

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021034.D
 Acq On : 18 Jul 2024 03:36
 Operator : MA/JU
 Sample : P3215-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C08

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 18 04:07:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 15 12:22:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	193398	20.000	ng/u1	0.00
20) Naphthalene-d8	10.439	136	814035	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.292	164	571714	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.121	188	1199086	20.000	ng/u1	0.00
79) Chrysene-d12	21.568	240	1053490	20.000	ng/u1	0.02
88) Perylene-d12	24.874	264	1268675	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	12659m	2.979	ng/uL	0.00
4) Pyridine-d5	3.669	84	36079	2.932	ng/u1	0.02
7) Phenol-d5	6.898	99	328948	20.863	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	201845	21.124	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	280524	21.594	ng/u1	0.00
15) 4-Methylphenol-d8	8.410	113	138570	10.582	ng/u1	0.02
21) Nitrobenzene-d5	8.845	128	143291	22.663	ng/u1	0.02
24) 2-Nitrophenol-d4	9.545	143	169877	23.474	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.092	165	282893	21.619	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	60060m	3.465	ng/u1	0.02
46) Dimethylphthalate-d6	13.716	166	973277	23.418	ng/u1	0.00
49) Acenaphthylene-d8	13.986	160	1073351	23.000	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.586	143	136577	23.097	ng/u1	0.02
60) Fluorene-d10	15.316	176	829110	24.317	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	117075	16.137	ng/u1	0.00
73) Anthracene-d10	17.215	188	1245326	23.383	ng/u1	0.00
81) Pyrene-d10	19.604	212	1045821	16.057	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.656	264	686706	10.975	ng/u1	0.05
Target Compounds					Qvalue	
30) Naphthalene	10.486	128	95022	2.219	ng/u1	99
36) 2-Methylnaphthalene	12.098	142	42055	1.431	ng/u1	95
37) 1-Methylnaphthalene	12.322	142	35432	1.172	ng/u1	99
50) Acenaphthylene	14.022	152	145863	2.761	ng/u1	99
52) Acenaphthene	14.363	153	178827	5.099	ng/u1	99
56) Dibenzofuran	14.710	168	156427	3.257	ng/u1	100
61) Fluorene	15.380	166	202135	5.158	ng/u1	100
72) Phenanthrene	17.163	178	3767977	60.575	ng/u1	99
74) Anthracene	17.251	178	772646	12.184	ng/u1	99
77) Carbazole	17.551	167	338160	6.523	ng/u1	98
78) Di-n-butylphthalate	18.115	149	257446	3.600	ng/u1	99
80) Fluoranthene	19.262	202	6002994	76.320	ng/u1	99
82) Pyrene	19.639	202	3568573	44.585	ng/u1	100
83) Butylbenzylphthalate	20.586	149	54513	1.635	ng/u1#	92
85) Benzo(a)anthracene	21.551	228	2952075	40.002	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.468	149	340588	7.097	ng/u1	100
87) Chrysene	21.621	228	2882524	42.035	ng/u1	97
90) Benzo(b)fluoranthene	23.839	252	3738142	48.554	ng/u1	98
91) Benzo(k)fluoranthene	23.886	252	1351670	17.592	ng/u1	97
93) Benzo(a)pyrene	24.721	252	1020433	14.026	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.633	276	1098381	11.716	ng/u1	97
95) Dibenzo(a,h)anthracene	28.691	278	484893m	6.246	ng/u1	
96) Benzo(g,h,i)perylene	29.815	276	144434m	1.892	ng/u1	

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021034.D
Acq On : 18 Jul 2024 03:36
Operator : MA/JU
Sample : P3215-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C08

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 18 04:07:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 15 12:22:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

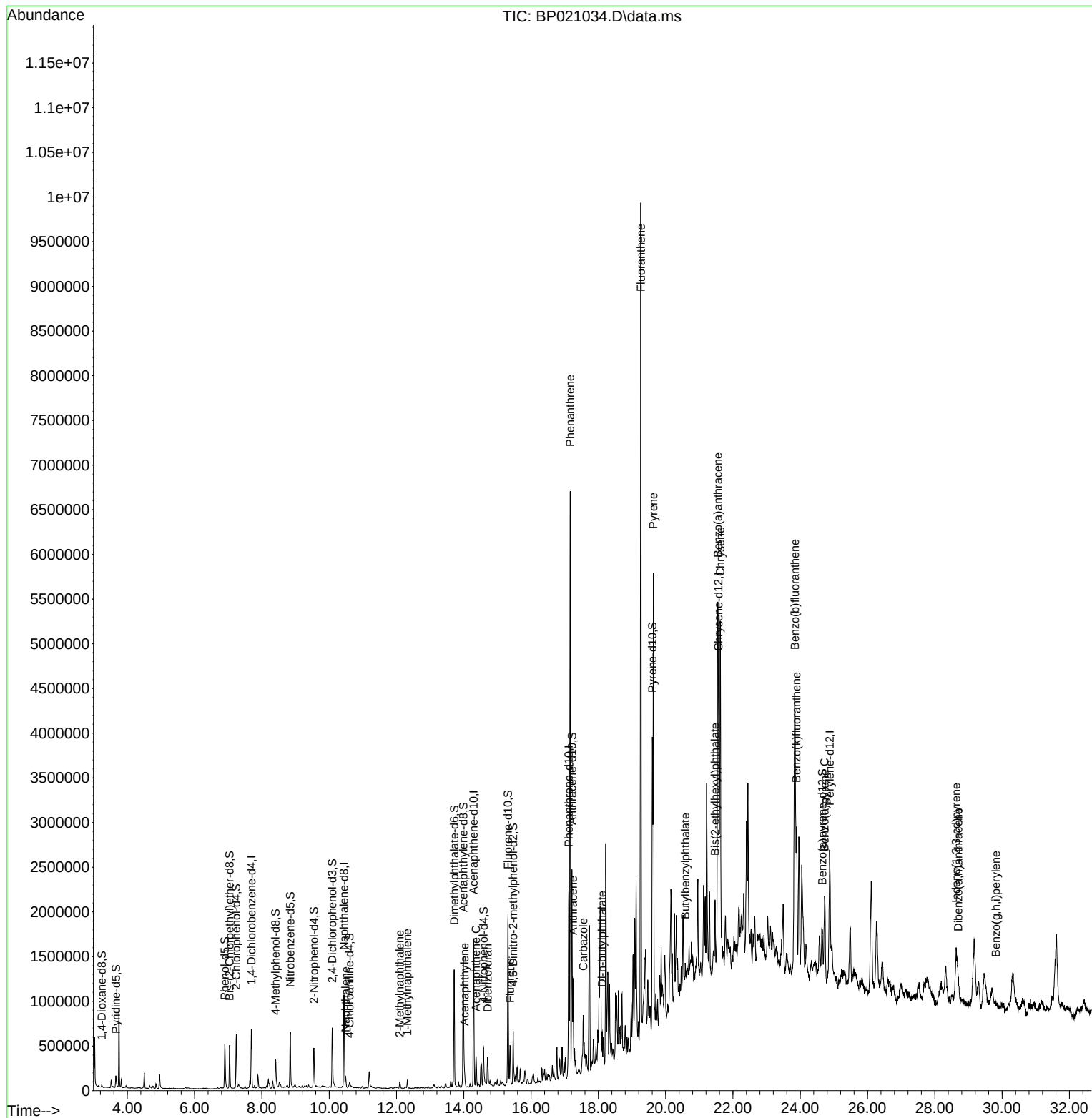
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021034.D
Acq On : 18 Jul 2024 03:36
Operator : MA/JU
Sample : P3215-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

