

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
 Data File : BP023876.D
 Acq On : 03 Feb 2025 12:32
 Operator : RC/JU
 Sample : Q1247-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A6317

Manual Integrations
 APPROVED

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

Quant Time: Feb 03 13:02:12 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	7.781	152	388755	20.000	ng/u1	0.00
20) Naphthalene-d8	10.552	136	1653965	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.398	164	1050434	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.198	188	2045966	20.000	ng/u1	0.01
79) Chrysene-d12	21.633	240	2001028	20.000	ng/u1	0.00
88) Perylene-d12	24.998	264	2116354	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	64040	6.844	ng/uL	0.00
4) Pyridine-d5	3.705	84	946543	35.059	ng/u1	0.00
7) Phenol-d5	6.964	99	1283084	37.295	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.111	67	692695	38.039	ng/u1	0.00
11) 2-Chlorophenol-d4	7.322	132	1018276	37.691	ng/u1	0.00
15) 4-Methylphenol-d8	8.481	113	1060172	37.723	ng/u1	0.00
21) Nitrobenzene-d5	8.916	128	505438	38.196	ng/u1	0.00
24) 2-Nitrophenol-d4	9.640	143	547905	38.373	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.181	165	992971	37.909	ng/u1	0.01
31) 4-Chloroaniline-d4	10.687	131	1525832	38.951	ng/u1	0.01
46) Dimethylphthalate-d6	13.804	166	3195273	40.781	ng/u1	0.01
49) Acenaphthylene-d8	14.087	160	3670801	41.539	ng/u1	0.00
54) 4-Nitrophenol-d4	14.610	143	550849	35.401	ng/u1	0.00
60) Fluorene-d10	15.410	176	2769026	41.966	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.516	200	359636	28.493	ng/u1	0.00
73) Anthracene-d10	17.298	188	4505178	44.847	ng/u1	0.01
81) Pyrene-d10	19.657	212	5193225	48.436	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.774	264	5230785	47.371	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.605	128	227600	2.571	ng/u1	99
50) Acenaphthylene	14.116	152	1420203	15.091	ng/u1	100
52) Acenaphthene	14.463	153	920317	13.793	ng/u1	99
61) Fluorene	15.469	166	190062	2.478	ng/u1	98
72) Phenanthrene	17.239	178	535496	4.635	ng/u1	100
74) Anthracene	17.334	178	546903	4.694	ng/u1	99
80) Fluoranthene	19.310	202	482802	3.909	ng/u1	99
82) Pyrene	19.686	202	554481	4.293	ng/u1	98
85) Benzo(a)anthracene	21.610	228	250275	1.902	ng/u1	98
87) Chrysene	21.680	228	162697	1.342	ng/u1	98
90) Benzo(b)fluoranthene	23.933	252	552552	4.303	ng/u1	99
91) Benzo(k)fluoranthene	24.010	252	242561	1.884	ng/u1	99
93) Benzo(a)pyrene	24.845	252	206443	1.721	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.815	276	192146m	1.236	ng/u1	
95) Dibenzo(a,h)anthracene	28.898	278	197624	1.567	ng/u1	100
96) Benzo(g,h,i)perylene	30.003	276	171993	1.445	ng/u1	99

