

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072324\
 Data File : BP021112.D
 Acq On : 24 Jul 2024 00:25
 Operator : MA/JU
 Sample : P3215-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4D31

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 05:37:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 24 00:21:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	197404	20.000	ng/u1	0.00
20) Naphthalene-d8	10.428	136	816245	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.304	164	561489	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.122	188	1210987	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	1129569	20.000	ng/u1	0.00
88) Perylene-d12	24.910	264	1387150	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	14351	3.308	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.881	99	378950	23.546	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.011	67	219932	22.550	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	318135	23.992	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	286023	21.398	ng/u1	0.00
21) Nitrobenzene-d5	8.822	128	158055	24.930	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	185268	25.532	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	329952	25.147	ng/u1	0.00
31) 4-Chloroaniline-d4	10.605	131	8404m	0.483	ng/u1	0.02
46) Dimethylphthalate-d6	13.710	166	1026379	25.146	ng/u1	0.00
49) Acenaphthylene-d8	13.998	160	1179279	25.730	ng/u1	0.00
54) 4-Nitrophenol-d4	14.598	143	153282m	26.394	ng/u1	0.00
60) Fluorene-d10	15.322	176	919920	27.472	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	81230	11.086	ng/u1	0.00
73) Anthracene-d10	17.222	188	1358022	25.249	ng/u1	0.00
81) Pyrene-d10	19.610	212	1179287	16.887	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.669	264	797243	11.653	ng/u1	-0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.834	77	8316	1.025	ng/u1	92
30) Naphthalene	10.481	128	92265	2.149	ng/u1	100
36) 2-Methylnaphthalene	12.104	142	78881	2.676	ng/u1	99
37) 1-Methylnaphthalene	12.322	142	78512	2.590	ng/u1	95
50) Acenaphthylene	14.028	152	164057	3.161	ng/u1	99
56) Dibenzofuran	14.710	168	59294	1.257	ng/u1	100
61) Fluorene	15.375	166	42132	1.095	ng/u1#	93
72) Phenanthrene	17.169	178	936853	14.913	ng/u1	100
74) Anthracene	17.263	178	208197	3.251	ng/u1	99
77) Carbazole	17.551	167	108882	2.080	ng/u1	95
80) Fluoranthene	19.263	202	2213006	26.240	ng/u1	99
82) Pyrene	19.639	202	1237088	14.415	ng/u1	100
85) Benzo(a)anthracene	21.551	228	1005032	12.702	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.463	149	71759	1.395	ng/u1#	96
87) Chrysene	21.616	228	1271636	17.295	ng/u1	97
90) Benzo(b)fluoranthene	23.851	252	1694388	20.128	ng/u1	96
91) Benzo(k)fluoranthene	23.910	252	566992	6.749	ng/u1	95
93) Benzo(a)pyrene	24.745	252	403782	5.076	ng/u1#	91
94) Indeno(1,2,3-cd)pyrene	28.686	276	499701	4.875	ng/u1	96
95) Dibenzo(a,h)anthracene	28.751	278	256210m	3.018	ng/u1	

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

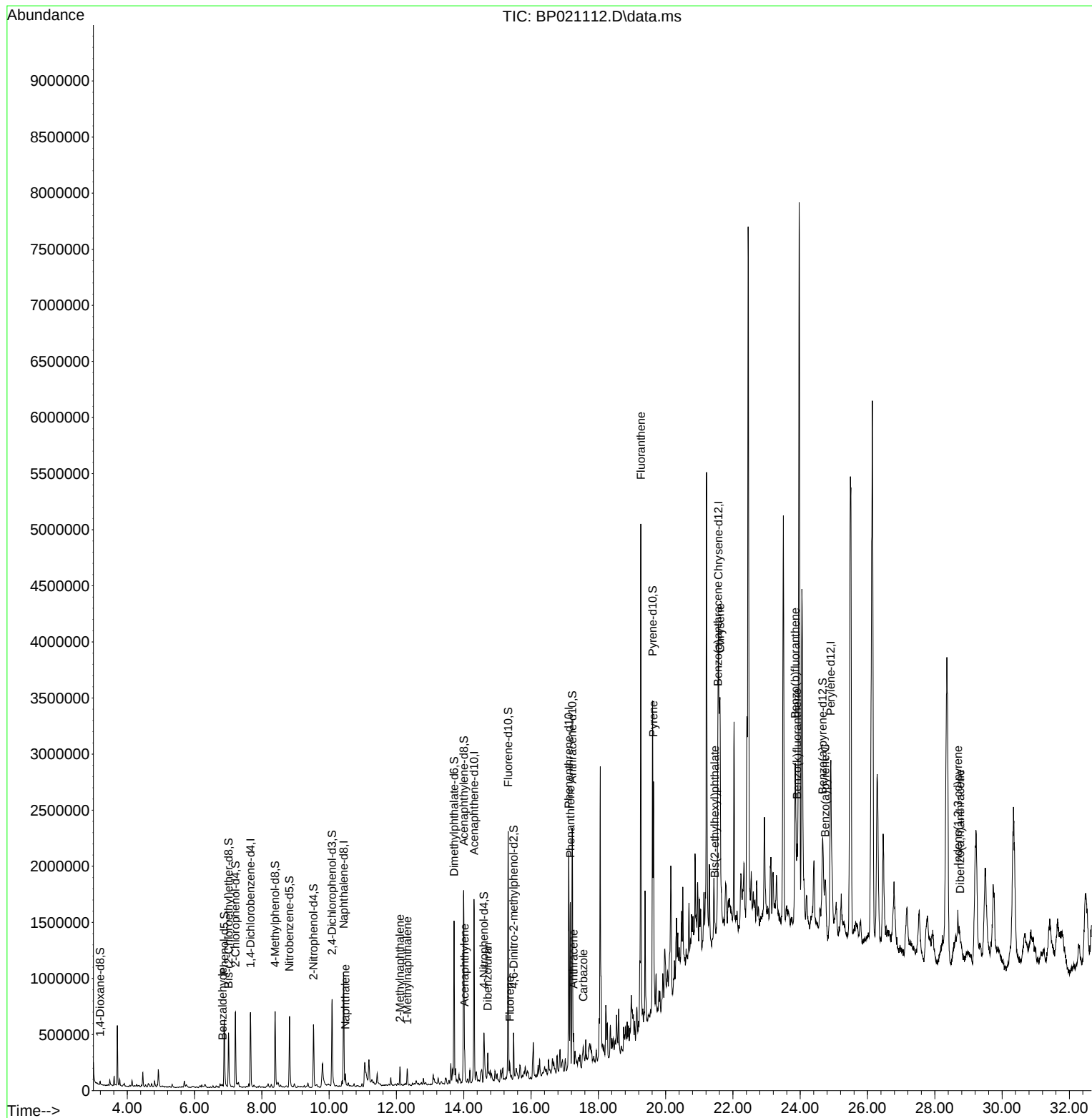
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072324\
Data File : BP021112.D
Acq On : 24 Jul 2024 00:25
Operator : MA/JU
Sample : P3215-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