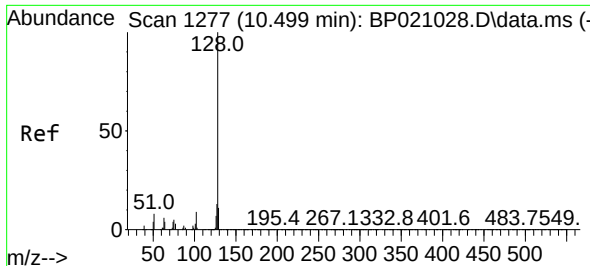
Instrument :
BNA_P
ClientSampleId :
A4C08

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

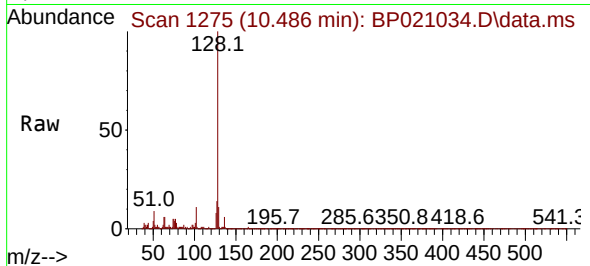
Quant Time: Jul 18 04:07:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 15 12:22:22 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 2.219 ng/ul
RT: 10.486 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36

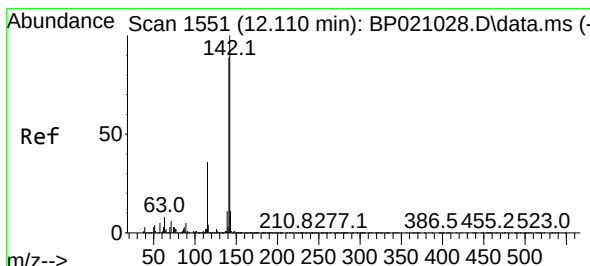
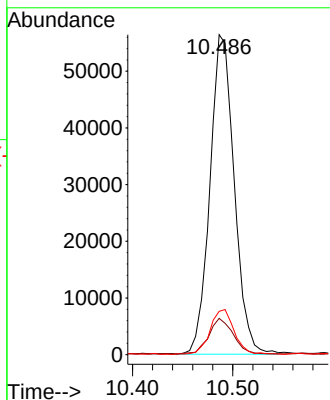
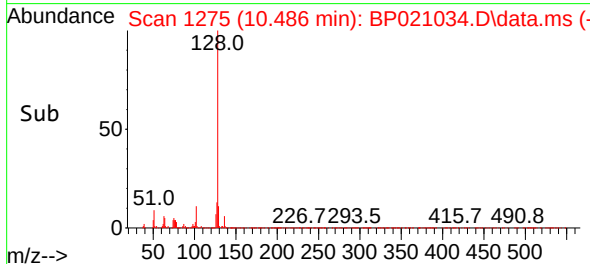
Instrument :
BNA_P
ClientSampleId :
A4C08



Tgt Ion:128 Resp: 9502
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.5 10.8 16.2

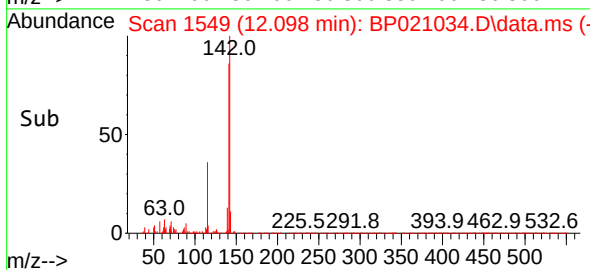
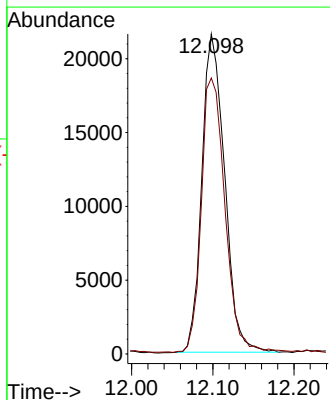
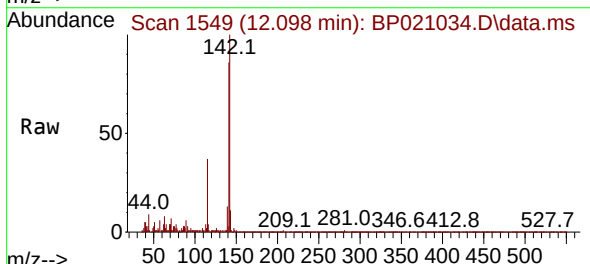
Manual Integrations
APPROVED

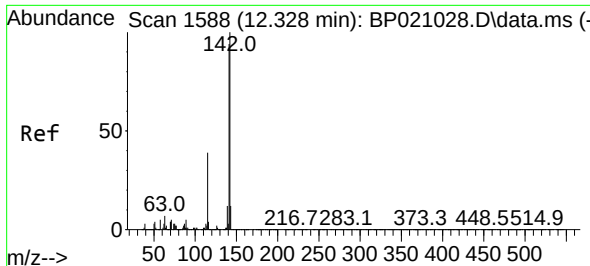
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#36
2-Methylnaphthalene
Concen: 1.431 ng/ul
RT: 12.098 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36

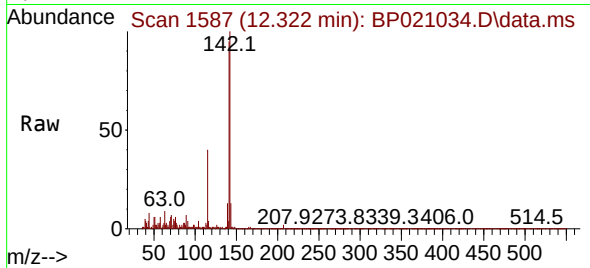
Tgt Ion:142 Resp: 42055
Ion Ratio Lower Upper
142 100
141 86.3 72.6 108.8





#37
1-Methylnaphthalene
Concen: 1.172 ng/ul
RT: 12.322 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36

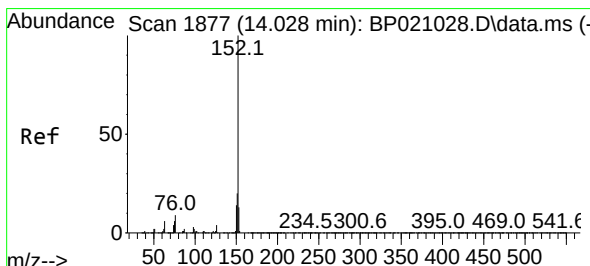
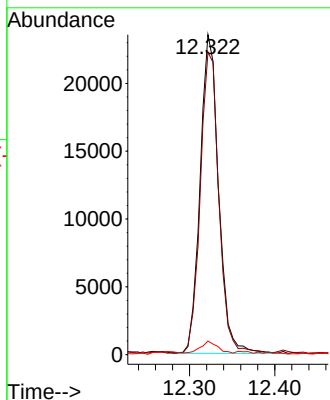
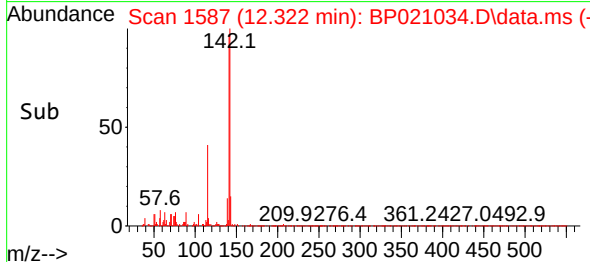
Instrument :
BNA_P
ClientSampleId :
A4C08



