

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021091.D
 Acq On : 22 Jul 2024 16:56
 Operator : MA/JU
 Sample : P3238-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C04

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 04:33:31 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	7.687	152	188362	20.000	ng/u1	0.00
20) Naphthalene-d8	10.445	136	774264	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.310	164	515879	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.127	188	1184572	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	1121372	20.000	ng/u1	0.00
88) Perylene-d12	24.898	264	1407878	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.234	96	14022	3.388	ng/uL	0.00
4) Pyridine-d5	3.675	84	13829m	1.154	ng/u1	0.02
7) Phenol-d5	6.904	99	295530	19.244	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	164981	17.728	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	248455	19.637	ng/u1	0.00
15) 4-Methylphenol-d8	8.410	113	238889	18.730	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	116850	19.430	ng/u1	0.00
24) 2-Nitrophenol-d4	9.545	143	131326	19.079	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.098	165	246435	19.800	ng/u1	0.00
31) 4-Chloroaniline-d4	10.598	131	153709	9.322	ng/u1	0.00
46) Dimethylphthalate-d6	13.704	166	741931	19.784	ng/u1	-0.01
49) Acenaphthylene-d8	13.998	160	882120	20.948	ng/u1	0.00
54) 4-Nitrophenol-d4	14.616	143	85835m	16.087	ng/u1	0.01
60) Fluorene-d10	15.316	176	705733	22.939	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.492	200	39776	5.550	ng/u1	0.01
73) Anthracene-d10	17.221	188	1181284	22.452	ng/u1	0.00
81) Pyrene-d10	19.615	212	1299158	18.739	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.662	264	1178464	16.972	ng/u1	-0.02
Target Compounds					Qvalue	
30) Naphthalene	10.498	128	103012	2.529	ng/u1	98
36) 2-Methylnaphthalene	12.104	142	38386	1.373	ng/u1	100
37) 1-Methylnaphthalene	12.333	142	30469	1.060	ng/u1	99
50) Acenaphthylene	14.028	152	53439	1.121	ng/u1	99
52) Acenaphthene	14.369	153	191707	6.058	ng/u1	98
56) Dibenzofuran	14.716	168	164590	3.798	ng/u1	99
61) Fluorene	15.374	166	257931	7.294	ng/u1	100
72) Phenanthrene	17.169	178	4454767	72.493	ng/u1	99
74) Anthracene	17.257	178	912947	14.573	ng/u1	99
77) Carbazole	17.557	167	494499	9.656	ng/u1	99
80) Fluoranthene	19.274	202	6601990	78.855	ng/u1	98
82) Pyrene	19.651	202	4911787	57.652	ng/u1	98
85) Benzo(a)anthracene	21.557	228	3041800	38.723	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.457	149	520143	10.182	ng/u1#	97
87) Chrysene	21.627	228	2973022	40.731	ng/u1	97
90) Benzo(b)fluoranthene	23.845	252	3882790	45.446	ng/u1	97
91) Benzo(k)fluoranthene	23.909	252	1210596m	14.198	ng/u1	
93) Benzo(a)pyrene	24.750	252	1669976	20.684	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.686	276	1408785	13.541	ng/u1	97
95) Dibenzo(a,h)anthracene	28.721	278	482551m	5.601	ng/u1	
96) Benzo(g,h,i)perylene	29.874	276	208134m	2.456	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

A4C04

Manual Integrations

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Supervised By :mohammad ahmed 07/25/2024

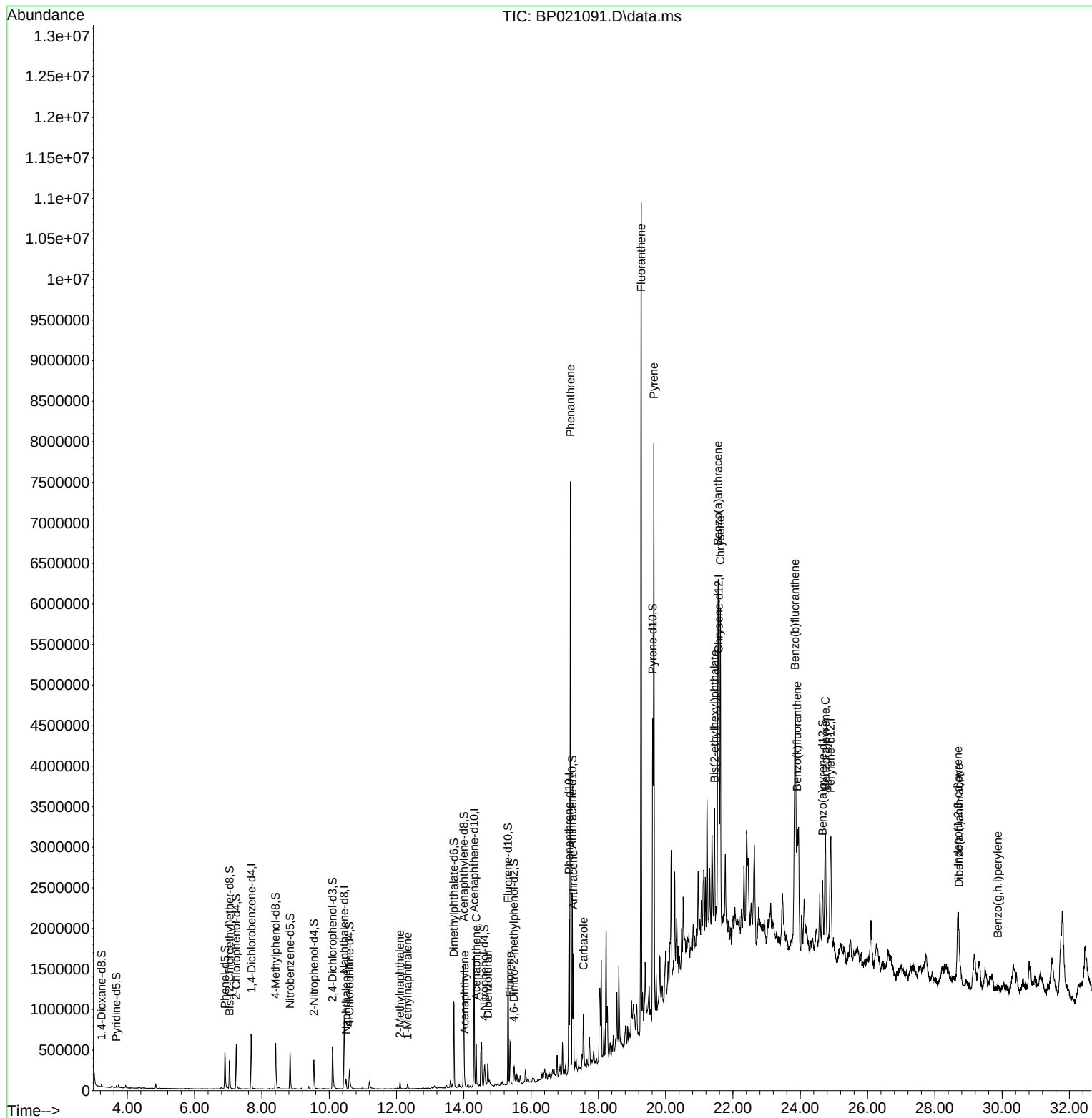
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021091.D
Acq On : 22 Jul 2024 16:56
Operator : MA/JU
Sample : P3238-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