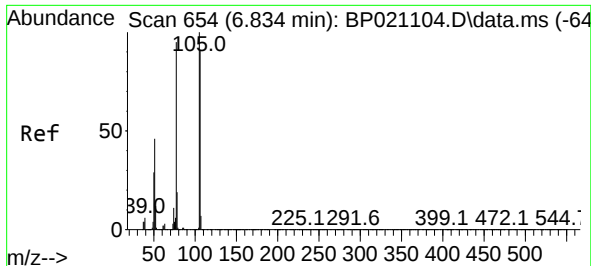
Instrument :
BNA_P
ClientSampleId :
A4D31

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 05:37:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 00:21:57 2024
Response via : Initial Calibration





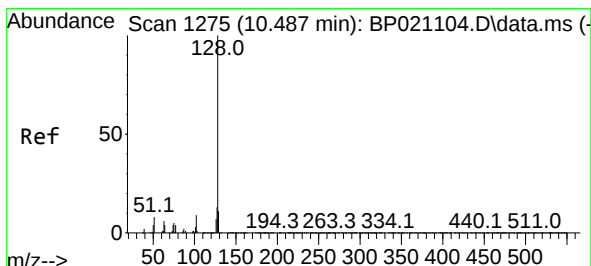
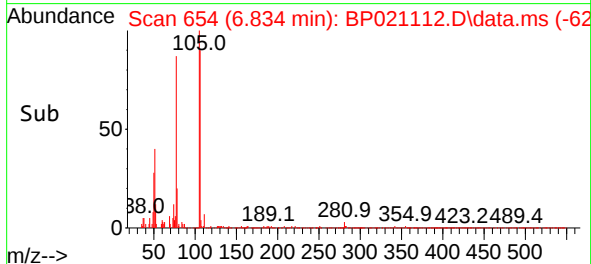
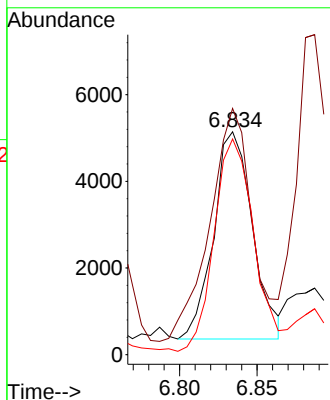
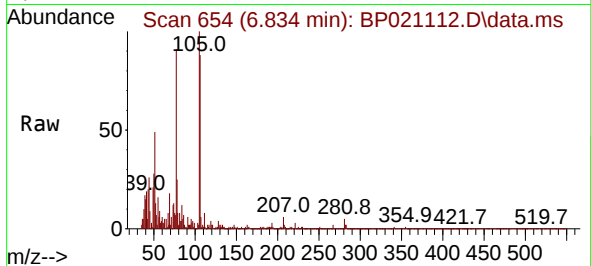
#6
Benzaldehyde
Concen: 1.025 ng/ul
RT: 6.834 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

Instrument :
BNA_P
ClientSampleId :
A4D31

Tgt Ion: 77 Resp: 8310
Ion Ratio Lower Upper
77 100
105 110.5 79.3 118.9
106 96.8 74.6 112.0

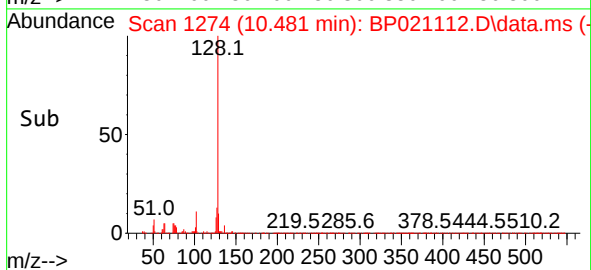
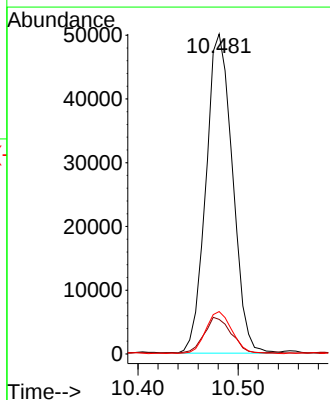
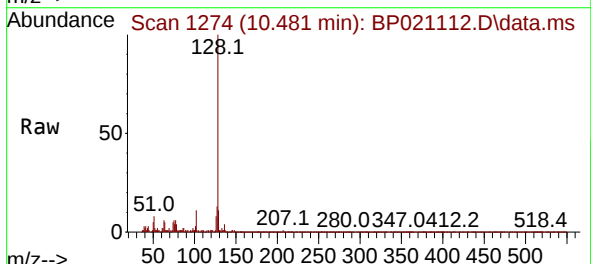
Manual Integrations
APPROVED

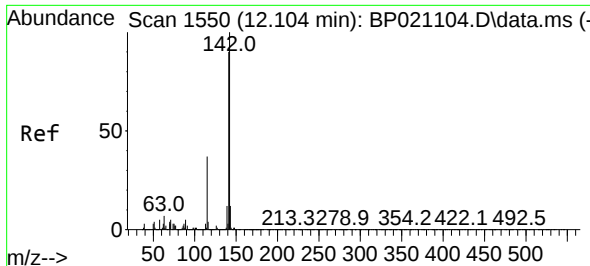
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#30
Naphthalene
Concen: 2.149 ng/ul
RT: 10.481 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

Tgt Ion:128 Resp: 92265
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.3 10.8 16.2