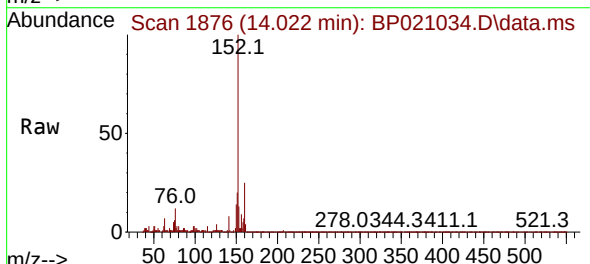
Tgt Ion:142 Resp: 35432
Ion Ratio Lower Upper
142 100
141 94.6 75.0 112.6
116 4.2 3.2 4.8

Manual Integrations
APPROVED

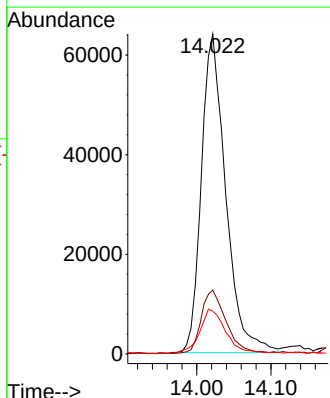
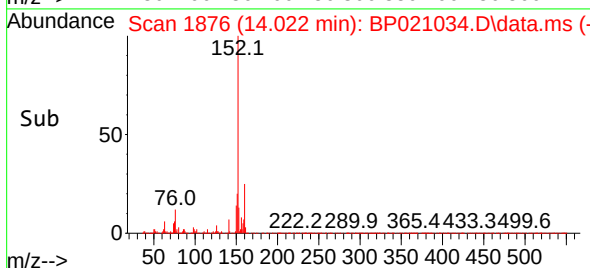
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

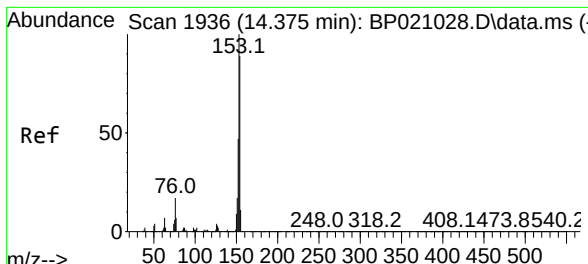


#50
Acenaphthylene
Concen: 2.761 ng/ul
RT: 14.022 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36



Tgt Ion:152 Resp: 145863
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.4 10.3 15.5





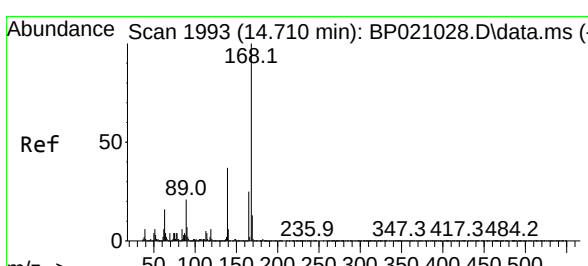
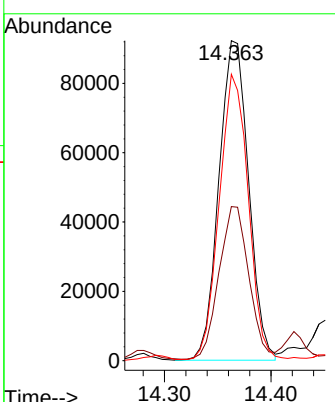
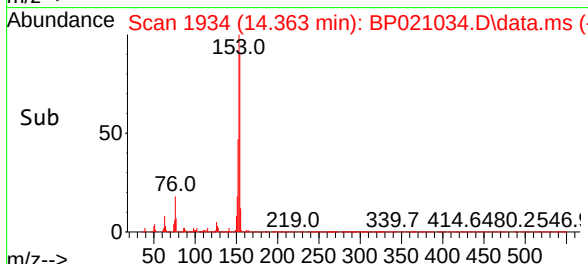
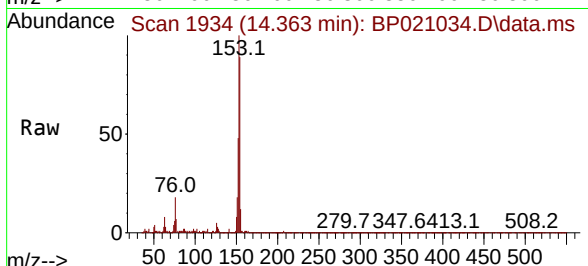
#52
 Acenaphthene
 Concen: 5.099 ng/ul
 RT: 14.363 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BP021034.D
 Acq: 18 Jul 2024 03:36

Instrument : BNA_P
 ClientSampleId : A4C08

Tgt Ion:153 Resp: 17882

Ion	Ratio	Lower	Upper
153	100		
152	48.2	37.8	56.6
154	89.5	71.8	107.6

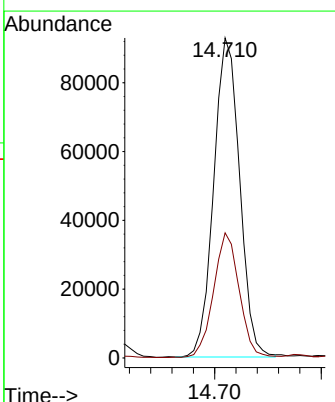
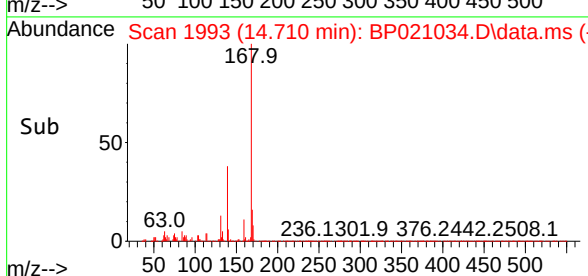
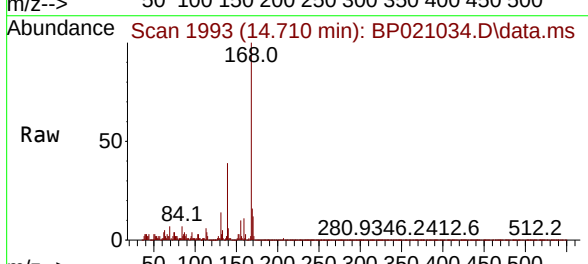
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

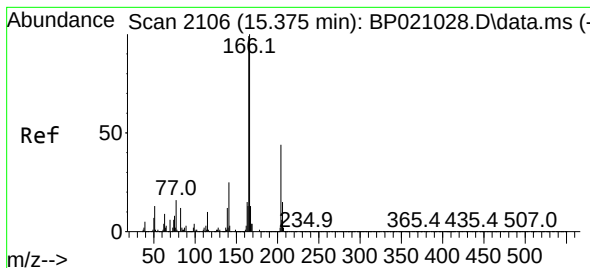


#56
 Dibenzofuran
 Concen: 3.257 ng/ul
 RT: 14.710 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: BP021034.D
 Acq: 18 Jul 2024 03:36

Tgt Ion:168 Resp: 156427

Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.1	46.7





#61

Fluorene

Concen: 5.158 ng/ul

RT: 15.380 min Scan# 2106

Delta R.T. 0.005 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

Instrument :

BNA_P

ClientSampleId :

