

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100924\
 Data File : BP022298.D
 Acq On : 09 Oct 2024 20:27
 Operator : RC/JU
 Sample : P4162-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4EJ0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024

Quant Time: Oct 10 01:31:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 02:14:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	137555	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	554868	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	423047	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.116	188	932678	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	879507	20.000	ng/u1	0.03
88) Perylene-d12	24.874	264	1094740	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.223	96	6196m	1.750	ng/uL	0.00
4) Pyridine-d5	3.658	84	4684m	0.482	ng/u1	0.02
7) Phenol-d5	6.899	99	145398	12.557	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.046	67	80989	11.901	ng/u1	0.00
11) 2-Chlorophenol-d4	7.252	132	110006	13.389	ng/u1	0.00
15) 4-Methylphenol-d8	8.411	113	111516	12.068	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	55494	13.007	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	67397	13.645	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.105	165	137482	13.096	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	51042m	4.115	ng/u1	0.02
46) Dimethylphthalate-d6	13.728	166	430360	12.804	ng/u1	0.01
49) Acenaphthylene-d8	14.010	160	485273	13.593	ng/u1	0.01
54) 4-Nitrophenol-d4	14.546	143	64474	11.434	ng/u1	0.02
60) Fluorene-d10	15.322	176	392408	13.460	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	41925	6.835	ng/u1	0.01
73) Anthracene-d10	17.222	188	615543	14.029	ng/u1	0.00
81) Pyrene-d10	19.598	212	558314	12.004	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.645	264	448299	7.668	ng/u1	0.05
Target Compounds						
					Qvalue	
8) Phenol	6.922	94	14962	1.242	ng/u1	97
16) Acetophenone	8.516	105	57481	3.768	ng/u1#	92
30) Naphthalene	10.516	128	321489	10.878	ng/u1	98
36) 2-Methylnaphthalene	12.122	142	119449	5.506	ng/u1	99
37) 1-Methylnaphthalene	12.346	142	78388	3.540	ng/u1	92
43) 1,1'-Biphenyl	13.140	154	44948	1.474	ng/u1	98
50) Acenaphthylene	14.040	152	73624	1.987	ng/u1#	94
52) Acenaphthene	14.393	153	494347	18.868	ng/u1	100
56) Dibenzofuran	14.734	168	528086	13.418	ng/u1	98
61) Fluorene	15.381	166	638600	19.915	ng/u1	99
72) Phenanthrene	17.169	178	7612540	152.558	ng/u1	100
74) Anthracene	17.263	178	2096742	42.106	ng/u1	99
77) Carbazole	17.545	167	764786	17.357	ng/u1	99
80) Fluoranthene	19.263	202	8597786	160.800	ng/u1	98
82) Pyrene	19.633	202	5268186	91.928	ng/u1	98
83) Butylbenzylphthalate	20.580	149	22111	1.108	ng/u1#	82
85) Benzo(a)anthracene	21.551	228	3899546	63.246	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.469	149	222789	7.779	ng/u1	99
87) Chrysene	21.622	228	3723340	65.127	ng/u1	97
90) Benzo(b)fluoranthene	23.833	252	4354377	63.189	ng/u1	99
91) Benzo(k)fluoranthene	23.892	252	1603046	23.761	ng/u1	96
93) Benzo(a)pyrene	24.716	252	1492830	23.538	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.639	276	1344013m	15.881	ng/u1	
95) Dibenzo(a,h)anthracene	28.686	278	601074	8.771	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	29.768	276	144884m	2.201	ng/ul	

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

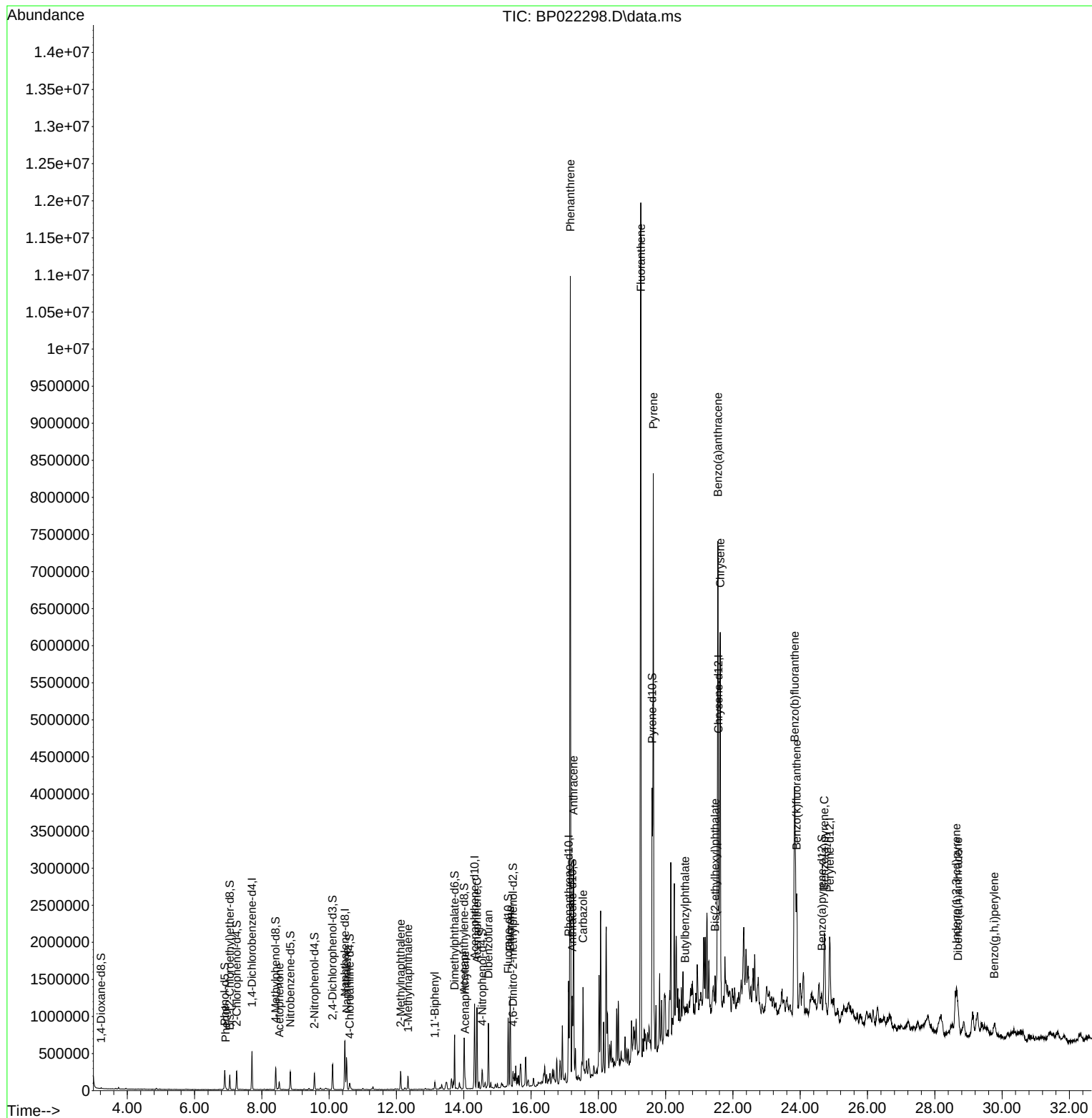
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100924\
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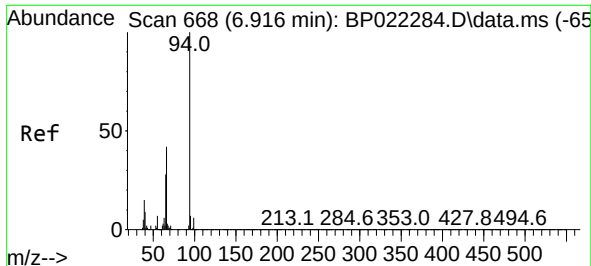
Instrument :
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#8

Phenol

Concen: 1.242 ng/ul

RT: 6.922 min Scan# 60

Delta R.T. 0.012 min

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BNA_P

ClientSampleId :