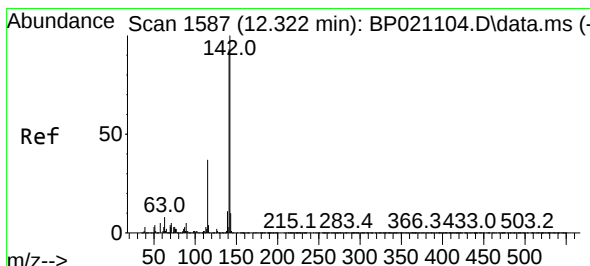
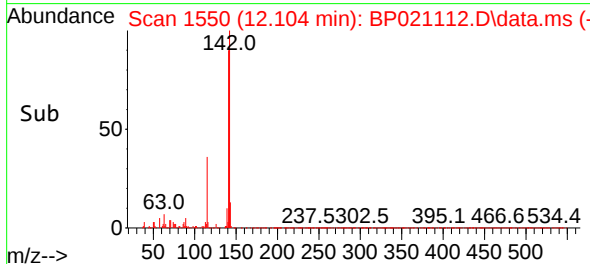
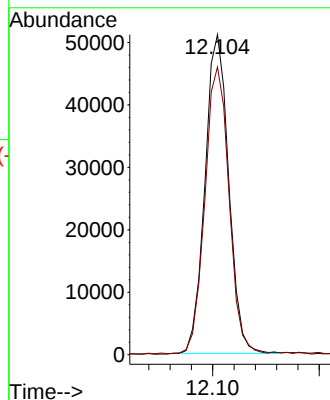
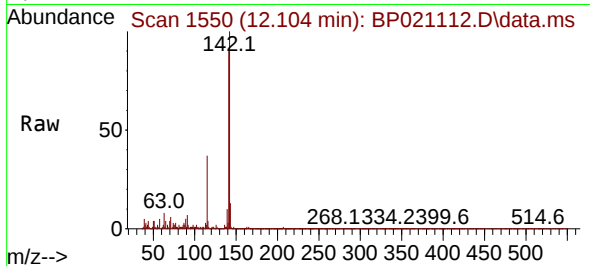
#36
2-Methylnaphthalene
Concen: 2.676 ng/ul
RT: 12.104 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

Instrument :
BNA_P
ClientSampleId :
A4D31

Tgt Ion:142 Resp: 7888
Ion Ratio Lower Upper
142 100
141 89.9 72.6 108.8

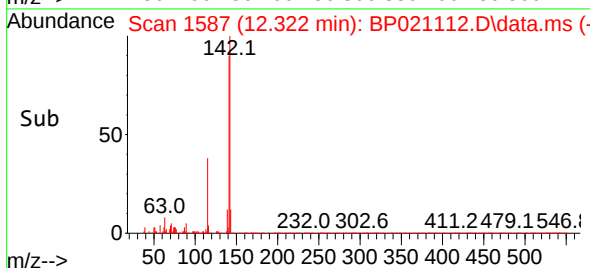
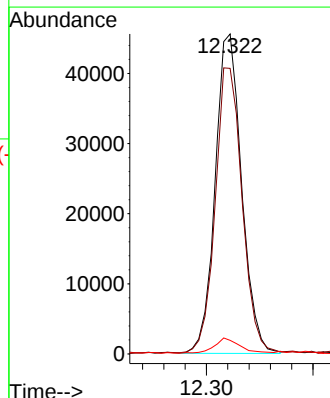
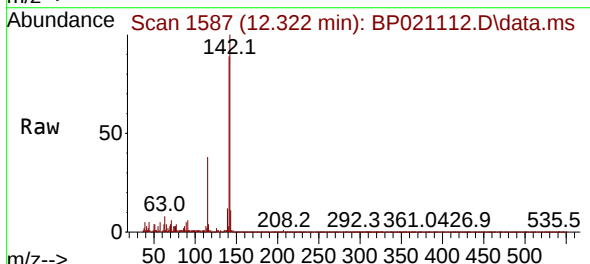
Manual Integrations
APPROVED

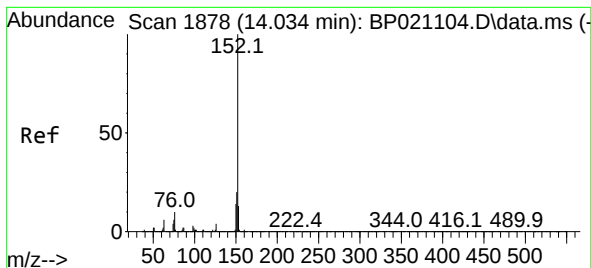
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#37
1-Methylnaphthalene
Concen: 2.590 ng/ul
RT: 12.322 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

Tgt Ion:142 Resp: 78512
Ion Ratio Lower Upper
142 100
141 89.2 75.0 112.6
116 4.2 3.2 4.8





#50

Acenaphthylene

Concen: 3.161 ng/ul

RT: 14.028 min Scan# 1878

Delta R.T. -0.006 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Instrument :

BNA_P

ClientSampleId :

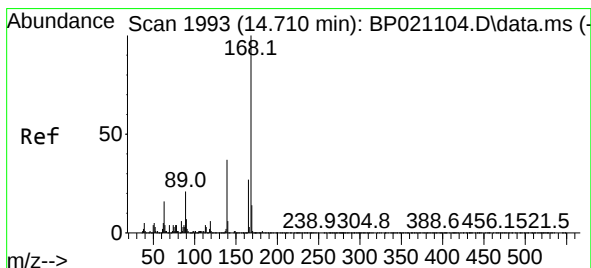
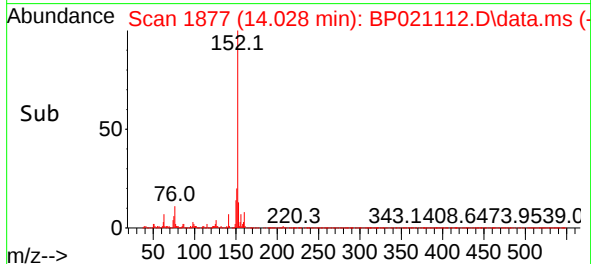
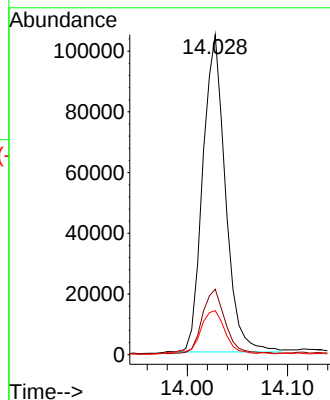
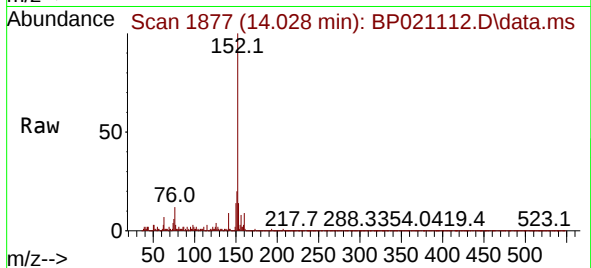
A4D31

Tgt Ion:152	Resp: 16405
Ion Ratio	Lower Upper
152 100	
151 20.5	16.2 24.2
153 13.7	10.3 15.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#56

