

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014948.D
 Acq On : 04 May 2023 12:46
 Operator : CG/JU
 Sample : 02447-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW933

Manual Integrations
 APPROVED

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

Quant Time: May 04 23:26:26 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	273397	20.000	ng/u1	0.00
20) Naphthalene-d8	10.998	136	959641	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	475177	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.563	188	982260	20.000	ng/u1	0.00
79) Chrysene-d12	21.645	240	988222	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1210366	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	17210	2.341	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.305	99	229972	9.702	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	176340	12.036	ng/u1	0.00
11) 2-Chlorophenol-d4	7.687	132	195656	11.226	ng/u1	0.00
15) 4-Methylphenol-d8	8.869	113	142738	7.814	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	97393	14.270	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	89175	12.724	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	146506	10.647	ng/u1	0.00
31) 4-Chloroaniline-d4	11.140	131	69964	3.515	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	485409	14.434	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	572583	14.196	ng/u1	0.00
54) 4-Nitrophenol-d4	14.986	143	20681	3.535	ng/u1	0.00
60) Fluorene-d10	15.798	176	425186	14.695	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.916	200	20871	3.774	ng/u1	0.00
73) Anthracene-d10	17.663	188	669137	15.161	ng/u1	0.00
81) Pyrene-d10	19.880	212	866356	12.998	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.080	264	946714	16.053	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	7.334	94	29752	1.196	ng/u1	94
16) Acetophenone	8.999	105	121188	4.058	ng/u1	98
30) Naphthalene	11.051	128	64721	1.227	ng/u1	98
36) 2-Methylnaphthalene	12.645	142	40605	1.245	ng/u1	99
47) Dimethylphthalate	14.251	163	123283	3.486	ng/u1	99
50) Acenaphthylene	14.534	152	155744	3.406	ng/u1	98
52) Acenaphthene	14.875	153	94570	2.989	ng/u1	98
56) Dibenzofuran	15.204	168	92080	2.157	ng/u1	98
61) Fluorene	15.857	166	105032	3.118	ng/u1	97
72) Phenanthrene	17.610	178	1243513	22.915	ng/u1	100
74) Anthracene	17.698	178	328439	6.079	ng/u1	100
77) Carbazole	17.963	167	100162	2.204	ng/u1	96
78) Di-n-butylphthalate	18.492	149	912437	17.957	ng/u1	100
80) Fluoranthene	19.557	202	2540902	31.068	ng/u1	100
82) Pyrene	19.910	202	2715285	31.337	ng/u1	100
83) Butylbenzylphthalate	20.763	149	400180	15.383	ng/u1	99
85) Benzo(a)anthracene	21.633	228	1511390	22.913	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.527	149	2602844	79.516	ng/u1	100
87) Chrysene	21.686	228	1596951	24.045	ng/u1	98
89) Di-n-octyl phthalate	22.521	149	327878	4.639	ng/u1	100
90) Benzo(b)fluoranthene	23.451	252	2161437	27.631	ng/u1	96
91) Benzo(k)fluoranthene	23.498	252	812685m	10.208	ng/u1	
93) Benzo(a)pyrene	24.133	252	1531538	22.325	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.009	276	1310330	15.658	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	27.015	278	345351	5.035	ng/ul#	82
96) Benzo(g,h,i)perylene	27.862	276	1314277	18.453	ng/ul	99

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

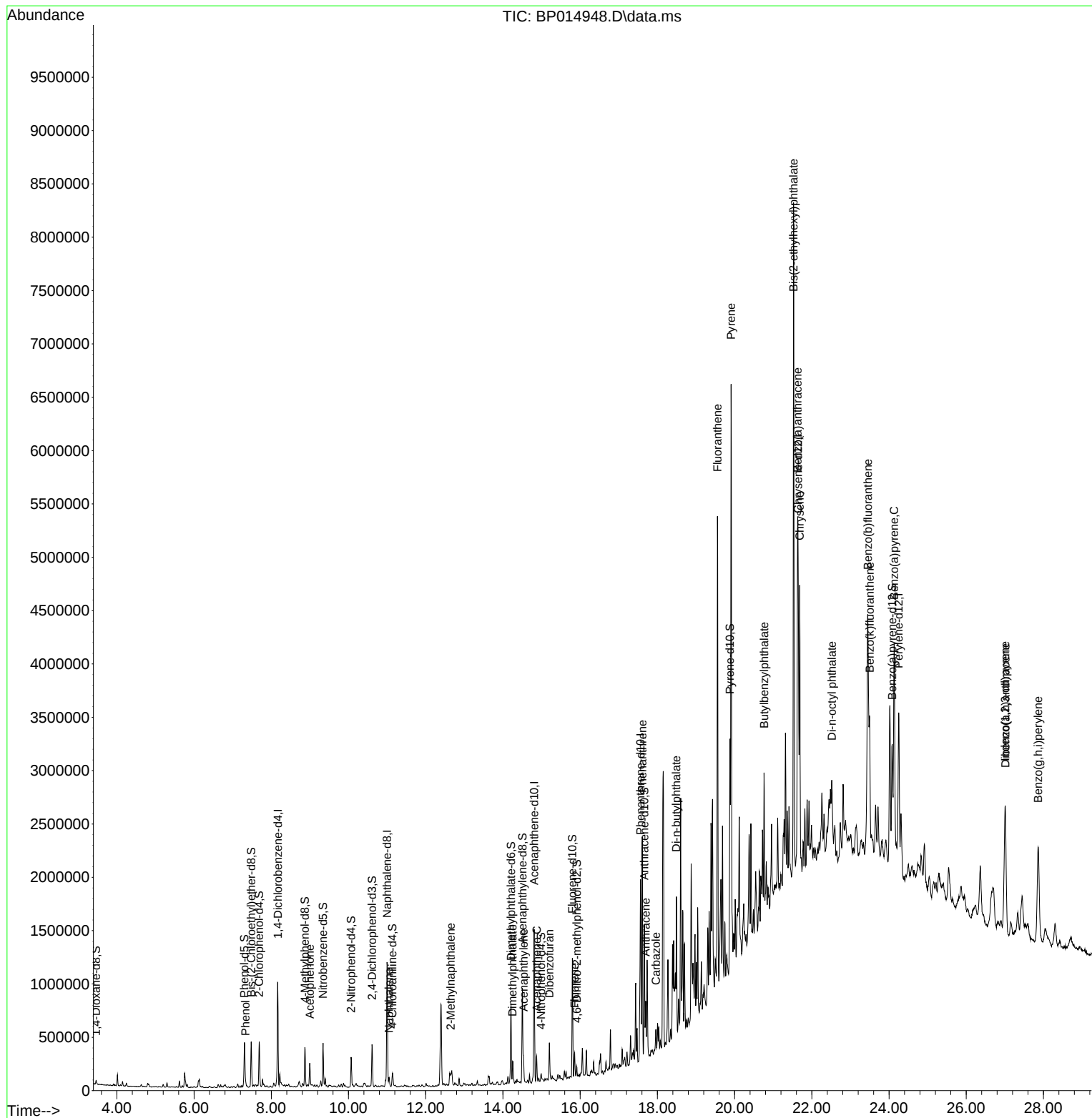
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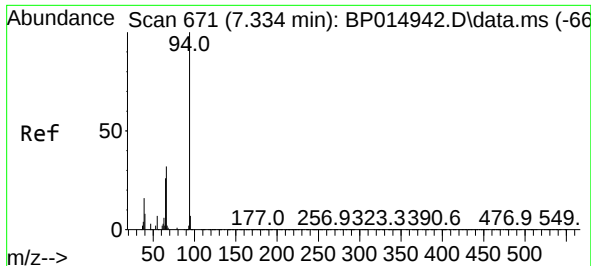
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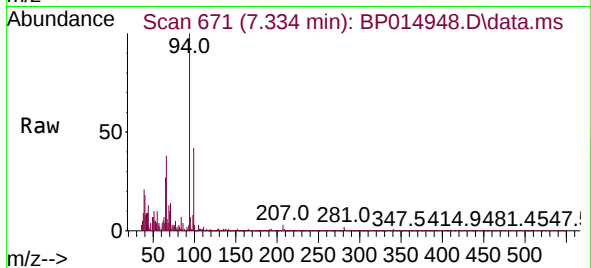
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#8
Phenol
Concen: 1.196 ng/ul
RT: 7.334 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