A4EJ0

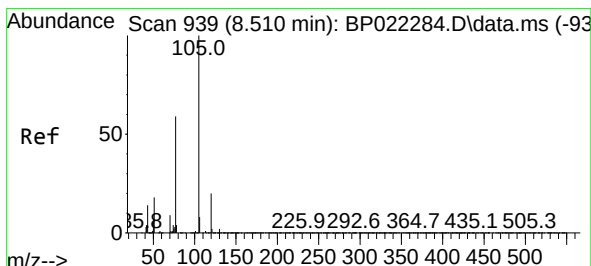
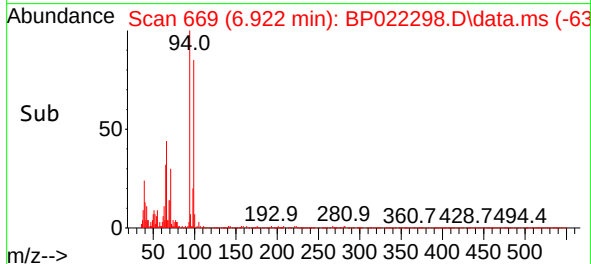
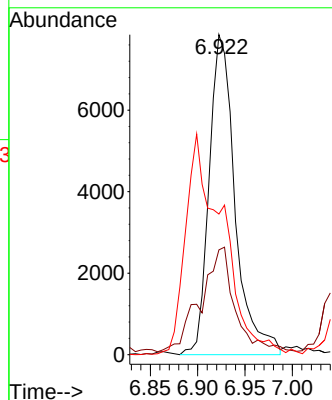
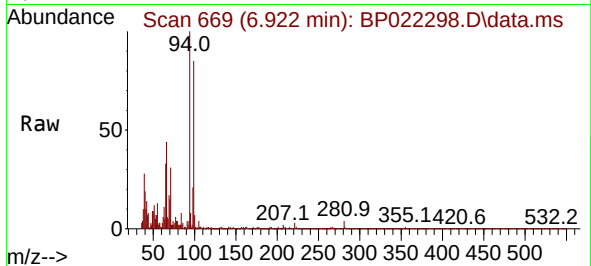
Tgt Ion: 94	Resp: 1496
Ion Ratio	Lower Upper
94 100	
65 32.7	25.9 38.9
66 44.0	37.6 56.4

Manual Integrations

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#16

Acetophenone

Concen: 3.768 ng/ul

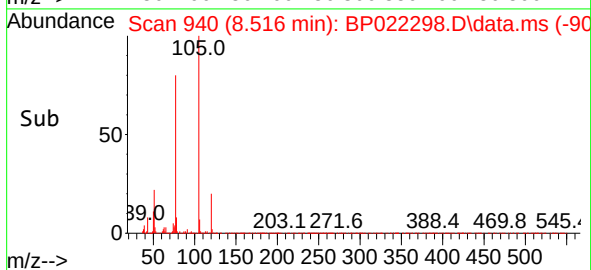
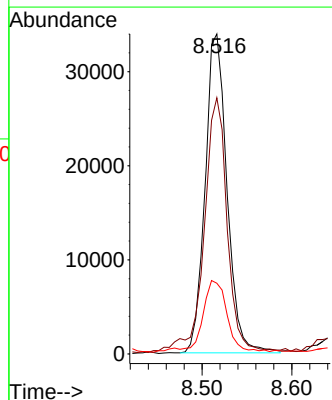
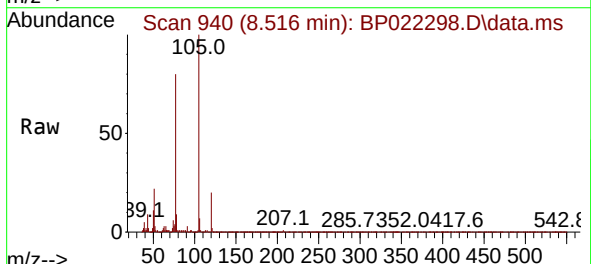
RT: 8.516 min Scan# 940

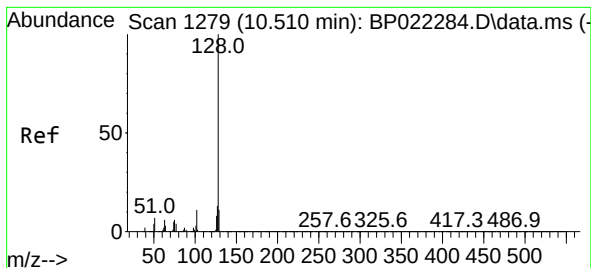
Delta R.T. 0.006 min

Lab File: BP022298.D

Acq: 09 Oct 2024 20:27

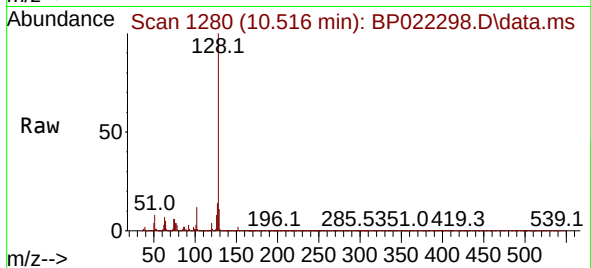
Tgt Ion:105	Resp: 57481
Ion Ratio	Lower Upper
105 100	
77 80.1	69.0 103.4
51 22.1	22.6 33.8





#30
Naphthalene
Concen: 10.878 ng/ul
RT: 10.516 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

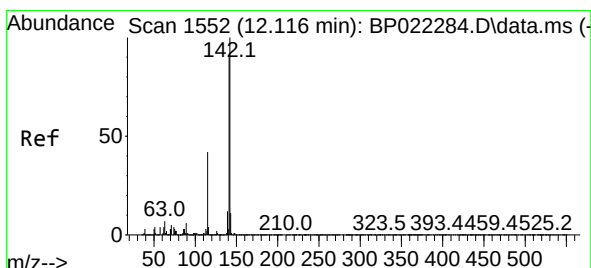
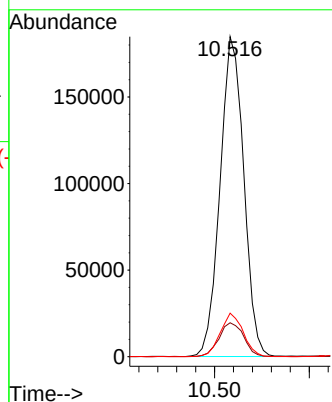
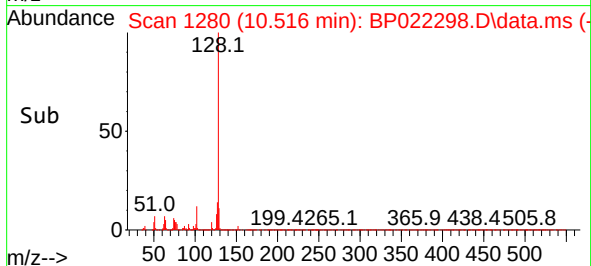
Instrument :
BNA_P
ClientSampleId :
A4EJ0



Tgt Ion:128 Resp: 321489
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 13.6 9.9 14.9

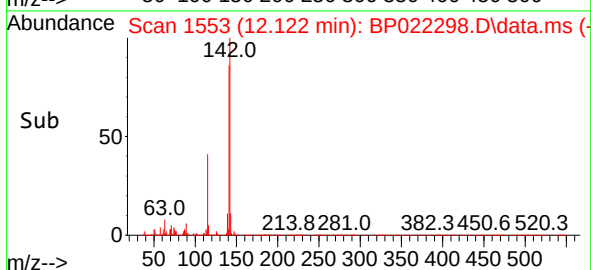
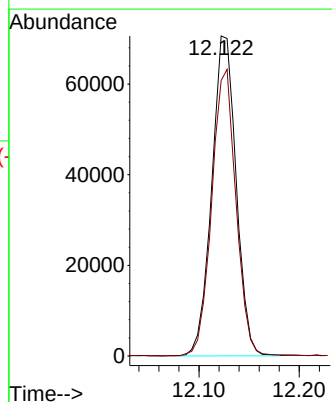
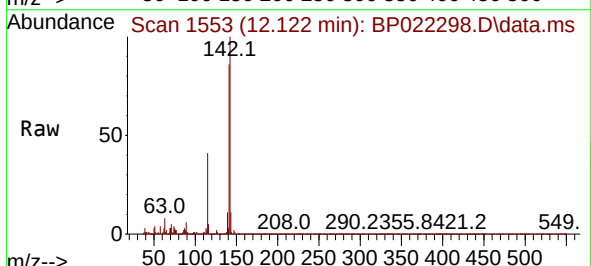
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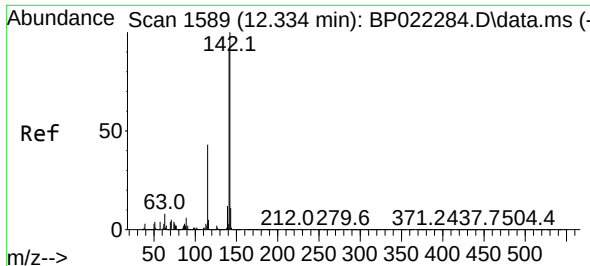
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#36
2-Methylnaphthalene
Concen: 5.506 ng/ul
RT: 12.122 min Scan# 1553
Delta R.T. 0.006 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

