

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
 Data File : BP023874.D
 Acq On : 03 Feb 2025 11:11
 Operator : RC/JU
 Sample : Q1248-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A6318

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 03 11:50:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 11:19:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	386823	20.000	ng/u1	0.00
20) Naphthalene-d8	10.552	136	1655048	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.393	164	1041404	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.186	188	2098566	20.000	ng/u1	0.00
79) Chrysene-d12	21.639	240	2103274	20.000	ng/u1	0.00
88) Perylene-d12	25.010	264	2204761	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	33254	3.572	ng/uL	0.00
4) Pyridine-d5	3.717	84	54361	2.024	ng/u1	0.01
7) Phenol-d5	6.958	99	686110	20.043	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.111	67	379352	20.936	ng/u1	0.00
11) 2-Chlorophenol-d4	7.316	132	538981	20.050	ng/u1	0.00
15) 4-Methylphenol-d8	8.481	113	541744	19.373	ng/u1	0.00
21) Nitrobenzene-d5	8.922	128	259474	19.596	ng/u1	0.00
24) 2-Nitrophenol-d4	9.640	143	272082	19.043	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.181	165	487035	18.581	ng/u1	0.01
31) 4-Chloroaniline-d4	10.681	131	665645	16.981	ng/u1	0.00
46) Dimethylphthalate-d6	13.798	166	1518344	19.546	ng/u1	0.00
49) Acenaphthylene-d8	14.081	160	1778467	20.300	ng/u1	0.00
54) 4-Nitrophenol-d4	14.604	143	307581	19.938	ng/u1	0.00
60) Fluorene-d10	15.398	176	1468781	22.453	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.510	200	173042	13.366	ng/u1	0.00
73) Anthracene-d10	17.292	188	2678195	25.992	ng/u1	0.00
81) Pyrene-d10	19.663	212	3243228	28.778	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.780	264	3258107	28.323	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.604	128	563330	6.359	ng/u1	100
50) Acenaphthylene	14.116	152	645778	6.922	ng/u1	99
52) Acenaphthene	14.457	153	805083	12.171	ng/u1	99
61) Fluorene	15.451	166	493004	6.483	ng/u1	99
72) Phenanthrene	17.234	178	1579094	13.324	ng/u1	100
74) Anthracene	17.328	178	1481753	12.398	ng/u1	100
80) Fluoranthene	19.310	202	1125106	8.667	ng/u1	99
82) Pyrene	19.686	202	514721	3.792	ng/u1	98
85) Benzo(a)anthracene	21.616	228	156672	1.133	ng/u1	99
87) Chrysene	21.686	228	434838	3.412	ng/u1	99
90) Benzo(b)fluoranthene	23.933	252	431512	3.226	ng/u1#	97
91) Benzo(k)fluoranthene	24.004	252	351763	2.623	ng/u1	98
93) Benzo(a)pyrene	24.851	252	560694	4.488	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.833	276	696678m	4.302	ng/u1	
95) Dibenzo(a,h)anthracene	28.898	278	680005m	5.177	ng/u1	
96) Benzo(g,h,i)perylene	30.021	276	498810	4.021	ng/u1	97

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

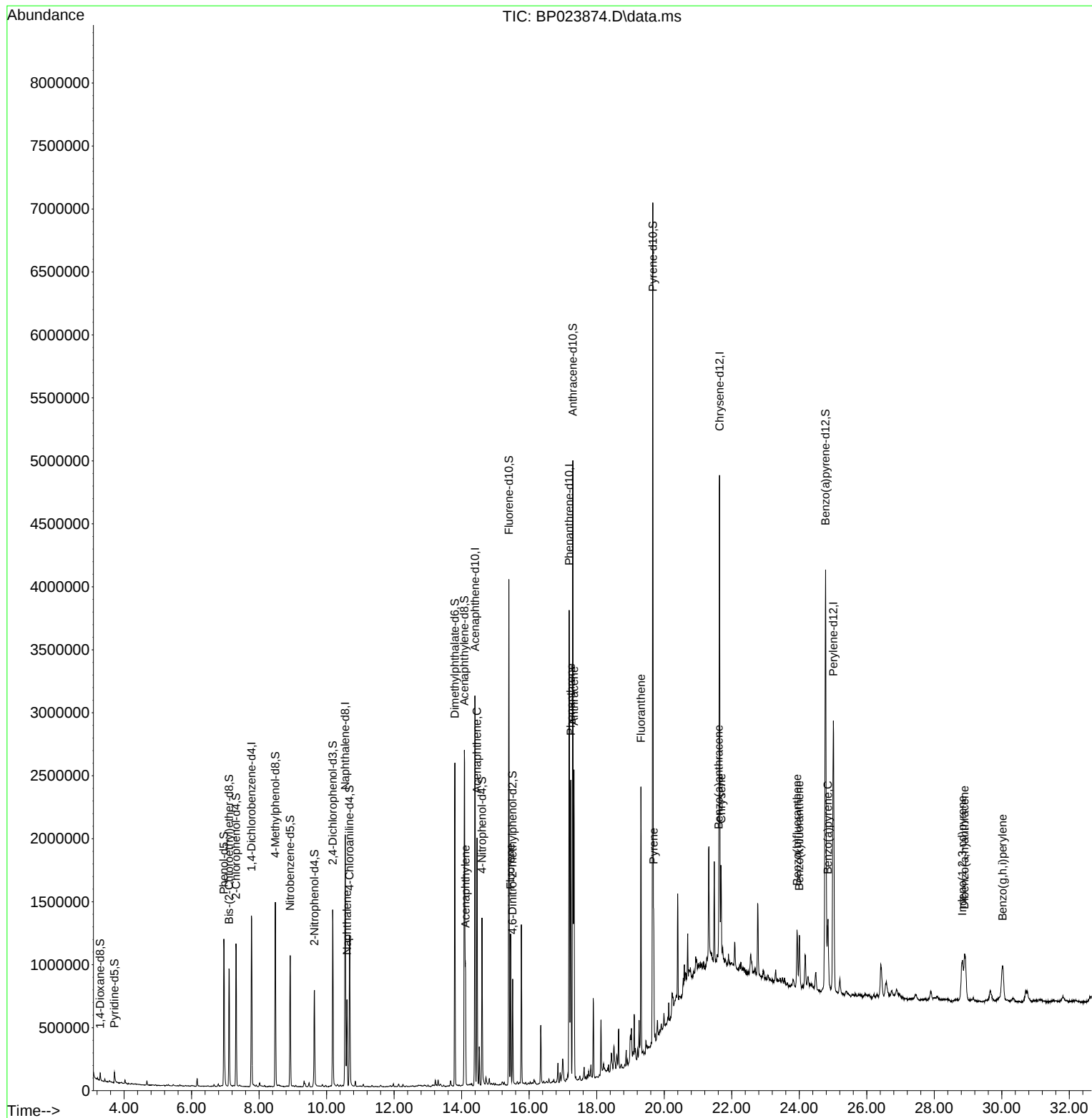
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
 Data File : BP023874.D
 Acq On : 03 Feb 2025 11:11
 Operator : RC/JU
 Sample : Q1248-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

