

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051923\
 Data File : BP051923.D
 Acq On : 19 May 2023 18:09
 Operator : CG/JU
 Sample : 02664-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 JRELO

Quant Time: May 19 22:58:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 01:07:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/22/2023
 Supervised By : Jagrut Upadhyay 05/22/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	246580	20.000	ng/ul	0.00
20) Naphthalene-d8	10.957	136	1119168	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.763	164	751378	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.522	188	1524718	20.000	ng/ul	0.00
79) Chrysene-d12	21.598	240	987362	20.000	ng/ul	0.00
88) Perylene-d12	24.168	264	1097148	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	13123	2.068	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.275	99	431474	18.846	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.446	67	254510	19.248	ng/ul	0.00
11) 2-Chlorophenol-d4	7.652	132	346375	20.577	ng/ul	0.00
15) 4-Methylphenol-d8	8.840	113	339454	18.607	ng/ul	0.00
21) Nitrobenzene-d5	9.304	128	192476	21.886	ng/ul	0.00
24) 2-Nitrophenol-d4	10.028	143	220740	22.558	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.569	165	387875	21.967	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	217617	8.330	ng/ul	0.00
46) Dimethylphthalate-d6	14.169	166	1357809	23.914	ng/ul	0.00
49) Acenaphthylene-d8	14.457	160	1576737	24.281	ng/ul	0.00
54) 4-Nitrophenol-d4	14.957	143	224652	20.376	ng/ul	0.00
60) Fluorene-d10	15.757	176	1190329	24.845	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.875	200	181104	18.848	ng/ul	0.00
73) Anthracene-d10	17.616	188	1717146	24.595	ng/ul	0.00
81) Pyrene-d10	19.839	212	1651083	28.832	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.004	264	1336083	24.532	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.257	77	15666	2.490	ng/ul	87
8) Phenol	7.310	94	37438	1.595	ng/ul	91
16) Acetophenone	8.957	105	247885	8.706	ng/ul	96
30) Naphthalene	11.004	128	175747	2.888	ng/ul	99
36) 2-Methylnaphthalene	12.604	142	81006	1.976	ng/ul	99
50) Acenaphthylene	14.486	152	145301	2.005	ng/ul	99
56) Dibenzofuran	15.163	168	116051	1.686	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.386	232	112204	7.727	ng/ul#	99
69) Hexachlorobenzene	16.816	284	27357	1.474	ng/ul#	90
71) Pentachlorophenol	17.169	266	1871424	161.204	ng/ul	99
72) Phenanthrene	17.563	178	977283	11.771	ng/ul	100
74) Anthracene	17.651	178	880640	10.489	ng/ul	99
77) Carbazole	17.916	167	269795	3.665	ng/ul	97
80) Fluoranthene	19.516	202	1551334	22.226	ng/ul	97
82) Pyrene	19.869	202	1287905	17.868	ng/ul	96
85) Benzo(a)anthracene	21.580	228	570918	8.363	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.480	149	1883720	40.948	ng/ul#	98
87) Chrysene	21.639	228	1192074	18.266	ng/ul	97
90) Benzo(b)fluoranthene	23.380	252	2348448	33.765	ng/ul	97
91) Benzo(k)fluoranthene	23.421	252	553120m	8.282	ng/ul	
93) Benzo(a)pyrene	24.057	252	455063	7.402	ng/ul#	89
94) Indeno(1,2,3-cd)pyrene	26.898	276	879346	11.047	ng/ul	95
95) Dibenzo(a,h)anthracene	26.903	278	216470	3.313	ng/ul#	86
96) Benzo(g,h,i)perylene	27.733	276	817390	12.592	ng/ul	99

