

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
 Data File : BP022621.D
 Acq On : 25 Oct 2024 22:01
 Operator : RC/JU
 Sample : P4436-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4F47

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/26/2024
 Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 25 23:18:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 05:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	92992	20.000	ng/u1	0.00
20) Naphthalene-d8	10.404	136	351968	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.269	164	270688	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	668837	20.000	ng/u1	0.00
79) Chrysene-d12	21.510	240	765725	20.000	ng/u1	# 0.01
88) Perylene-d12	24.774	264	921497	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	4851	2.027	ng/uL	-0.01
4) Pyridine-d5	3.605	84	66398	10.107	ng/u1	0.00
7) Phenol-d5	6.840	99	109976	14.049	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	6.993	67	56085	12.190	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.193	132	78632	14.157	ng/u1	-0.01
15) 4-Methylphenol-d8	8.357	113	93071	14.899	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	37485	13.851	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	47287	15.092	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	102666	15.417	ng/u1	0.00
31) 4-Chloroaniline-d4	10.546	131	100578	12.782	ng/u1	-0.01
46) Dimethylphthalate-d6	13.675	166	372840	17.336	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	363895	15.930	ng/u1	0.00
54) 4-Nitrophenol-d4	14.504	143	44957	12.460	ng/u1	0.00
60) Fluorene-d10	15.269	176	331512	17.771	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.422	200	52264	11.881	ng/u1	0.00
73) Anthracene-d10	17.180	188	599658	19.059	ng/u1	0.01
81) Pyrene-d10	19.563	212	798094	19.709	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.562	264	960465	19.517	ng/u1	0.04
Target Compounds						
					Qvalue	
30) Naphthalene	10.451	128	49103	2.619	ng/u1	96
36) 2-Methylnaphthalene	12.069	142	23454	1.704	ng/u1	97
37) 1-Methylnaphthalene	12.293	142	19330	1.376	ng/u1	96
52) Acenaphthene	14.334	153	87253	5.205	ng/u1	98
56) Dibenzofuran	14.675	168	113608	4.512	ng/u1	97
61) Fluorene	15.334	166	133887	6.525	ng/u1	99
72) Phenanthrene	17.122	178	1776912	49.657	ng/u1	99
74) Anthracene	17.210	178	470067	13.164	ng/u1	99
77) Carbazole	17.498	167	135111	4.276	ng/u1	99
80) Fluoranthene	19.210	202	2117939	45.497	ng/u1	98
82) Pyrene	19.592	202	1655628	33.183	ng/u1	97
85) Benzo(a)anthracene	21.492	228	817869	15.236	ng/u1	98
87) Chrysene	21.557	228	714429	14.353	ng/u1	97
90) Benzo(b)fluoranthene	23.757	252	895533	15.439	ng/u1	99
91) Benzo(k)fluoranthene	23.821	252	305917m	5.387	ng/u1	
93) Benzo(a)pyrene	24.621	252	642276	12.031	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.498	276	419332m	5.886	ng/u1	
95) Dibenzo(a,h)anthracene	28.539	278	112166m	1.944	ng/u1	
96) Benzo(g,h,i)perylene	29.650	276	376338m	6.792	ng/u1	

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

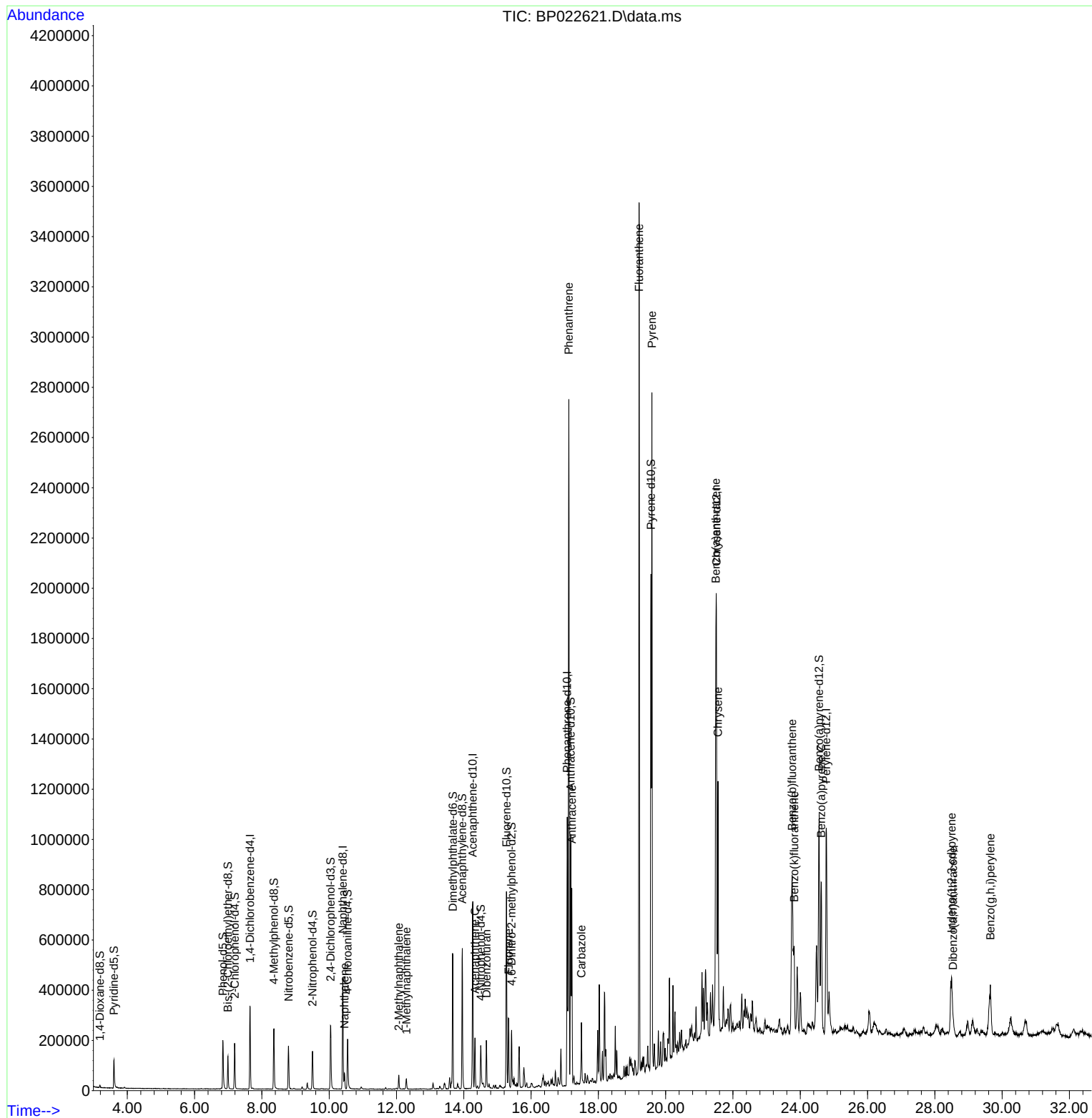
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022621.D
Acq On : 25 Oct 2024 22:01
Operator : RC/JU
Sample : P4436-05
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ALS Vial : 21 Sample Multiplier: 1

