

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014968.D
 Acq On : 04 May 2023 23:54
 Operator : CG/JU
 Sample : 02479-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW949

Quant Time: May 05 01:13:28 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.169	152	256188	20.000	ng/u1	0.00
20) Naphthalene-d8	11.004	136	924209	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	475573	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.569	188	988966	20.000	ng/u1	0.00
79) Chrysene-d12	21.651	240	943445	20.000	ng/u1	0.00
88) Perylene-d12	24.257	264	1191465	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	10825	1.571	ng/uL	0.00
4) Pyridine-d5	3.934	84	11060m	0.587	ng/u1	0.04
7) Phenol-d5	7.310	99	174446	7.854	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	115620	8.422	ng/u1	0.00
11) 2-Chlorophenol-d4	7.693	132	146977	8.999	ng/u1	0.00
15) 4-Methylphenol-d8	8.875	113	111082	6.490	ng/u1	0.00
21) Nitrobenzene-d5	9.346	128	65426	9.954	ng/u1	0.00
24) 2-Nitrophenol-d4	10.075	143	65344	9.681	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.616	165	117029	8.831	ng/u1	0.00
31) 4-Chloroaniline-d4	11.140	131	81713	4.263	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	335435	9.966	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	401065	9.935	ng/u1	0.00
54) 4-Nitrophenol-d4	14.998	143	20713	3.537	ng/u1	0.01
60) Fluorene-d10	15.798	176	291430	10.064	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.922	200	8683	1.560	ng/u1	0.01
73) Anthracene-d10	17.663	188	476170	10.716	ng/u1	0.00
81) Pyrene-d10	19.886	212	577885	9.082	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.086	264	628219	10.821	ng/u1	0.02
Target Compounds					Qvalue	
16) Acetophenone	8.999	105	55129	1.970	ng/u1	93
30) Naphthalene	11.051	128	97056	1.910	ng/u1	100
36) 2-Methylnaphthalene	12.651	142	97450	3.102	ng/u1	98
37) 1-Methylnaphthalene	12.869	142	75803	2.341	ng/u1	94
50) Acenaphthylene	14.534	152	102030	2.229	ng/u1#	95
52) Acenaphthene	14.875	153	238275	7.524	ng/u1	99
56) Dibenzofuran	15.204	168	187702	4.392	ng/u1	97
61) Fluorene	15.857	166	262518	7.788	ng/u1	99
72) Phenanthrene	17.610	178	5223911	95.612	ng/u1	99
74) Anthracene	17.698	178	1497879	27.537	ng/u1	99
77) Carbazole	17.963	167	714750	15.622	ng/u1	100
80) Fluoranthene	19.569	202	8452347	108.253	ng/u1	96
82) Pyrene	19.916	202	7578809	91.617	ng/u1	97
85) Benzo(a)anthracene	21.633	228	4375098	69.477	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.527	149	190214	6.087	ng/u1#	97
87) Chrysene	21.692	228	4128952	65.119	ng/u1	96
90) Benzo(b)fluoranthene	23.457	252	5820260	75.585	ng/u1	97
91) Benzo(k)fluoranthene	23.504	252	1853435m	23.650	ng/u1	
93) Benzo(a)pyrene	24.145	252	4265389	63.162	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.027	276	3114592	37.810	ng/u1	96
95) Dibenzo(a,h)anthracene	27.033	278	791918	11.729	ng/u1#	81
96) Benzo(g,h,i)perylene	27.886	276	2798775	39.920	ng/u1	99

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

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

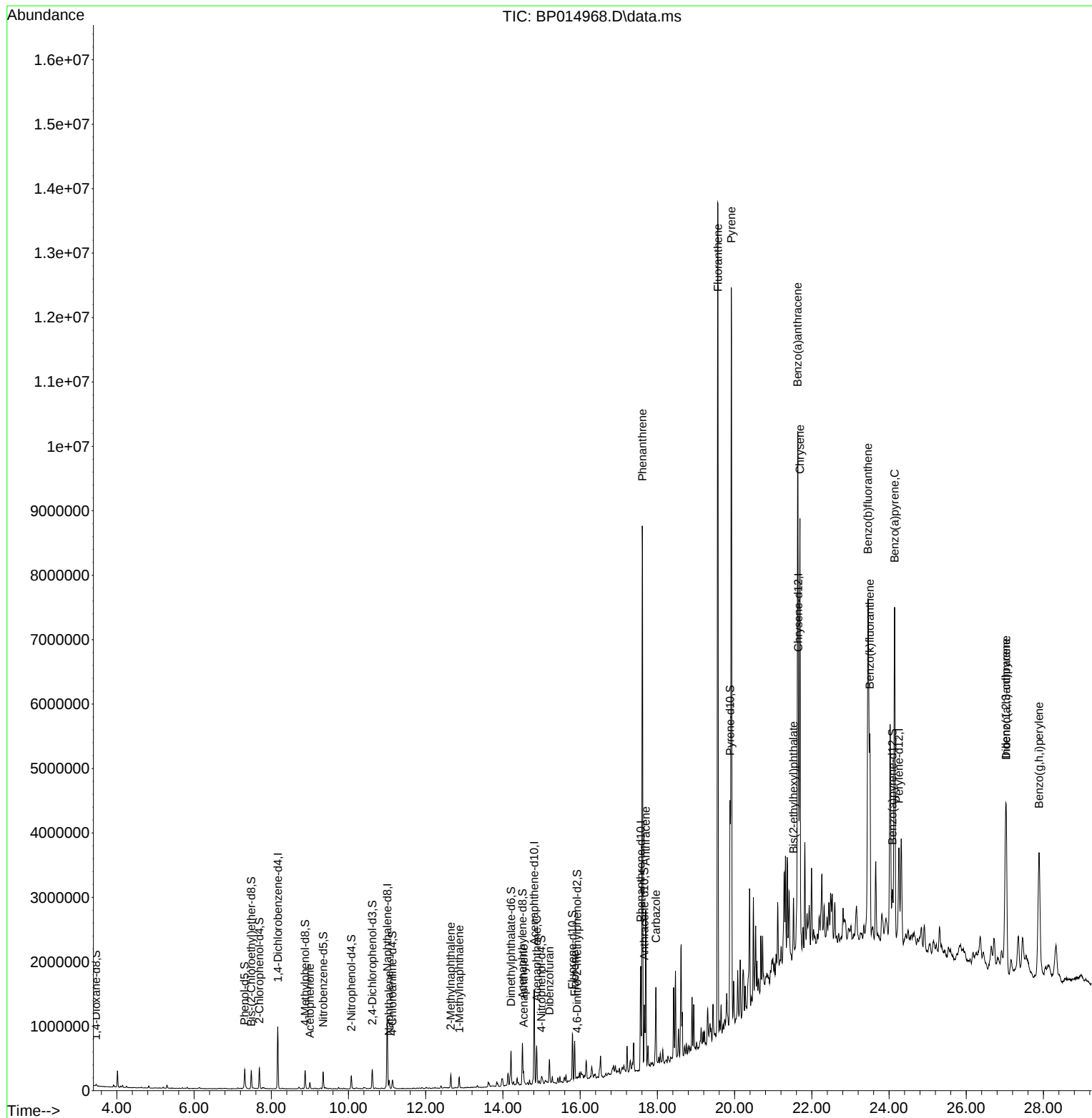
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
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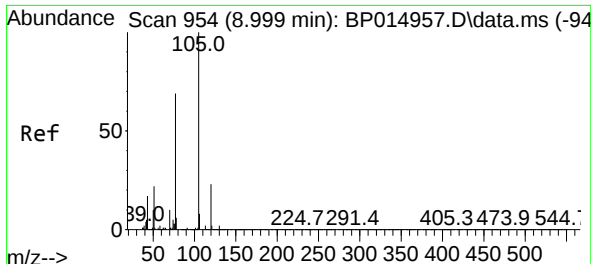
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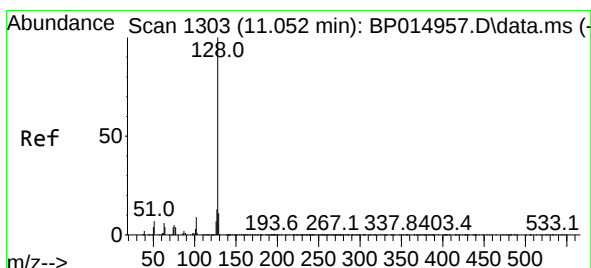
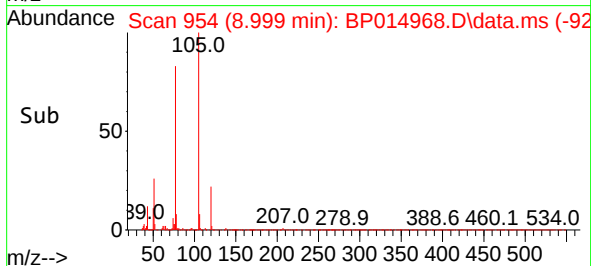
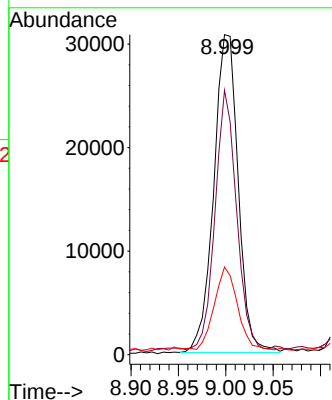
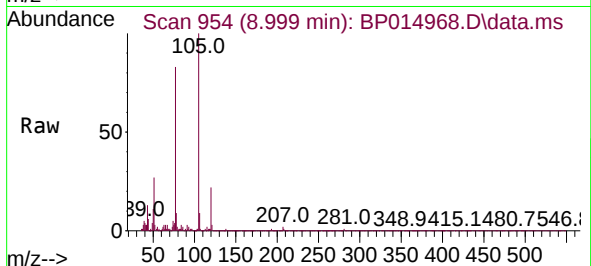
#16
Acetophenone
Concen: 1.970 ng/ul
RT: 8.999 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP014968.D
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ClientSampleId :
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Tgt Ion:	105	Resp:	55129
Ion Ratio	Lower	Upper	
105	100		
77	82.6	61.2	91.8
51	27.4	19.4	29.2