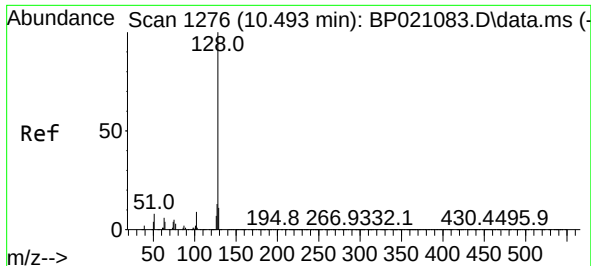
Instrument :
BNA_P
ClientSampleId :
A4C04

Quant Time: Jul 23 04:33:31 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

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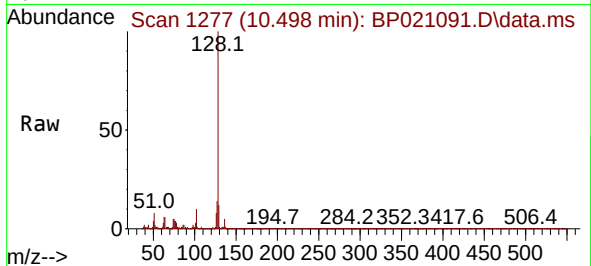
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024





#30
Naphthalene
Concen: 2.529 ng/ul
RT: 10.498 min Scan# 1550
Delta R.T. -0.006 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

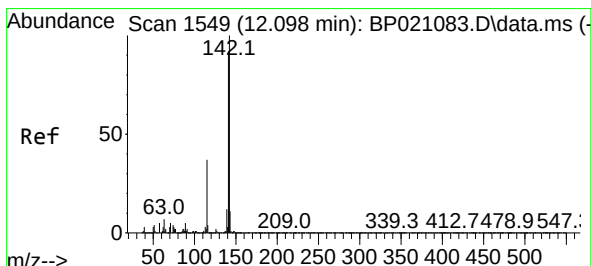
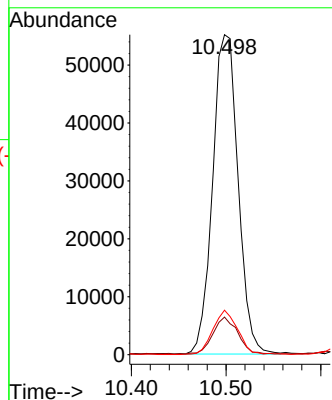
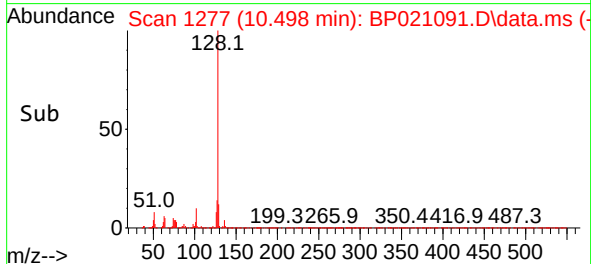
Instrument :
BNA_P
ClientSampleId :
A4C04



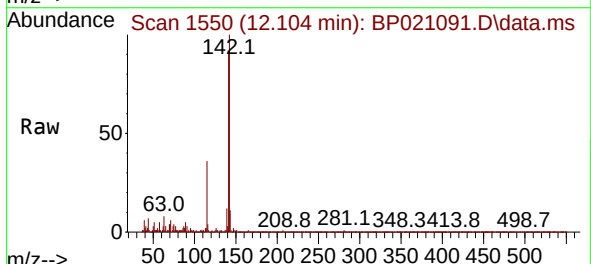
Tgt Ion:128 Resp: 103012
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.9 10.8 16.2

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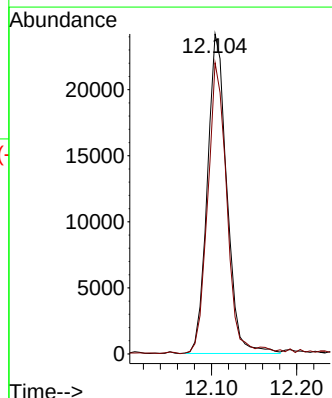
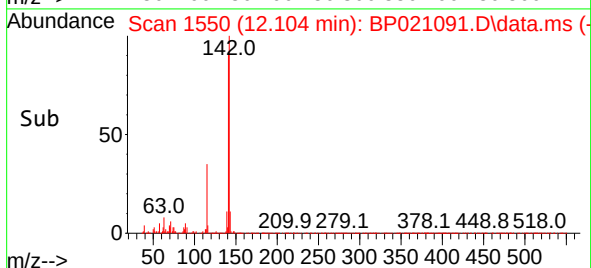
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

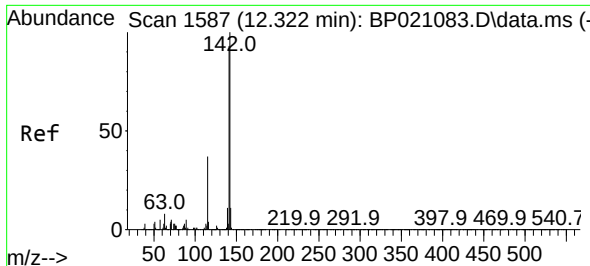


#36
2-Methylnaphthalene
Concen: 1.373 ng/ul
RT: 12.104 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56



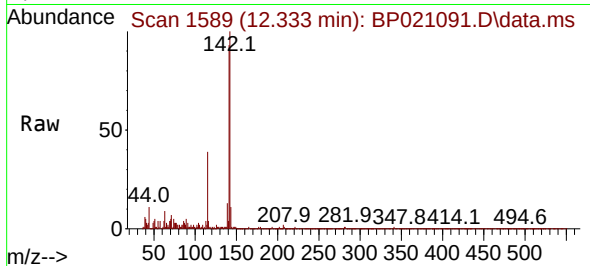
Tgt Ion:142 Resp: 38386
Ion Ratio Lower Upper
142 100
141 91.0 72.6 108.8





#37
1-Methylnaphthalene
Concen: 1.060 ng/ul
RT: 12.333 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