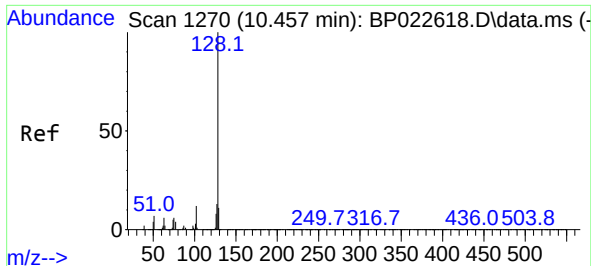
Instrument :
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Quant Title : SVOA CALIBRATION
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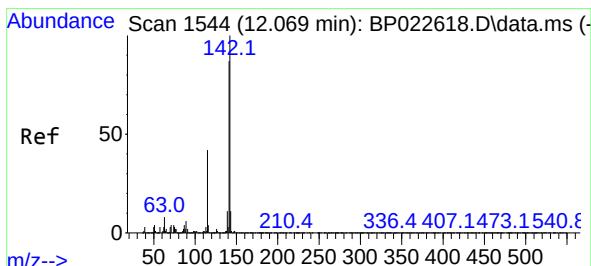
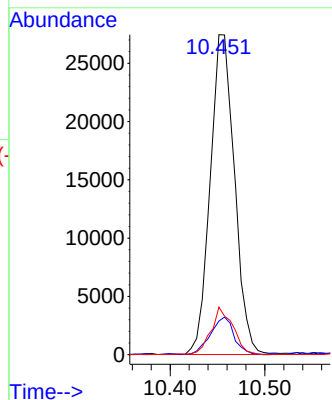
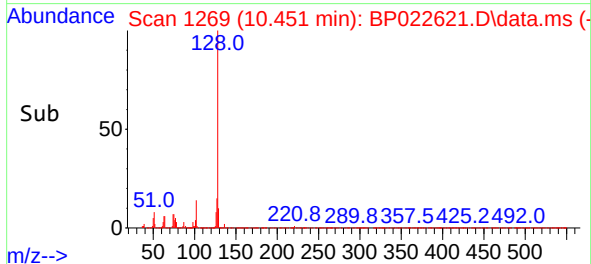
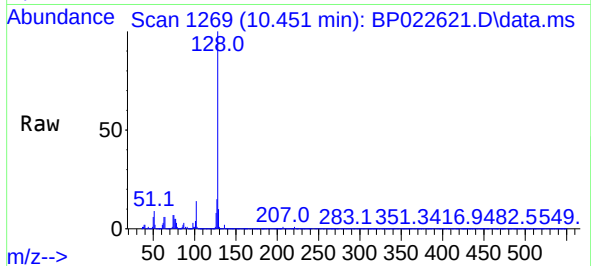
#30
Naphthalene
Concen: 2.619 ng/ul
RT: 10.451 min Scan# 1269
Delta R.T. -0.017 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Instrument :
BNA_P
ClientSampleId :
A4F47

Tgt Ion:128 Resp: 4910
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 14.9 9.9 14.9

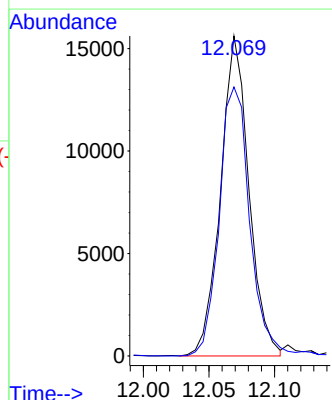
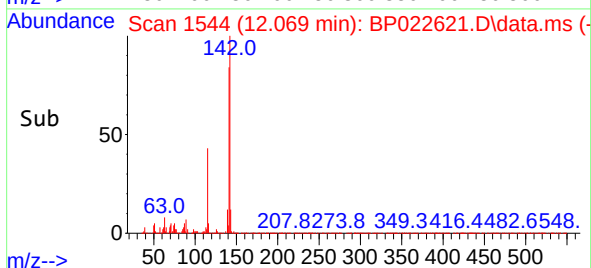
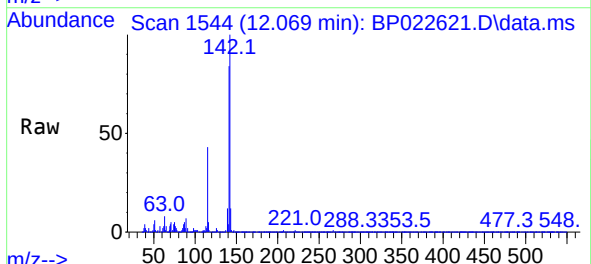
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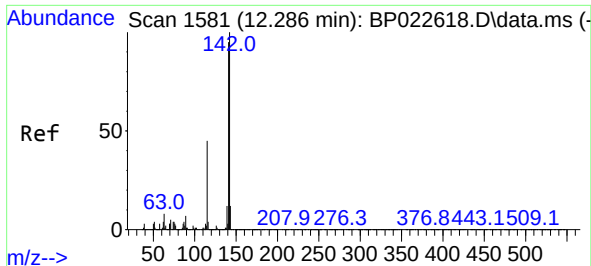
Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024



#36
2-Methylnaphthalene
Concen: 1.704 ng/ul
RT: 12.069 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Tgt Ion:142 Resp: 23454
Ion Ratio Lower Upper
142 100
141 84.1 69.8 104.6





