

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014969.D
 Acq On : 05 May 2023 00:28
 Operator : CG/JU
 Sample : 02479-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW974

Manual Integrations
 APPROVED

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

Quant Time: May 05 01:18:12 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	8.169	152	242327	20.000	ng/u1	0.00
20) Naphthalene-d8	11.004	136	919786	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	520835	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.569	188	1156863	20.000	ng/u1	0.00
79) Chrysene-d12	21.651	240	1027904	20.000	ng/u1	0.00
88) Perylene-d12	24.256	264	1279763	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.463	96	17292	2.653	ng/uL	0.00
4) Pyridine-d5	3.928	84	12109m	0.680	ng/u1	0.03
7) Phenol-d5	7.316	99	268080	12.760	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.481	67	179009	13.785	ng/u1	0.00
11) 2-Chlorophenol-d4	7.693	132	226650	14.672	ng/u1	0.00
15) 4-Methylphenol-d8	8.875	113	187158	11.560	ng/u1	0.00
21) Nitrobenzene-d5	9.345	128	104182	15.926	ng/u1	0.00
24) 2-Nitrophenol-d4	10.075	143	105671	15.731	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.616	165	189635	14.378	ng/u1	0.00
31) 4-Chloroaniline-d4	11.139	131	182924	9.589	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	588182	15.956	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	736956	16.670	ng/u1	0.00
54) 4-Nitrophenol-d4	14.998	143	21086m	3.288	ng/u1	0.01
60) Fluorene-d10	15.804	176	544833	17.180	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.922	200	10433	1.602	ng/u1	0.01
73) Anthracene-d10	17.669	188	884683	17.020	ng/u1	0.00
81) Pyrene-d10	19.886	212	1017449	14.676	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.086	264	1059766	16.996	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	11.057	128	106560	2.108	ng/u1	99
36) 2-Methylnaphthalene	12.651	142	49736	1.591	ng/u1	97
37) 1-Methylnaphthalene	12.869	142	46571	1.445	ng/u1	97
50) Acenaphthylene	14.533	152	72659	1.450	ng/u1#	96
52) Acenaphthene	14.875	153	285564	8.233	ng/u1	98
56) Dibenzofuran	15.210	168	250117	5.344	ng/u1	98
61) Fluorene	15.857	166	319678	8.659	ng/u1	100
72) Phenanthrene	17.616	178	5049957	79.014	ng/u1	99
74) Anthracene	17.704	178	1266287	19.901	ng/u1	100
77) Carbazole	17.963	167	583400	10.901	ng/u1	100
80) Fluoranthene	19.563	202	7814438	91.860	ng/u1	98
82) Pyrene	19.915	202	6724361	74.609	ng/u1	98
85) Benzo(a)anthracene	21.633	228	3690246	53.786	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.527	149	53070	1.559	ng/u1#	91
87) Chrysene	21.692	228	3445296	49.872	ng/u1	97
90) Benzo(b)fluoranthene	23.456	252	4819572	58.271	ng/u1	98
91) Benzo(k)fluoranthene	23.504	252	1859693m	22.093	ng/u1	
93) Benzo(a)pyrene	24.145	252	3578008	49.328	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.027	276	2649686	29.947	ng/u1	97
95) Dibenzo(a,h)anthracene	27.027	278	647818	8.933	ng/u1#	81
96) Benzo(g,h,i)perylene	27.886	276	2200103	29.216	ng/u1	99

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

Instrument :

BNA_P

ClientSampleId :

EW974

Manual Integrations**APPROVED**

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

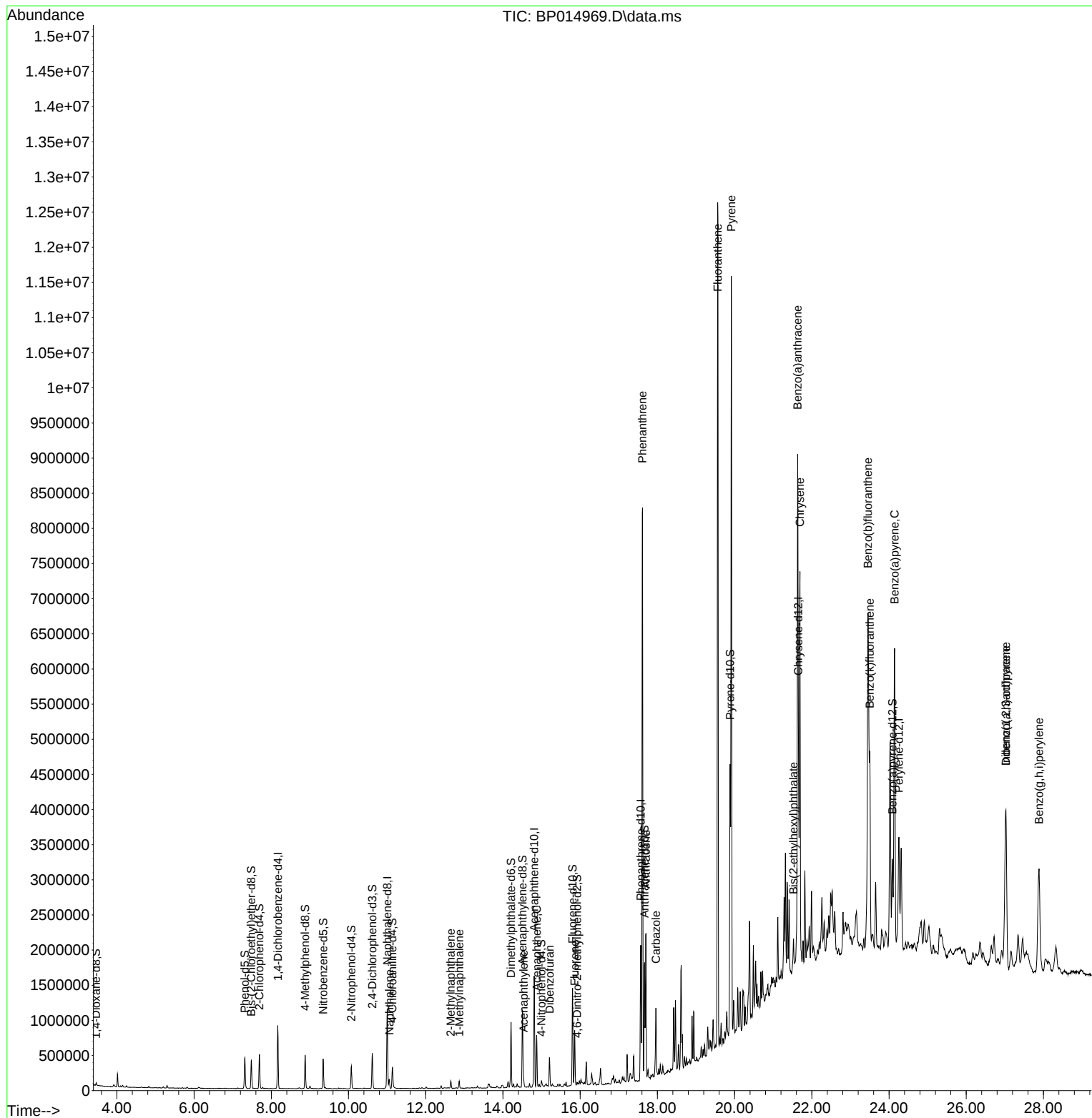
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
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 Misc :
 ALS Vial : 28 Sample Multiplier: 1