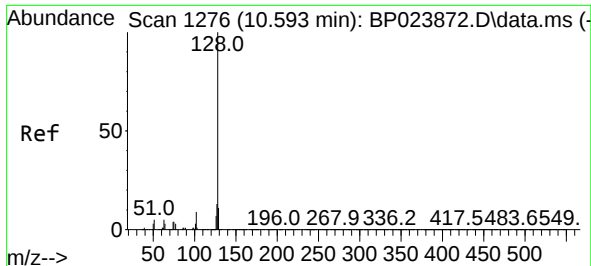
Instrument :
 BNA_P
 ClientSampleId :
 A6318

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 03 11:50:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 11:19:36 2025
 Response via : Initial Calibration





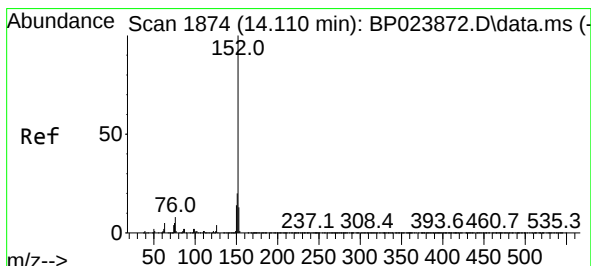
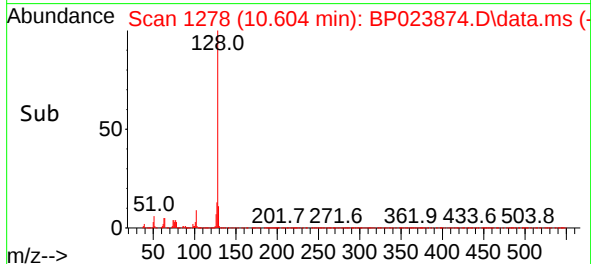
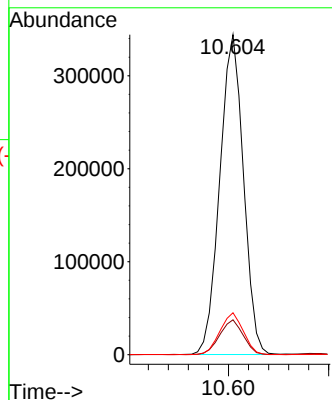
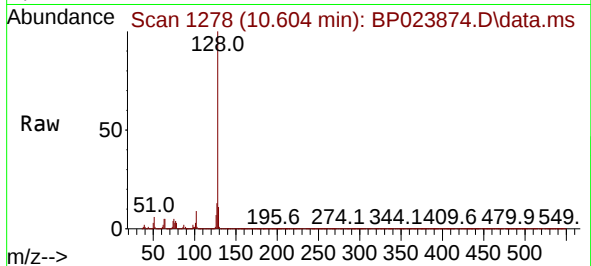
#30
Naphthalene
Concen: 6.359 ng/u1
RT: 10.604 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

Instrument :
BNA_P
ClientSampleId :
A6318

Tgt Ion:128 Resp: 563330
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.1 10.5 15.7

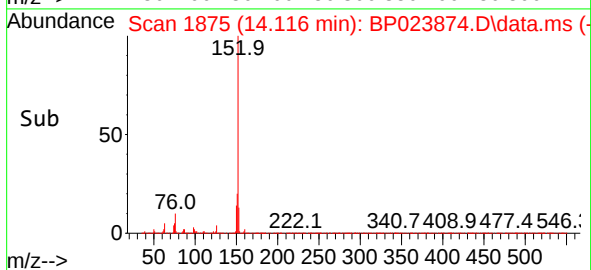
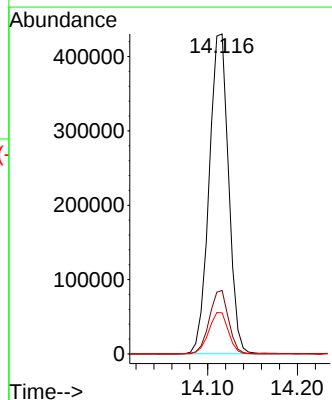
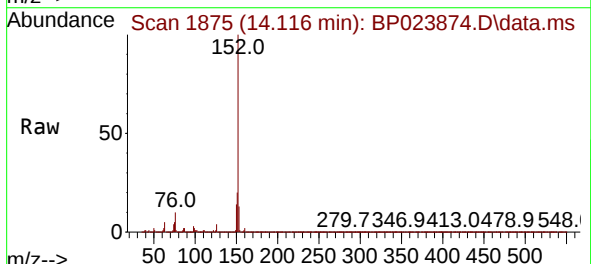
Manual Integrations
APPROVED