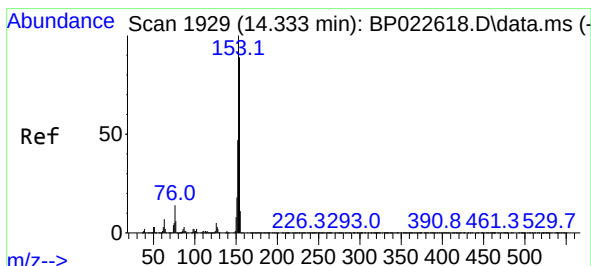
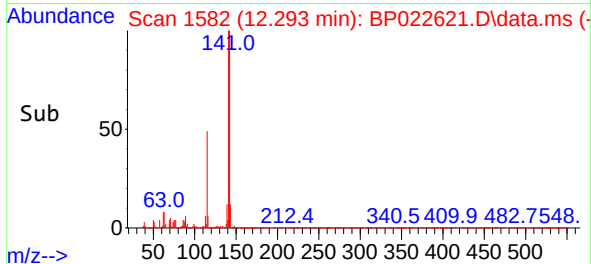
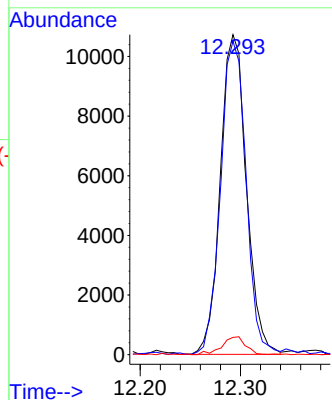
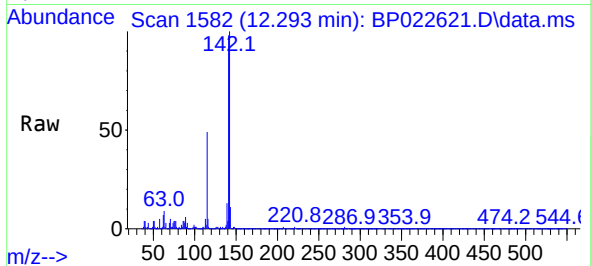
#37
1-Methylnaphthalene
Concen: 1.376 ng/ul
RT: 12.293 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Instrument :
BNA_P
ClientSampleId :
A4F47

Tgt Ion:142 Resp: 19330
Ion Ratio Lower Upper
142 100
141 98.0 74.8 112.2
116 5.4 4.1 6.1

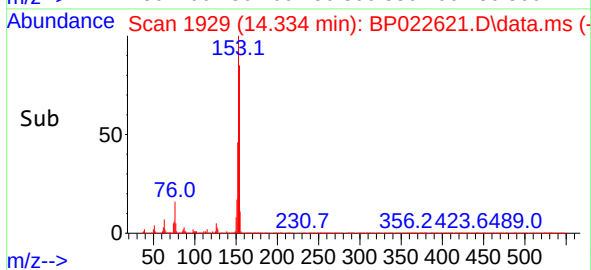
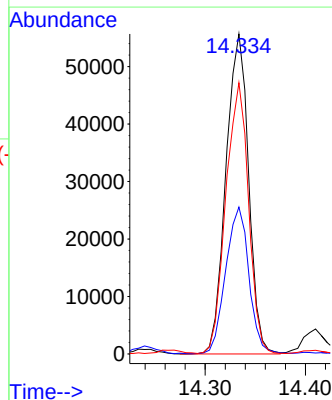
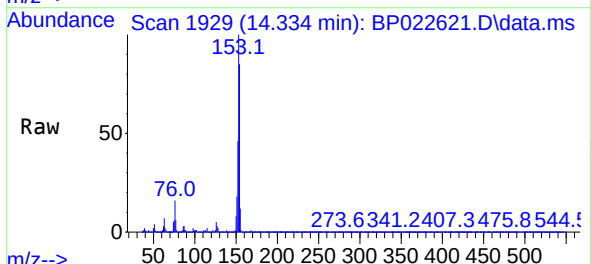
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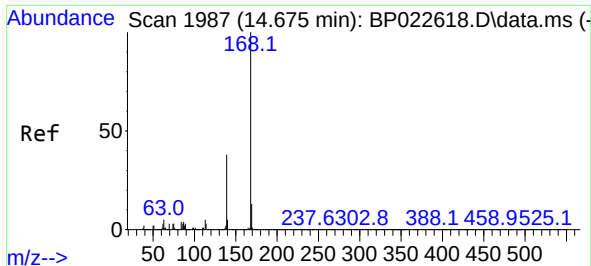
Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024



#52
Acenaphthene
Concen: 5.205 ng/ul
RT: 14.334 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

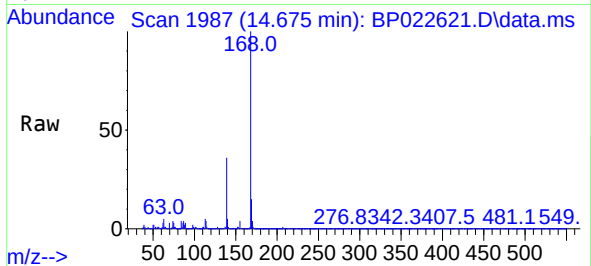
Tgt Ion:153 Resp: 87253
Ion Ratio Lower Upper
153 100
152 45.9 37.8 56.6
154 84.8 69.5 104.3





#56
Dibenzenofuran
Concen: 4.512 ng/ul
RT: 14.675 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

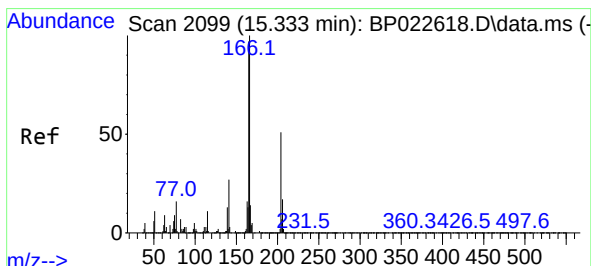
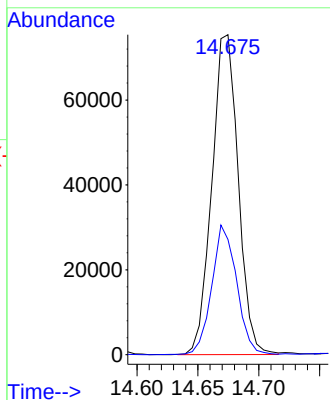
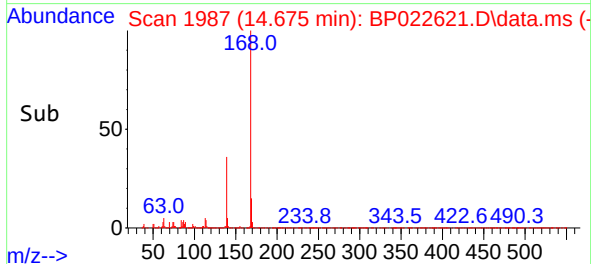
Instrument :
BNA_P
ClientSampleId :
A4F47