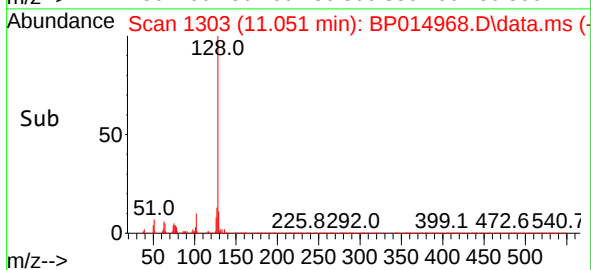
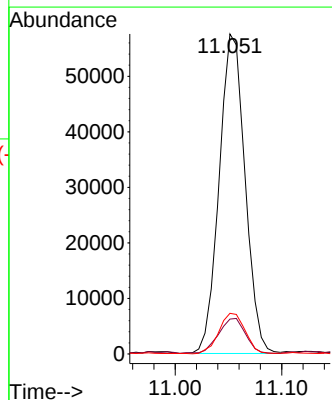
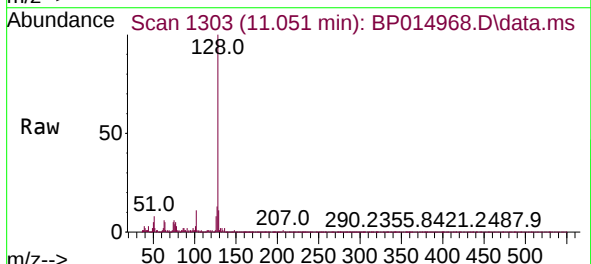
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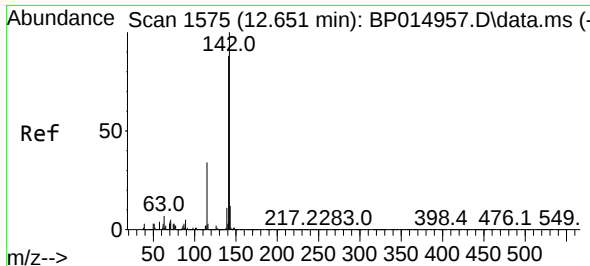
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#30
Naphthalene
Concen: 1.910 ng/ul
RT: 11.051 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

Tgt Ion:	128	Resp:	97056
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.7	13.1
127	12.7	10.4	15.6





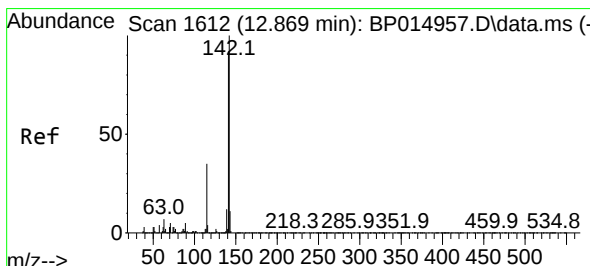
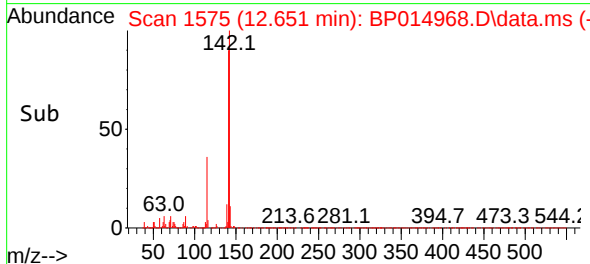
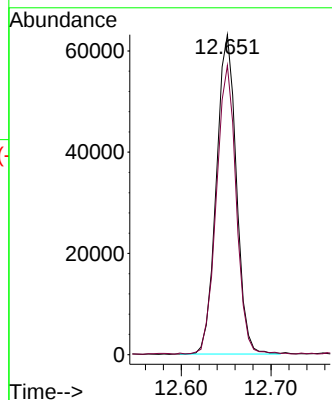
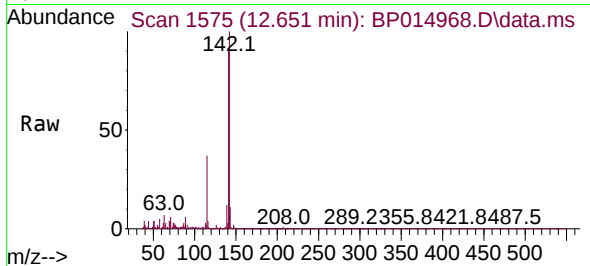
#36
2-Methylnaphthalene
Concen: 3.102 ng/ul
RT: 12.651 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

