

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014946.D
 Acq On : 04 May 2023 11:39
 Operator : CG/JU
 Sample : 02447-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW915

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023

Quant Time: May 04 23:10:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 04 11:40:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	243174	20.000	ng/u1	0.00
20) Naphthalene-d8	10.999	136	877351	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	475650	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.563	188	1022538	20.000	ng/u1	0.00
79) Chrysene-d12	21.645	240	1032510	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1247732	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	18390	2.812	ng/uL	0.00
4) Pyridine-d5	3.911	84	47809m	2.674	ng/u1	0.01
7) Phenol-d5	7.305	99	303336	14.388	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	198885	15.262	ng/u1	0.00
11) 2-Chlorophenol-d4	7.687	132	253657	16.363	ng/u1	0.00
15) 4-Methylphenol-d8	8.869	113	214831	13.223	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	113427	18.178	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	120721	18.841	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	216967	17.246	ng/u1	0.00
31) 4-Chloroaniline-d4	11.134	131	140971	7.747	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	626324	18.605	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	767118	19.000	ng/u1	0.00
54) 4-Nitrophenol-d4	14.987	143	43539	7.434	ng/u1	0.00
60) Fluorene-d10	15.798	176	558552	19.285	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.910	200	55761	9.687	ng/u1	0.00
73) Anthracene-d10	17.663	188	883031	19.220	ng/u1	0.00
81) Pyrene-d10	19.881	212	1102490	15.832	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.074	264	1207777	19.867	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.334	94	711261	32.134	ng/u1	98
13) 2-Methylphenol	8.605	108	19783	1.199	ng/u1	94
16) Acetophenone	8.999	105	147330	5.546	ng/u1	96
30) Naphthalene	11.052	128	152332	3.159	ng/u1	98
36) 2-Methylnaphthalene	12.646	142	99428	3.334	ng/u1	96
37) 1-Methylnaphthalene	12.863	142	84557	2.751	ng/u1#	99
43) 1,1'-Biphenyl	13.646	154	44827	1.179	ng/u1	99
50) Acenaphthylene	14.534	152	148150	3.237	ng/u1	98
52) Acenaphthene	14.875	153	84880	2.680	ng/u1	99
56) Dibenzofuran	15.204	168	146738	3.433	ng/u1	99
61) Fluorene	15.857	166	186379	5.528	ng/u1	98
72) Phenanthrene	17.610	178	2762518	48.902	ng/u1	99
74) Anthracene	17.698	178	671735	11.944	ng/u1	99
77) Carbazole	17.957	167	146699	3.101	ng/u1	99
80) Fluoranthene	19.557	202	4578216	53.577	ng/u1	100
82) Pyrene	19.910	202	3772538	41.671	ng/u1	99
85) Benzo(a)anthracene	21.627	228	2218188	32.186	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.528	149	45406	1.328	ng/u1#	95
87) Chrysene	21.686	228	2048556	29.521	ng/u1	98
90) Benzo(b)fluoranthene	23.445	252	2685326	33.301	ng/u1	97
91) Benzo(k)fluoranthene	23.492	252	916143m	11.163	ng/u1	
93) Benzo(a)pyrene	24.133	252	1813963	25.650	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.998	276	1257167	14.573	ng/u1	96
95) Dibenzo(a,h)anthracene	27.010	278	348457	4.928	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.851	276	1089714	14.842	ng/ul	99

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

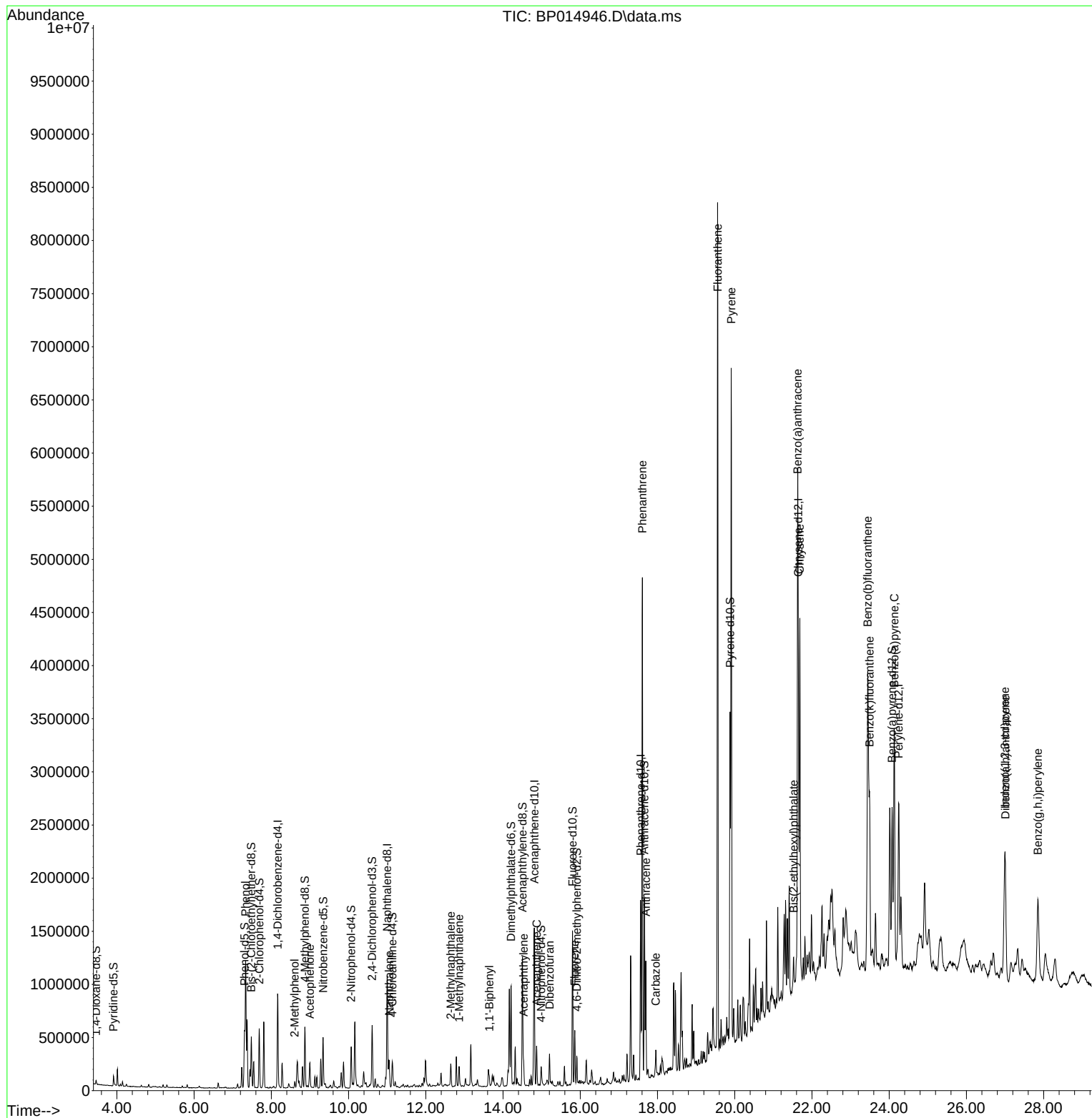
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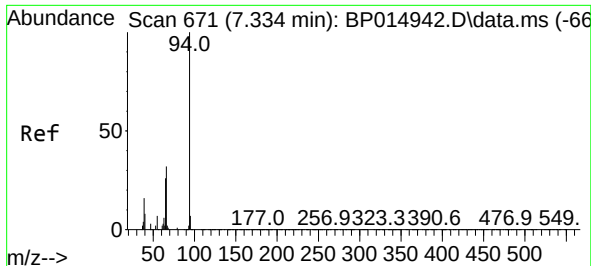
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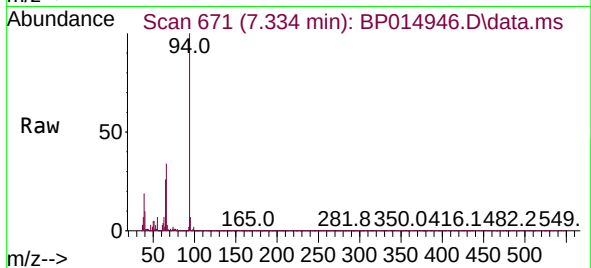
Quant Time: May 04 23:10:25 2023
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#8
Phenol
Concen: 32.134 ng/ul
RT: 7.334 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