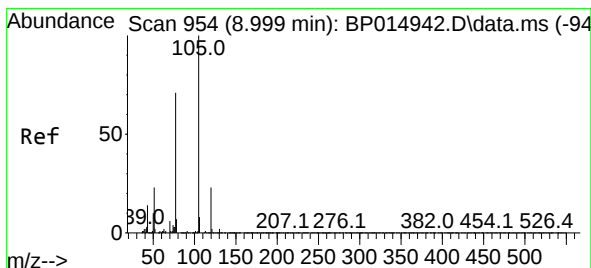
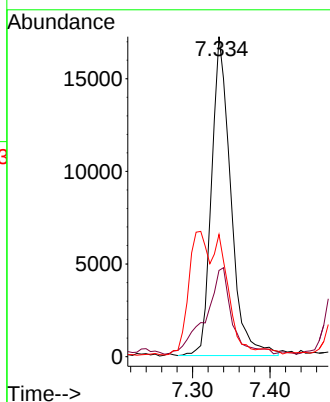
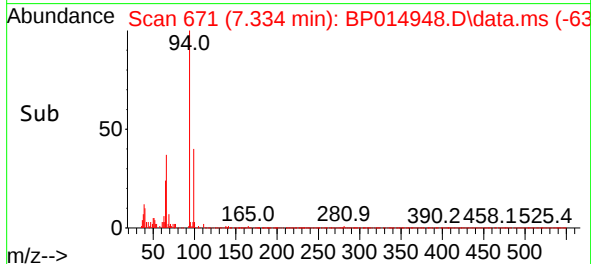
Instrument :
BNA_P
Client SampleId :
EW933



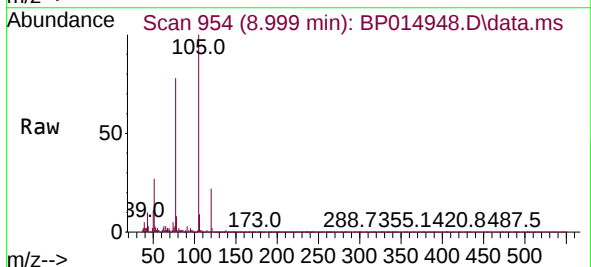
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Ion Ratio Lower Upper
94 100
65 27.0 21.4 32.0
66 38.2 25.8 38.8

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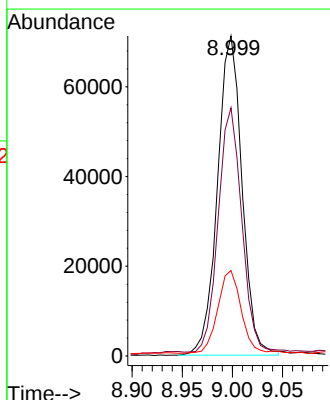
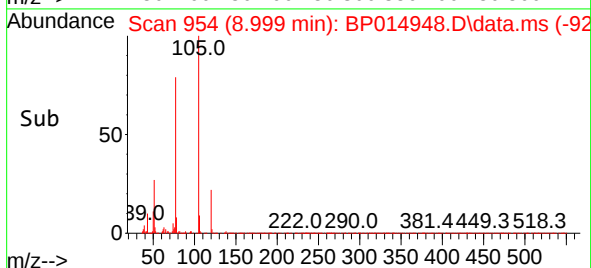
Reviewed By :Christian Giraldo 05/05/2023
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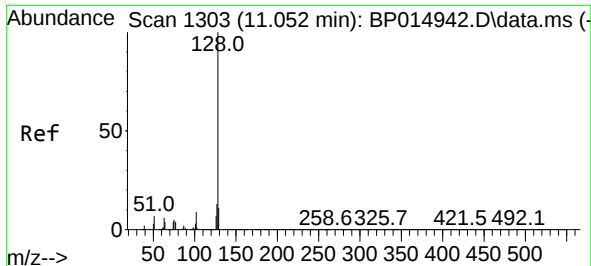


#16
Acetophenone
Concen: 4.058 ng/ul
RT: 8.999 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46



Tgt Ion:105 Resp: 121188
Ion Ratio Lower Upper
105 100
77 77.6 61.2 91.8
51 26.7 19.4 29.2





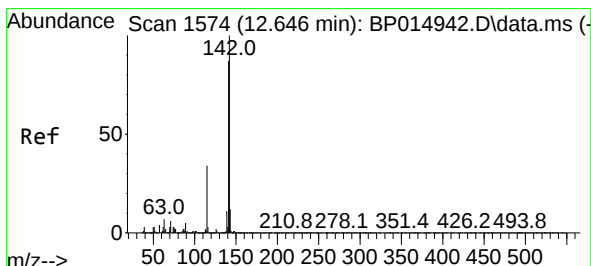
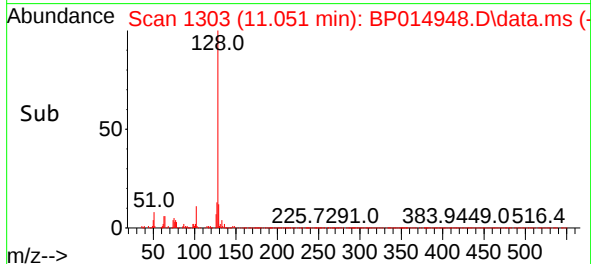
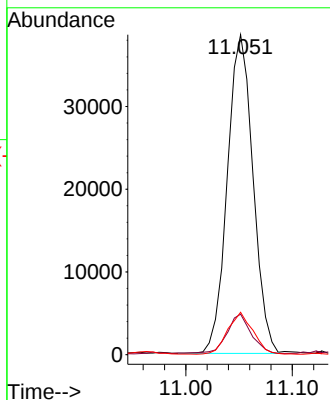
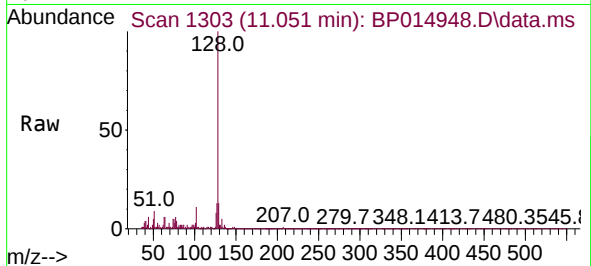
#30
Naphthalene
Concen: 1.227 ng/ul
RT: 11.051 min Scan# 1103
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Instrument :
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ClientSampleId :
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Tgt Ion:128 Resp: 6472
Ion Ratio Lower Upper
128 100
129 12.7 8.7 13.1
127 13.3 10.4 15.6

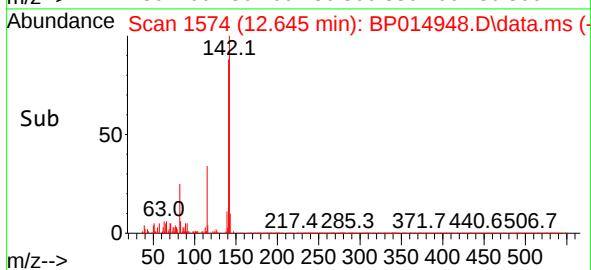
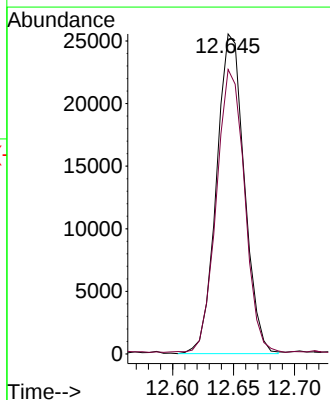
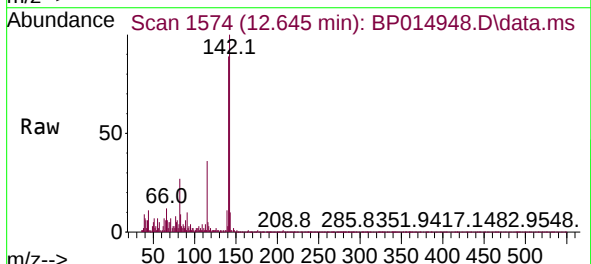
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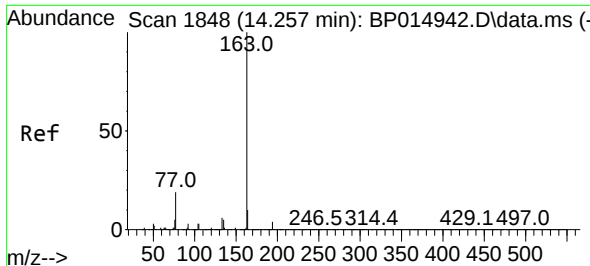
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#36
2-Methylnaphthalene
Concen: 1.245 ng/ul
RT: 12.645 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Tgt Ion:142 Resp: 40605
Ion Ratio Lower Upper
142 100
141 88.9 70.5 105.7