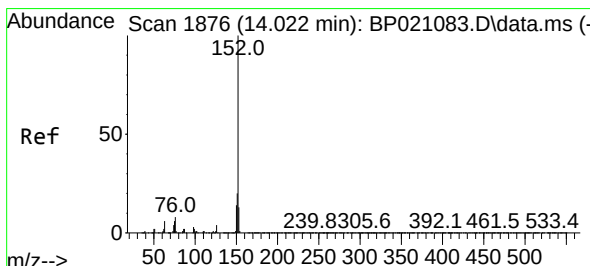
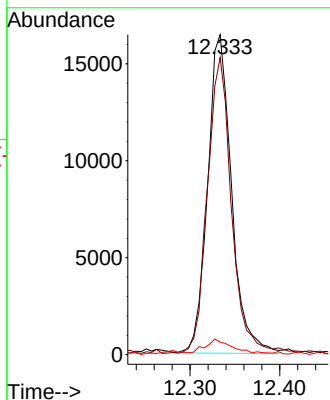
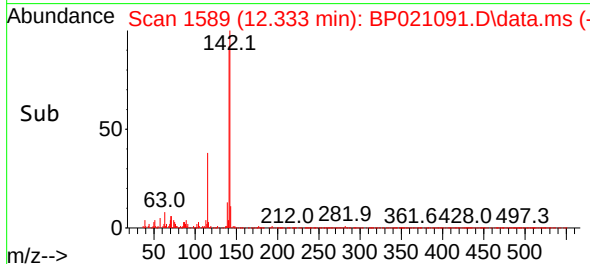
Instrument :
BNA_P
ClientSampleId :
A4C04



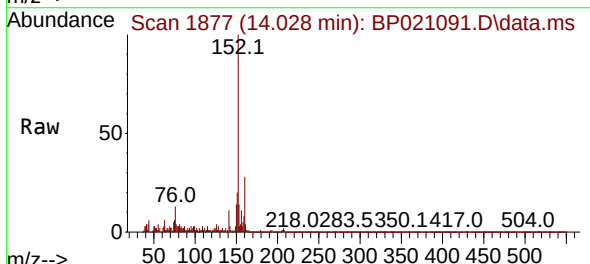
Tgt Ion:142 Resp: 30469
Ion Ratio Lower Upper
142 100
141 92.9 75.0 112.6
116 3.9 3.2 4.8

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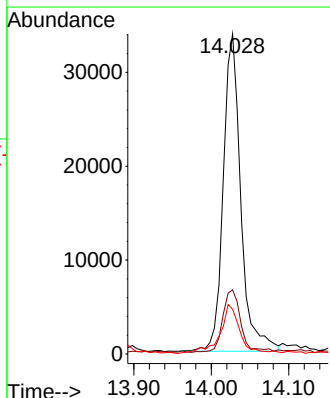
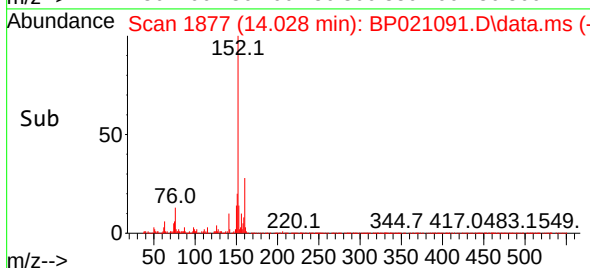
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

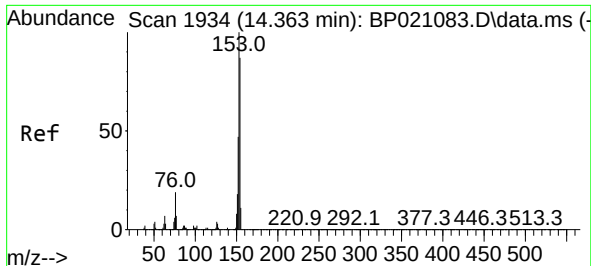


#50
Acenaphthylene
Concen: 1.121 ng/ul
RT: 14.028 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56



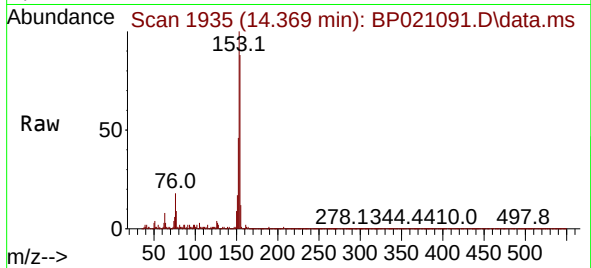
Tgt Ion:152 Resp: 53439
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 14.0 10.3 15.5





#52
Acenaphthene
Concen: 6.058 ng/ul
RT: 14.369 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

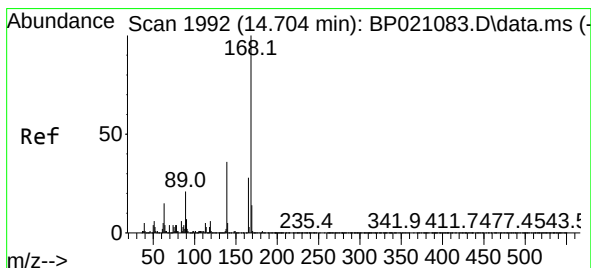
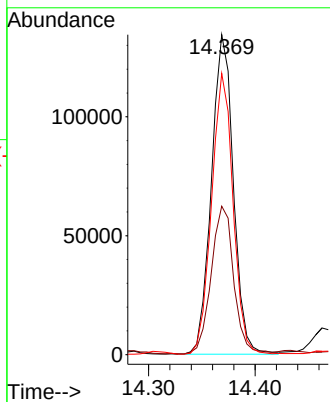
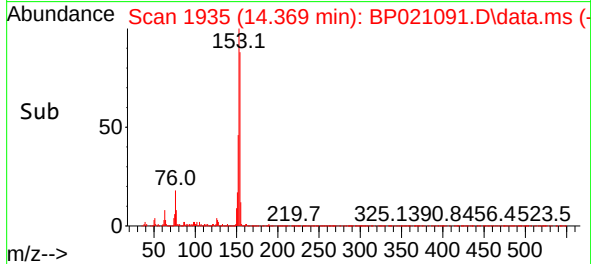
Instrument :
BNA_P
ClientSampleId :
A4C04



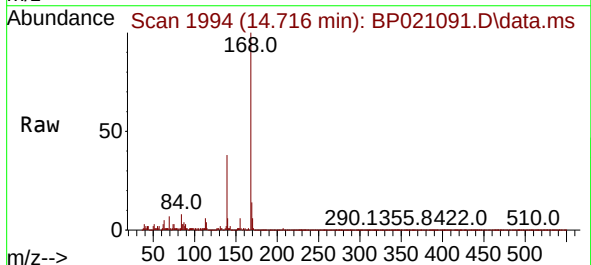
Tgt Ion:153 Resp: 19170
Ion Ratio Lower Upper
153 100
152 46.4 37.8 56.6
154 87.9 71.8 107.6

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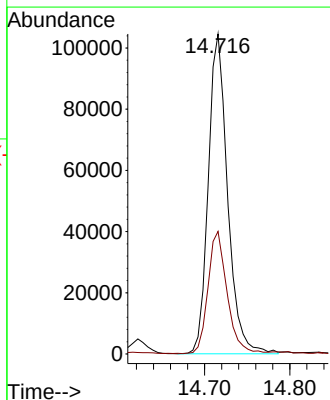
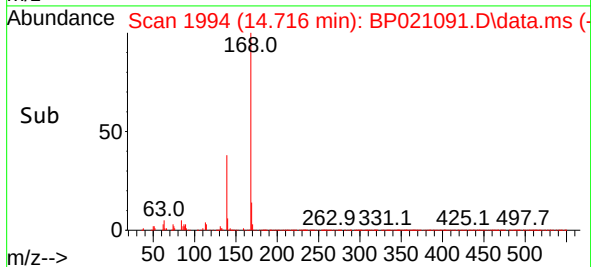
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