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

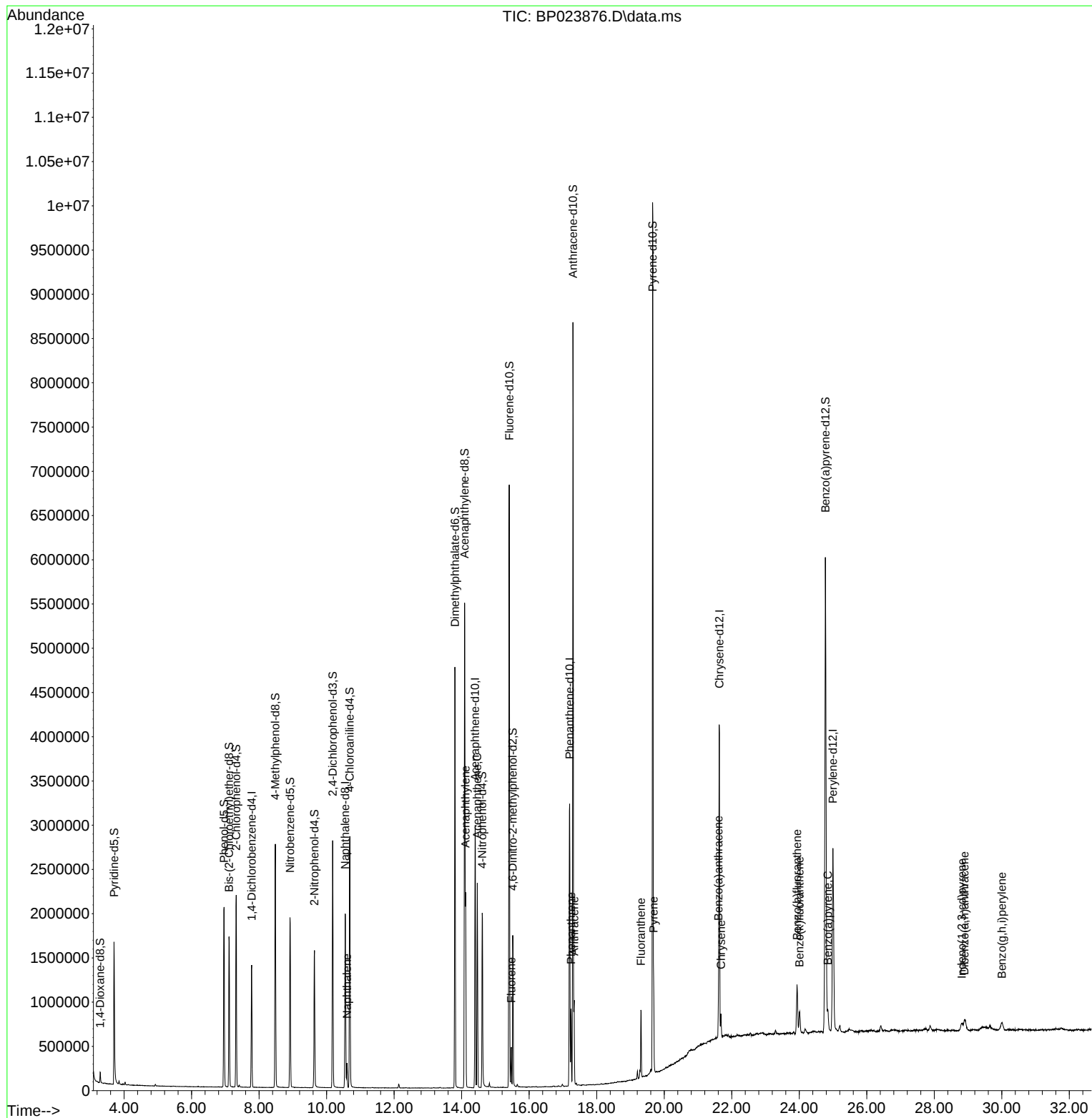
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
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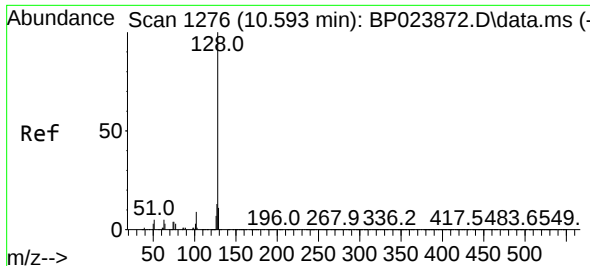
Instrument :
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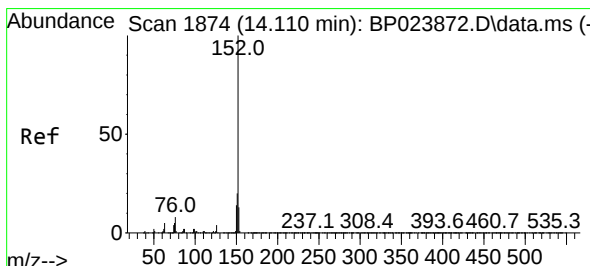
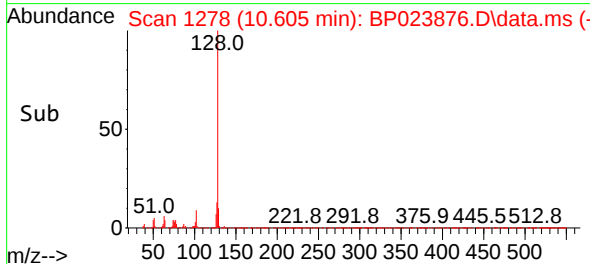
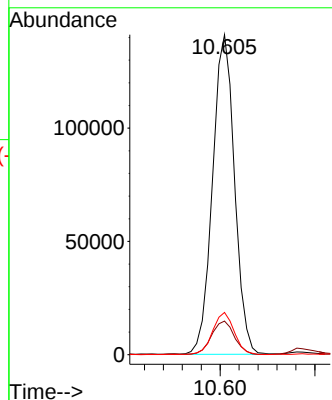
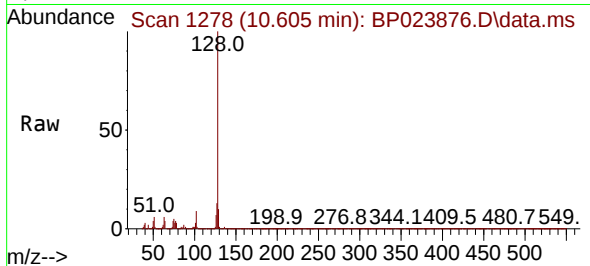
#30
Naphthalene
Concen: 2.571 ng/u1
RT: 10.605 min Scan# 1276
Delta R.T. 0.012 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

Instrument :
BNA_P
ClientSampleId :
A6317

Tgt Ion:128 Resp: 227600
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 13.2 10.5 15.7

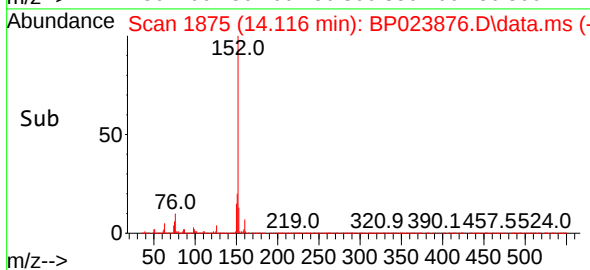
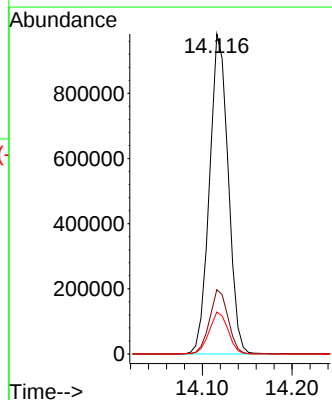
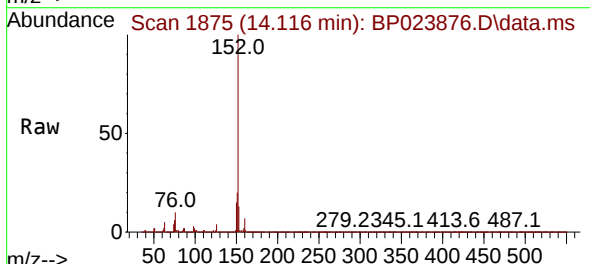
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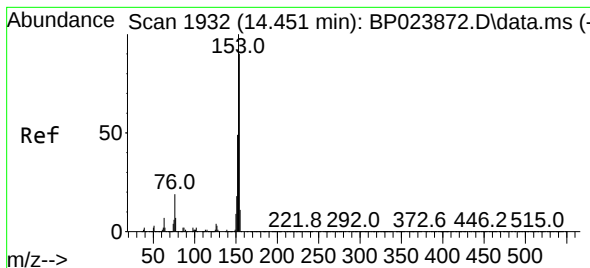
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#50
Acenaphthylene
Concen: 15.091 ng/u1
RT: 14.116 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