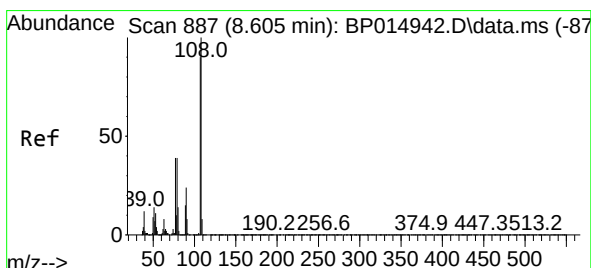
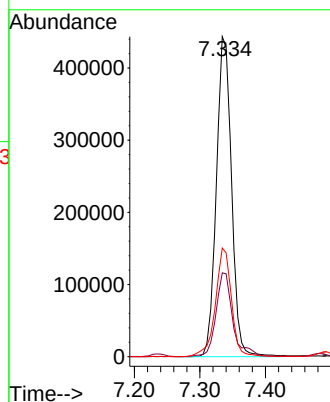
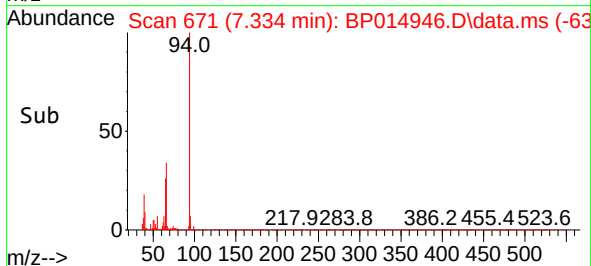
Instrument :
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Tgt Ion: 94 Resp: 71126
Ion Ratio Lower Upper
94 100
65 26.2 21.4 32.0
66 33.9 25.8 38.8

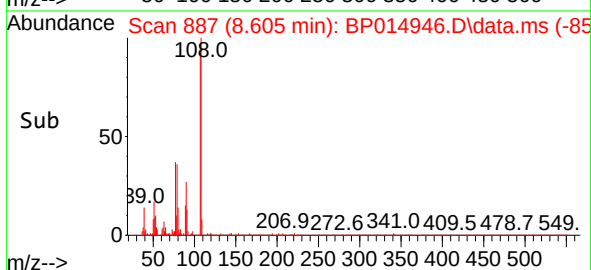
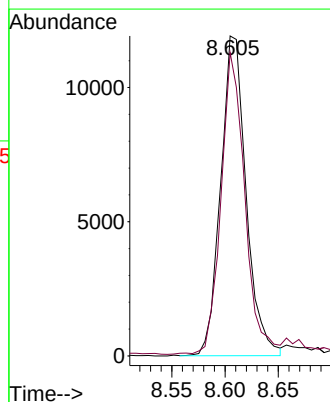
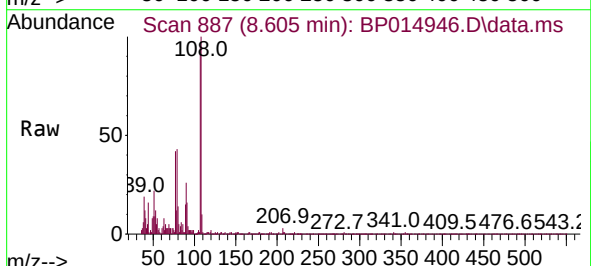
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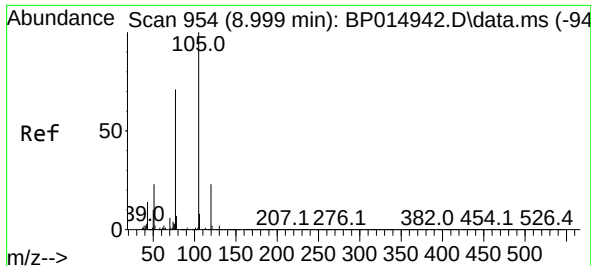
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#13
2-Methylphenol
Concen: 1.199 ng/ul
RT: 8.605 min Scan# 887
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:108 Resp: 19783
Ion Ratio Lower Upper
108 100
107 94.8 71.7 107.5





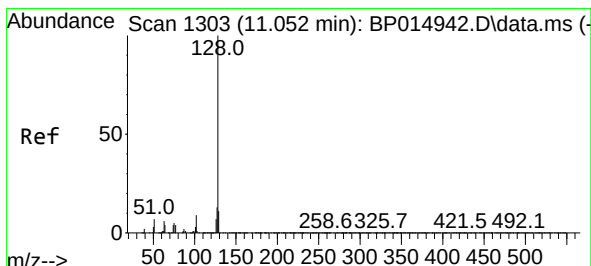
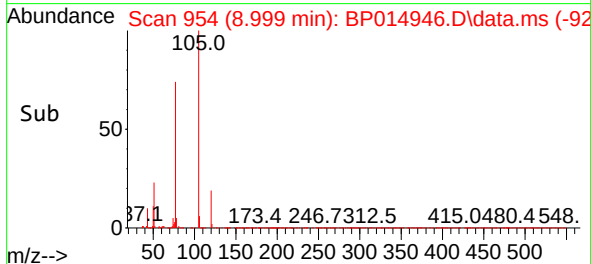
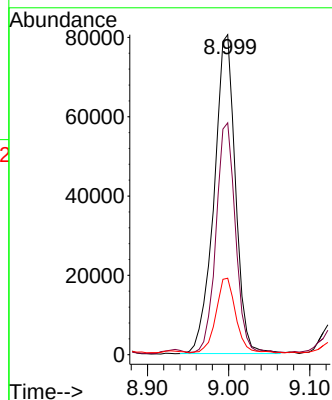
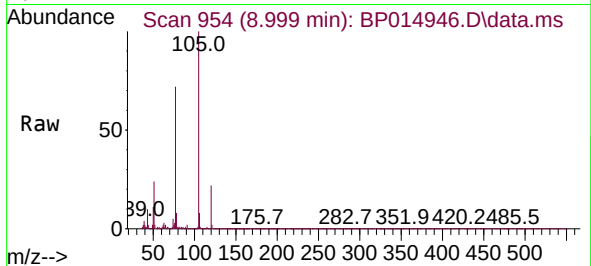
#16
Acetophenone
Concen: 5.546 ng/ul
RT: 8.999 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Instrument :
BNA_P
ClientSampleId :
EW915

Tgt Ion:105 Resp: 147330
Ion Ratio Lower Upper
105 100
77 72.5 61.2 91.8
51 23.9 19.4 29.2

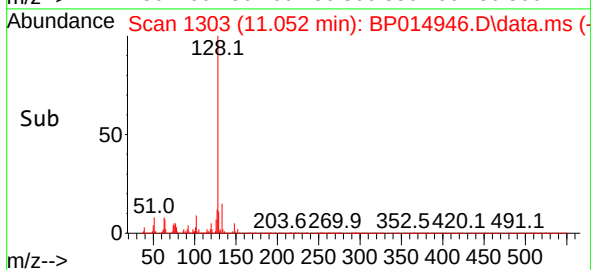
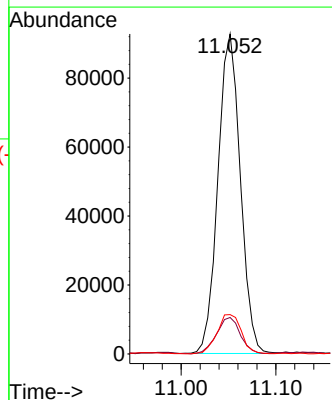
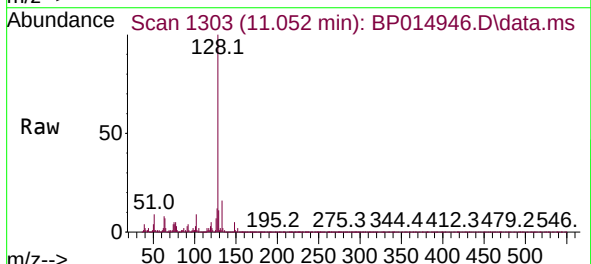
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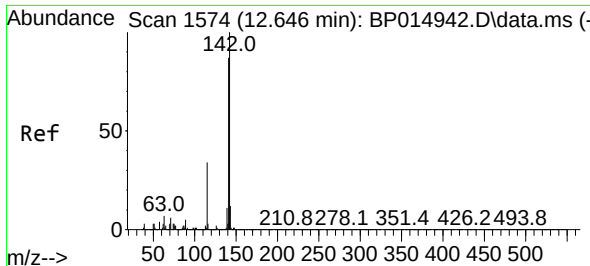
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#30
Naphthalene
Concen: 3.159 ng/ul
RT: 11.052 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:128 Resp: 152332
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 12.3 10.4 15.6





