

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018923.D
 Acq On : 19 Dec 2023 00:24
 Operator : MA/JU
 Sample : 05794-14
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/20/2023

Quant Time: Dec 19 02:16:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	242761	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	889113	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	504754	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	1003585	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1022072	20.000	ng/u1	0.00
88) Perylene-d12	23.686	264	1306527	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	26263	3.687	ng/uL	0.00
4) Pyridine-d5	3.687	84	37744	1.978	ng/u1	0.01
7) Phenol-d5	7.010	99	454576	18.659	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.169	67	266494	18.456	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	370776	19.505	ng/u1	0.00
15) 4-Methylphenol-d8	8.552	113	328384	16.656	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	175661	22.198	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	193021	23.527	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	358889	21.393	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	286453	13.065	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	983130	21.823	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	1156869	23.321	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	88079	11.911	ng/u1	0.01
60) Fluorene-d10	15.457	176	850233	22.484	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	53339	8.864	ng/u1	0.00
73) Anthracene-d10	17.316	188	1248307	23.660	ng/u1	0.00
81) Pyrene-d10	19.557	212	1525917	19.179	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.533	264	1758330	23.081	ng/u1	0.02
Target Compounds						
						Qvalue
8) Phenol	7.040	94	33350	1.396	ng/u1	97
16) Acetophenone	8.657	105	110726	3.768	ng/u1	98
30) Naphthalene	10.675	128	572329	10.611	ng/u1	100
36) 2-Methylnaphthalene	12.287	142	139621	3.654	ng/u1	100
37) 1-Methylnaphthalene	12.504	142	107347	2.782	ng/u1	98
43) 1,1'-Biphenyl	13.298	154	49775	1.140	ng/u1	97
50) Acenaphthylene	14.187	152	270801	4.855	ng/u1	99
52) Acenaphthene	14.528	153	329511	8.936	ng/u1	99
56) Dibenzofuran	14.863	168	358005	6.985	ng/u1	96
61) Fluorene	15.510	166	360303	8.884	ng/u1	99
72) Phenanthrene	17.263	178	5417512	89.380	ng/u1	99
74) Anthracene	17.351	178	1178060	19.390	ng/u1	99
77) Carbazole	17.622	167	477973	9.871	ng/u1	99
80) Fluoranthene	19.233	202	7530704m	80.077	ng/u1	
82) Pyrene	19.586	202	7042308	74.229	ng/u1#	93
85) Benzo(a)anthracene	21.298	228	3538165	42.649	ng/u1	97
87) Chrysene	21.351	228	3373949	44.163	ng/u1	97
90) Benzo(b)fluoranthene	22.962	252	4432353	46.012	ng/u1	97
91) Benzo(k)fluoranthene	23.004	252	1565443m	16.795	ng/u1	
93) Benzo(a)pyrene	23.580	252	3366924	38.251	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.145	276	2345750	22.305	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.151	278	585354	6.691	ng/u1#	77
96) Benzo(g,h,i)perylene	26.903	276	935434	11.053	ng/u1	96

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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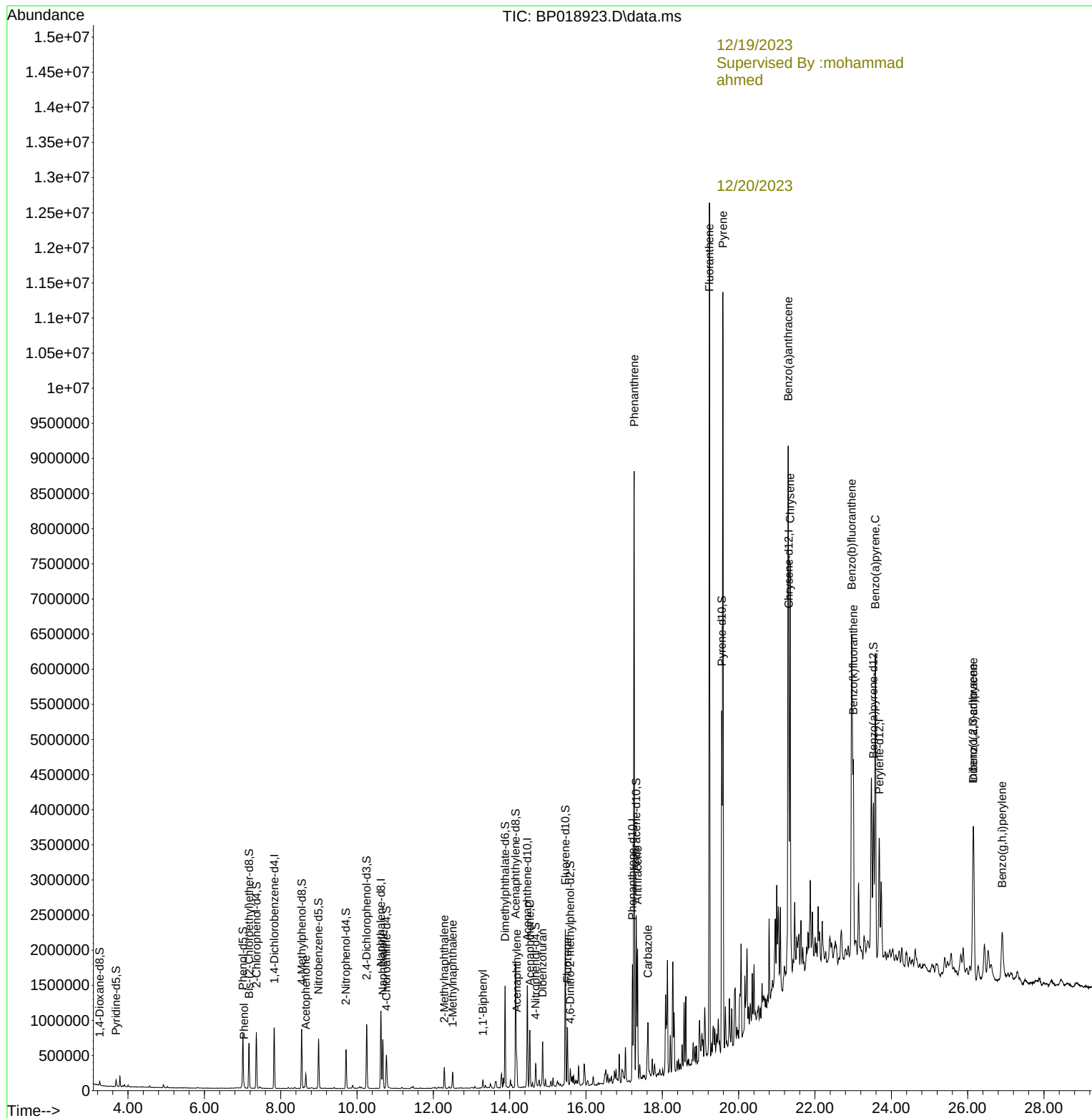
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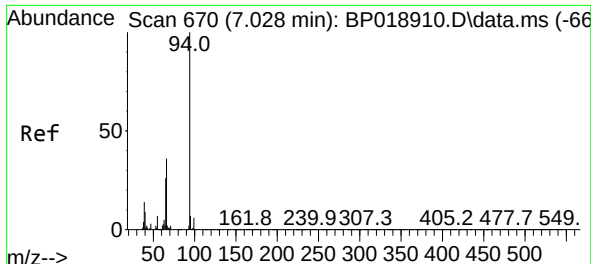
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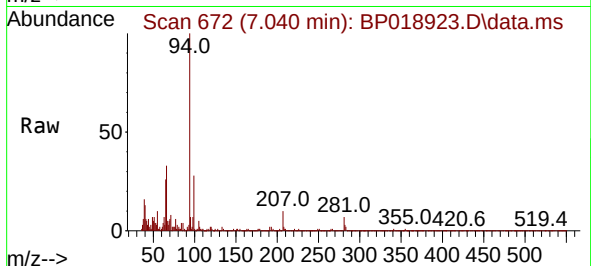
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#8
Phenol
Concen: 1.396 ng/ul
RT: 7.040 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP018923.D
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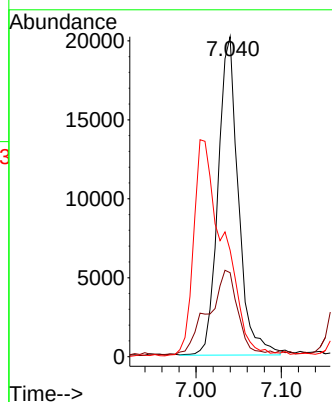
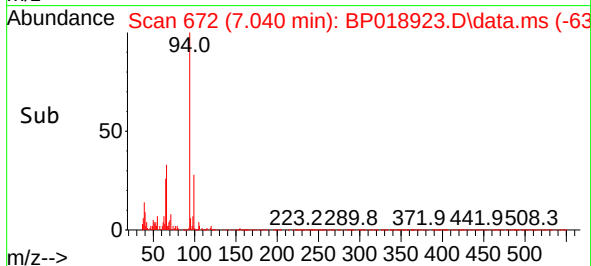
Instrument :
BNA_P
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Tgt Ion: 94 Resp: 33350
Ion Ratio Lower Upper
94 100
65 26.2 21.0 31.6
66 33.2 28.6 43.0