A4C08

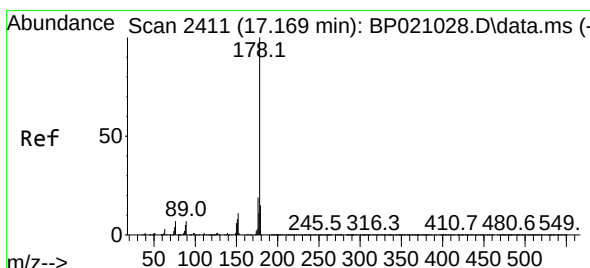
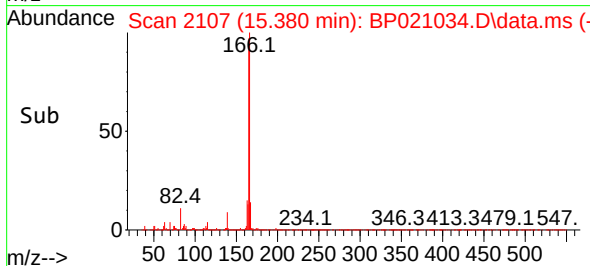
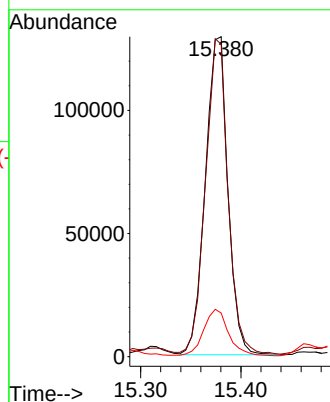
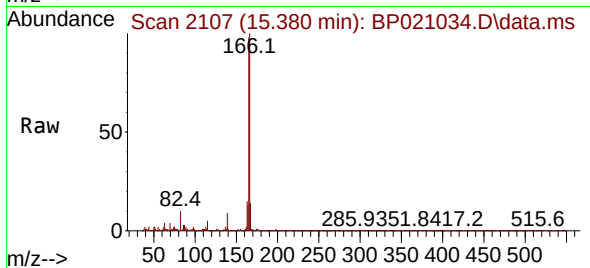
Tgt Ion:166	Resp: 20213
Ion Ratio	Lower Upper
166	100
165	97.7 78.1 117.1
167	13.6 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#72

Phenanthrene

Concen: 60.575 ng/ul

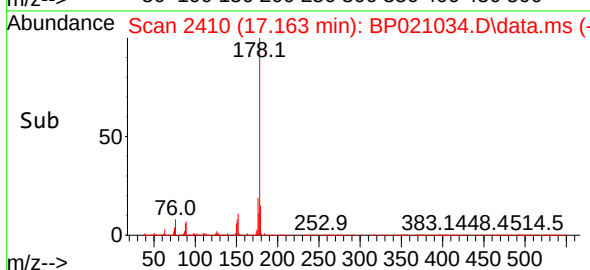
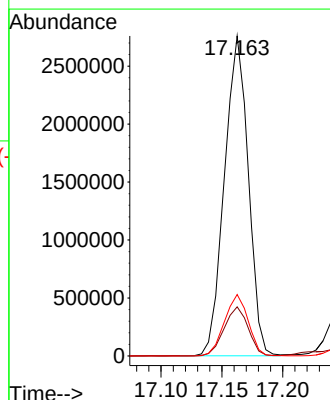
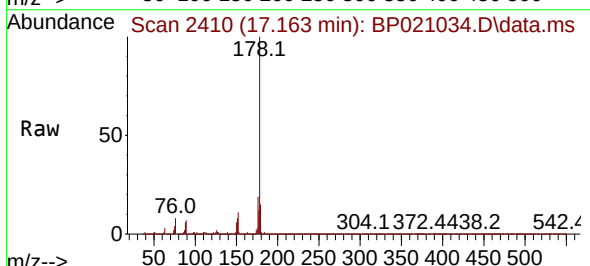
RT: 17.163 min Scan# 2410

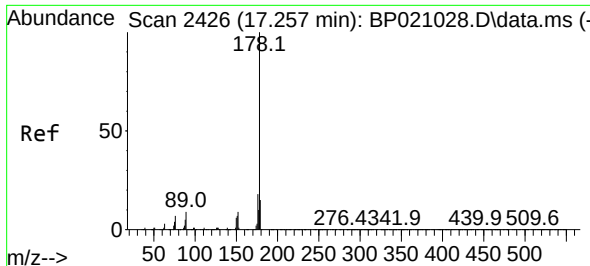
Delta R.T. -0.000 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

Tgt Ion:178	Resp: 3767977
Ion Ratio	Lower Upper
178	100
179	15.4 12.2 18.4
176	19.2 15.0 22.4





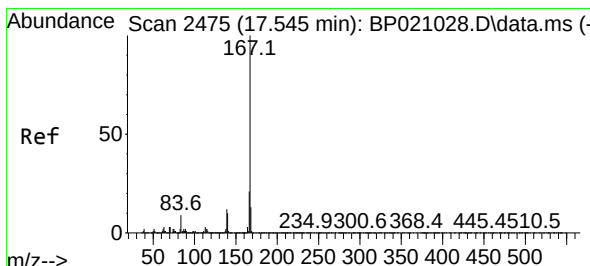
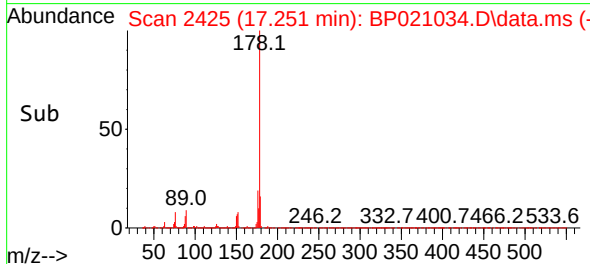
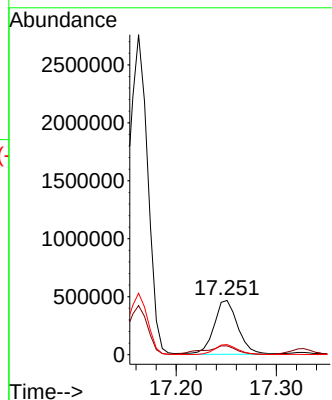
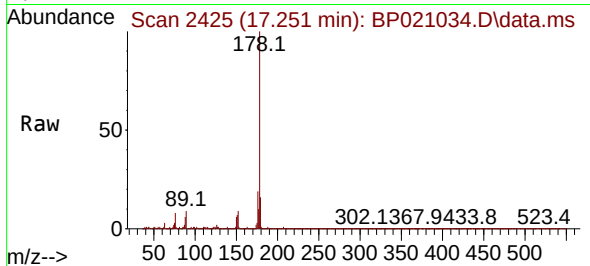
#74
 Anthracene
 Concen: 12.184 ng/u1
 RT: 17.251 min Scan# 2426
 Delta R.T. -0.006 min
 Lab File: BP021034.D
 Acq: 18 Jul 2024 03:36

Instrument :
 BNA_P
 ClientSampleId :
 A4C08

Tgt Ion:178 Resp: 772640
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.5 18.7
 176 18.7 14.8 22.2

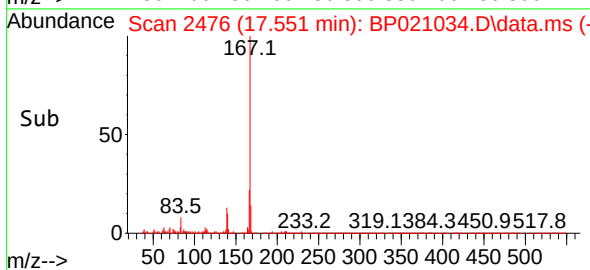
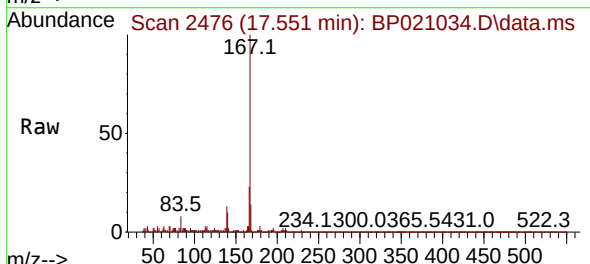
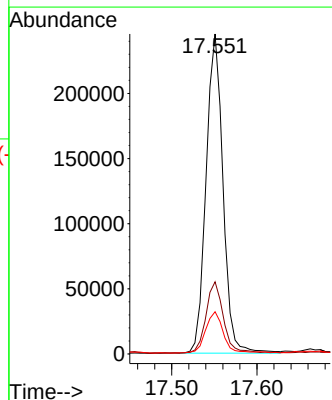
Manual Integrations
 APPROVED