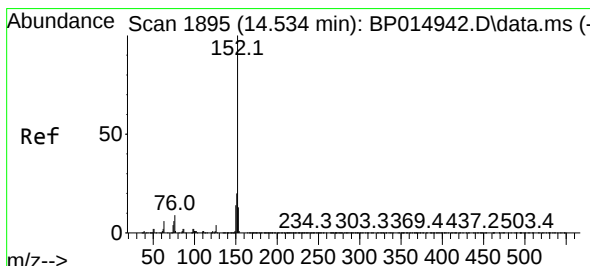
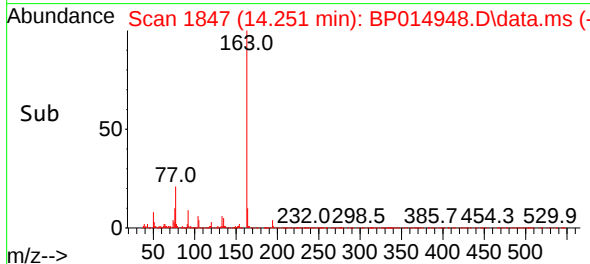
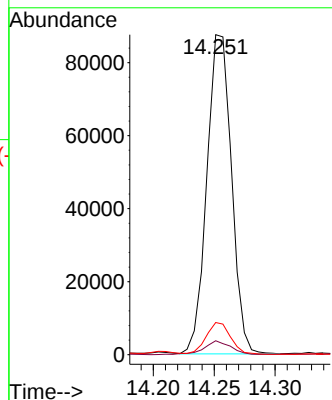
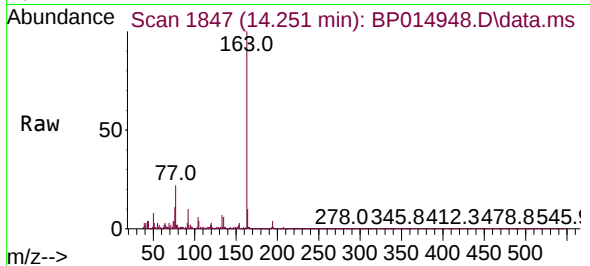
#47
Dimethylphthalate
Concen: 3.486 ng/ul
RT: 14.251 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Instrument :
BNA_P
ClientSampleId :
EW933

Tgt Ion:163 Resp: 12328
Ion Ratio Lower Upper
163 100
194 4.4 3.1 4.7
164 10.1 8.0 12.0

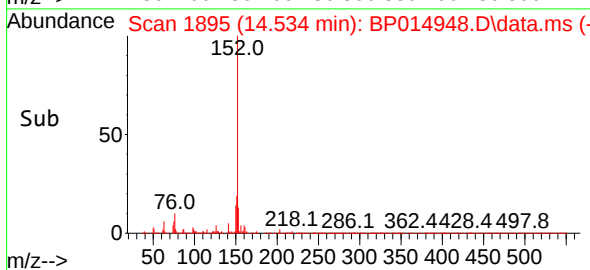
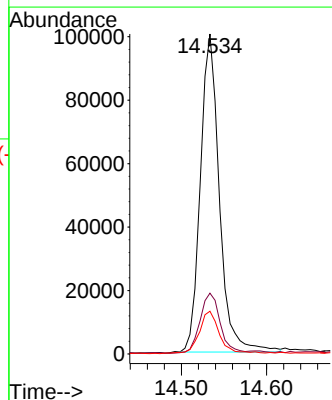
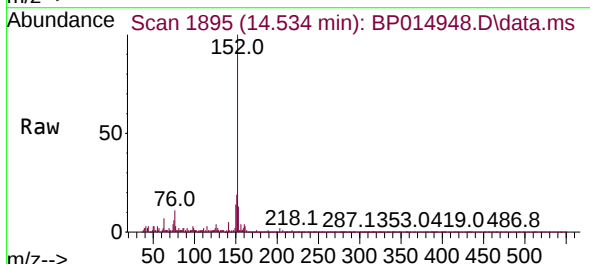
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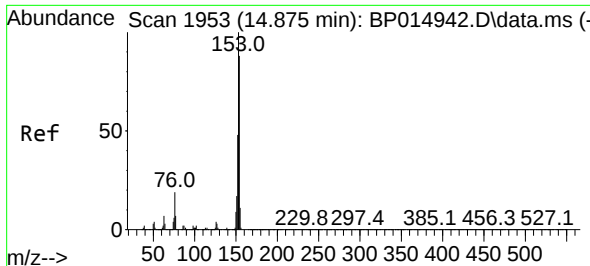
Reviewed By :Christian Giraldo 05/05/2023
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#50
Acenaphthylene
Concen: 3.406 ng/ul
RT: 14.534 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

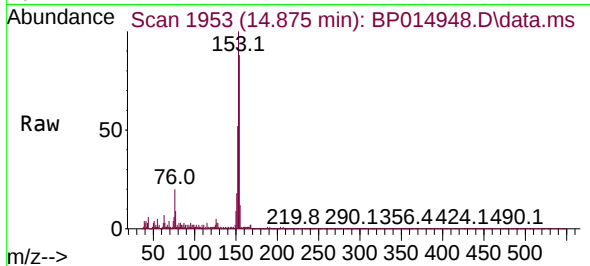
Tgt Ion:152 Resp: 155744
Ion Ratio Lower Upper
152 100
151 19.0 16.1 24.1
153 13.4 10.4 15.6





#52
Acenaphthene
Concen: 2.989 ng/ul
RT: 14.875 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

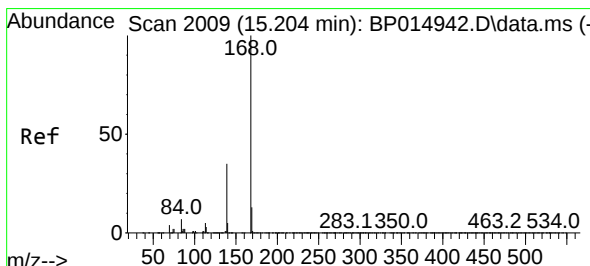
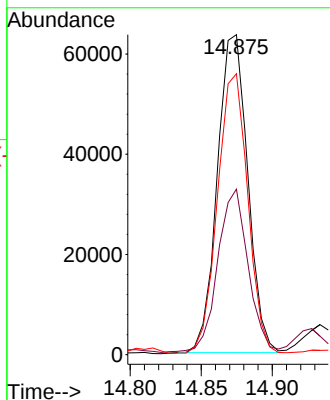
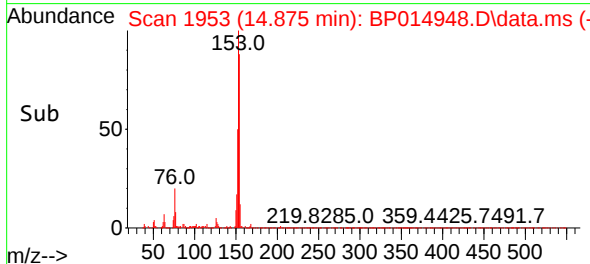
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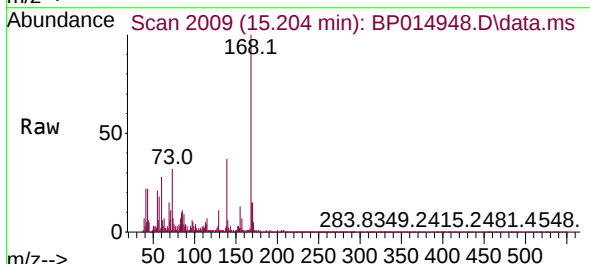
Tgt Ion:153 Resp: 94570
Ion Ratio Lower Upper
153 100
152 51.8 38.8 58.2
154 87.8 69.6 104.4