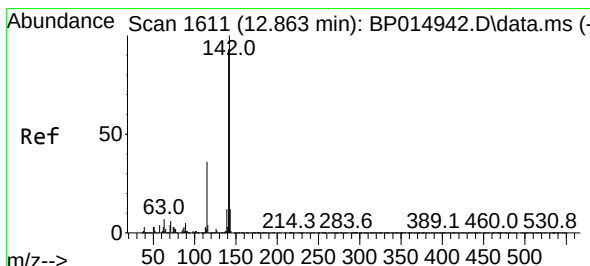
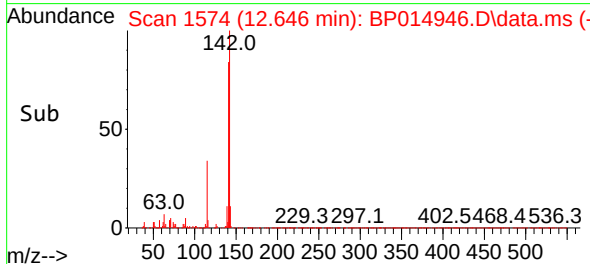
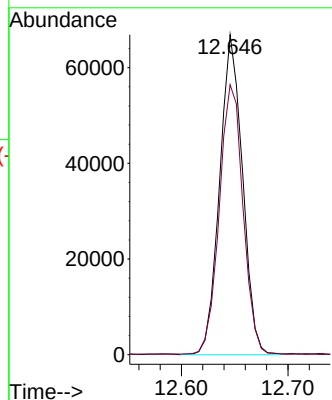
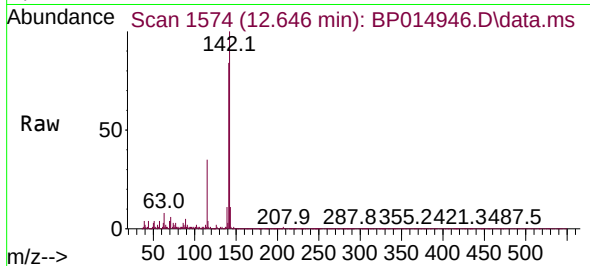
#36
2-Methylnaphthalene
Concen: 3.334 ng/ul
RT: 12.646 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Instrument :
BNA_P
ClientSampleId :
EW915

Tgt Ion:142 Resp: 99428
Ion Ratio Lower Upper
142 100
141 84.4 70.5 105.7

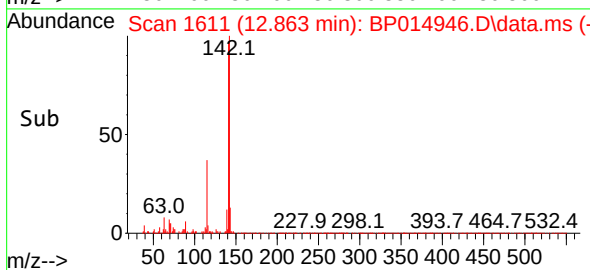
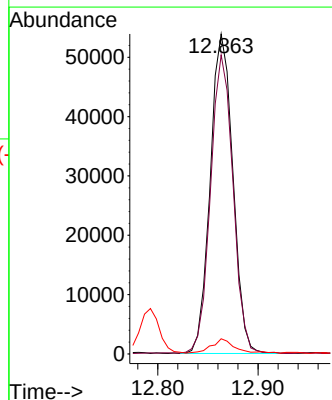
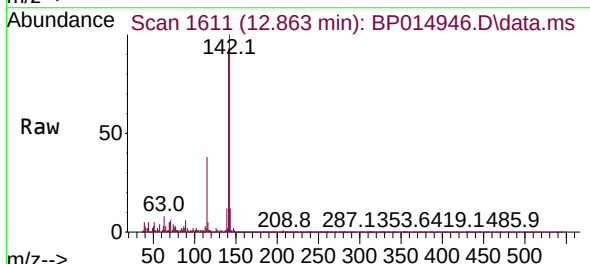
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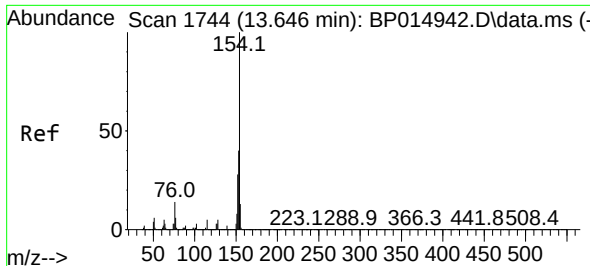
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#37
1-Methylnaphthalene
Concen: 2.751 ng/ul
RT: 12.863 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:142 Resp: 84557
Ion Ratio Lower Upper
142 100
141 93.4 74.4 111.6
116 4.8 2.9 4.3#





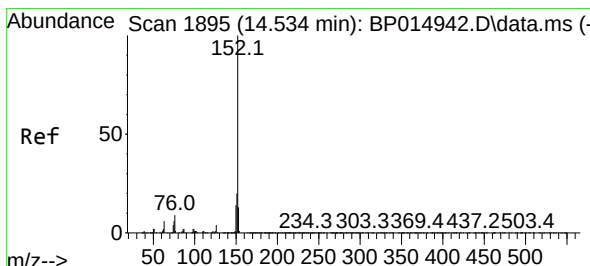
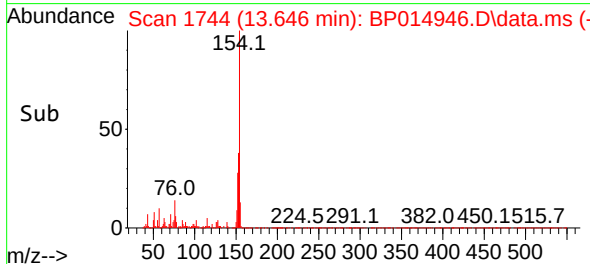
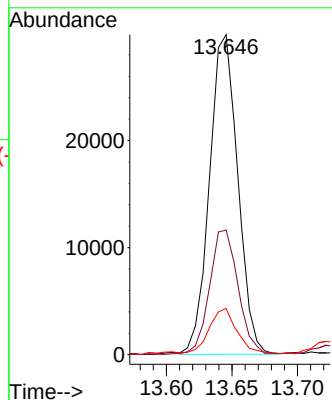
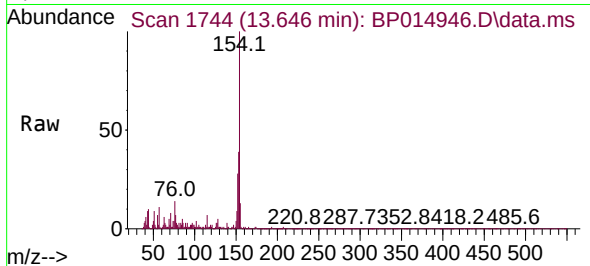
#43
1,1'-Biphenyl
Concen: 1.179 ng/ul
RT: 13.646 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Instrument :
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Tgt Ion:154 Resp: 4482
Ion Ratio Lower Upper
154 100
153 38.9 31.9 47.9
76 14.5 11.3 16.9