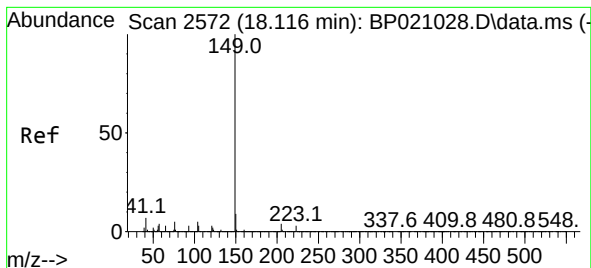
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024



#77
 Carbazole
 Concen: 6.523 ng/u1
 RT: 17.551 min Scan# 2476
 Delta R.T. 0.011 min
 Lab File: BP021034.D
 Acq: 18 Jul 2024 03:36

Tgt Ion:167 Resp: 338160
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.3 25.9
 139 13.2 10.2 15.2





#78

Di-n-butylphthalate

Concen: 3.600 ng/ul

RT: 18.115 min Scan# 2572

Delta R.T. -0.000 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

Instrument :

BNA_P

ClientSampleId :

A4C08

Tgt Ion:149 Resp: 257440

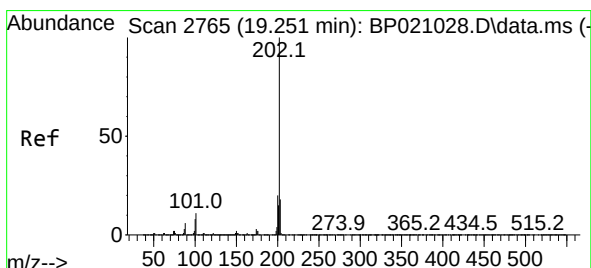
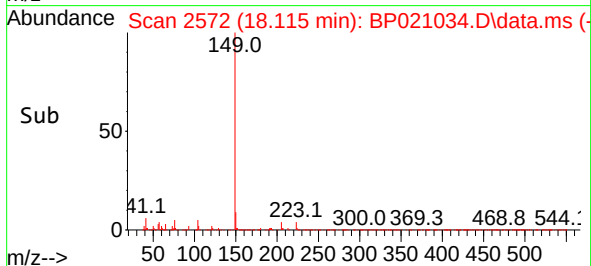
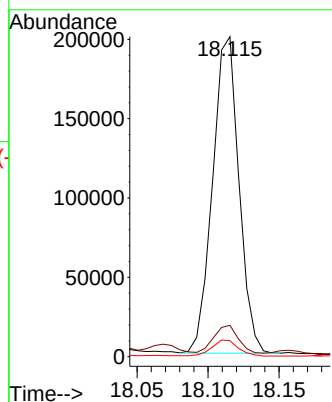
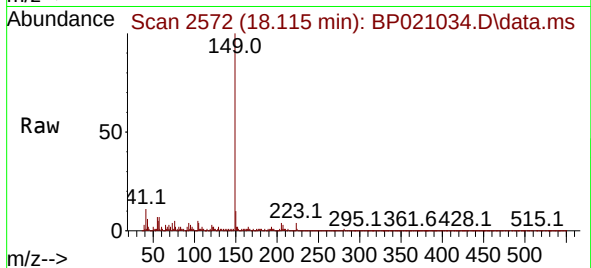
Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.4	11.0
104	5.0	3.9	5.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#80

Fluoranthene

Concen: 76.320 ng/ul

RT: 19.262 min Scan# 2767

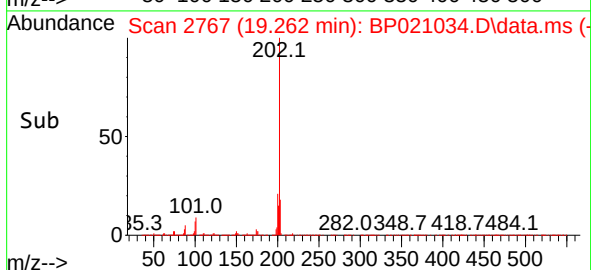
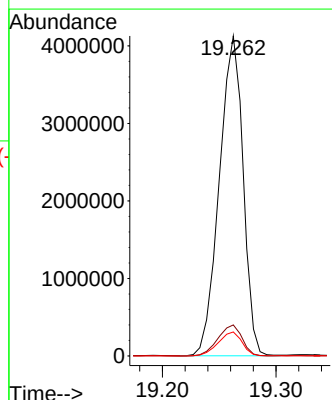
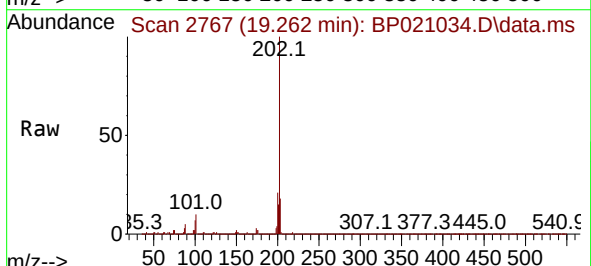
Delta R.T. 0.011 min

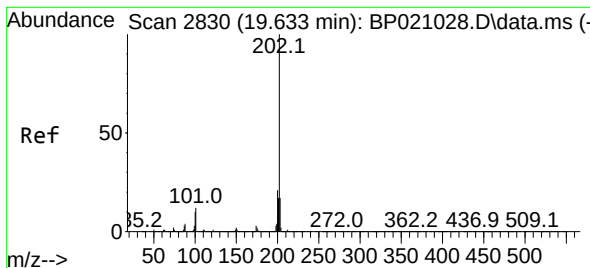
Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

Tgt Ion:202 Resp: 6002994

Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.0	12.0
100	7.5	6.1	9.1





#82

Pyrene

Concen: 44.585 ng/u1

RT: 19.639 min Scan# 2831

Delta R.T. 0.011 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

Instrument :

BNA_P

ClientSampleId :

A4C08

Tgt Ion:202 Resp: 356857

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.2

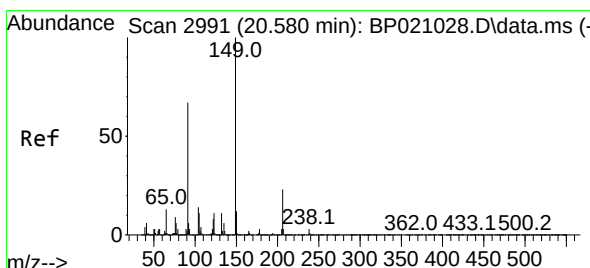
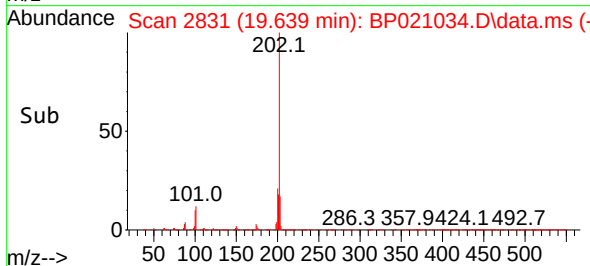
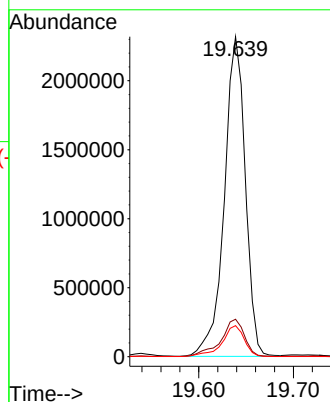
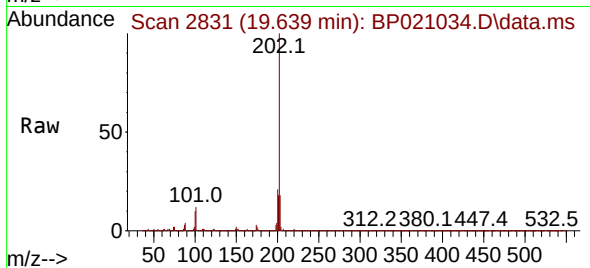
100 9.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#83