Tgt Ion:168 Resp: 113608
Ion Ratio Lower Upper
168 100
139 36.0 30.2 45.2

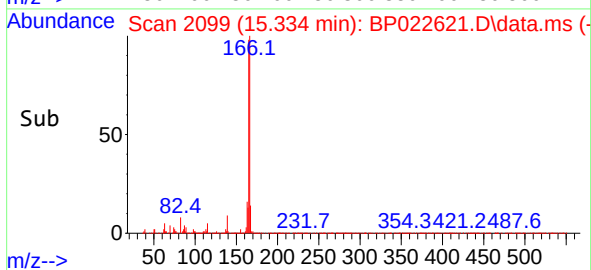
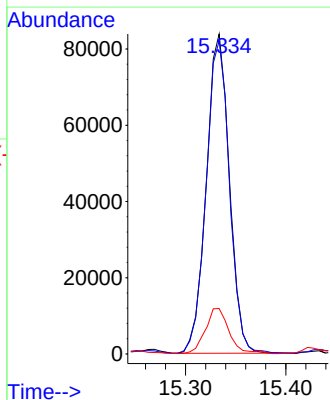
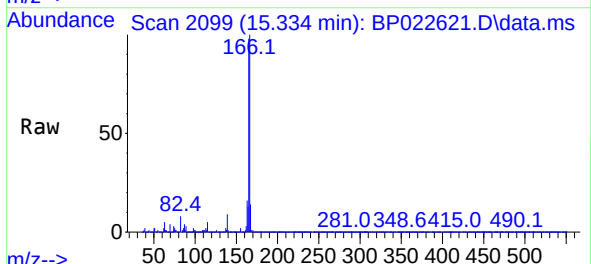
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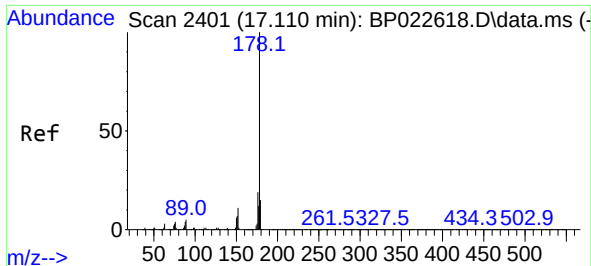
Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024



#61
Fluorene
Concen: 6.525 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

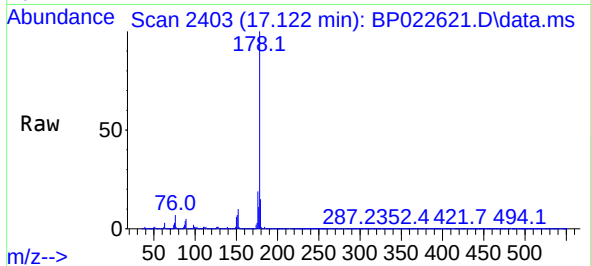
Tgt Ion:166 Resp: 133887
Ion Ratio Lower Upper
166 100
165 97.9 77.8 116.6
167 14.2 11.1 16.7





#72
Phenanthrene
Concen: 49.657 ng/ul
RT: 17.122 min Scan# 2403
Delta R.T. 0.006 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

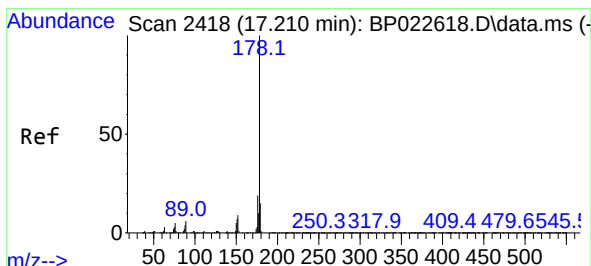
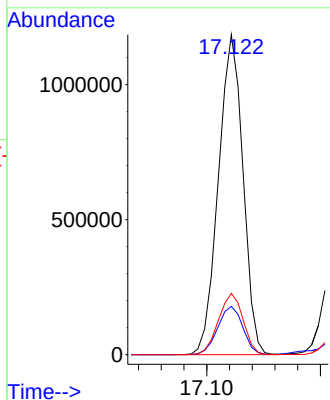
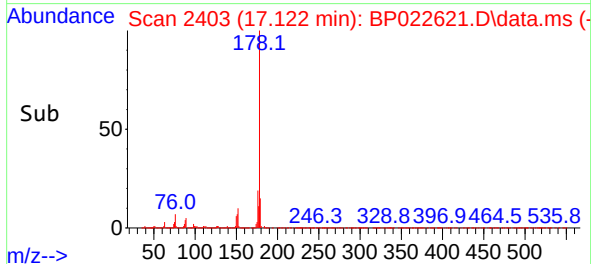
Instrument :
BNA_P
ClientSampleId :
A4F47



Tgt Ion:178 Resp: 177691
Ion Ratio Lower Upper
178 100
179 15.1 12.2 18.4
176 19.2 15.7 23.5

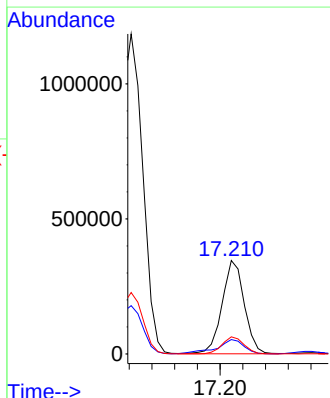
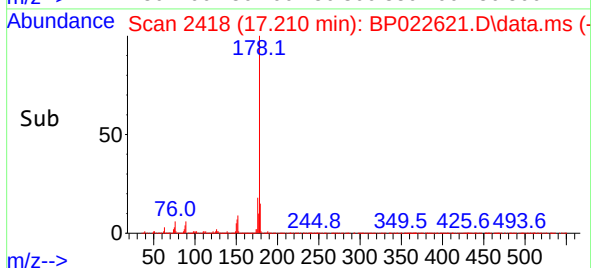
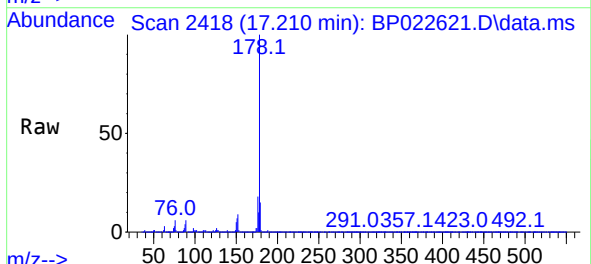
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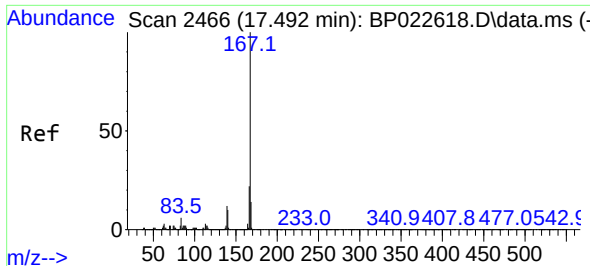
Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024



