

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021090.D
 Acq On : 22 Jul 2024 16:12
 Operator : MA/JU
 Sample : P3238-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BE8

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 04:22:42 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	181619	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.440	136	750234	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.304	164	492619	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.122	188	1053223	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	1004400	20.000	ng/u1	-0.01
88) Perylene-d12	24.874	264	1211625	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	13907	3.485	ng/uL	0.00
4) Pyridine-d5	3.664	84	16720	1.447	ng/u1	0.00
7) Phenol-d5	6.899	99	321532	21.715	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	177222	19.750	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.234	132	267891	21.959	ng/u1	0.00
15) 4-Methylphenol-d8	8.405	113	260165	21.155	ng/u1	-0.01
21) Nitrobenzene-d5	8.828	128	127003	21.795	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.546	143	146844	22.017	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	272407	22.588	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.599	131	148054m	9.267	ng/u1	0.00
46) Dimethylphthalate-d6	13.716	166	811241	22.654	ng/u1	0.00
49) Acenaphthylene-d8	14.004	160	976241	24.278	ng/u1	0.00
54) 4-Nitrophenol-d4	14.592	143	101157	19.854	ng/u1	-0.01
60) Fluorene-d10	15.322	176	748839	25.489	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	47083	7.388	ng/u1	0.00
73) Anthracene-d10	17.228	188	1209489	25.855	ng/u1	0.00
81) Pyrene-d10	19.604	212	1277862	20.579	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.663	264	1077110	18.025	ng/u1	-0.02
Target Compounds						Qvalue
30) Naphthalene	10.487	128	104260	2.642	ng/u1	97
36) 2-Methylnaphthalene	12.104	142	41630	1.537	ng/u1	98
37) 1-Methylnaphthalene	12.316	142	31181	1.119	ng/u1	91
50) Acenaphthylene	14.028	152	77834	1.710	ng/u1	96
52) Acenaphthene	14.369	153	185220	6.130	ng/u1	97
56) Dibenzofuran	14.710	168	113883	2.752	ng/u1	98
61) Fluorene	15.375	166	203968	6.040	ng/u1	99
72) Phenanthrene	17.169	178	3945497	72.213	ng/u1	100
74) Anthracene	17.263	178	686299	12.321	ng/u1	99
77) Carbazole	17.551	167	320051	7.029	ng/u1	100
78) Di-n-butylphthalate	18.116	149	102342	1.629	ng/u1	97
80) Fluoranthene	19.257	202	5376019	71.690	ng/u1	99
82) Pyrene	19.639	202	4261530	55.845	ng/u1	98
85) Benzo(a)anthracene	21.545	228	2510311	35.679	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.457	149	313049	6.842	ng/u1	100
87) Chrysene	21.616	228	2588644	39.595	ng/u1	98
90) Benzo(b)fluoranthene	23.845	252	3318424	45.132	ng/u1	98
91) Benzo(k)fluoranthene	23.898	252	1059241	14.435	ng/u1	98
93) Benzo(a)pyrene	24.727	252	1336809	19.240	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.662	276	1202937	13.436	ng/u1	98
95) Dibenzo(a,h)anthracene	28.715	278	420983m	5.678	ng/u1	
96) Benzo(g,h,i)perylene	29.833	276	181599m	2.490	ng/u1	

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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)

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

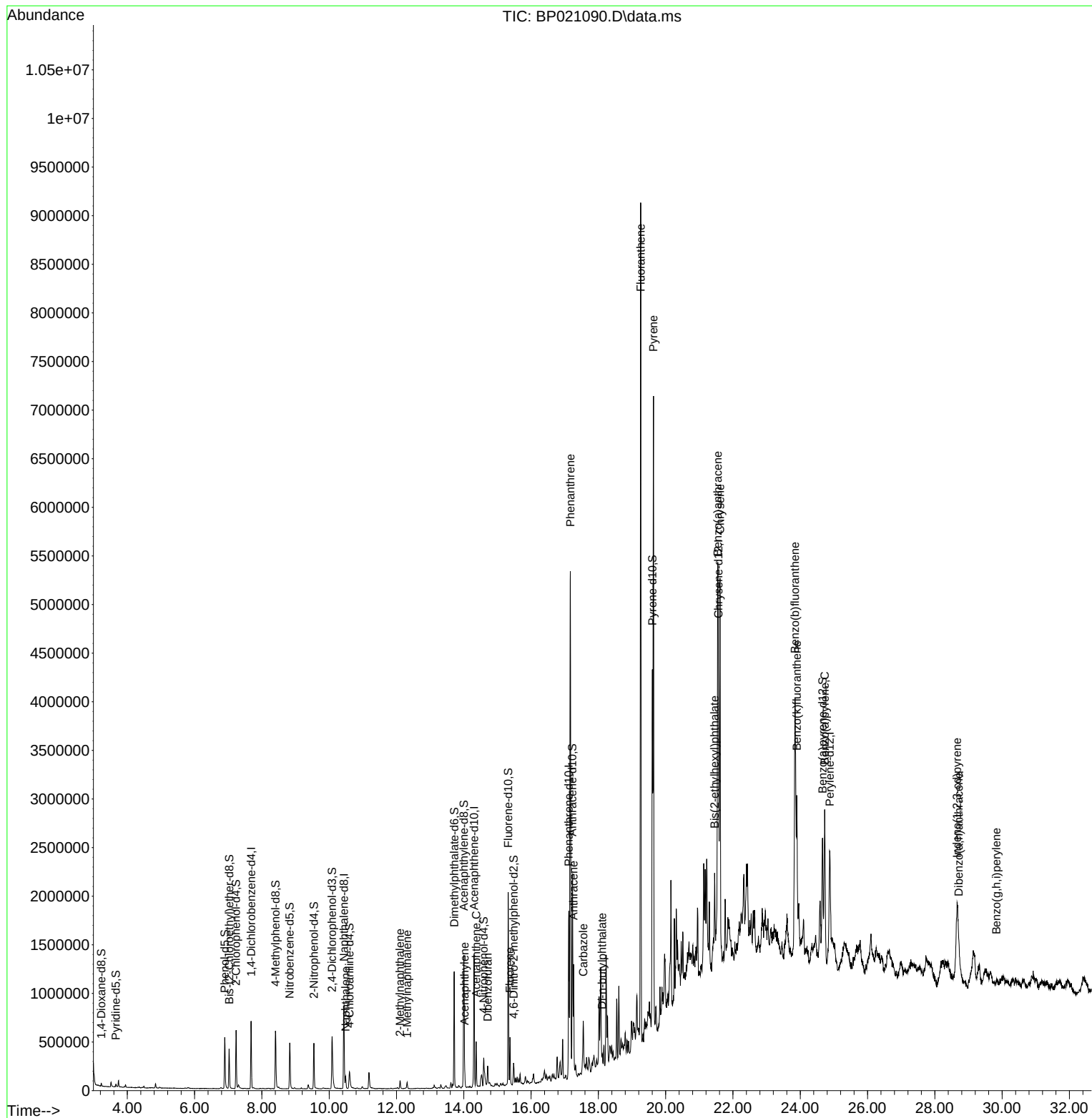
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021090.D
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Operator : MA/JU
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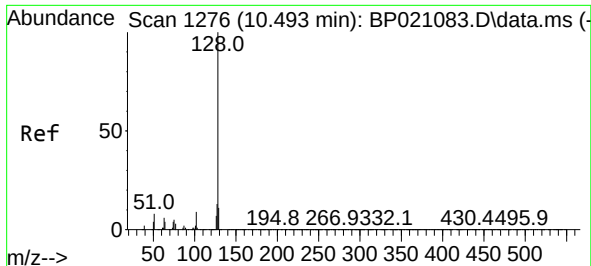
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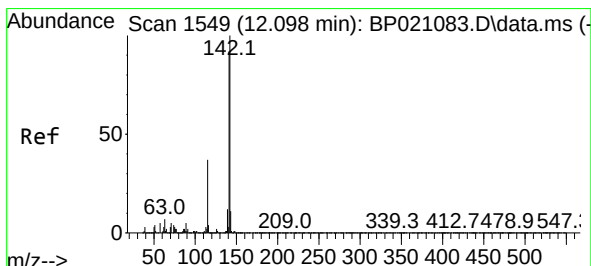
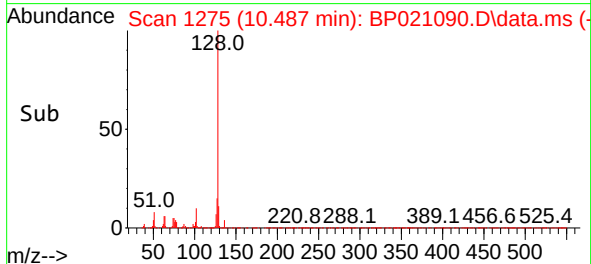
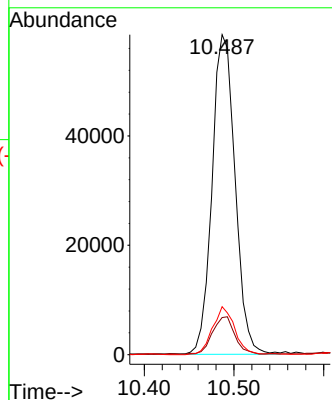
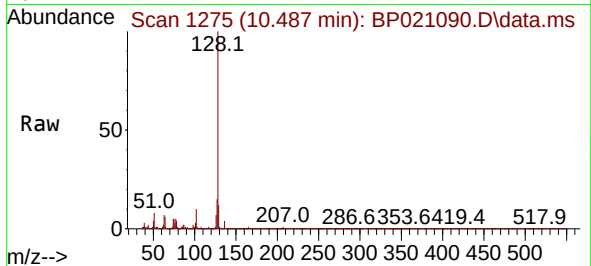
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Naphthalene
Concen: 2.642 ng/ul
RT: 10.487 min Scan# 1549
Delta R.T. -0.018 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:128 Resp: 104260
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 15.0 10.8 16.2