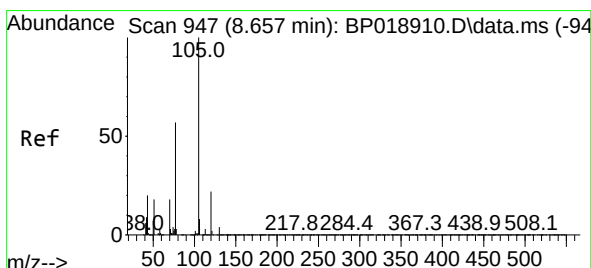
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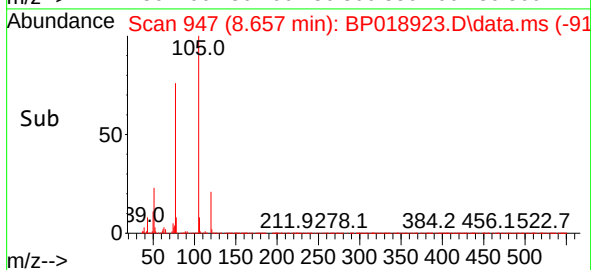
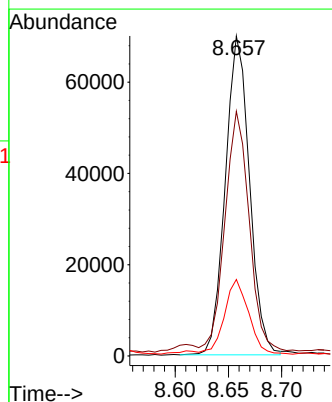
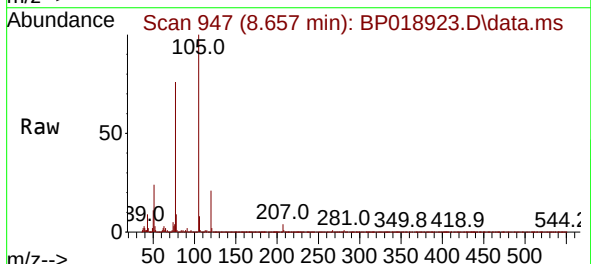
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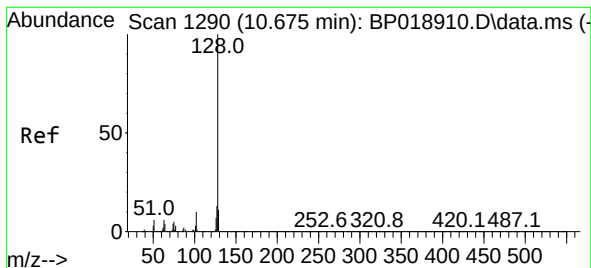
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#16
Acetophenone
Concen: 3.768 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Tgt Ion:105 Resp: 110726
Ion Ratio Lower Upper
105 100
77 76.5 59.4 89.0
51 23.9 19.4 29.0





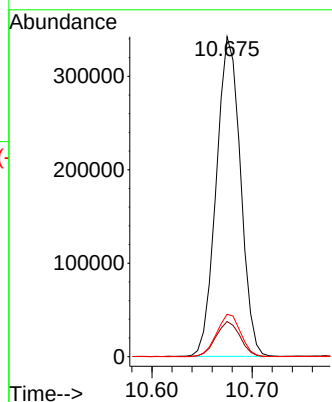
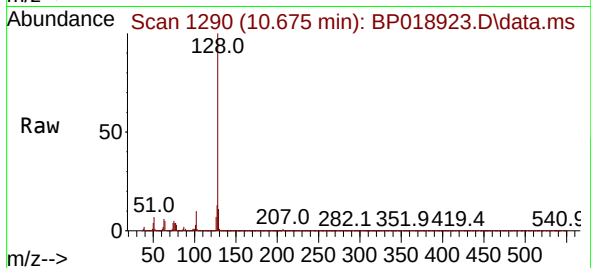
#30
Naphthalene
Concen: 10.611 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Instrument :
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ClientSampleId :
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Tgt Ion:128 Resp: 572329
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.3 10.5 15.7

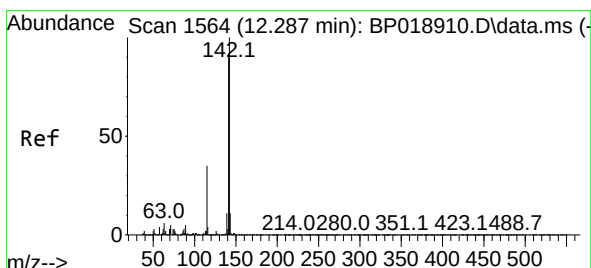
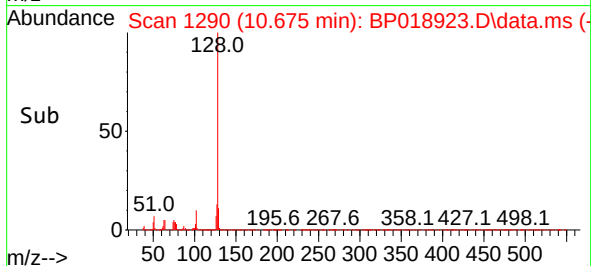
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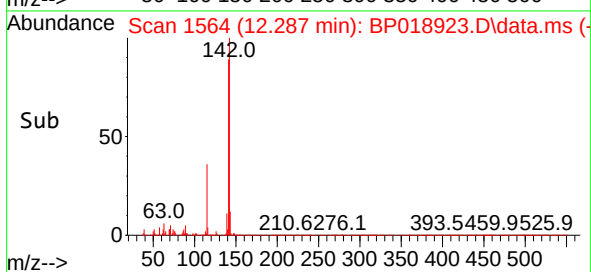
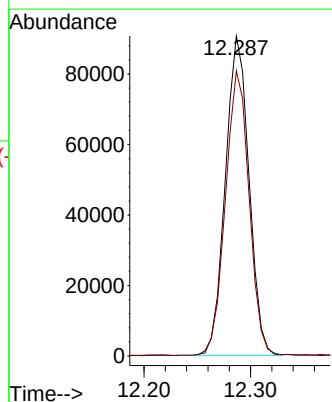
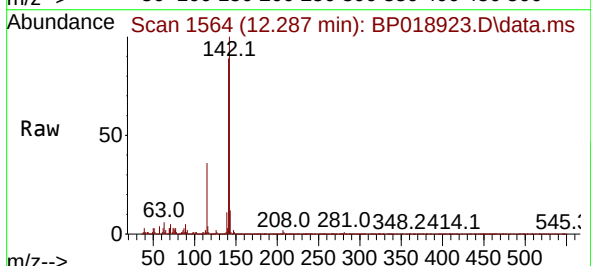
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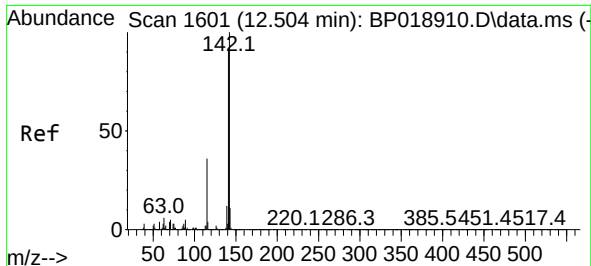
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#36
2-Methylnaphthalene
Concen: 3.654 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