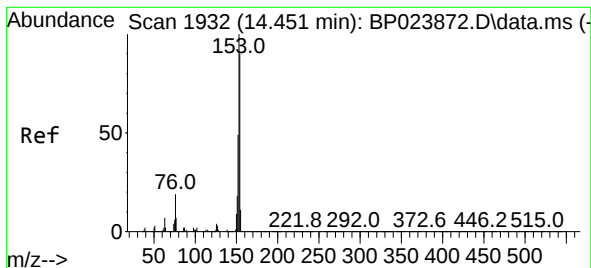
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#50
Acenaphthylene
Concen: 6.922 ng/u1
RT: 14.116 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

Tgt Ion:152 Resp: 645778
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 12.8 10.4 15.6





#52

Acenaphthene

Concen: 12.171 ng/ul

RT: 14.457 min Scan# 1933

Delta R.T. 0.006 min

Lab File: BP023874.D

Acq: 03 Feb 2025 11:11

Instrument :

BNA_P

ClientSampleId :

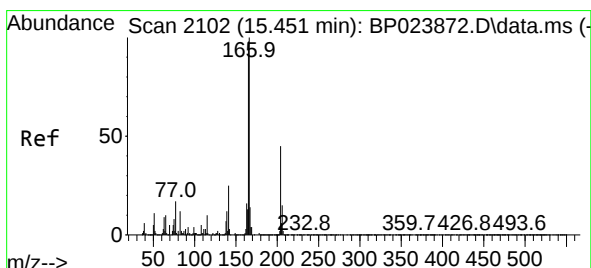
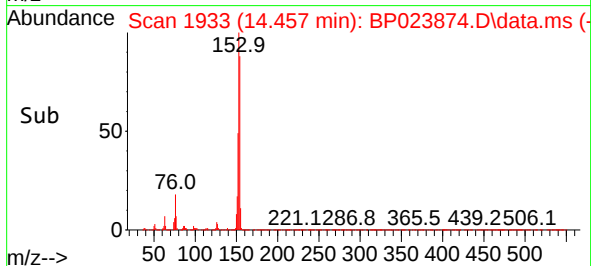
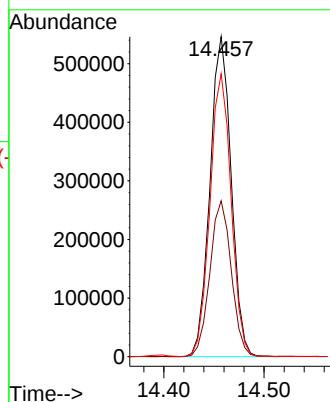
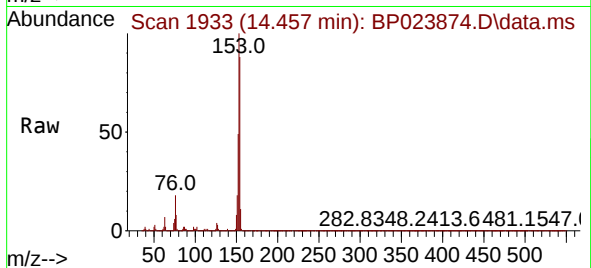
A6318

Tgt Ion:153	Resp: 80508
Ion Ratio	Lower Upper
153	100
152	48.7 38.2 57.4
154	88.4 71.2 106.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#61

Fluorene

Concen: 6.483 ng/ul

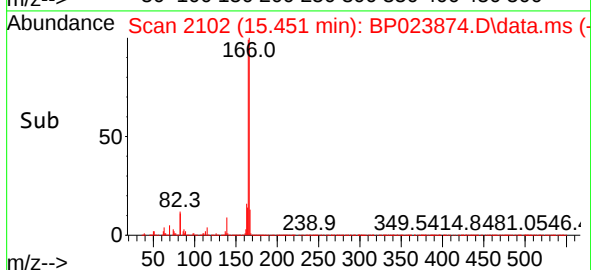
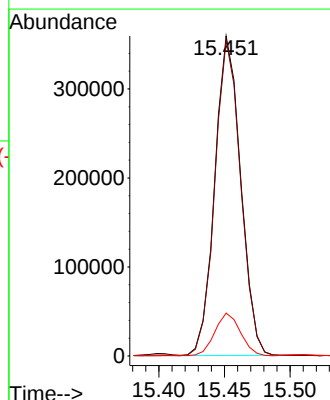
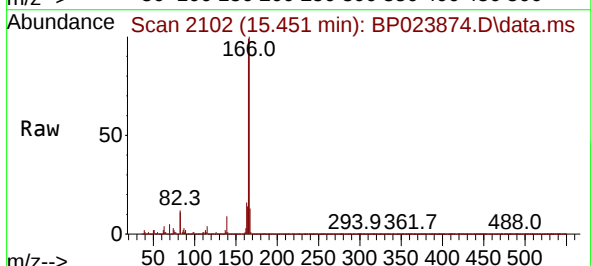
RT: 15.451 min Scan# 2102