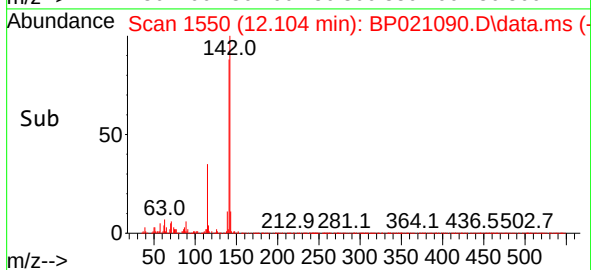
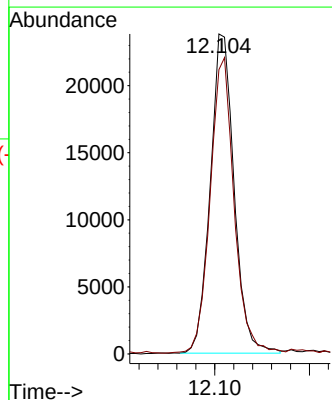
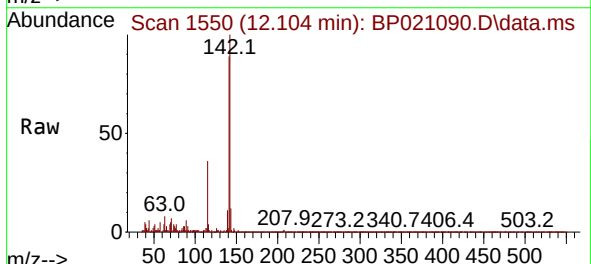
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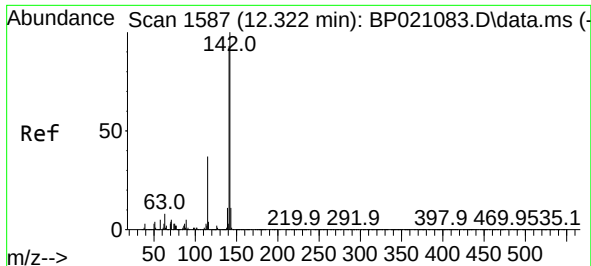
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#36
2-Methylnaphthalene
Concen: 1.537 ng/ul
RT: 12.104 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

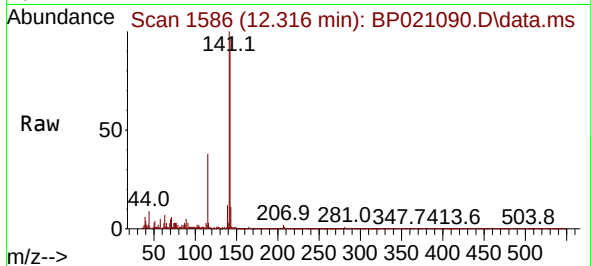
Tgt Ion:142 Resp: 41630
Ion Ratio Lower Upper
142 100
141 88.8 72.6 108.8





#37
1-Methylnaphthalene
Concen: 1.119 ng/ul
RT: 12.316 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

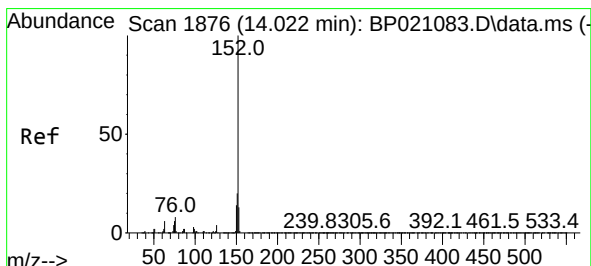
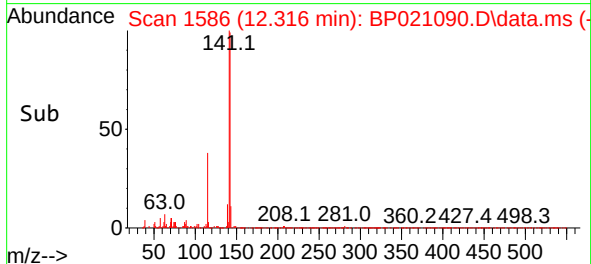
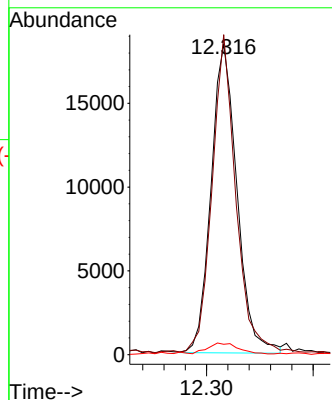
Instrument :
BNA_P
ClientSampleId :
A4BE8