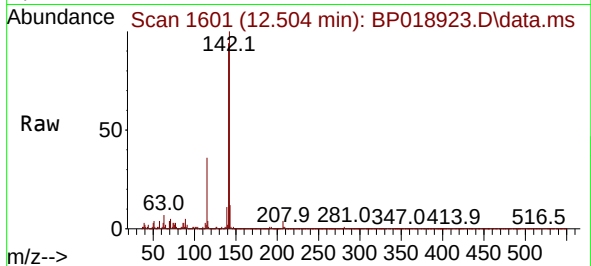
Tgt Ion:142 Resp: 139621
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.0





#37
1-Methylnaphthalene
Concen: 2.782 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

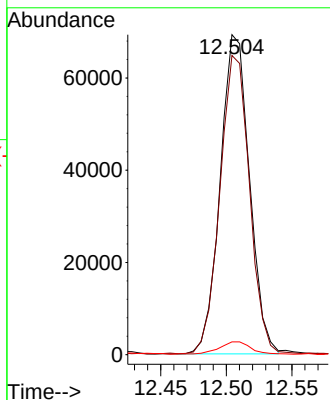
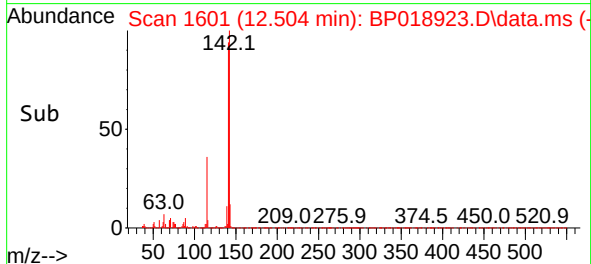
Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 10734
Ion Ratio Lower Upper
142 100
141 93.5 73.5 110.3
116 4.0 2.8 4.2

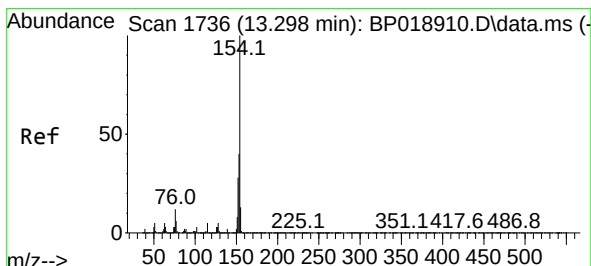
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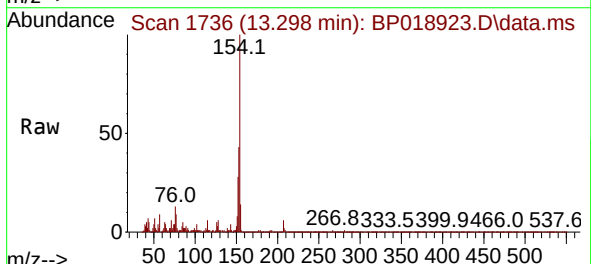


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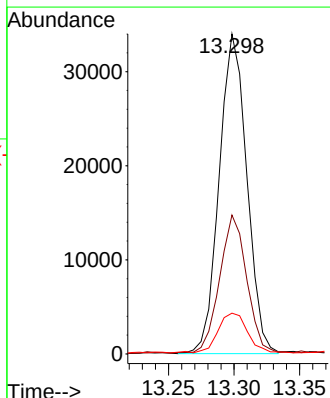
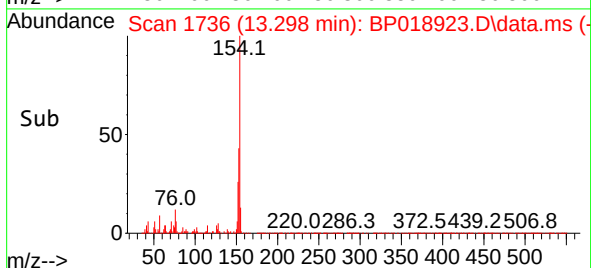
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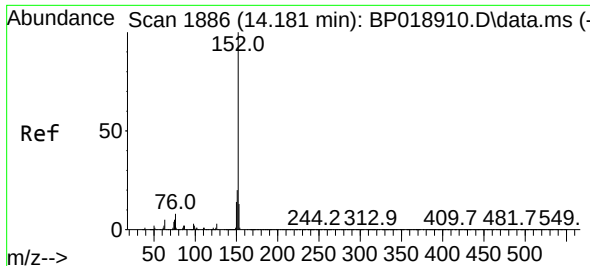


#43
1,1'-Biphenyl
Concen: 1.140 ng/ul
RT: 13.298 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24



Tgt Ion:154 Resp: 49775
Ion Ratio Lower Upper
154 100
153 43.4 32.8 49.2
76 12.8 10.7 16.1





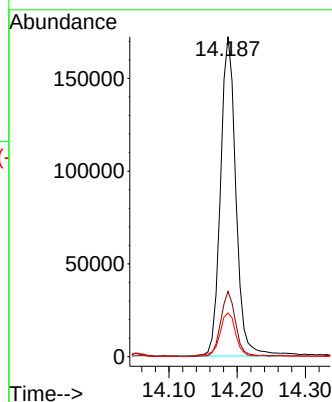
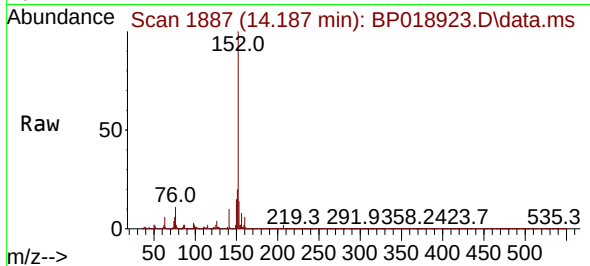
#50
Acenaphthylene
Concen: 4.855 ng/ul
RT: 14.187 min Scan# 1886
Delta R.T. -0.000 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Instrument :
BNA_P
ClientSampleId :
BH3Q9

Tgt Ion:152 Resp: 27080
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.7 10.6 16.0