Tgt Ion:152 Resp: 1420203
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.1 10.4 15.6





#52

Acenaphthene

Concen: 13.793 ng/ul

RT: 14.463 min Scan# 1932

Delta R.T. 0.012 min

Lab File: BP023876.D

Acq: 03 Feb 2025 12:32

Instrument :

BNA_P

ClientSampleId :

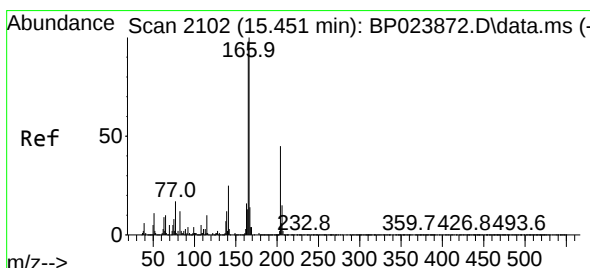
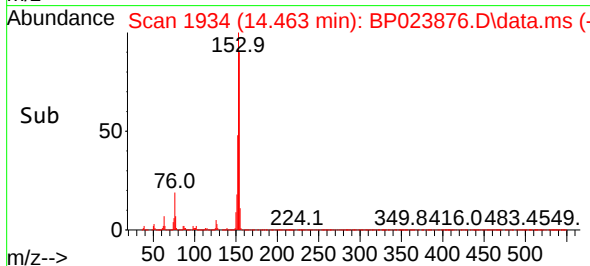
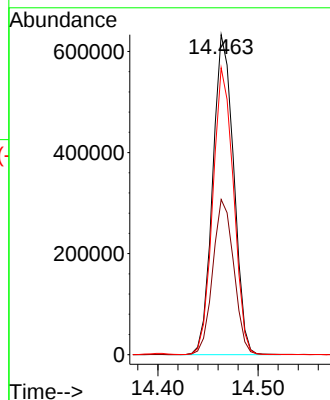
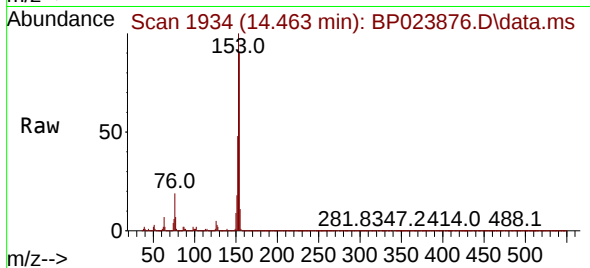
A6317

Tgt Ion:	153	Resp:	92031
Ion Ratio	Lower	Upper	
153	100		
152	48.5	38.2	57.4
154	89.6	71.2	106.8

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#61

Fluorene

Concen: 2.478 ng/ul

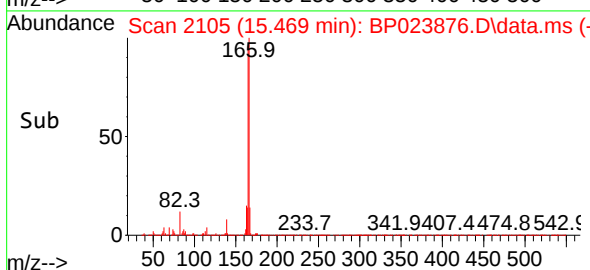
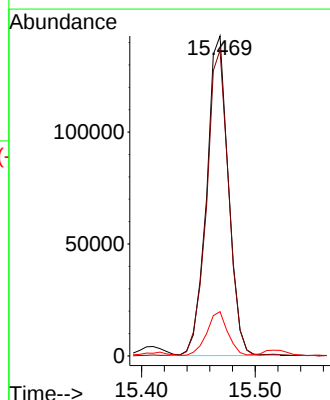
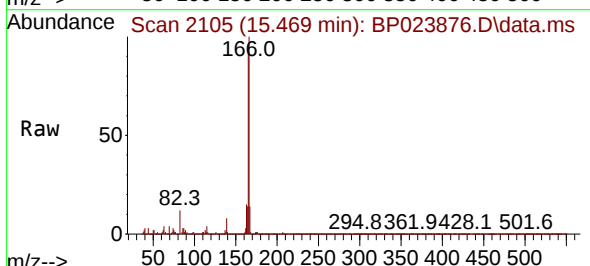
RT: 15.469 min Scan# 2105