#74
Anthracene
Concen: 13.164 ng/ul
RT: 17.210 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

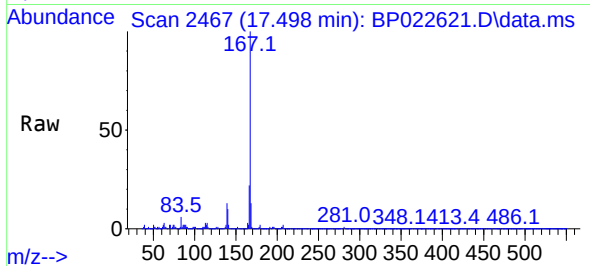
Tgt Ion:178 Resp: 470067
Ion Ratio Lower Upper
178 100
179 15.4 12.0 18.0
176 18.4 15.0 22.4





#77
 Carbazole
 Concen: 4.276 ng/ul
 RT: 17.498 min Scan# 2467
 Delta R.T. 0.000 min
 Lab File: BP022621.D
 Acq: 25 Oct 2024 22:01

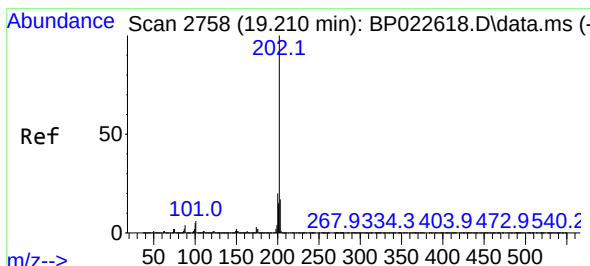
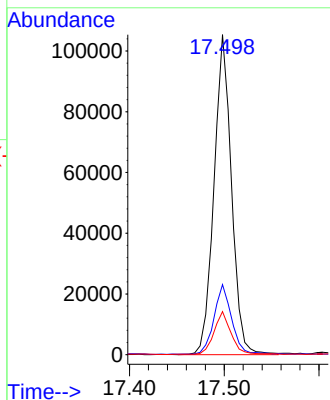
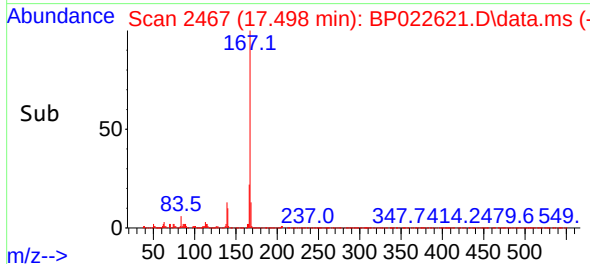
Instrument :
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Tgt Ion:167 Resp: 135111
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 13.4 10.3 15.5

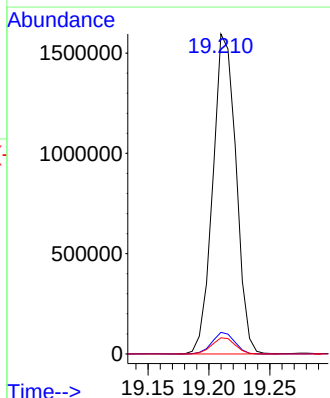
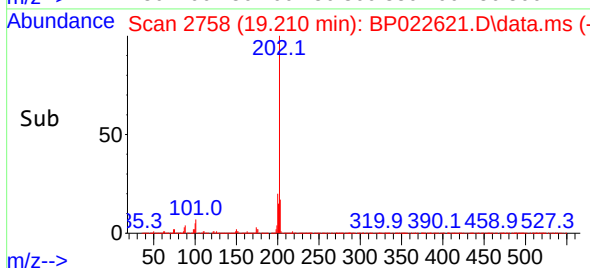
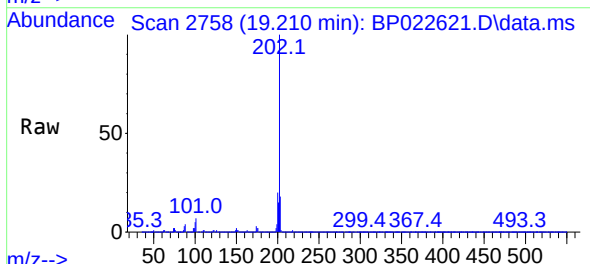
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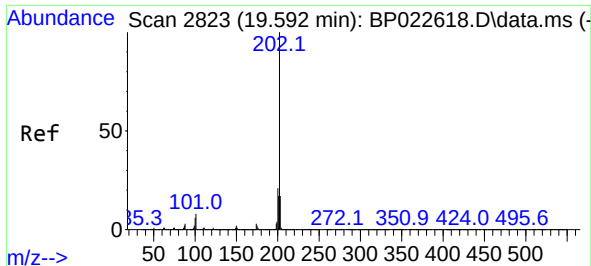
Reviewed By :Yogesh Patel 10/26/2024
 Supervised By :mohammad ahmed 10/29/2024



#80
 Fluoranthene
 Concen: 45.497 ng/ul
 RT: 19.210 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP022621.D
 Acq: 25 Oct 2024 22:01

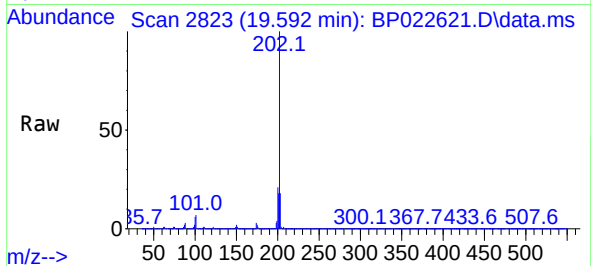
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 Ion Ratio Lower Upper
 202 100
 101 6.8 5.8 8.8
 100 5.1 4.5 6.7





#82
Pyrene
Concen: 33.183 ng/u1
RT: 19.592 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