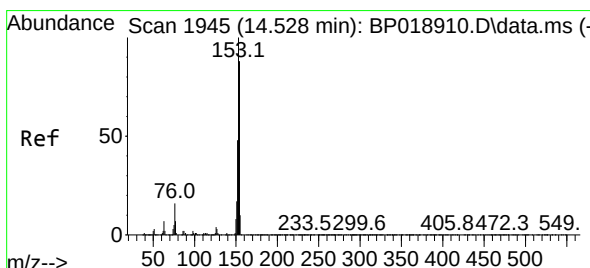
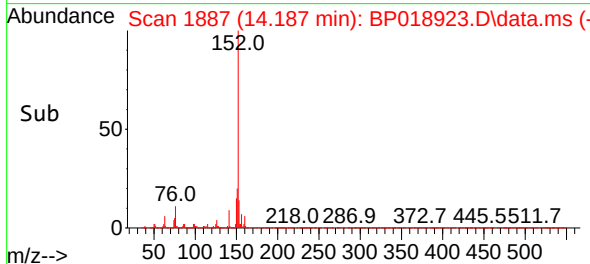
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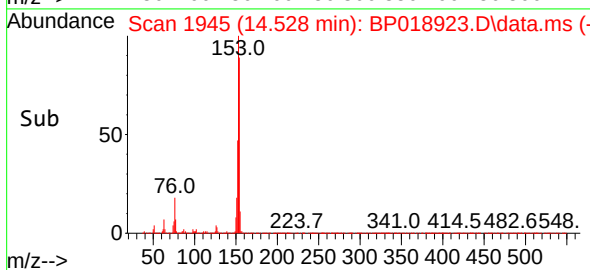
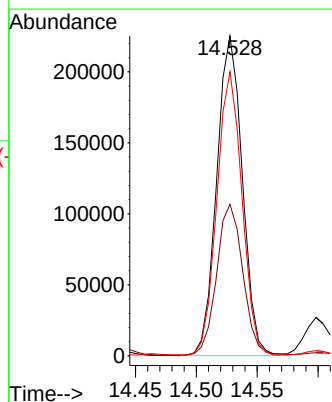
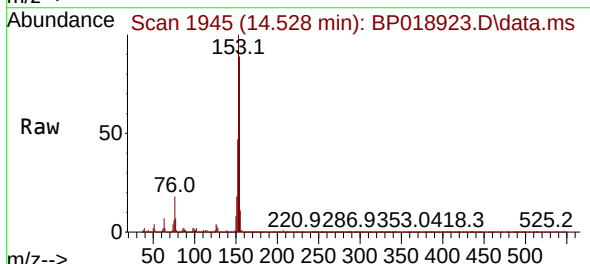
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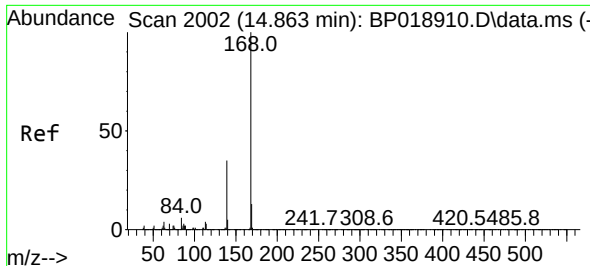
12/20/2023



#52
Acenaphthene
Concen: 8.936 ng/ul
RT: 14.528 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Tgt Ion:153 Resp: 329511
Ion Ratio Lower Upper
153 100
152 47.4 38.1 57.1
154 88.9 71.7 107.5





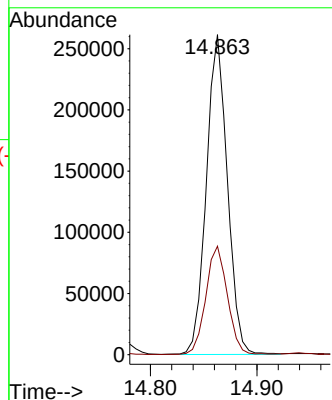
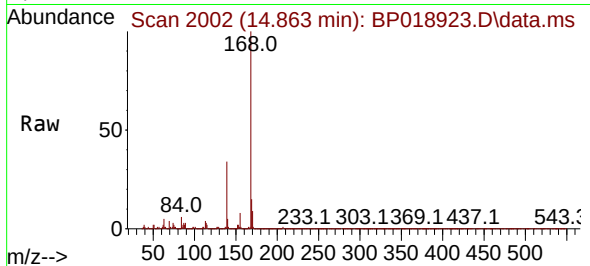
#56
Dibenzenofuran
Concen: 6.985 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

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Tgt Ion:168 Resp: 358000
Ion Ratio Lower Upper
168 100
139 33.9 29.1 43.7

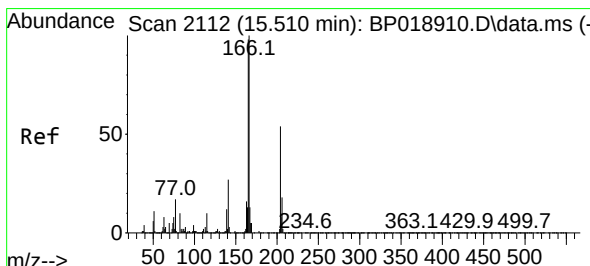
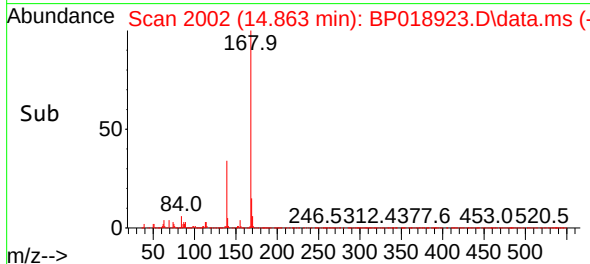
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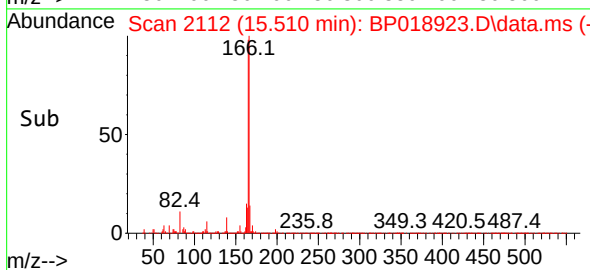
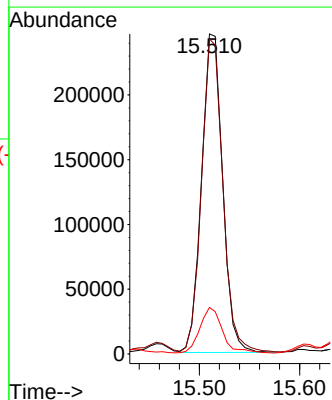
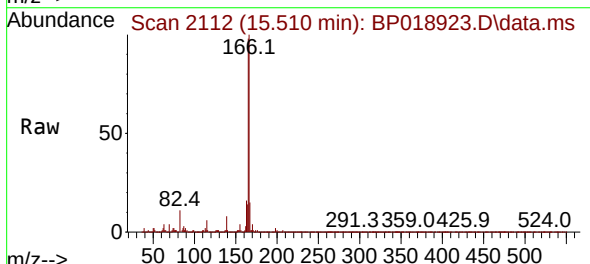
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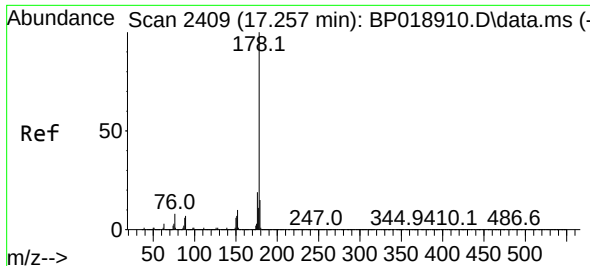
12/20/2023



#61
Fluorene
Concen: 8.884 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Tgt Ion:166 Resp: 360303
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 14.6 10.8 16.2