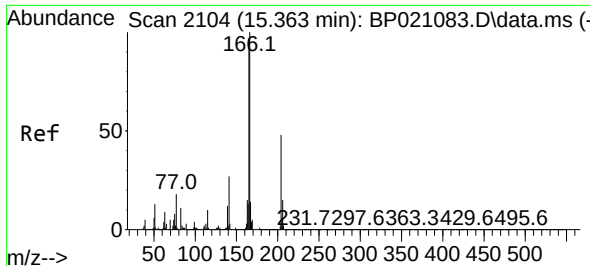


#56
Dibenzofuran
Concen: 3.798 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56



Tgt Ion:168 Resp: 164590
Ion Ratio Lower Upper
168 100
139 38.3 31.1 46.7





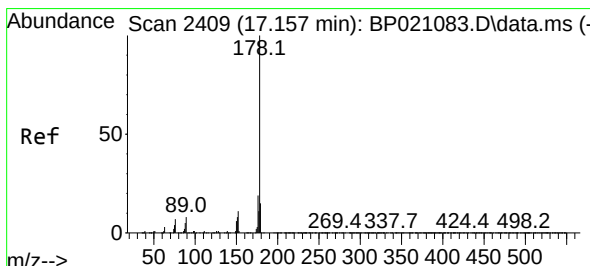
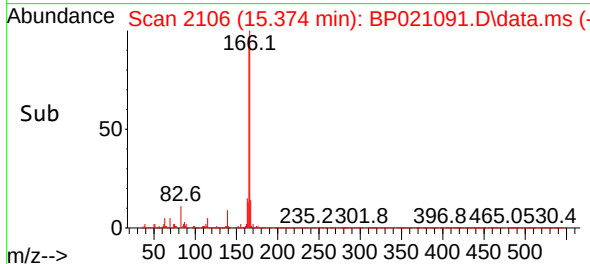
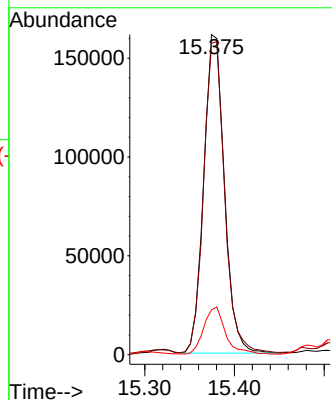
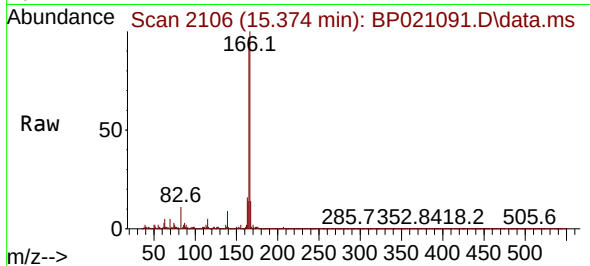
#61
Fluorene
Concen: 7.294 ng/ul
RT: 15.374 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

Instrument :
BNA_P
ClientSampleId :
A4C04

Tgt Ion:166 Resp: 25793
Ion Ratio Lower Upper
166 100
165 97.3 78.1 117.1
167 14.0 10.9 16.3

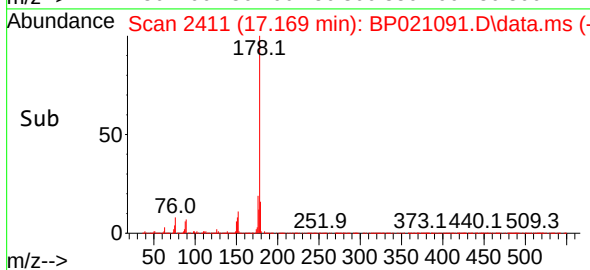
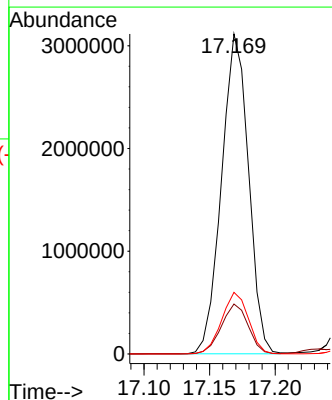
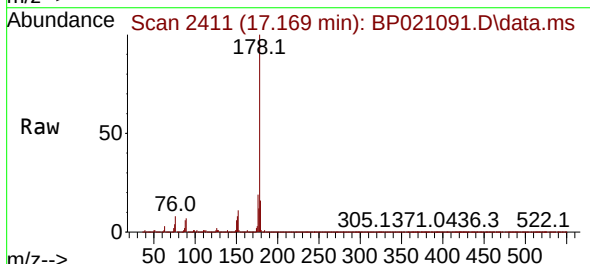
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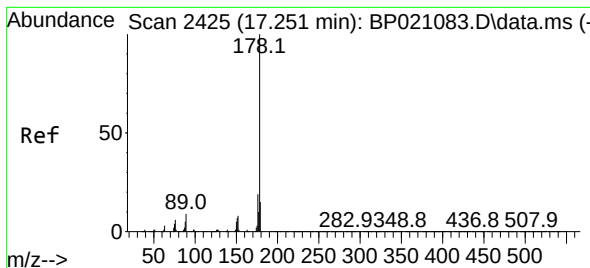
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#72
Phenanthrene
Concen: 72.493 ng/ul
RT: 17.169 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

Tgt Ion:178 Resp: 4454767
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 19.2 15.0 22.4





#74

Anthracene

Concen: 14.573 ng/ul

RT: 17.257 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP021091.D

Acq: 22 Jul 2024 16:56

Instrument :

BNA_P

ClientSampleId :

A4C04

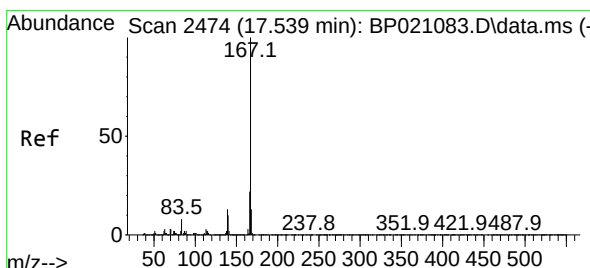
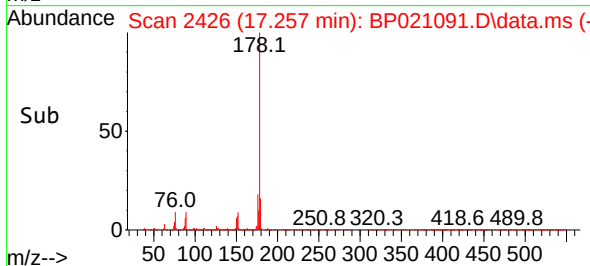
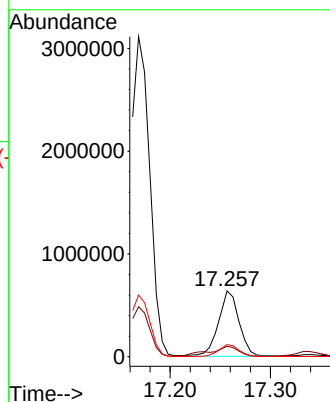
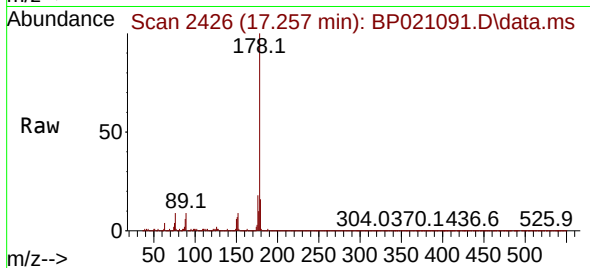
Tgt Ion:	178	Resp:	91294
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.5	18.7
176	18.2	14.8	22.2