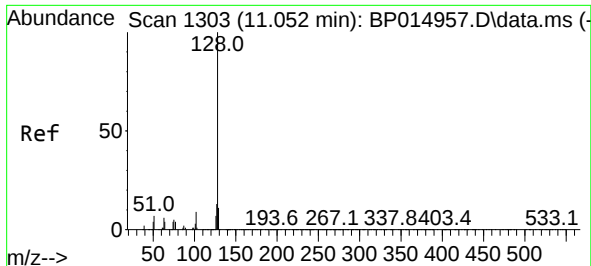
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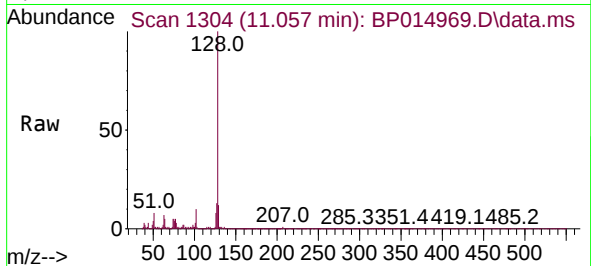
Quant Time: May 05 01:18:12 2023
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 QLast Update : Thu May 04 11:40:49 2023
 Response via : Initial Calibration





#30
Naphthalene
Concen: 2.108 ng/ul
RT: 11.057 min Scan# 1105
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

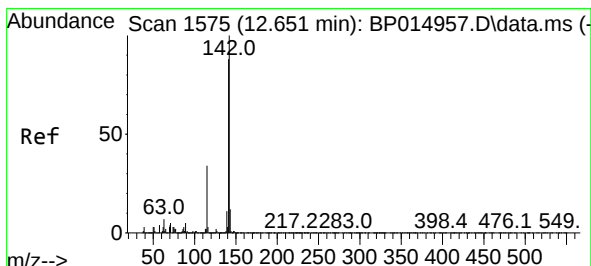
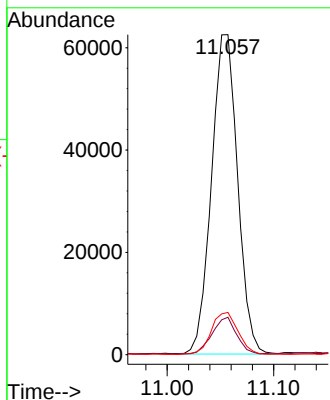
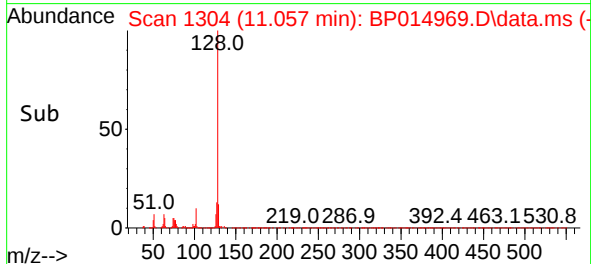
Instrument :
BNA_P
ClientSampleId :
EW974



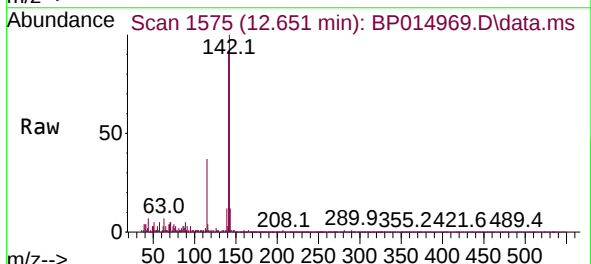
Tgt Ion:128 Resp: 106560
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.2 10.4 15.6

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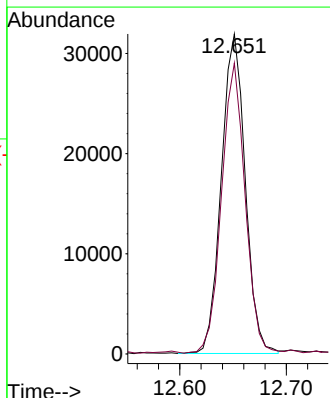
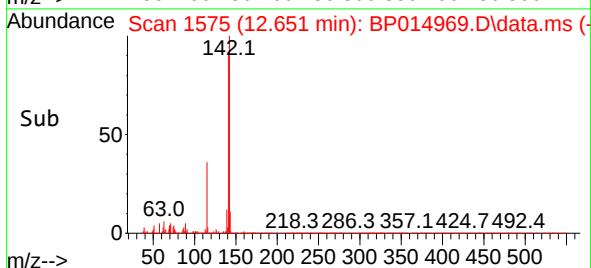
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

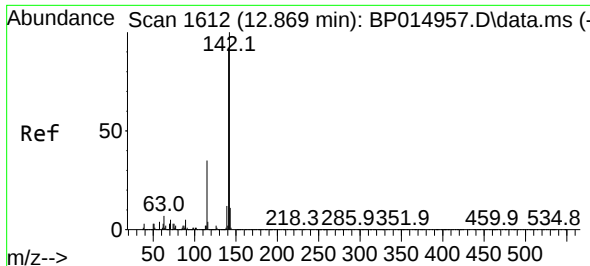


#36
2-Methylnaphthalene
Concen: 1.591 ng/ul
RT: 12.651 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28



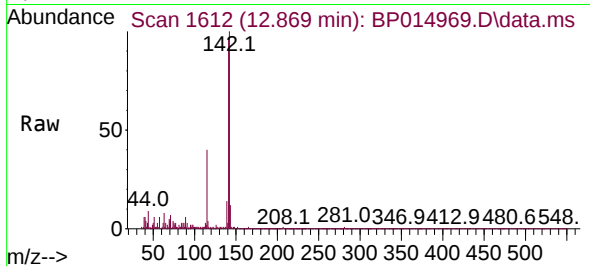
Tgt Ion:142 Resp: 49736
Ion Ratio Lower Upper
142 100
141 90.9 70.5 105.7





#37
1-Methylnaphthalene
Concen: 1.445 ng/ul
RT: 12.869 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