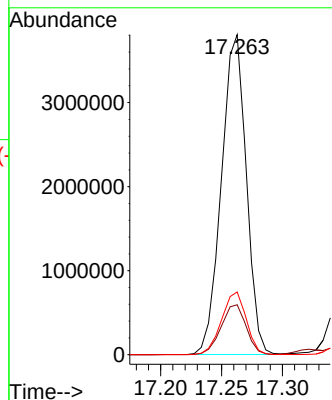
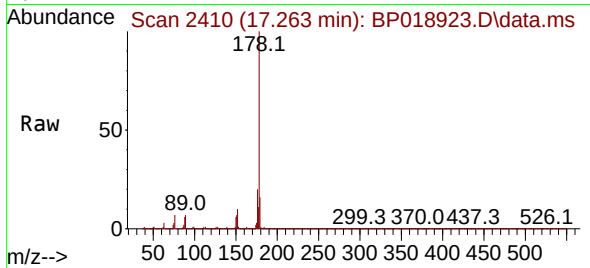
#72
Phenanthrene
Concen: 89.380 ng/u1
RT: 17.263 min Scan# 2410
Delta R.T. 0.006 min
Lab File: BP018923.D
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Instrument :
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Tgt Ion:178 Resp: 541751
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.6 15.4 23.2

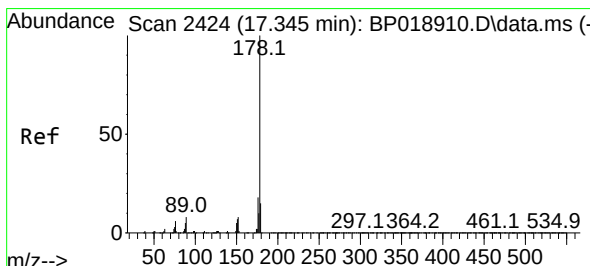
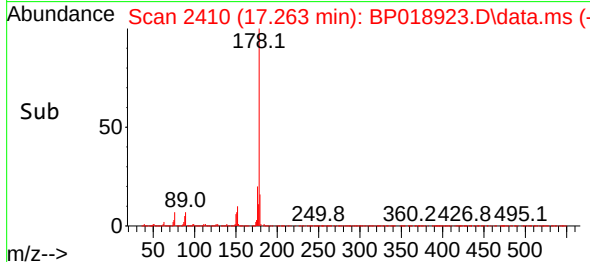
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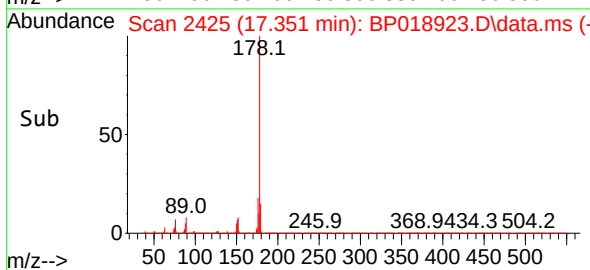
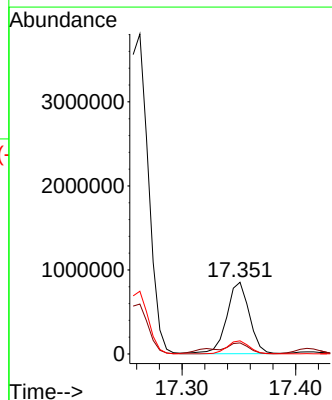
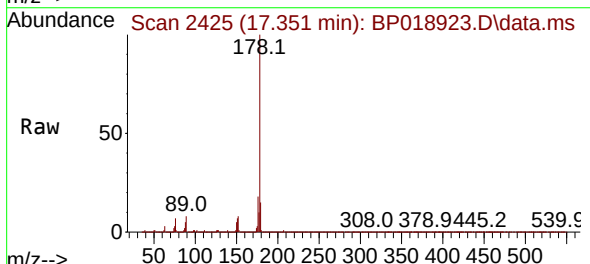
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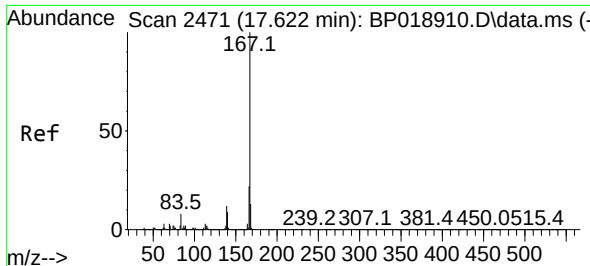
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#74
Anthracene
Concen: 19.390 ng/u1
RT: 17.351 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

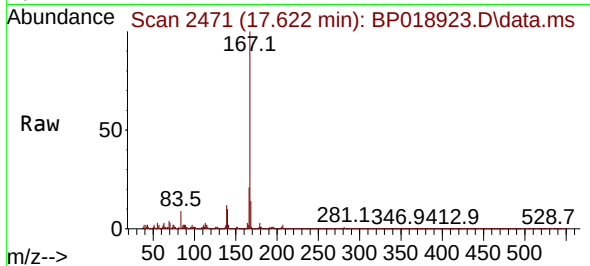
Tgt Ion:178 Resp: 1178060
Ion Ratio Lower Upper
178 100
179 15.5 12.5 18.7
176 18.4 15.0 22.6





#77
 Carbazole
 Concen: 9.871 ng/ul
 RT: 17.622 min Scan# 2471
 Delta R.T. -0.000 min
 Lab File: BP018923.D
 Acq: 19 Dec 2023 00:24

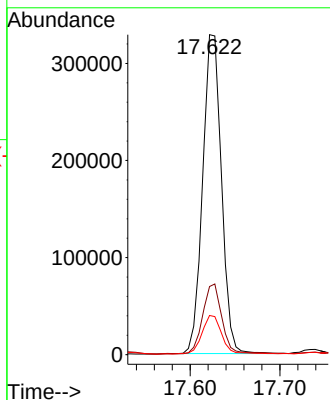
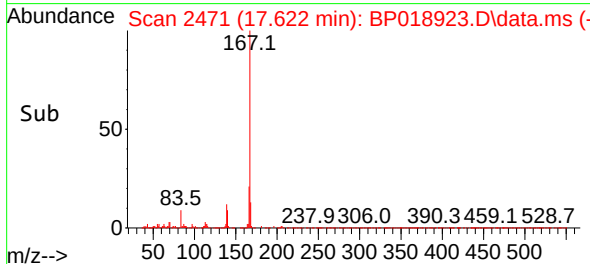
Instrument :
 BNA_P
 ClientSampleId :
 BH3Q9



Tgt Ion:167 Resp: 47797
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 12.3 10.2 15.4

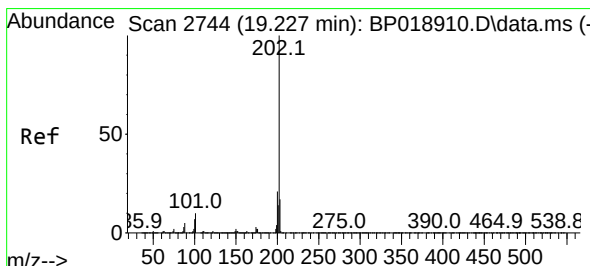
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 Supervised By :mohammad ahmed 12/20/2023

