

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
 Data File : BP023875.D
 Acq On : 03 Feb 2025 11:51
 Operator : RC/JU
 Sample : Q1248-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A6319

Manual Integrations
 APPROVED

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

Quant Time: Feb 03 12:21:47 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	425059	20.000	ng/u1	0.00
20) Naphthalene-d8	10.552	136	1701964	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.398	164	1003362	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.186	188	1973849	20.000	ng/u1	0.00
79) Chrysene-d12	21.633	240	2243685	20.000	ng/u1	0.00
88) Perylene-d12	24.998	264	2378253	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	34813	3.403	ng/uL	0.00
4) Pyridine-d5	3.717	84	66442	2.251	ng/u1	0.01
7) Phenol-d5	6.964	99	692928	18.421	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.111	67	367205	18.442	ng/u1	0.00
11) 2-Chlorophenol-d4	7.322	132	546615	18.505	ng/u1	0.00
15) 4-Methylphenol-d8	8.481	113	542136	17.643	ng/u1	0.00
21) Nitrobenzene-d5	8.922	128	251930	18.501	ng/u1	0.00
24) 2-Nitrophenol-d4	9.640	143	254781	17.340	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.181	165	504473	18.716	ng/u1	0.01
31) 4-Chloroaniline-d4	10.687	131	691462	17.154	ng/u1	0.01
46) Dimethylphthalate-d6	13.798	166	1519960	20.309	ng/u1	0.00
49) Acenaphthylene-d8	14.087	160	1725444	20.441	ng/u1	0.00
54) 4-Nitrophenol-d4	14.610	143	377275	25.383	ng/u1	0.00
60) Fluorene-d10	15.398	176	1497910	23.767	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.510	200	217871	17.892	ng/u1	0.00
73) Anthracene-d10	17.292	188	2931508	30.248	ng/u1	0.00
81) Pyrene-d10	19.669	212	3739643	31.107	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.780	264	4043497	32.586	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.605	128	741504	8.139	ng/u1	100
50) Acenaphthylene	14.110	152	314756	3.502	ng/u1	100
52) Acenaphthene	14.457	153	298616	4.685	ng/u1	99
61) Fluorene	15.457	166	113015	1.543	ng/u1	99
72) Phenanthrene	17.228	178	1566103	14.050	ng/u1	99
74) Anthracene	17.328	178	1246529	11.089	ng/u1	100
80) Fluoranthene	19.316	202	364189	2.630	ng/u1	99
82) Pyrene	19.698	202	603578	4.168	ng/u1	99
85) Benzo(a)anthracene	21.616	228	251345	1.704	ng/u1	99
87) Chrysene	21.680	228	1392107	10.240	ng/u1	99
90) Benzo(b)fluoranthene	23.939	252	644269	4.465	ng/u1#	97
91) Benzo(k)fluoranthene	24.010	252	158411	1.095	ng/u1#	92
93) Benzo(a)pyrene	24.845	252	803846	5.965	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.815	276	486366m	2.784	ng/u1	
95) Dibenzo(a,h)anthracene	28.909	278	421962	2.978	ng/u1	97
96) Benzo(g,h,i)perylene	30.009	276	1235489	9.234	ng/u1	99