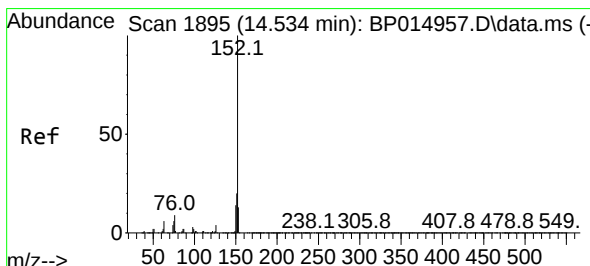
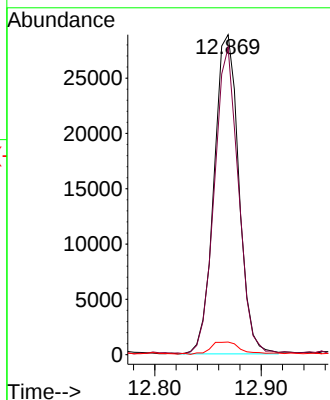
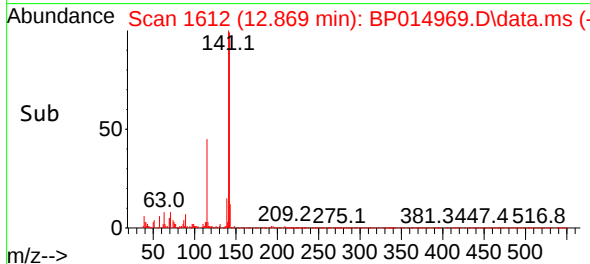
Instrument :
BNA_P
ClientSampleId :
EW974



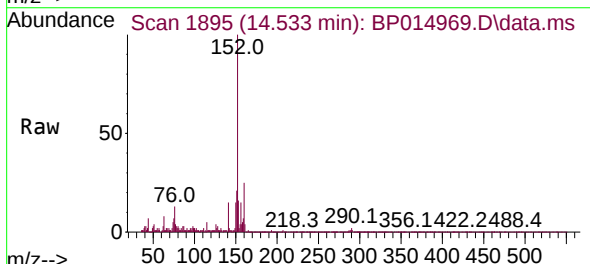
Tgt Ion:142 Resp: 4657
Ion Ratio Lower Upper
142 100
141 96.0 74.4 111.6
116 4.0 2.9 4.3

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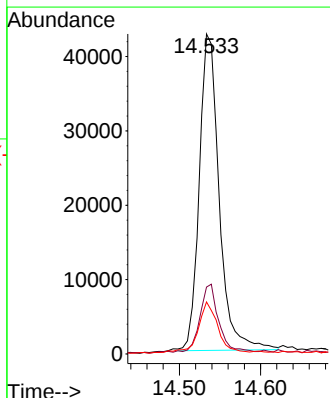
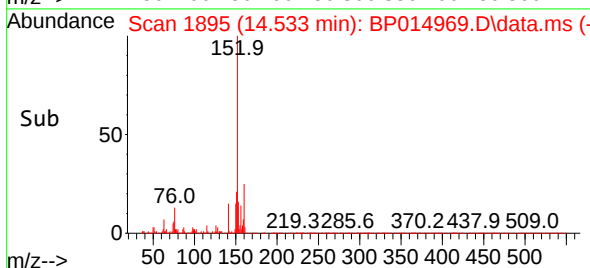
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

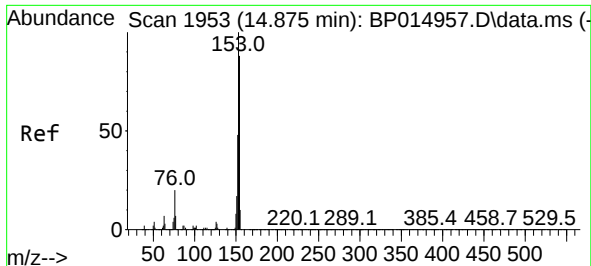


#50
Acenaphthylene
Concen: 1.450 ng/ul
RT: 14.533 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28



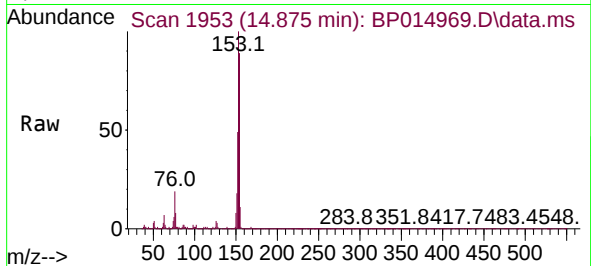
Tgt Ion:152 Resp: 72659
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1
153 16.2 10.4 15.6





#52
Acenaphthene
Concen: 8.233 ng/u1
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

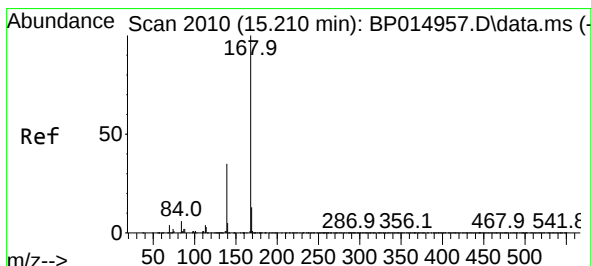
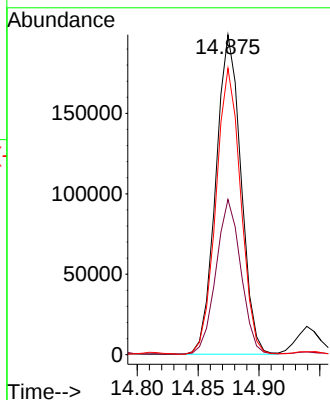
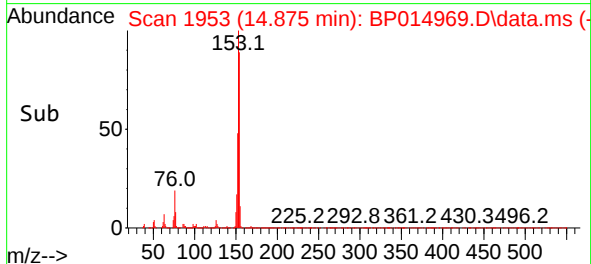
Instrument :
BNA_P
ClientSampleId :
EW974



Tgt Ion:153 Resp: 285564
Ion Ratio Lower Upper
153 100
152 48.5 38.8 58.2
154 89.5 69.6 104.4

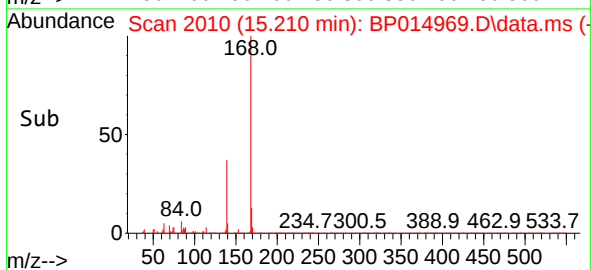
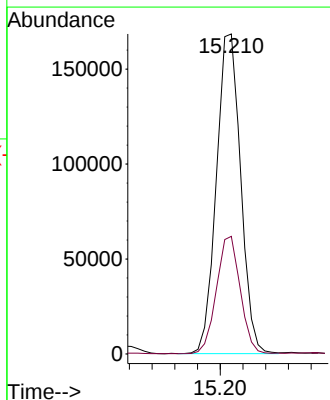
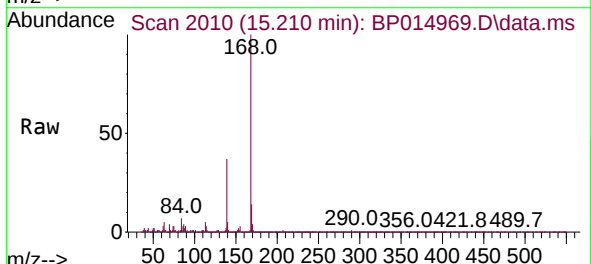
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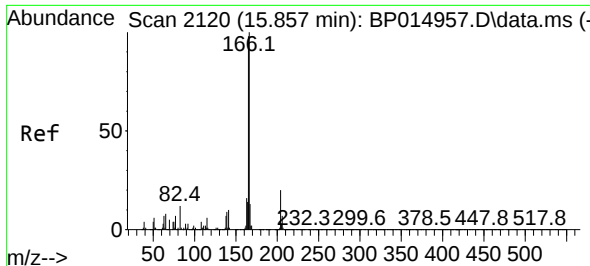
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#56
Dibenzofuran
Concen: 5.344 ng/u1
RT: 15.210 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