Manual Integrations

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#77

Carbazole

Concen: 9.656 ng/ul

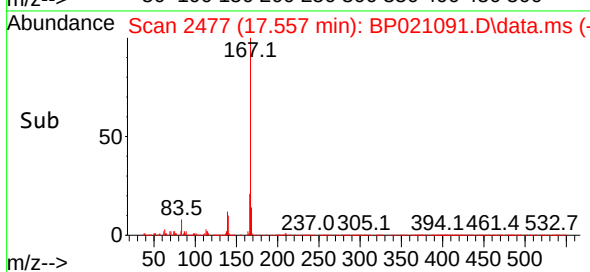
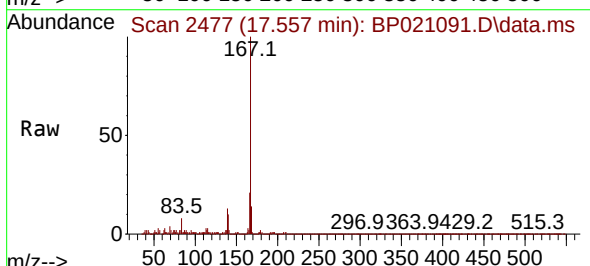
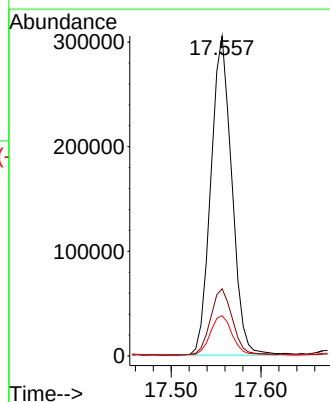
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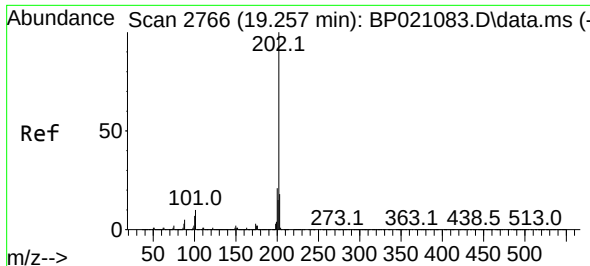
Delta R.T. -0.006 min

Lab File: BP021091.D

Acq: 22 Jul 2024 16:56

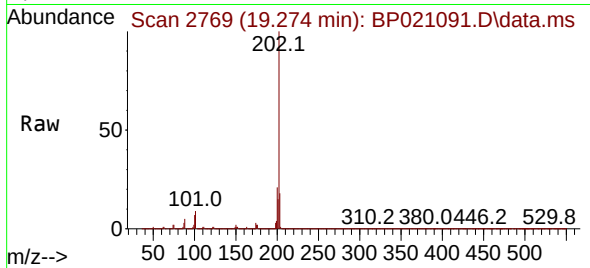
Tgt Ion:	167	Resp:	494499
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.3	25.9
139	12.6	10.2	15.2





#80
Fluoranthene
Concen: 78.855 ng/ul
RT: 19.274 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

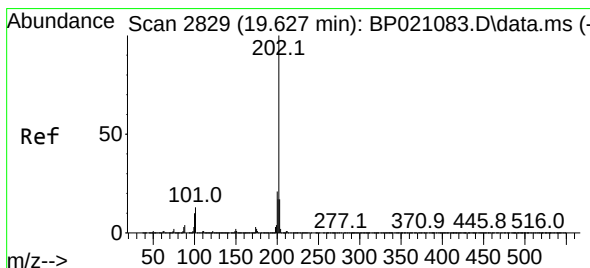
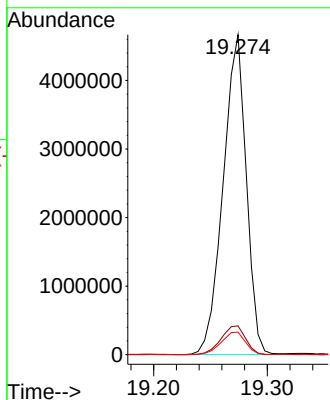
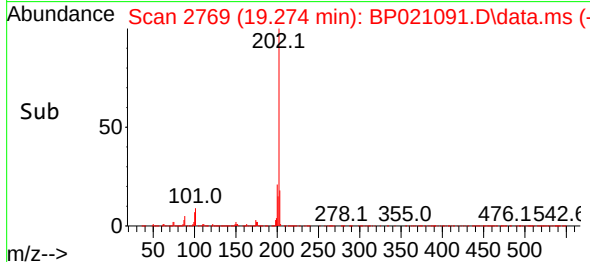
Instrument :
BNA_P
ClientSampleId :
A4C04



Tgt Ion:202 Resp: 6601990
Ion Ratio Lower Upper
202 100
101 9.0 8.0 12.0
100 7.1 6.1 9.1

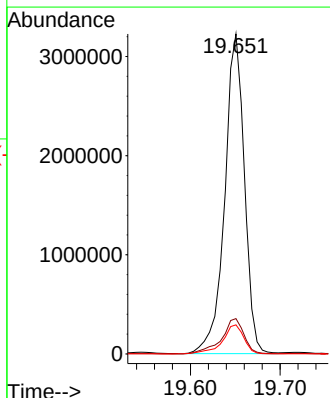
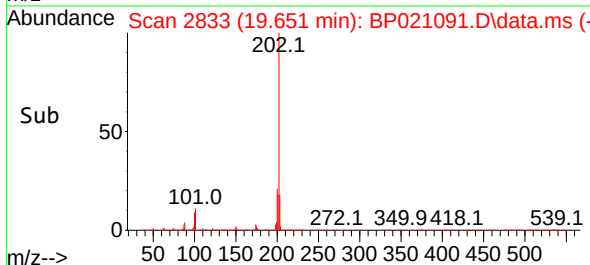
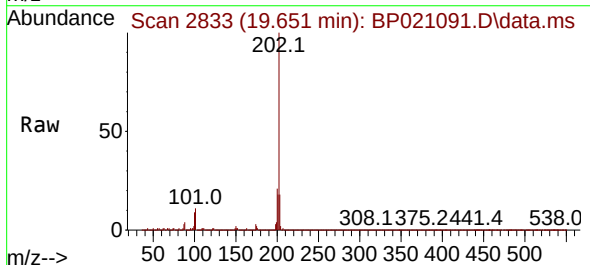
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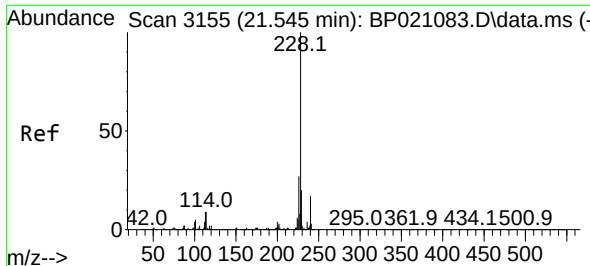
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#82
Pyrene
Concen: 57.652 ng/ul
RT: 19.651 min Scan# 2833
Delta R.T. 0.006 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