Manual Integrations
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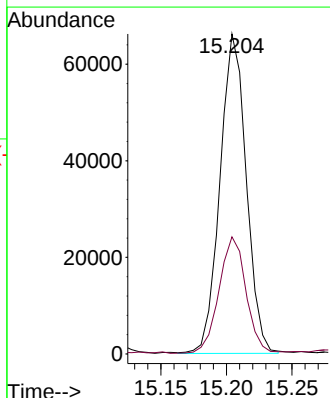
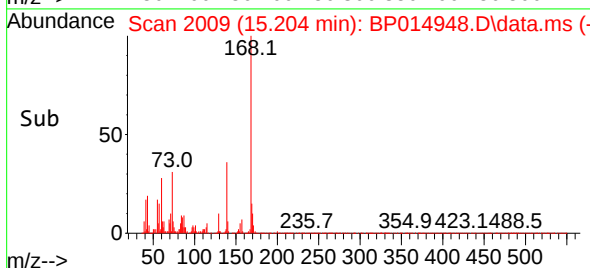
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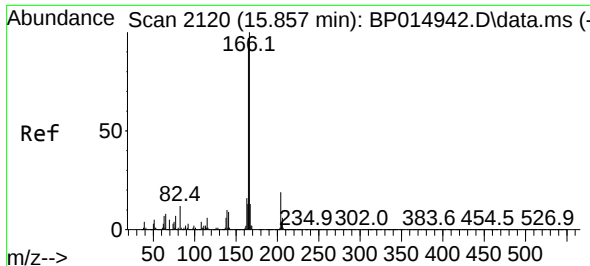


#56
Dibenzofuran
Concen: 2.157 ng/ul
RT: 15.204 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46



Tgt Ion:168 Resp: 92080
Ion Ratio Lower Upper
168 100
139 36.6 28.6 42.8





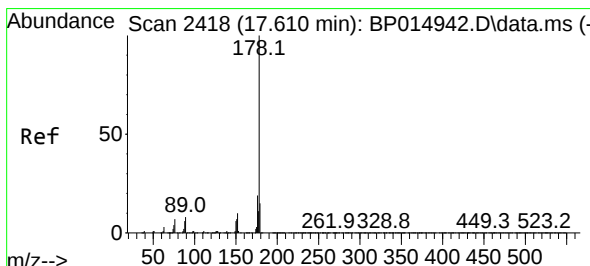
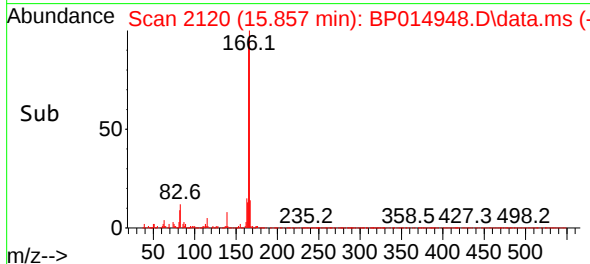
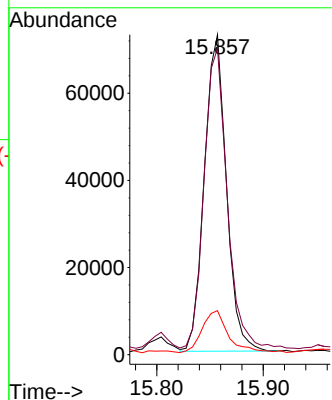
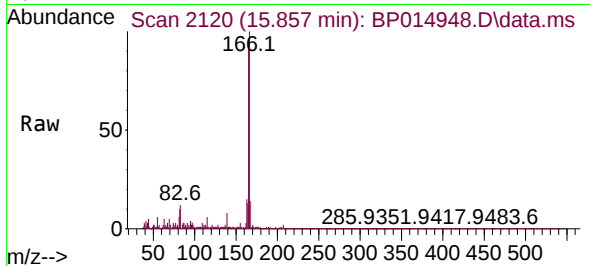
#61
Fluorene
Concen: 3.118 ng/ul
RT: 15.857 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

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Tgt Ion:166 Resp: 105032
Ion Ratio Lower Upper
166 100
165 95.8 79.3 118.9
167 13.8 10.7 16.1

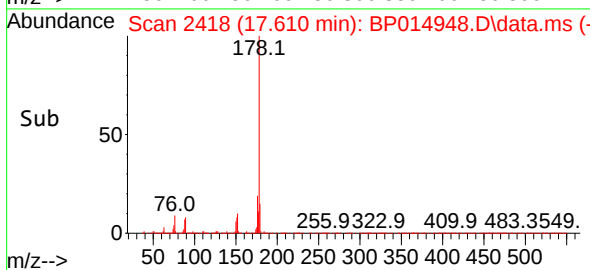
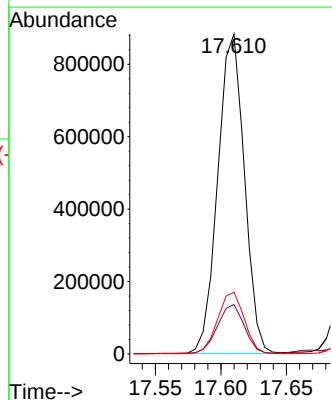
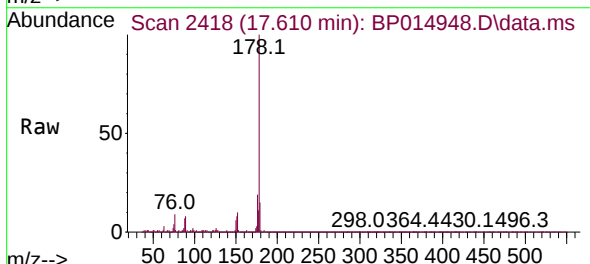
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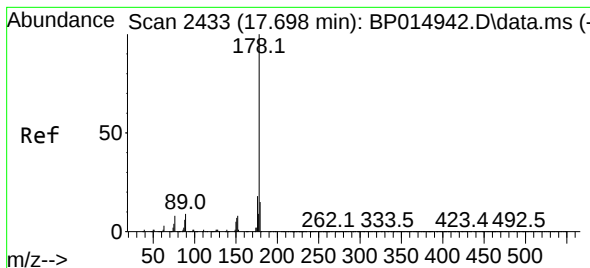
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#72
Phenanthrene
Concen: 22.915 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Tgt Ion:178 Resp: 1243513
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 19.3 15.4 23.0





#74

Anthracene

Concen: 6.079 ng/u1

RT: 17.698 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

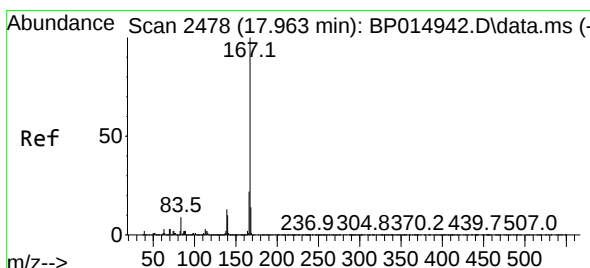
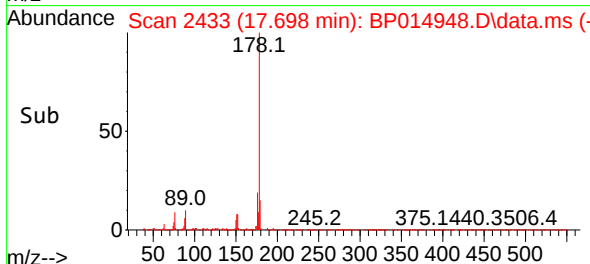
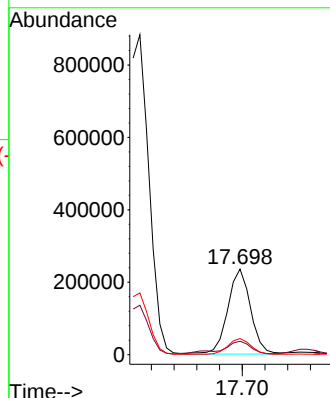
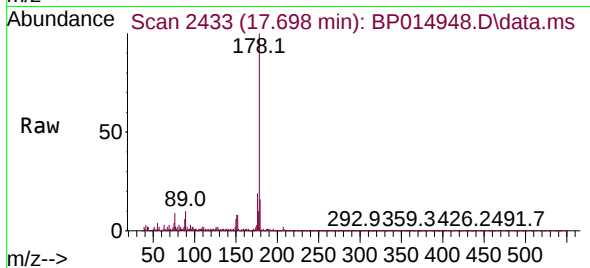
EW933

Tgt Ion:178	Resp: 328439
Ion Ratio	Lower Upper
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179 15.6	12.6 18.8
176 18.9	15.0 22.4