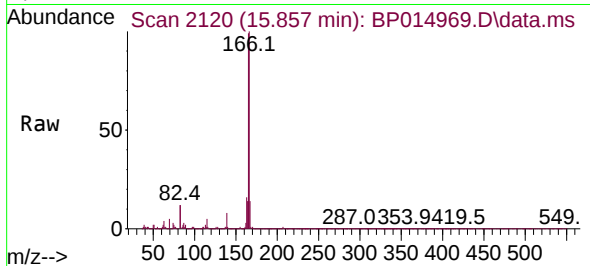
Tgt Ion:168 Resp: 250117
Ion Ratio Lower Upper
168 100
139 36.8 28.6 42.8





#61
Fluorene
Concen: 8.659 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

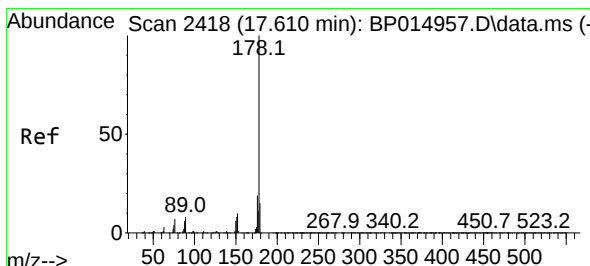
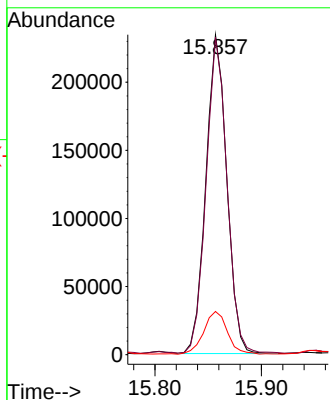
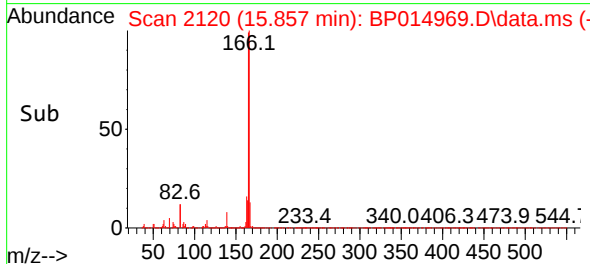
Instrument :
BNA_P
ClientSampleId :
EW974



Tgt Ion:166 Resp: 319678
Ion Ratio Lower Upper
166 100
165 99.2 79.3 118.9
167 13.5 10.7 16.1

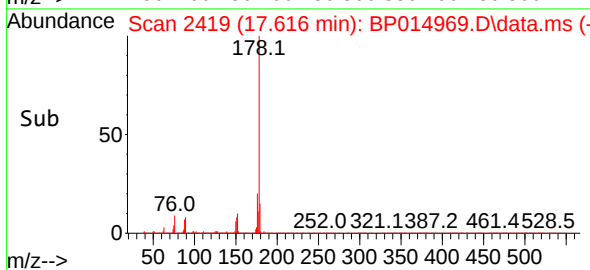
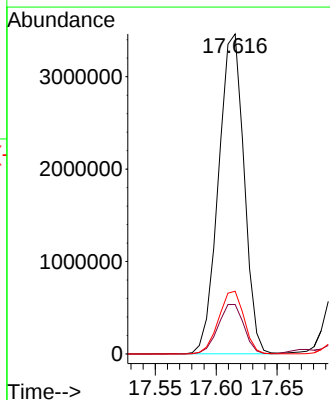
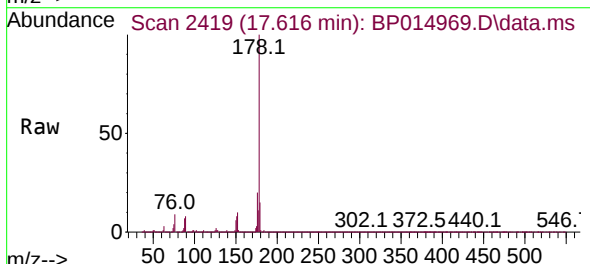
Manual Integrations
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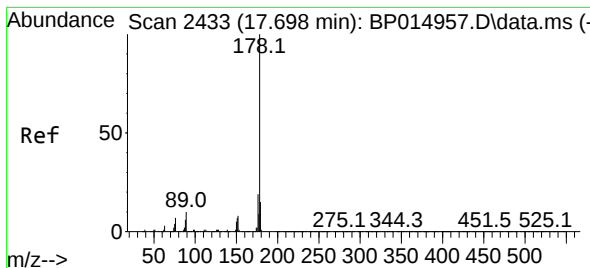
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#72
Phenanthrene
Concen: 79.014 ng/ul
RT: 17.616 min Scan# 2419
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

Tgt Ion:178 Resp: 5049957
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.4
176 19.6 15.4 23.0





#74

Anthracene

Concen: 19.901 ng/ul

RT: 17.704 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP014969.D

Acq: 05 May 2023 00:28

Instrument :

BNA_P

ClientSampleId :

EW974

Tgt Ion:178 Resp: 126628

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

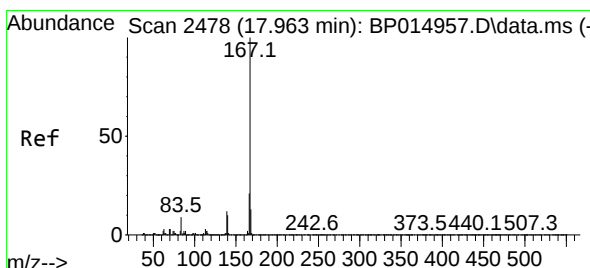
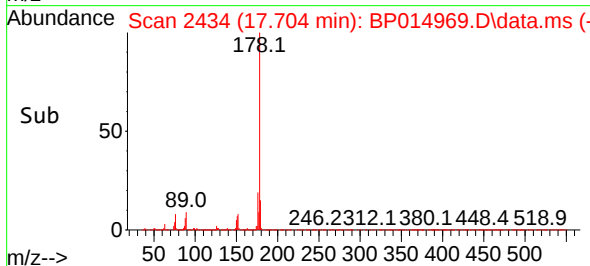
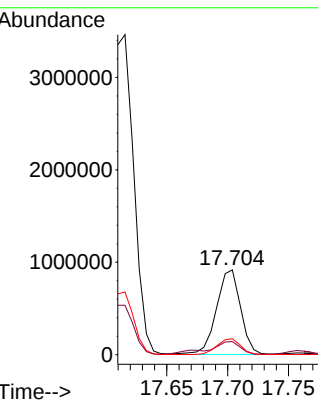
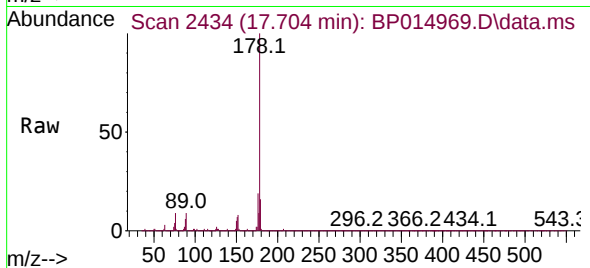
176 18.8 15.0 22.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023

