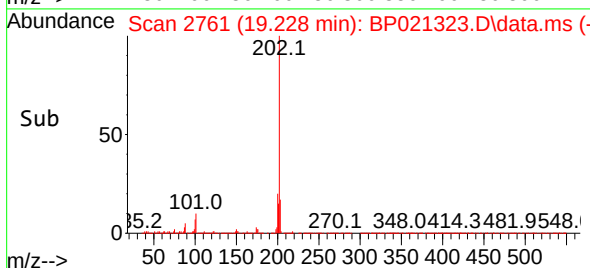
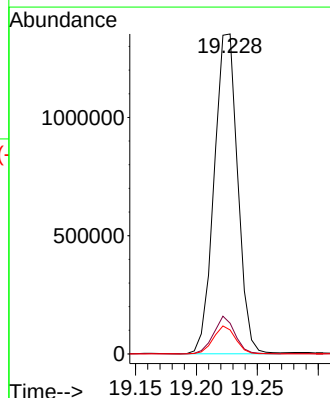
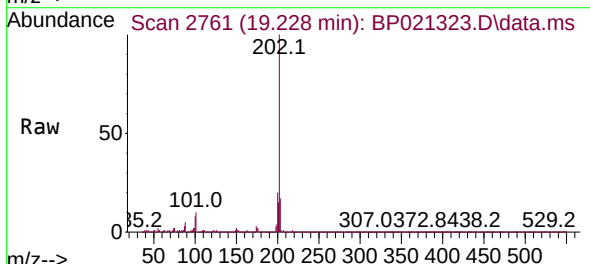
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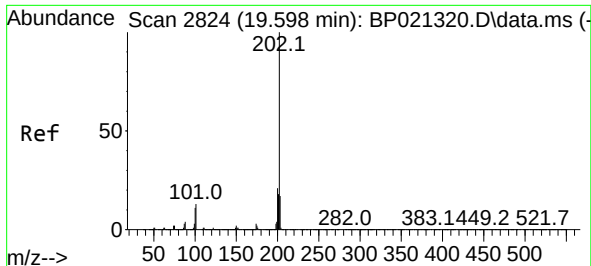
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#80
Fluoranthene
Concen: 26.241 ng/ul
RT: 19.228 min Scan# 2761
Delta R.T. -0.005 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

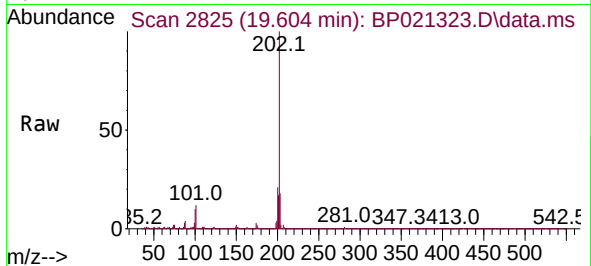
Tgt Ion:202 Resp: 1817330
Ion Ratio Lower Upper
202 100
101 9.6 8.0 12.0
100 7.5 6.1 9.1





#82
 Pyrene
 Concen: 20.885 ng/ul
 RT: 19.604 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BP021323.D
 Acq: 02 Aug 2024 16:18

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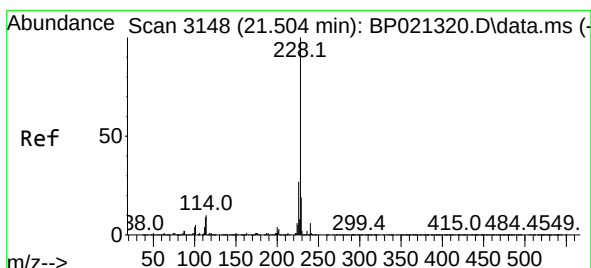
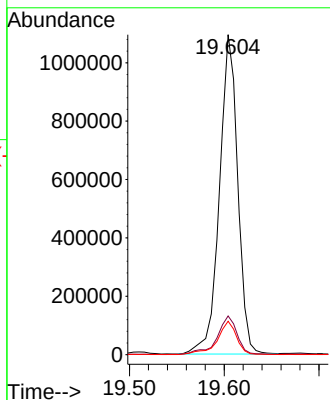
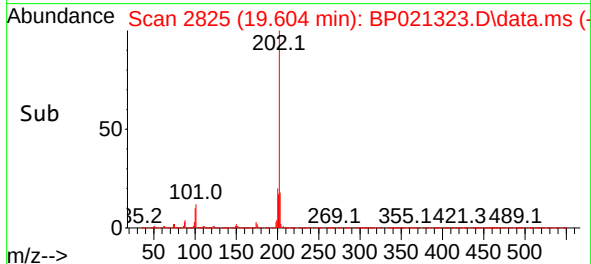
Tgt Ion:202 Resp: 1471860
 Ion Ratio Lower Upper
 202 100
 101 12.1 9.4 14.2
 100 10.5 7.8 11.6