Dibenzofuran

Concen: 1.257 ng/ul

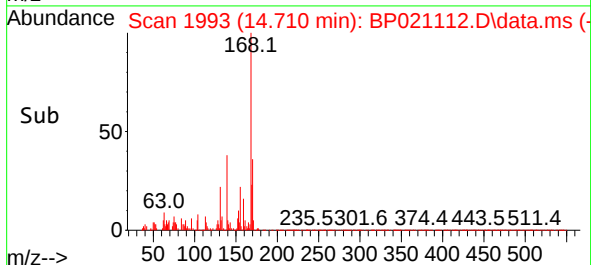
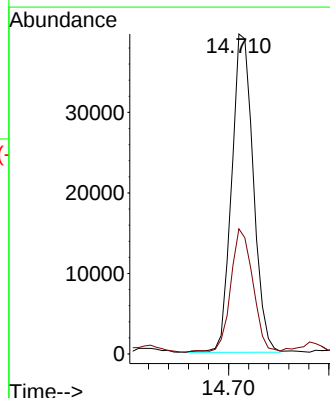
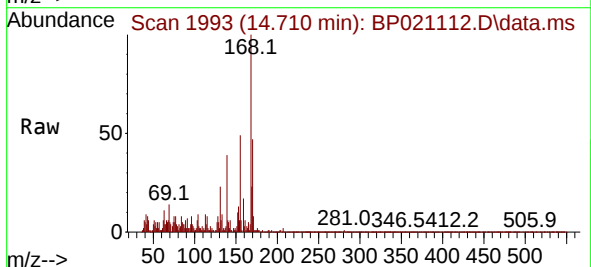
RT: 14.710 min Scan# 1993

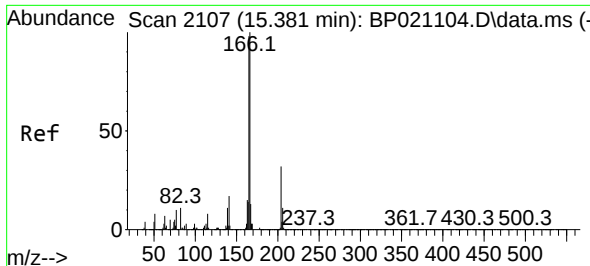
Delta R.T. 0.000 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Tgt Ion:168	Resp: 59294
Ion Ratio	Lower Upper
168 100	
139 39.1	31.1 46.7





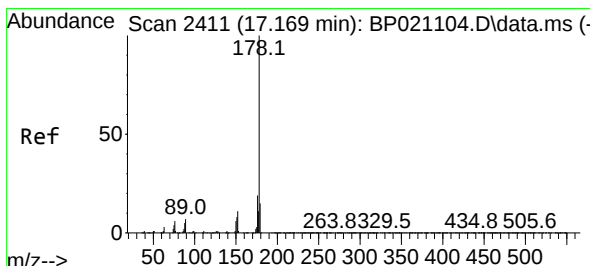
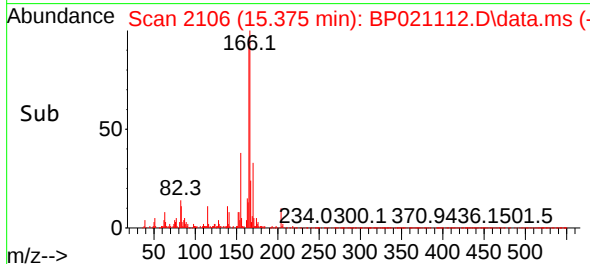
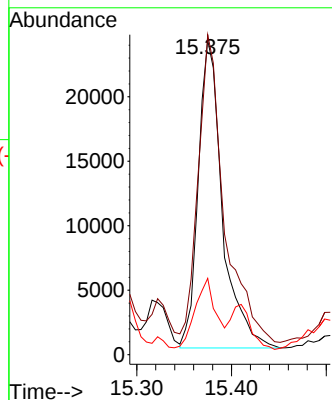
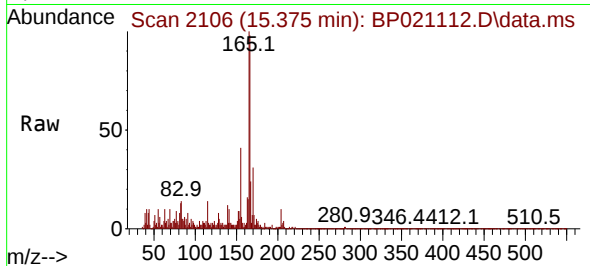
#61
Fluorene
Concen: 1.095 ng/ul
RT: 15.375 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

Instrument :
BNA_P
ClientSampleId :
A4D31

Tgt Ion:166 Resp: 4213
Ion Ratio Lower Upper
166 100
165 101.7 78.1 117.1
167 24.3 10.9 16.3

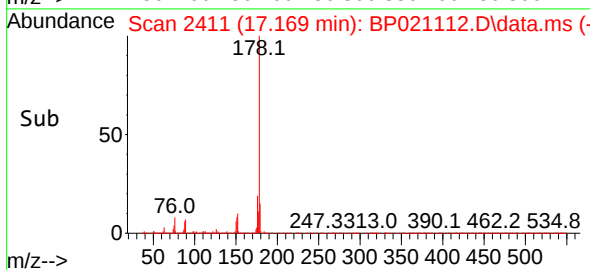
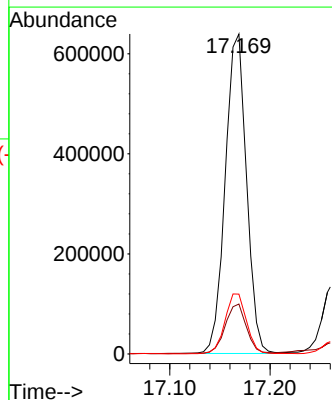
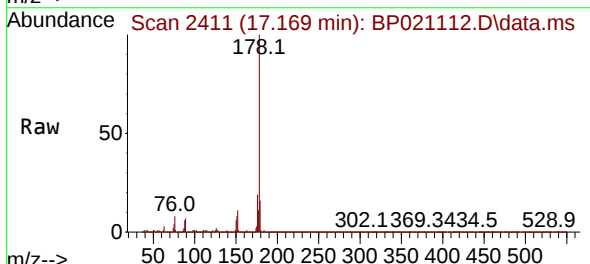
Manual Integrations
APPROVED

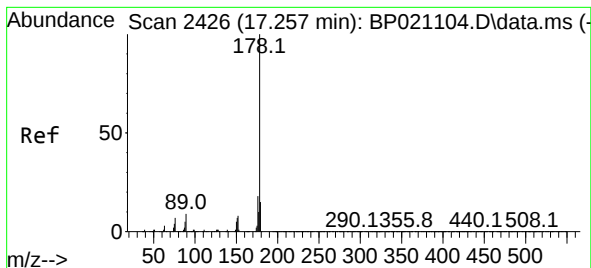
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#72
Phenanthrene
Concen: 14.913 ng/ul
RT: 17.169 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