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#77

Carbazole

Concen: 10.901 ng/ul

RT: 17.963 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BP014969.D

Acq: 05 May 2023 00:28

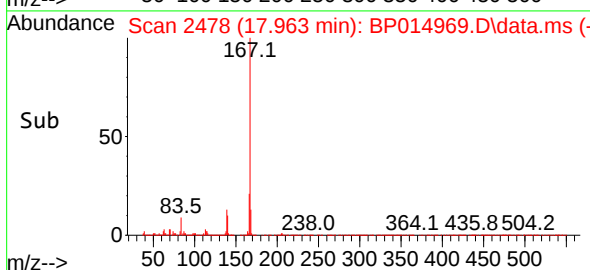
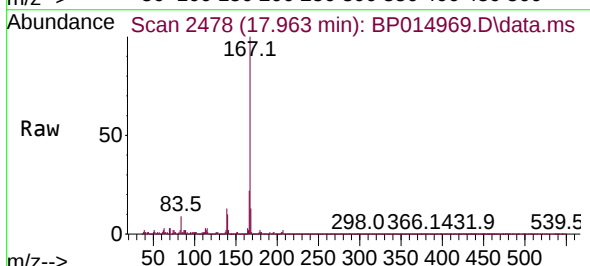
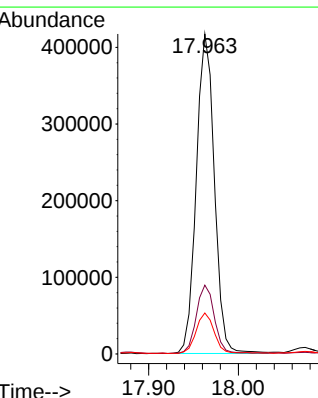
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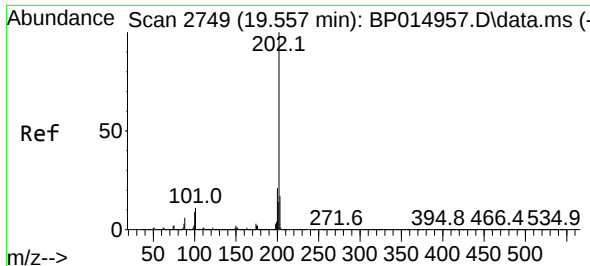
Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

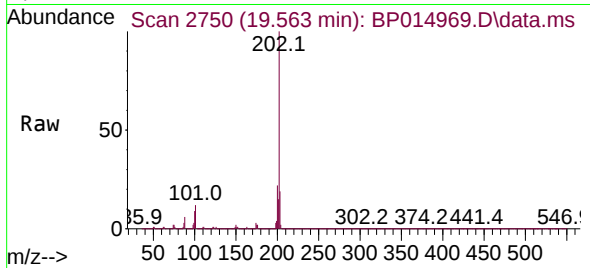
139 12.8 10.1 15.1





#80
Fluoranthene
Concen: 91.860 ng/u1
RT: 19.563 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

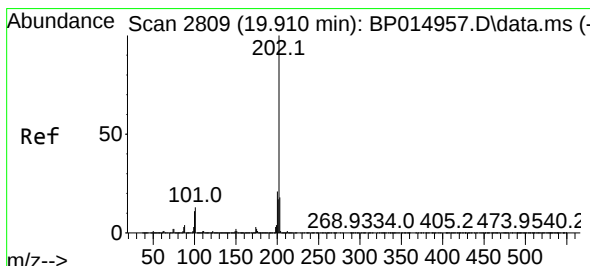
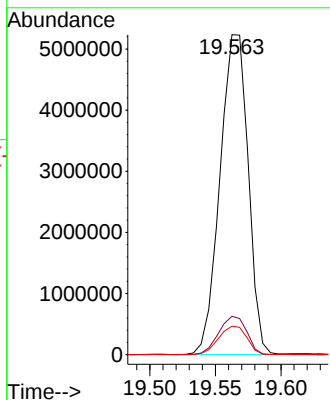
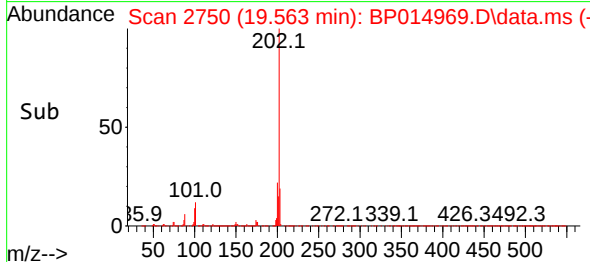
Instrument :
BNA_P
ClientSampleId :
EW974



Tgt Ion:202 Resp: 7814438
Ion Ratio Lower Upper
202 100
101 12.0 10.1 15.1
100 8.9 7.7 11.5

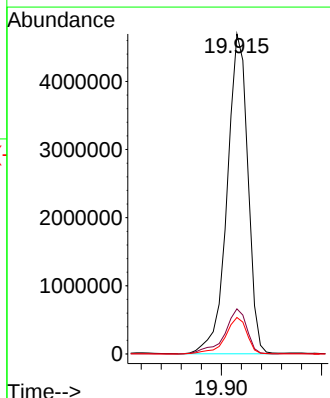
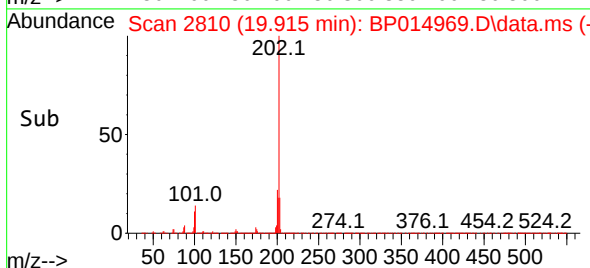
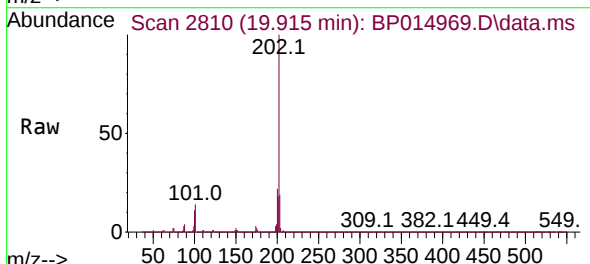
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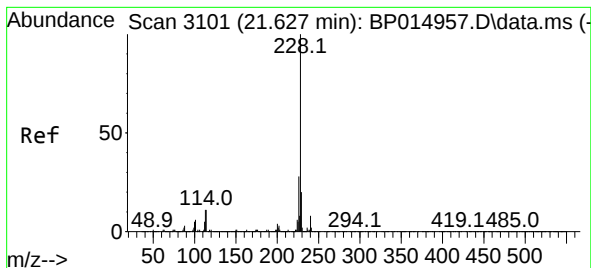
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#82
Pyrene
Concen: 74.609 ng/u1
RT: 19.915 min Scan# 2810
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