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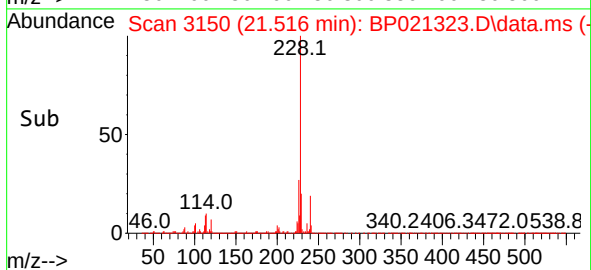
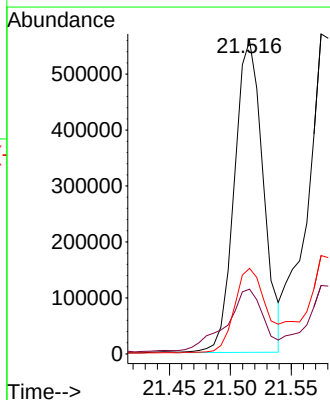
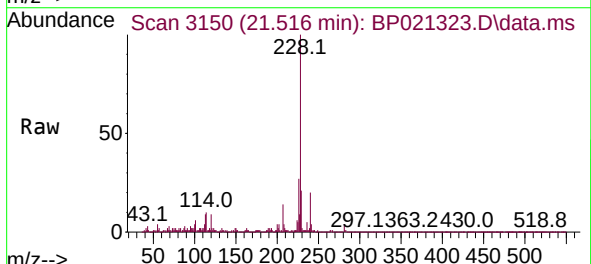
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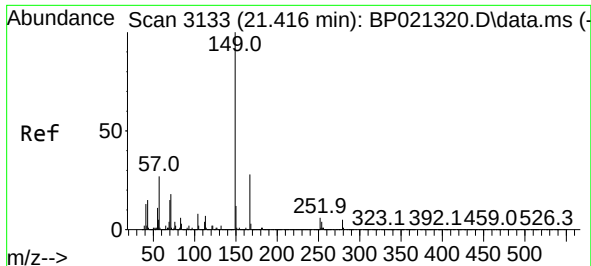
08/05/2024



#85
 Benzo(a)anthracene
 Concen: 14.126 ng/ul
 RT: 21.516 min Scan# 3150
 Delta R.T. 0.006 min
 Lab File: BP021323.D
 Acq: 02 Aug 2024 16:18

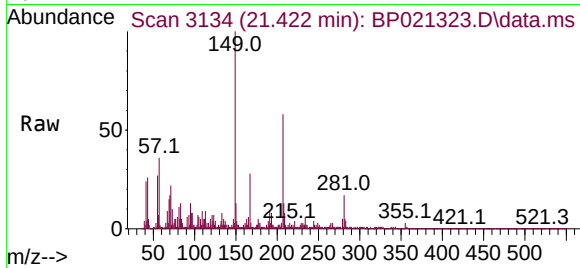
Tgt Ion:228 Resp: 917891
 Ion Ratio Lower Upper
 228 100
 229 20.7 15.5 23.3
 226 27.3 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 4.829 ng/ul
RT: 21.422 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