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

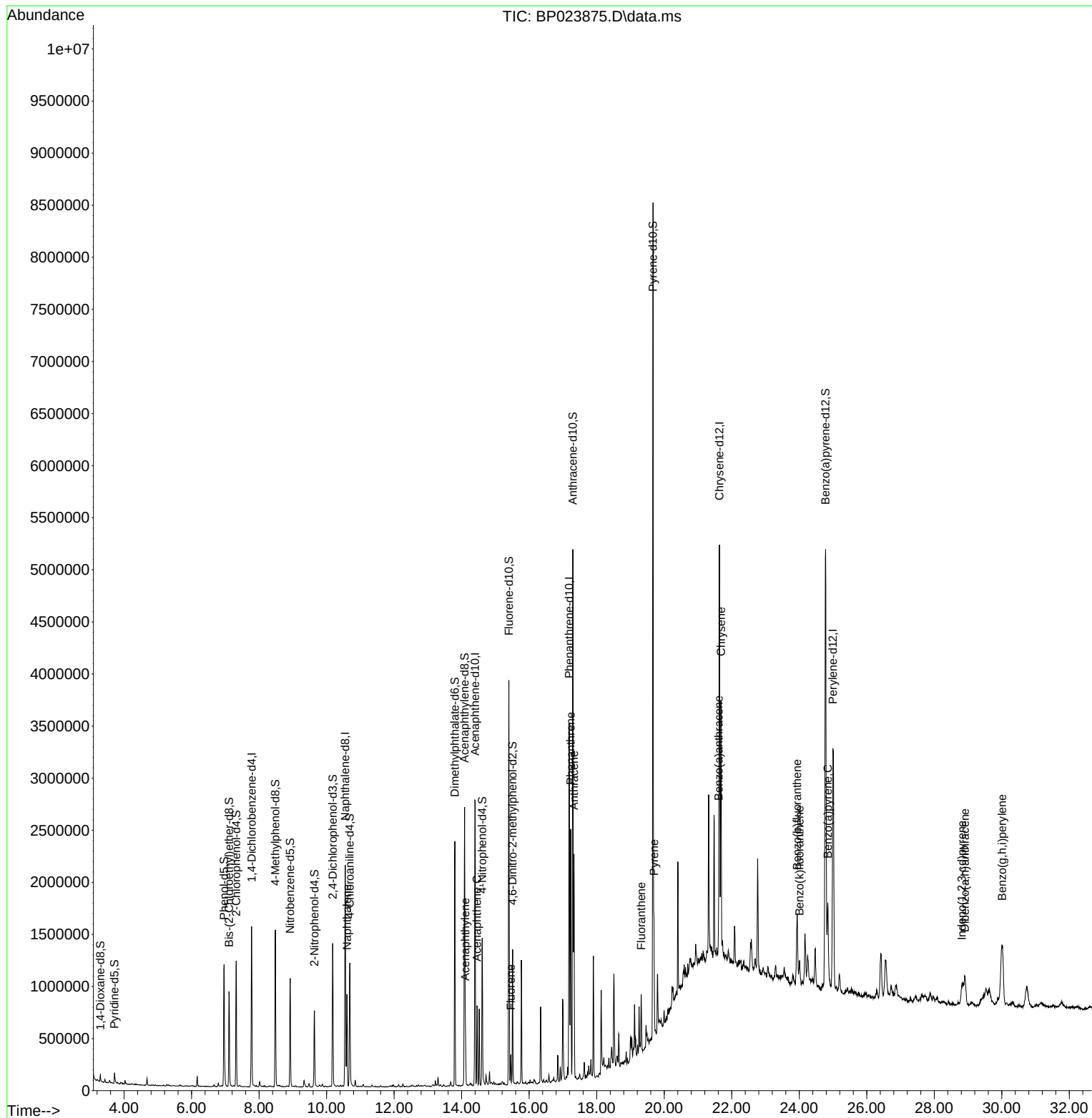
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
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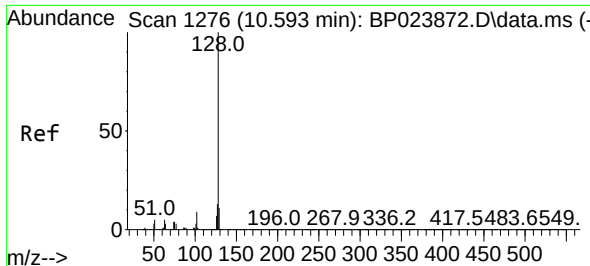
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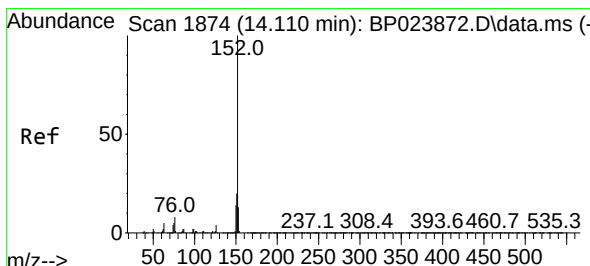
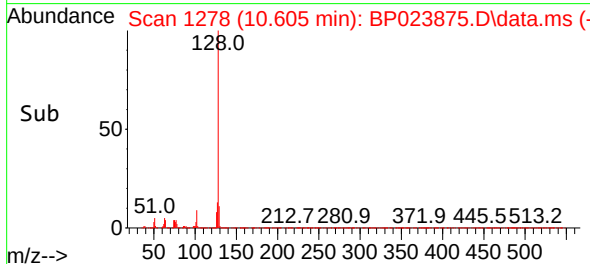
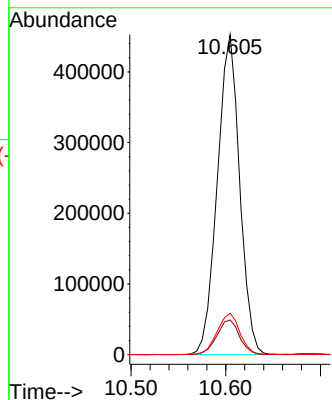
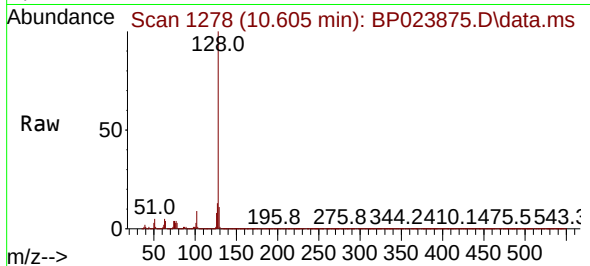
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Naphthalene
Concen: 8.139 ng/ul
RT: 10.605 min Scan# 1276
Delta R.T. 0.012 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

Instrument :
BNA_P
ClientSampleId :
A6319

Tgt Ion:128 Resp: 741504
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.0 10.5 15.7

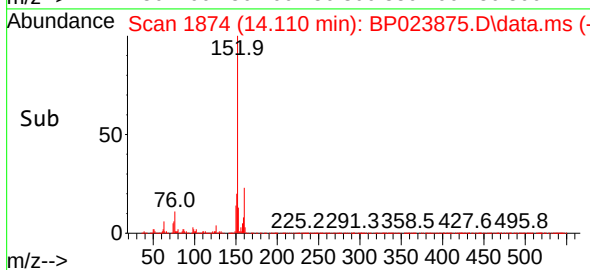
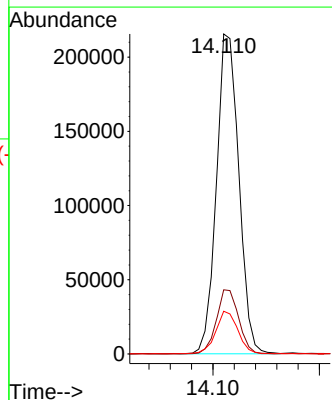
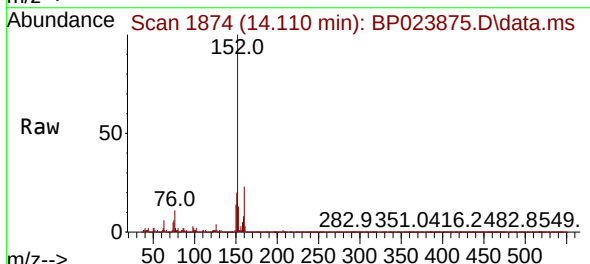
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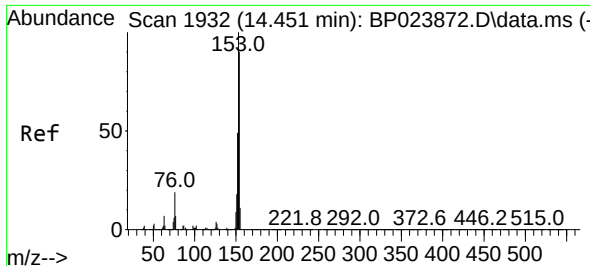
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#50
Acenaphthylene
Concen: 3.502 ng/ul
RT: 14.110 min Scan# 1874
Delta R.T. 0.000 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