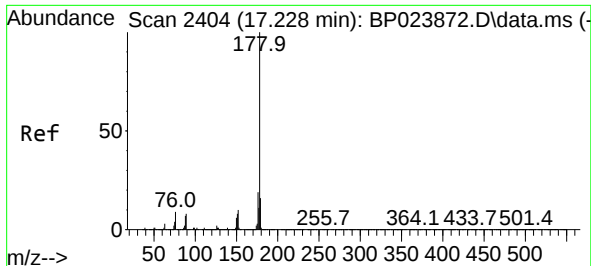
Delta R.T. -0.000 min

Lab File: BP023874.D

Acq: 03 Feb 2025 11:11

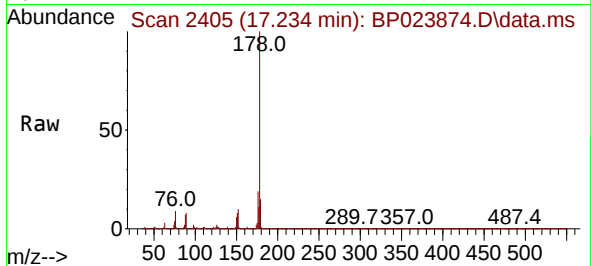
Tgt Ion:166	Resp: 493004
Ion Ratio	Lower Upper
166	100
165	98.7 77.9 116.9
167	13.4 10.6 16.0





#72
Phenanthrene
Concen: 13.324 ng/ul
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

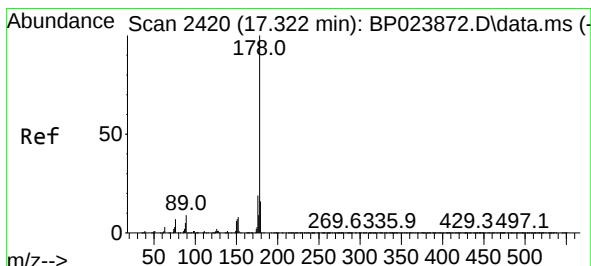
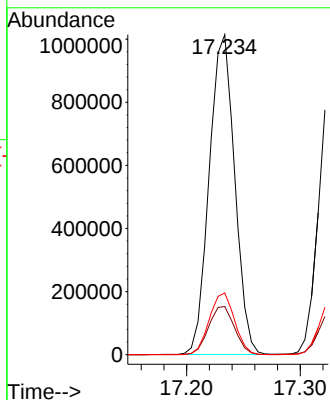
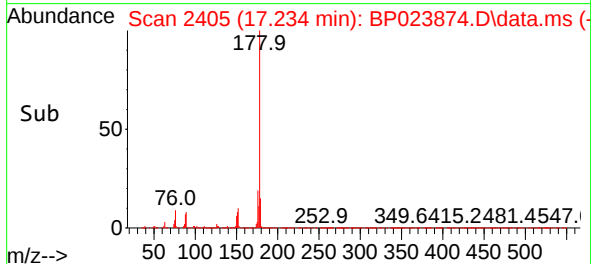
Instrument :
BNA_P
ClientSampleId :
A6318



Tgt Ion:178 Resp: 1579094
Ion Ratio Lower Upper
178 100
179 15.1 12.2 18.4
176 19.3 15.6 23.4

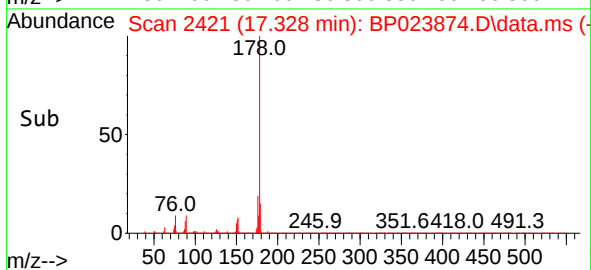
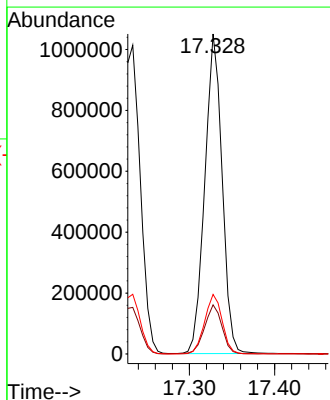
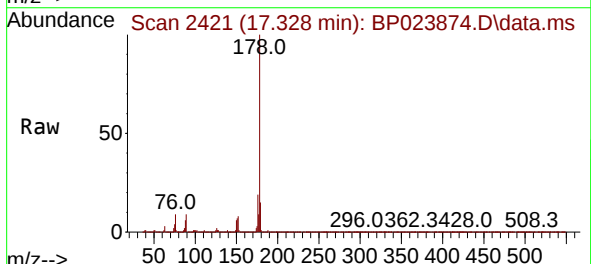
Manual Integrations
APPROVED

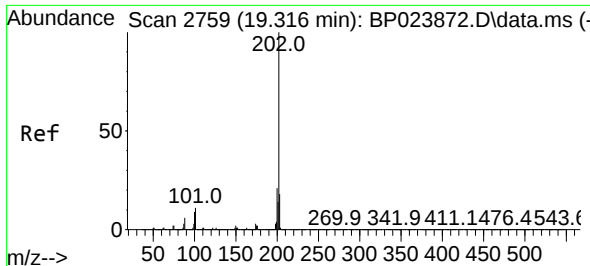
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#74
Anthracene
Concen: 12.398 ng/ul
RT: 17.328 min Scan# 2421
Delta R.T. 0.006 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