Tgt Ion:178 Resp: 936853
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 18.7 15.0 22.4





#74

Anthracene

Concen: 3.251 ng/ul

RT: 17.263 min Scan# 2426

Delta R.T. 0.006 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Instrument :

BNA_P

ClientSampleId :

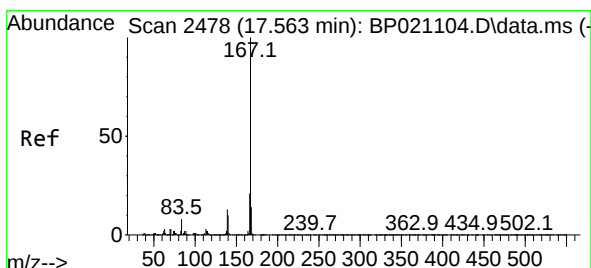
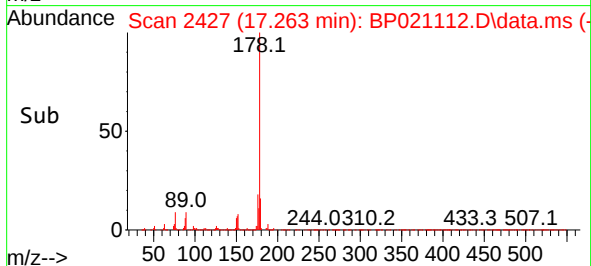
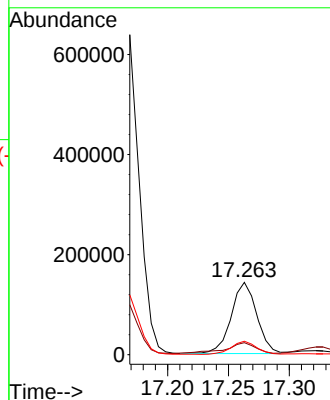
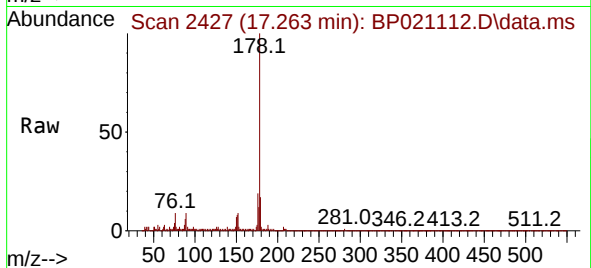
A4D31

Tgt Ion:178	Resp: 20819
Ion Ratio	Lower Upper
178 100	
179 16.6	12.5 18.7
176 18.5	14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#77

Carbazole

Concen: 2.080 ng/ul

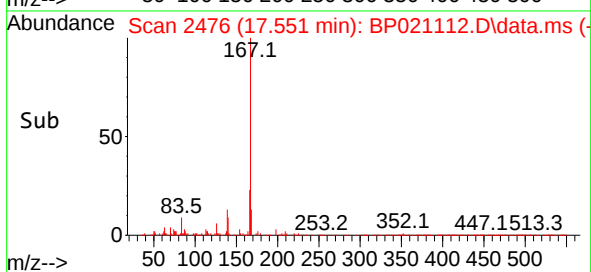
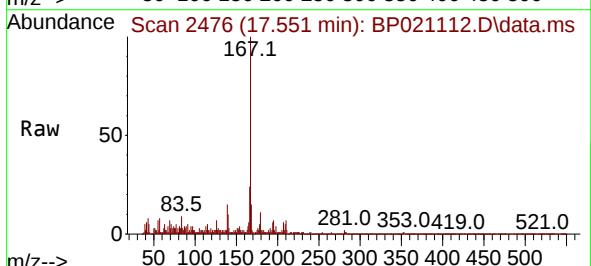
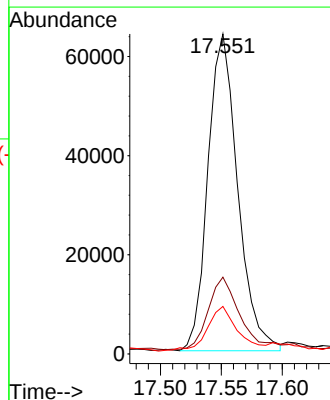
RT: 17.551 min Scan# 2476

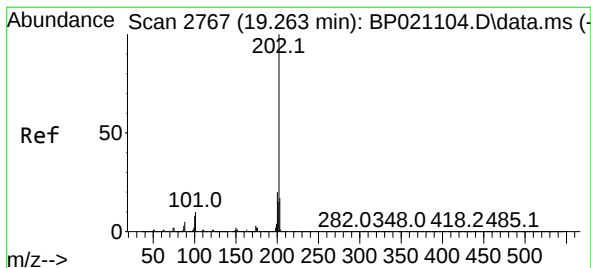
Delta R.T. -0.012 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

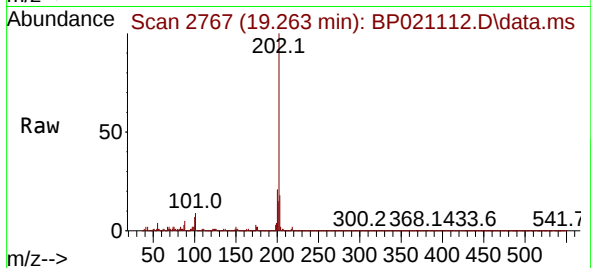
Tgt Ion:167	Resp: 108882
Ion Ratio	Lower Upper
167 100	
166 24.0	17.3 25.9
139 14.8	10.2 15.2





#80
Fluoranthene
Concen: 26.240 ng/u1
RT: 19.263 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

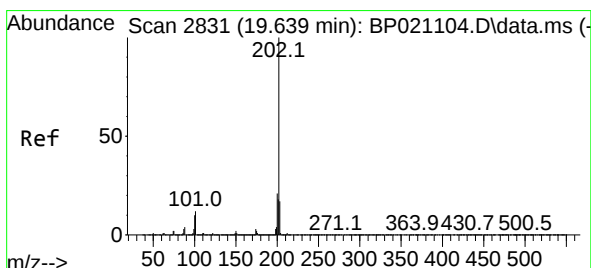
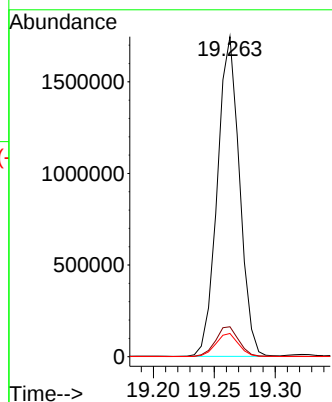
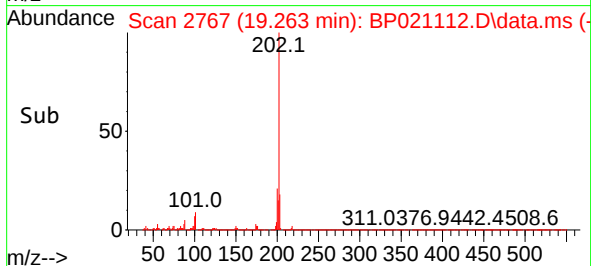
Instrument :
BNA_P
ClientSampleId :
A4D31