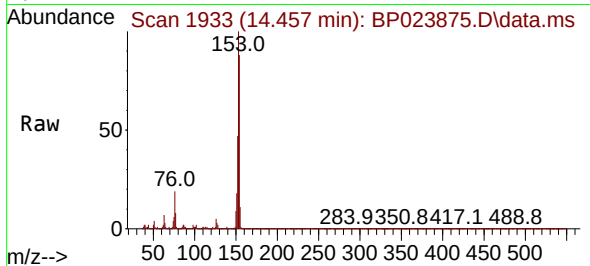
Tgt Ion:152 Resp: 314756
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.4 10.4 15.6





#52
Acenaphthene
Concen: 4.685 ng/ul
RT: 14.457 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

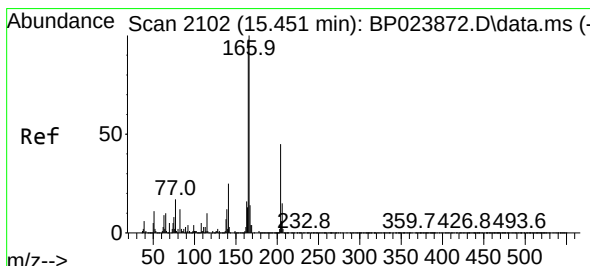
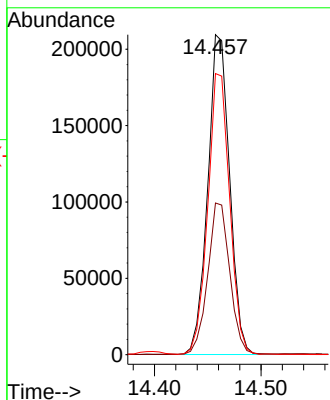
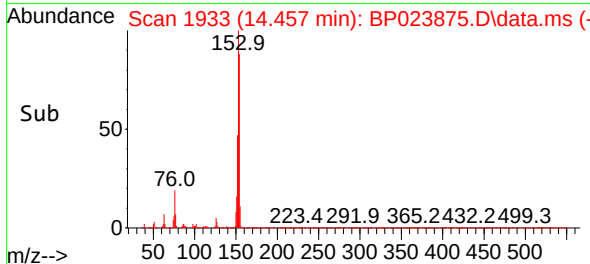
Instrument :
BNA_P
ClientSampleId :
A6319



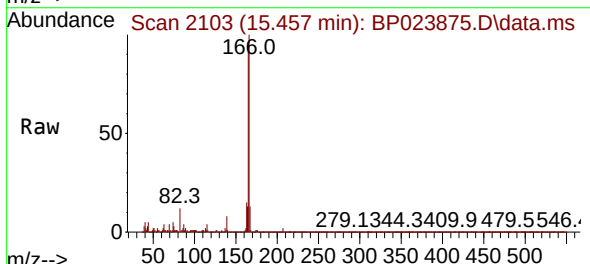
Tgt Ion:153 Resp: 298610
Ion Ratio Lower Upper
153 100
152 47.4 38.2 57.4
154 87.8 71.2 106.8

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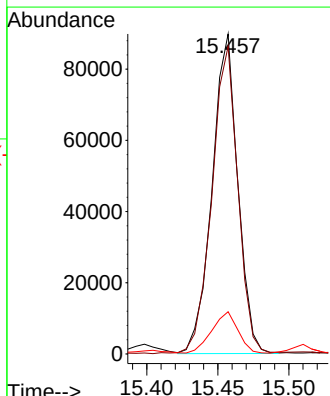
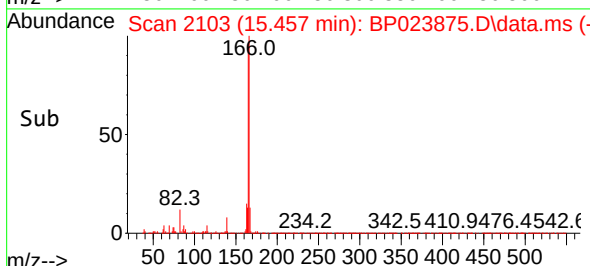
Reviewed By :Jagrut Upadhyay 02/04/2025
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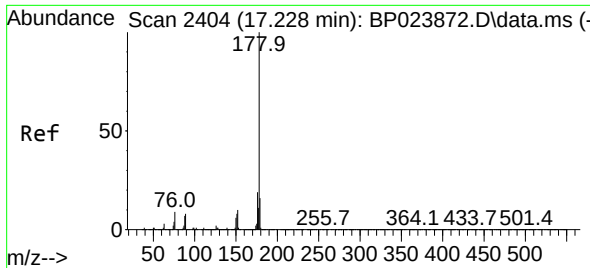