Instrument :
BNA_P
ClientSampleId :
A4D39



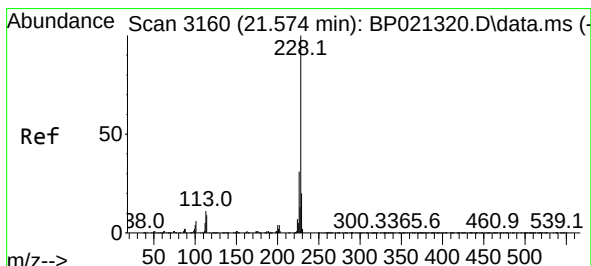
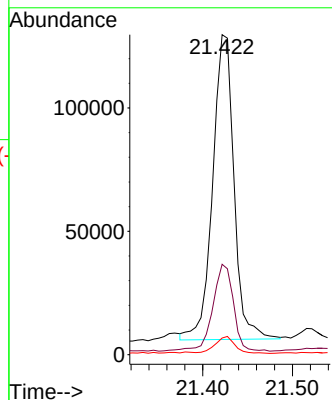
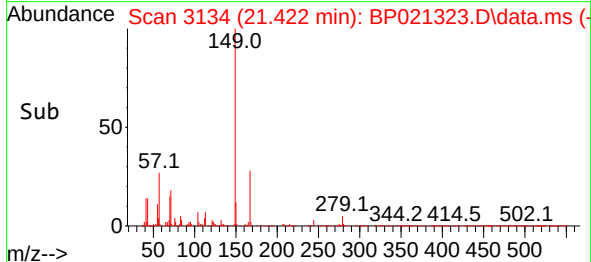
Tgt Ion:149 Resp: 204056
Ion Ratio Lower Upper
149 100
167 28.3 22.1 33.1
279 5.2 3.7 5.5

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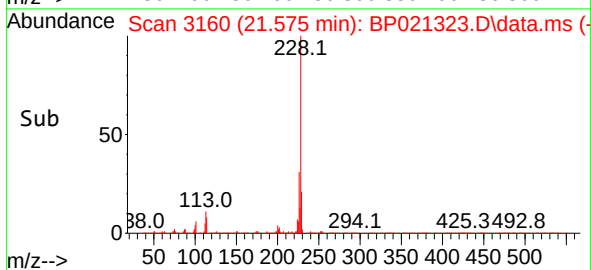
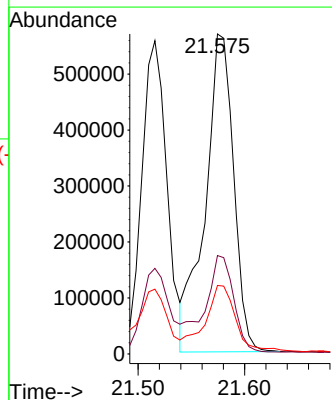
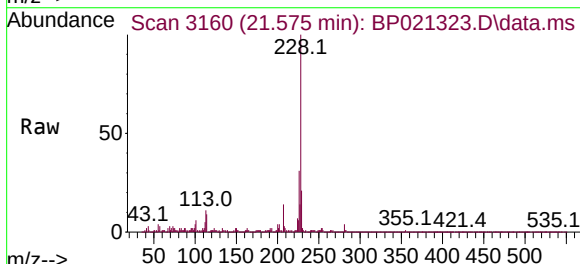
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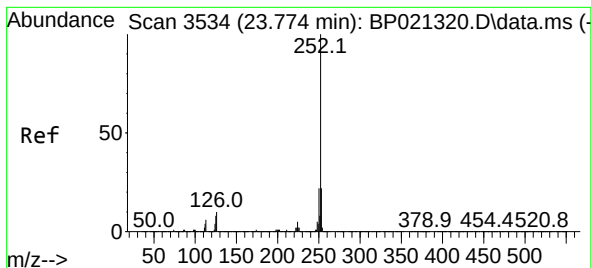
08/05/2024



#87
Chrysene
Concen: 17.486 ng/ul
RT: 21.575 min Scan# 3160
Delta R.T. -0.011 min
Lab File: BP021323.D
Acq: 02 Aug 2024 16:18

Tgt Ion:228 Resp: 1055777
Ion Ratio Lower Upper
228 100
226 30.7 23.6 35.4
229 21.4 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 22.041 ng/ul

RT: 23.786 min Scan# 3534

Delta R.T. 0.000 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

Instrument :

BNA_P

ClientSampleId :