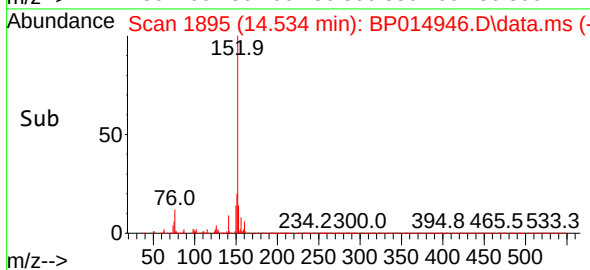
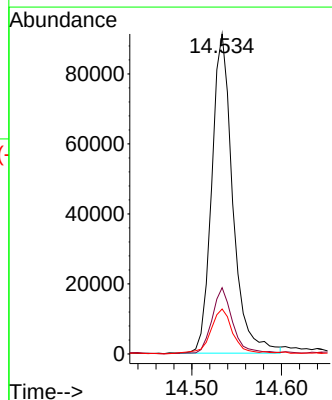
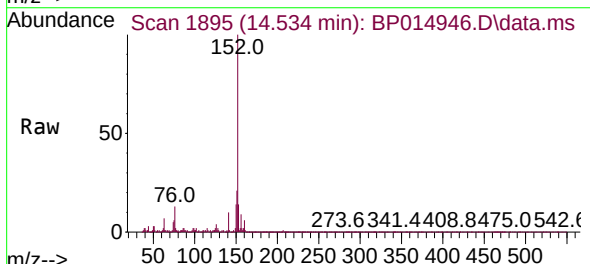
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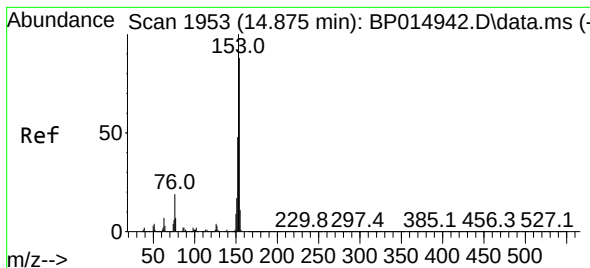
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#50
Acenaphthylene
Concen: 3.237 ng/ul
RT: 14.534 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:152 Resp: 148150
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 14.0 10.4 15.6





#52

Acenaphthene

Concen: 2.680 ng/ul

RT: 14.875 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BP014946.D

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Instrument :

BNA_P

ClientSampleId :

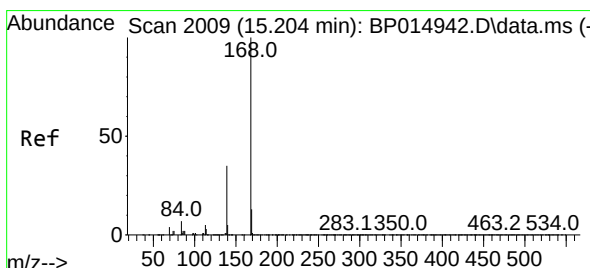
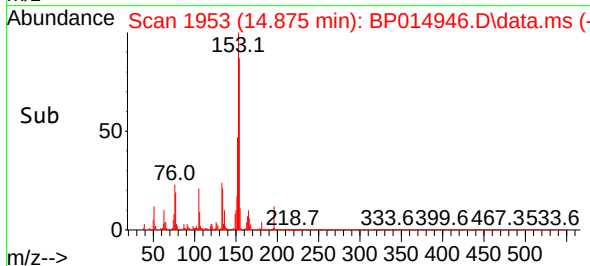
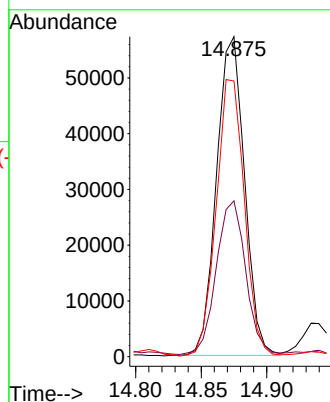
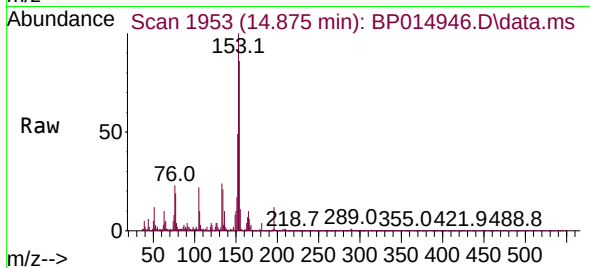
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Tgt Ion:153	Resp:	84880
Ion Ratio	Lower	Upper
153	100	
152	48.7	38.8 58.2
154	86.1	69.6 104.4

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#56

Dibenzofuran

Concen: 3.433 ng/ul

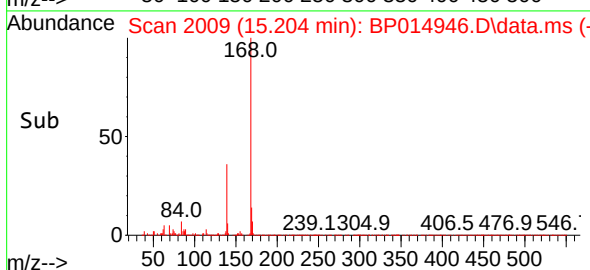
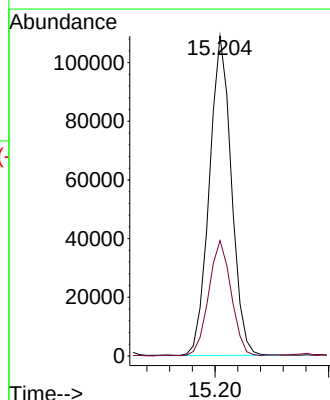
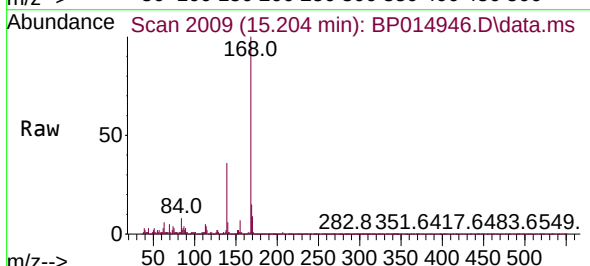
RT: 15.204 min Scan# 2009

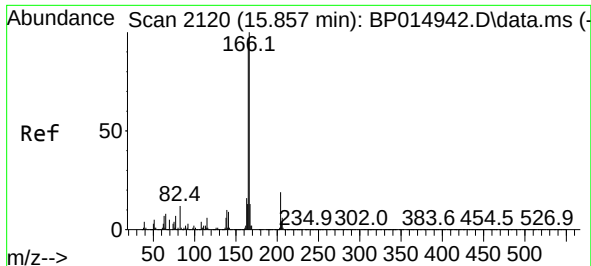
Delta R.T. -0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

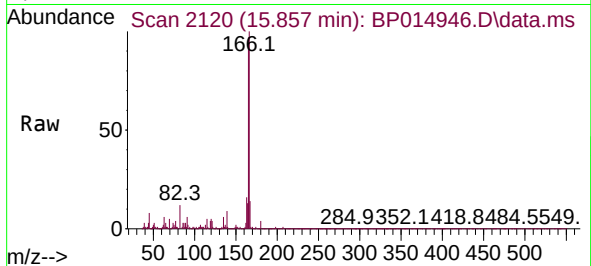
Tgt Ion:168	Resp:	146738
Ion Ratio	Lower	Upper
168	100	
139	36.1	28.6 42.8





#61
Fluorene
Concen: 5.528 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
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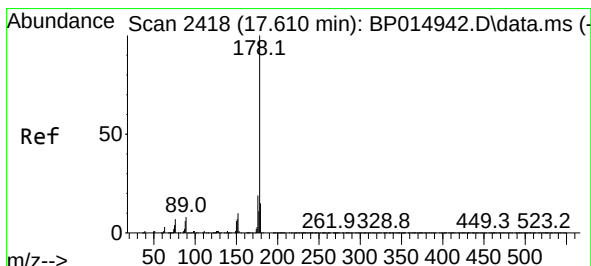
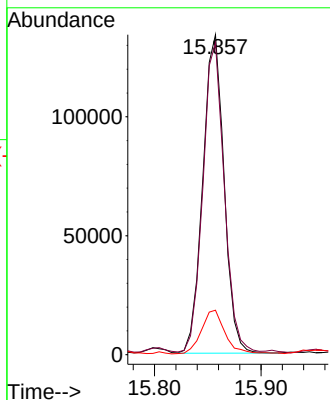
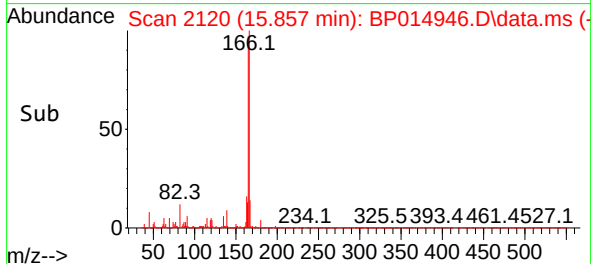
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Tgt Ion:166 Resp: 186379
Ion Ratio Lower Upper
166 100
165 97.4 79.3 118.9
167 13.9 10.7 16.1