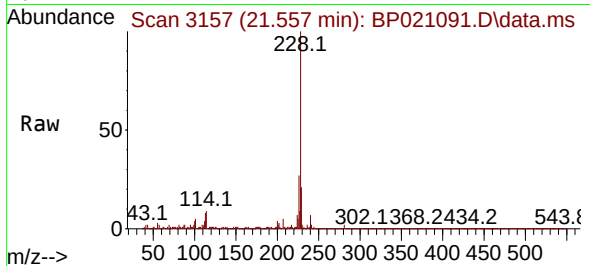
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Ion Ratio Lower Upper
202 100
101 11.1 9.4 14.2
100 9.1 7.8 11.6





#85
Benzo(a)anthracene
Concen: 38.723 ng/ul
RT: 21.557 min Scan# 3155
Delta R.T. -0.006 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

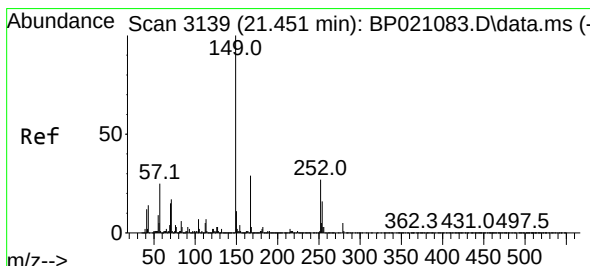
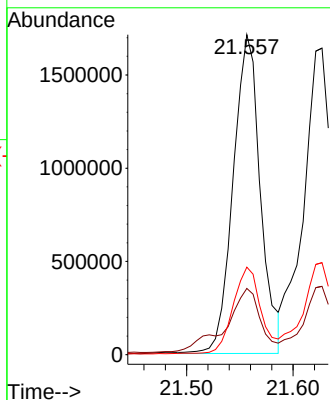
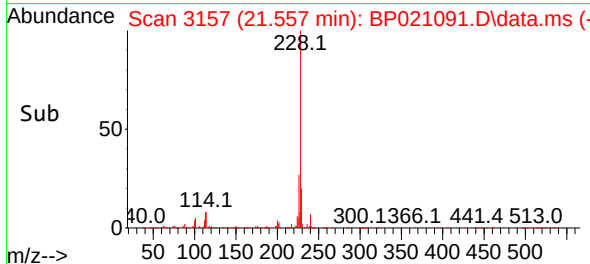
Instrument :
BNA_P
ClientSampleId :
A4C04



Tgt Ion:228 Resp: 3041800
Ion Ratio Lower Upper
228 100
229 20.7 15.5 23.3
226 27.4 21.4 32.2

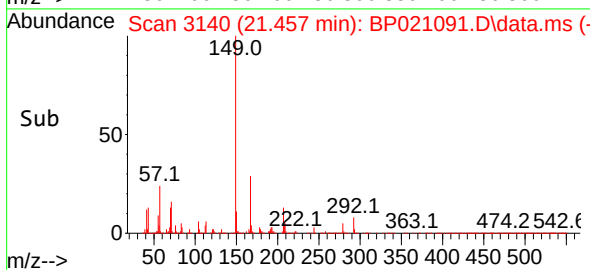
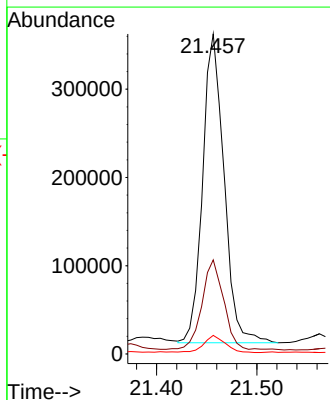
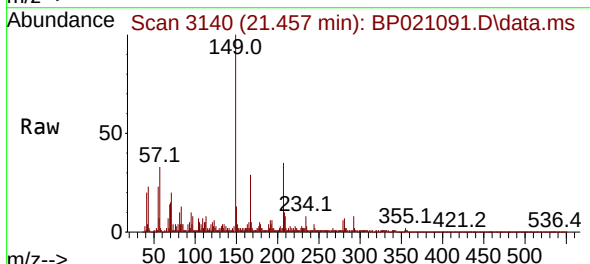
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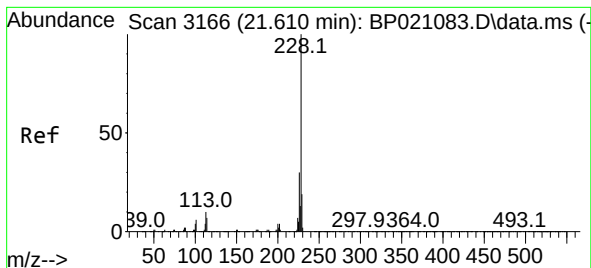
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 10.182 ng/ul
RT: 21.457 min Scan# 3140
Delta R.T. -0.012 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

Tgt Ion:149 Resp: 520143
Ion Ratio Lower Upper
149 100
167 29.4 22.1 33.1
279 5.8 3.7 5.5#





#87

Chrysene

Concen: 40.731 ng/ul

RT: 21.627 min Scan# 3166

Delta R.T. -0.000 min

Lab File: BP021091.D

Acq: 22 Jul 2024 16:56

Instrument :

BNA_P

ClientSampleId :

