

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070524\
 Data File : BP020800.D
 Acq On : 05 Jul 2024 23:45
 Operator : MA/JU
 Sample : P2964-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CS2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 06 00:14:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 15:01:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	209337	20.000	ng/u1	0.00
20) Naphthalene-d8	10.487	136	830773	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	538696	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.175	188	1093159	20.000	ng/u1	0.01
79) Chrysene-d12	21.633	240	943422	20.000	ng/u1	0.01
88) Perylene-d12	24.974	264	1203134	20.000	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	9863m	2.023	ng/uL	0.00
4) Pyridine-d5	3.687	84	36764	2.588	ng/u1	0.00
7) Phenol-d5	6.917	99	207691	12.096	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.069	67	138116	12.689	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.269	132	186852	13.316	ng/u1	0.00
15) 4-Methylphenol-d8	8.434	113	182915	13.117	ng/u1	0.00
21) Nitrobenzene-d5	8.881	128	94354	15.383	ng/u1	0.00
24) 2-Nitrophenol-d4	9.593	143	101680	16.566	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	183797	14.537	ng/u1	0.00
31) 4-Chloroaniline-d4	10.640	131	127537	7.198	ng/u1	0.00
46) Dimethylphthalate-d6	13.757	166	601444	16.058	ng/u1	0.00
49) Acenaphthylene-d8	14.046	160	677032	15.148	ng/u1	0.00
54) 4-Nitrophenol-d4	14.604	143	56121	9.807	ng/u1	0.02
60) Fluorene-d10	15.369	176	531767	16.872	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.516	200	59726	10.842	ng/u1	0.02
73) Anthracene-d10	17.281	188	788448	16.071	ng/u1	0.02
81) Pyrene-d10	19.657	212	772163	13.624	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.751	264	662648	11.322	ng/u1	0.01
Target Compounds					Qvalue	
30) Naphthalene	10.540	128	1251210	28.138	ng/u1	100
36) 2-Methylnaphthalene	12.157	142	765503	25.700	ng/u1	100
37) 1-Methylnaphthalene	12.375	142	537651	17.657	ng/u1	99
43) 1,1'-Biphenyl	13.181	154	158685	3.939	ng/u1	98
50) Acenaphthylene	14.069	152	64083	1.269	ng/u1#	68
52) Acenaphthene	14.422	153	2411070	71.996	ng/u1	99
56) Dibenzofuran	14.763	168	922165	20.435	ng/u1	100
61) Fluorene	15.428	166	2224749	61.359	ng/u1	99
72) Phenanthrene	17.222	178	19277826m	336.767	ng/u1	
74) Anthracene	17.316	178	3995160	67.850	ng/u1	99
77) Carbazole	17.592	167	1232938	25.371	ng/u1	98
80) Fluoranthene	19.322	202	16092914	232.452	ng/u1	99
82) Pyrene	19.704	202	16100123	226.756	ng/u1	98
85) Benzo(a)anthracene	21.616	228	9301798	140.667	ng/u1	95
87) Chrysene	21.686	228	9882267	158.107	ng/u1	96
90) Benzo(b)fluoranthene	23.945	252	9710090	133.220	ng/u1	98
91) Benzo(k)fluoranthene	23.998	252	3208586	43.519	ng/u1	96
93) Benzo(a)pyrene	24.827	252	4660082	67.729	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.792	276	3404786	38.580	ng/u1	97
95) Dibenzo(a,h)anthracene	28.827	278	1346140	18.559	ng/u1#	92
96) Benzo(g,h,i)perylene	29.951	276	514271m	7.137	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

A4CS2

Manual Integrations

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Supervised By :mohammad ahmed 07/08/2024

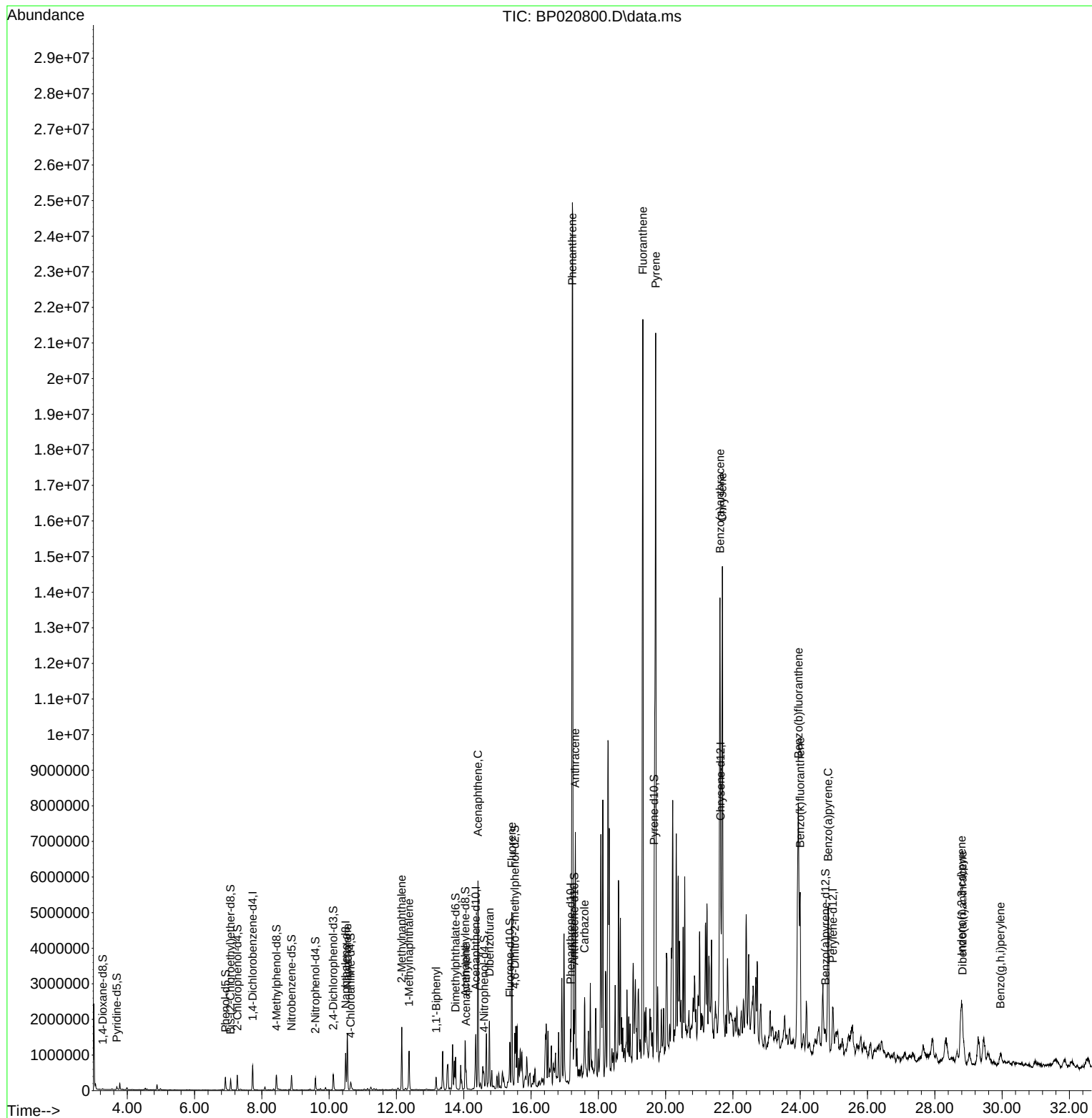
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070524\
 Data File : BP020800.D
 Acq On : 05 Jul 2024 23:45
 Operator : MA/JU
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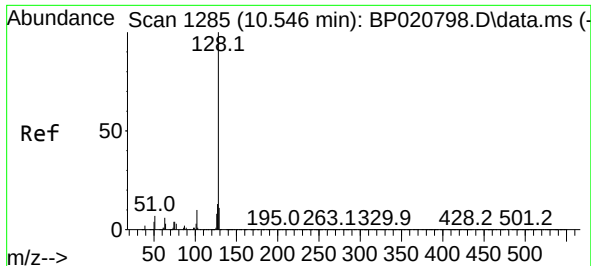
Instrument :
 BNA_P
 ClientSampleId :
 A4CS2