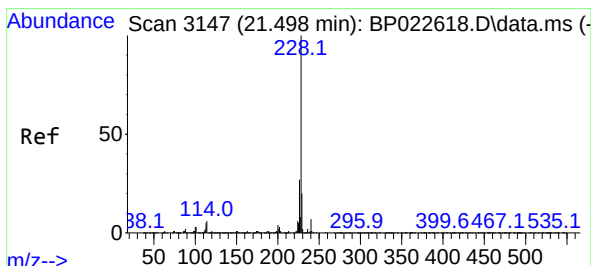
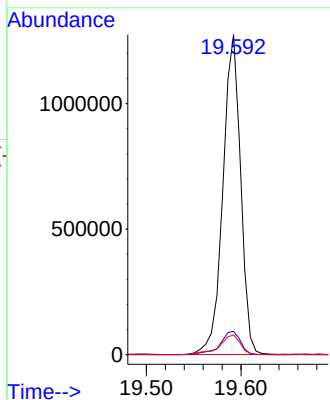
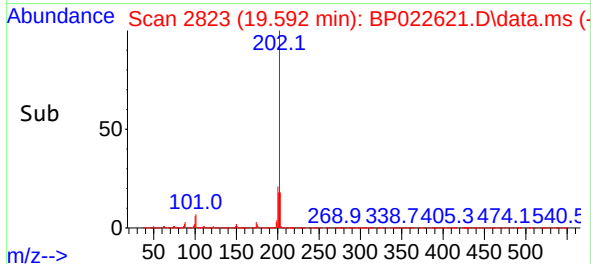
Instrument :
BNA_P
ClientSampleId :
A4F47



Tgt Ion:202 Resp: 1655628
Ion Ratio Lower Upper
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101 7.3 6.7 10.1
100 6.2 5.8 8.6

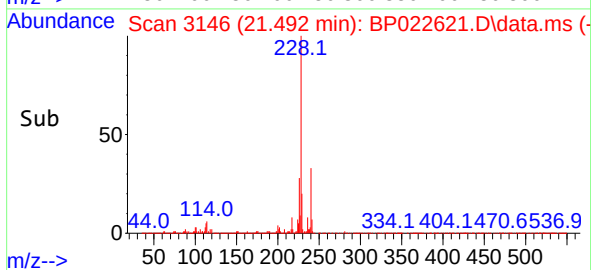
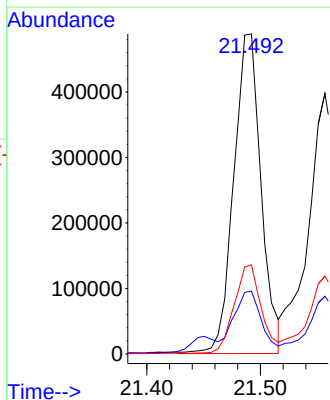
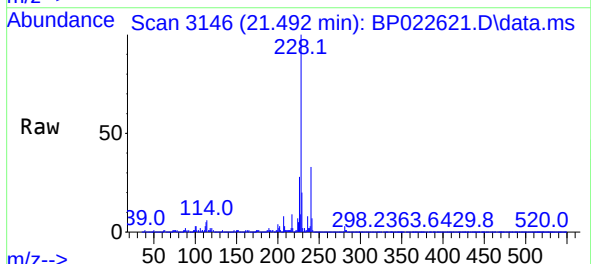
Manual Integrations
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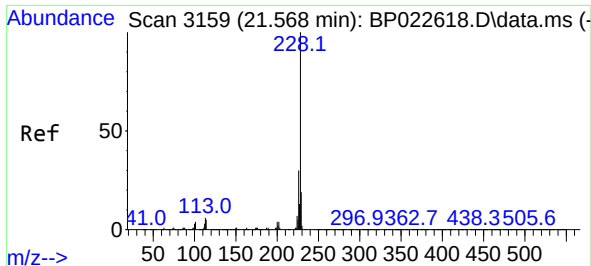
Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024



#85
Benzo(a)anthracene
Concen: 15.236 ng/u1
RT: 21.492 min Scan# 3146
Delta R.T. 0.012 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Tgt Ion:228 Resp: 817869
Ion Ratio Lower Upper
228 100
229 19.7 15.4 23.0
226 27.9 21.5 32.3





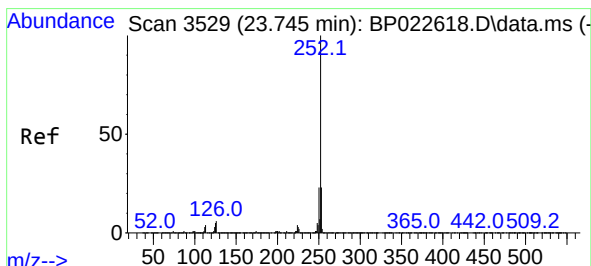
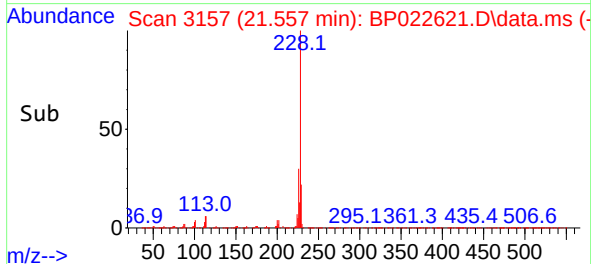
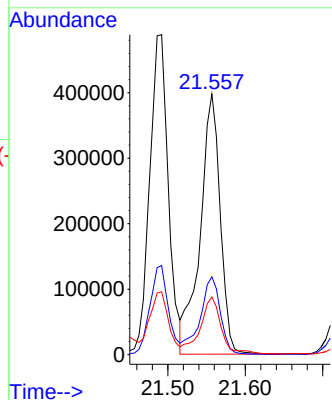
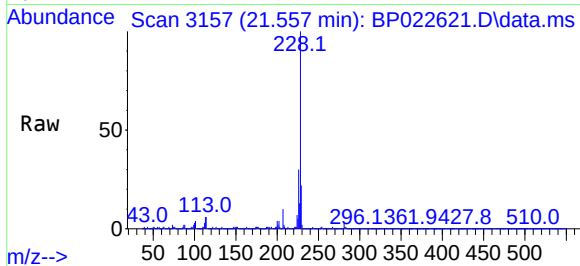
#87
Chrysene
Concen: 14.353 ng/u1
RT: 21.557 min Scan# 3157
Delta R.T. 0.012 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Instrument :
BNA_P
ClientSampleId :
A4F47

Tgt Ion:228 Resp: 714429
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 22.2 15.5 23.3