Tgt Ion:202 Resp: 6724361
Ion Ratio Lower Upper
202 100
101 14.1 11.9 17.9
100 11.4 9.7 14.5





#85

Benzo(a)anthracene

Concen: 53.786 ng/ul

RT: 21.633 min Scan# 3101

Delta R.T. 0.006 min

Lab File: BP014969.D

Acq: 05 May 2023 00:28

Instrument :

BNA_P

ClientSampleId :

EW974

Tgt Ion:228 Resp: 3690240

Ion Ratio Lower Upper

228 100

229 20.7 15.9 23.9

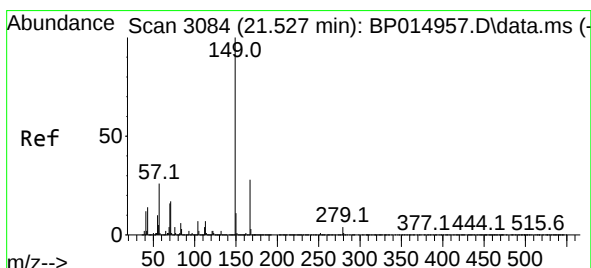
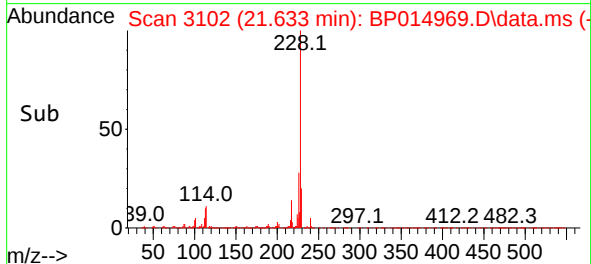
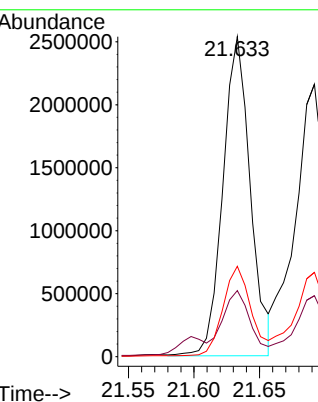
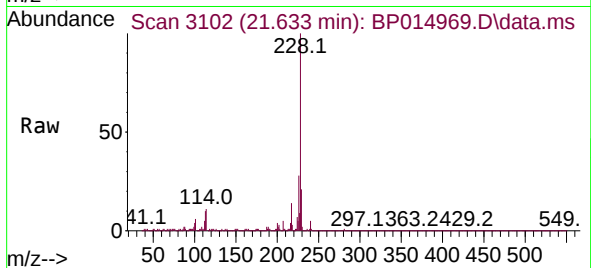
226 28.2 22.1 33.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.559 ng/ul

RT: 21.527 min Scan# 3084

Delta R.T. -0.000 min

Lab File: BP014969.D

Acq: 05 May 2023 00:28

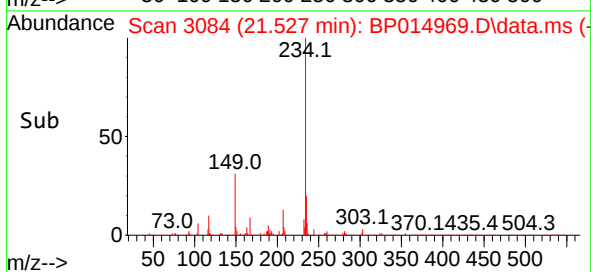
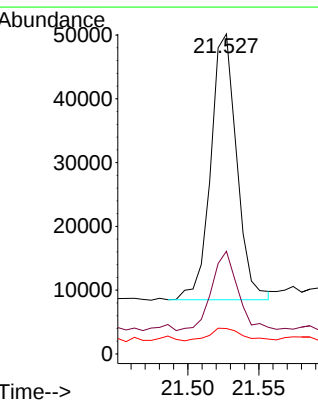
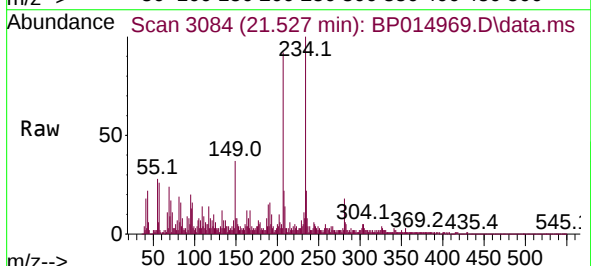
Tgt Ion:149 Resp: 53070

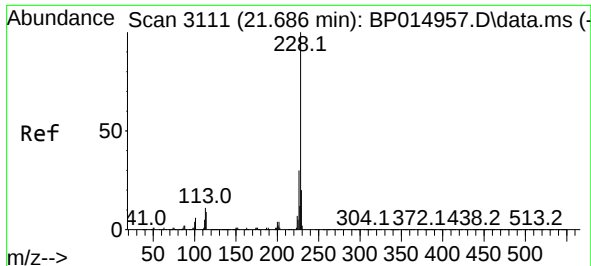
Ion Ratio Lower Upper

149 100

167 32.1 22.0 33.0

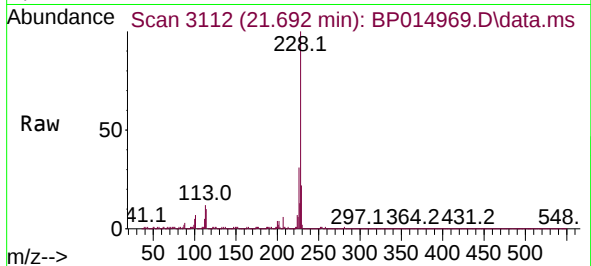
279 7.9 2.9 4.3#





#87
Chrysene
Concen: 49.872 ng/ul
RT: 21.692 min Scan# 3111
Delta R.T. 0.006 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