Manual Integrations

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#77

Carbazole

Concen: 2.204 ng/u1

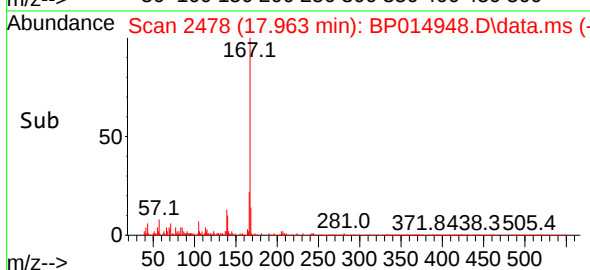
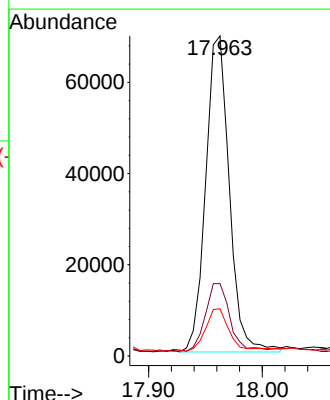
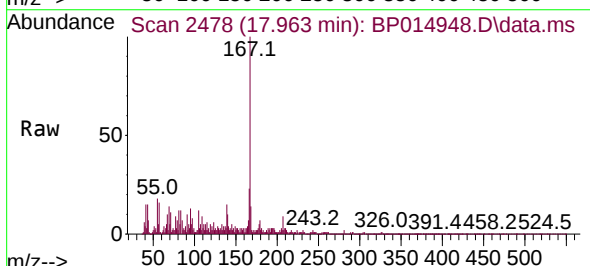
RT: 17.963 min Scan# 2478

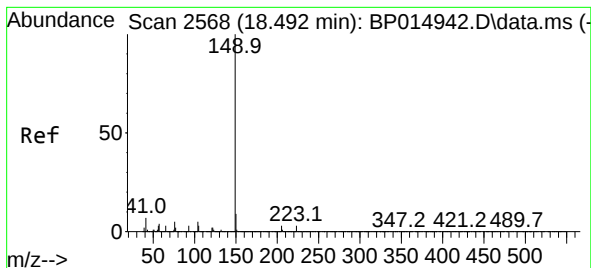
Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Tgt Ion:167	Resp: 100162
Ion Ratio	Lower Upper
167 100	
166 22.6	17.1 25.7
139 14.8	10.1 15.1





#78

Di-n-butylphthalate

Concen: 17.957 ng/ul

RT: 18.492 min Scan# 2568

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

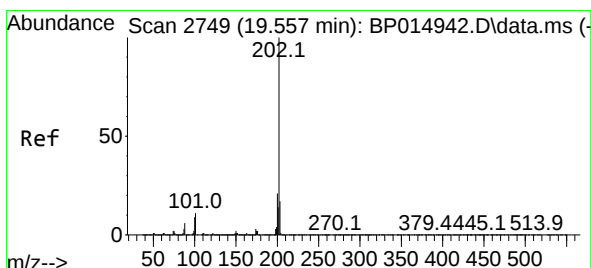
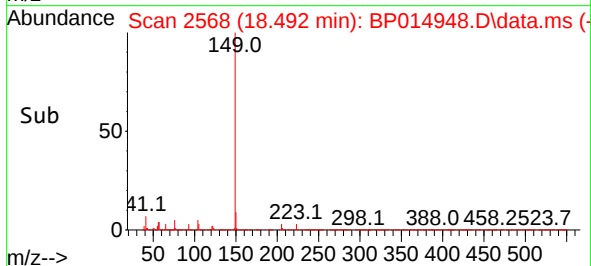
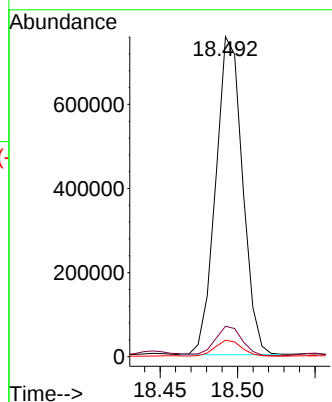
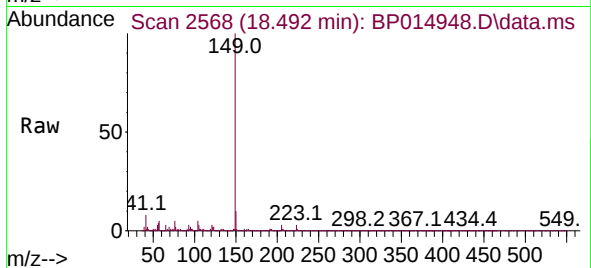
Tgt Ion:	149	Resp:	91243
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.4	11.2
104	5.1	4.1	6.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#80

Fluoranthene

Concen: 31.068 ng/ul

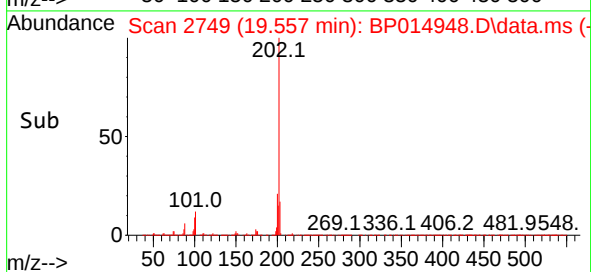
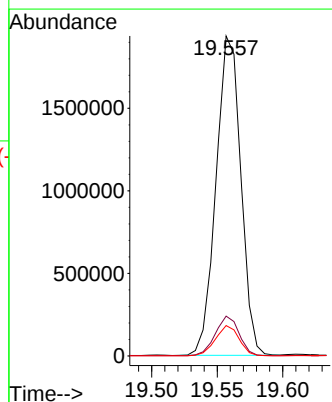
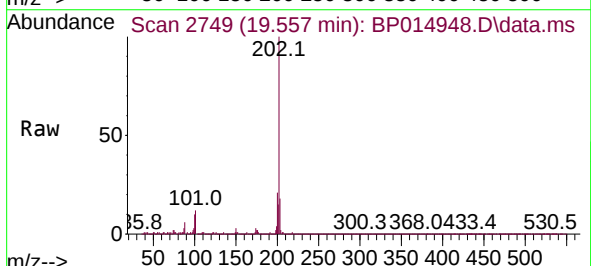
RT: 19.557 min Scan# 2749

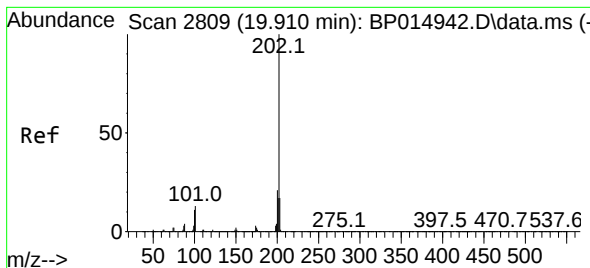
Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Tgt Ion:	202	Resp:	2540902
Ion Ratio	Lower	Upper	
202	100		
101	12.5	10.1	15.1
100	9.5	7.7	11.5





#82

Pyrene

Concen: 31.337 ng/ul

RT: 19.910 min Scan# 2809

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

Tgt Ion:202 Resp: 271528

Ion Ratio Lower Upper

202 100

101 14.7 11.9 17.9

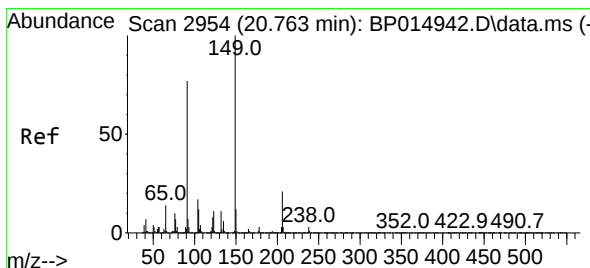
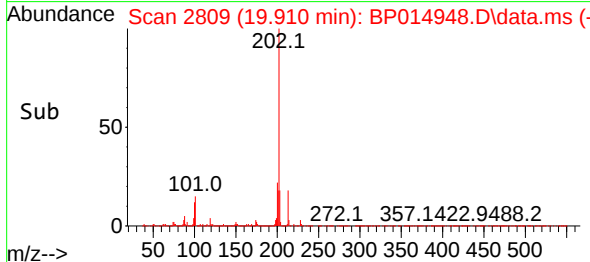
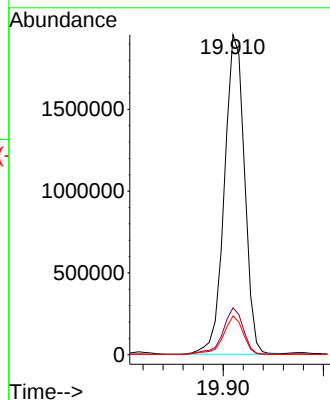
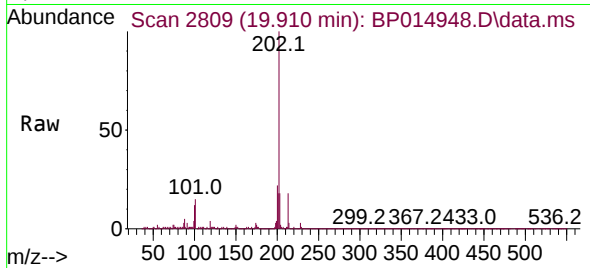
100 12.1 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#83