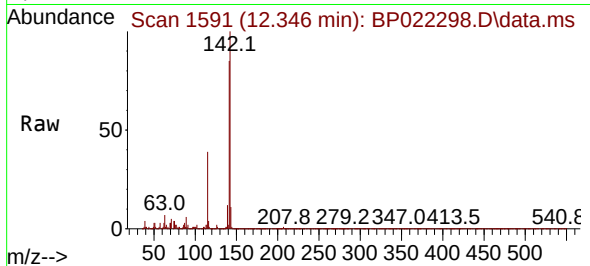
Tgt Ion:142 Resp: 119449
Ion Ratio Lower Upper
142 100
141 86.1 69.8 104.6





#37
1-Methylnaphthalene
Concen: 3.540 ng/ul
RT: 12.346 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

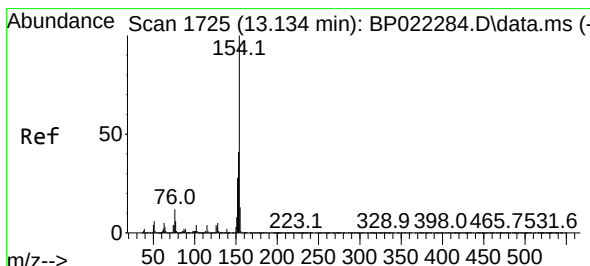
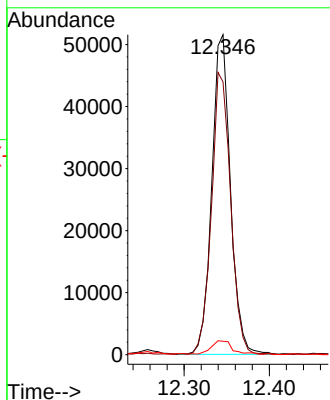
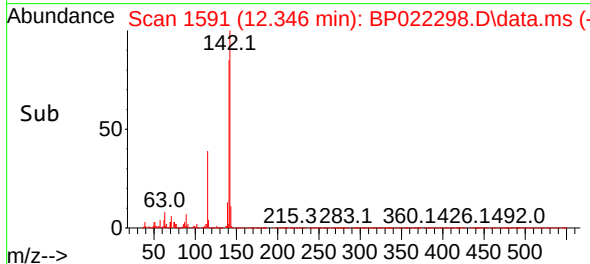
Instrument :
BNA_P
ClientSampleId :
A4EJ0



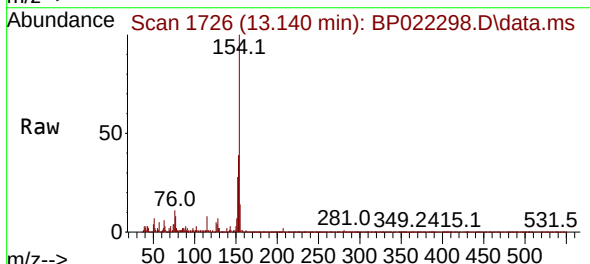
Tgt Ion:142 Resp: 7838
Ion Ratio Lower Upper
142 100
141 85.3 74.8 112.2
116 4.2 4.1 6.1

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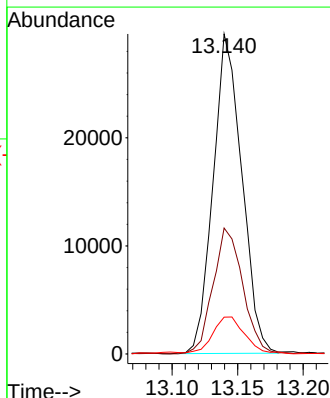
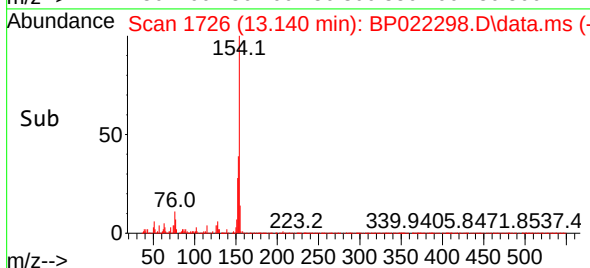
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

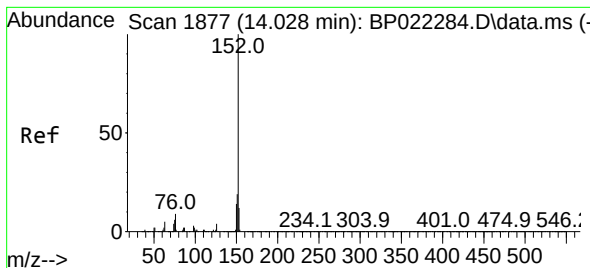


#43
1,1'-Biphenyl
Concen: 1.474 ng/ul
RT: 13.140 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27



Tgt Ion:154 Resp: 44948
Ion Ratio Lower Upper
154 100
153 39.3 32.5 48.7
76 11.5 9.0 13.6





#50

Acenaphthylene

Concen: 1.987 ng/ul

RT: 14.040 min Scan# 1877

Delta R.T. 0.006 min

Lab File: BP022298.D

Acq: 09 Oct 2024 20:27

Instrument :

BNA_P

ClientSampleId :

A4EJ0

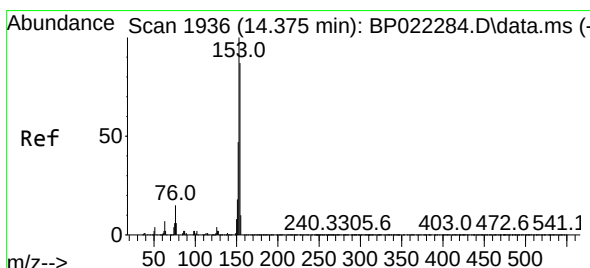
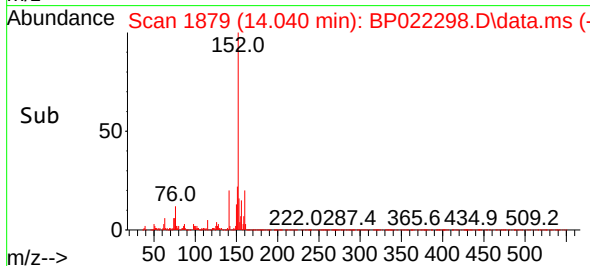
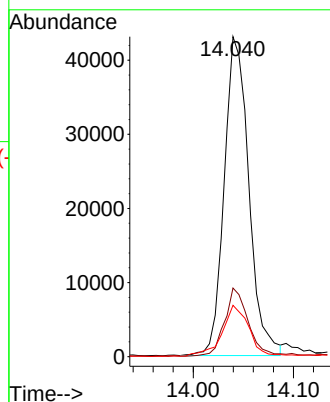
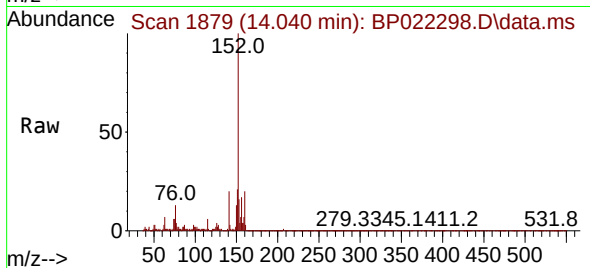
Tgt Ion:	152	Resp:	73624
Ion Ratio	Lower	Upper	
152	100		
151	21.5	15.8	23.6
153	16.1	10.3	15.5