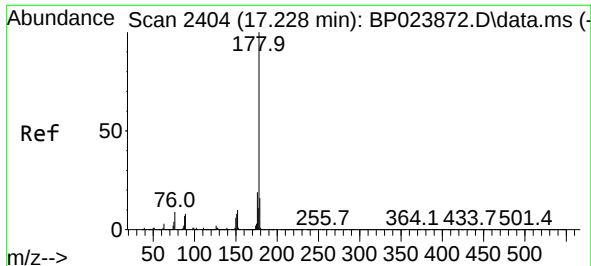
Delta R.T. 0.018 min

Lab File: BP023876.D

Acq: 03 Feb 2025 12:32

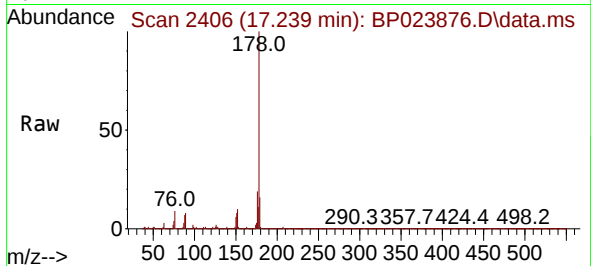
Tgt Ion:	166	Resp:	190062
Ion Ratio	Lower	Upper	
166	100		
165	95.6	77.9	116.9
167	13.9	10.6	16.0





#72
Phenanthrene
Concen: 4.635 ng/u1
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

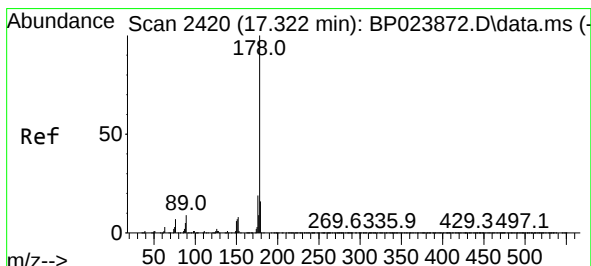
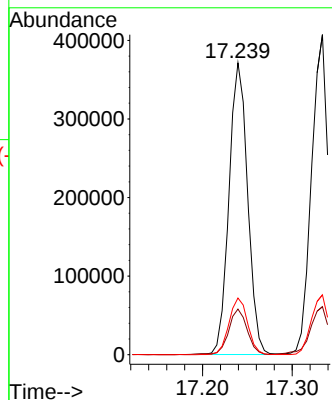
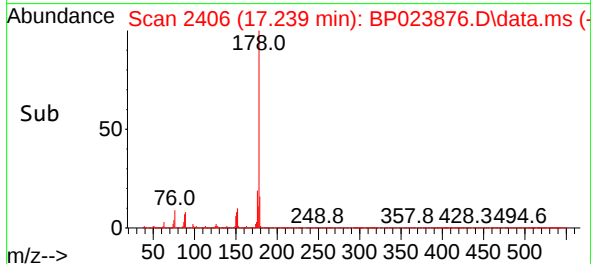
Instrument :
BNA_P
ClientSampleId :
A6317



Tgt Ion:178 Resp: 535490
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 19.4 15.6 23.4

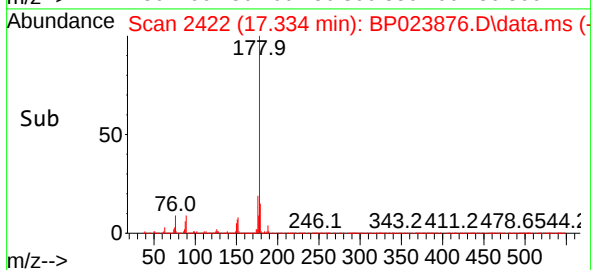
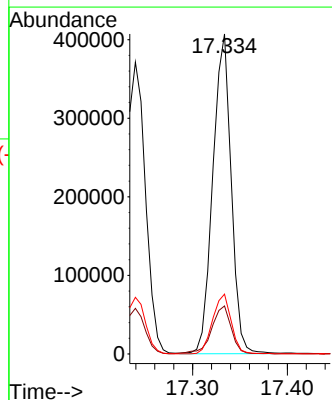
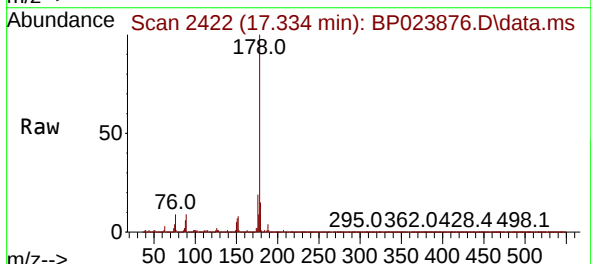
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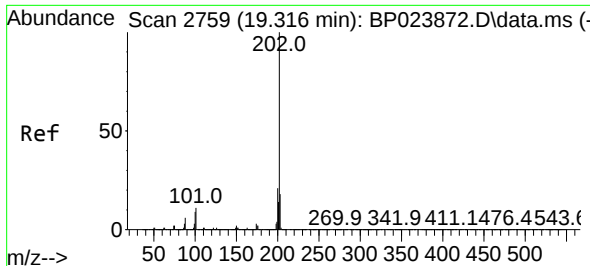
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#74
Anthracene
Concen: 4.694 ng/u1
RT: 17.334 min Scan# 2422
Delta R.T. 0.012 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

Tgt Ion:178 Resp: 546903
Ion Ratio Lower Upper
178 100
179 15.0 12.4 18.6
176 18.7 15.0 22.4