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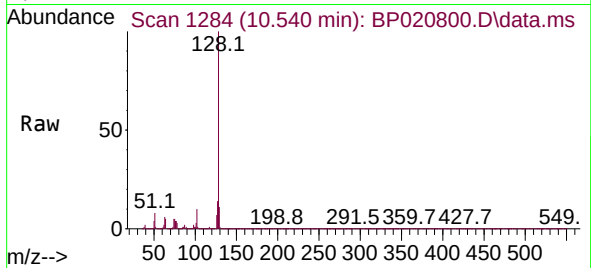
Quant Time: Jul 06 00:14:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
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#30
Naphthalene
Concen: 28.138 ng/ul
RT: 10.540 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BP020800.D
Acq: 05 Jul 2024 23:45

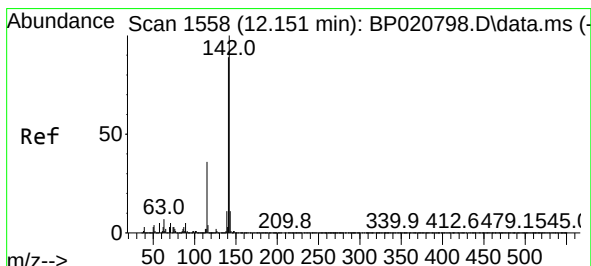
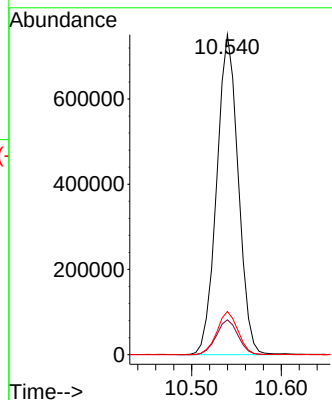
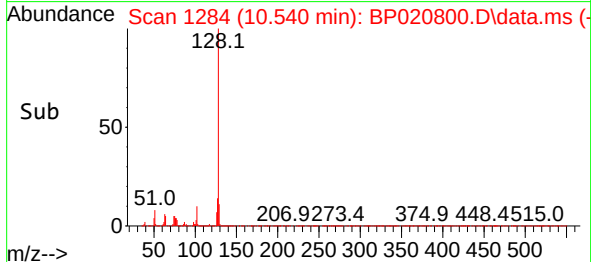
Instrument :
BNA_P
ClientSampleId :
A4CS2



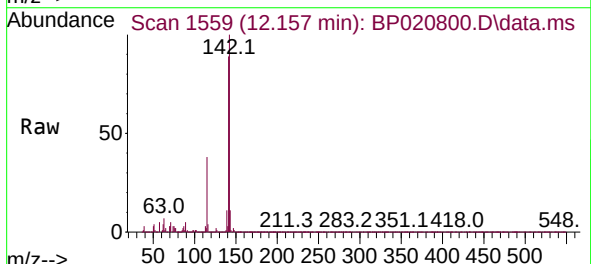
Tgt Ion:128 Resp: 1251210
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.5 10.6 15.8

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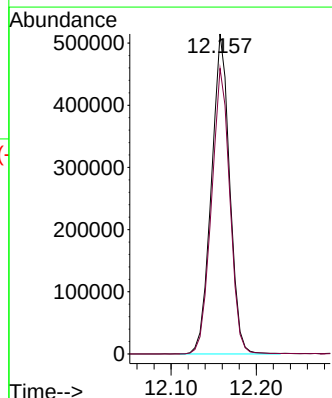
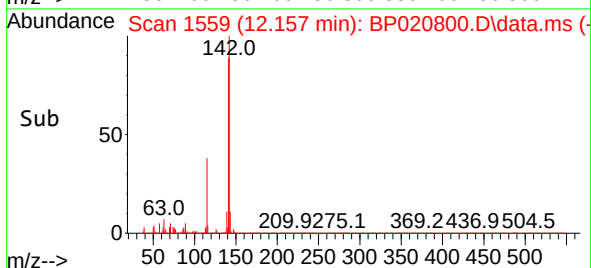
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

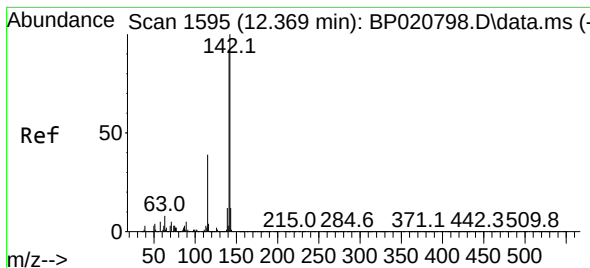


#36
2-Methylnaphthalene
Concen: 25.700 ng/ul
RT: 12.157 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BP020800.D
Acq: 05 Jul 2024 23:45



Tgt Ion:142 Resp: 765503
Ion Ratio Lower Upper
142 100
141 89.3 71.1 106.7





#37

1-Methylnaphthalene

Concen: 17.657 ng/ul

RT: 12.375 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Instrument :

BNA_P

ClientSampleId :