Butylbenzylphthalate

Concen: 1.635 ng/u1

RT: 20.586 min Scan# 2992

Delta R.T. 0.017 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

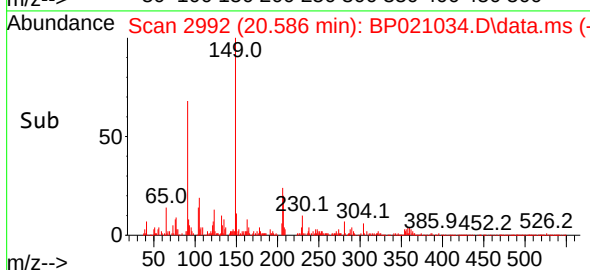
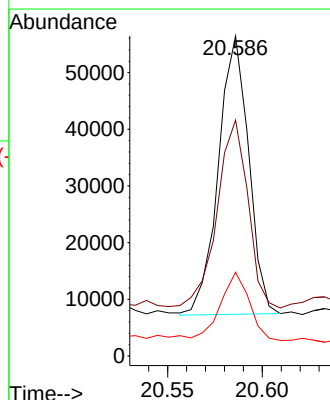
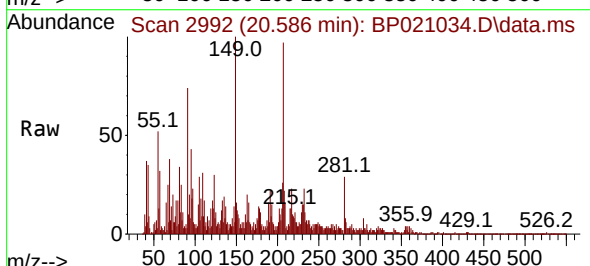
Tgt Ion:149 Resp: 54513

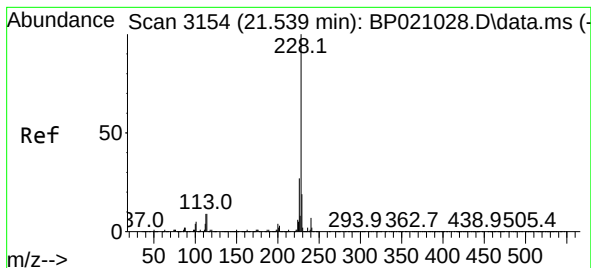
Ion Ratio Lower Upper

149 100

91 73.7 54.1 81.1

206 26.1 17.0 25.6#





#85

Benzo(a)anthracene

Concen: 40.002 ng/u1

RT: 21.551 min Scan# 3155

Delta R.T. 0.017 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

Instrument :

BNA_P

ClientSampleId :

A4C08

Tgt Ion:228 Resp: 295207

Ion Ratio Lower Upper

228 100

229 20.6 15.5 23.3

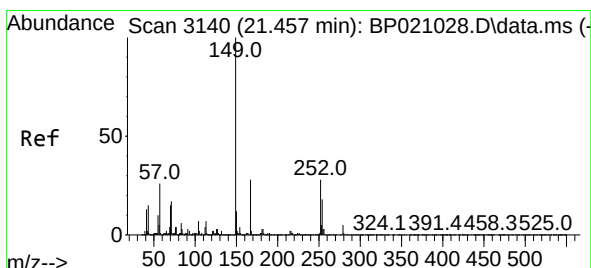
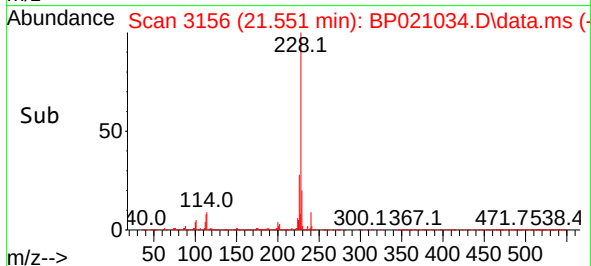
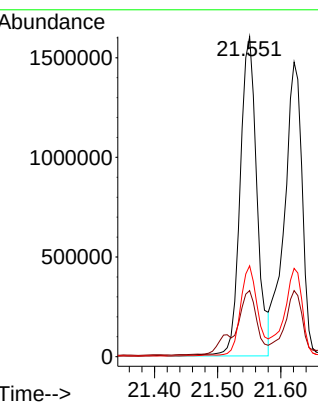
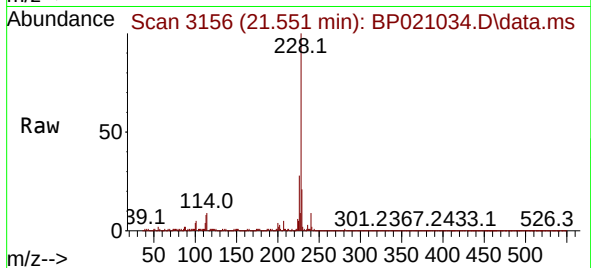
226 28.4 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 7.097 ng/u1

RT: 21.468 min Scan# 3142

Delta R.T. 0.023 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

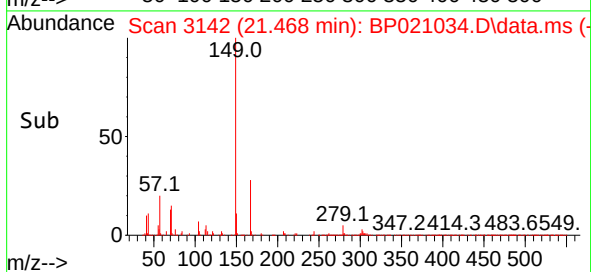
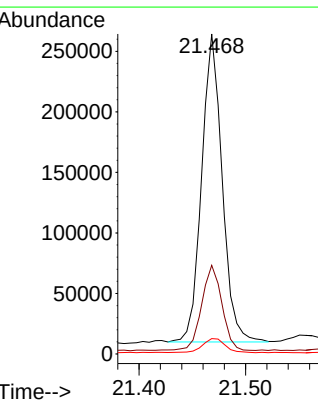
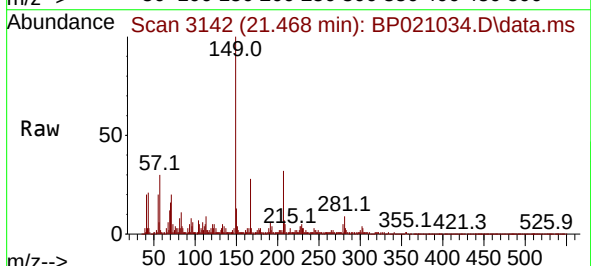
Tgt Ion:149 Resp: 340588