Tgt Ion:142 Resp: 3118
Ion Ratio Lower Upper
142 100
141 103.0 75.0 112.6
116 3.3 3.2 4.8

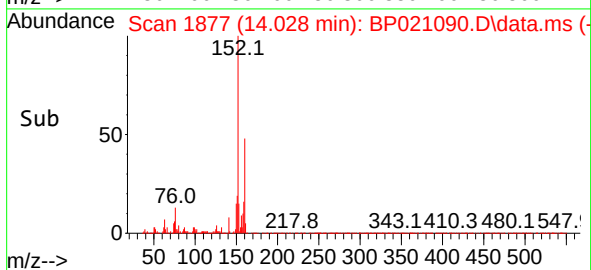
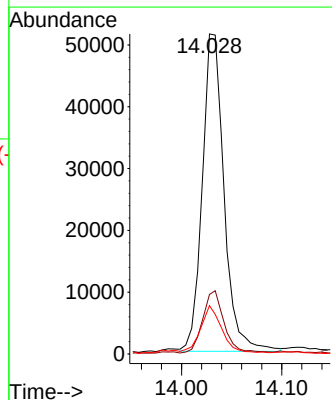
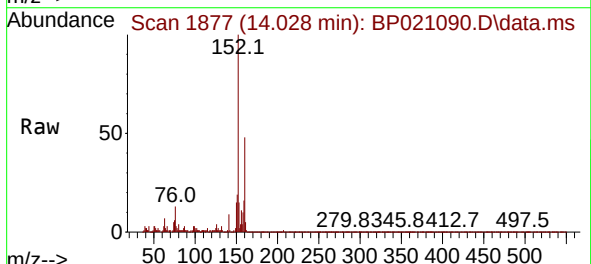
Manual Integrations
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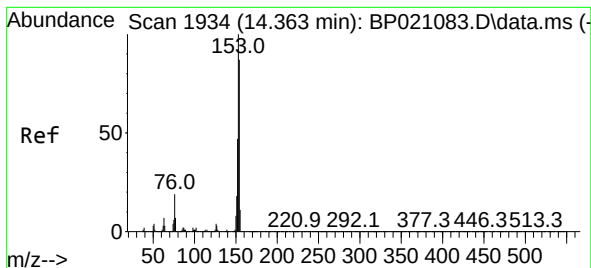
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#50
Acenaphthylene
Concen: 1.710 ng/ul
RT: 14.028 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

Tgt Ion:152 Resp: 77834
Ion Ratio Lower Upper
152 100
151 18.6 16.2 24.2
153 15.1 10.3 15.5





#52

Acenaphthene

Concen: 6.130 ng/ul

RT: 14.369 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BP021090.D

Acq: 22 Jul 2024 16:12

Instrument :

BNA_P

ClientSampleId :

A4BE8

Tgt Ion:153 Resp: 185220

Ion Ratio Lower Upper

153 100

152 45.8 37.8 56.6

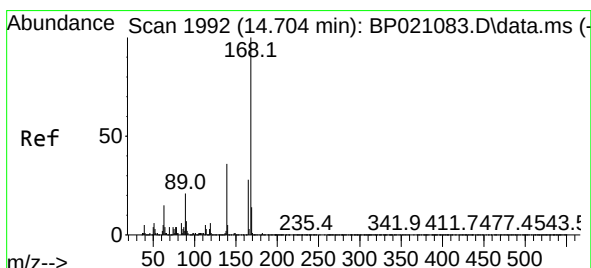
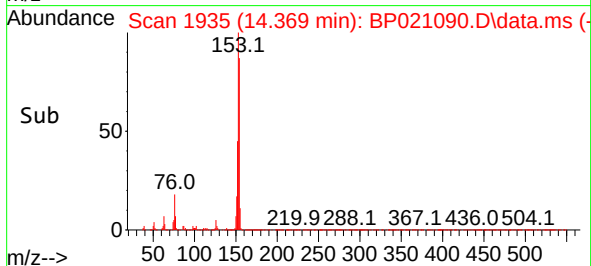
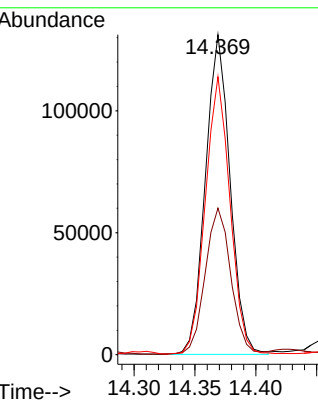
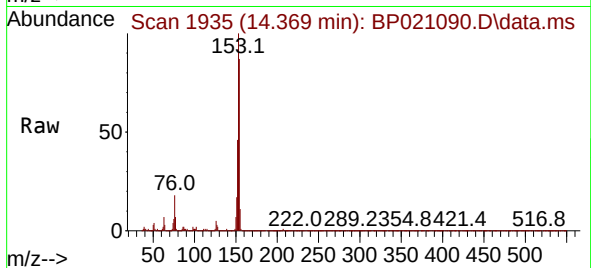
154 86.8 71.8 107.6

Manual Integrations

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#56

Dibenzofuran

Concen: 2.752 ng/ul

RT: 14.710 min Scan# 1993

Delta R.T. -0.006 min

Lab File: BP021090.D

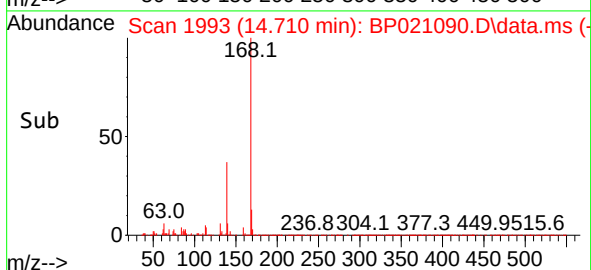
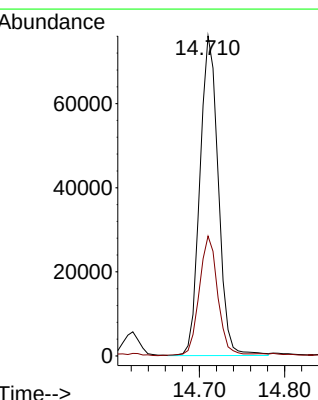
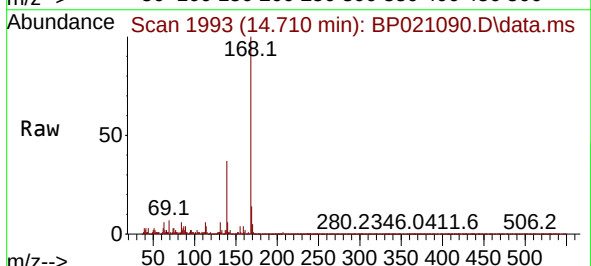
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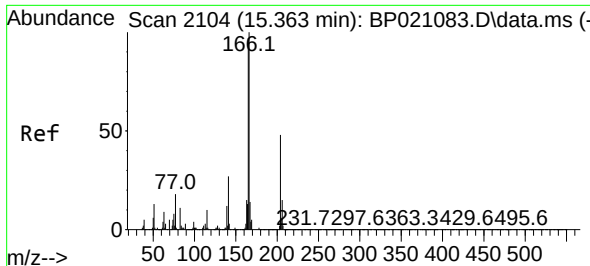
Tgt Ion:168 Resp: 113883