#61
Fluorene
Concen: 1.543 ng/ul
RT: 15.457 min Scan# 2103
Delta R.T. 0.006 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51



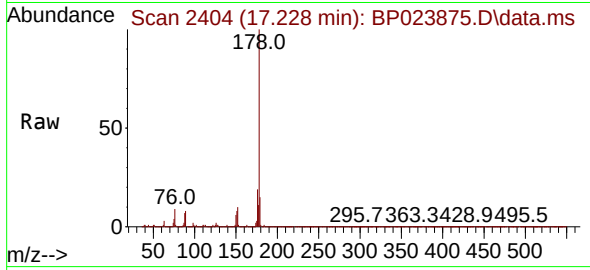
Tgt Ion:166 Resp: 113015
Ion Ratio Lower Upper
166 100
165 96.1 77.9 116.9
167 13.2 10.6 16.0





#72
Phenanthrene
Concen: 14.050 ng/ul
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

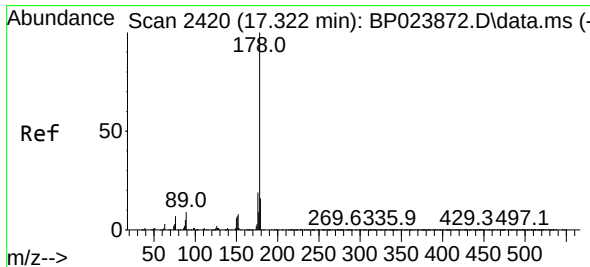
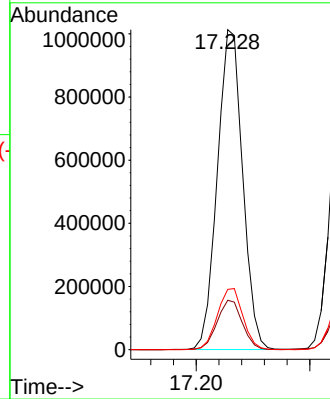
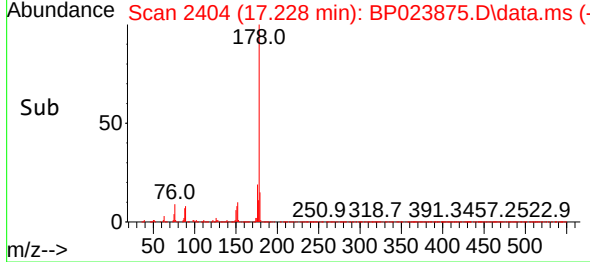
Instrument :
BNA_P
ClientSampleId :
A6319



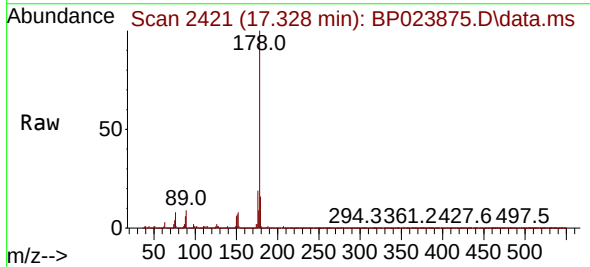
Tgt Ion:178 Resp: 156610
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.4
176 18.9 15.6 23.4

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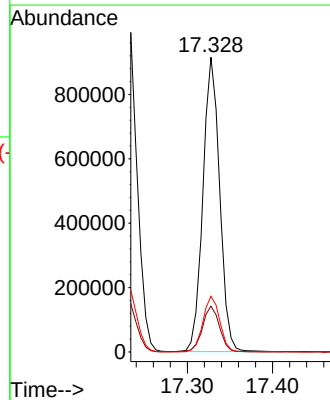
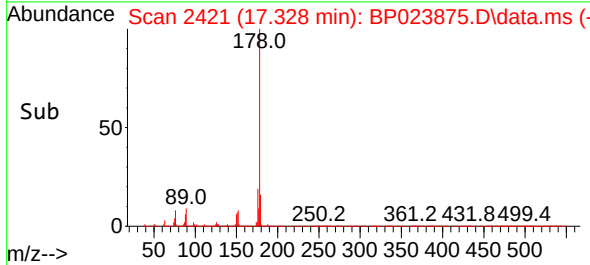
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

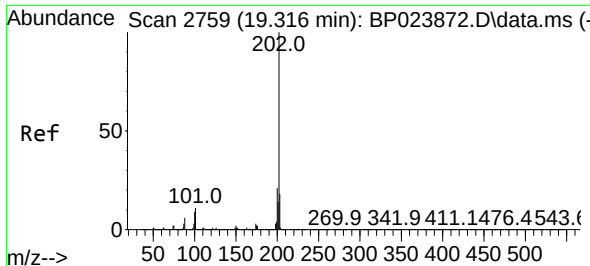


#74
Anthracene
Concen: 11.089 ng/ul
RT: 17.328 min Scan# 2421
Delta R.T. 0.006 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51



Tgt Ion:178 Resp: 1246529
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 18.9 15.0 22.4