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#52

Acenaphthene

Concen: 18.868 ng/ul

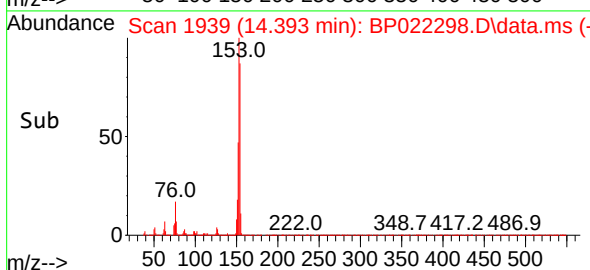
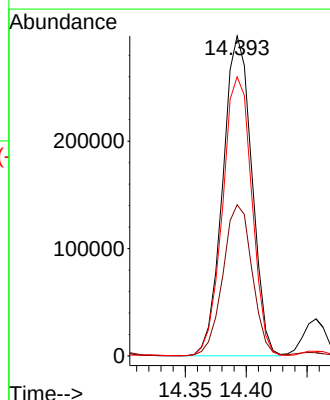
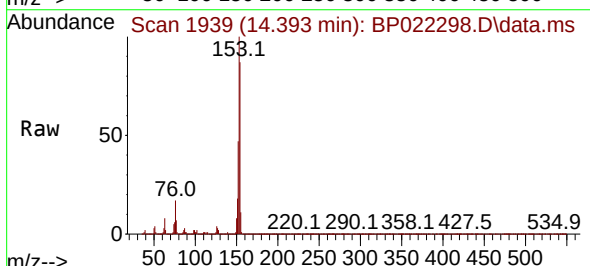
RT: 14.393 min Scan# 1939

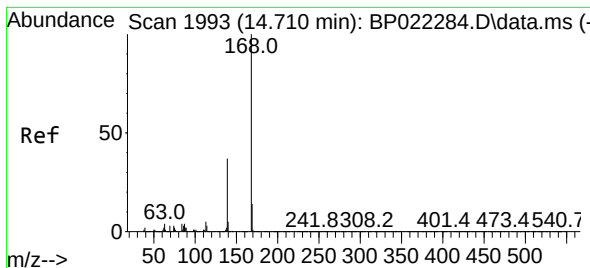
Delta R.T. 0.012 min

Lab File: BP022298.D

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Tgt Ion:	153	Resp:	494347
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.8	56.6
154	87.2	69.5	104.3





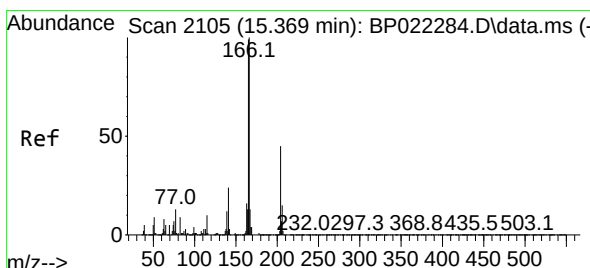
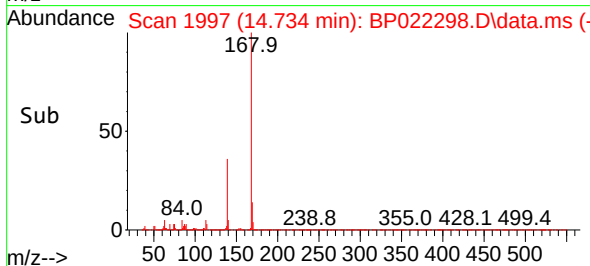
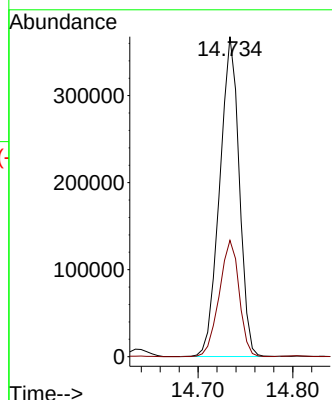
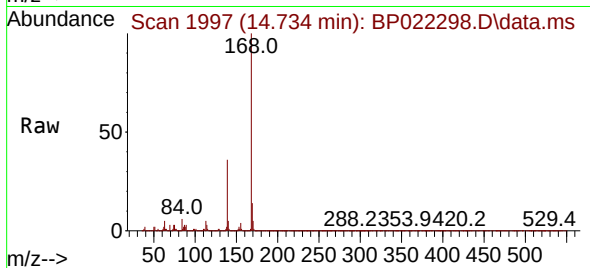
#56
Dibenzenofuran
Concen: 13.418 ng/ul
RT: 14.734 min Scan# 1997
Delta R.T. 0.018 min
Lab File: BP022298.D
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Tgt Ion:168 Resp: 528080
Ion Ratio Lower Upper
168 100
139 36.3 30.2 45.2

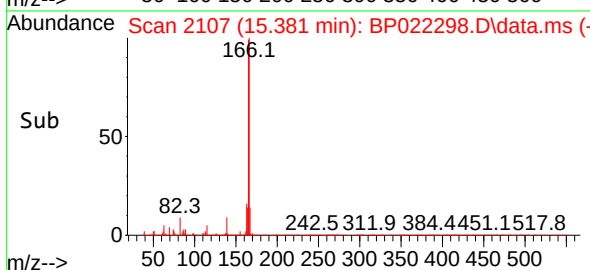
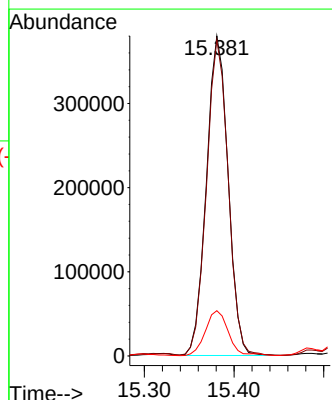
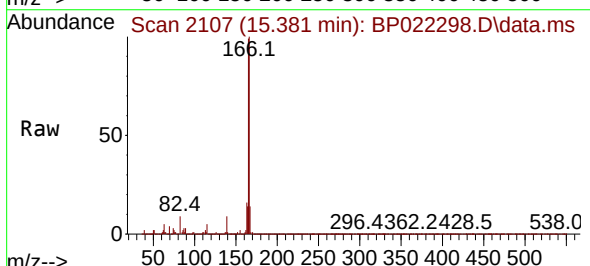
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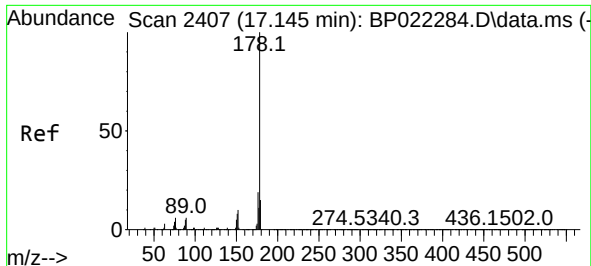
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#61
Fluorene
Concen: 19.915 ng/ul
RT: 15.381 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

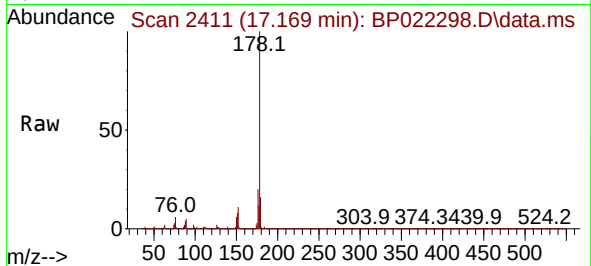
Tgt Ion:166 Resp: 638600
Ion Ratio Lower Upper
166 100
165 98.7 77.8 116.6
167 14.1 11.1 16.7





#72
Phenanthrene
Concen: 152.558 ng/ul
RT: 17.169 min Scan# 2411
Delta R.T. 0.012 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

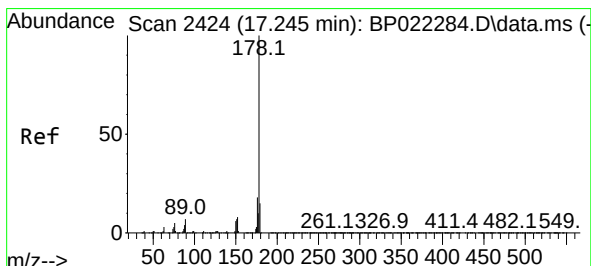
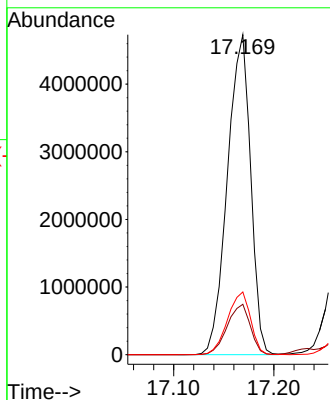
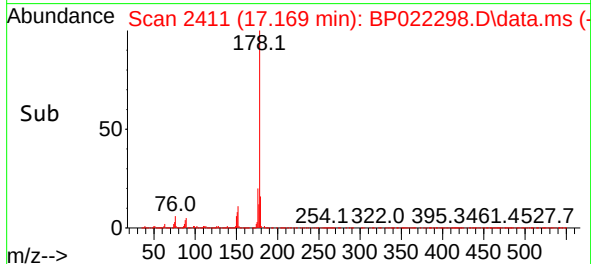
Instrument :
BNA_P
ClientSampleId :
A4EJ0