Ion Ratio Lower Upper

168 100

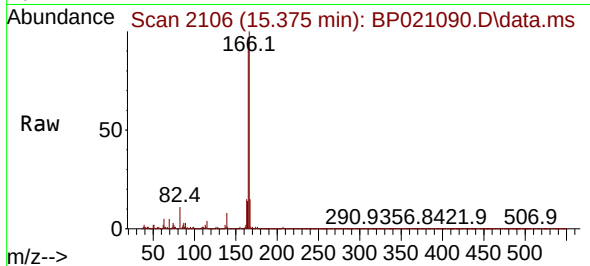
139 37.4 31.1 46.7





#61
Fluorene
Concen: 6.040 ng/ul
RT: 15.375 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

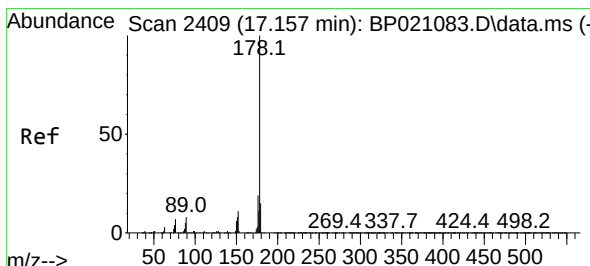
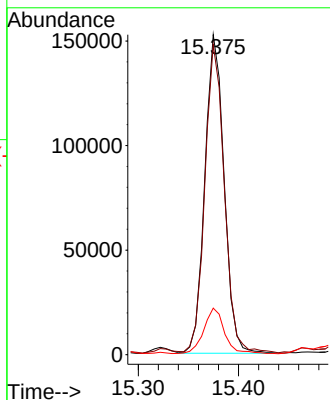
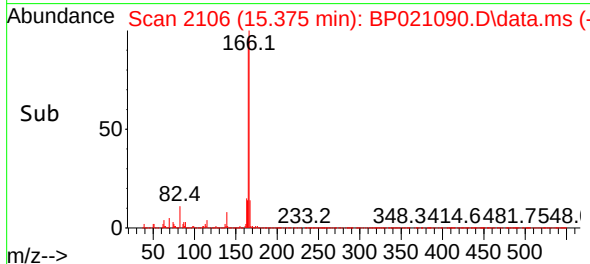
Instrument :
BNA_P
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Tgt Ion:166 Resp: 203968
Ion Ratio Lower Upper
166 100
165 96.9 78.1 117.1
167 14.6 10.9 16.3

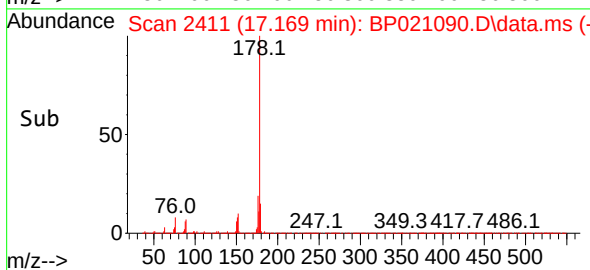
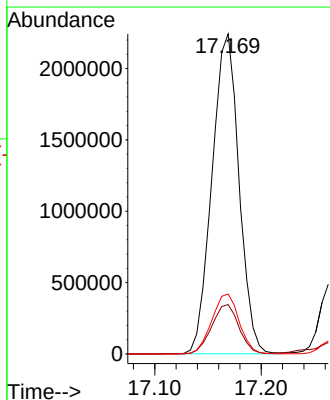
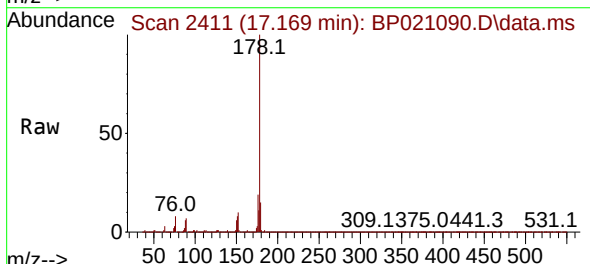
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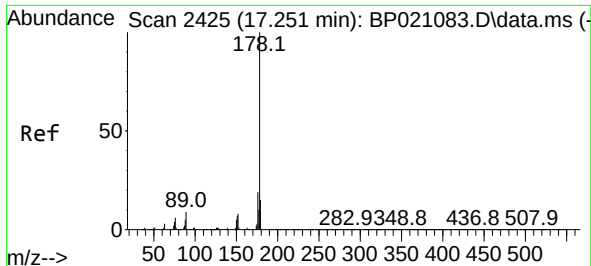
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#72
Phenanthrene
Concen: 72.213 ng/ul
RT: 17.169 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

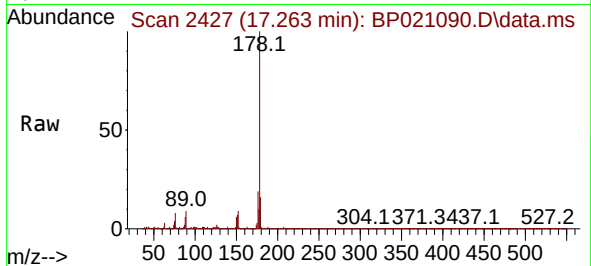
Tgt Ion:178 Resp: 3945497
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 18.8 15.0 22.4





#74
 Anthracene
 Concen: 12.321 ng/ul
 RT: 17.263 min Scan# 2425
 Delta R.T. 0.000 min
 Lab File: BP021090.D
 Acq: 22 Jul 2024 16:12

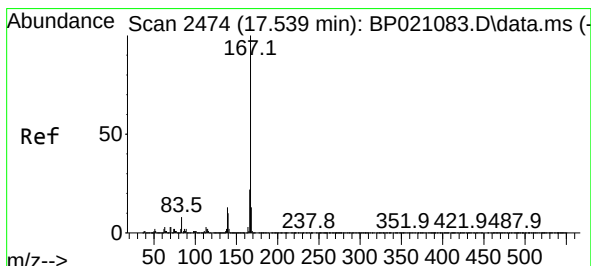
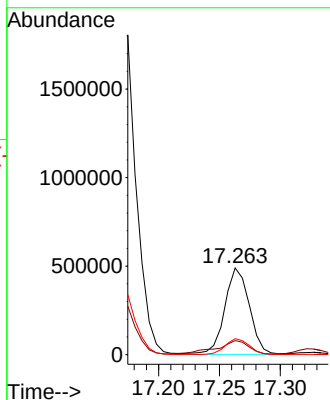
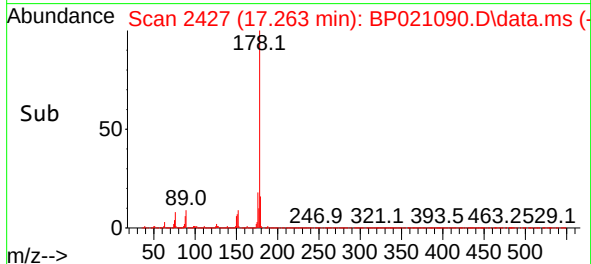
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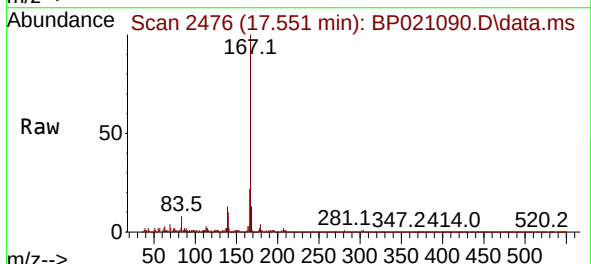
Tgt Ion:178 Resp: 686299
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.5 18.7
 176 18.5 14.8 22.2