A4CS2

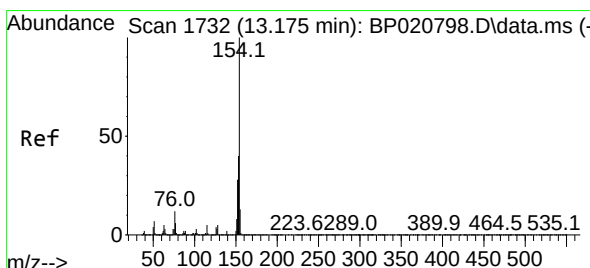
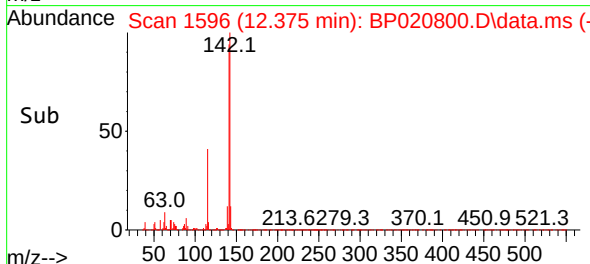
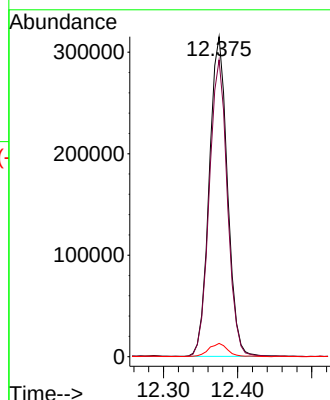
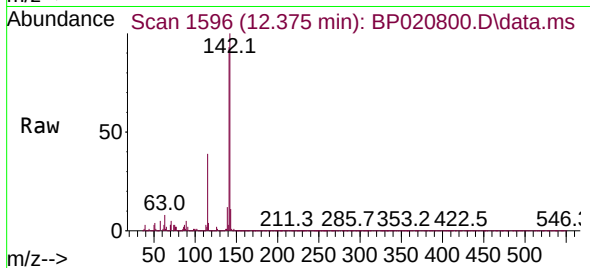
Tgt Ion:	142	Resp:	53765
Ion Ratio	Lower	Upper	
142	100		
141	92.8	74.9	112.3
116	4.1	3.3	4.9

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#43

1,1'-Biphenyl

Concen: 3.939 ng/ul

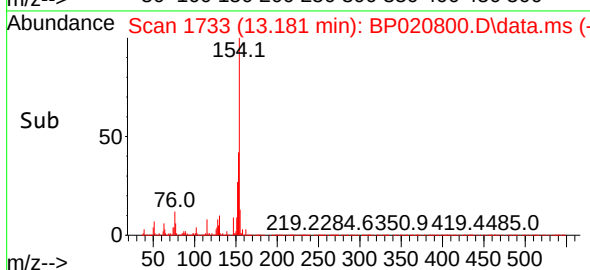
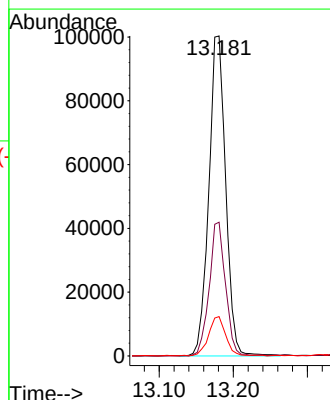
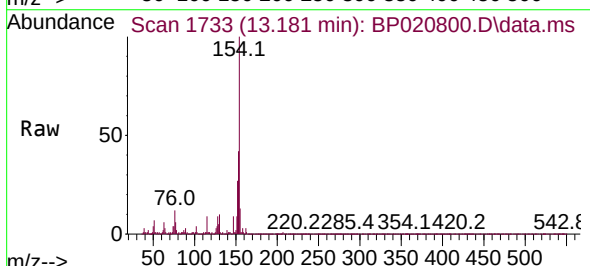
RT: 13.181 min Scan# 1733

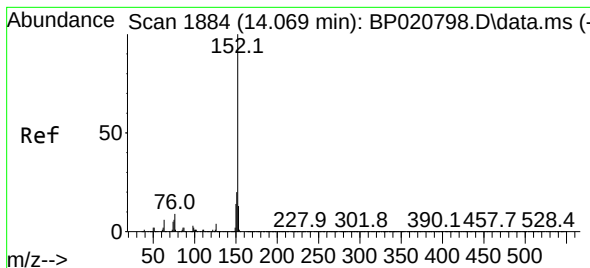
Delta R.T. 0.006 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Tgt Ion:	154	Resp:	158685
Ion Ratio	Lower	Upper	
154	100		
153	41.8	32.6	48.8
76	12.3	10.8	16.2





#50

Acenaphthylene

Concen: 1.269 ng/ul

RT: 14.069 min Scan# 1884

Delta R.T. 0.000 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Instrument :

BNA_P

ClientSampleId :

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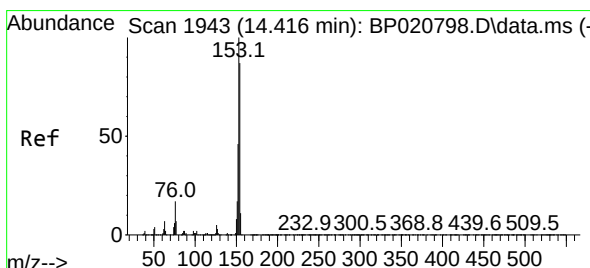
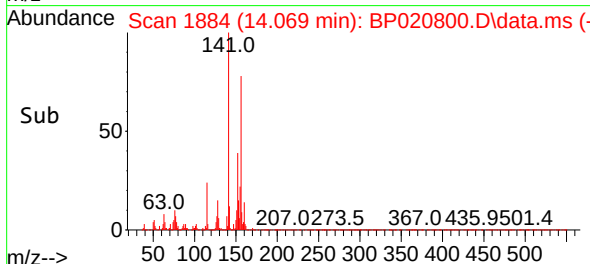
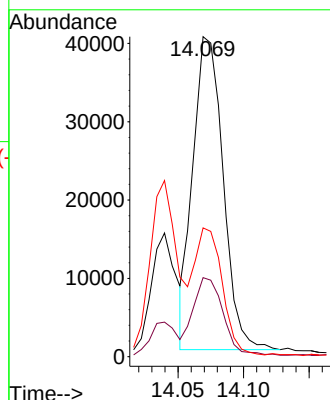
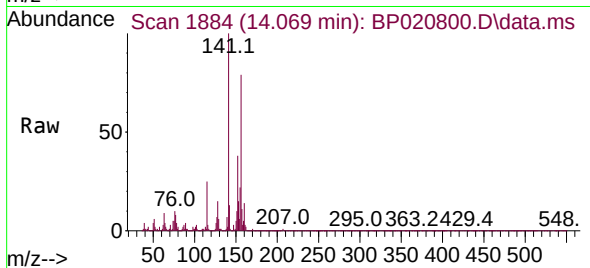
Tgt Ion:	152	Resp:	6408
Ion Ratio	Lower	Upper	
152	100		
151	24.7	16.2	24.4
153	40.2	10.8	16.2

Manual Integrations

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#52

Acenaphthene

Concen: 71.996 ng/ul

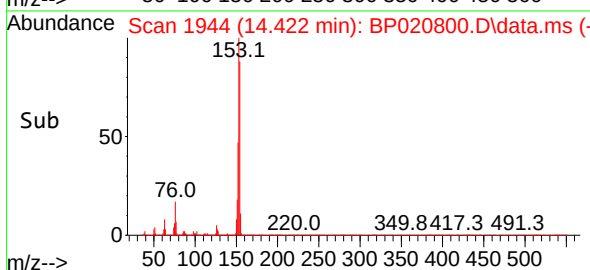
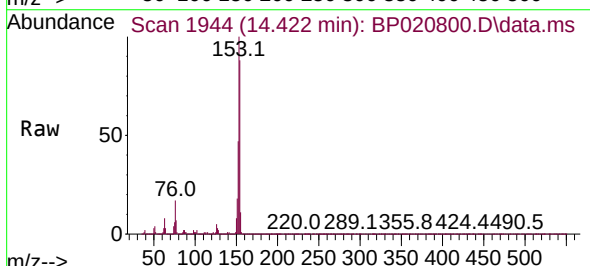
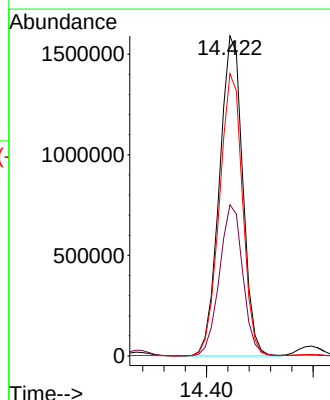
RT: 14.422 min Scan# 1944