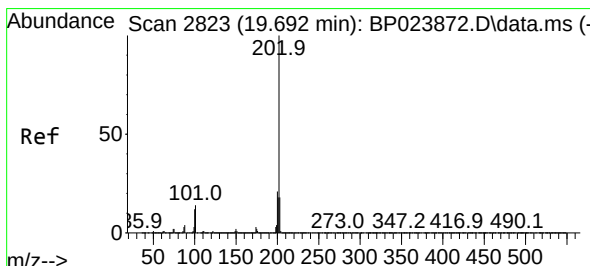
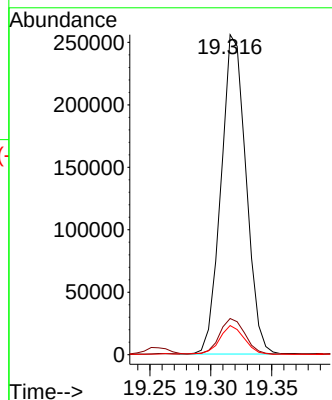
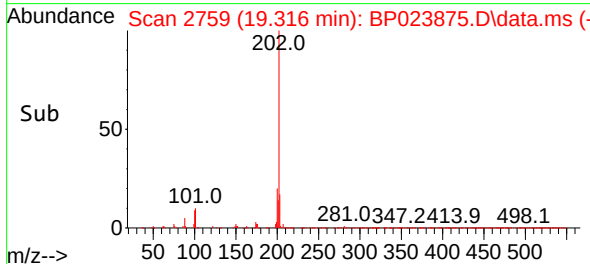
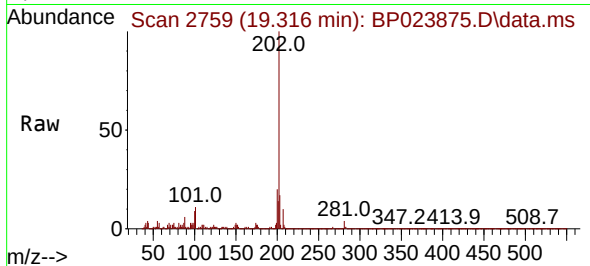
#80
Fluoranthene
Concen: 2.630 ng/ul
RT: 19.316 min Scan# 2759
Delta R.T. 0.000 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

Instrument :
BNA_P
ClientSampleId :
A6319

Tgt Ion:202 Resp: 364189
Ion Ratio Lower Upper
202 100
101 11.3 9.4 14.2
100 9.1 7.0 10.6

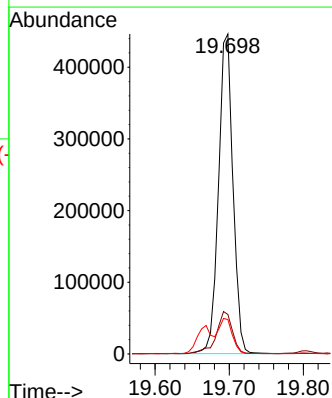
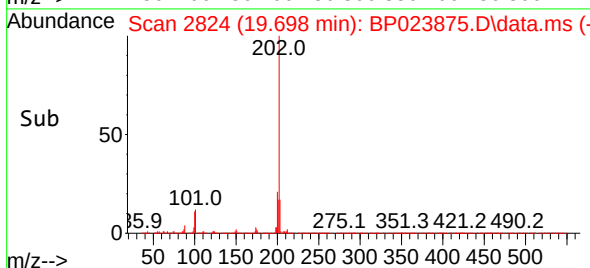
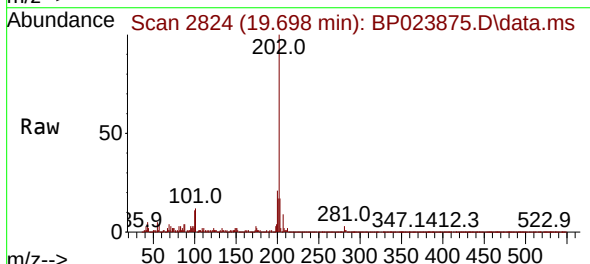
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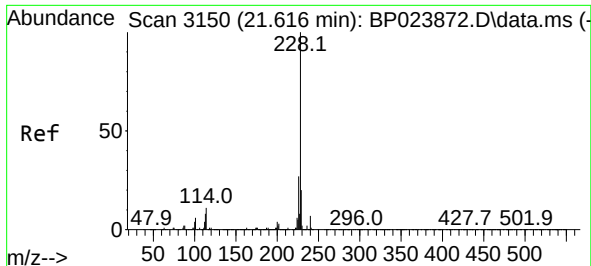
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#82
Pyrene
Concen: 4.168 ng/ul
RT: 19.698 min Scan# 2824
Delta R.T. 0.006 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

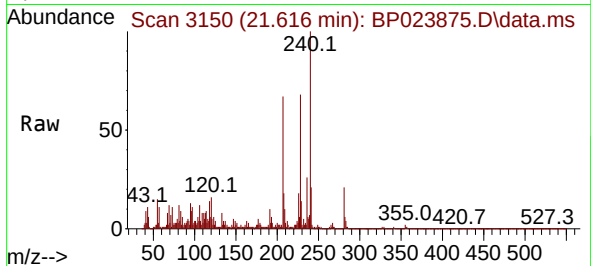
Tgt Ion:202 Resp: 603578
Ion Ratio Lower Upper
202 100
101 12.3 10.4 15.6
100 10.7 8.6 12.8