Butylbenzylphthalate

Concen: 15.383 ng/ul

RT: 20.763 min Scan# 2954

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

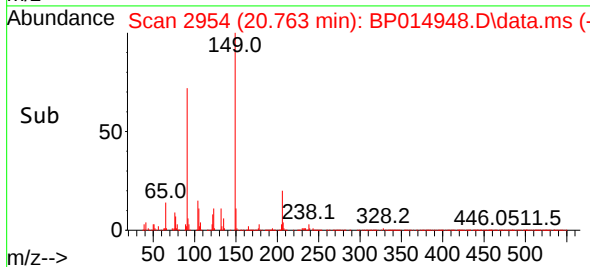
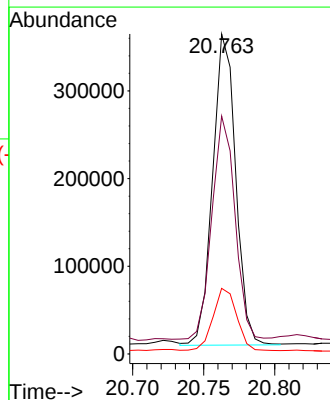
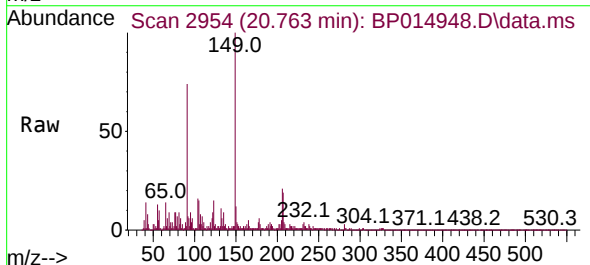
Tgt Ion:149 Resp: 400180

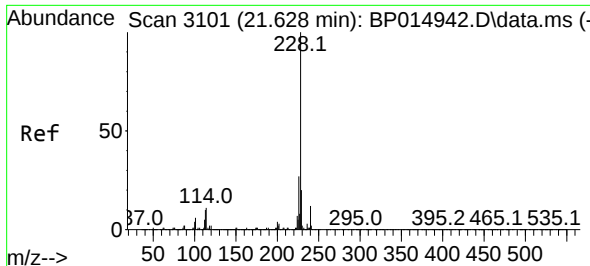
Ion Ratio Lower Upper

149 100

91 74.4 60.1 90.1

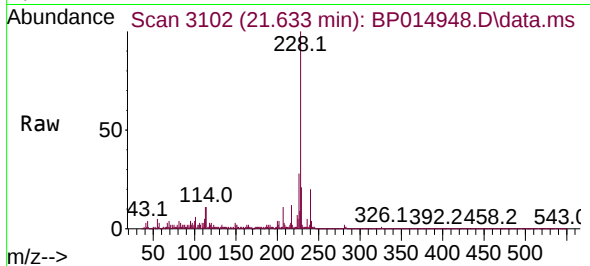
206 20.5 16.0 24.0





#85
Benzo(a)anthracene
Concen: 22.913 ng/ul
RT: 21.633 min Scan# 3101
Delta R.T. 0.006 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

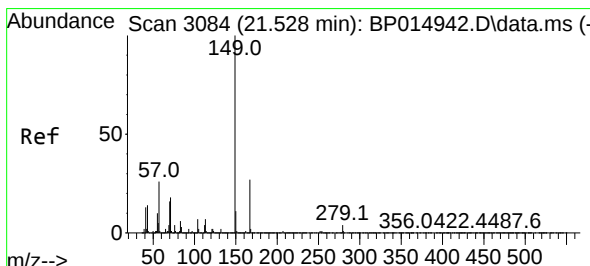
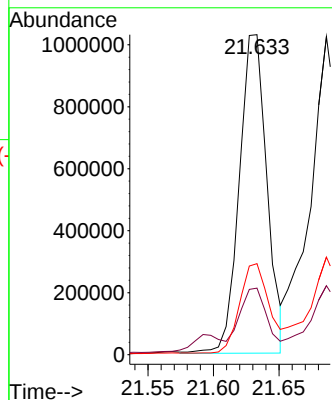
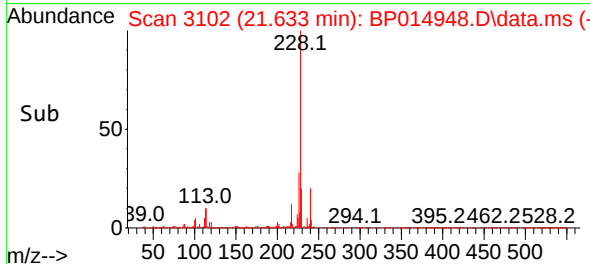
Instrument :
BNA_P
ClientSampleId :
EW933



Tgt Ion:228 Resp: 1511390
Ion Ratio Lower Upper
228 100
229 20.8 15.9 23.9
226 28.4 22.1 33.1

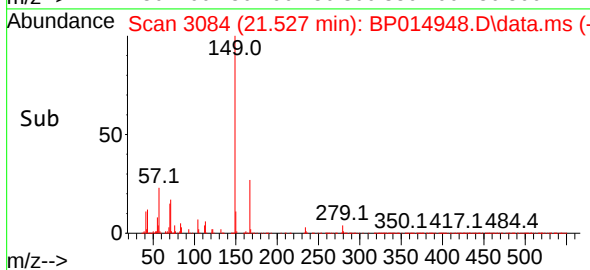
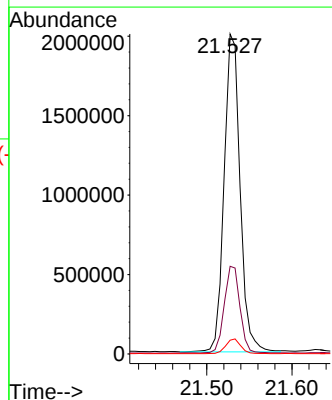
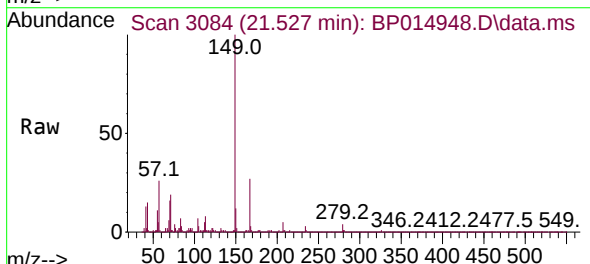
Manual Integrations
APPROVED

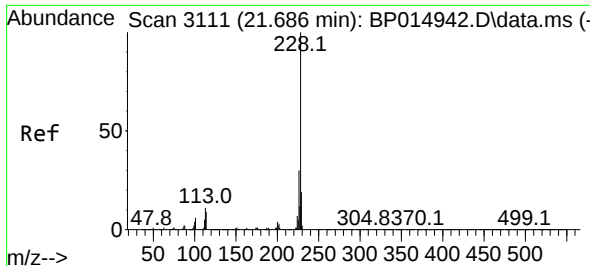
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 79.516 ng/ul
RT: 21.527 min Scan# 3084
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