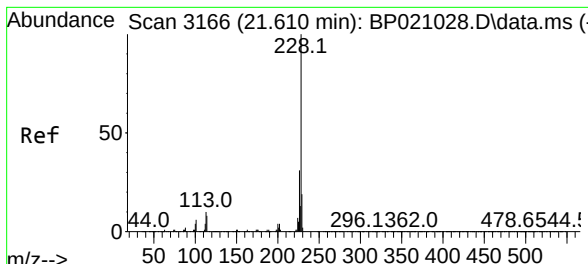
Ion Ratio Lower Upper

149 100

167 27.7 22.1 33.1

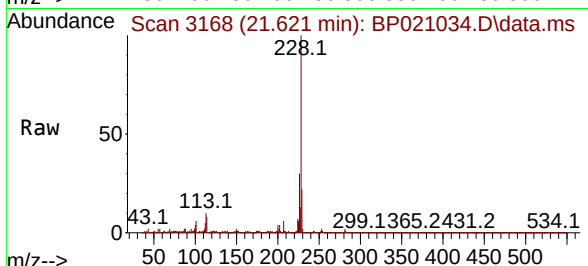
279 4.8 3.7 5.5





#87
Chrysene
Concen: 42.035 ng/u1
RT: 21.621 min Scan# 3168
Delta R.T. 0.023 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36

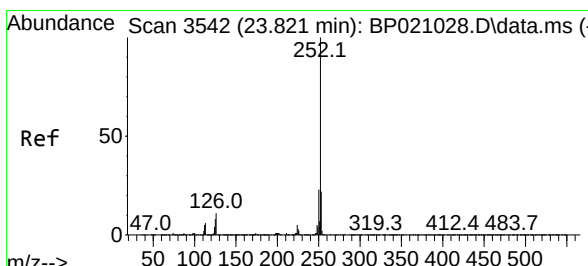
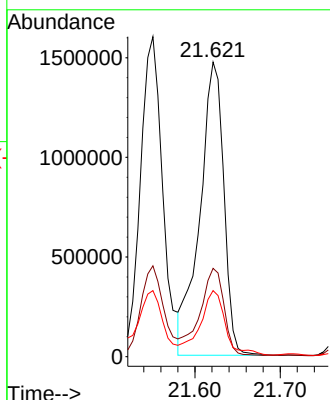
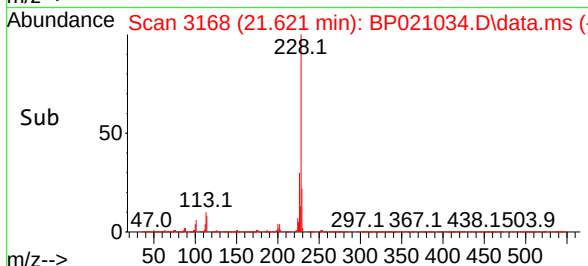
Instrument :
BNA_P
ClientSampleId :
A4C08



Tgt Ion:228 Resp: 2882524
Ion Ratio Lower Upper
228 100
226 30.0 23.6 35.4
229 22.4 15.5 23.3

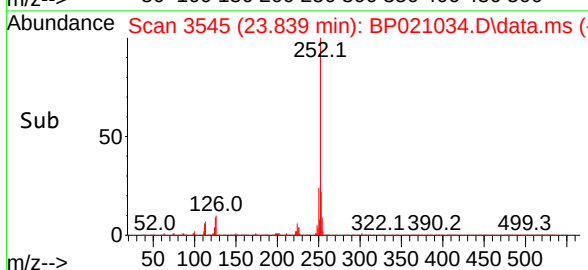
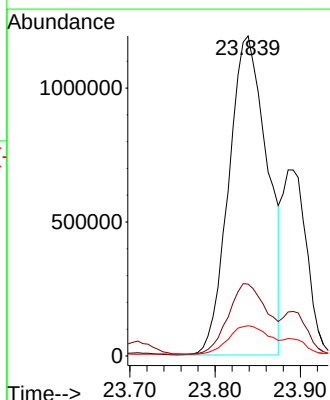
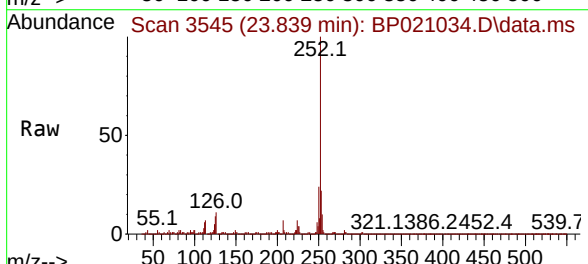
Manual Integrations
APPROVED

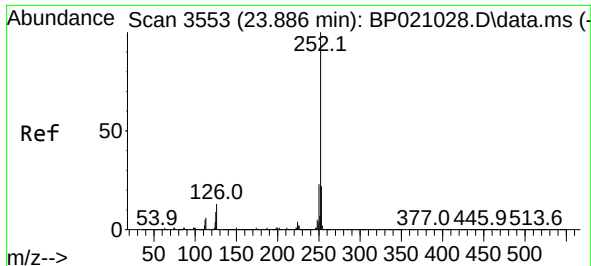
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#90
Benzo(b)fluoranthene
Concen: 48.554 ng/u1
RT: 23.839 min Scan# 3545
Delta R.T. 0.058 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36

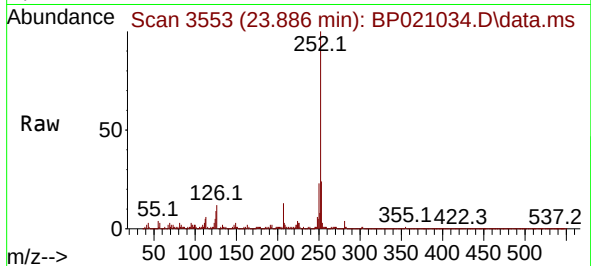
Tgt Ion:252 Resp: 3738142
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 9.4 7.0 10.4





#91
Benzo(k)fluoranthene
Concen: 17.592 ng/u1
RT: 23.886 min Scan# 3553
Delta R.T. 0.035 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36

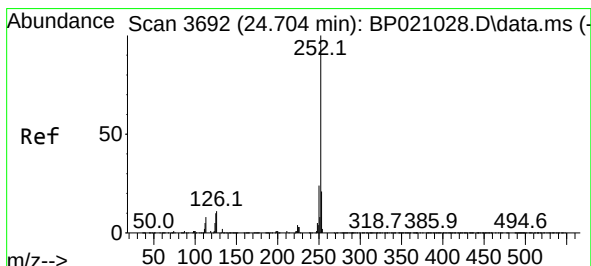
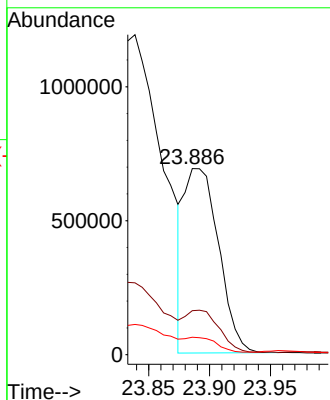
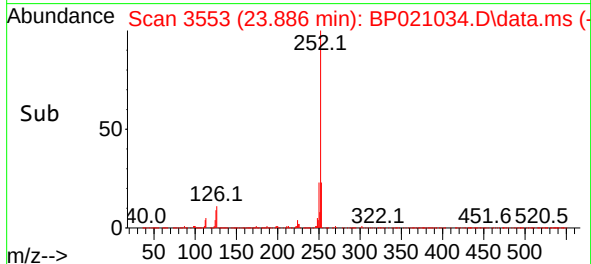
Instrument :
BNA_P
ClientSampleId :
A4C08



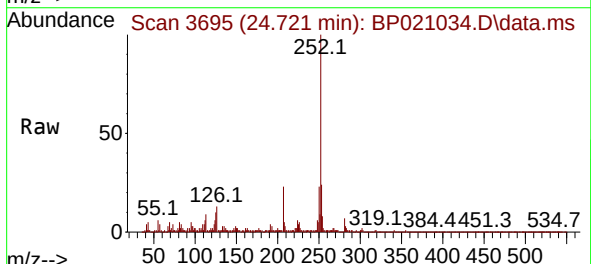
Tgt Ion:252 Resp: 1351670
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 9.4 7.4 11.0