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

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

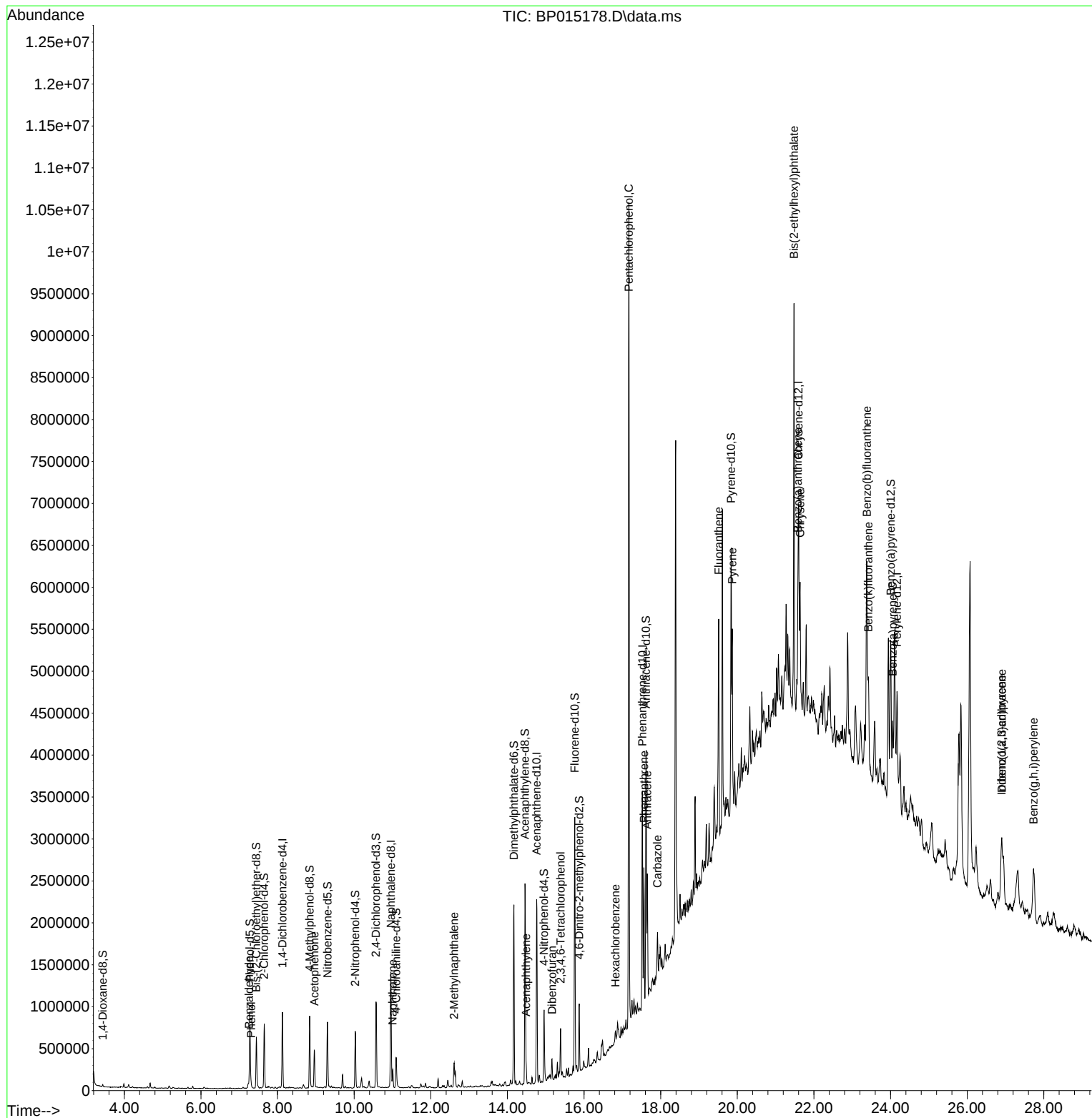
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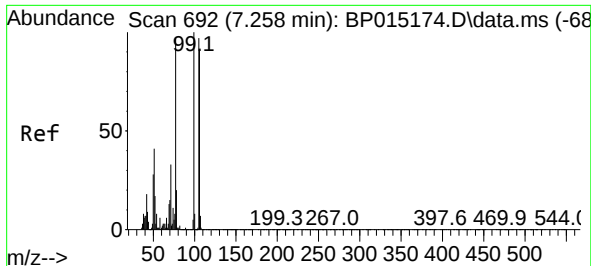
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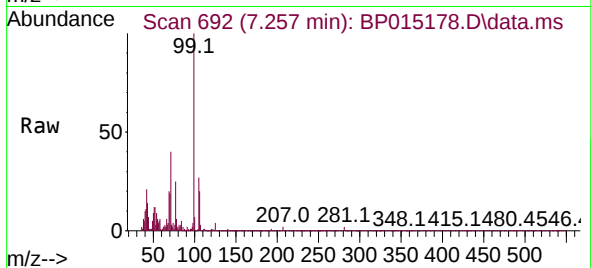
Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023





#6
Benzaldehyde
Concen: 2.490 ng/ul
RT: 7.257 min Scan# 692
Delta R.T. -0.000 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