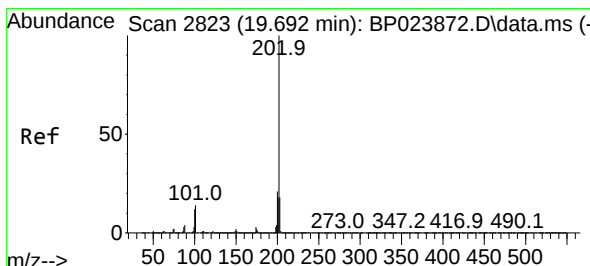
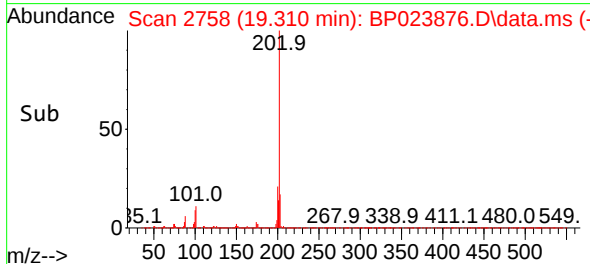
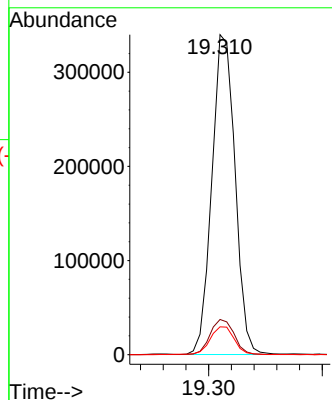
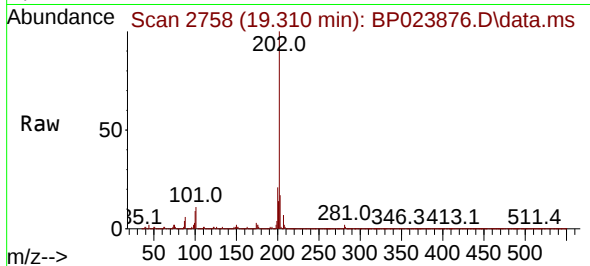
#80
Fluoranthene
Concen: 3.909 ng/u1
RT: 19.310 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

Instrument :
BNA_P
ClientSampleId :
A6317

Tgt Ion:202 Resp: 48280
Ion Ratio Lower Upper
202 100
101 11.0 9.4 14.2
100 8.7 7.0 10.6

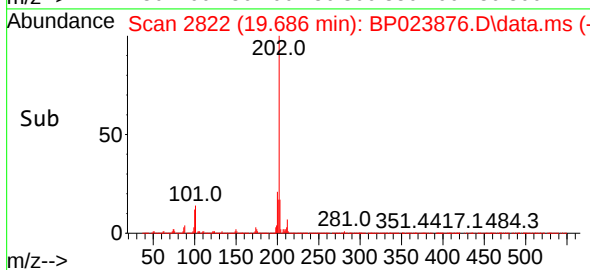
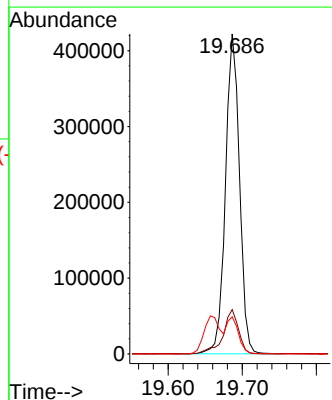
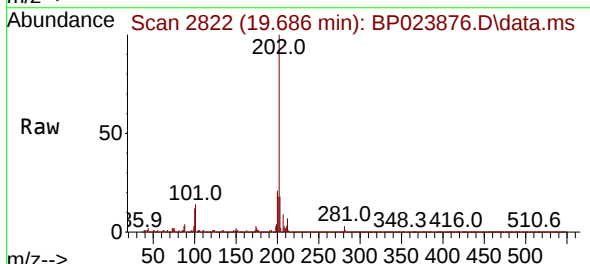
Manual Integrations
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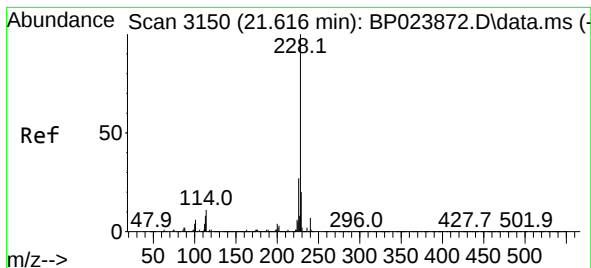
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#82
Pyrene
Concen: 4.293 ng/u1
RT: 19.686 min Scan# 2822
Delta R.T. -0.006 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

Tgt Ion:202 Resp: 554481
Ion Ratio Lower Upper
202 100
101 13.9 10.4 15.6
100 11.6 8.6 12.8





#85

Benzo(a)anthracene

Concen: 1.902 ng/u1

RT: 21.610 min Scan# 3150

Delta R.T. -0.006 min

Lab File: BP023876.D

Acq: 03 Feb 2025 12:32

Instrument :

BNA_P

ClientSampleId :