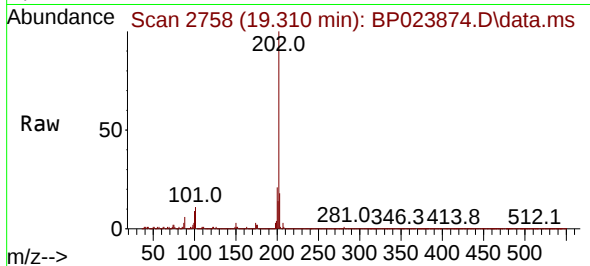
Tgt Ion:178 Resp: 1481753
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 18.6 15.0 22.4





#80
Fluoranthene
Concen: 8.667 ng/ul
RT: 19.310 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

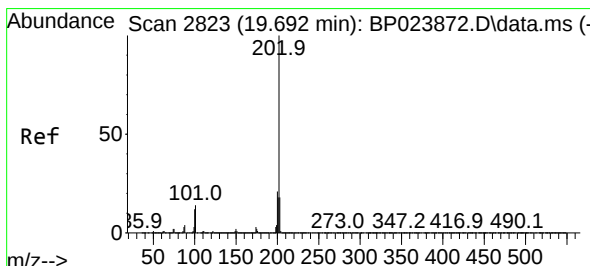
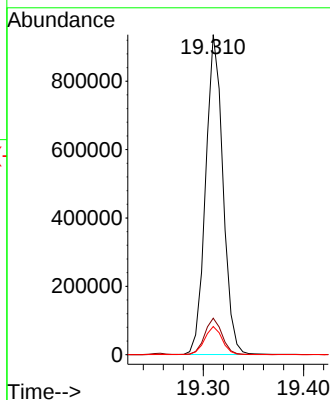
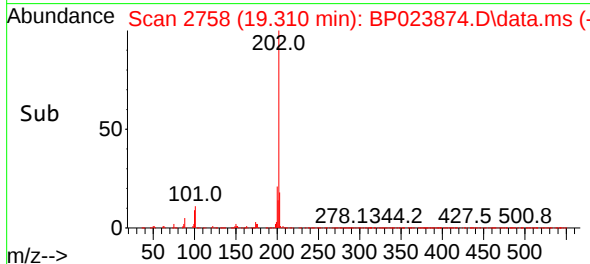
Instrument :
BNA_P
ClientSampleId :
A6318



Tgt Ion:202 Resp: 1125100
Ion Ratio Lower Upper
202 100
101 11.4 9.4 14.2
100 8.8 7.0 10.6

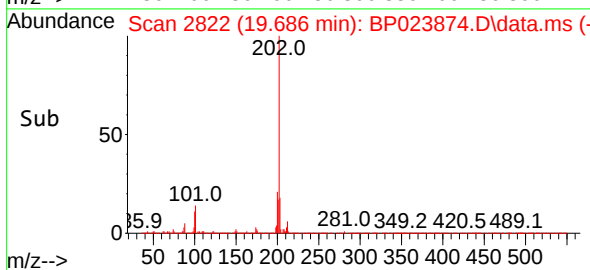
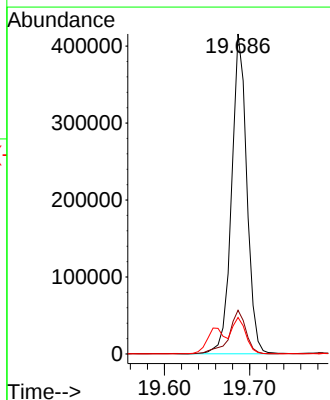
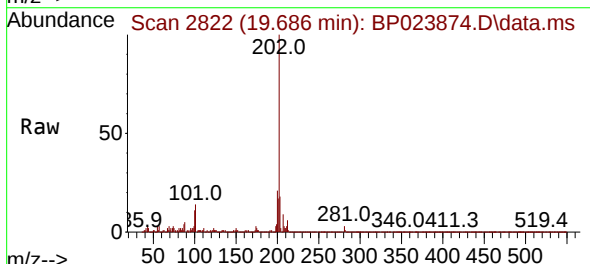
Manual Integrations
APPROVED

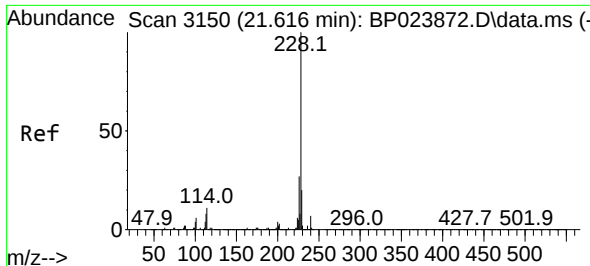
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#82
Pyrene
Concen: 3.792 ng/ul
RT: 19.686 min Scan# 2822
Delta R.T. -0.006 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

Tgt Ion:202 Resp: 514721
Ion Ratio Lower Upper
202 100
101 13.7 10.4 15.6
100 11.4 8.6 12.8