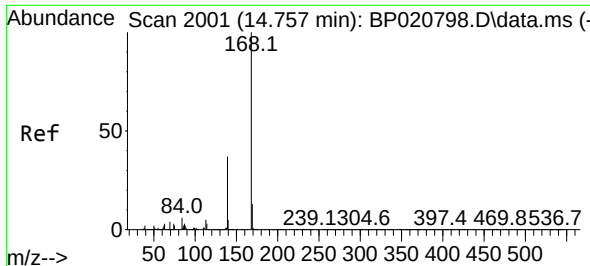
Delta R.T. 0.006 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Tgt Ion:	153	Resp:	2411070
Ion Ratio	Lower	Upper	
153	100		
152	47.3	38.2	57.2
154	88.2	69.8	104.6





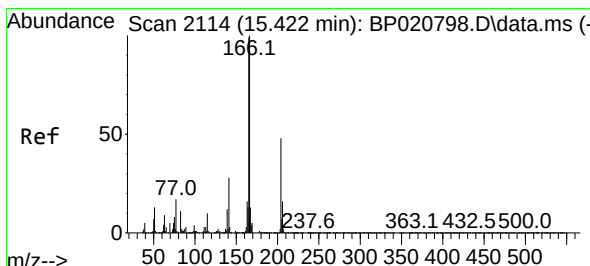
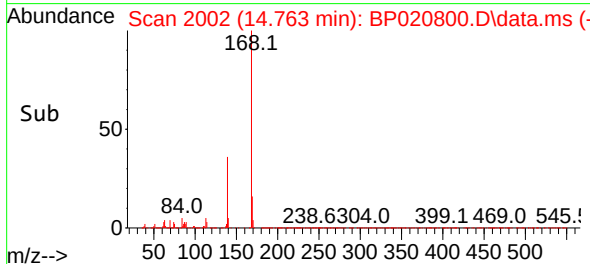
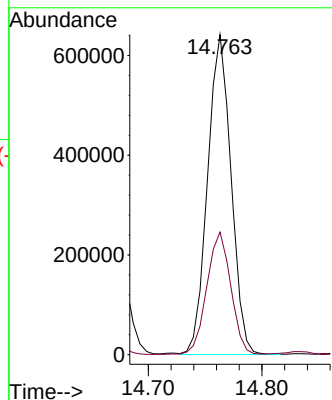
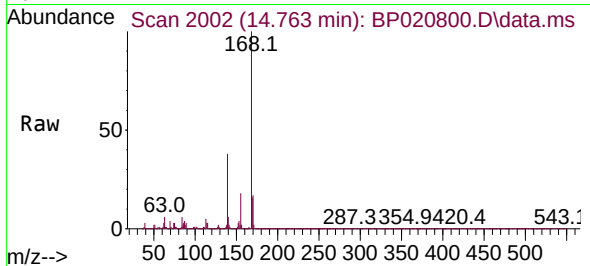
#56
Dibenzofuran
Concen: 20.435 ng/ul
RT: 14.763 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BP020800.D
Acq: 05 Jul 2024 23:45

Instrument :
BNA_P
ClientSampleId :
A4CS2

Tgt Ion:168 Resp: 922168
Ion Ratio Lower Upper
168 100
139 38.3 30.7 46.1

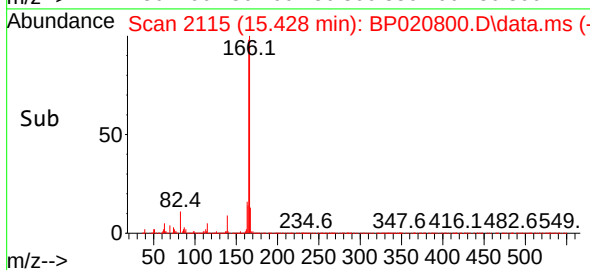
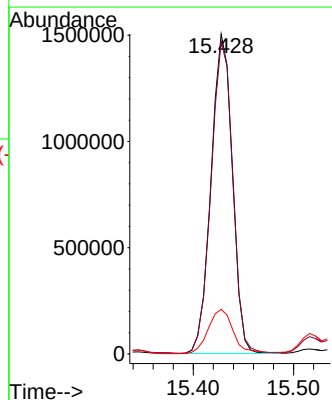
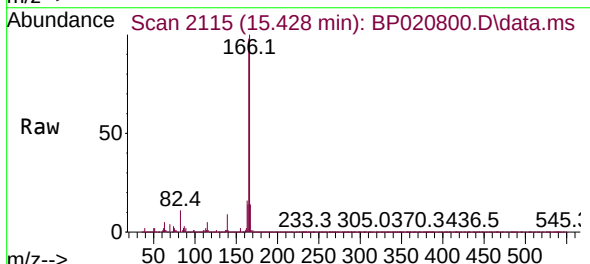
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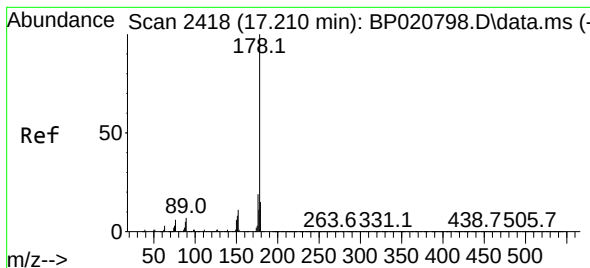
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#61
Fluorene
Concen: 61.359 ng/ul
RT: 15.428 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP020800.D
Acq: 05 Jul 2024 23:45

Tgt Ion:166 Resp: 2224749
Ion Ratio Lower Upper
166 100
165 97.7 78.8 118.2
167 13.9 11.2 16.8





#72

Phenanthrene

Concen: 336.767 ng/ul m

RT: 17.222 min Scan# 2418

Delta R.T. 0.018 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:178 Resp:19277820