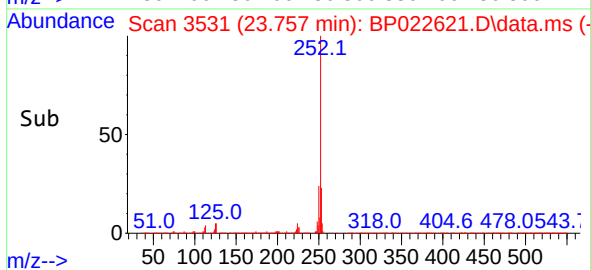
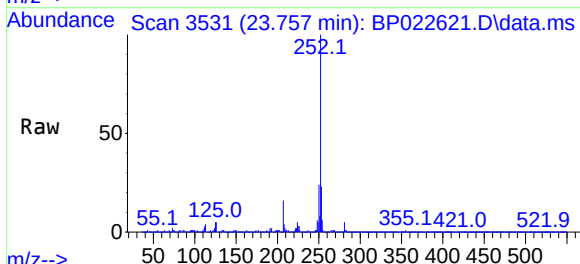
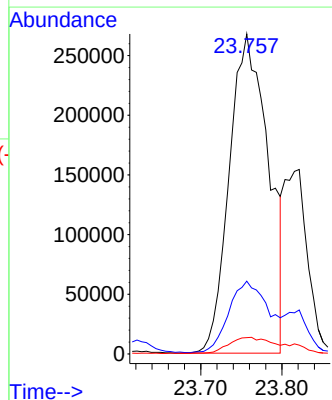
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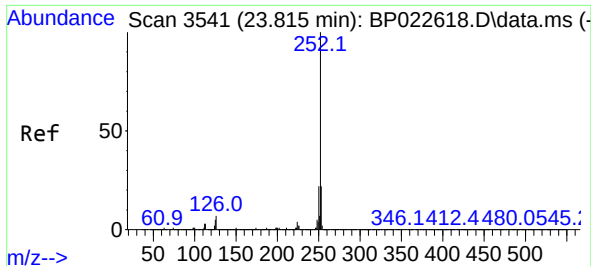
Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024



#90
Benzo(b)fluoranthene
Concen: 15.439 ng/u1
RT: 23.757 min Scan# 3531
Delta R.T. 0.036 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Tgt Ion:252 Resp: 895533
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 5.1 5.0 7.4





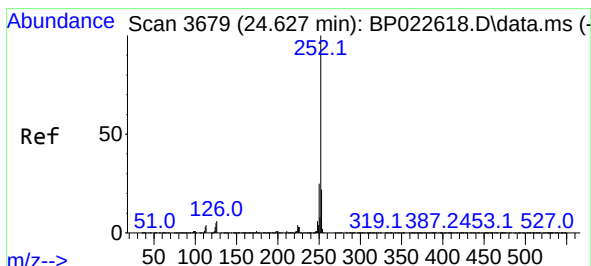
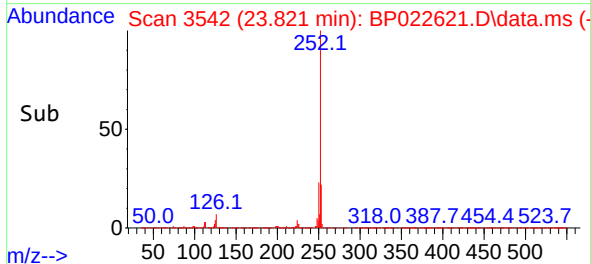
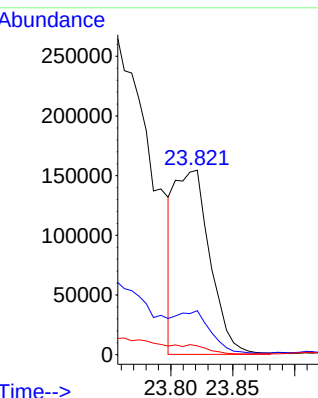
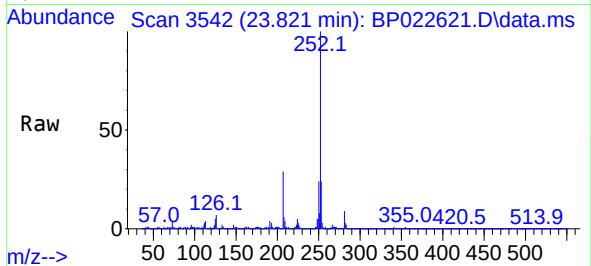
#91
Benzo(k)fluoranthene
Concen: 5.387 ng/ul m
RT: 23.821 min Scan# 3541
Delta R.T. 0.030 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Instrument :
BNA_P
ClientSampleId :
A4F47

Tgt Ion:252 Resp: 305917
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 4.8 4.6 6.8

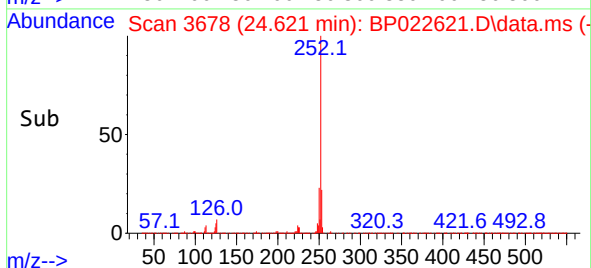
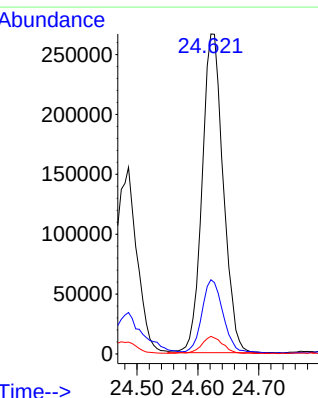
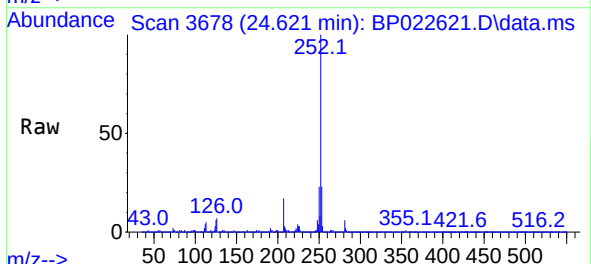
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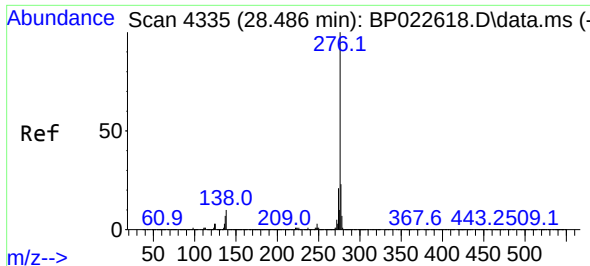
Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024