A4D39

Tgt Ion:252 Resp: 1569584

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 9.8 7.0 10.4

Manual Integrations

APPROVED

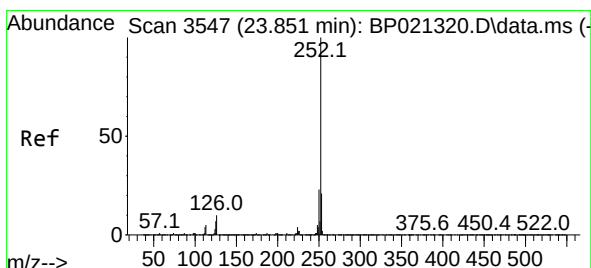
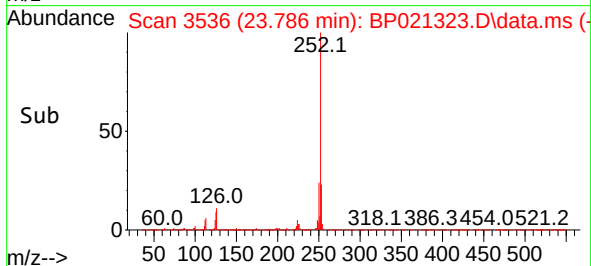
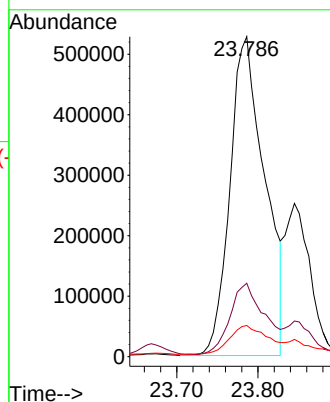
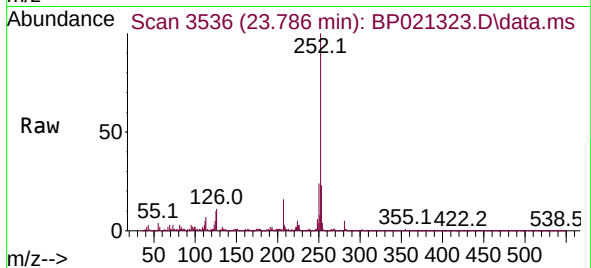
Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/05/2024

08/03/2024

Supervised By :mohammad
ahmed

08/05/2024



#91

Benzo(k)fluoranthene

Concen: 7.578 ng/ul m

RT: 23.845 min Scan# 3546

Delta R.T. -0.005 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

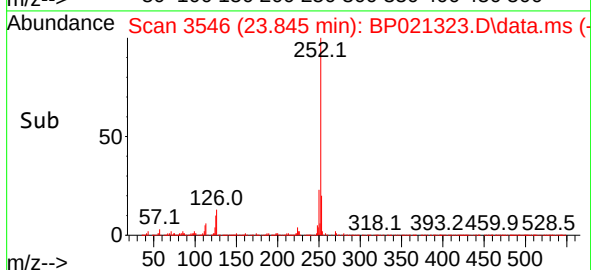
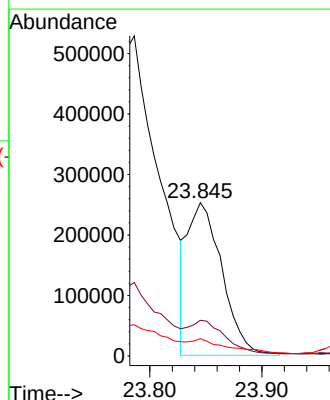
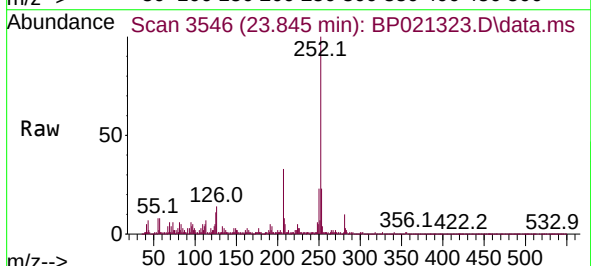
Tgt Ion:252 Resp: 538563