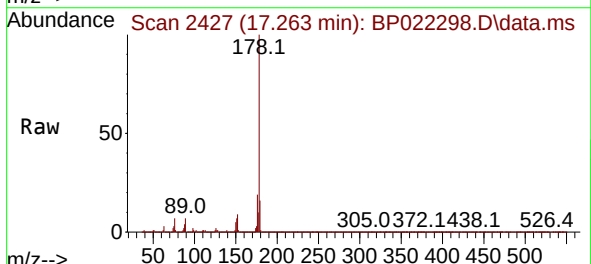
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Ion Ratio Lower Upper
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179 15.7 12.2 18.4
176 19.6 15.7 23.5

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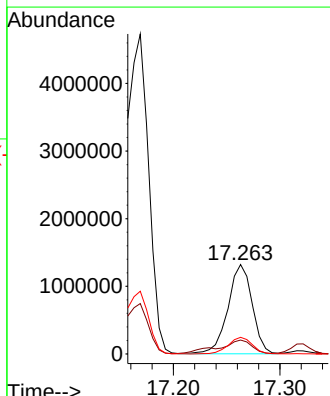
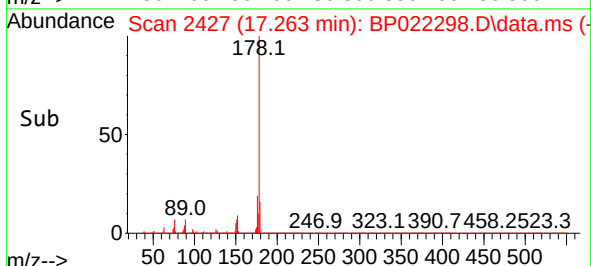
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

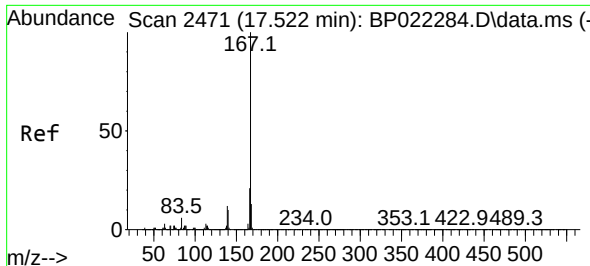


#74
Anthracene
Concen: 42.106 ng/ul
RT: 17.263 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27



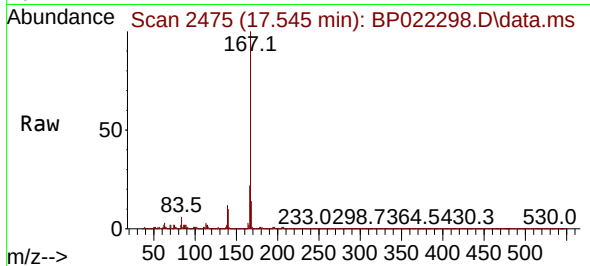
Tgt Ion:178 Resp: 2096742
Ion Ratio Lower Upper
178 100
179 15.6 12.0 18.0
176 18.6 15.0 22.4





#77
Carbazole
Concen: 17.357 ng/ul
RT: 17.545 min Scan# 2475
Delta R.T. 0.006 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

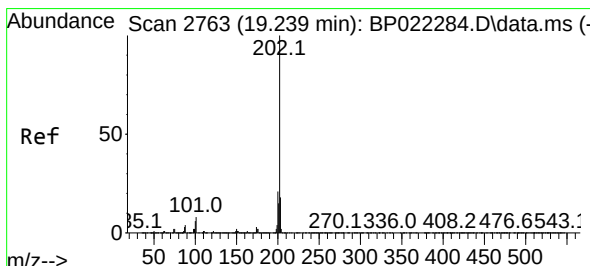
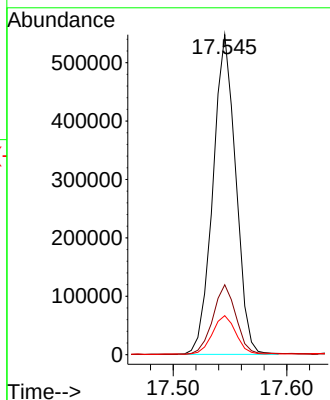
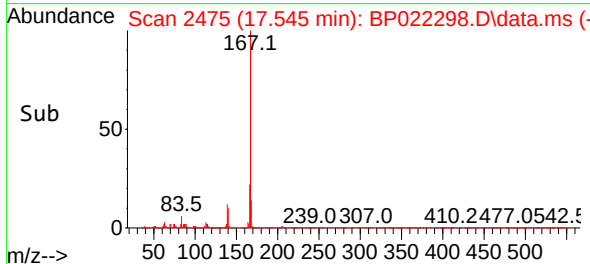
Instrument :
BNA_P
ClientSampleId :
A4EJ0



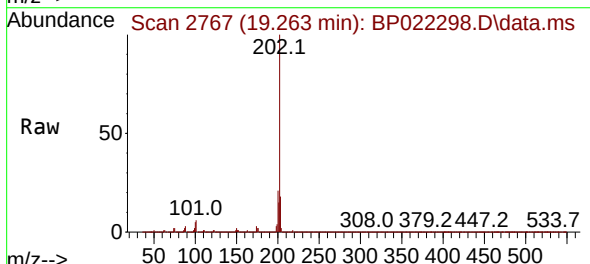
Tgt Ion:167 Resp: 764780
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 12.2 10.3 15.5

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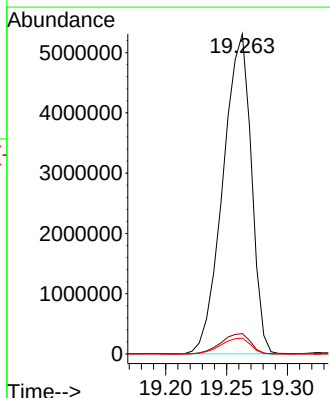
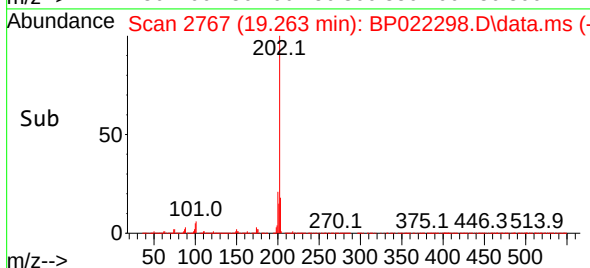
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

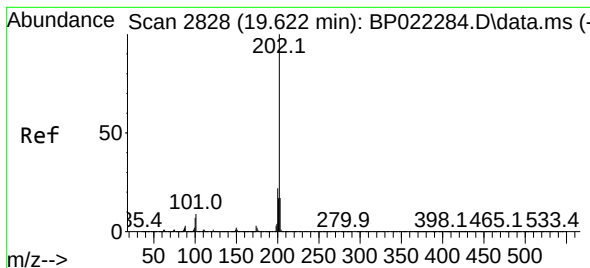


#80
Fluoranthene
Concen: 160.800 ng/ul
RT: 19.263 min Scan# 2767
Delta R.T. 0.018 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27



Tgt Ion:202 Resp: 8597786
Ion Ratio Lower Upper
202 100
101 6.4 5.8 8.8
100 4.9 4.5 6.7





#82

Pyrene

Concen: 91.928 ng/ul

RT: 19.633 min Scan# 2830

Delta R.T. 0.012 min

Lab File: BP022298.D

Acq: 09 Oct 2024 20:27

Instrument :

BNA_P

ClientSampleId :