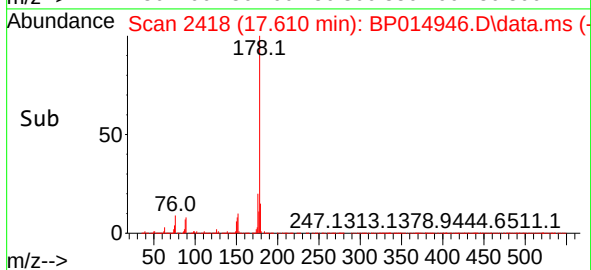
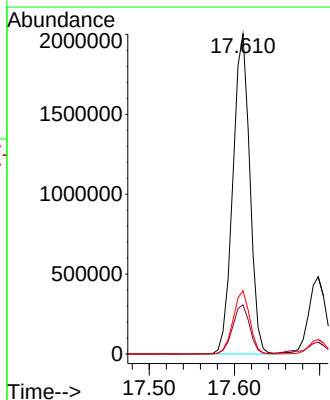
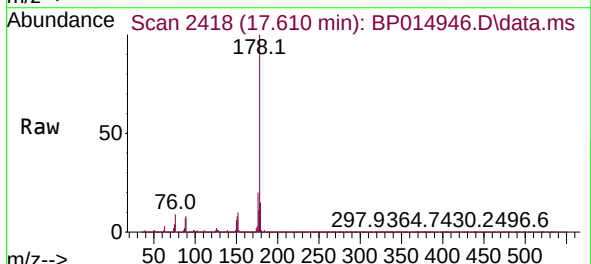
Manual Integrations
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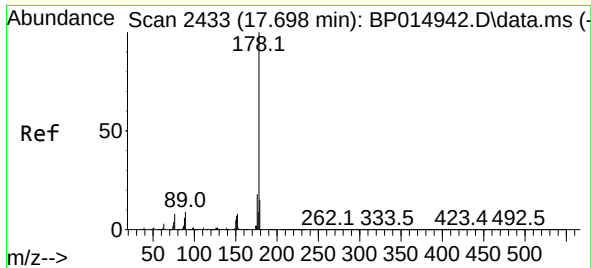
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#72
Phenanthrene
Concen: 48.902 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

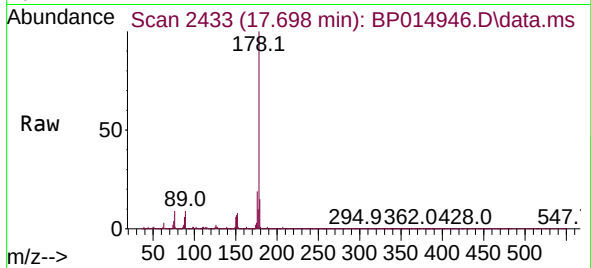
Tgt Ion:178 Resp: 2762518
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.8 15.4 23.0





#74
 Anthracene
 Concen: 11.944 ng/ul
 RT: 17.698 min Scan# 2433
 Delta R.T. -0.000 min
 Lab File: BP014946.D
 Acq: 04 May 2023 11:39

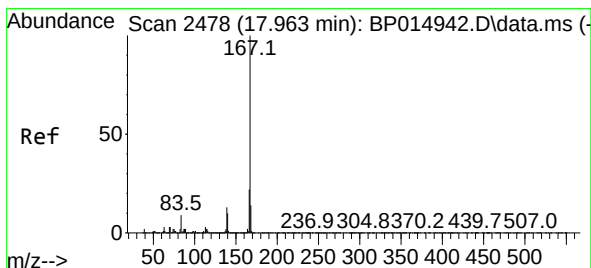
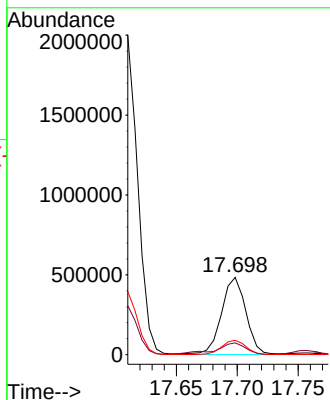
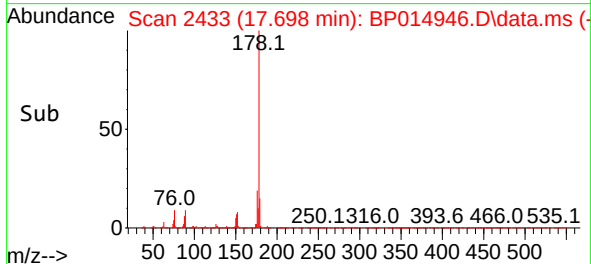
Instrument :
 BNA_P
 ClientSampleId :
 EW915



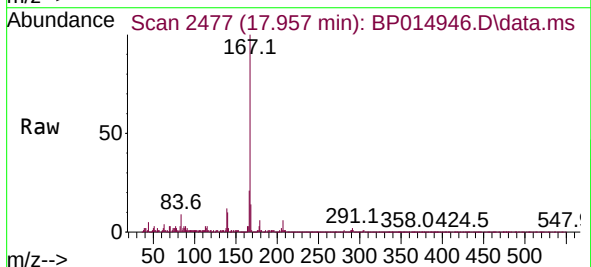
Tgt Ion:178 Resp: 671735
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.6 18.8
 176 18.6 15.0 22.4

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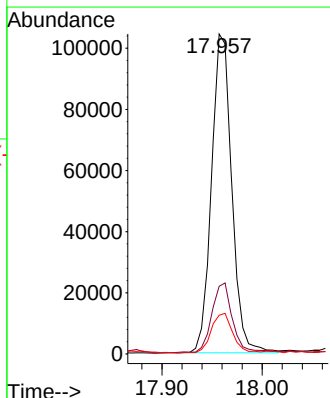
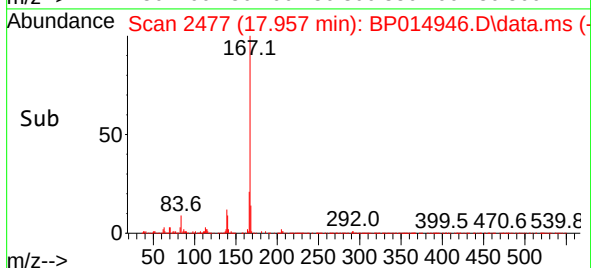
Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023

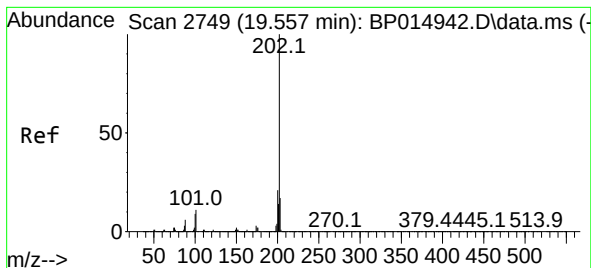


#77
 Carbazole
 Concen: 3.101 ng/ul
 RT: 17.957 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP014946.D
 Acq: 04 May 2023 11:39



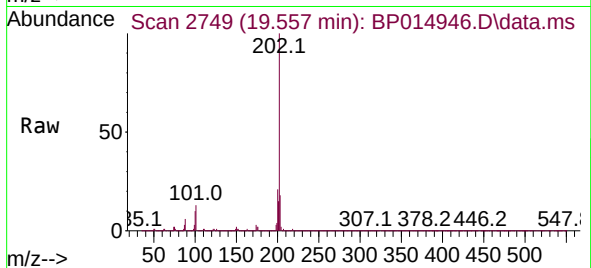
Tgt Ion:167 Resp: 146699
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 12.1 10.1 15.1