Ion Ratio Lower Upper

178 100

179 17.6 12.4 18.6

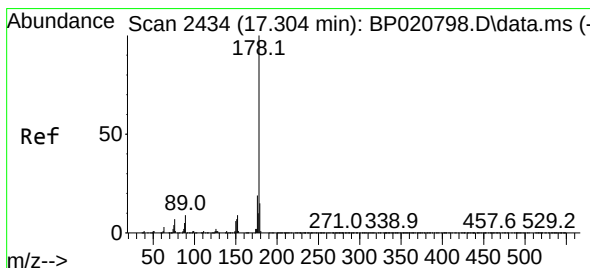
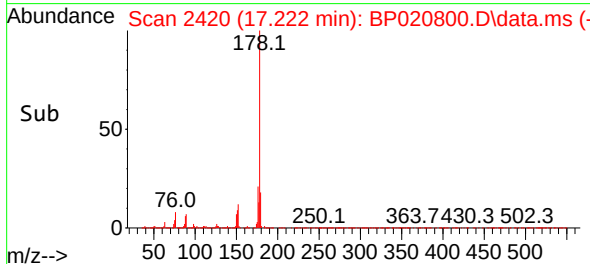
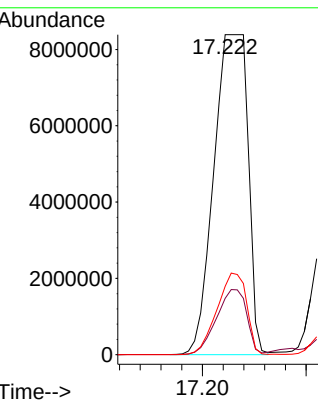
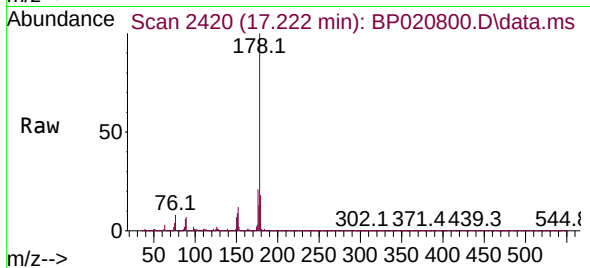
176 21.4 15.4 23.2

Manual Integrations

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#74

Anthracene

Concen: 67.850 ng/ul

RT: 17.316 min Scan# 2436

Delta R.T. 0.018 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

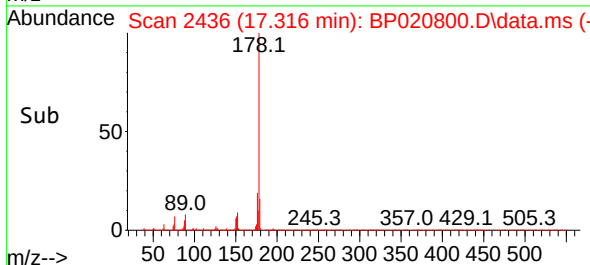
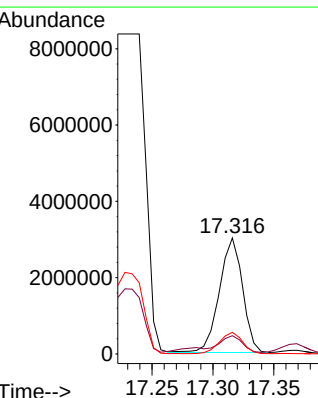
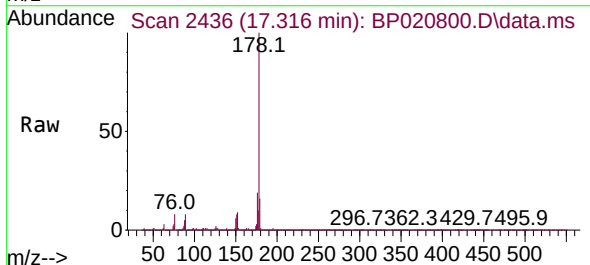
Tgt Ion:178 Resp: 3995160

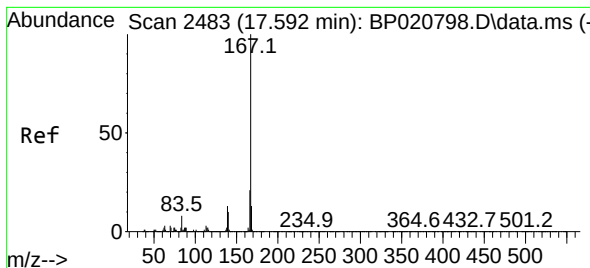
Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

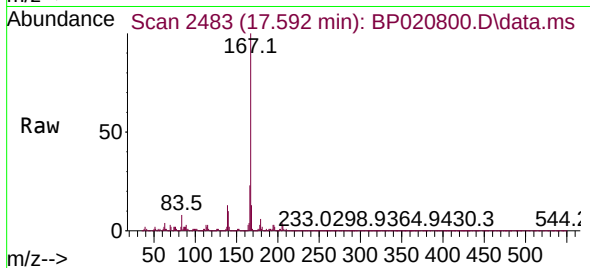
176 18.7 15.0 22.4





#77
 Carbazole
 Concen: 25.371 ng/u1
 RT: 17.592 min Scan# 2483
 Delta R.T. 0.006 min
 Lab File: BP020800.D
 Acq: 05 Jul 2024 23:45

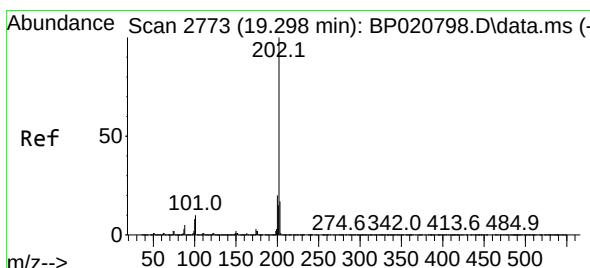
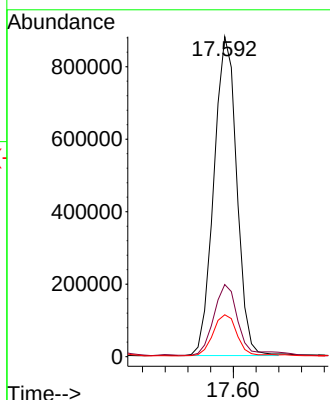
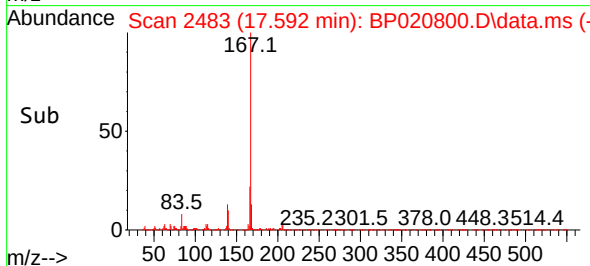
Instrument :
 BNA_P
 ClientSampleId :
 A4CS2



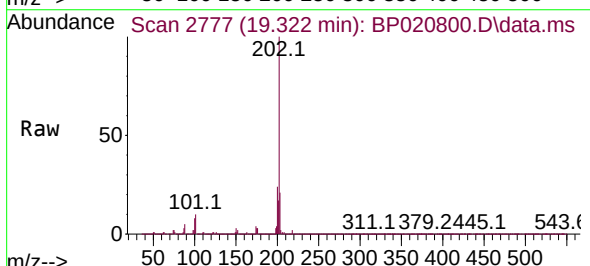
Tgt Ion:167 Resp: 1232938
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.2 25.8
 139 13.1 10.6 16.0