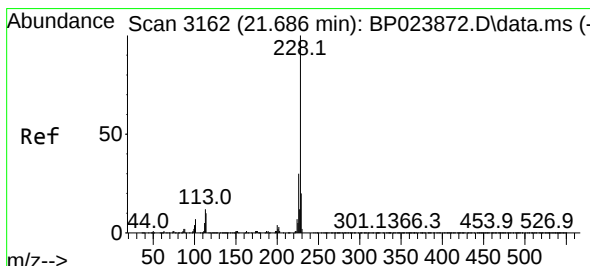
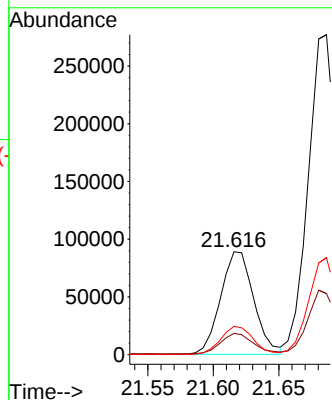
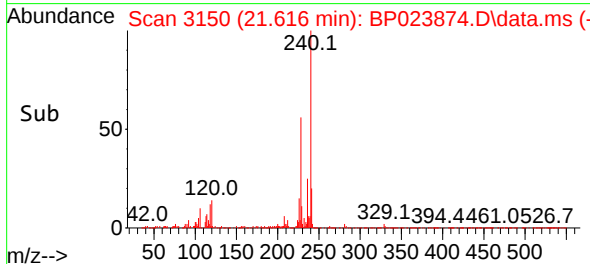
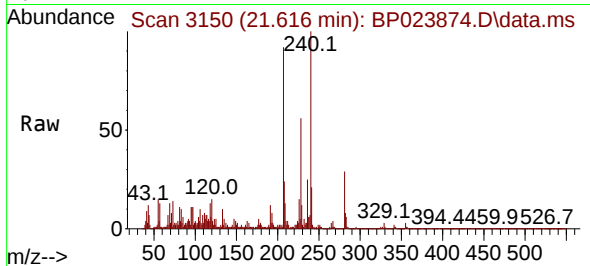
#85
Benzo(a)anthracene
Concen: 1.133 ng/u1
RT: 21.616 min Scan# 3150
Delta R.T. -0.000 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

Instrument :
BNA_P
ClientSampleId :
A6318

Tgt Ion:228 Resp: 156672
Ion Ratio Lower Upper
228 100
229 20.7 15.9 23.9
226 27.5 21.7 32.5

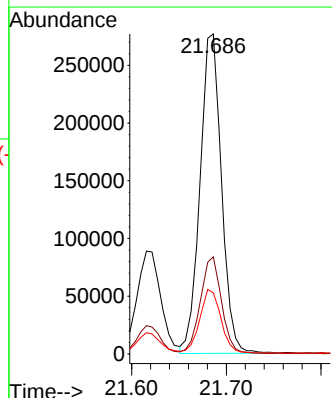
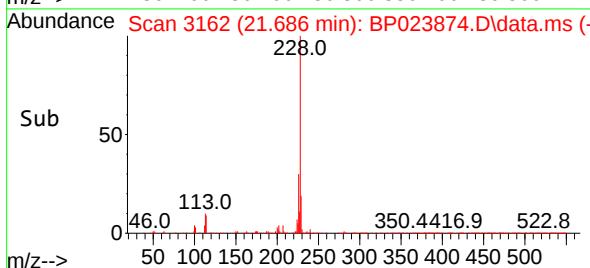
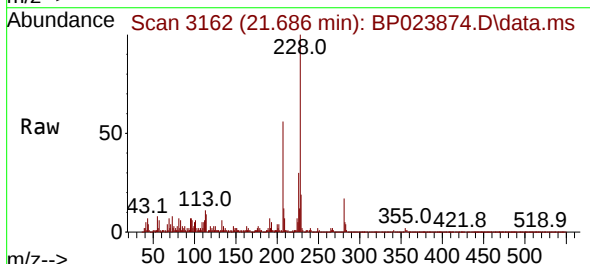
Manual Integrations
APPROVED

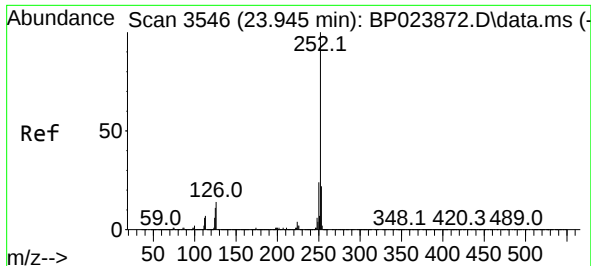
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#87
Chrysene
Concen: 3.412 ng/u1
RT: 21.686 min Scan# 3162
Delta R.T. -0.000 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

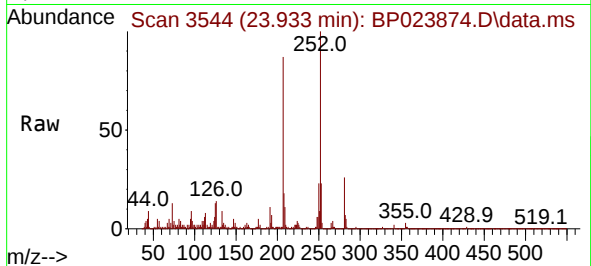
Tgt Ion:228 Resp: 434838
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 19.1 15.7 23.5





#90
Benzo(b)fluoranthene
Concen: 3.226 ng/ul
RT: 23.933 min Scan# 3544
Delta R.T. -0.012 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11

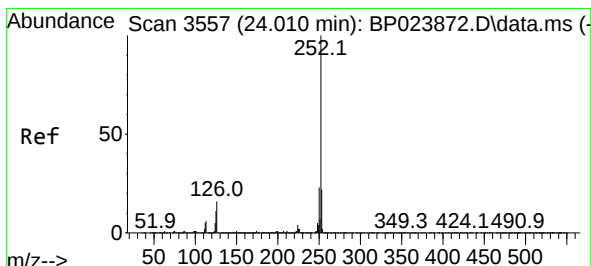
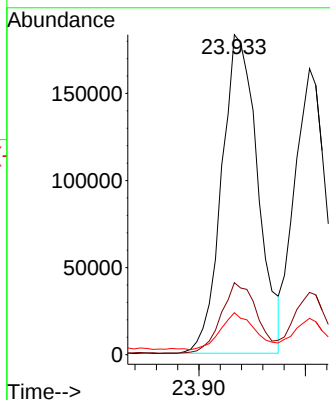
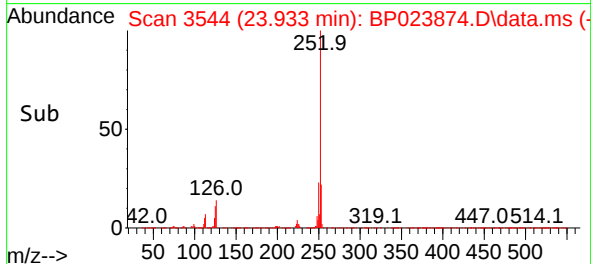
Instrument :
BNA_P
ClientSampleId :
A6318