A4EJ0

Tgt Ion:202 Resp: 526818

Ion Ratio Lower Upper

202 100

101 7.8 6.7 10.1

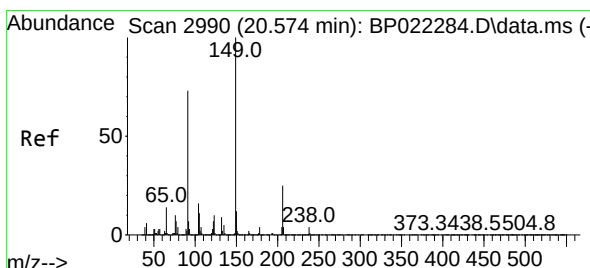
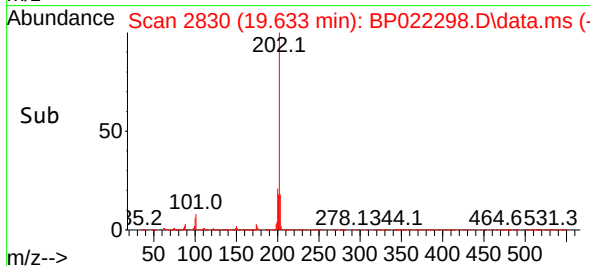
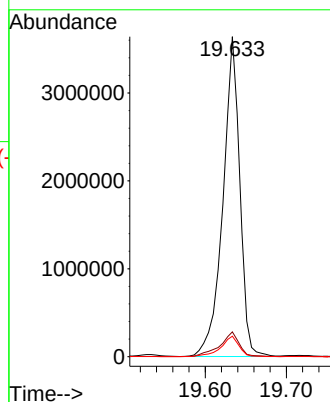
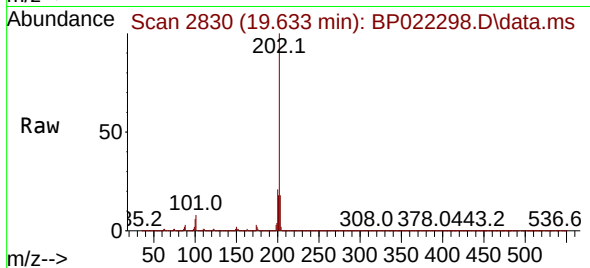
100 6.4 5.8 8.6

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Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/11/2024



#83

Butylbenzylphthalate

Concen: 1.108 ng/ul

RT: 20.580 min Scan# 2991

Delta R.T. 0.006 min

Lab File: BP022298.D

Acq: 09 Oct 2024 20:27

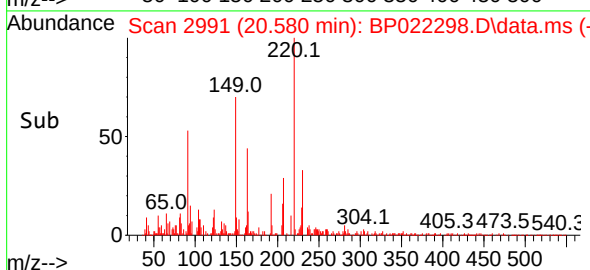
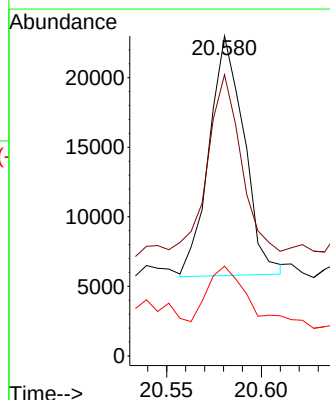
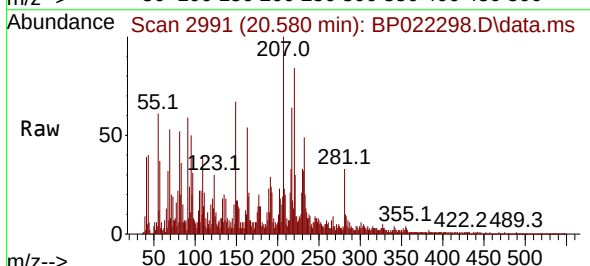
Tgt Ion:149 Resp: 22111

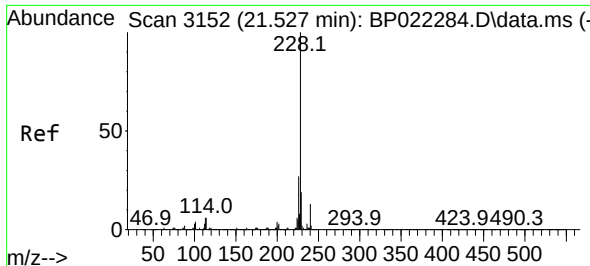
Ion Ratio Lower Upper

149 100

91 87.9 56.6 84.8#

206 28.1 18.6 27.8#





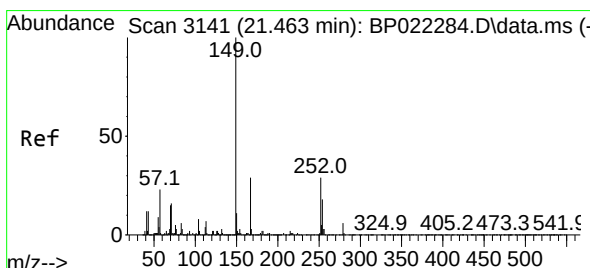
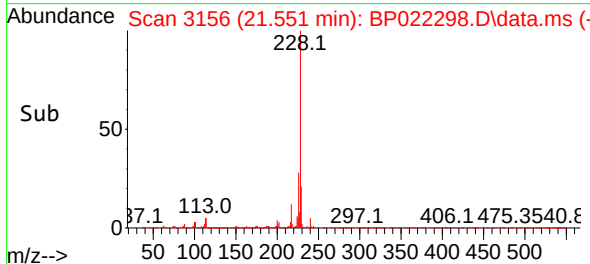
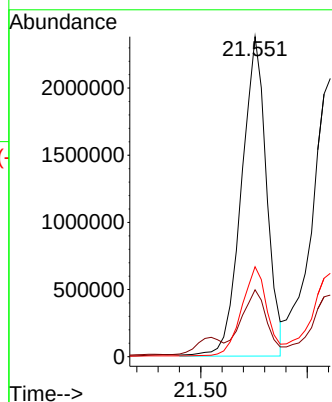
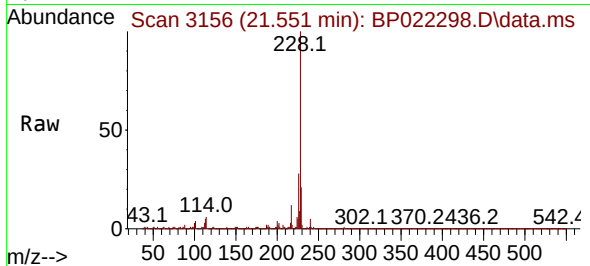
#85
Benzo(a)anthracene
Concen: 63.246 ng/ul
RT: 21.551 min Scan# 3156
Delta R.T. 0.029 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

Instrument :
BNA_P
ClientSampleId :
A4EJ0

Tgt Ion:228 Resp: 3899540
Ion Ratio Lower Upper
228 100
229 20.9 15.4 23.0
226 28.1 21.5 32.3

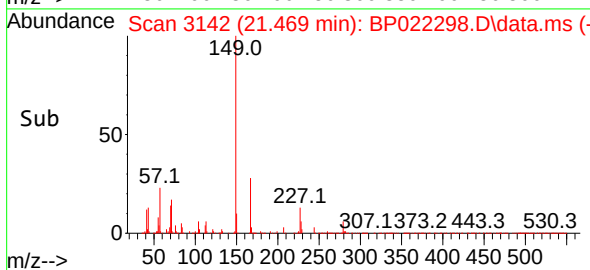
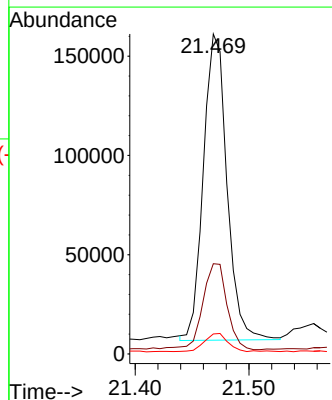
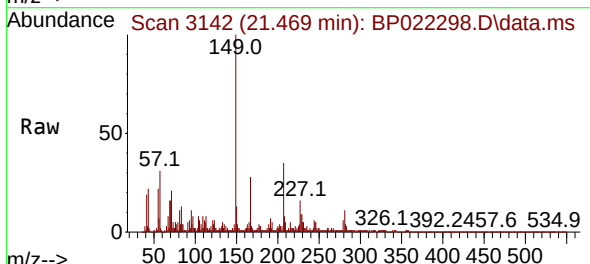
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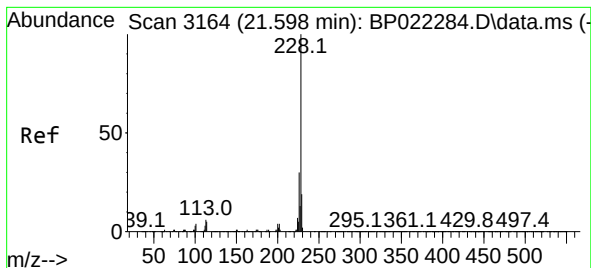
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 7.779 ng/ul
RT: 21.469 min Scan# 3142
Delta R.T. 0.006 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