Manual Integrations
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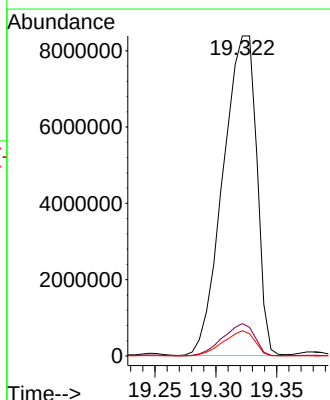
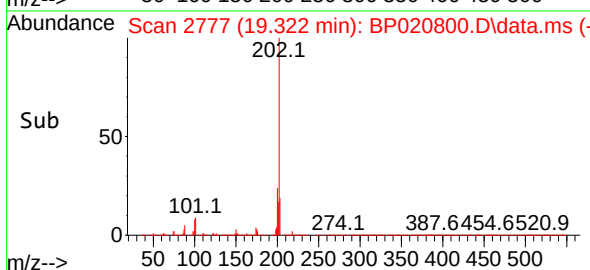
Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

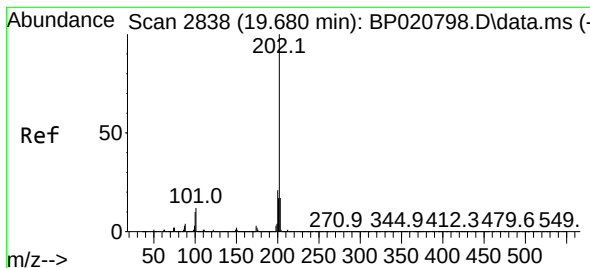


#80
 Fluoranthene
 Concen: 232.452 ng/u1
 RT: 19.322 min Scan# 2777
 Delta R.T. 0.024 min
 Lab File: BP020800.D
 Acq: 05 Jul 2024 23:45



Tgt Ion:202 Resp:16092914
 Ion Ratio Lower Upper
 202 100
 101 10.1 8.2 12.4
 100 7.9 6.6 10.0





#82

Pyrene

Concen: 226.756 ng/ul

RT: 19.704 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:202 Resp:1610012

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

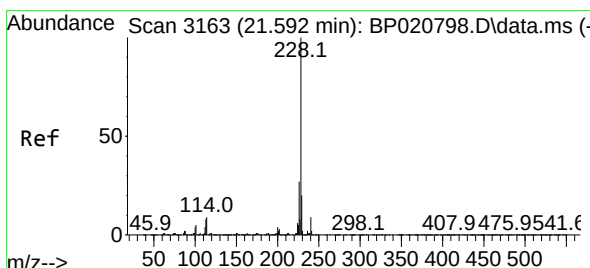
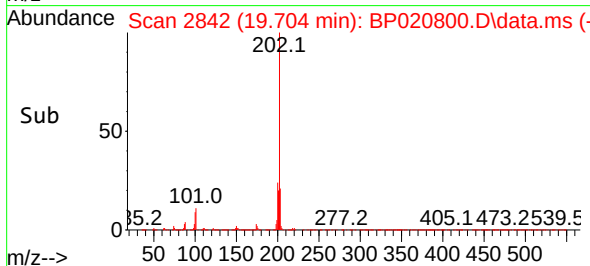
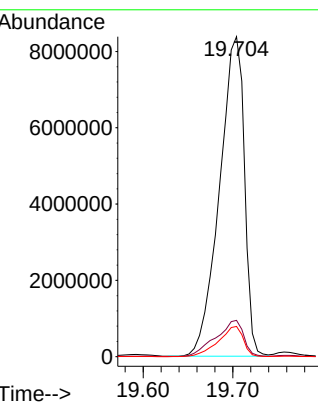
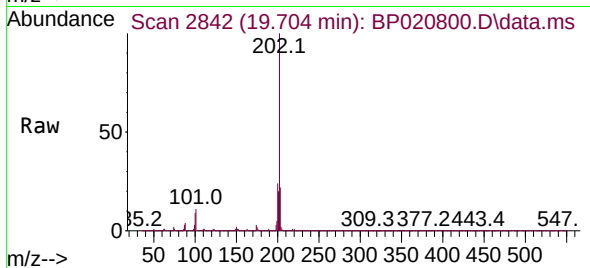
100 9.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#85

Benzo(a)anthracene

Concen: 140.667 ng/ul

RT: 21.616 min Scan# 3167

Delta R.T. 0.018 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

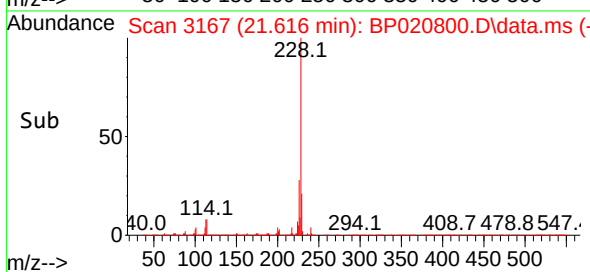
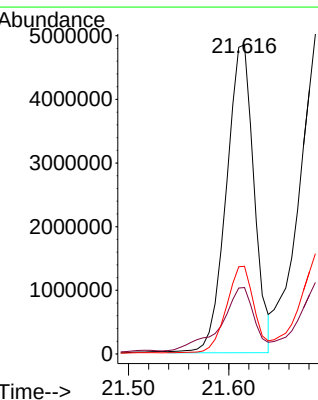
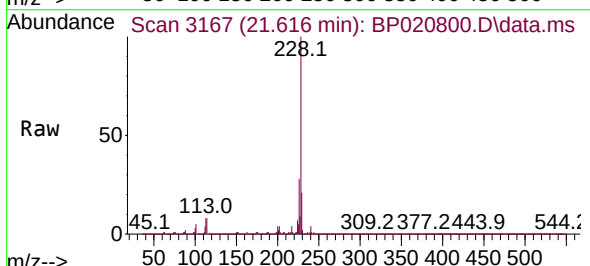
Tgt Ion:228 Resp: 9301798

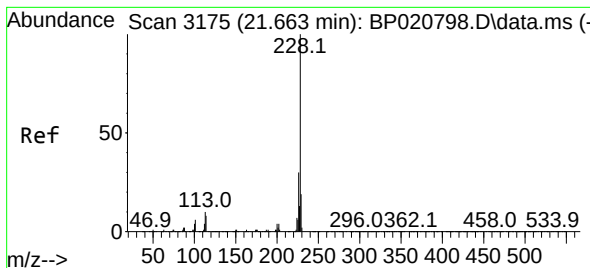
Ion Ratio Lower Upper

228 100

229 21.5 15.2 22.8

226 28.4 21.1 31.7





#87

Chrysene

Concen: 158.107 ng/u1

RT: 21.686 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:228 Resp: 988226