#80
Fluoranthene
Concen: 53.577 ng/u1
RT: 19.557 min Scan# 2749
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

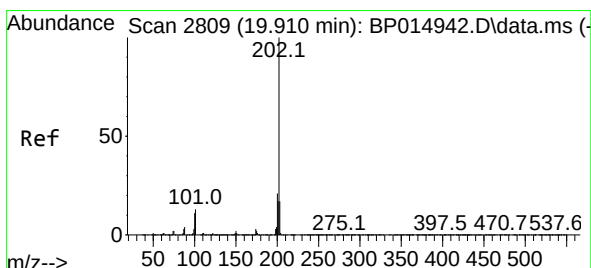
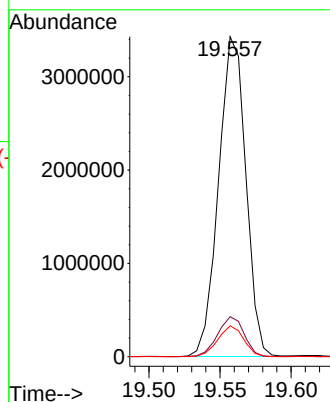
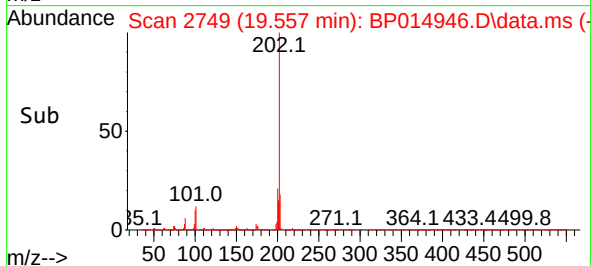
Instrument :
BNA_P
ClientSampleId :
EW915



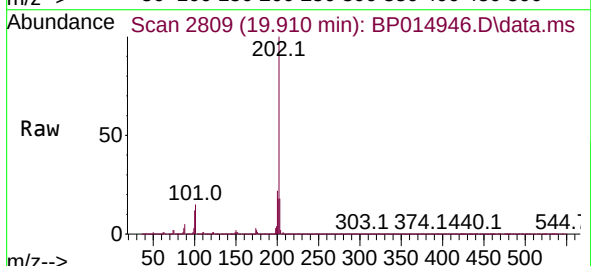
Tgt Ion:202 Resp: 4578210
Ion Ratio Lower Upper
202 100
101 12.5 10.1 15.1
100 9.6 7.7 11.5

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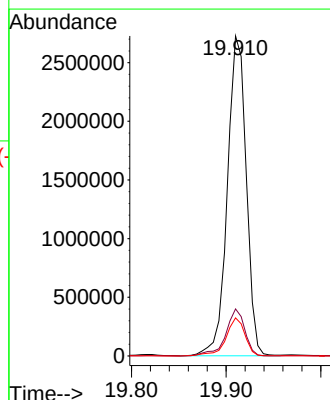
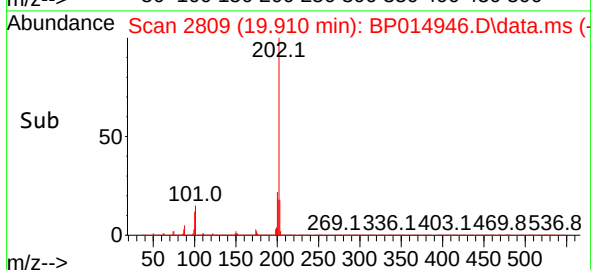
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

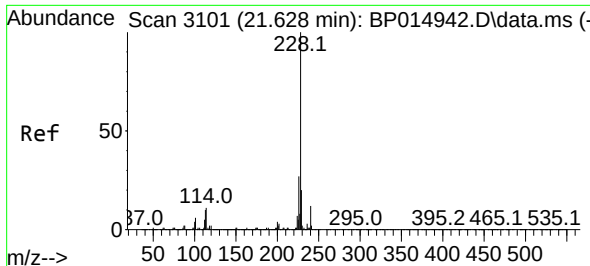


#82
Pyrene
Concen: 41.671 ng/u1
RT: 19.910 min Scan# 2809
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39



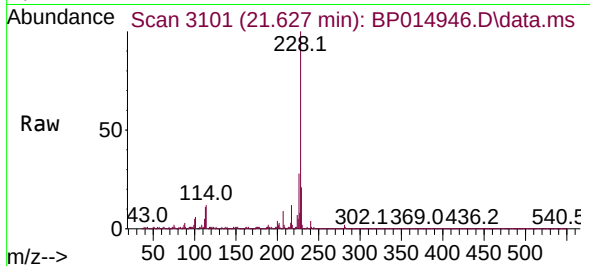
Tgt Ion:202 Resp: 3772538
Ion Ratio Lower Upper
202 100
101 14.7 11.9 17.9
100 11.9 9.7 14.5





#85
Benzo(a)anthracene
Concen: 32.186 ng/ul
RT: 21.627 min Scan# 3101
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

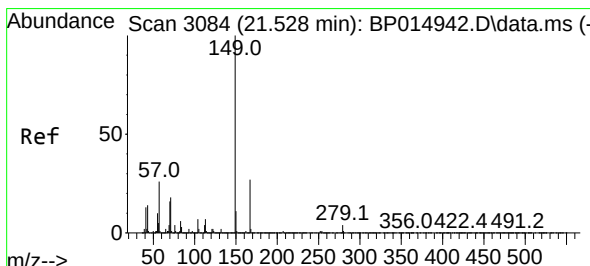
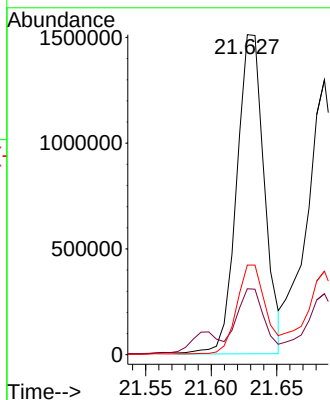
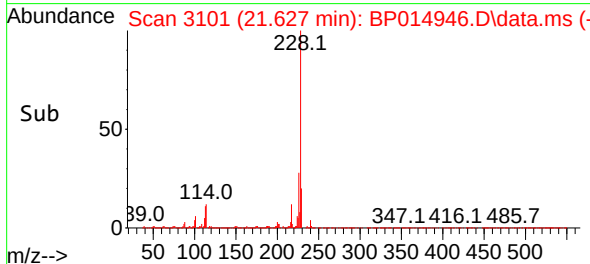
Instrument : BNA_P
ClientSampleId : EW915



Tgt Ion:228 Resp: 221818
Ion Ratio Lower Upper
228 100
229 20.6 15.9 23.9
226 28.0 22.1 33.1

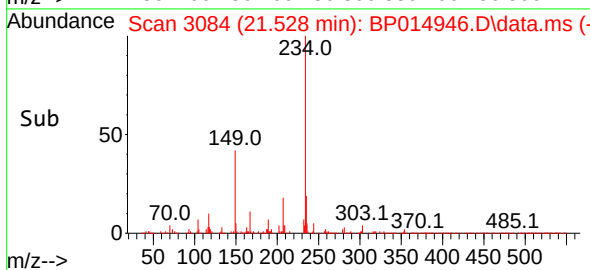
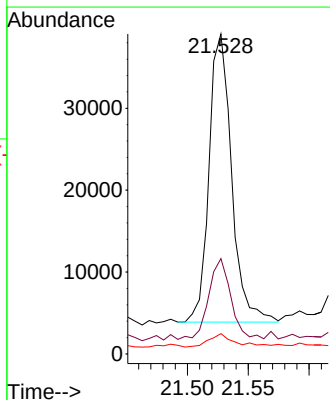
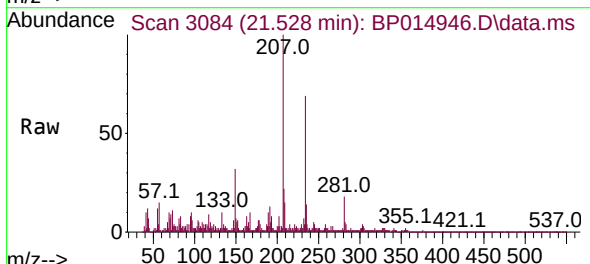
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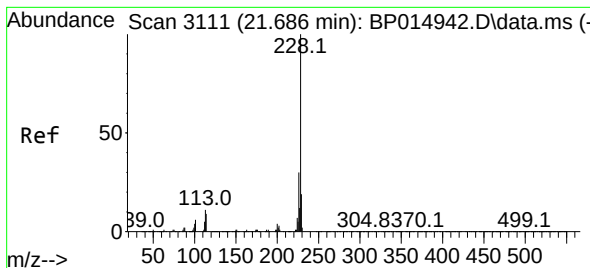
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.328 ng/ul
RT: 21.528 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:149 Resp: 45406
Ion Ratio Lower Upper
149 100
167 29.8 22.0 33.0
279 6.3 2.9 4.3#