Instrument :
BNA_P
ClientSampleId :
EW949

Tgt Ion:142 Resp: 97450
Ion Ratio Lower Upper
142 100
141 90.4 70.5 105.7

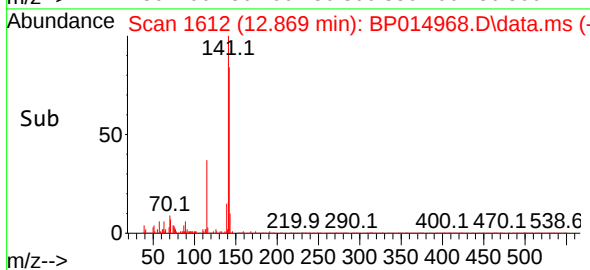
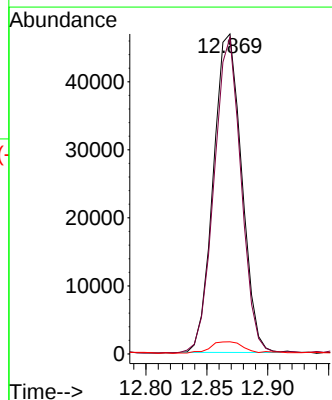
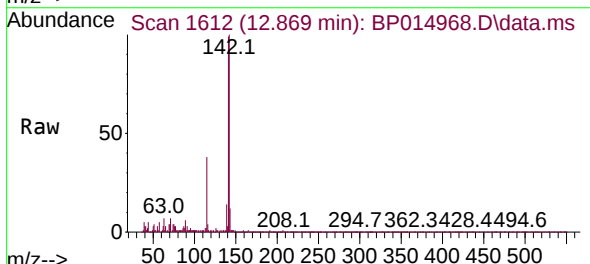
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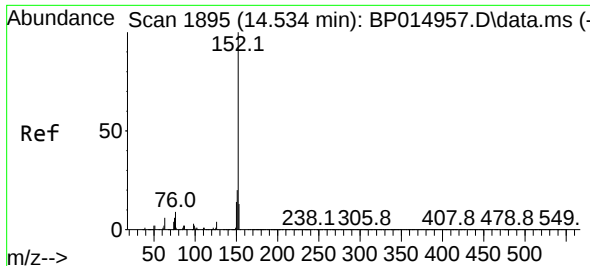
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#37
1-Methylnaphthalene
Concen: 2.341 ng/ul
RT: 12.869 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

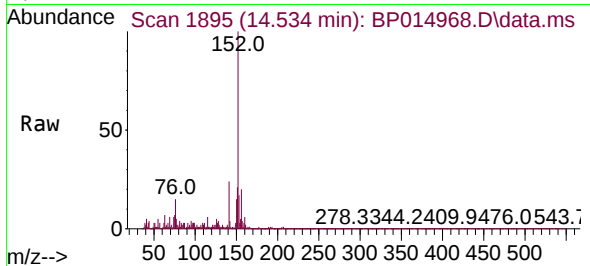
Tgt Ion:142 Resp: 75803
Ion Ratio Lower Upper
142 100
141 98.9 74.4 111.6
116 3.8 2.9 4.3





#50
Acenaphthylene
Concen: 2.229 ng/ul
RT: 14.534 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

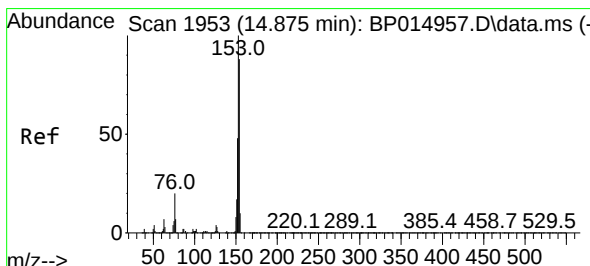
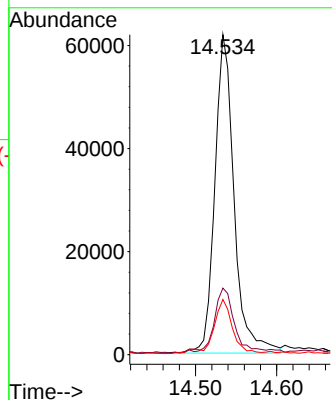
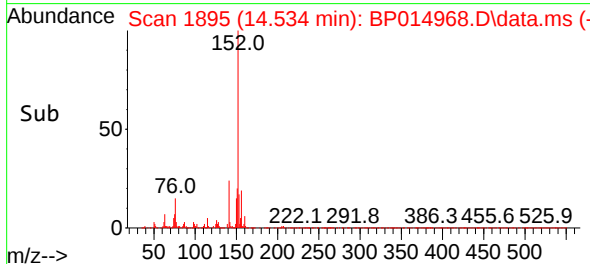
Instrument : BNA_P
ClientSampleId : EW949



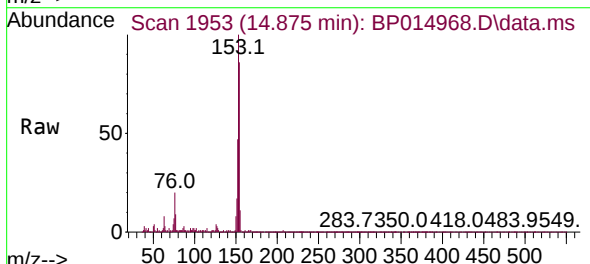
Tgt Ion:152 Resp: 102030
Ion Ratio Lower Upper
152 100
151 20.8 16.1 24.1
153 17.2 10.4 15.6

Manual Integrations
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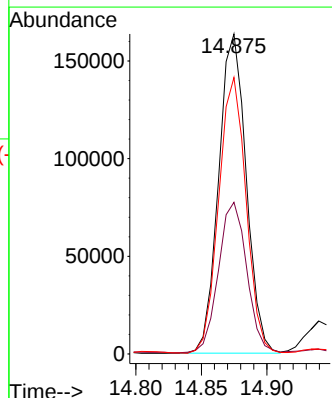
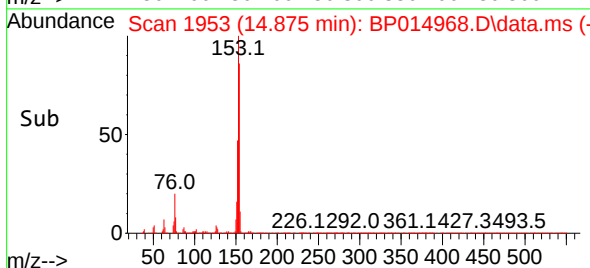
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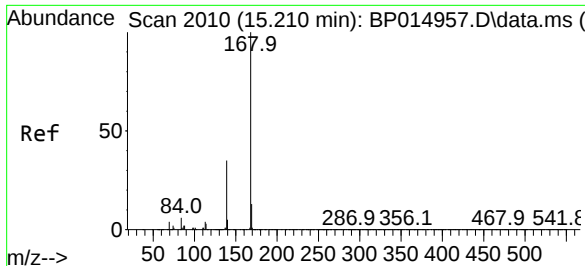


#52
Acenaphthene
Concen: 7.524 ng/ul
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54