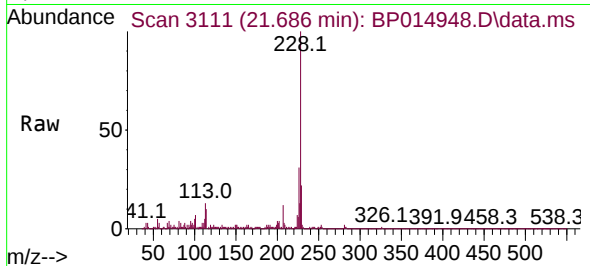
Tgt Ion:149 Resp: 2602844
Ion Ratio Lower Upper
149 100
167 27.4 22.0 33.0
279 4.3 2.9 4.3





#87
Chrysene
Concen: 24.045 ng/ul
RT: 21.686 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

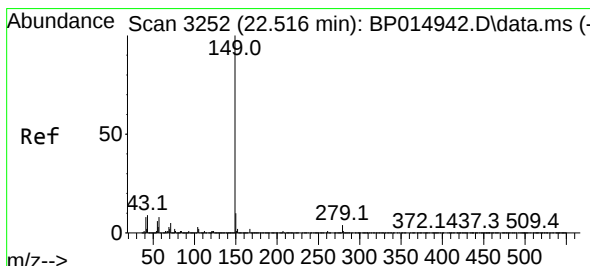
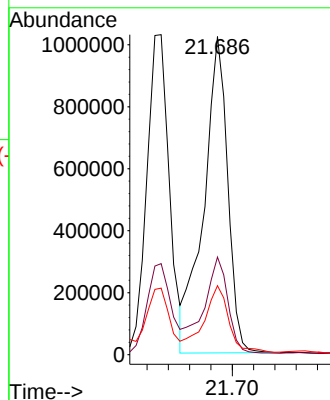
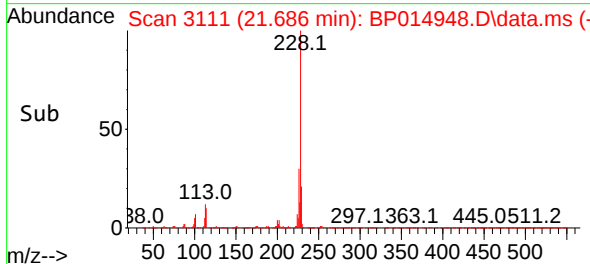
Instrument :
BNA_P
ClientSampleId :
EW933



Tgt Ion:228 Resp: 159695
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 21.7 15.8 23.8

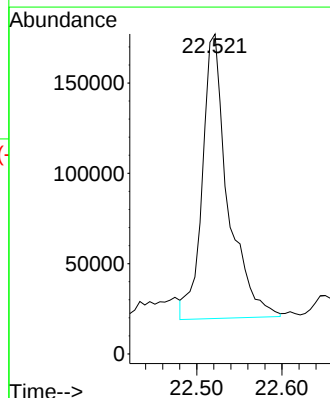
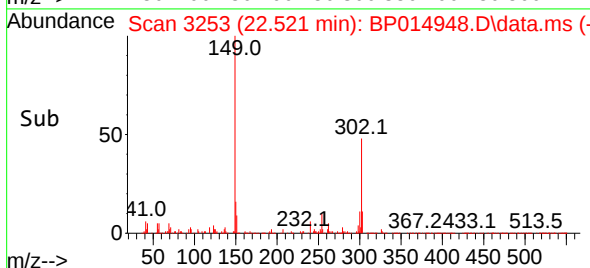
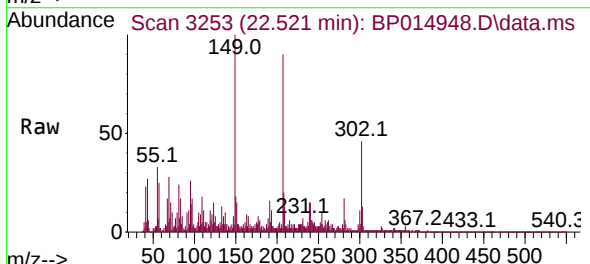
Manual Integrations
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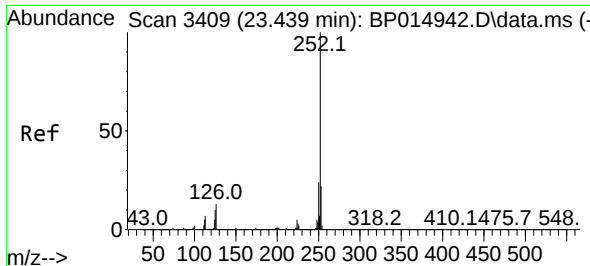
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#89
Di-n-octyl phthalate
Concen: 4.639 ng/ul
RT: 22.521 min Scan# 3253
Delta R.T. 0.006 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

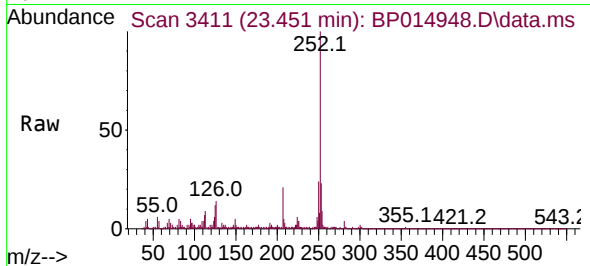
Tgt Ion:149 Resp: 327878





#90
Benzo(b)fluoranthene
Concen: 27.631 ng/ul
RT: 23.451 min Scan# 3411
Delta R.T. 0.012 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

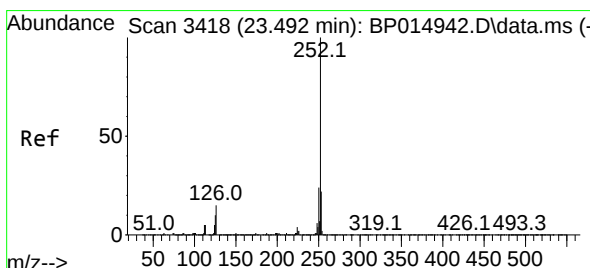
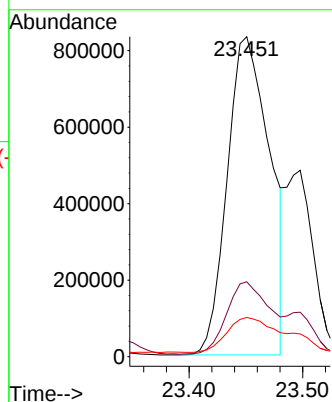
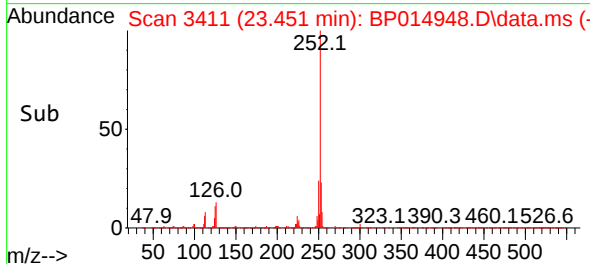
Instrument :
BNA_P
ClientSampleId :
EW933



Tgt Ion:252 Resp: 216143
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 12.2 8.4 12.6

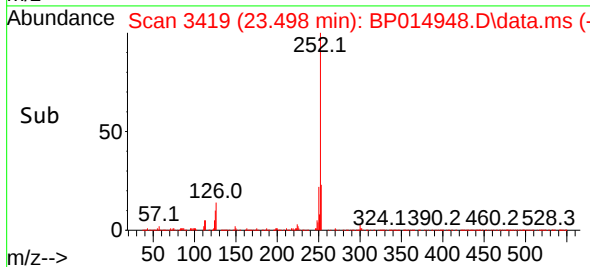
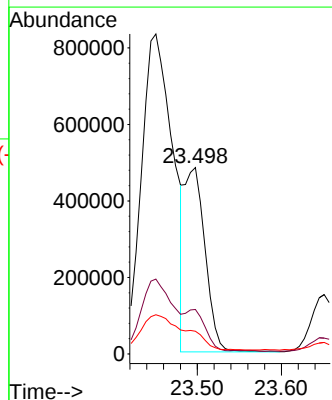
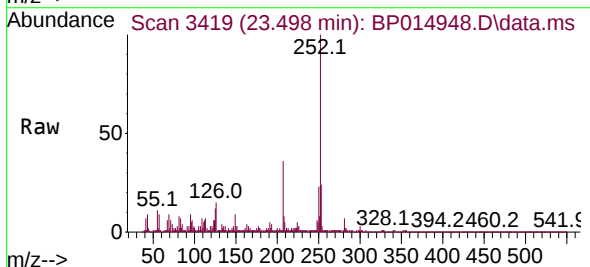
Manual Integrations
APPROVED