#85
Benzo(a)anthracene
Concen: 1.704 ng/ul
RT: 21.616 min Scan# 3150
Delta R.T. 0.000 min
Lab File: BP023875.D
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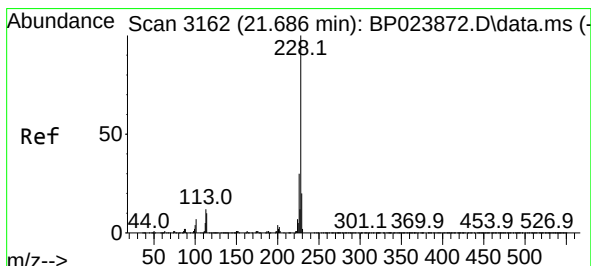
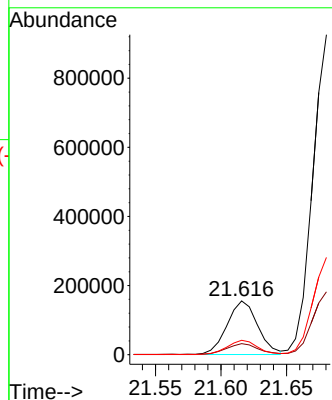
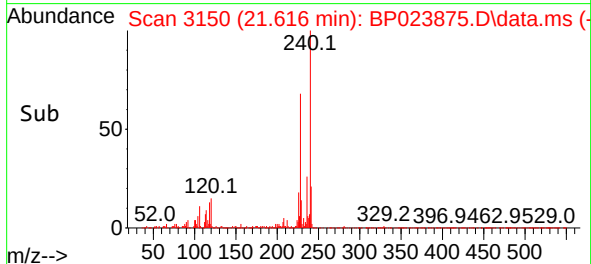
Instrument :
BNA_P
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A6319



Tgt Ion:228 Resp: 251345
Ion Ratio Lower Upper
228 100
229 20.6 15.9 23.9
226 26.8 21.7 32.5

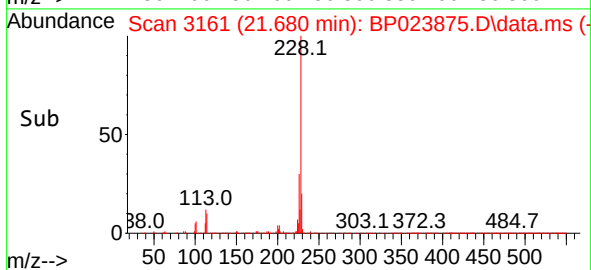
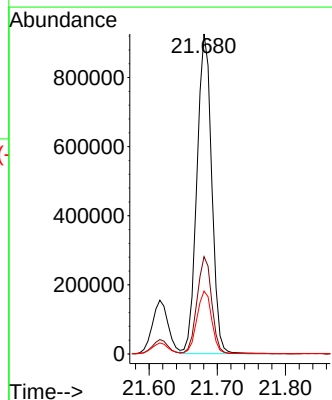
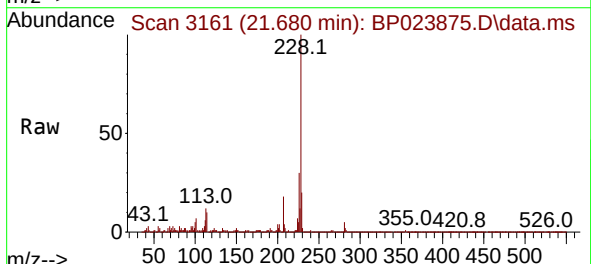
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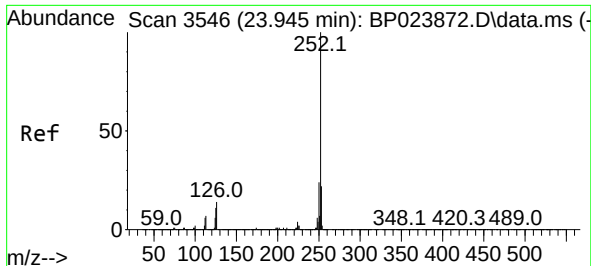
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#87
Chrysene
Concen: 10.240 ng/ul
RT: 21.680 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

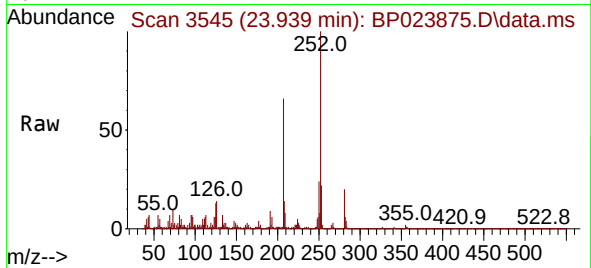
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Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 19.6 15.7 23.5





#90
Benzo(b)fluoranthene
Concen: 4.465 ng/ul
RT: 23.939 min Scan# 3546
Delta R.T. -0.006 min
Lab File: BP023875.D
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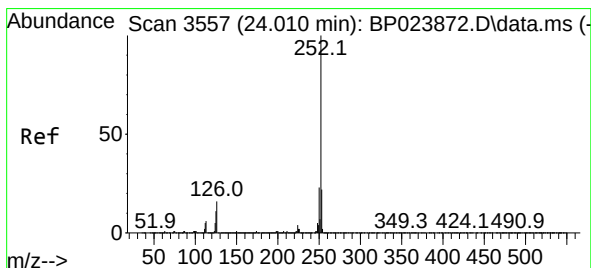
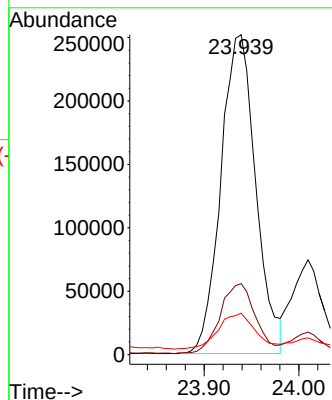
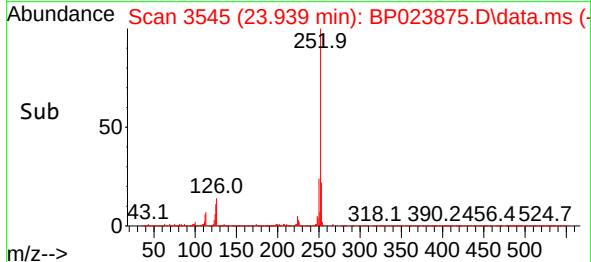
Instrument :
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A6319