Tgt Ion:149 Resp: 222789
Ion Ratio Lower Upper
149 100
167 28.2 23.0 34.4
279 6.3 4.8 7.2





#87

Chrysene

Concen: 65.127 ng/ul

RT: 21.622 min Scan# 3164

Delta R.T. 0.029 min

Lab File: BP022298.D

Acq: 09 Oct 2024 20:27

Instrument :

BNA_P

ClientSampleId :

A4EJ0

Tgt Ion:228 Resp: 3723340

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

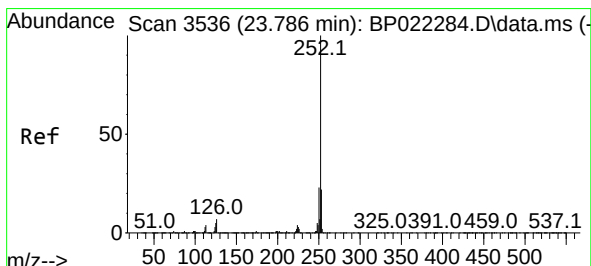
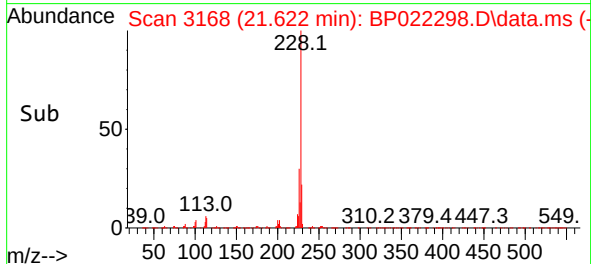
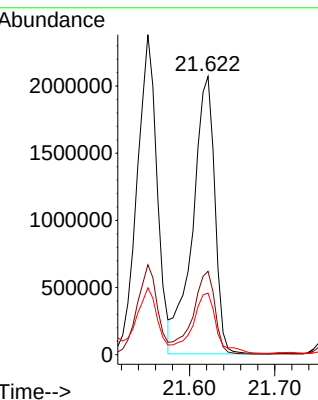
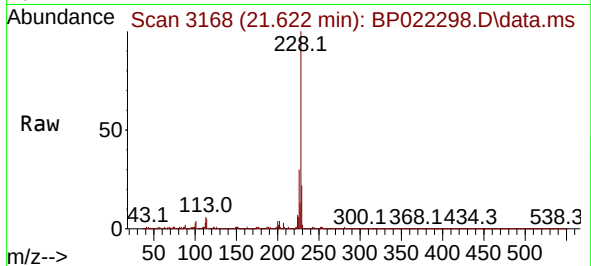
229 22.1 15.5 23.3

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Supervised By :mohammad ahmed 10/11/2024



#90

Benzo(b)fluoranthene

Concen: 63.189 ng/ul

RT: 23.833 min Scan# 3544

Delta R.T. 0.047 min

Lab File: BP022298.D

Acq: 09 Oct 2024 20:27

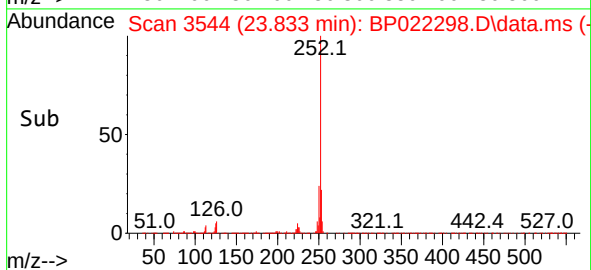
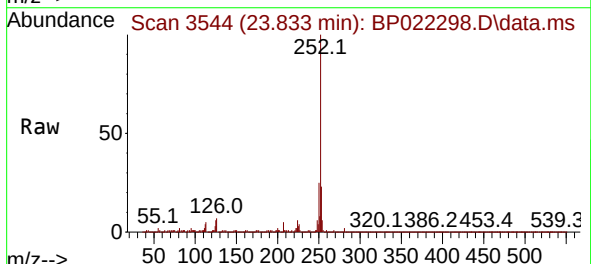
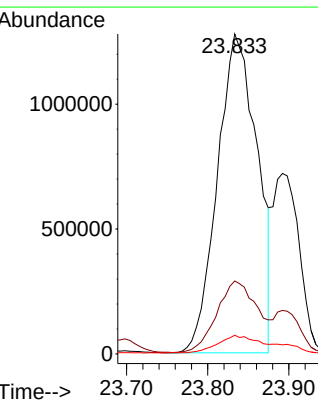
Tgt Ion:252 Resp: 4354377

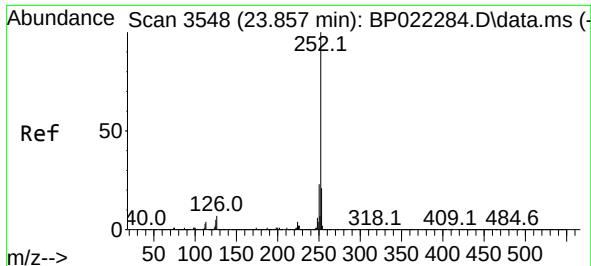
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

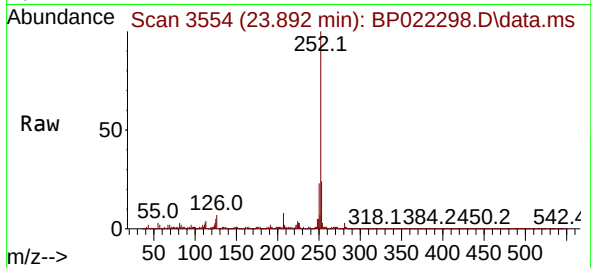
125 5.8 5.0 7.4





#91
Benzo(k)fluoranthene
Concen: 23.761 ng/u1
RT: 23.892 min Scan# 31
Delta R.T. 0.035 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27

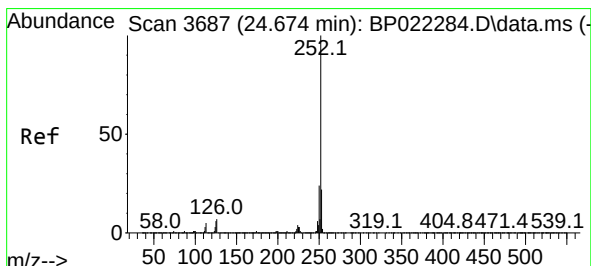
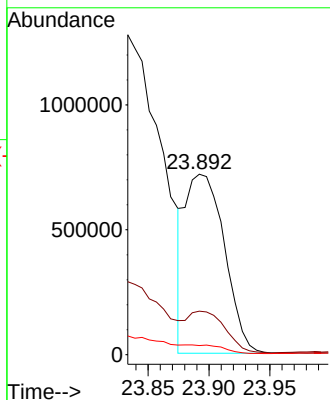
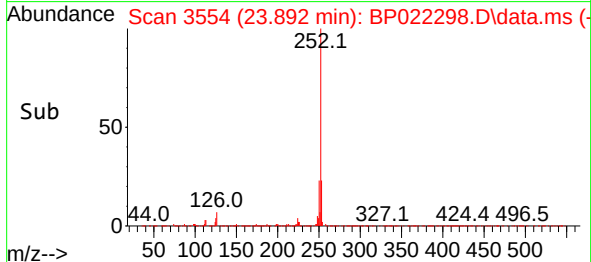
Instrument :
BNA_P
ClientSampleId :
A4EJ0