#87

Chrysene

Concen: 29.521 ng/ul

RT: 21.686 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

Tgt Ion:228 Resp: 2048550

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

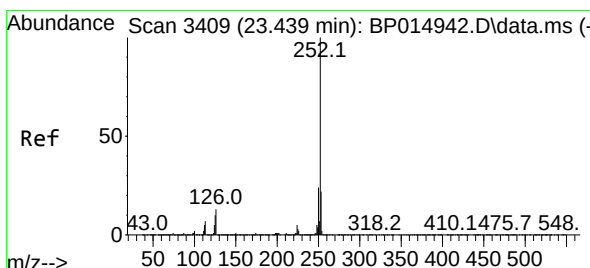
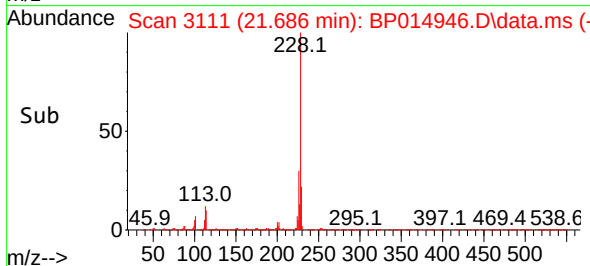
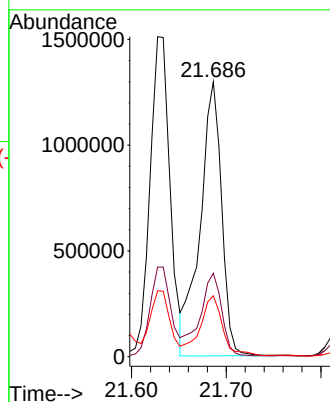
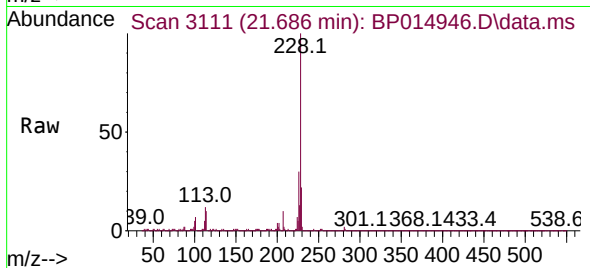
229 22.2 15.8 23.8

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#90

Benzo(b)fluoranthene

Concen: 33.301 ng/ul

RT: 23.445 min Scan# 3410

Delta R.T. 0.006 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

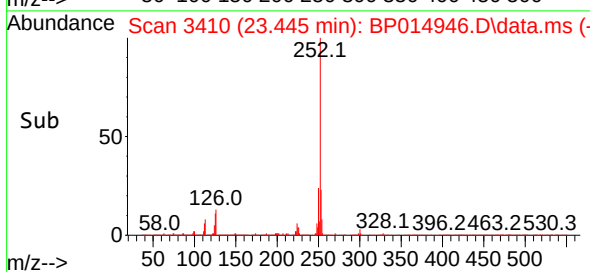
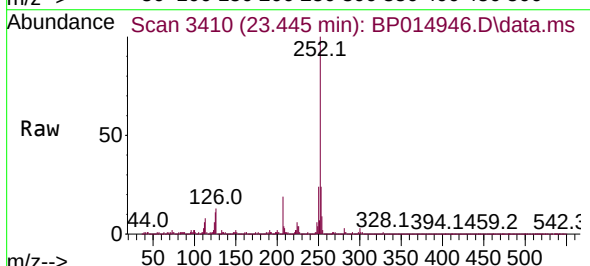
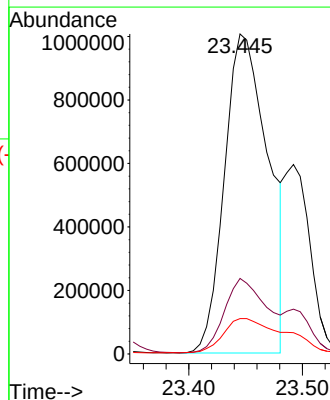
Tgt Ion:252 Resp: 2685326

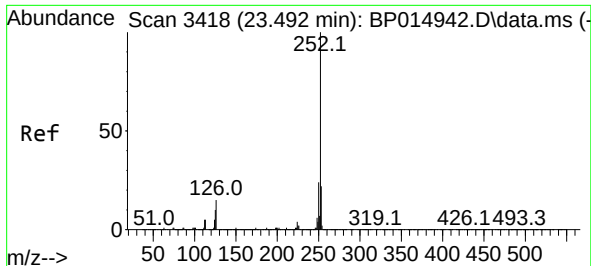
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 11.1 8.4 12.6





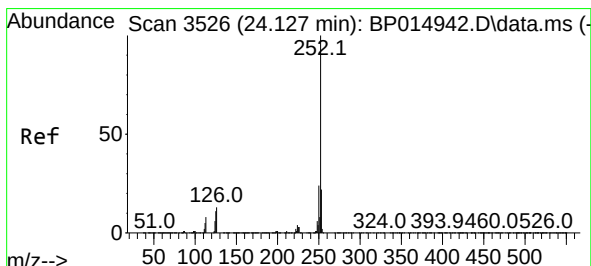
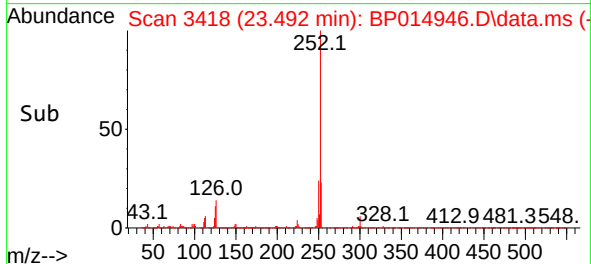
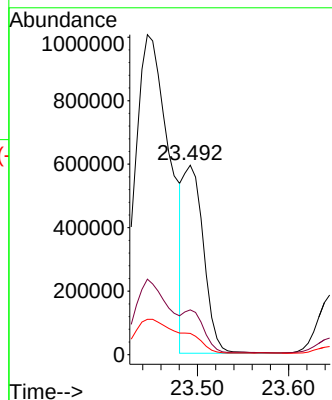
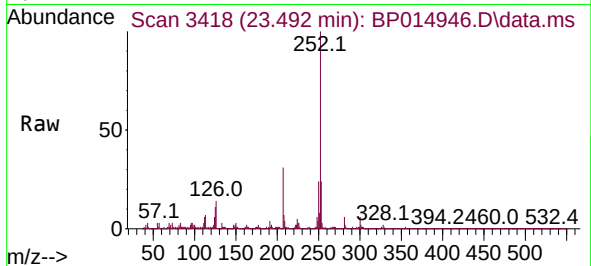
#91
Benzo(k)fluoranthene
Concen: 11.163 ng/ul m
RT: 23.492 min Scan# 3418
Delta R.T. -0.000 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Instrument :
BNA_P
ClientSampleId :
EW915

Tgt Ion:252 Resp: 91614
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 11.2 8.9 13.3