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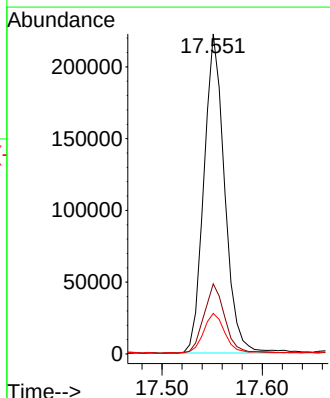
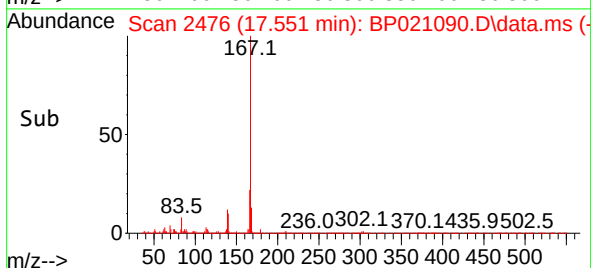
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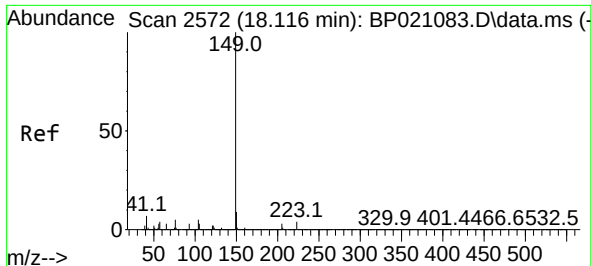


#77
 Carbazole
 Concen: 7.029 ng/ul
 RT: 17.551 min Scan# 2476
 Delta R.T. -0.012 min
 Lab File: BP021090.D
 Acq: 22 Jul 2024 16:12



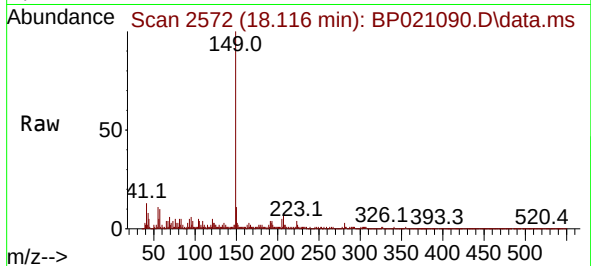
Tgt Ion:167 Resp: 320051
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.3 25.9
 139 12.7 10.2 15.2





#78
Di-n-butylphthalate
Concen: 1.629 ng/ul
RT: 18.116 min Scan# 2572
Delta R.T. -0.006 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

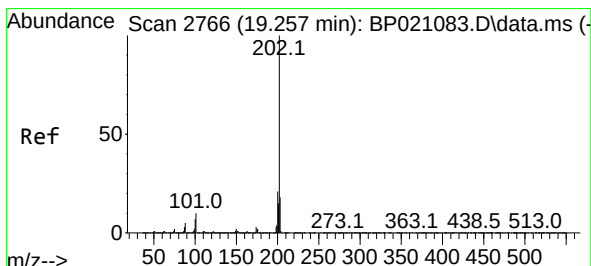
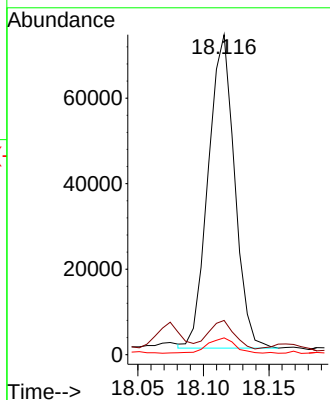
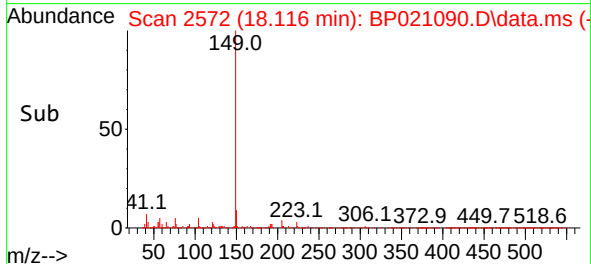
Instrument : BNA_P
ClientSampleId : A4BE8



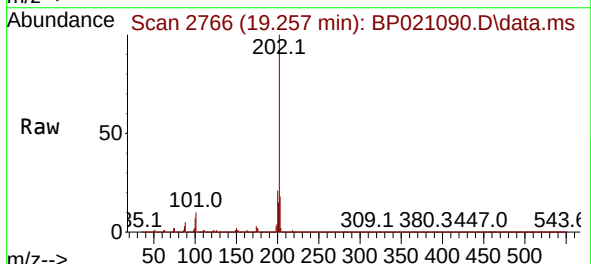
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Ion Ratio Lower Upper
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104 5.3 3.9 5.9

Manual Integrations
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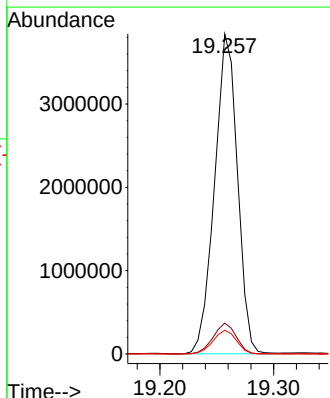
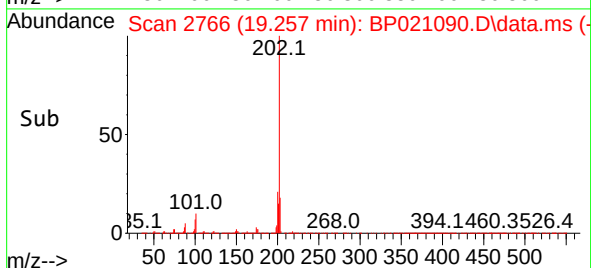
Reviewed By :Yogesh Patel 07/23/2024
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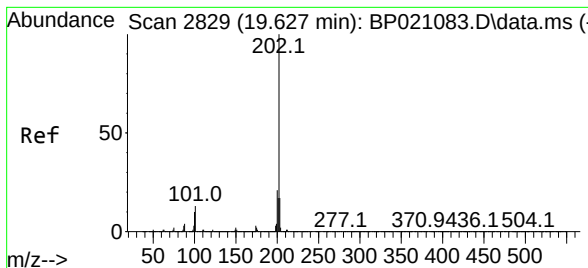


#80
Fluoranthene
Concen: 71.690 ng/ul
RT: 19.257 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12



Tgt Ion:202 Resp: 5376019
Ion Ratio Lower Upper
202 100
101 9.7 8.0 12.0
100 7.4 6.1 9.1





#82

Pyrene

Concen: 55.845 ng/ul

RT: 19.639 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BP021090.D

Acq: 22 Jul 2024 16:12

Instrument :

BNA_P

ClientSampleId :