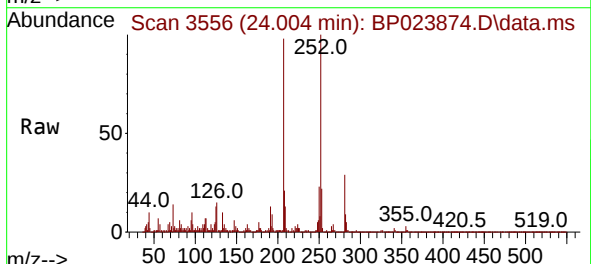
Tgt Ion:252 Resp: 43151
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 13.1 8.2 12.2

Manual Integrations
APPROVED

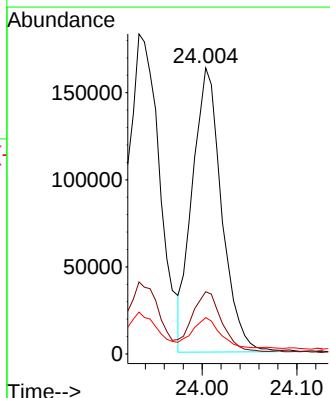
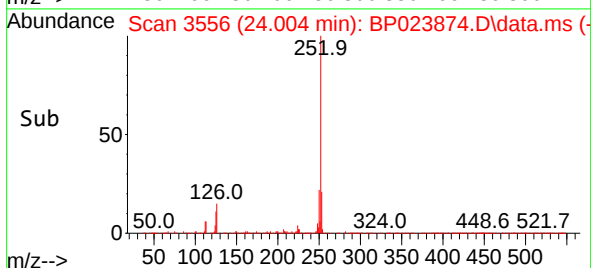
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

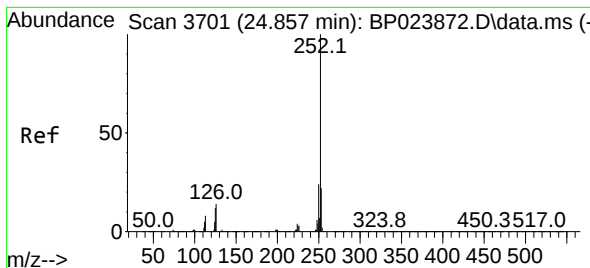


#91
Benzo(k)fluoranthene
Concen: 2.623 ng/ul
RT: 24.004 min Scan# 3556
Delta R.T. -0.006 min
Lab File: BP023874.D
Acq: 03 Feb 2025 11:11



Tgt Ion:252 Resp: 351763
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.7 8.5 12.7





#93

Benzo(a)pyrene

Concen: 4.488 ng/ul

RT: 24.851 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP023874.D

Acq: 03 Feb 2025 11:11

Instrument :

BNA_P

ClientSampleId :

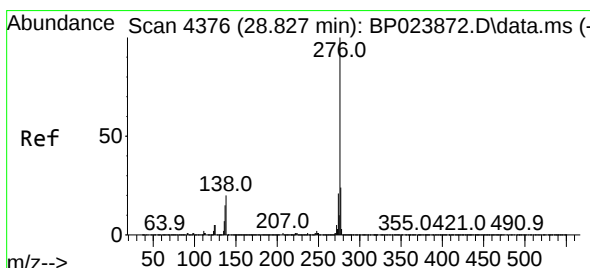
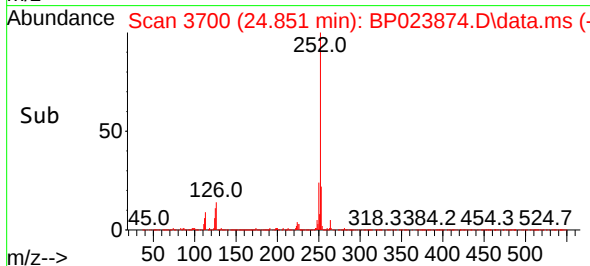
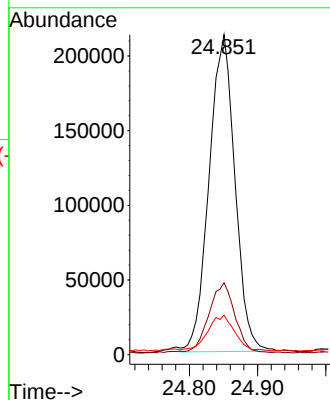
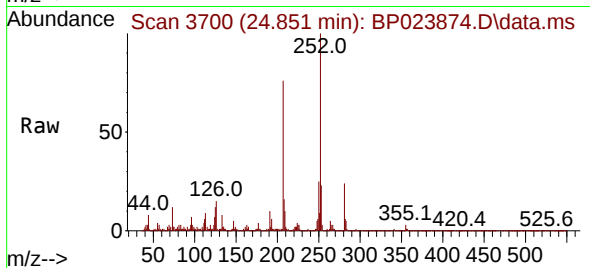
A6318