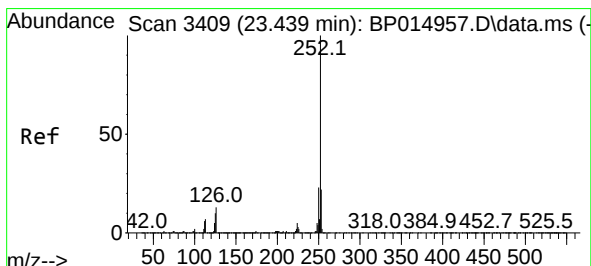
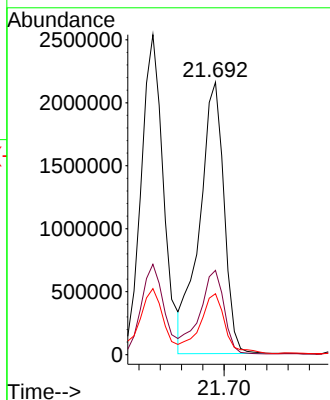
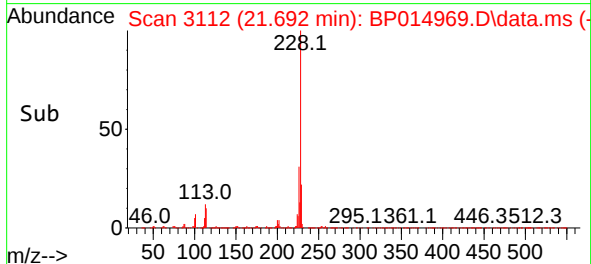
Instrument :
BNA_P
ClientSampleId :
EW974



Tgt Ion:228 Resp: 3445290
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.3 15.8 23.8

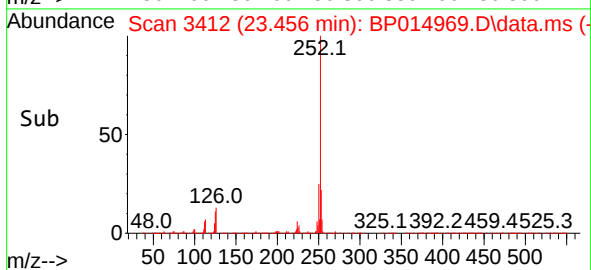
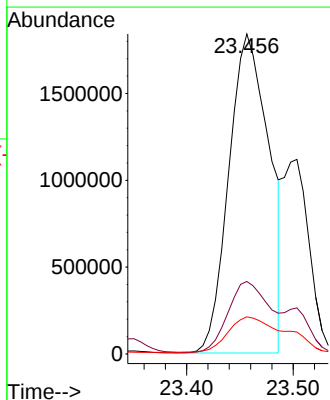
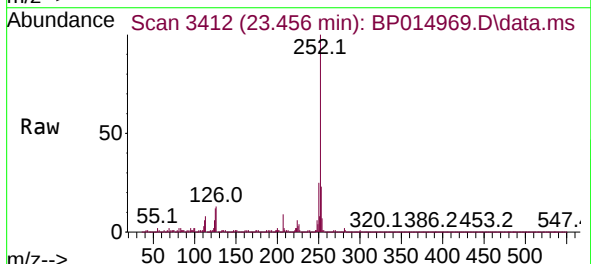
Manual Integrations
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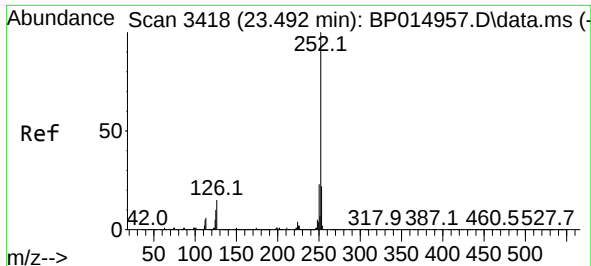
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#90
Benzo(b)fluoranthene
Concen: 58.271 ng/ul
RT: 23.456 min Scan# 3412
Delta R.T. 0.017 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

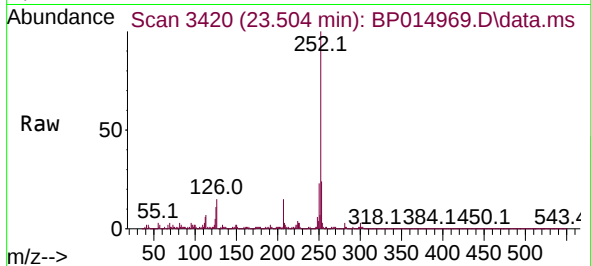
Tgt Ion:252 Resp: 4819572
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 11.6 8.4 12.6





#91
Benzo(k)fluoranthene
Concen: 22.093 ng/ul m
RT: 23.504 min Scan# 3418
Delta R.T. 0.011 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

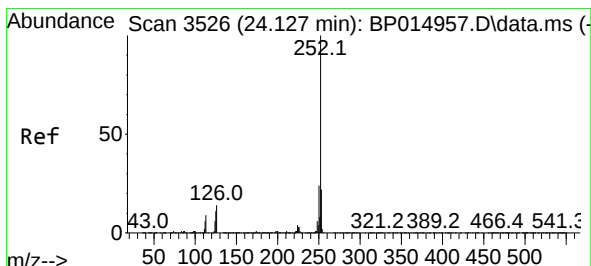
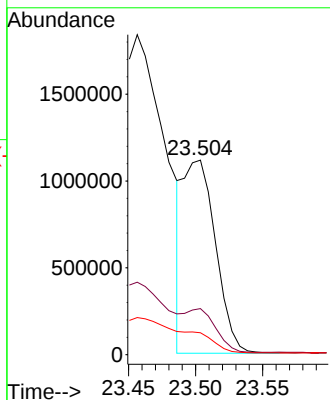
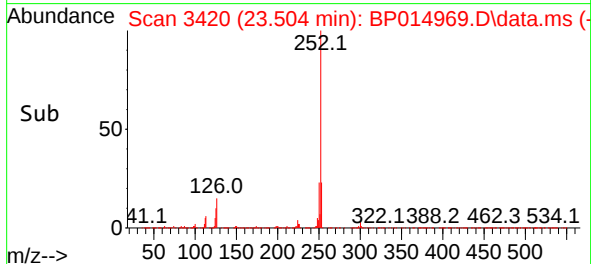
Instrument :
BNA_P
ClientSampleId :
EW974



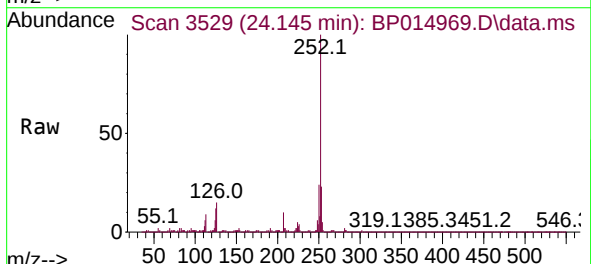
Tgt Ion:252 Resp: 185969
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 11.3 8.9 13.3

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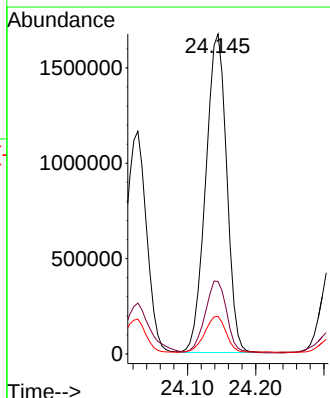
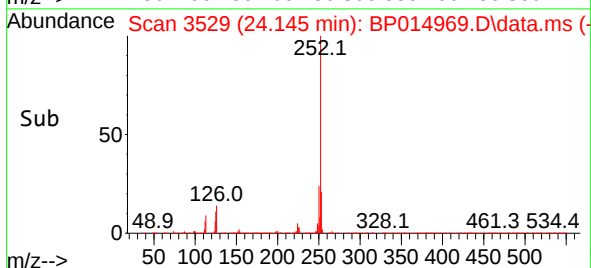
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