A4C04

Tgt Ion:228 Resp: 297302

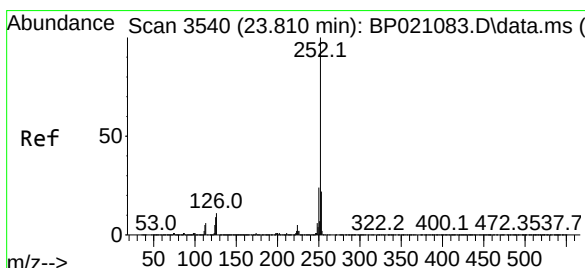
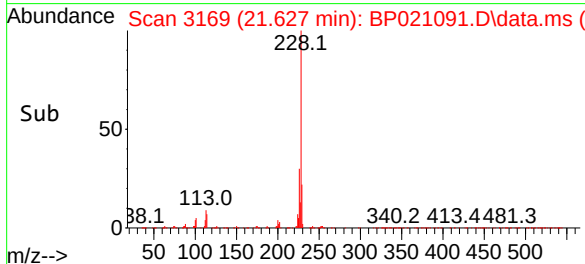
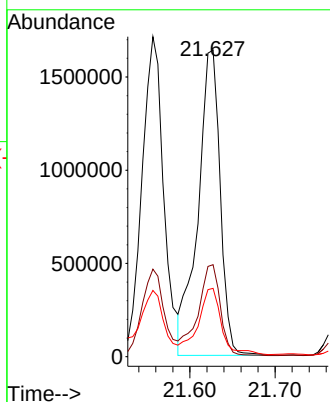
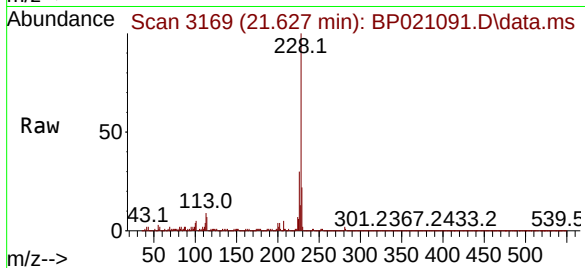
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.6	35.4
229	22.3	15.5	23.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#90

Benzo(b)fluoranthene

Concen: 45.446 ng/ul

RT: 23.845 min Scan# 3546

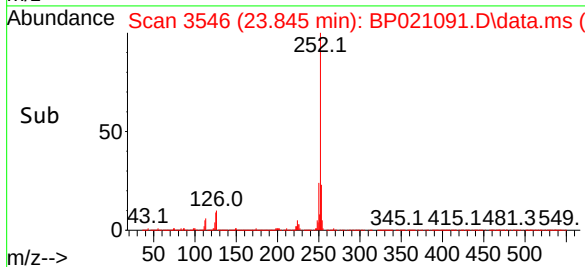
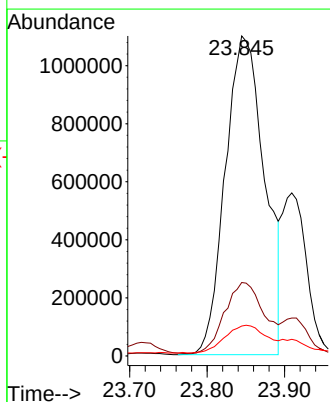
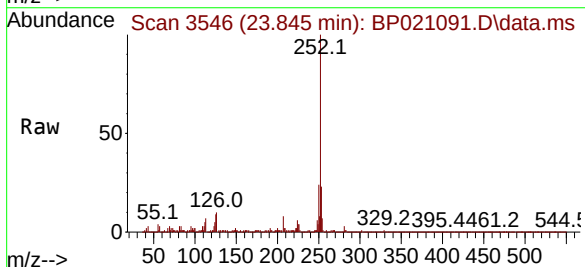
Delta R.T. -0.006 min

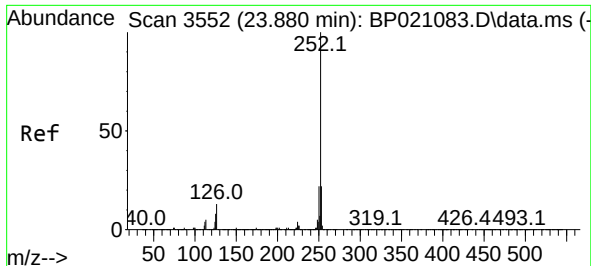
Lab File: BP021091.D

Acq: 22 Jul 2024 16:56

Tgt Ion:252 Resp: 3882790

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	9.4	7.0	10.4





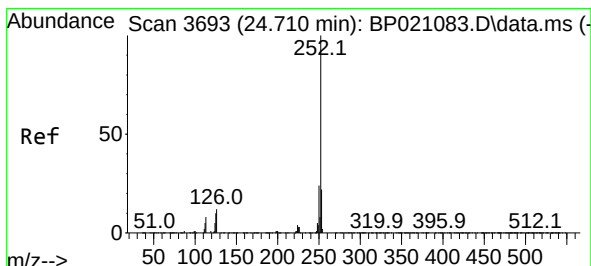
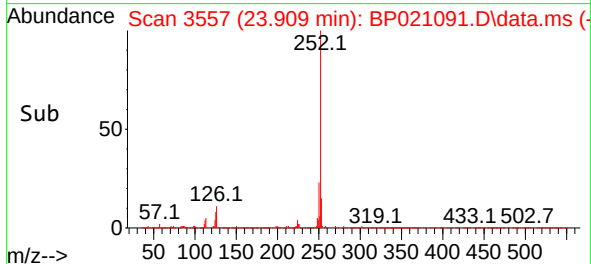
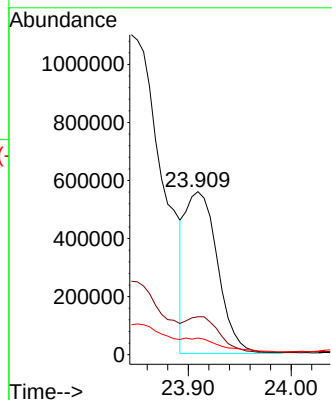
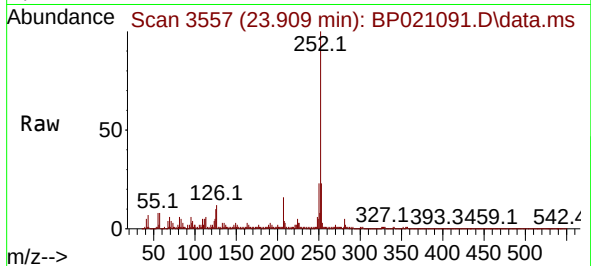
#91
Benzo(k)fluoranthene
Concen: 14.198 ng/ul m
RT: 23.909 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

Instrument :
BNA_P
ClientSampleId :
A4C04

Tgt Ion:252 Resp: 1210590
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 10.2 7.4 11.0

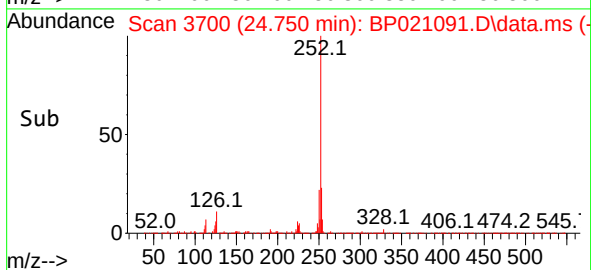
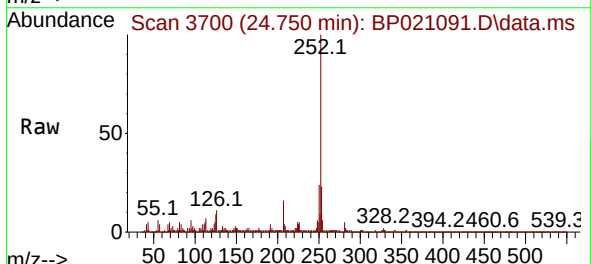
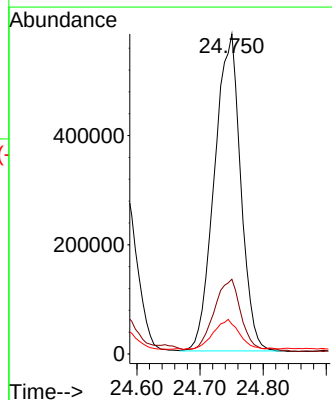
Manual Integrations
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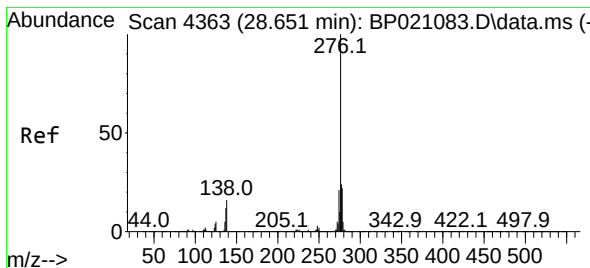
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#93
Benzo(a)pyrene
Concen: 20.684 ng/ul
RT: 24.750 min Scan# 3700
Delta R.T. -0.012 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