Tgt Ion:252 Resp: 644265
Ion Ratio Lower Upper
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125 12.9 8.2 12.2

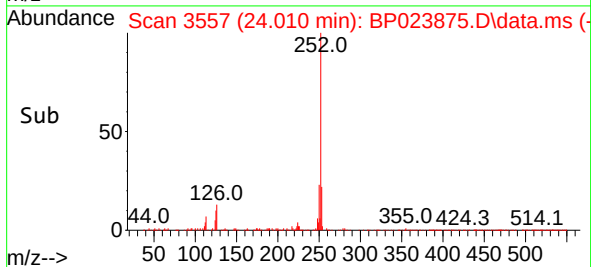
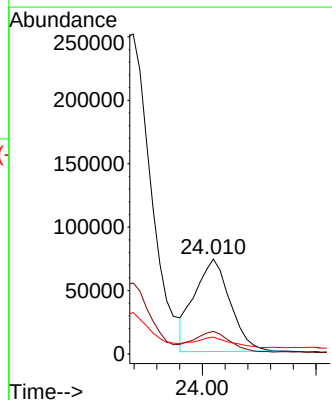
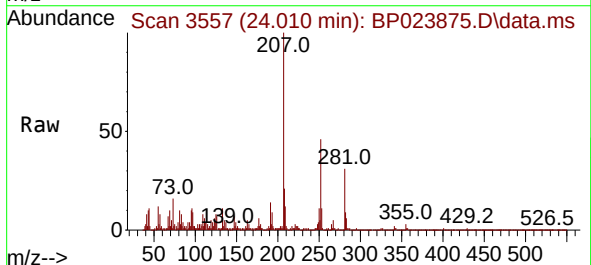
Manual Integrations
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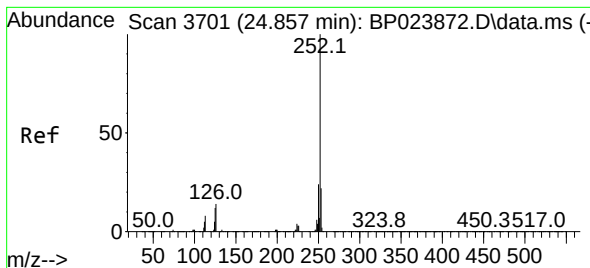
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#91
Benzo(k)fluoranthene
Concen: 1.095 ng/ul
RT: 24.010 min Scan# 3557
Delta R.T. 0.000 min
Lab File: BP023875.D
Acq: 03 Feb 2025 11:51

Tgt Ion:252 Resp: 158411
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 17.7 8.5 12.7





#93

Benzo(a)pyrene

Concen: 5.965 ng/ul

RT: 24.845 min Scan# 3699

Delta R.T. -0.012 min

Lab File: BP023875.D

Acq: 03 Feb 2025 11:51

Instrument :

BNA_P

ClientSampleId :

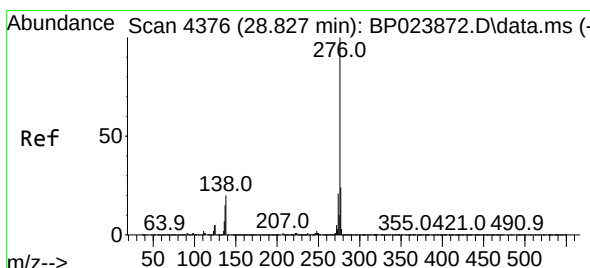
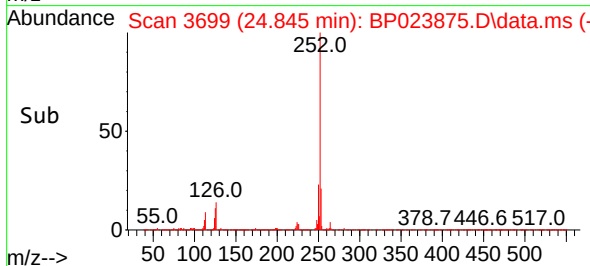
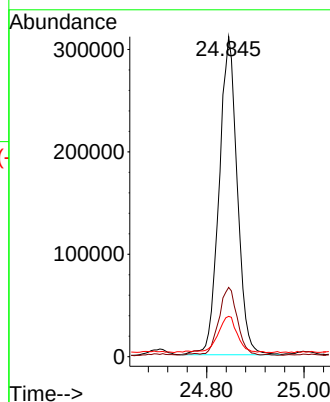
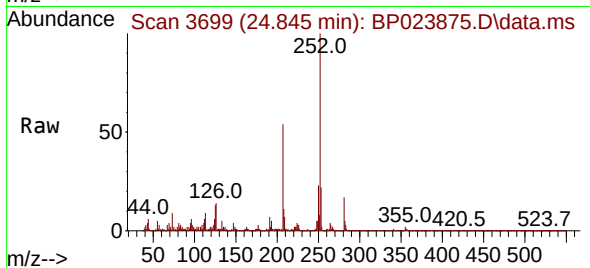
A6319

Tgt Ion:	252	Resp:	80384
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.6
125	12.6	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: 2.784 ng/ul m