A4BE8

Tgt Ion:202 Resp: 4261530

Ion Ratio Lower Upper

202 100

101 11.1 9.4 14.2

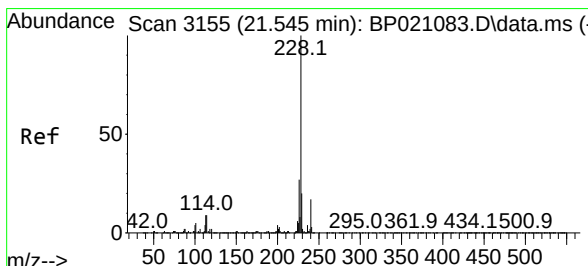
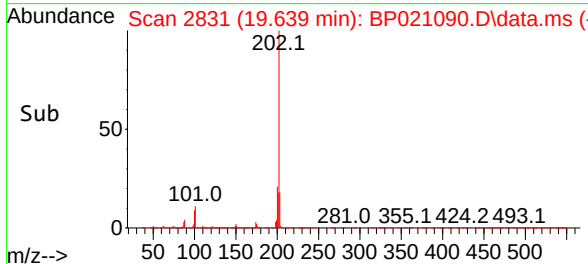
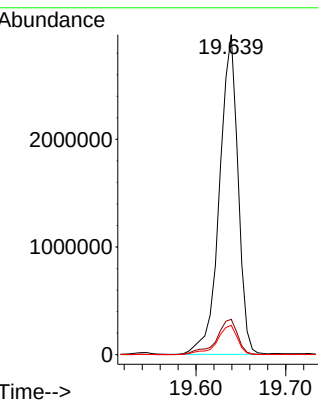
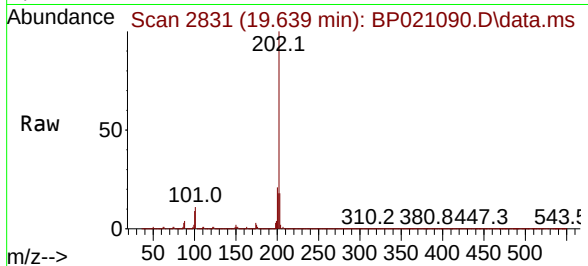
100 9.2 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#85

Benzo(a)anthracene

Concen: 35.679 ng/ul

RT: 21.545 min Scan# 3155

Delta R.T. -0.018 min

Lab File: BP021090.D

Acq: 22 Jul 2024 16:12

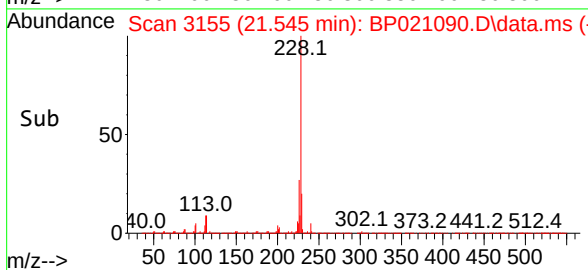
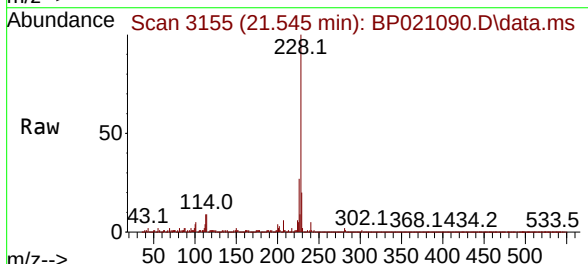
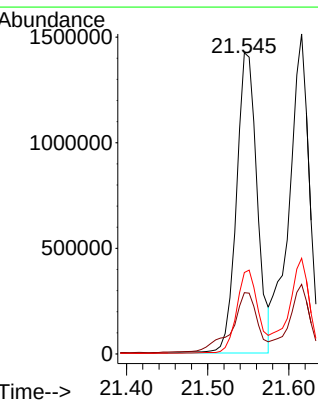
Tgt Ion:228 Resp: 2510311

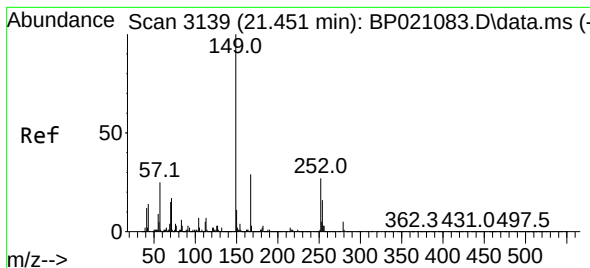
Ion Ratio Lower Upper

228 100

229 20.3 15.5 23.3

226 27.0 21.4 32.2





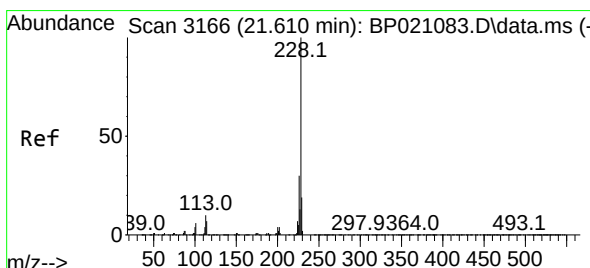
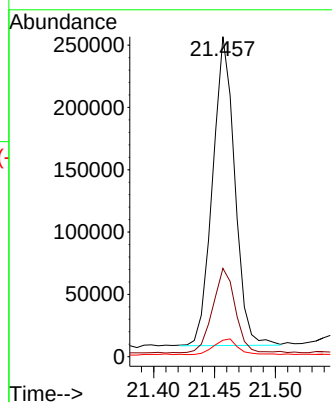
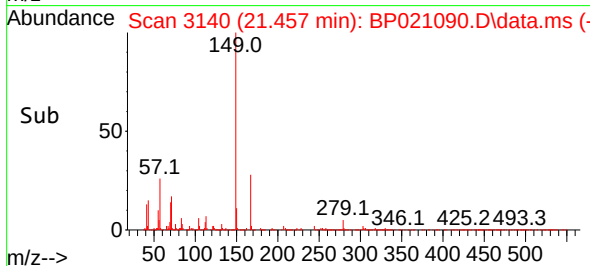
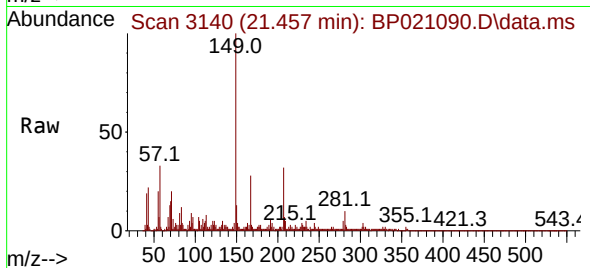
#86
Bis(2-ethylhexyl)phthalate
Concen: 6.842 ng/ul
RT: 21.457 min Scan# 3139
Delta R.T. -0.012 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

Instrument :
BNA_P
ClientSampleId :
A4BE8

Tgt Ion:149 Resp: 313049
Ion Ratio Lower Upper
149 100
167 27.6 22.1 33.1
279 5.1 3.7 5.5