Tgt Ion:153 Resp: 238275
Ion Ratio Lower Upper
153 100
152 47.4 38.8 58.2
154 86.4 69.6 104.4





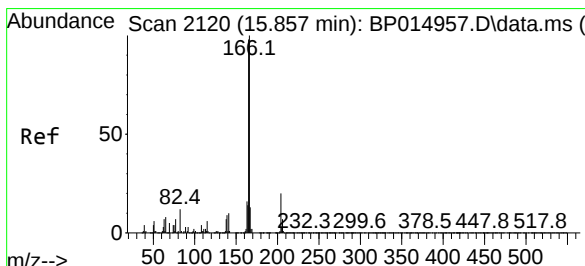
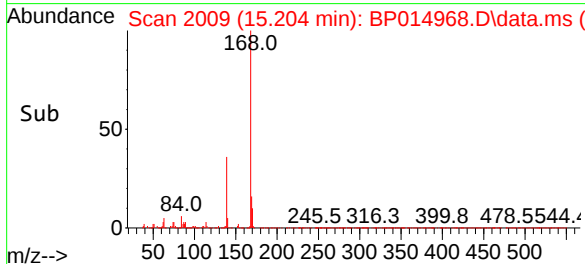
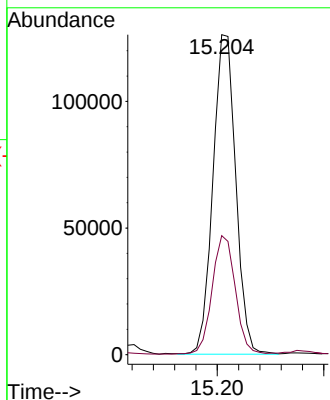
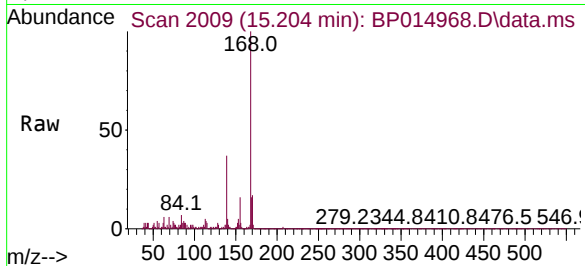
#56
Dibenzenofuran
Concen: 4.392 ng/ul
RT: 15.204 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

Instrument :
BNA_P
ClientSampleId :
EW949

Tgt Ion:168 Resp: 187702
Ion Ratio Lower Upper
168 100
139 37.2 28.6 42.8

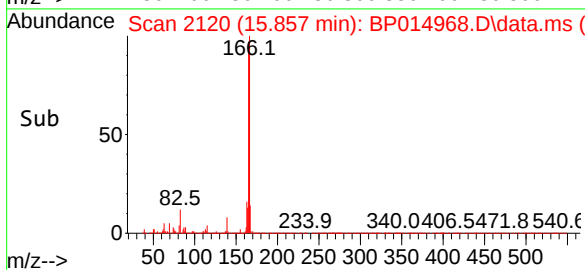
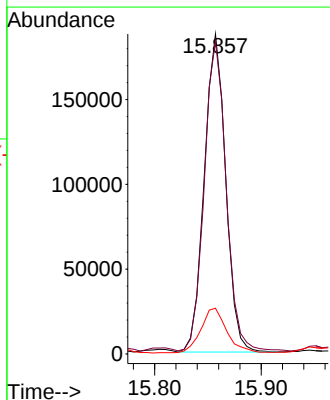
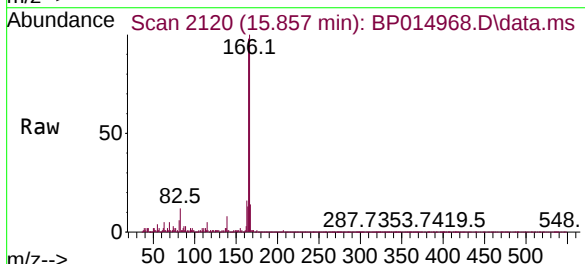
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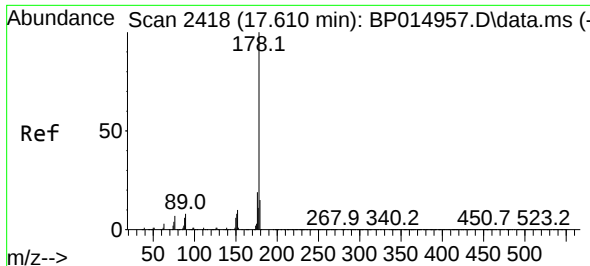
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#61
Fluorene
Concen: 7.788 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014968.D
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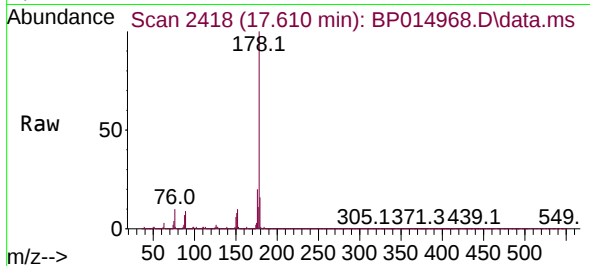
Tgt Ion:166 Resp: 262518
Ion Ratio Lower Upper
166 100
165 97.7 79.3 118.9
167 14.3 10.7 16.1





#72
Phenanthrene
Concen: 95.612 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP014968.D
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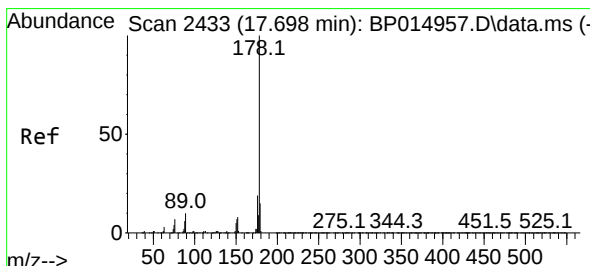
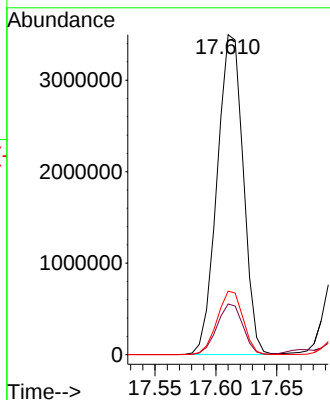
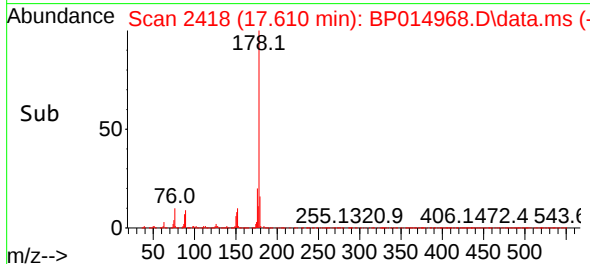
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Tgt Ion:178 Resp: 522391
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.4
176 19.9 15.4 23.0