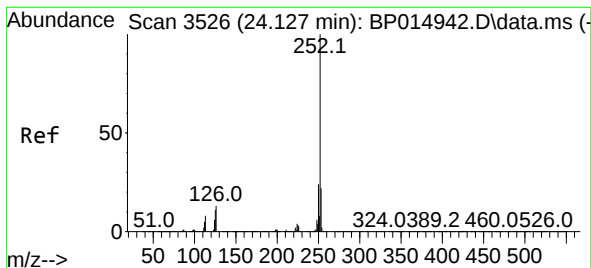
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#91
Benzo(k)fluoranthene
Concen: 10.208 ng/ul m
RT: 23.498 min Scan# 3419
Delta R.T. 0.006 min
Lab File: BP014948.D
Acq: 04 May 2023 12:46

Tgt Ion:252 Resp: 812685
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 12.2 8.9 13.3





#93

Benzo(a)pyrene

Concen: 22.325 ng/ul

RT: 24.133 min Scan# 3526

Delta R.T. 0.006 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

Tgt Ion:252 Resp: 1531538

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

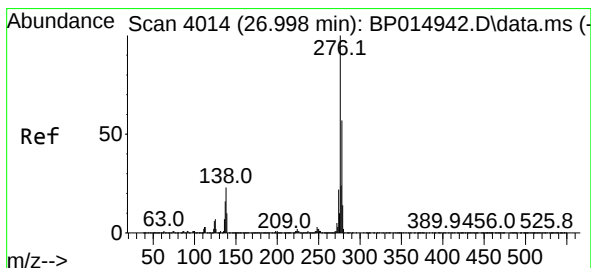
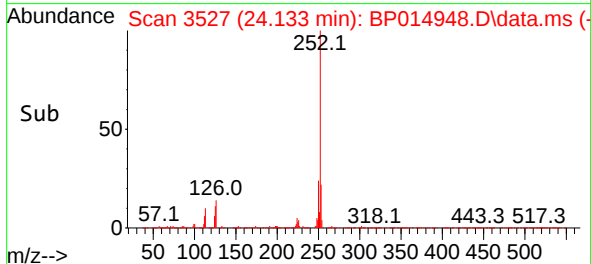
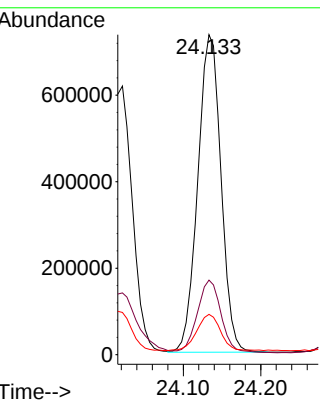
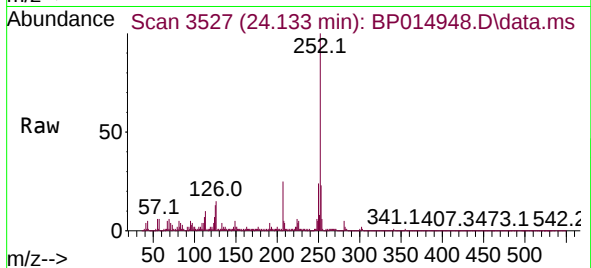
125 12.6 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 15.658 ng/ul

RT: 27.009 min Scan# 4016

Delta R.T. 0.012 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

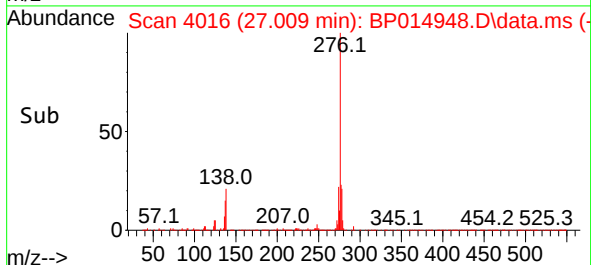
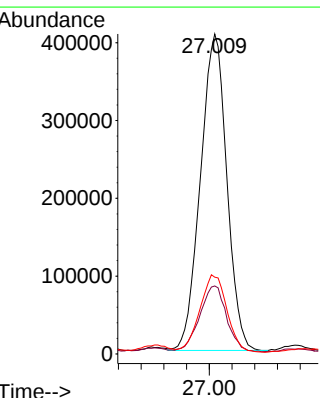
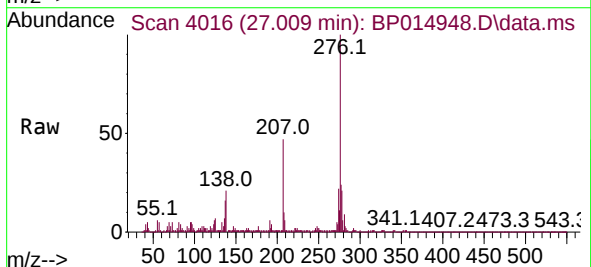
Tgt Ion:276 Resp: 1310330

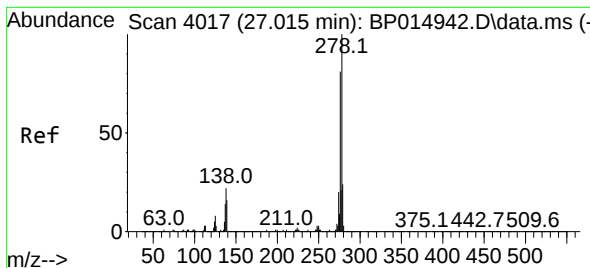
Ion Ratio Lower Upper

276 100

138 21.3 19.4 29.0

277 24.0 19.4 29.2





#95

Dibenzo(a,h)anthracene

Concen: 5.035 ng/ul

RT: 27.015 min Scan# 4017

Delta R.T. -0.000 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Instrument :

BNA_P

ClientSampleId :

EW933

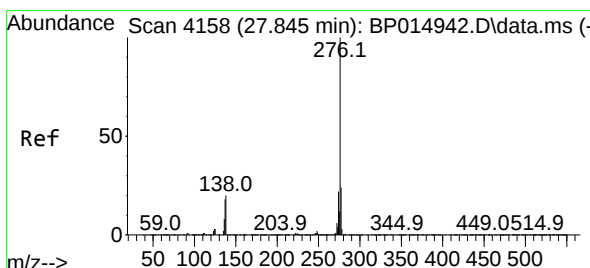
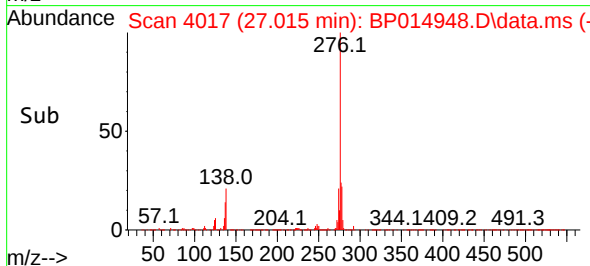
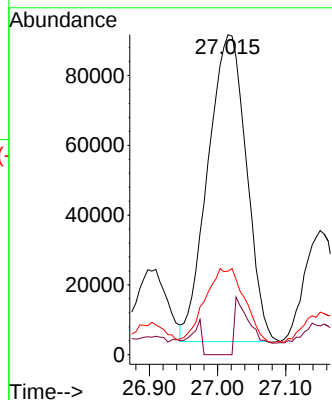
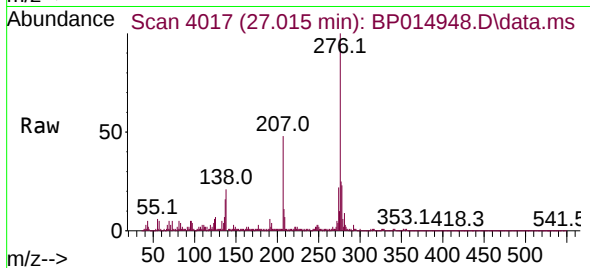
Tgt Ion:	278	Resp:	34535
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.9	19.3
279	26.1	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#96

Benzo(g,h,i)perylene

Concen: 18.453 ng/ul

RT: 27.862 min Scan# 4161

Delta R.T. 0.017 min

Lab File: BP014948.D

Acq: 04 May 2023 12:46

Tgt Ion:	276	Resp:	1314277
Ion Ratio	Lower	Upper	
276	100		
138	21.7	18.0	27.0
277	24.6	19.8	29.8