Tgt Ion:252	Resp: 560694
Ion Ratio	Lower Upper
252 100	
253 22.5	17.8 26.6
125 12.4	9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.302 ng/ul m

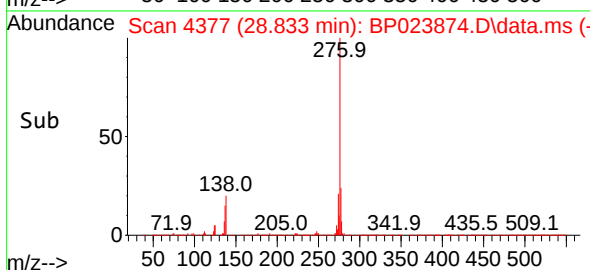
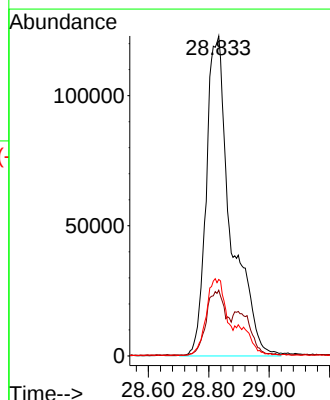
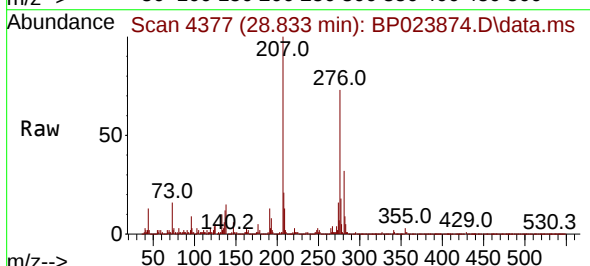
RT: 28.833 min Scan# 4377

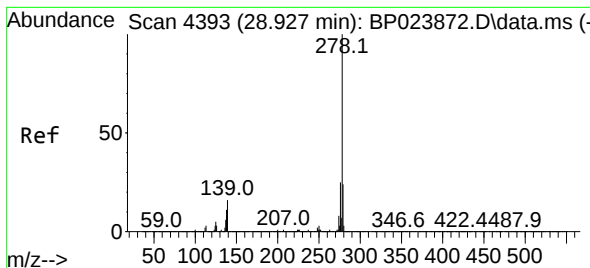
Delta R.T. 0.006 min

Lab File: BP023874.D

Acq: 03 Feb 2025 11:11

Tgt Ion:276	Resp: 696678
Ion Ratio	Lower Upper
276 100	
138 20.5	15.9 23.9
277 23.9	19.0 28.4





#95

Dibenzo(a,h)anthracene

Concen: 5.177 ng/ul m

RT: 28.898 min Scan# 4393

Delta R.T. -0.029 min

Lab File: BP023874.D

Acq: 03 Feb 2025 11:11

Instrument :

BNA_P

ClientSampleId :

A6318

Tgt Ion:278 Resp: 68000

Ion Ratio Lower Upper

278 100

139 15.9 12.7 19.1

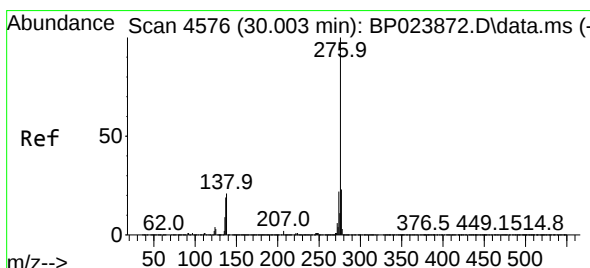
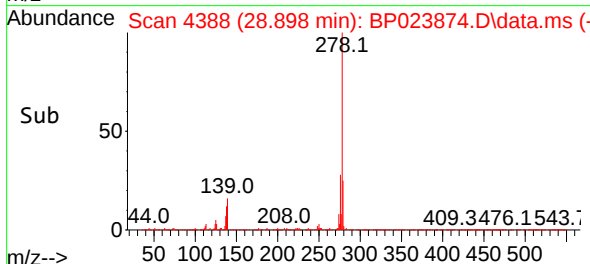
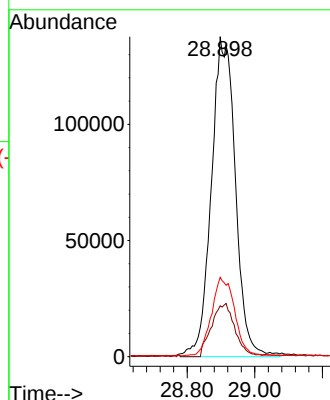
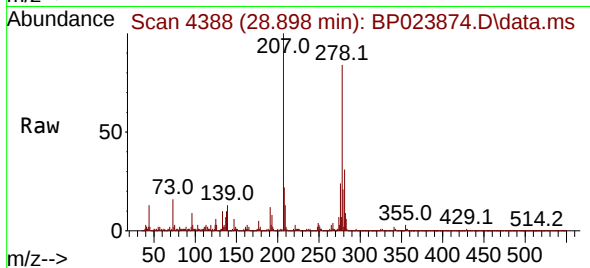
279 24.8 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#96

Benzo(g,h,i)perylene

Concen: 4.021 ng/ul

RT: 30.021 min Scan# 4579

Delta R.T. 0.018 min

Lab File: BP023874.D

Acq: 03 Feb 2025 11:11

Tgt Ion:276 Resp: 498810

Ion Ratio Lower Upper

276 100

138 19.8 17.8 26.6

277 23.6 19.0 28.6