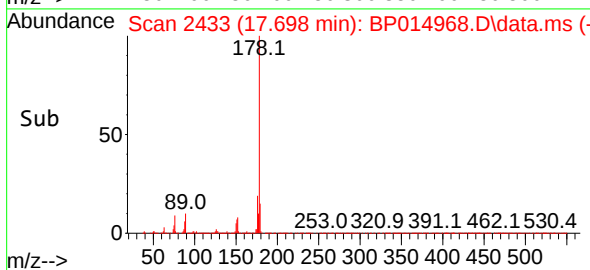
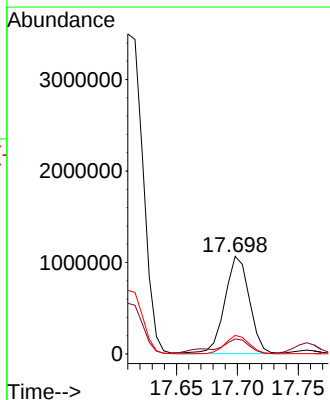
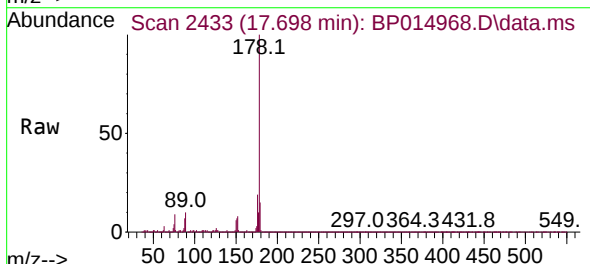
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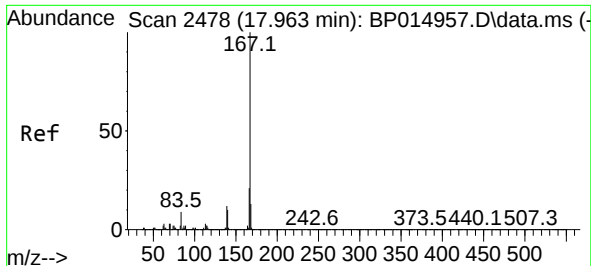
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#74
Anthracene
Concen: 27.537 ng/ul
RT: 17.698 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

Tgt Ion:178 Resp: 1497879
Ion Ratio Lower Upper
178 100
179 15.4 12.6 18.8
176 19.0 15.0 22.4





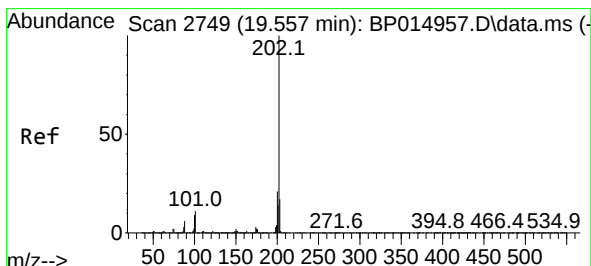
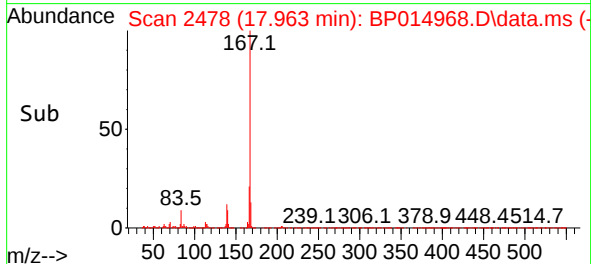
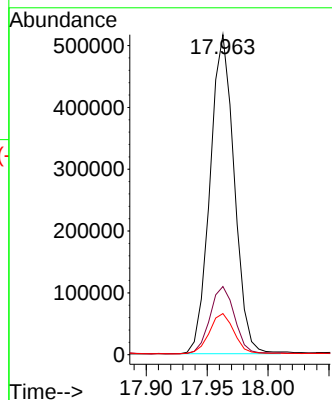
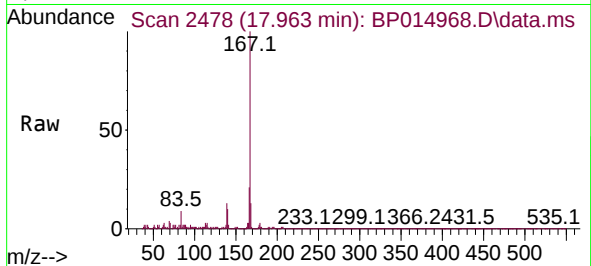
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 Carbazole
 Concen: 15.622 ng/ul
 RT: 17.963 min Scan# 2478
 Delta R.T. -0.000 min
 Lab File: BP014968.D
 Acq: 04 May 2023 23:54

Instrument :
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Tgt Ion:167 Resp: 714750
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 12.8 10.1 15.1

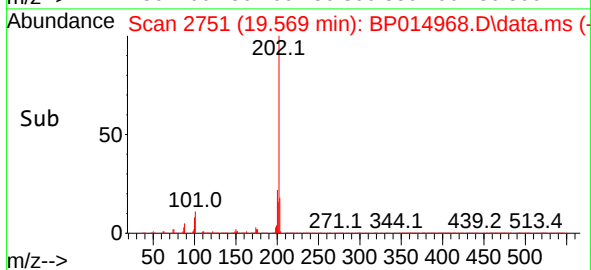
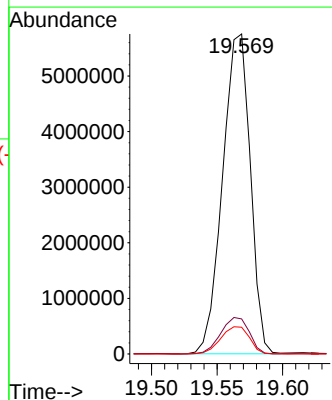
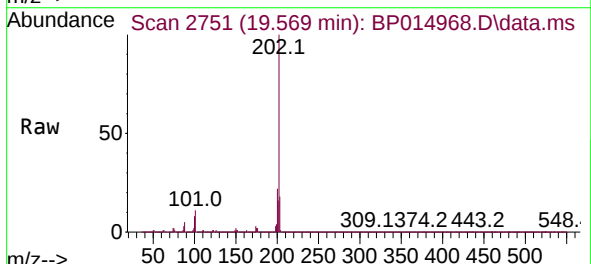
Manual Integrations
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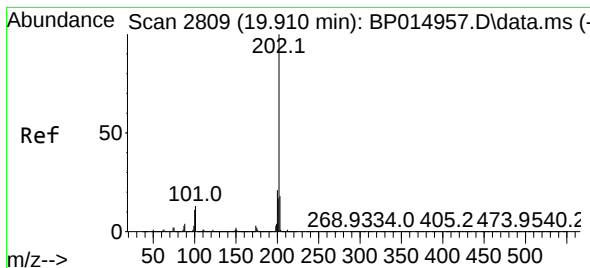
Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023



#80
 Fluoranthene
 Concen: 108.253 ng/ul
 RT: 19.569 min Scan# 2751
 Delta R.T. 0.012 min
 Lab File: BP014968.D
 Acq: 04 May 2023 23:54

Tgt Ion:202 Resp: 8452347
 Ion Ratio Lower Upper
 202 100
 101 11.0 10.1 15.1
 100 8.3 7.7 11.5





#82

Pyrene

Concen: 91.617 ng/ul

RT: 19.916 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP014968.D

Acq: 04 May 2023 23:54

Instrument :

BNA_P

ClientSampleId :