Tgt Ion:252 Resp: 1669976
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 9.3 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 13.541 ng/ul

RT: 28.686 min Scan# 4369

Delta R.T. -0.018 min

Lab File: BP021091.D

Acq: 22 Jul 2024 16:56

Instrument :

BNA_P

ClientSampleId :

A4C04

Tgt Ion:276 Resp: 140878

Ion Ratio Lower Upper

276 100

138 19.4 14.3 21.5

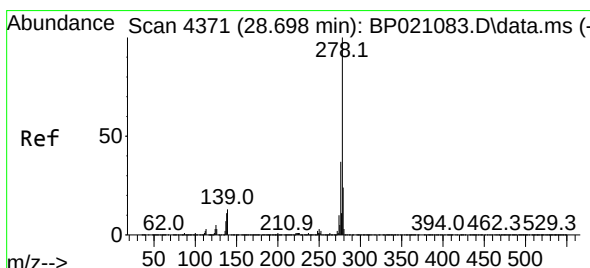
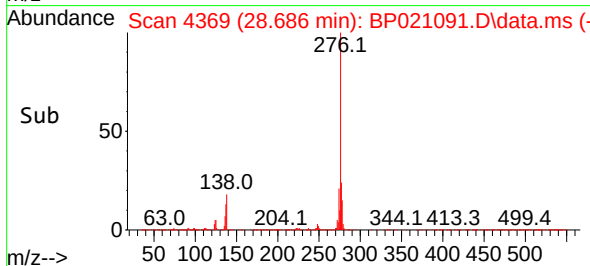
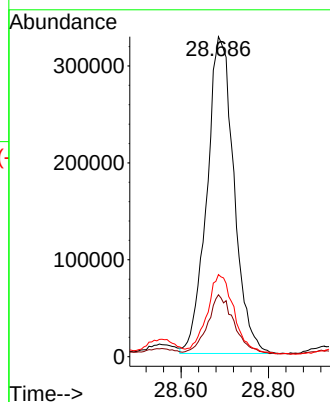
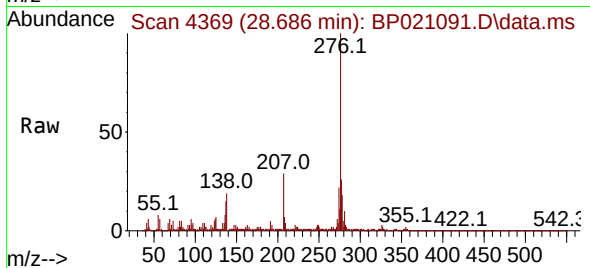
277 25.6 19.2 28.8

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: 5.601 ng/ul m

RT: 28.721 min Scan# 4375

Delta R.T. -0.018 min

Lab File: BP021091.D

Acq: 22 Jul 2024 16:56

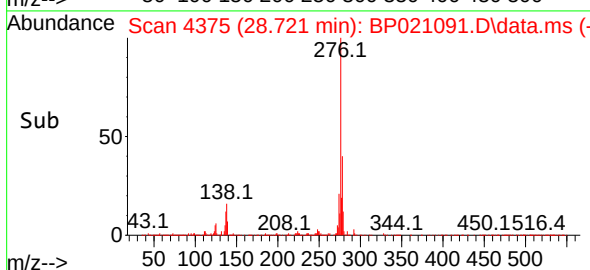
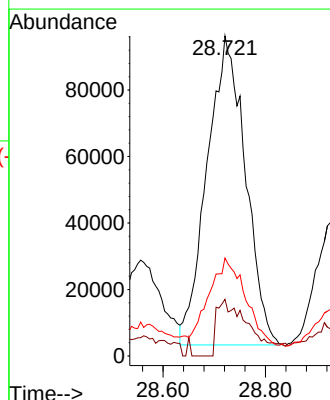
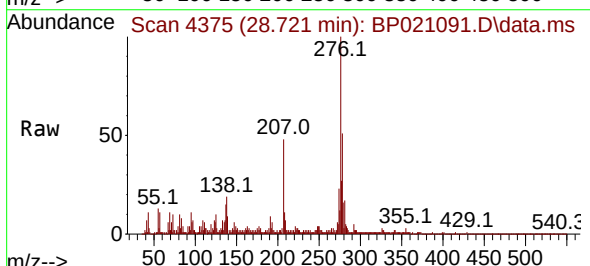
Tgt Ion:278 Resp: 482551

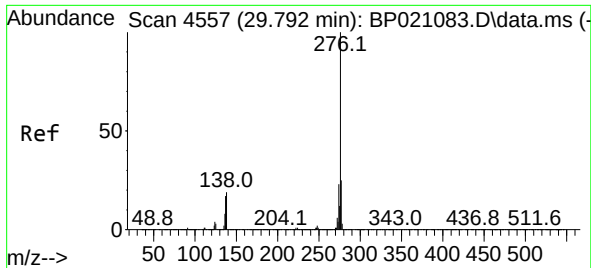
Ion Ratio Lower Upper

278 100

139 17.7 10.9 16.3#

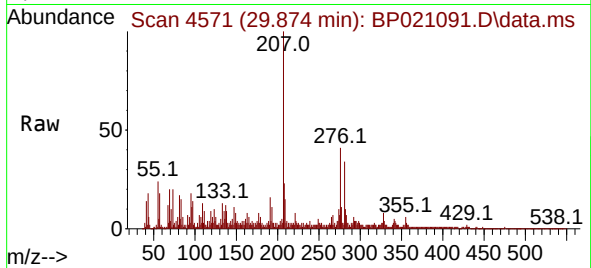
279 30.6 19.4 29.0#





#96
Benzo(g,h,i)perylene
Concen: 2.456 ng/ul m
RT: 29.874 min Scan# 4571
Delta R.T. 0.023 min
Lab File: BP021091.D
Acq: 22 Jul 2024 16:56

Instrument :
BNA_P
ClientSampleId :
A4C04



Tgt Ion: 276 Resp: 208134
Ion Ratio Lower Upper
276 100
138 21.5 15.3 22.9
277 27.7 18.2 27.2

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