Tgt Ion:202 Resp: 2213000
Ion Ratio Lower Upper
202 100
101 9.4 8.0 12.0
100 7.3 6.1 9.1

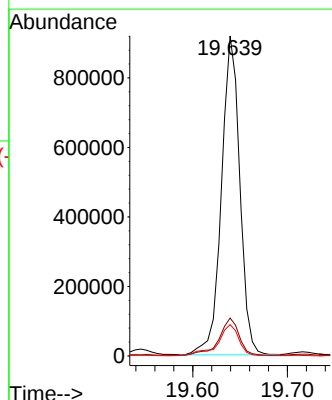
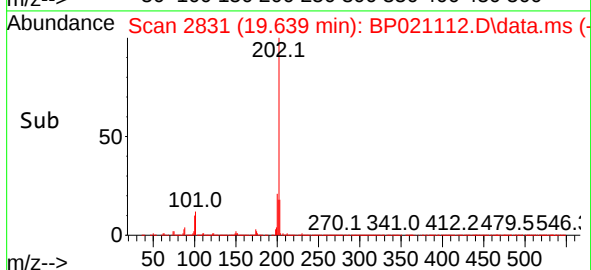
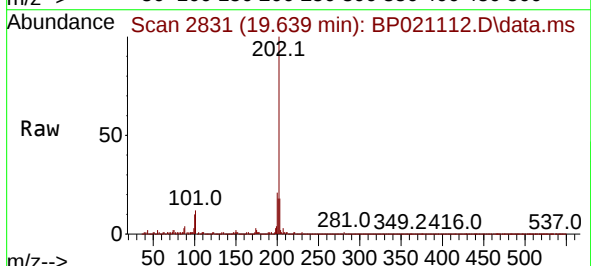
Manual Integrations
APPROVED

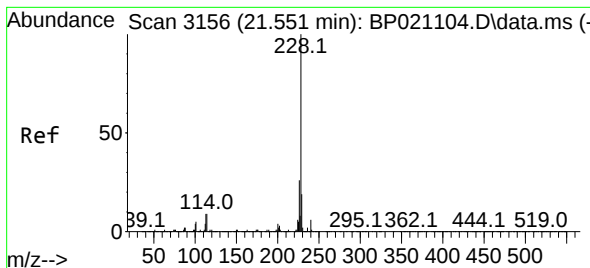
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#82
Pyrene
Concen: 14.415 ng/u1
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BP021112.D
Acq: 24 Jul 2024 00:25

Tgt Ion:202 Resp: 1237088
Ion Ratio Lower Upper
202 100
101 11.9 9.4 14.2
100 9.8 7.8 11.6





#85

Benzo(a)anthracene

Concen: 12.702 ng/ul

RT: 21.551 min Scan# 3156

Delta R.T. 0.000 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Instrument :

BNA_P

ClientSampleId :

A4D31

Tgt Ion:228 Resp: 100503

Ion Ratio Lower Upper

228 100

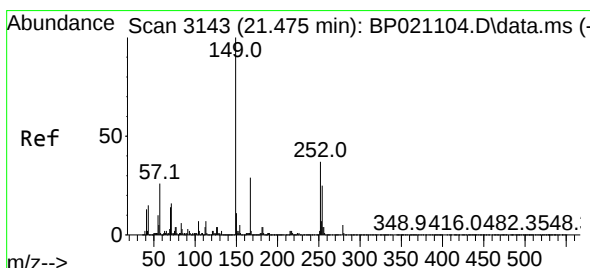
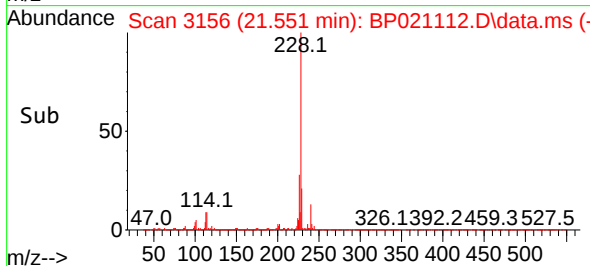
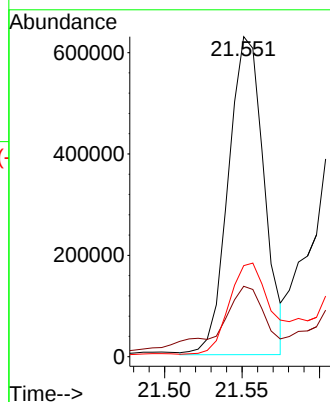
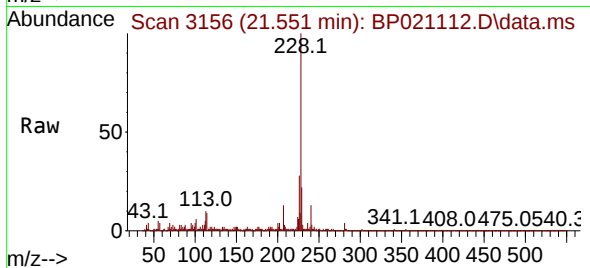
229 22.0 15.5 23.3

226 28.4 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.395 ng/ul

RT: 21.463 min Scan# 3141

Delta R.T. -0.012 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

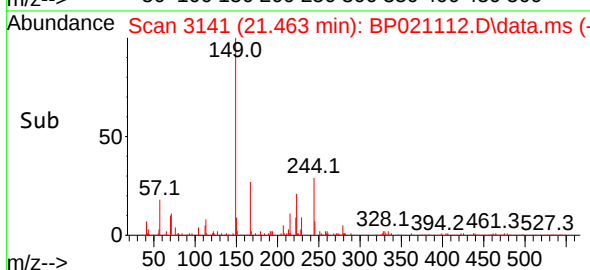
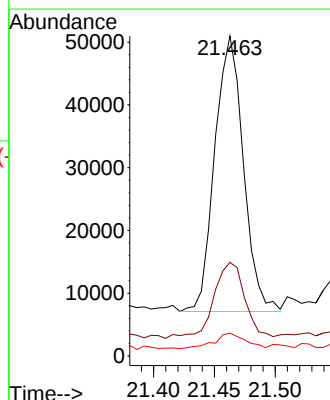
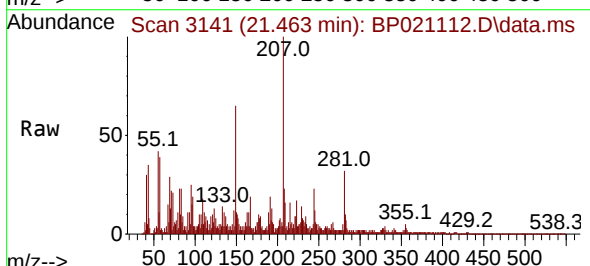
Tgt Ion:149 Resp: 71759