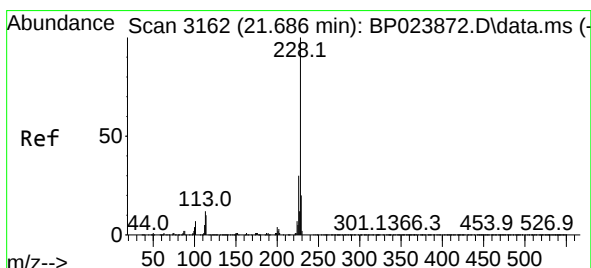
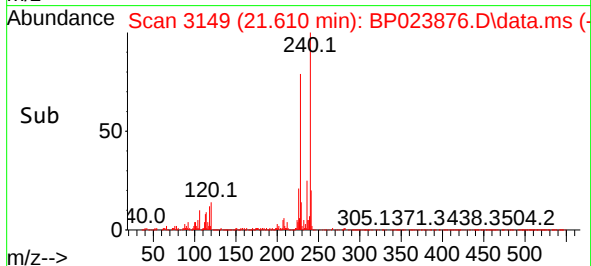
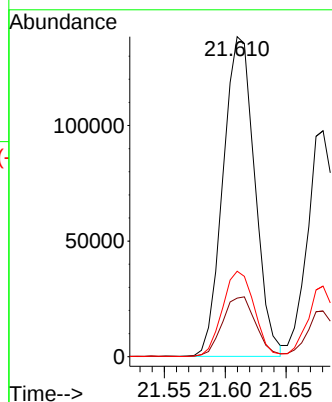
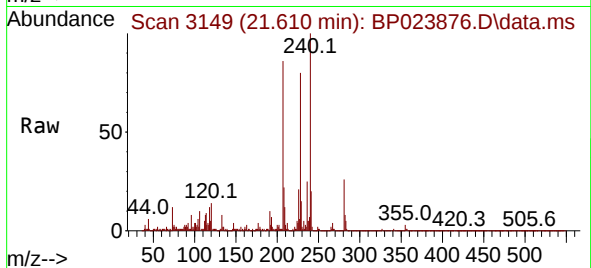
A6317

Tgt Ion:	228	Resp:	25027
Ion Ratio	Lower	Upper	
228	100		
229	18.3	15.9	23.9
226	26.7	21.7	32.5

Manual Integrations

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#87

Chrysene

Concen: 1.342 ng/u1

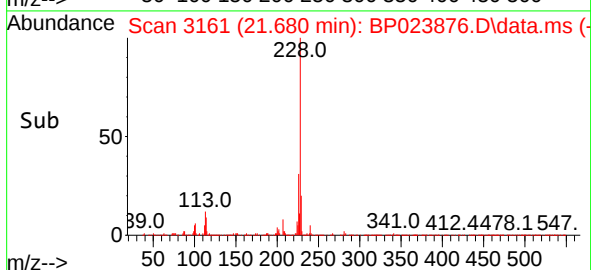
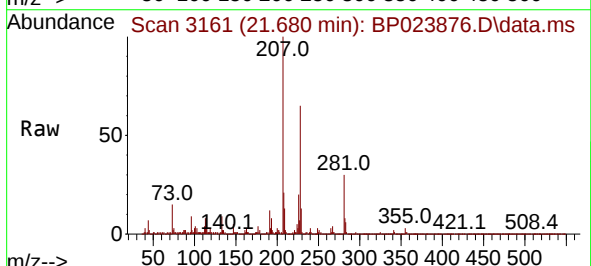
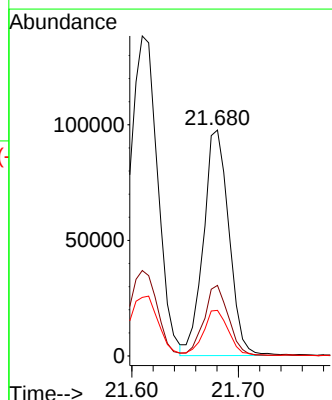
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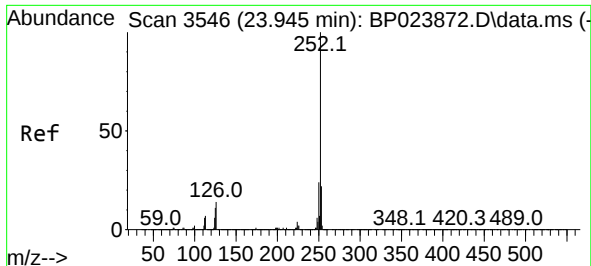
Delta R.T. -0.006 min

Lab File: BP023876.D

Acq: 03 Feb 2025 12:32

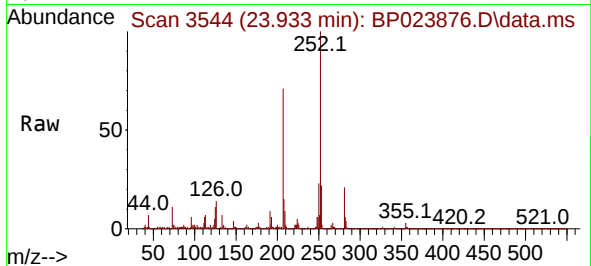
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Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.8	35.6
229	20.2	15.7	23.5





#90
Benzo(b)fluoranthene
Concen: 4.303 ng/ul
RT: 23.933 min Scan# 3544
Delta R.T. -0.012 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

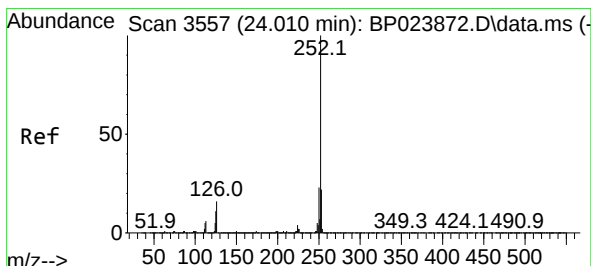
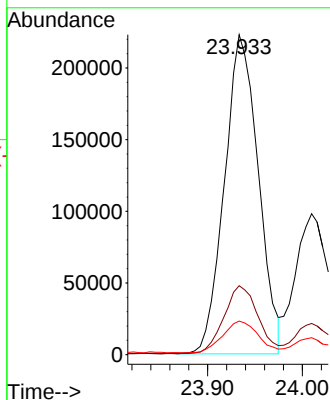
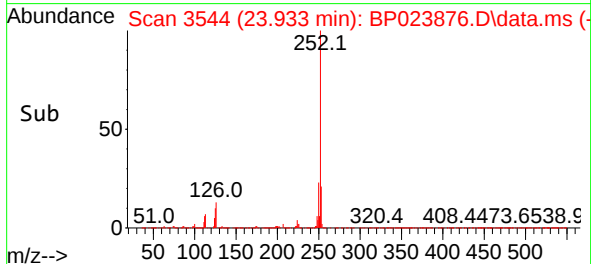
Instrument : BNA_P
ClientSampleId : A6317