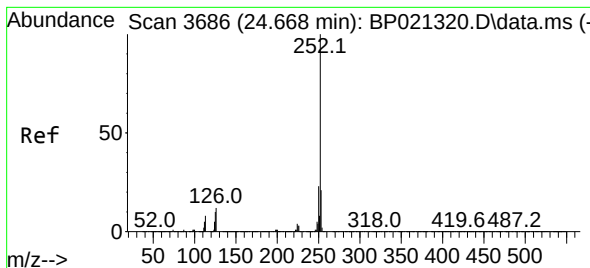
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 11.3 7.4 11.0#





#93

Benzo(a)pyrene

Concen: 10.723 ng/ul

RT: 24.680 min Scan# 30

Delta R.T. 0.000 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

Instrument :

BNA_P

ClientSampleId :

A4D39

Tgt Ion:	252	Resp:	72157
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	9.8	7.7	11.5

Manual Integrations

APPROVED

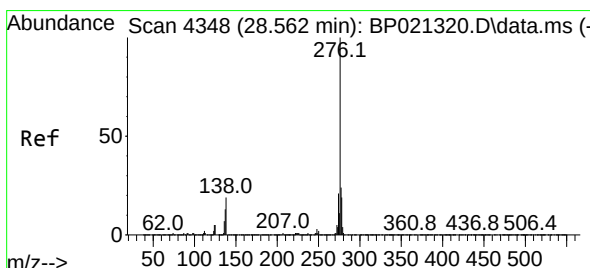
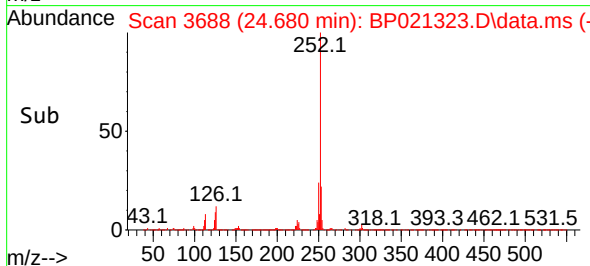
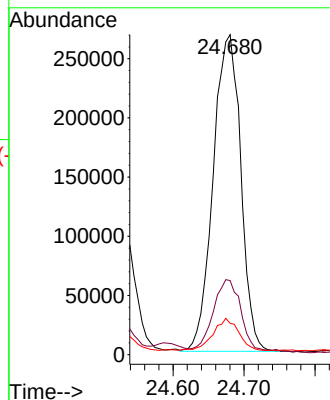
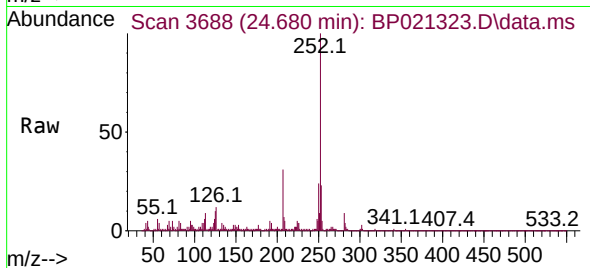
Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/05/2024

08/03/2024

Supervised By :mohammad
ahmed

08/05/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.958 ng/ul

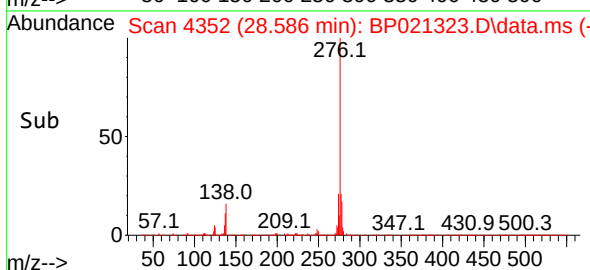
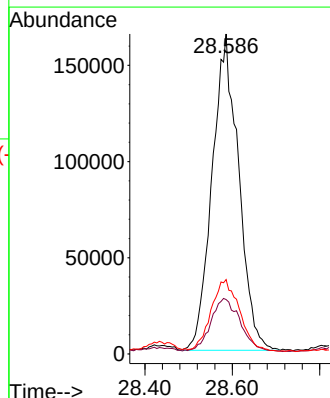
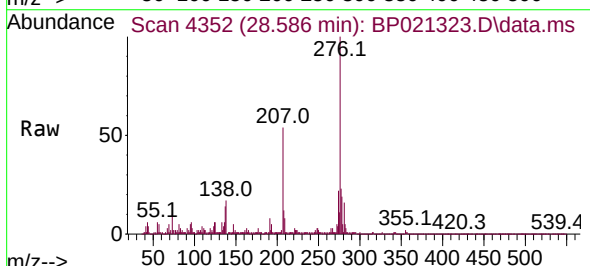
RT: 28.586 min Scan# 4352