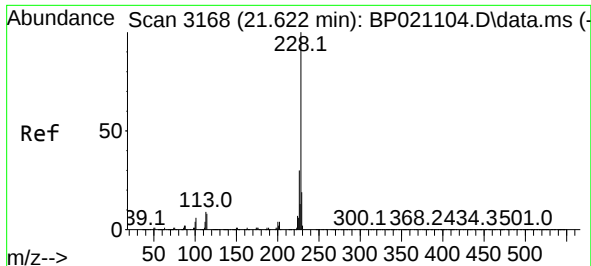
Ion Ratio Lower Upper

149 100

167 29.3 22.1 33.1

279 7.2 3.7 5.5#





#87

Chrysene

Concen: 17.295 ng/ul

RT: 21.616 min Scan# 3168

Delta R.T. -0.006 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Instrument :

BNA_P

ClientSampleId :

A4D31

Tgt Ion:228 Resp: 1271630

Ion Ratio Lower Upper

228 100

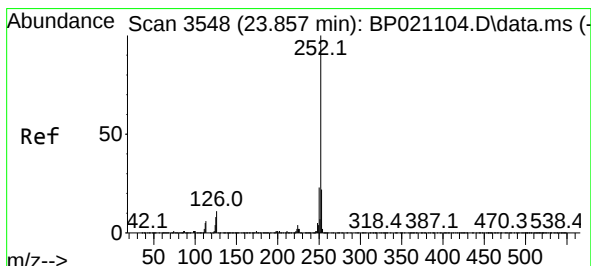
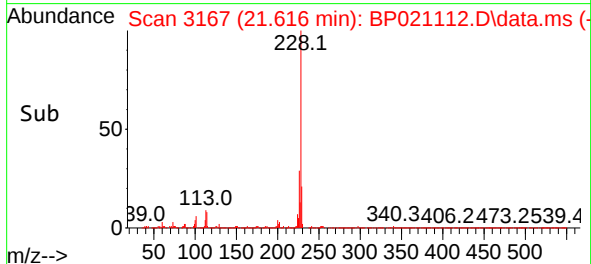
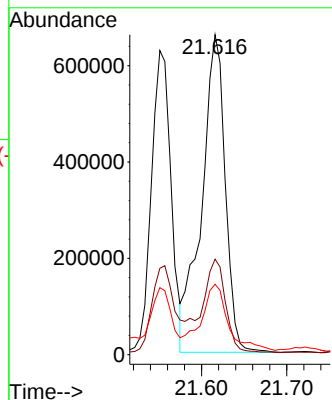
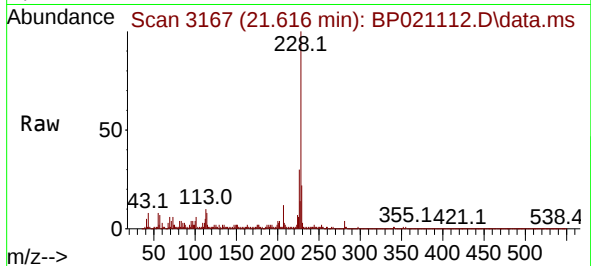
226 29.9 23.6 35.4

229 22.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#90

Benzo(b)fluoranthene

Concen: 20.128 ng/ul

RT: 23.851 min Scan# 3547

Delta R.T. -0.006 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

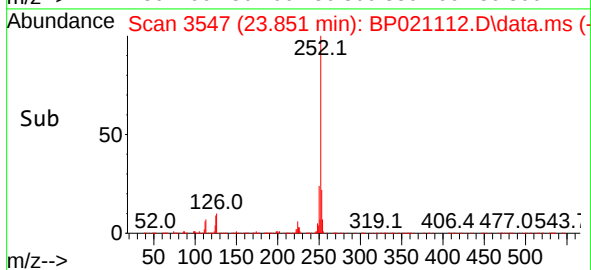
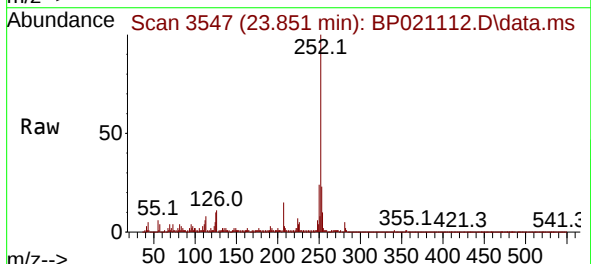
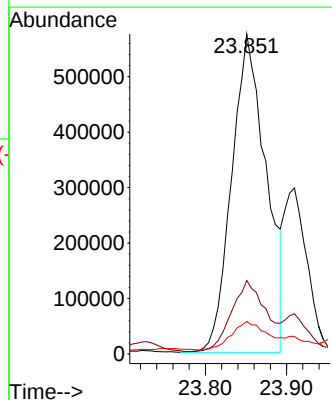
Tgt Ion:252 Resp: 1694388

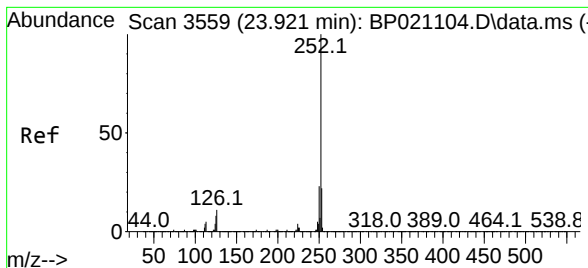
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 10.1 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 6.749 ng/ul

RT: 23.910 min Scan# 3559

Delta R.T. -0.012 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Instrument :

BNA_P

ClientSampleId :