EW949

Tgt Ion:202 Resp: 7578809

Ion Ratio Lower Upper

202 100

101 13.8 11.9 17.9

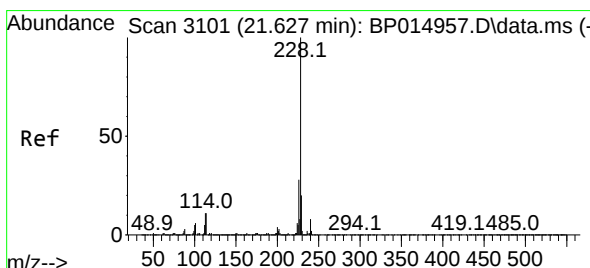
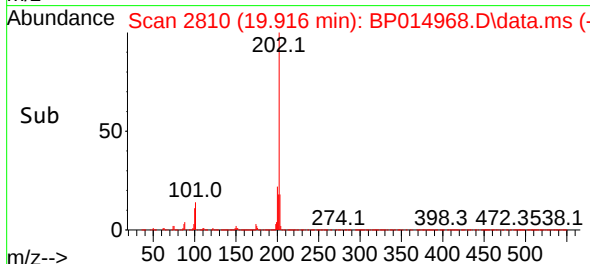
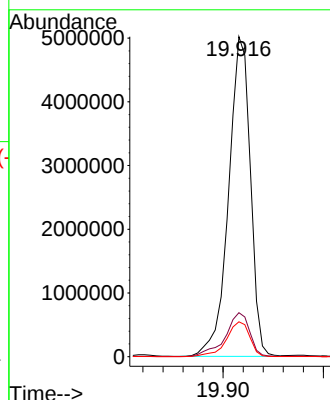
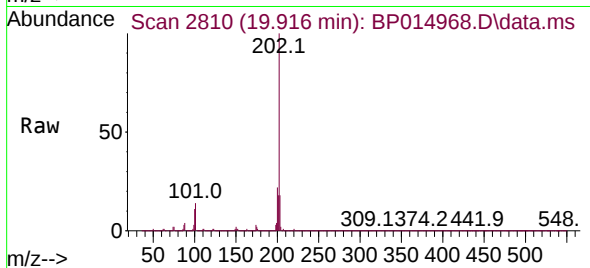
100 10.9 9.7 14.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#85

Benzo(a)anthracene

Concen: 69.477 ng/ul

RT: 21.633 min Scan# 3102

Delta R.T. 0.006 min

Lab File: BP014968.D

Acq: 04 May 2023 23:54

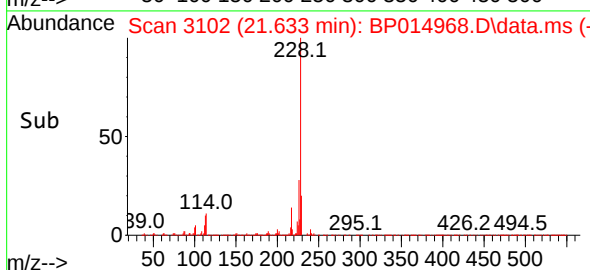
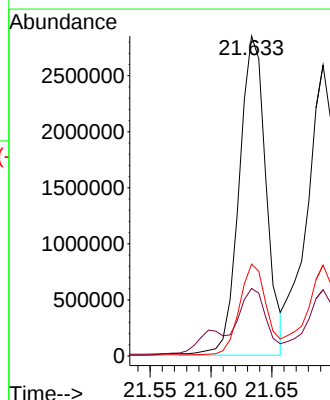
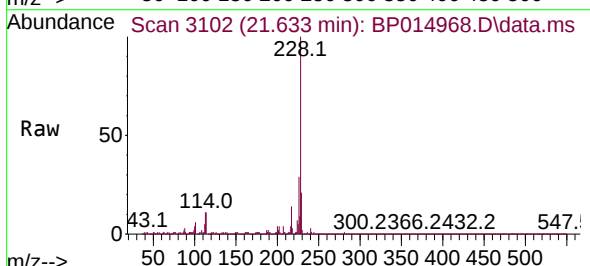
Tgt Ion:228 Resp: 4375098

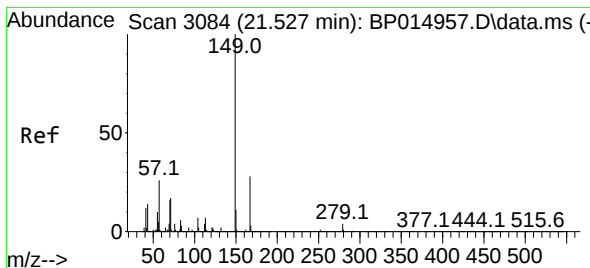
Ion Ratio Lower Upper

228 100

229 21.1 15.9 23.9

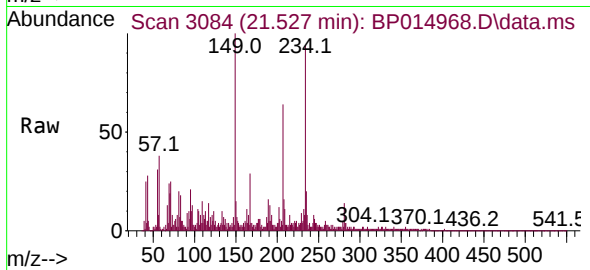
226 28.7 22.1 33.1





#86
Bis(2-ethylhexyl)phthalate
Concen: 6.087 ng/ul
RT: 21.527 min Scan# 3084
Delta R.T. -0.000 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

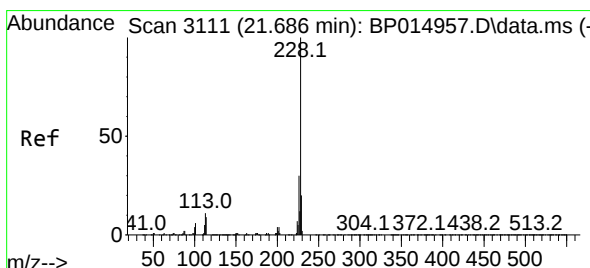
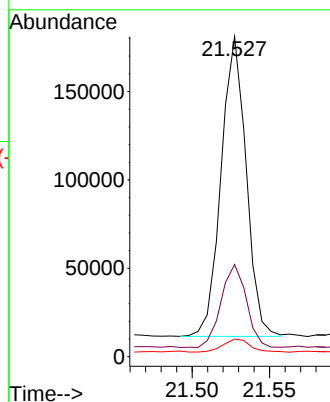
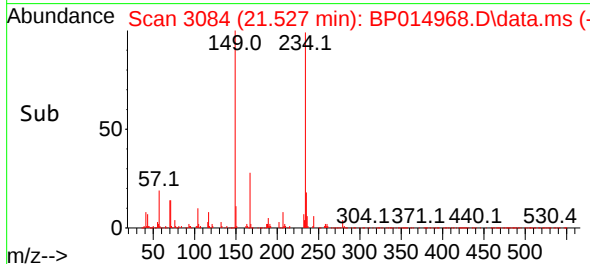
Instrument :
BNA_P
ClientSampleId :
EW949



Tgt Ion:149 Resp: 190214
Ion Ratio Lower Upper
149 100
167 28.8 22.0 33.0
279 5.5 2.9 4.3