Tgt Ion:252 Resp: 55255
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.5 8.2 12.2

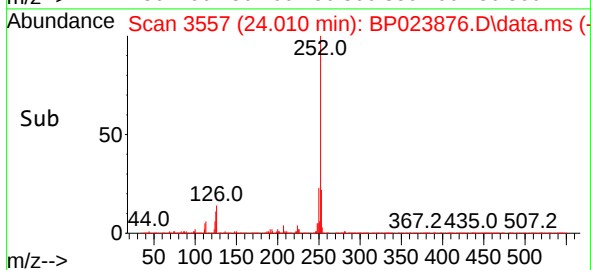
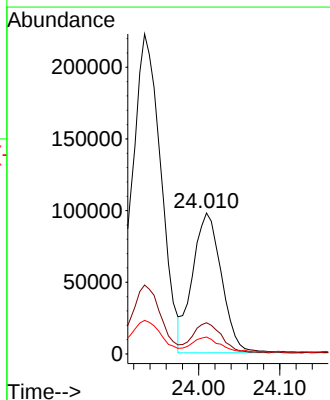
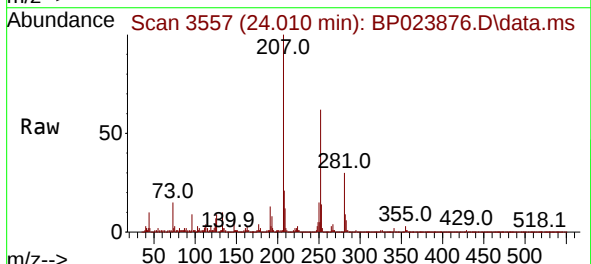
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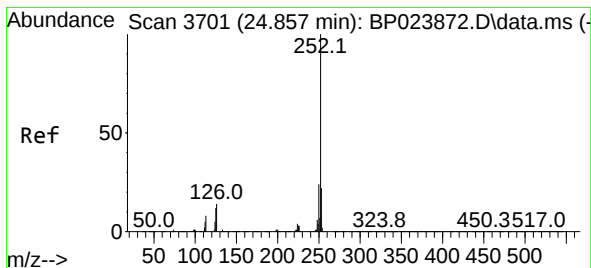
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#91
Benzo(k)fluoranthene
Concen: 1.884 ng/ul
RT: 24.010 min Scan# 3557
Delta R.T. 0.000 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

Tgt Ion:252 Resp: 242561
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 12.0 8.5 12.7





#93

Benzo(a)pyrene

Concen: 1.721 ng/ul

RT: 24.845 min Scan# 30

Delta R.T. -0.012 min

Lab File: BP023876.D

Acq: 03 Feb 2025 12:32

Instrument :

BNA_P

ClientSampleId :

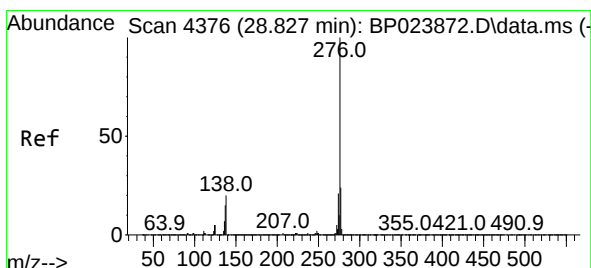
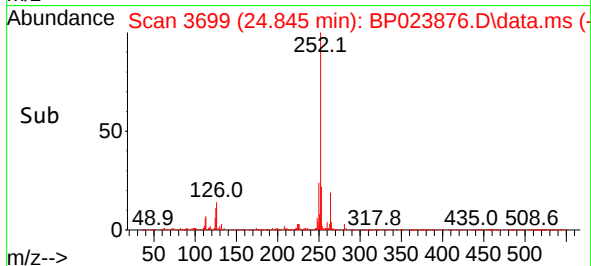
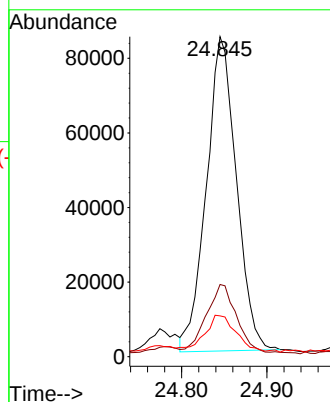
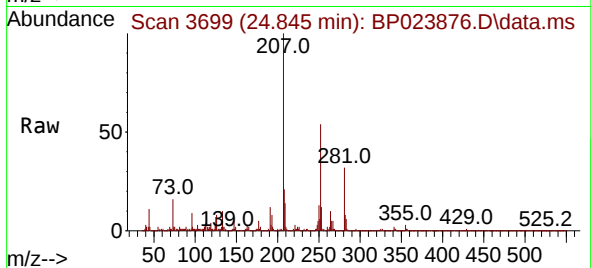
A6317

Tgt Ion:252 Resp: 20644
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.6
 125 12.7 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: 1.236 ng/ul m