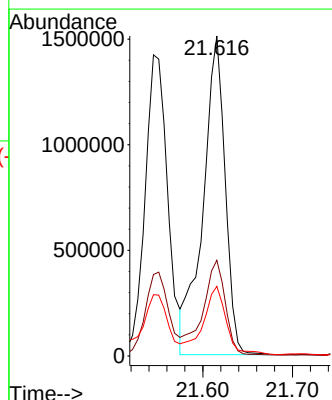
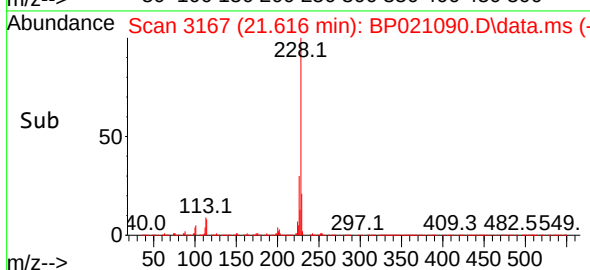
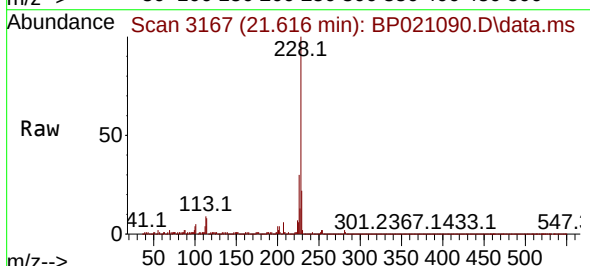
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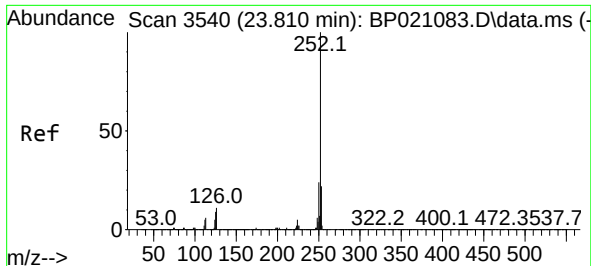
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#87
Chrysene
Concen: 39.595 ng/ul
RT: 21.616 min Scan# 3167
Delta R.T. -0.012 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

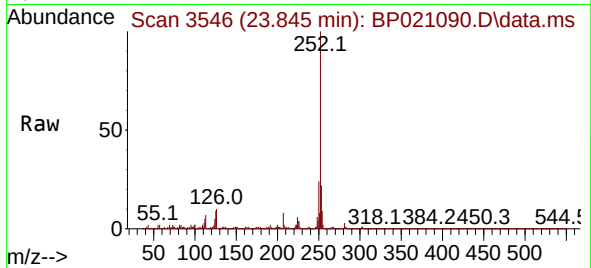
Tgt Ion:228 Resp: 2588644
Ion Ratio Lower Upper
228 100
226 29.9 23.6 35.4
229 21.7 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 45.132 ng/ul
RT: 23.845 min Scan# 3540
Delta R.T. -0.006 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

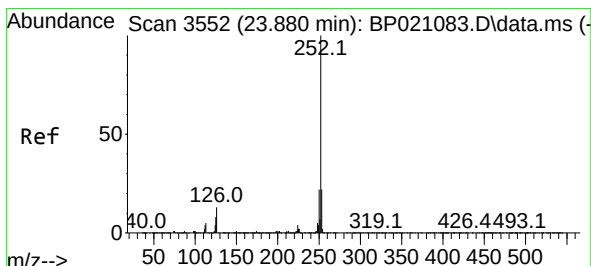
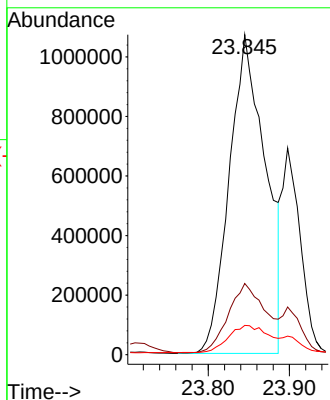
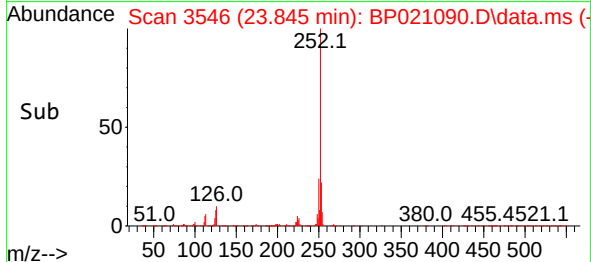
Instrument :
BNA_P
ClientSampleId :
A4BE8



Tgt Ion:252 Resp: 3318424
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 9.2 7.0 10.4

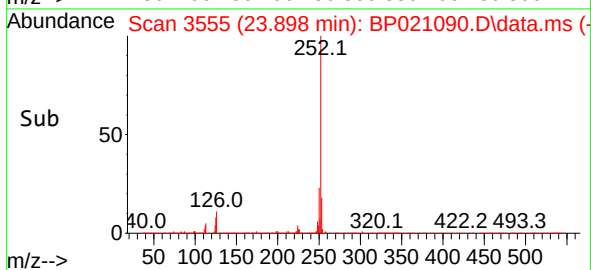
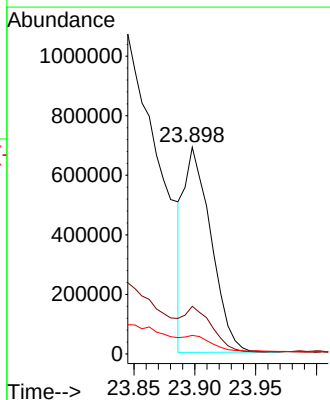
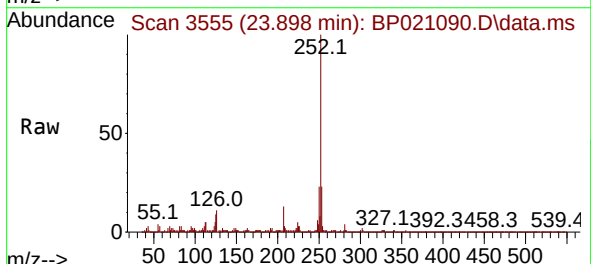
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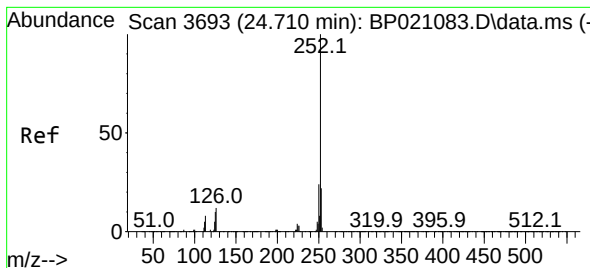
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#91
Benzo(k)fluoranthene
Concen: 14.435 ng/ul
RT: 23.898 min Scan# 3555
Delta R.T. -0.023 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

Tgt Ion:252 Resp: 1059241
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.0 7.4 11.0





#93

Benzo(a)pyrene

Concen: 19.240 ng/ul

RT: 24.727 min Scan# 3696

Delta R.T. -0.035 min

Lab File: BP021090.D

Acq: 22 Jul 2024 16:12

Instrument :

BNA_P

ClientSampleId :