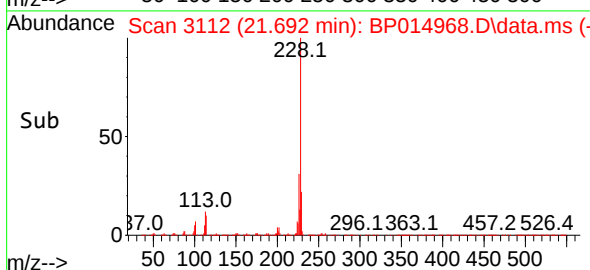
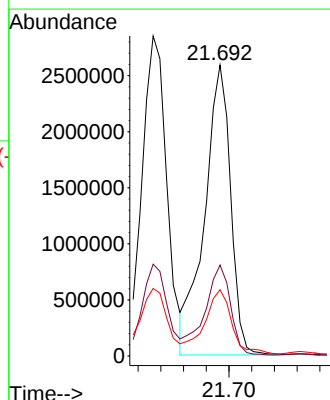
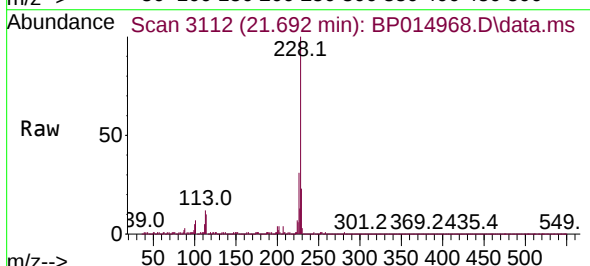
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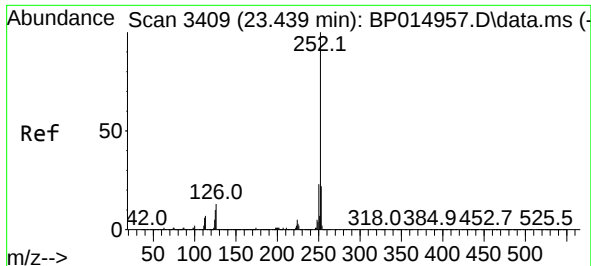
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#87
Chrysene
Concen: 65.119 ng/ul
RT: 21.692 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

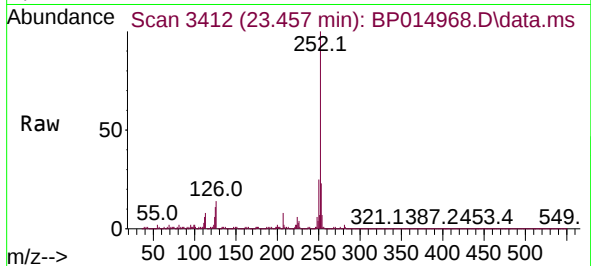
Tgt Ion:228 Resp: 4128952
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 22.8 15.8 23.8





#90
Benzo(b)fluoranthene
Concen: 75.585 ng/ul
RT: 23.457 min Scan# 3409
Delta R.T. 0.018 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

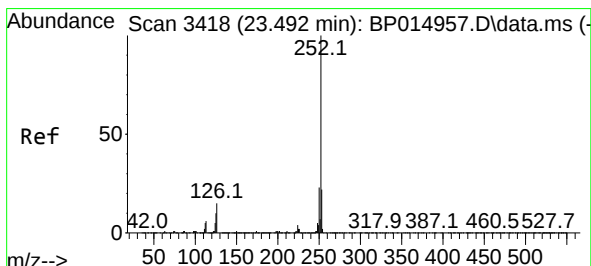
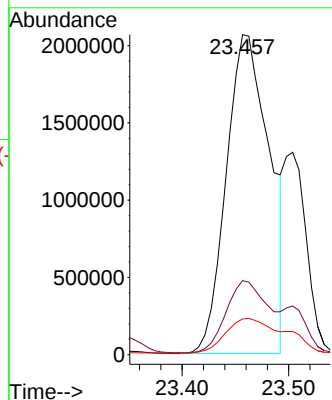
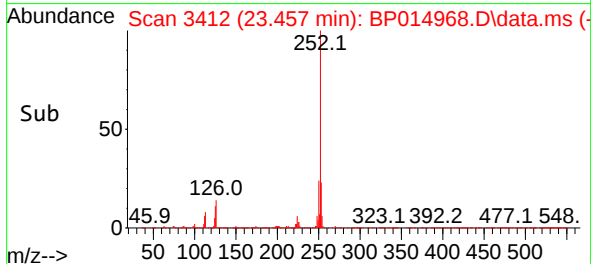
Instrument :
BNA_P
ClientSampleId :
EW949



Tgt Ion:252 Resp: 5820260
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 11.2 8.4 12.6

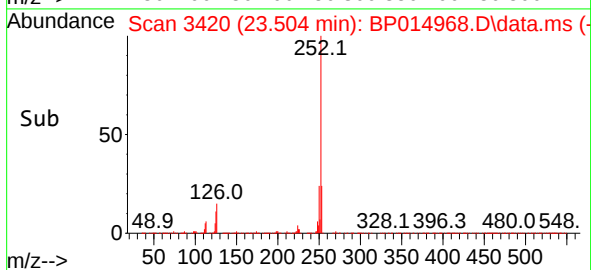
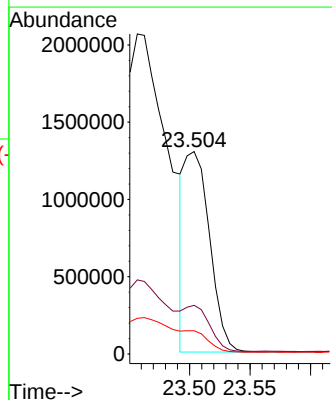
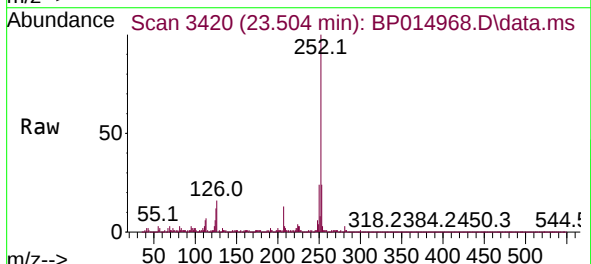
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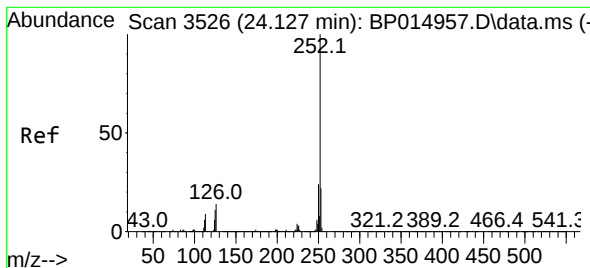
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#91
Benzo(k)fluoranthene
Concen: 23.650 ng/ul m
RT: 23.504 min Scan# 3420
Delta R.T. 0.012 min
Lab File: BP014968.D
Acq: 04 May 2023 23:54

Tgt Ion:252 Resp: 1853435
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 11.5 8.9 13.3





#93

Benzo(a)pyrene

Concen: 63.162 ng/ul

RT: 24.145 min Scan# 3526

Delta R.T. 0.018 min

Lab File: BP014968.D

Acq: 04 May 2023 23:54

Instrument :

BNA_P

ClientSampleId :