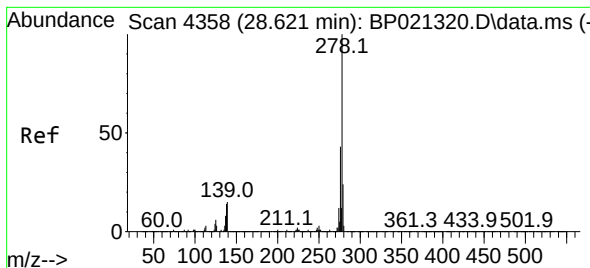
Delta R.T. -0.011 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

Tgt Ion:	276	Resp:	690060
Ion Ratio	Lower	Upper	
276	100		
138	17.0	14.3	21.5
277	23.3	19.2	28.8





#95

Dibenzo(a,h)anthracene

Concen: 3.140 ng/ul m

RT: 28.621 min Scan# 41

Delta R.T. -0.017 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

Instrument :

BNA_P

ClientSampleId :

A4D39

Tgt Ion:	278	Resp:	22550
Ion Ratio	Lower	Upper	
278	100		
139	15.9	10.9	16.3
279	28.7	19.4	29.0

Manual Integrations

APPROVED

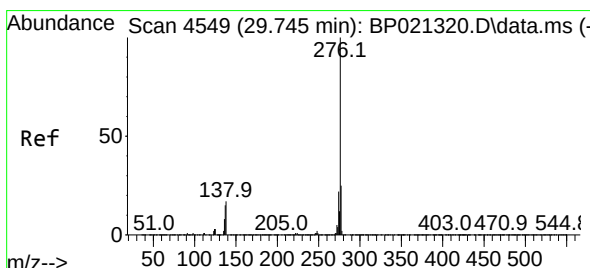
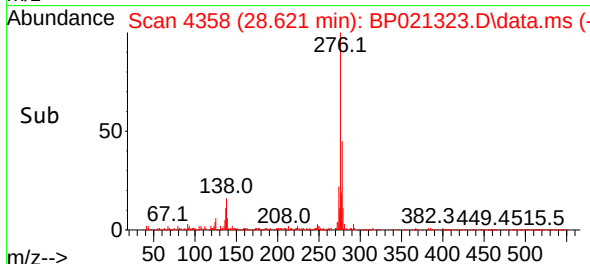
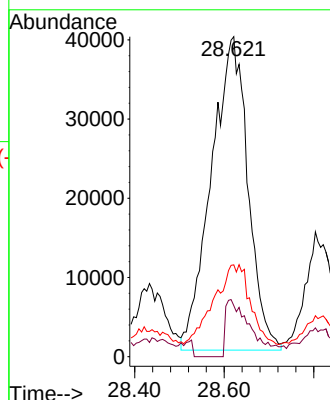
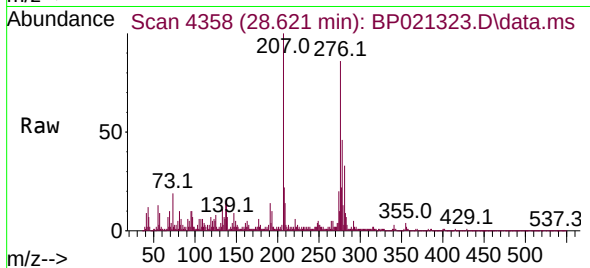
Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/05/2024

08/03/2024

Supervised By :mohammad
ahmed

08/05/2024



#96

Benzo(g,h,i)perylene

Concen: 1.662 ng/ul m

RT: 29.774 min Scan# 4554

Delta R.T. 0.012 min

Lab File: BP021323.D

Acq: 02 Aug 2024 16:18

Tgt Ion:	276	Resp:	117377
Ion Ratio	Lower	Upper	
276	100		
138	21.2	15.3	22.9
277	27.4	18.2	27.2#