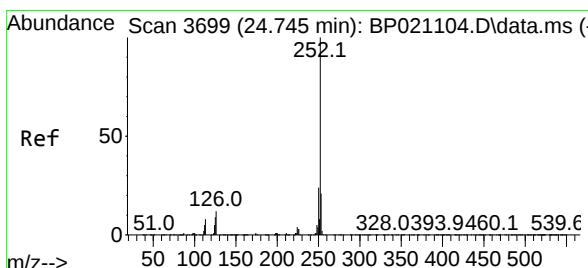
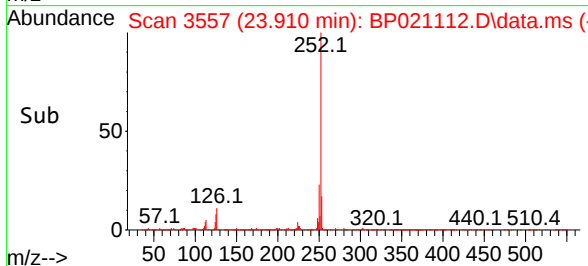
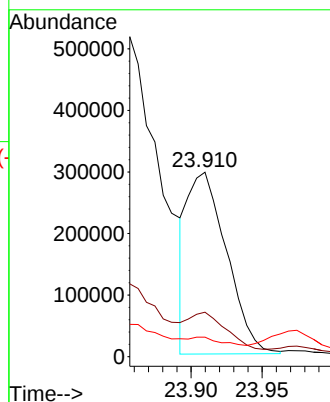
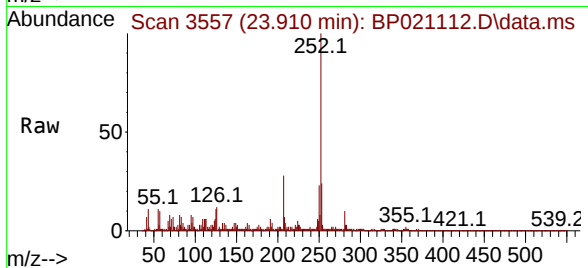
A4D31

Tgt Ion:	252	Resp:	566992
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.2
125	10.6	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#93

Benzo(a)pyrene

Concen: 5.076 ng/ul

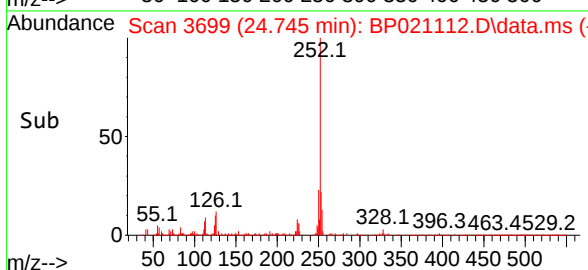
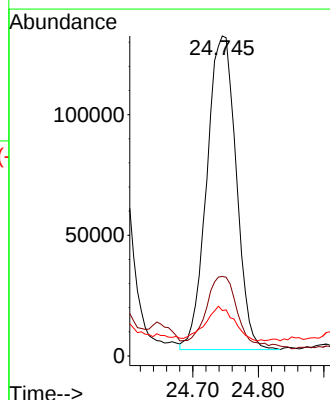
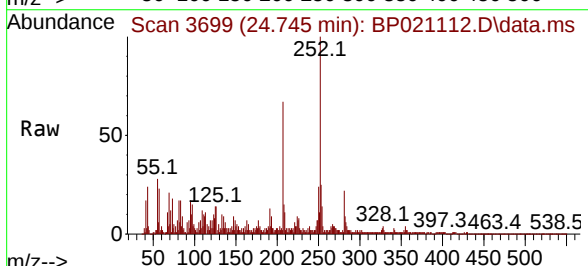
RT: 24.745 min Scan# 3699

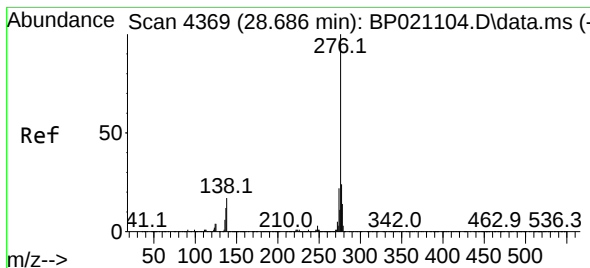
Delta R.T. 0.000 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Tgt Ion:	252	Resp:	403782
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.4	26.0
125	14.2	7.7	11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.875 ng/ul

RT: 28.686 min Scan# 4369

Delta R.T. 0.000 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Instrument :

BNA_P

ClientSampleId :

A4D31

Tgt Ion:276 Resp: 49970

Ion Ratio Lower Upper

276 100

138 17.1 14.3 21.5

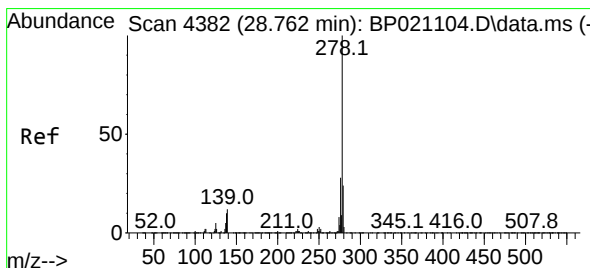
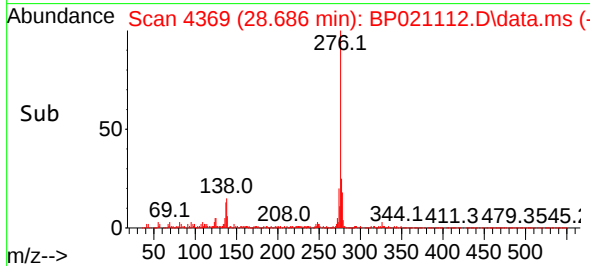
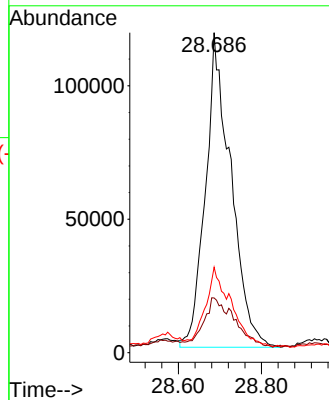
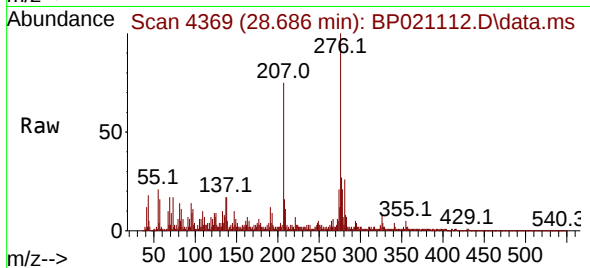
277 26.7 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024

Supervised By :mohammad ahmed 07/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.018 ng/ul m

RT: 28.751 min Scan# 4380

Delta R.T. -0.012 min

Lab File: BP021112.D

Acq: 24 Jul 2024 00:25

Tgt Ion:278 Resp: 256210

Ion Ratio Lower Upper

278 100

139 17.3 10.9 16.3#

279 35.1 19.4 29.0#