#93
Benzo(a)pyrene
Concen: 12.031 ng/ul
RT: 24.621 min Scan# 3678
Delta R.T. 0.018 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

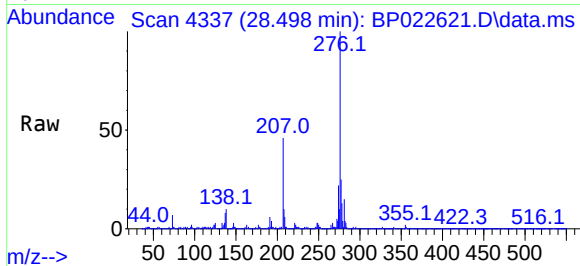
Tgt Ion:252 Resp: 642276
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 5.5 4.9 7.3





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 5.886 ng/ul m
 RT: 28.498 min Scan# 4335
 Delta R.T. 0.065 min
 Lab File: BP022621.D
 Acq: 25 Oct 2024 22:01

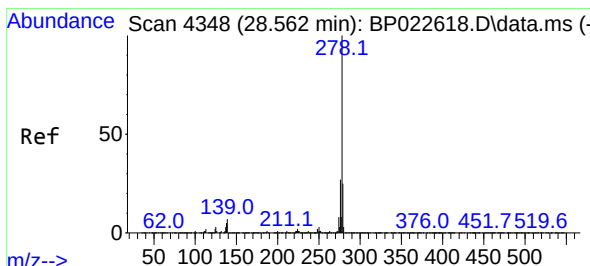
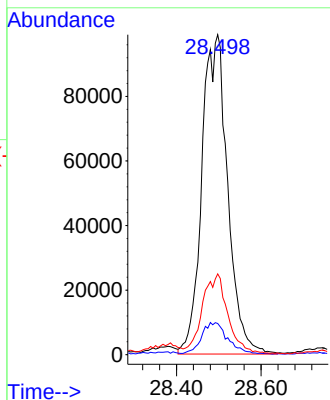
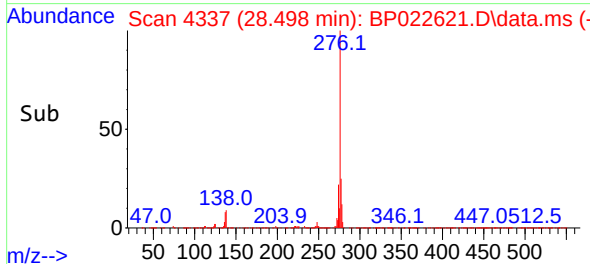
Instrument :
 BNA_P
 ClientSampleId :
 A4F47



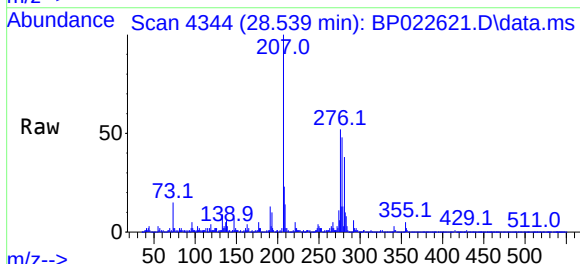
Tgt Ion: 276 Resp: 41933
 Ion Ratio Lower Upper
 276 100
 138 9.7 9.1 13.7
 277 25.3 18.6 27.8

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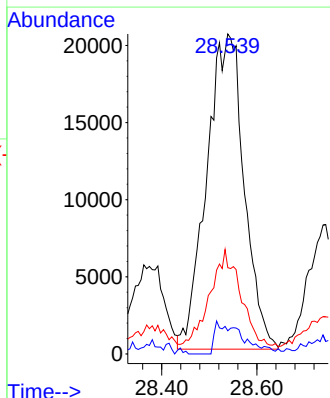
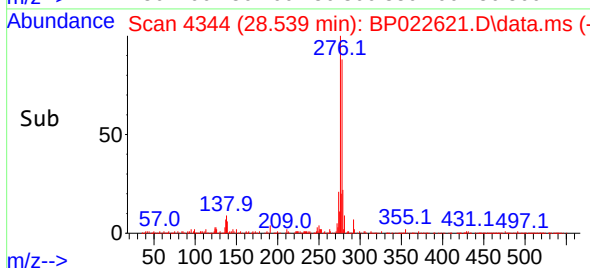
Reviewed By :Yogesh Patel 10/26/2024
 Supervised By :mohammad ahmed 10/29/2024

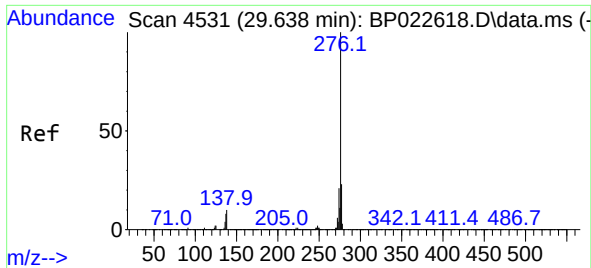


#95
 Dibenzo(a,h)anthracene
 Concen: 1.944 ng/ul m
 RT: 28.539 min Scan# 4344
 Delta R.T. 0.024 min
 Lab File: BP022621.D
 Acq: 25 Oct 2024 22:01



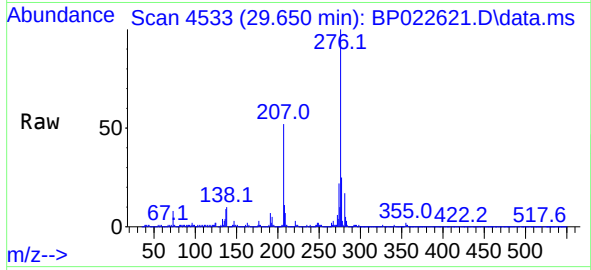
Tgt Ion: 278 Resp: 112166
 Ion Ratio Lower Upper
 278 100
 139 7.3 7.3 10.9#
 279 27.0 19.0 28.4





#96
Benzo(g,h,i)perylene
Concen: 6.792 ng/ul m
RT: 29.650 min Scan# 4533
Delta R.T. 0.077 min
Lab File: BP022621.D
Acq: 25 Oct 2024 22:01

Instrument :
BNA_P
ClientSampleId :
A4F47



Tgt Ion:276 Resp: 376338
Ion Ratio Lower Upper
276 100
138 10.0 8.5 12.7
277 24.7 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/26/2024
Supervised By :mohammad ahmed 10/29/2024