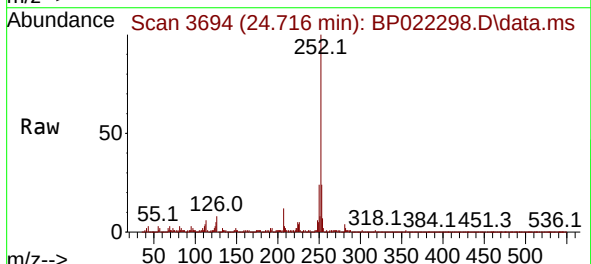
Tgt Ion:252 Resp: 1603040
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 5.1 4.6 6.8

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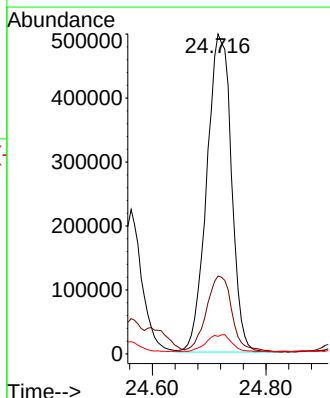
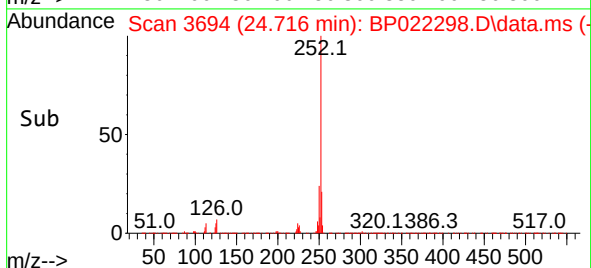
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/11/2024

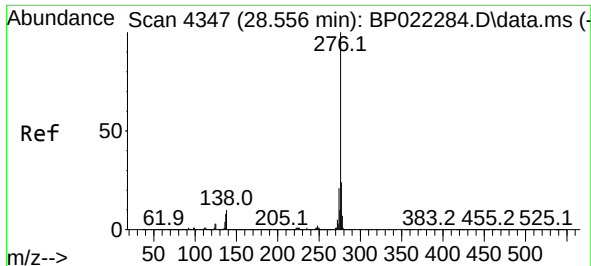


#93
Benzo(a)pyrene
Concen: 23.538 ng/u1
RT: 24.716 min Scan# 3694
Delta R.T. 0.041 min
Lab File: BP022298.D
Acq: 09 Oct 2024 20:27



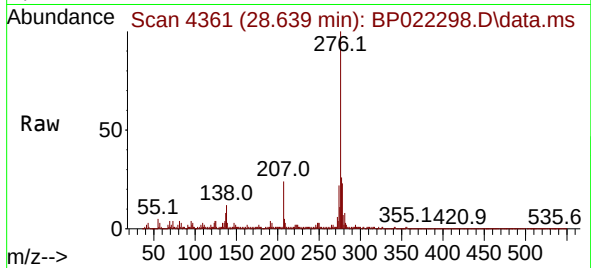
Tgt Ion:252 Resp: 1492830
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 5.5 4.9 7.3





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 15.881 ng/ul m
 RT: 28.639 min Scan# 4361
 Delta R.T. 0.077 min
 Lab File: BP022298.D
 Acq: 09 Oct 2024 20:27

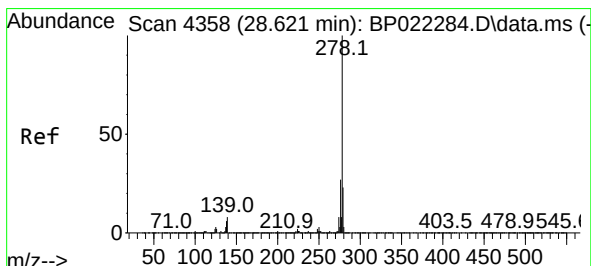
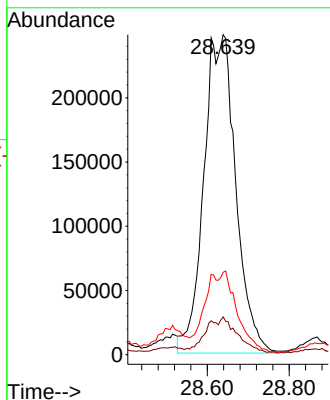
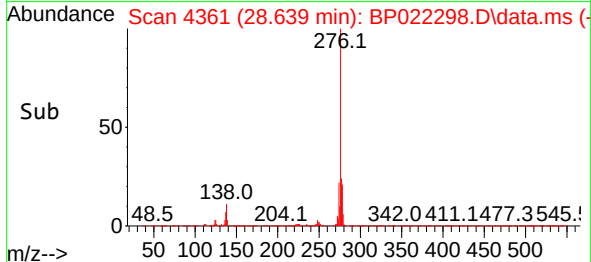
Instrument :
 BNA_P
 ClientSampleId :
 A4EJ0



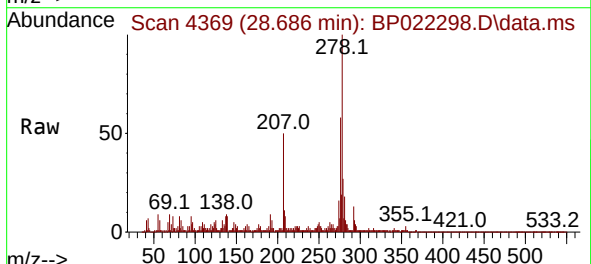
Tgt Ion:276 Resp: 134401
 Ion Ratio Lower Upper
 276 100
 138 11.8 9.1 13.7
 277 25.8 18.6 27.8

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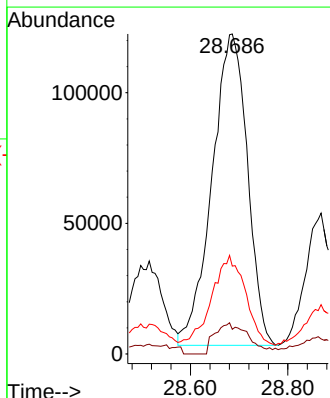
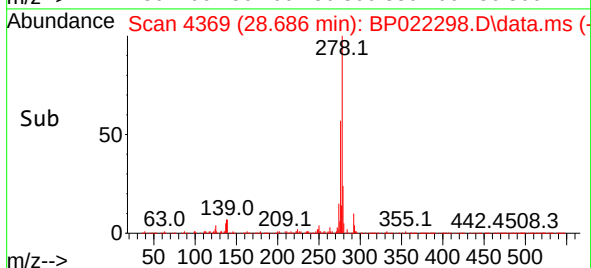
Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024

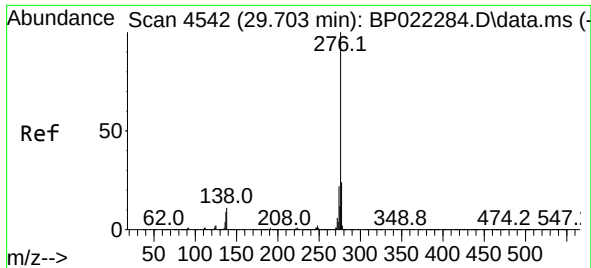


#95
 Dibenzo(a,h)anthracene
 Concen: 8.771 ng/ul
 RT: 28.686 min Scan# 4369
 Delta R.T. 0.053 min
 Lab File: BP022298.D
 Acq: 09 Oct 2024 20:27



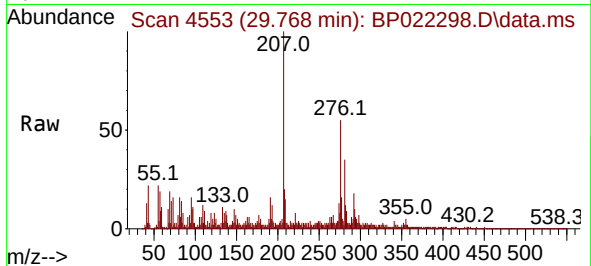
Tgt Ion:278 Resp: 601074
 Ion Ratio Lower Upper
 278 100
 139 7.7 7.3 10.9
 279 27.5 19.0 28.4





#96
 Benzo(g,h,i)perylene
 Concen: 2.201 ng/ul m
 RT: 29.768 min Scan# 4
 Delta R.T. 0.053 min
 Lab File: BP022298.D
 Acq: 09 Oct 2024 20:27

Instrument :
 BNA_P
 ClientSampleId :
 A4EJ0



Tgt Ion:276 Resp: 144884
 Ion Ratio Lower Upper
 276 100
 138 13.6 8.5 12.7
 277 29.2 19.0 28.4

Manual Integrations
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Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/11/2024