A4BE8

Tgt Ion:252 Resp: 1336809

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

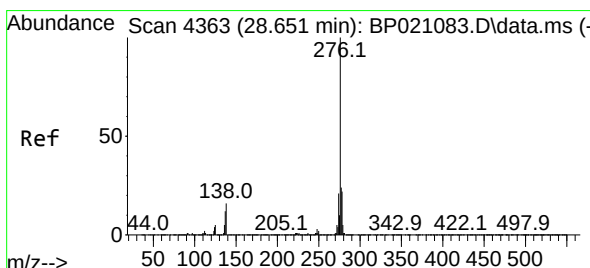
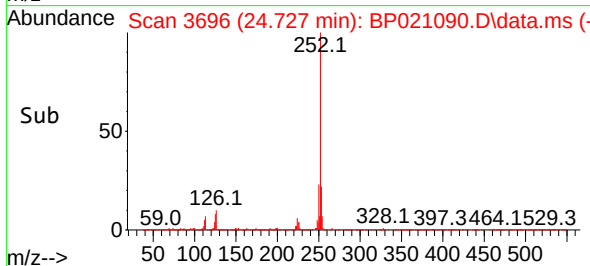
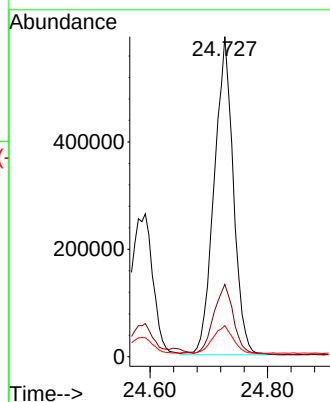
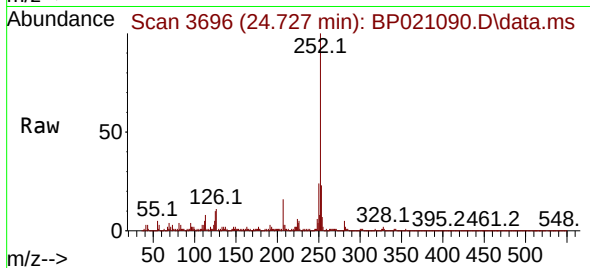
125 9.7 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 13.436 ng/ul

RT: 28.662 min Scan# 4365

Delta R.T. -0.041 min

Lab File: BP021090.D

Acq: 22 Jul 2024 16:12

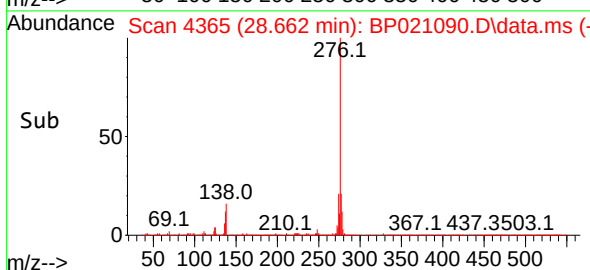
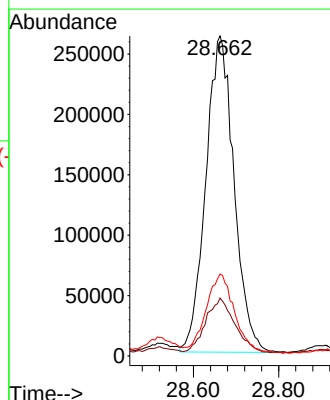
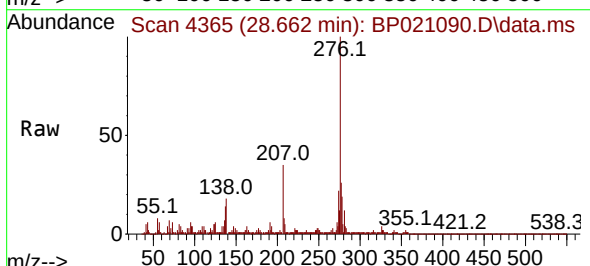
Tgt Ion:276 Resp: 1202937

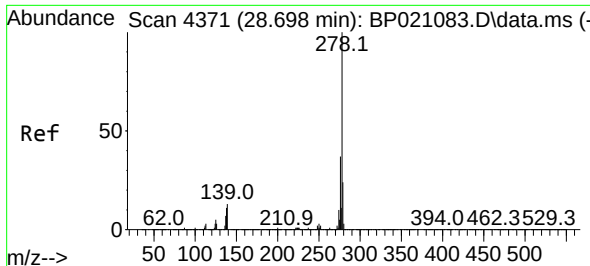
Ion Ratio Lower Upper

276 100

138 18.1 14.3 21.5

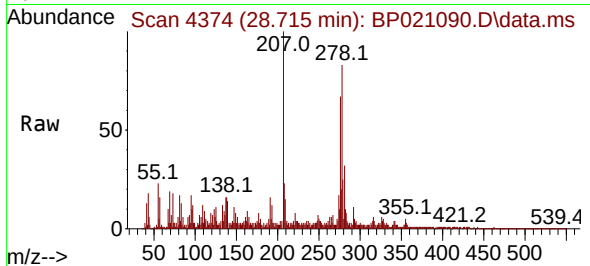
277 25.6 19.2 28.8





#95
Dibenzo(a,h)anthracene
Concen: 5.678 ng/ul m
RT: 28.715 min Scan# 41
Delta R.T. -0.023 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

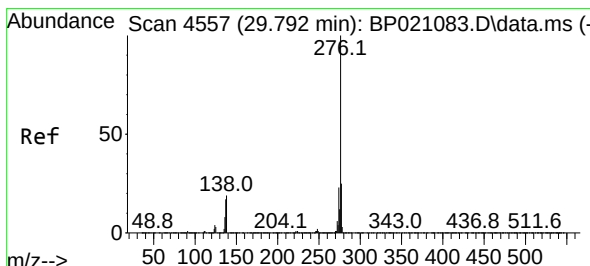
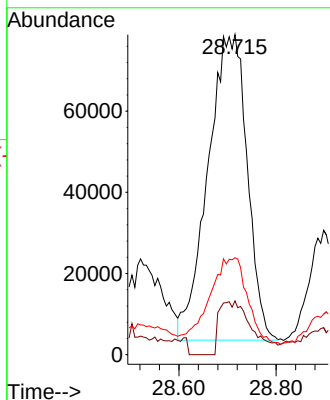
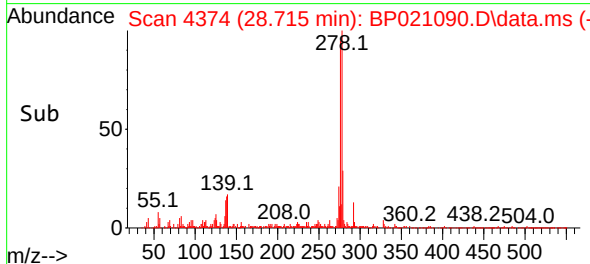
Instrument :
BNA_P
ClientSampleId :
A4BE8



Tgt Ion:278 Resp: 42098
Ion Ratio Lower Upper
278 100
139 16.8 10.9 16.3
279 30.3 19.4 29.0

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 2.490 ng/ul m
RT: 29.833 min Scan# 4564
Delta R.T. -0.018 min
Lab File: BP021090.D
Acq: 22 Jul 2024 16:12

Tgt Ion:276 Resp: 181599
Ion Ratio Lower Upper
276 100
138 21.2 15.3 22.9
277 28.3 18.2 27.2