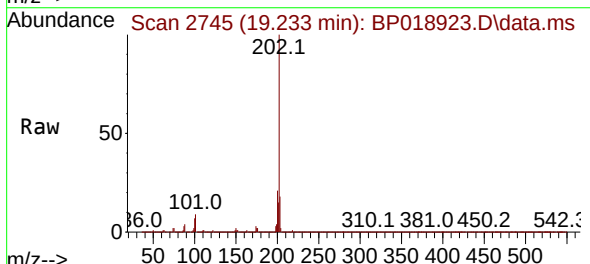


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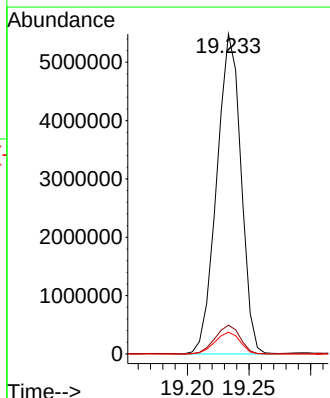
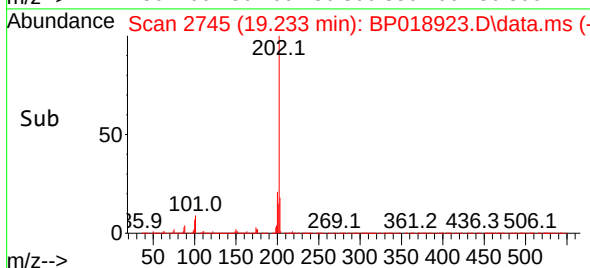
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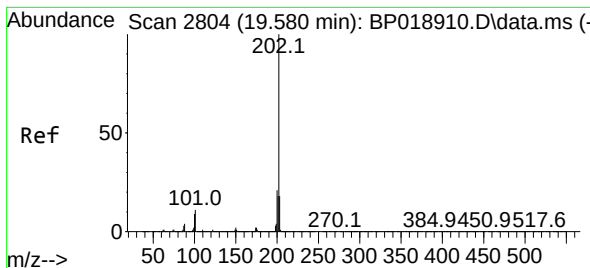


#80
 Fluoranthene
 Concen: 80.077 ng/ul m
 RT: 19.233 min Scan# 2745
 Delta R.T. 0.006 min
 Lab File: BP018923.D
 Acq: 19 Dec 2023 00:24



Tgt Ion:202 Resp: 7530704
 Ion Ratio Lower Upper
 202 100
 101 9.0 9.1 13.7#
 100 6.8 7.1 10.7#





#82

Pyrene

Concen: 74.229 ng/ul

RT: 19.586 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP018923.D

Acq: 19 Dec 2023 00:24

Instrument :

BNA_P

ClientSampleId :

BH3Q9

Tgt Ion:202 Resp: 7042308

Ion Ratio Lower Upper

202 100

101 10.7 11.0 16.4

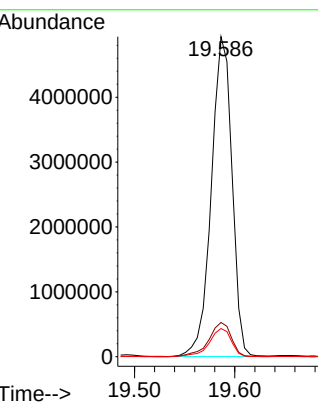
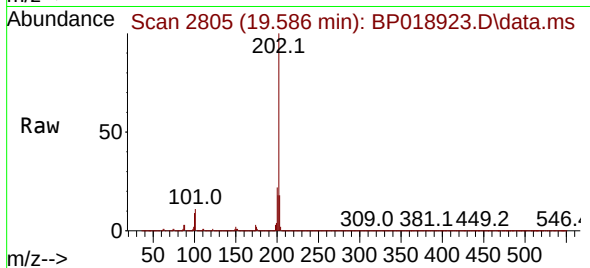
100 8.8 9.1 13.7

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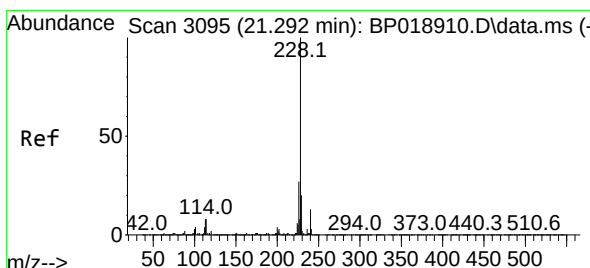
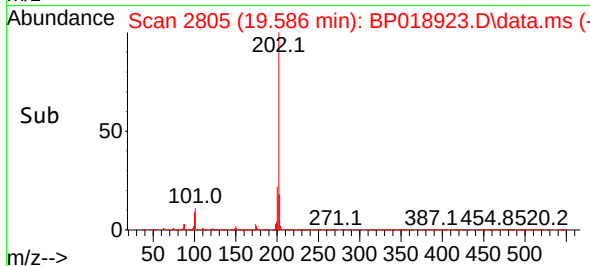
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ahmed

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#85

Benzo(a)anthracene

Concen: 42.649 ng/ul

RT: 21.298 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BP018923.D

Acq: 19 Dec 2023 00:24

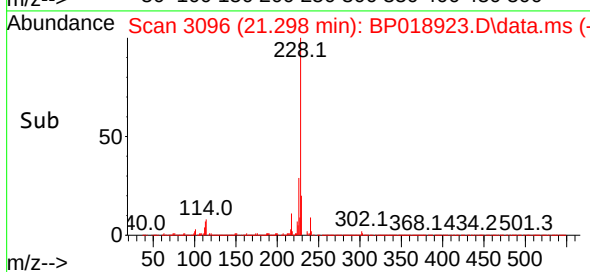
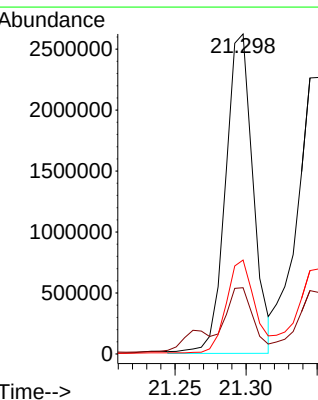
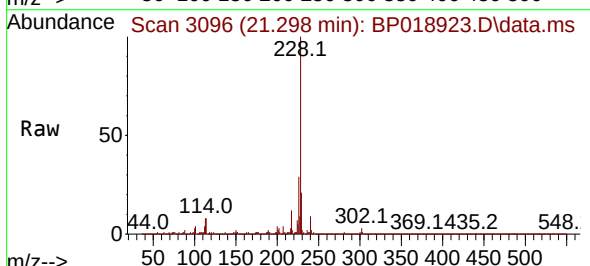
Tgt Ion:228 Resp: 3538165

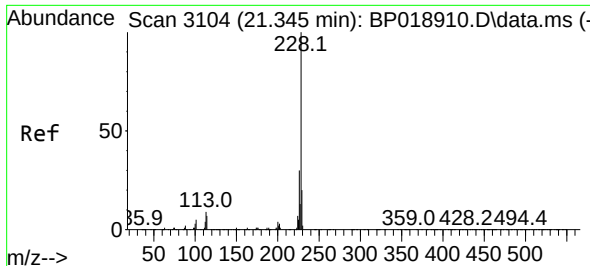
Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

226 29.4 21.9 32.9





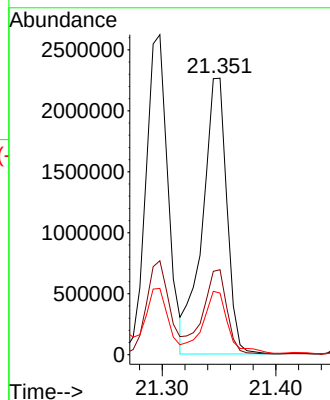
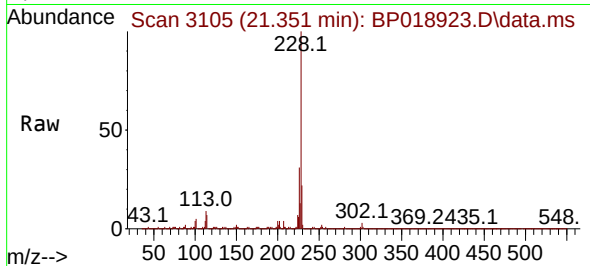
#87
Chrysene
Concen: 44.163 ng/u1
RT: 21.351 min Scan# 3105
Delta R.T. 0.012 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Instrument :
BNA_P
ClientSampleId :
BH3Q9