Ion Ratio Lower Upper

228 100

226 31.4 23.8 35.6

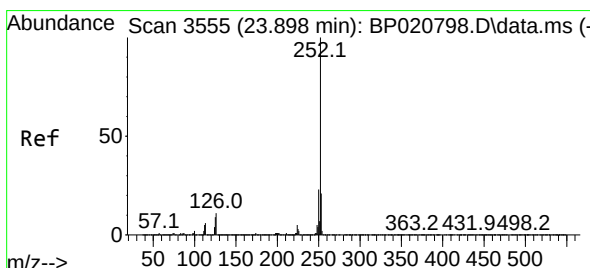
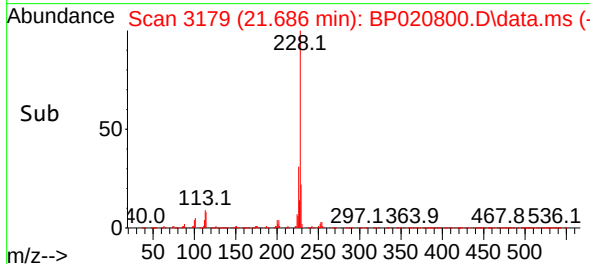
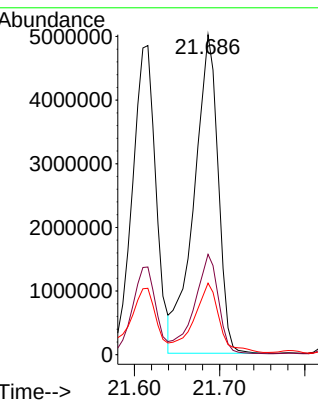
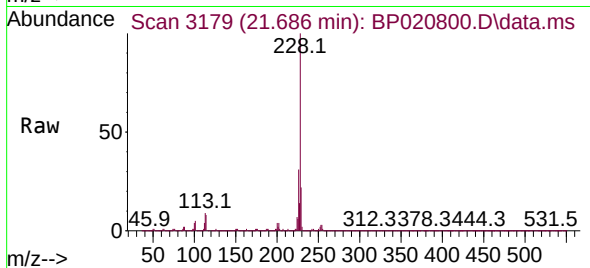
229 22.4 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#90

Benzo(b)fluoranthene

Concen: 133.220 ng/u1

RT: 23.945 min Scan# 3563

Delta R.T. 0.041 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

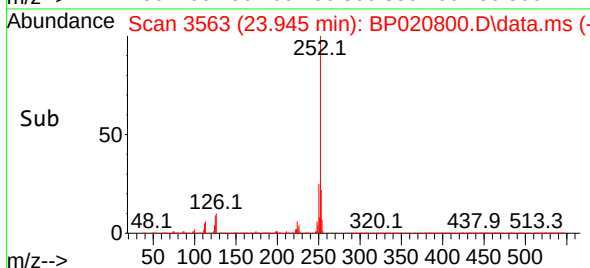
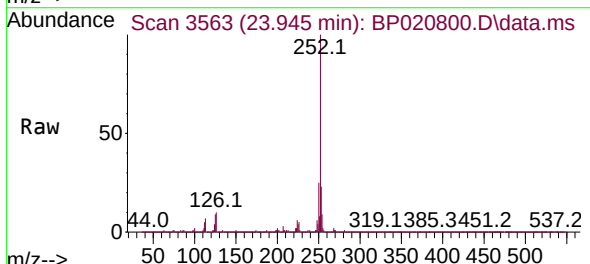
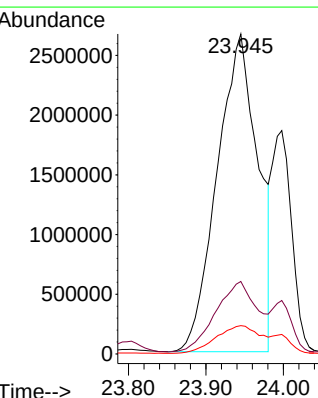
Tgt Ion:252 Resp: 9710090

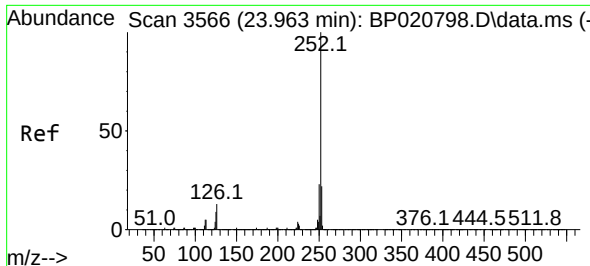
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

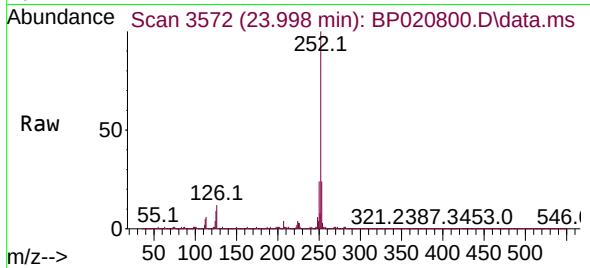
125 8.9 7.9 11.9





#91
Benzo(k)fluoranthene
Concen: 43.519 ng/u1
RT: 23.998 min Scan# 31
Delta R.T. 0.024 min
Lab File: BP020800.D
Acq: 05 Jul 2024 23:45

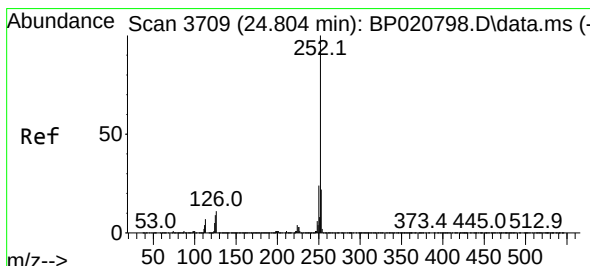
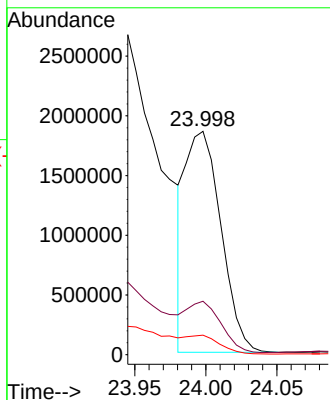
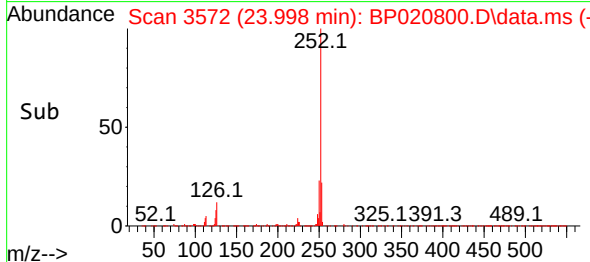
Instrument :
BNA_P
ClientSampleId :
A4CS2



Tgt Ion:252 Resp: 3208580
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 8.7 7.9 11.9

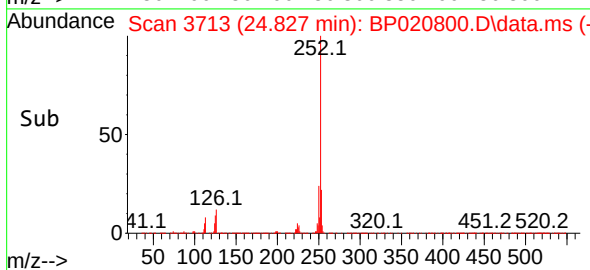
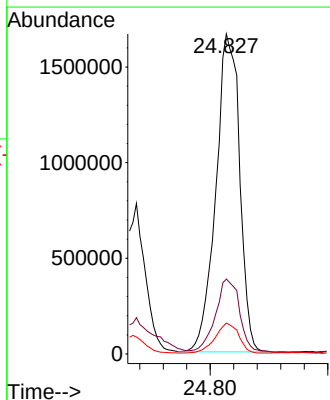
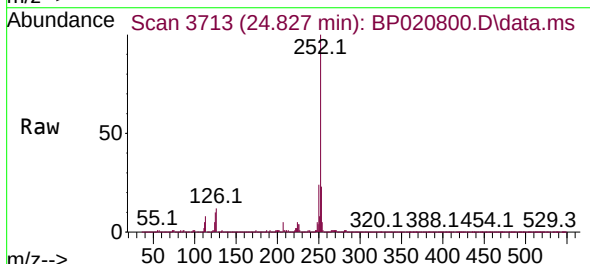
Manual Integrations
APPROVED