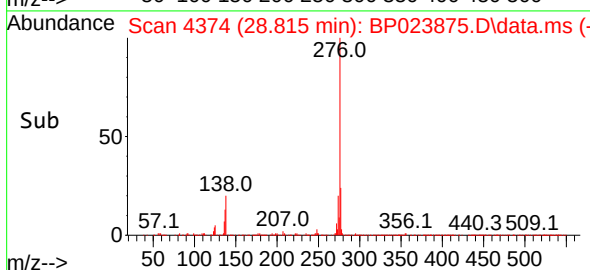
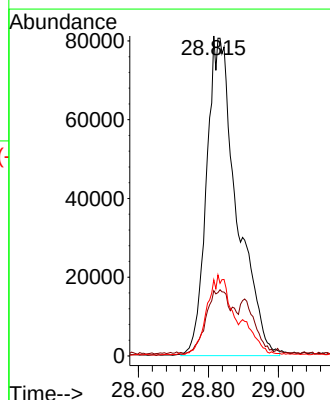
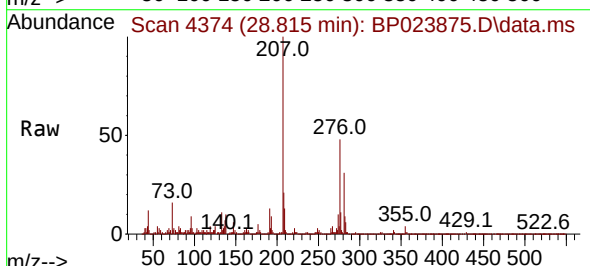
RT: 28.815 min Scan# 4374

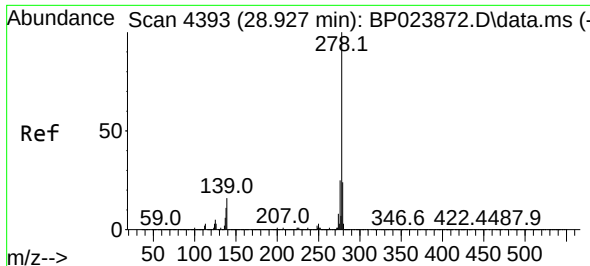
Delta R.T. -0.012 min

Lab File: BP023875.D

Acq: 03 Feb 2025 11:51

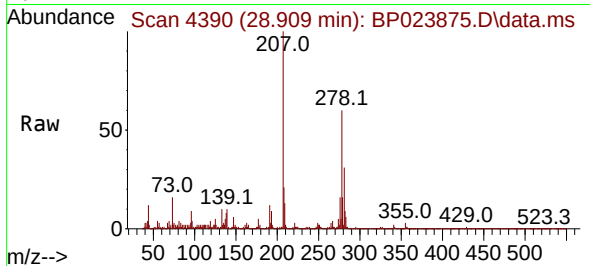
Tgt Ion:	276	Resp:	486366
Ion Ratio	Lower	Upper	
276	100		
138	20.4	15.9	23.9
277	23.8	19.0	28.4





#95
 Dibenzo(a,h)anthracene
 Concen: 2.978 ng/ul
 RT: 28.909 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BP023875.D
 Acq: 03 Feb 2025 11:51

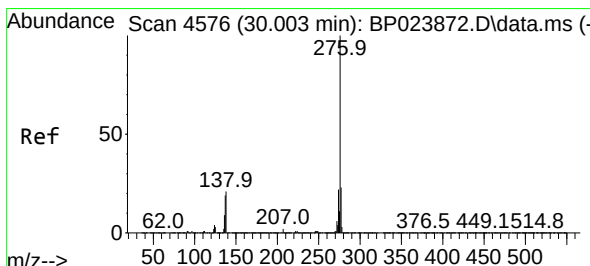
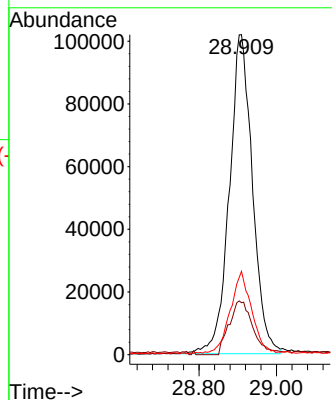
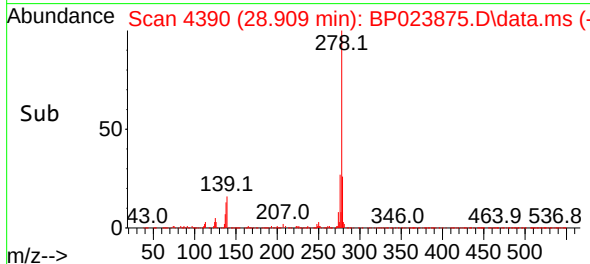
Instrument :
 BNA_P
 ClientSampleId :
 A6319



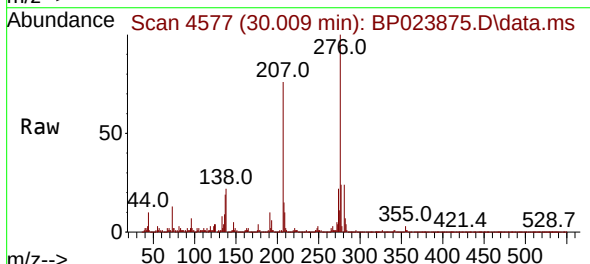
Tgt Ion:278 Resp: 421962
 Ion Ratio Lower Upper
 278 100
 139 16.3 12.7 19.1
 279 26.1 19.0 28.6

Manual Integrations
 APPROVED

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



#96
 Benzo(g,h,i)perylene
 Concen: 9.234 ng/ul
 RT: 30.009 min Scan# 4577
 Delta R.T. 0.006 min
 Lab File: BP023875.D
 Acq: 03 Feb 2025 11:51



Tgt Ion:276 Resp: 1235489
 Ion Ratio Lower Upper
 276 100
 138 21.7 17.8 26.6
 277 23.8 19.0 28.6