Tgt Ion:228 Resp: 3373949
Ion Ratio Lower Upper
228 100
226 30.7 23.9 35.9
229 22.3 15.6 23.4

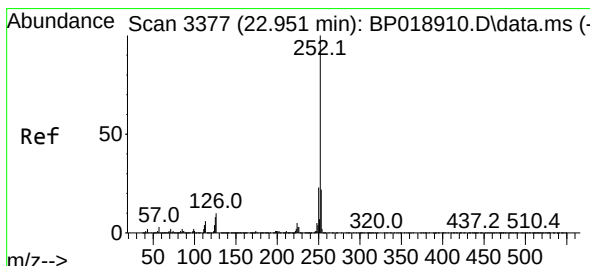
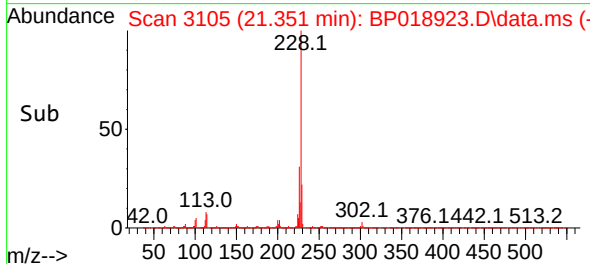
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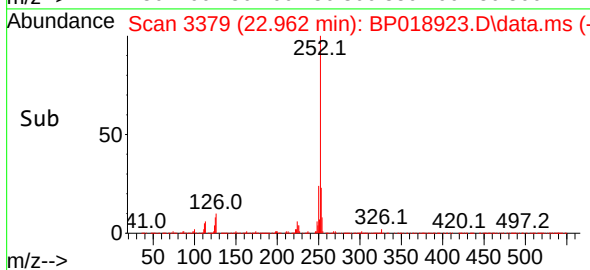
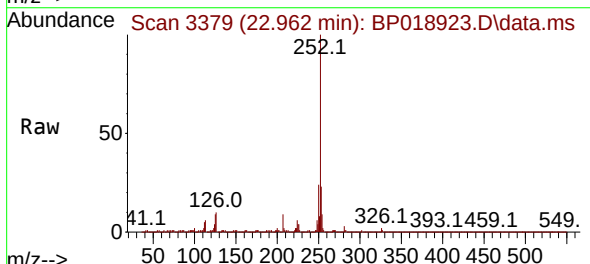
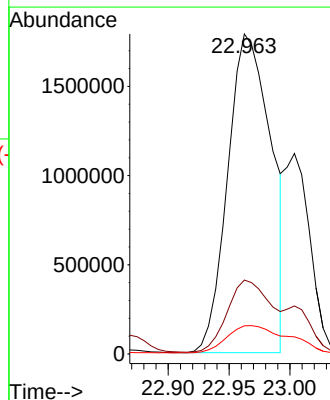
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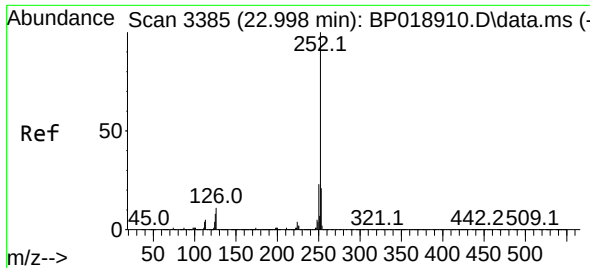
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#90
Benzo(b)fluoranthene
Concen: 46.012 ng/u1
RT: 22.962 min Scan# 3379
Delta R.T. 0.018 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Tgt Ion:252 Resp: 4432353
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 8.8 7.8 11.6





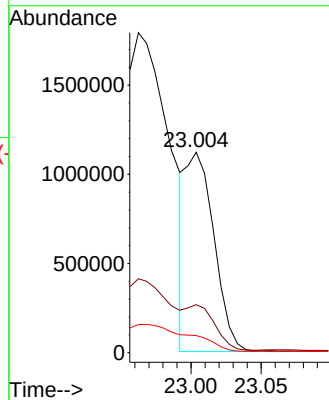
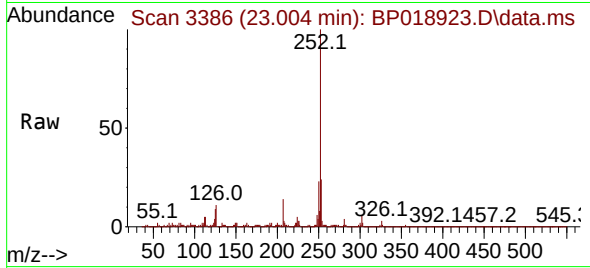
#91
Benzo(k)fluoranthene
Concen: 16.795 ng/ul m
RT: 23.004 min Scan# 3385
Delta R.T. 0.012 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Instrument :
BNA_P
ClientSampleId :
BH3Q9

Tgt Ion:252 Resp: 156544
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 8.6 8.0 12.0

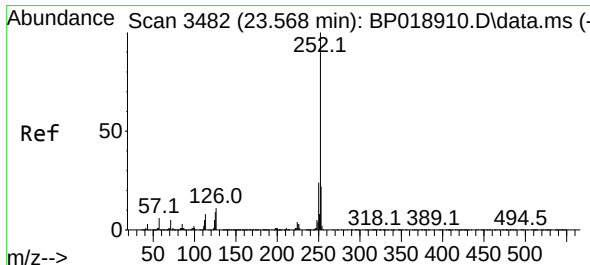
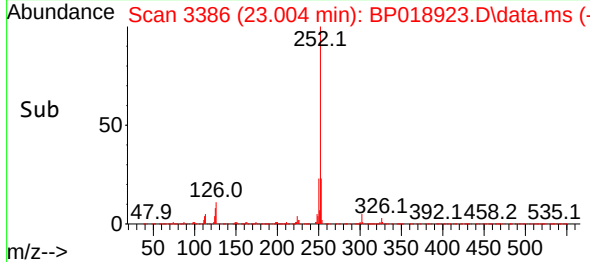
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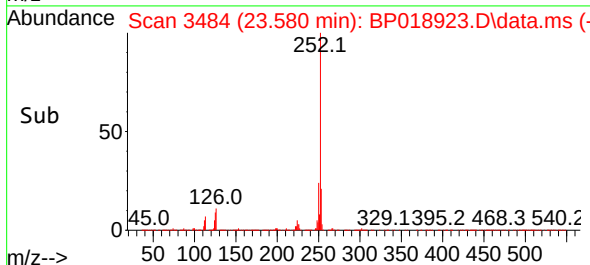
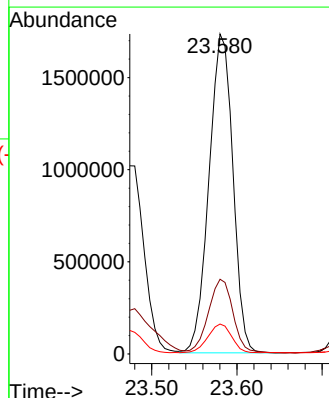
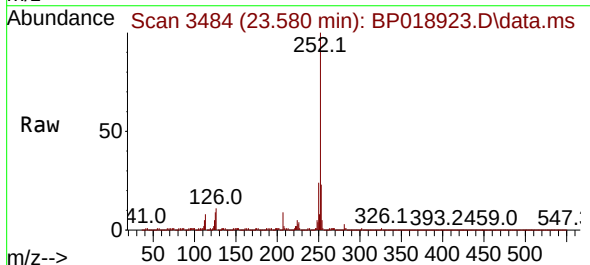
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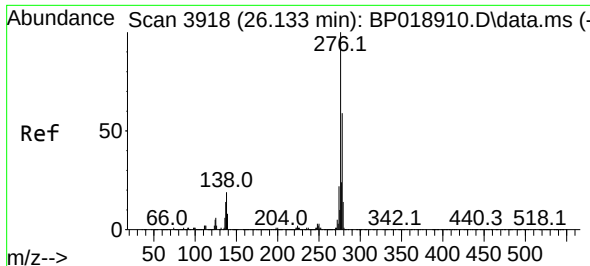
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#93
Benzo(a)pyrene
Concen: 38.251 ng/ul
RT: 23.580 min Scan# 3484
Delta R.T. 0.018 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Tgt Ion:252 Resp: 3366924
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 9.4 9.2 13.8