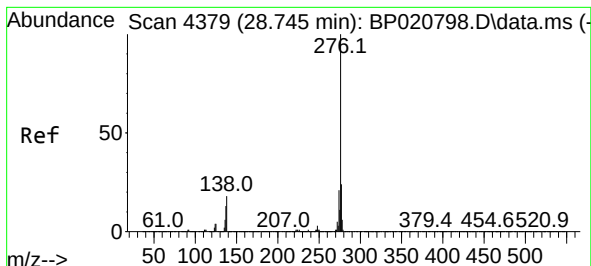
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#93
Benzo(a)pyrene
Concen: 67.729 ng/u1
RT: 24.827 min Scan# 3713
Delta R.T. 0.018 min
Lab File: BP020800.D
Acq: 05 Jul 2024 23:45

Tgt Ion:252 Resp: 4660082
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 9.7 8.7 13.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 38.580 ng/ul

RT: 28.792 min Scan# 4387

Delta R.T. 0.029 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:276 Resp: 340478

Ion Ratio Lower Upper

276 100

138 16.7 15.2 22.8

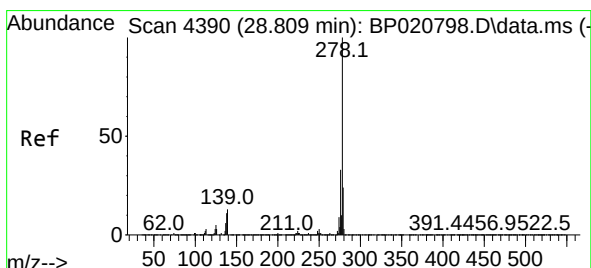
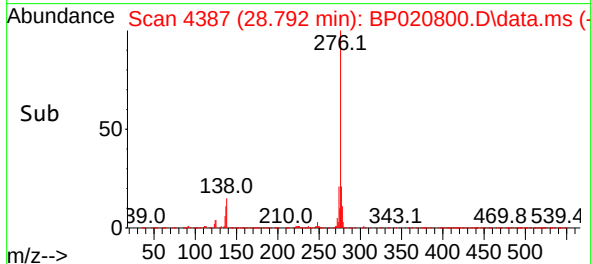
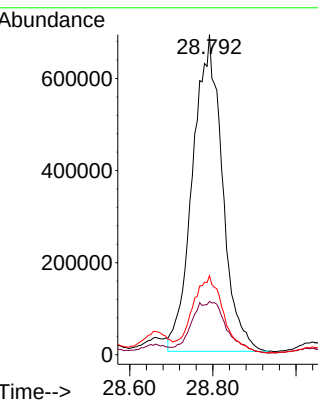
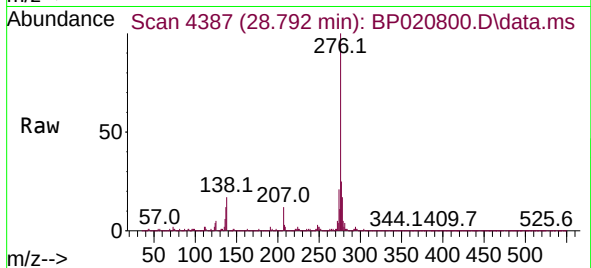
277 24.6 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#95

Dibenzo(a,h)anthracene

Concen: 18.559 ng/ul

RT: 28.827 min Scan# 4393

Delta R.T. -0.012 min

Lab File: BP020800.D

Acq: 05 Jul 2024 23:45

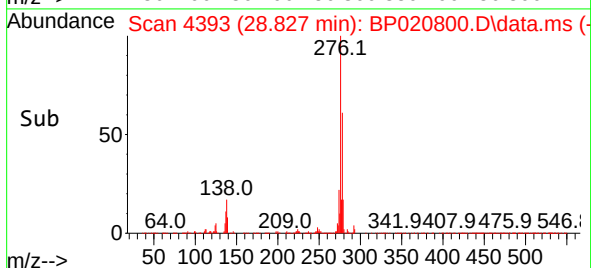
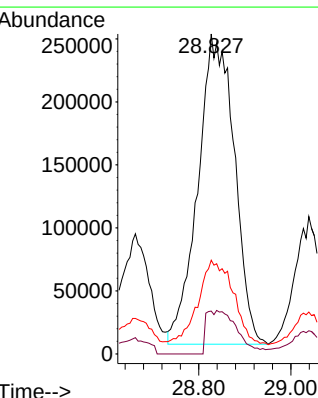
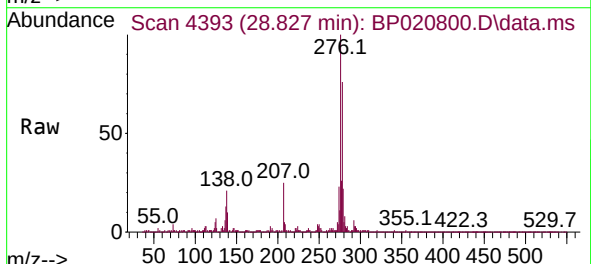
Tgt Ion:278 Resp: 1346140

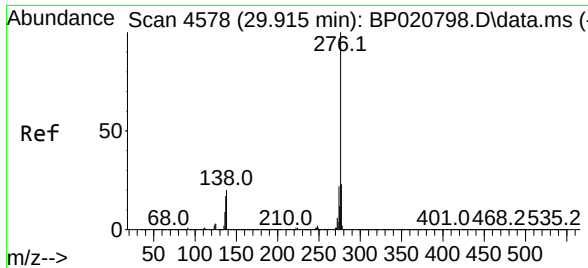
Ion Ratio Lower Upper

278 100

139 13.4 11.1 16.7

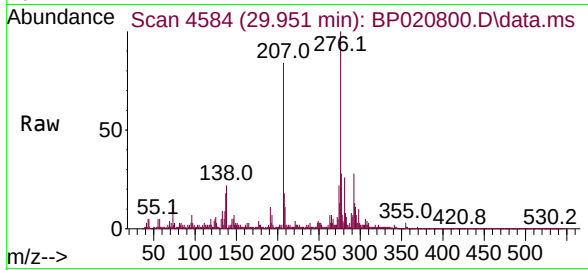
279 29.3 18.7 28.1#





#96
Benzo(g,h,i)perylene
Concen: 7.137 ng/ul m
RT: 29.951 min Scan# 4584
Delta R.T. 0.012 min
Lab File: BP020800.D
Acq: 05 Jul 2024 23:45

Instrument :
BNA_P
ClientSampleId :
A4CS2



Tgt Ion: 276 Resp: 51427

Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.4	24.6
277	28.0	18.7	28.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