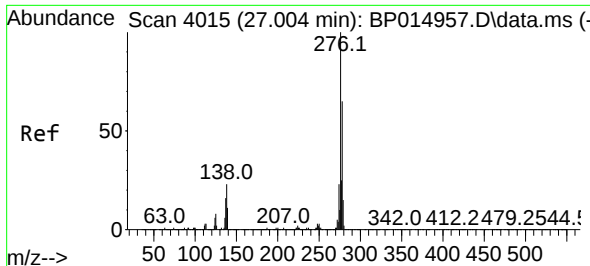


#93
Benzo(a)pyrene
Concen: 49.328 ng/ul
RT: 24.145 min Scan# 3529
Delta R.T. 0.017 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28



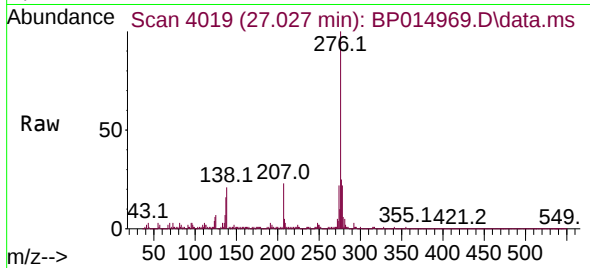
Tgt Ion:252 Resp: 3578008
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.7 9.4 14.2





#94
Indeno(1,2,3-cd)pyrene
Concen: 29.947 ng/ul
RT: 27.027 min Scan# 4015
Delta R.T. 0.029 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

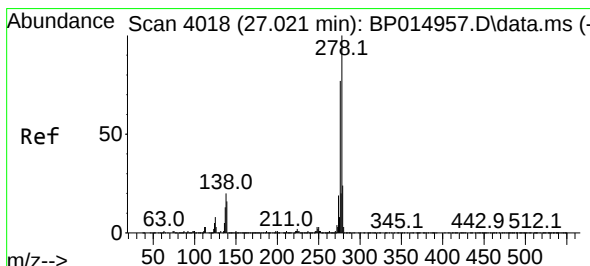
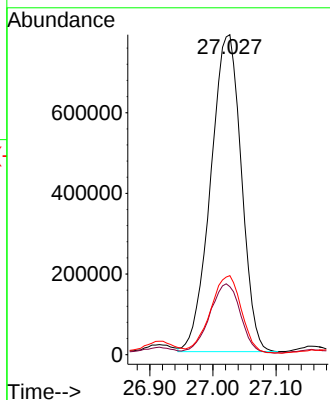
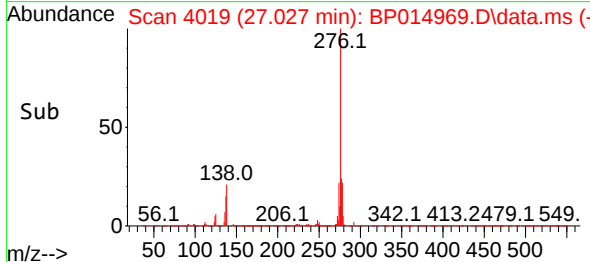
Instrument :
BNA_P
ClientSampleId :
EW974



Tgt Ion:276 Resp: 264968
Ion Ratio Lower Upper
276 100
138 21.3 19.4 29.0
277 24.7 19.4 29.2

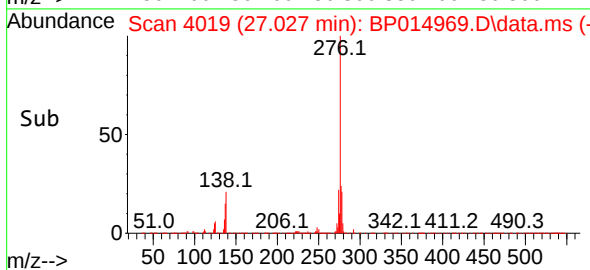
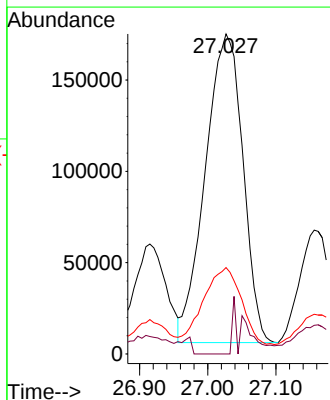
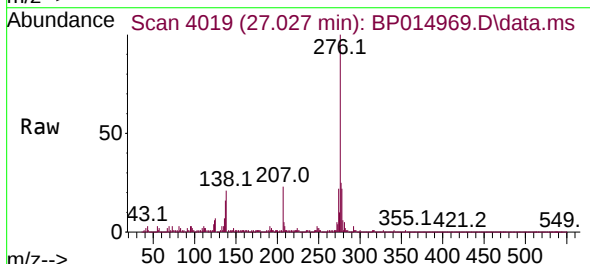
Manual Integrations
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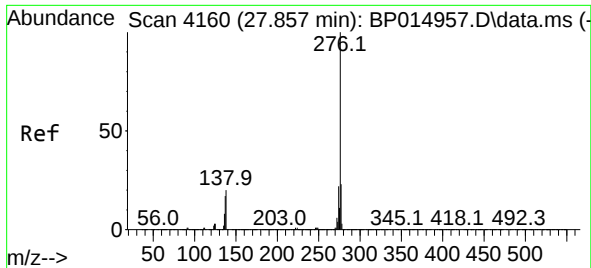
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#95
Dibenzo(a,h)anthracene
Concen: 8.933 ng/ul
RT: 27.027 min Scan# 4019
Delta R.T. 0.011 min
Lab File: BP014969.D
Acq: 05 May 2023 00:28

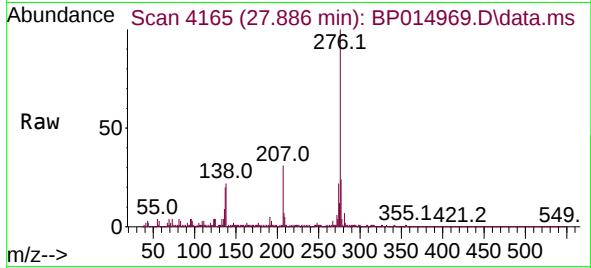
Tgt Ion:278 Resp: 647818
Ion Ratio Lower Upper
278 100
139 0.0 12.9 19.3#
279 27.0 19.0 28.6





#96
 Benzo(g,h,i)perylene
 Concen: 29.216 ng/ul
 RT: 27.886 min Scan# 4165
 Delta R.T. 0.041 min
 Lab File: BP014969.D
 Acq: 05 May 2023 00:28

Instrument :
 BNA_P
 ClientSampleId :
 EW974



Tgt Ion: 276 Resp: 220010

Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.0	27.0
277	24.4	19.8	29.8

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