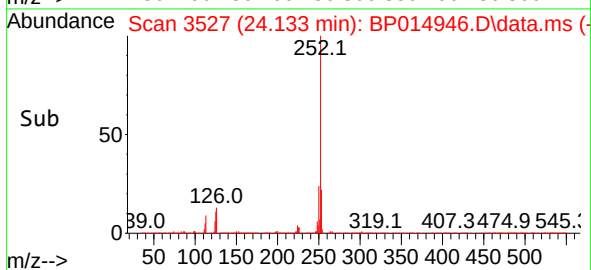
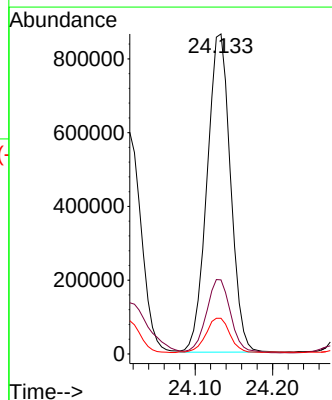
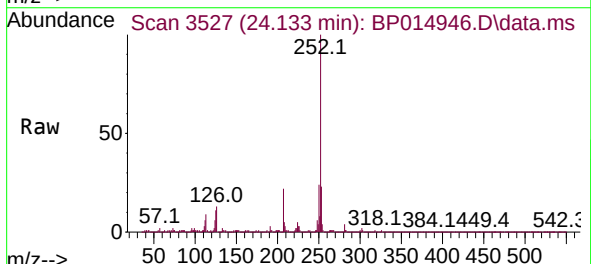
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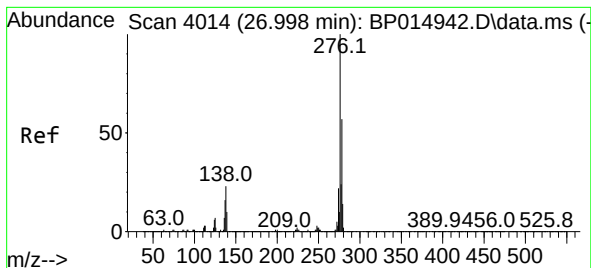
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#93
Benzo(a)pyrene
Concen: 25.650 ng/ul
RT: 24.133 min Scan# 3527
Delta R.T. 0.006 min
Lab File: BP014946.D
Acq: 04 May 2023 11:39

Tgt Ion:252 Resp: 1813963
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.2 9.4 14.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 14.573 ng/ul

RT: 26.998 min Scan# 4014

Delta R.T. 0.000 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

Instrument :

BNA_P

ClientSampleId :

EW915

Tgt Ion:276 Resp: 125716

Ion Ratio Lower Upper

276 100

138 21.7 19.4 29.0

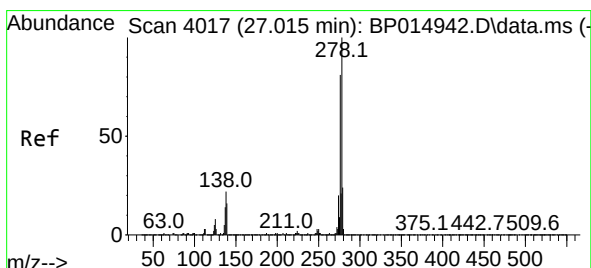
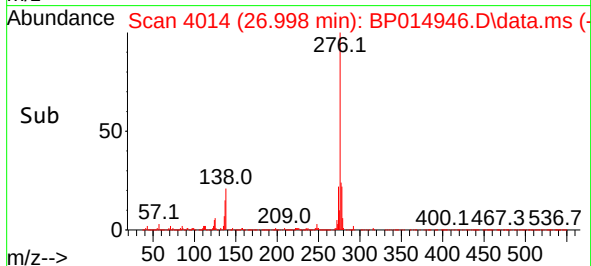
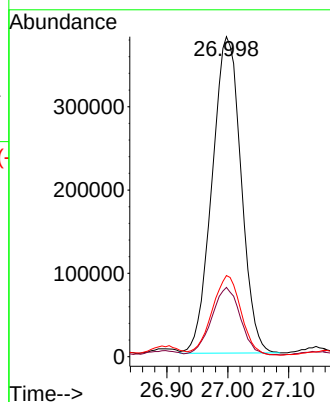
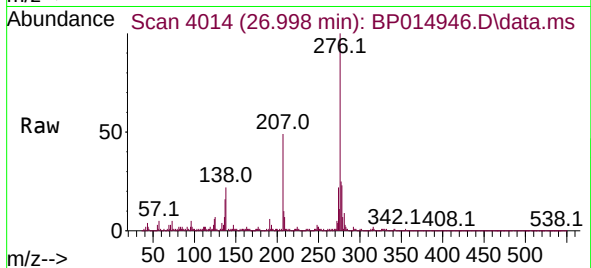
277 25.4 19.4 29.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#95

Dibenzo(a,h)anthracene

Concen: 4.928 ng/ul

RT: 27.010 min Scan# 4016

Delta R.T. -0.006 min

Lab File: BP014946.D

Acq: 04 May 2023 11:39

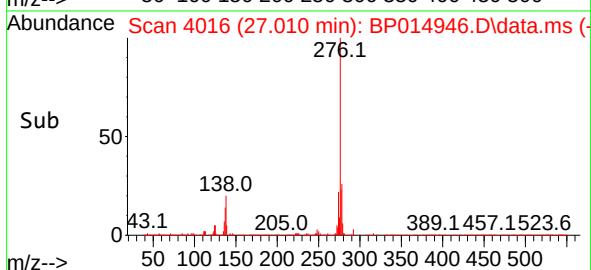
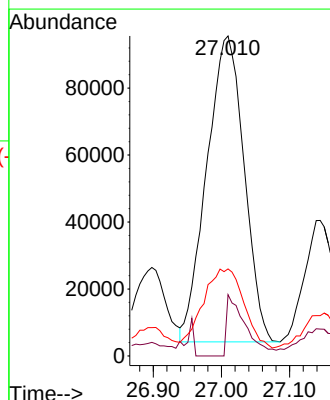
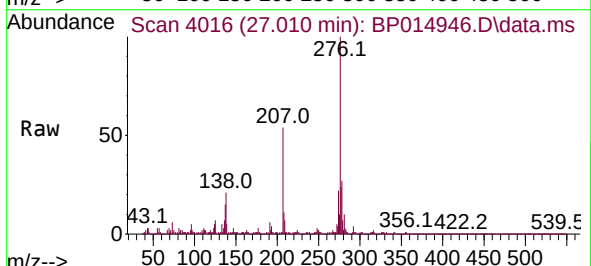
Tgt Ion:278 Resp: 348457

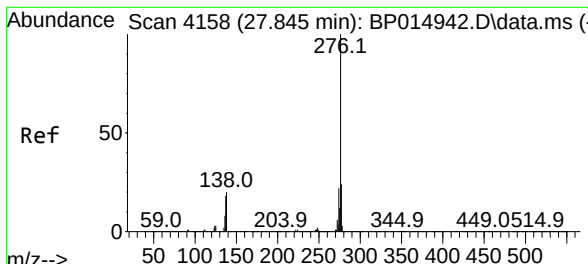
Ion Ratio Lower Upper

278 100

139 19.2 12.9 19.3

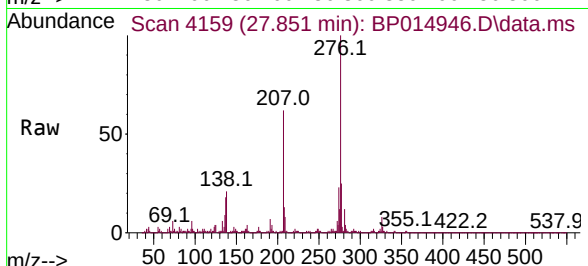
279 27.2 19.0 28.6





#96
 Benzo(g,h,i)perylene
 Concen: 14.842 ng/ul
 RT: 27.851 min Scan# 4159
 Delta R.T. 0.006 min
 Lab File: BP014946.D
 Acq: 04 May 2023 11:39

Instrument :
 BNA_P
 ClientSampleId :
 EW915



Tgt Ion: 276 Resp: 1089714

Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.0	27.0
277	24.8	19.8	29.8

Manual Integrations
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Reviewed By : Christian Giraldo 05/05/2023
 Supervised By : Jagrut Upadhyay 05/05/2023