Manual Integrations
APPROVED

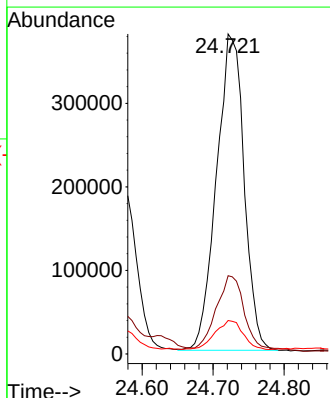
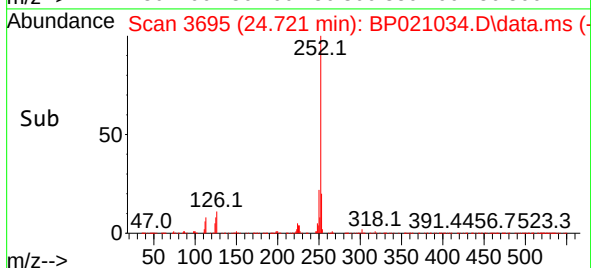
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

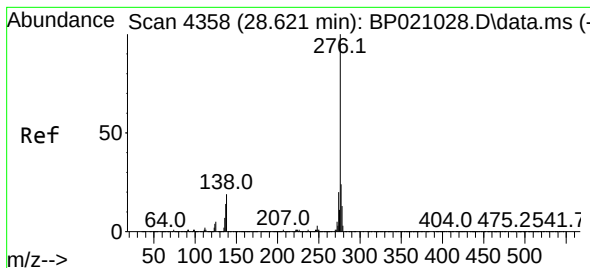


#93
Benzo(a)pyrene
Concen: 14.026 ng/u1
RT: 24.721 min Scan# 3695
Delta R.T. 0.052 min
Lab File: BP021034.D
Acq: 18 Jul 2024 03:36



Tgt Ion:252 Resp: 1020433
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 10.4 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.716 ng/ul

RT: 28.633 min Scan# 4358

Delta R.T. 0.058 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

Instrument :

BNA_P

ClientSampleId :

A4C08

Tgt Ion:276 Resp: 109838

Ion Ratio Lower Upper

276 100

138 18.5 14.3 21.5

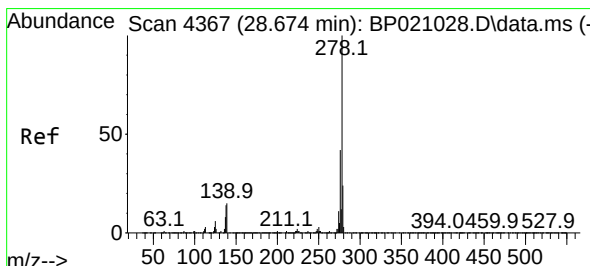
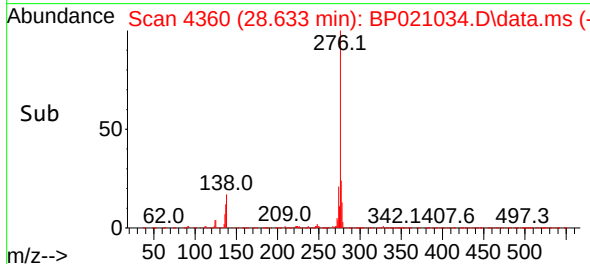
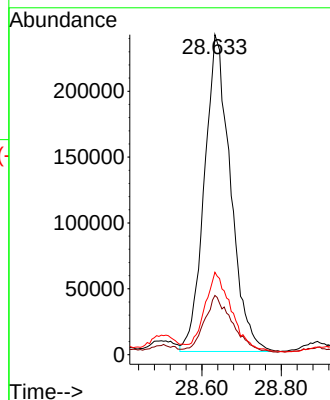
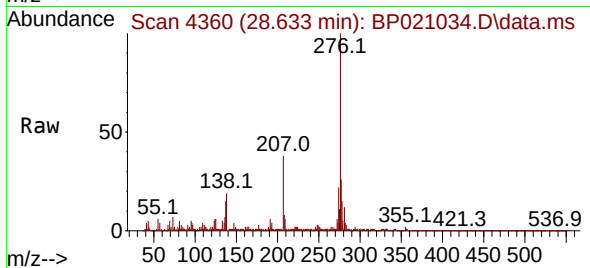
277 25.8 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#95

Dibenzo(a,h)anthracene

Concen: 6.246 ng/ul m

RT: 28.691 min Scan# 4370

Delta R.T. 0.058 min

Lab File: BP021034.D

Acq: 18 Jul 2024 03:36

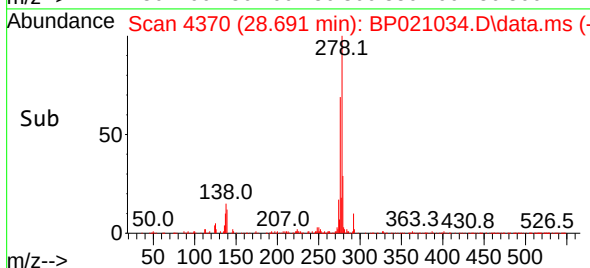
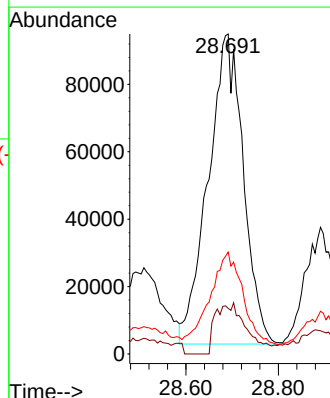
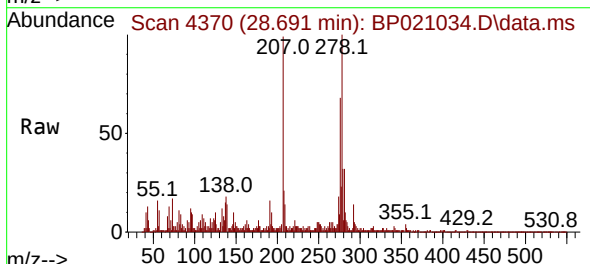
Tgt Ion:278 Resp: 484893

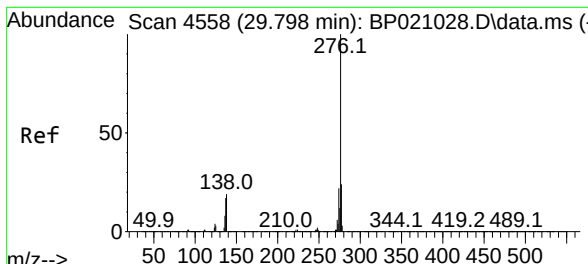
Ion Ratio Lower Upper

278 100

139 14.2 10.9 16.3

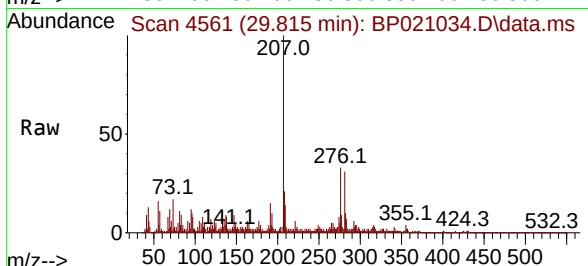
279 31.8 19.4 29.0#





#96
 Benzo(g,h,i)perylene
 Concen: 1.892 ng/ul m
 RT: 29.815 min Scan# 4
 Delta R.T. 0.088 min
 Lab File: BP021034.D
 Acq: 18 Jul 2024 03:36

Instrument :
 BNA_P
 ClientSampleId :
 A4C08



Tgt Ion: 276 Resp: 144434

Ion	Ratio	Lower	Upper
276	100		
138	23.2	15.3	22.9
277	28.2	18.2	27.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