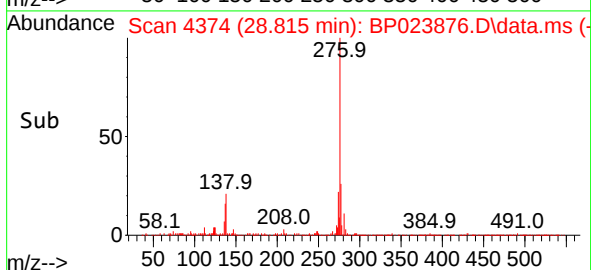
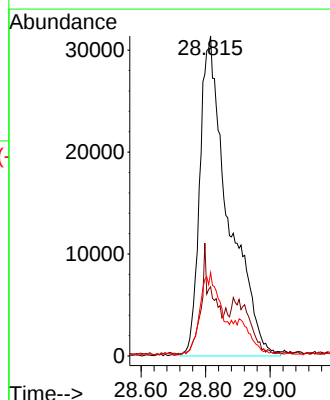
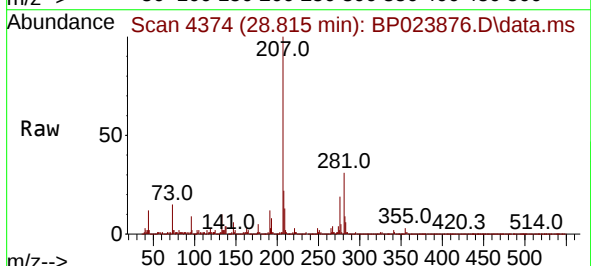
RT: 28.815 min Scan# 4374

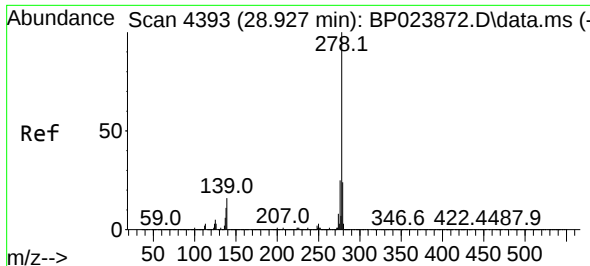
Delta R.T. -0.012 min

Lab File: BP023876.D

Acq: 03 Feb 2025 12:32

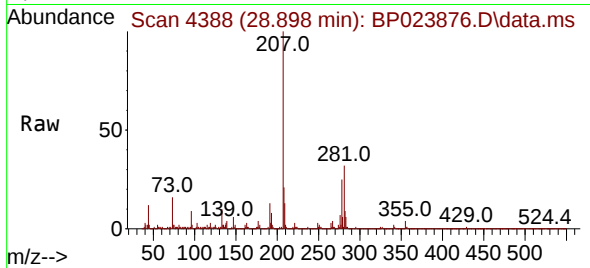
Tgt Ion:276 Resp: 192146
 Ion Ratio Lower Upper
 276 100
 138 21.6 15.9 23.9
 277 26.0 19.0 28.4





#95
Dibenzo(a,h)anthracene
Concen: 1.567 ng/ul
RT: 28.898 min Scan# 4393
Delta R.T. -0.029 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32

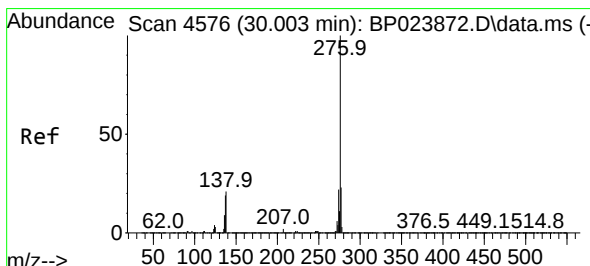
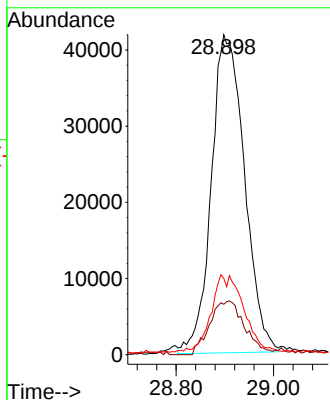
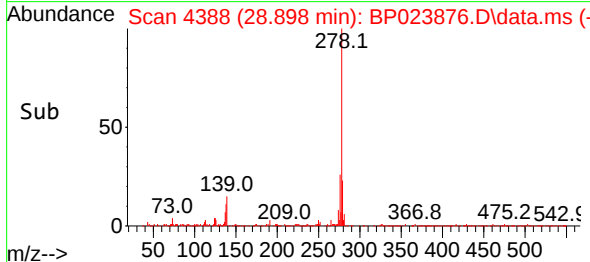
Instrument :
BNA_P
ClientSampleId :
A6317



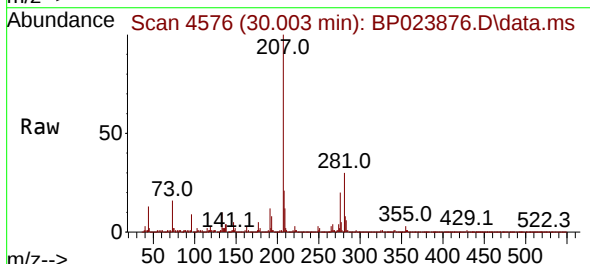
Tgt Ion:278 Resp: 197624
Ion Ratio Lower Upper
278 100
139 15.8 12.7 19.1
279 23.9 19.0 28.6

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 1.445 ng/ul
RT: 30.003 min Scan# 4576
Delta R.T. 0.000 min
Lab File: BP023876.D
Acq: 03 Feb 2025 12:32



Tgt Ion:276 Resp: 171993
Ion Ratio Lower Upper
276 100
138 22.8 17.8 26.6
277 23.4 19.0 28.6