EW949

Tgt Ion:252 Resp: 4265389

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

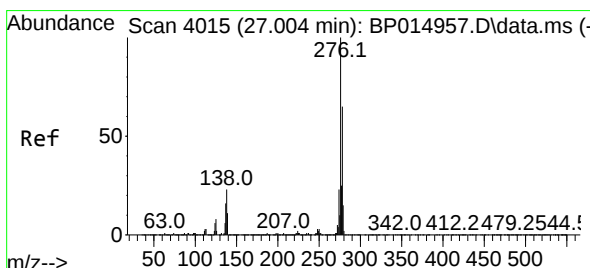
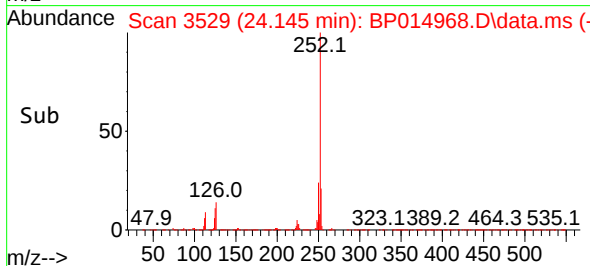
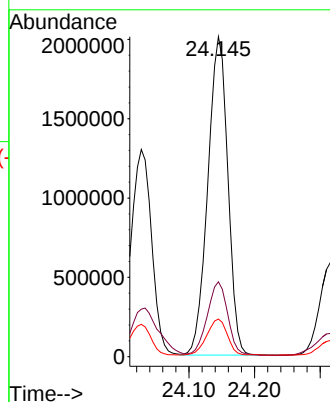
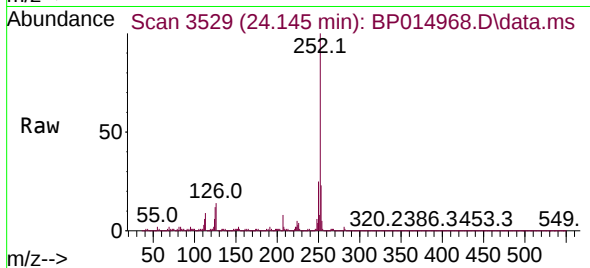
125 11.7 9.4 14.2

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 37.810 ng/ul

RT: 27.027 min Scan# 4019

Delta R.T. 0.029 min

Lab File: BP014968.D

Acq: 04 May 2023 23:54

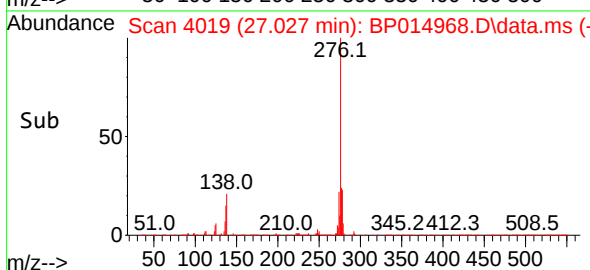
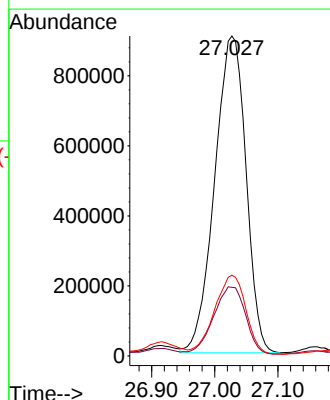
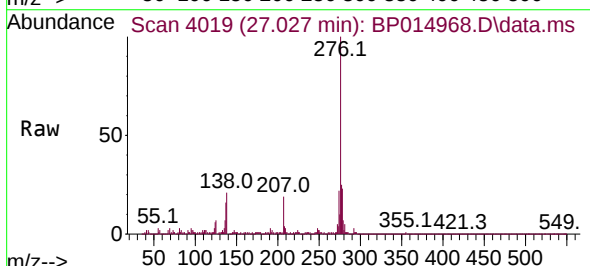
Tgt Ion:276 Resp: 3114592

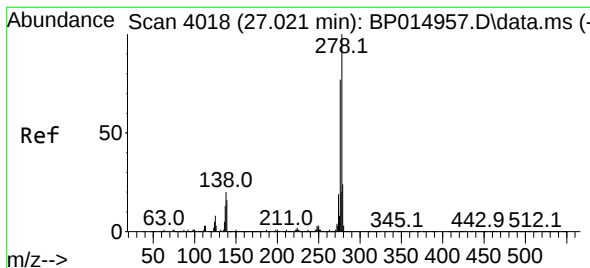
Ion Ratio Lower Upper

276 100

138 21.5 19.4 29.0

277 25.3 19.4 29.2





#95

Dibenzo(a,h)anthracene

Concen: 11.729 ng/ul

RT: 27.033 min Scan# 4018

Delta R.T. 0.018 min

Lab File: BP014968.D

Acq: 04 May 2023 23:54

Instrument :

BNP_P

ClientSampleId :

EW949

Tgt Ion:278 Resp: 791918

Ion Ratio Lower Upper

278 100

139 0.0 12.9 19.3

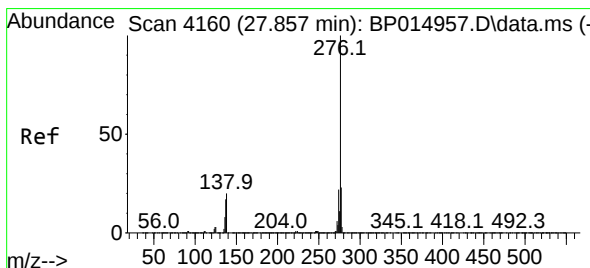
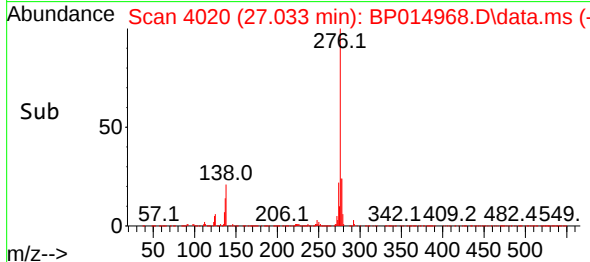
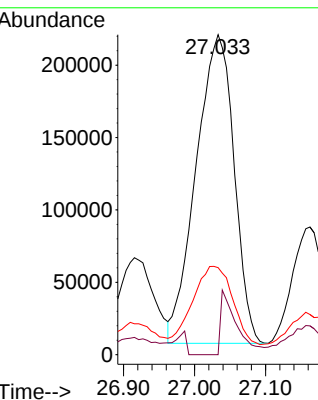
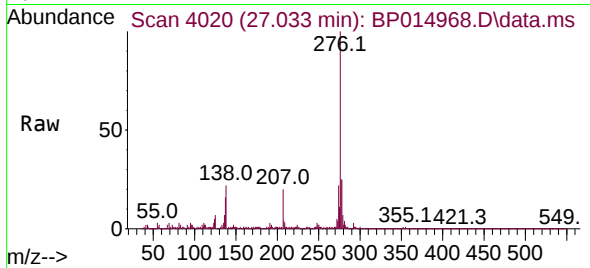
279 27.2 19.0 28.6

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#96

Benzo(g,h,i)perylene

Concen: 39.920 ng/ul

RT: 27.886 min Scan# 4165

Delta R.T. 0.041 min

Lab File: BP014968.D

Acq: 04 May 2023 23:54

Tgt Ion:276 Resp: 2798775

Ion Ratio Lower Upper

276 100

138 22.1 18.0 27.0

277 24.4 19.8 29.8