#94
Indeno(1,2,3-cd)pyrene
Concen: 22.305 ng/ul
RT: 26.145 min Scan# 3918
Delta R.T. 0.023 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

Instrument :

BNA_P

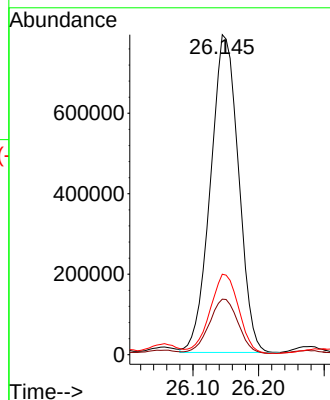
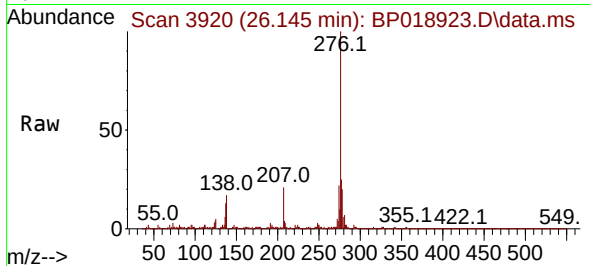
ClientSampleId :

BH3Q9

Tgt Ion:276 Resp: 2345750
Ion Ratio Lower Upper
276 100
138 17.4 19.4 29.2#
277 25.1 19.8 29.6

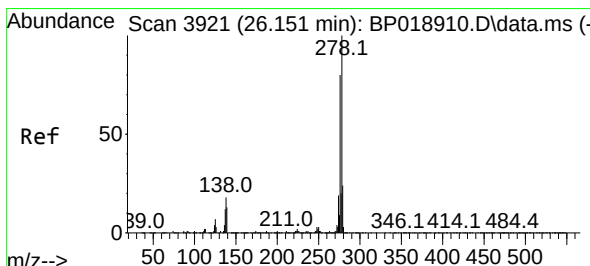
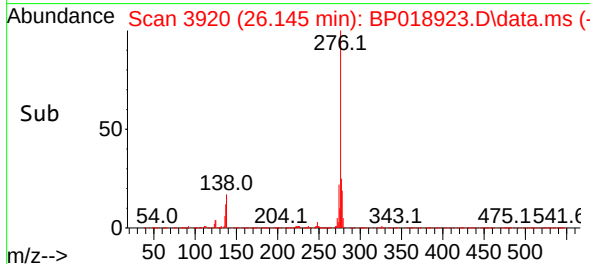
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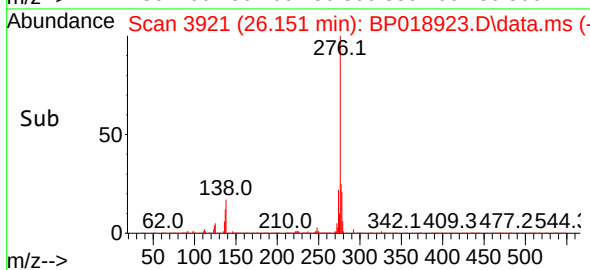
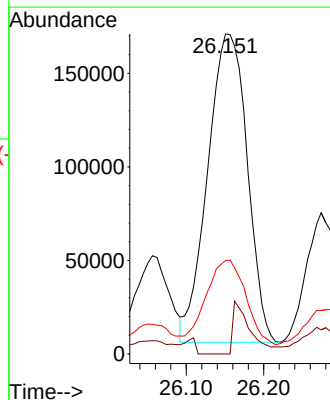
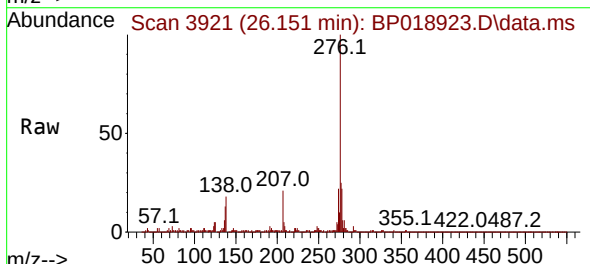
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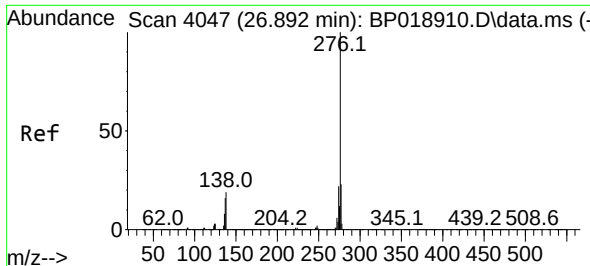
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#95
Dibenzo(a,h)anthracene
Concen: 6.691 ng/ul
RT: 26.151 min Scan# 3921
Delta R.T. 0.012 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

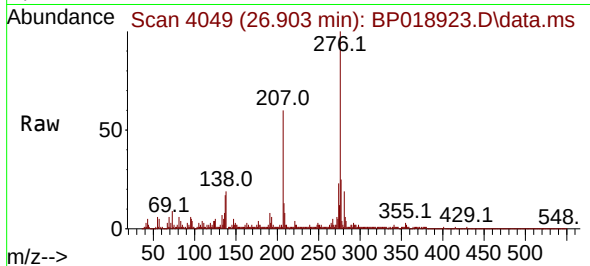
Tgt Ion:278 Resp: 585354
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.6#
279 29.2 18.7 28.1#





#96
Benzo(g,h,i)perylene
Concen: 11.053 ng/ul
RT: 26.903 min Scan# 4049
Delta R.T. 0.029 min
Lab File: BP018923.D
Acq: 19 Dec 2023 00:24

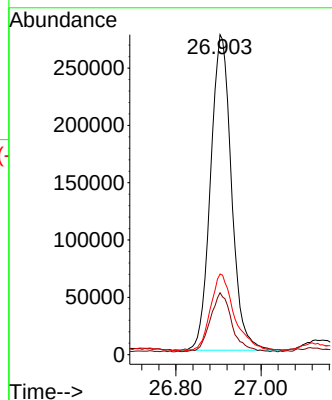
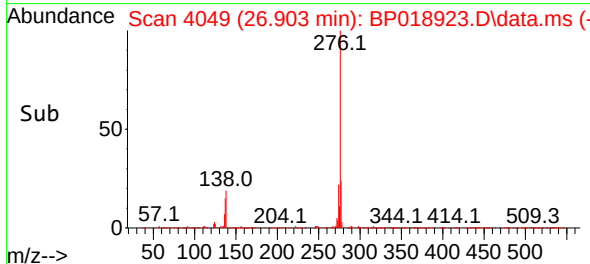
Instrument :
BNA_P
ClientSampleId :
BH3Q9



Tgt Ion:276 Resp: 935434
Ion Ratio Lower Upper
276 100
138 19.4 18.1 27.1
277 25.2 19.4 29.0

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