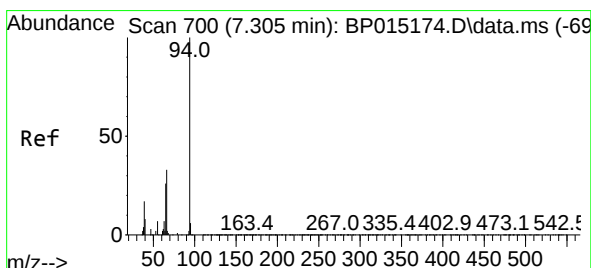
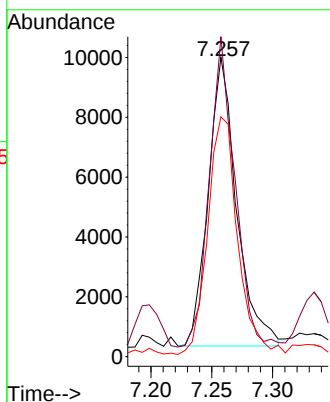
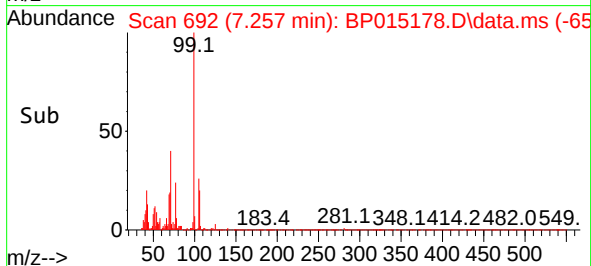
Instrument :
BNA_P
ClientSampleId :
JRELO



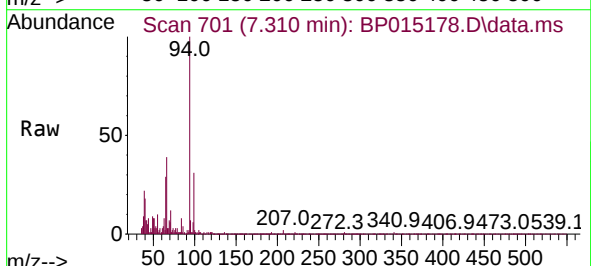
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Ion Ratio Lower Upper
77 100
105 106.9 76.9 115.3
106 80.1 75.0 112.6

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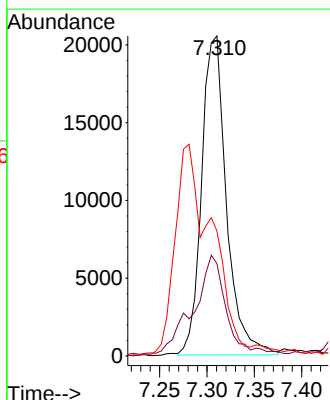
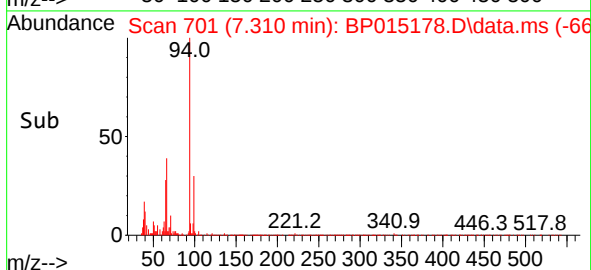
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

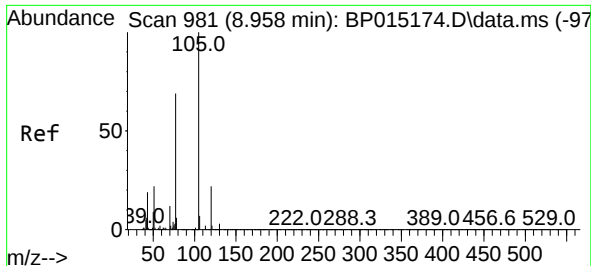


#8
Phenol
Concen: 1.595 ng/ul
RT: 7.310 min Scan# 701
Delta R.T. 0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09



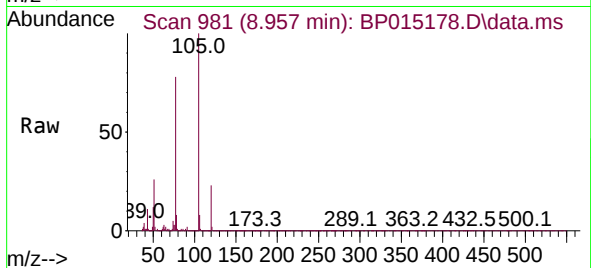
Tgt Ion: 94 Resp: 37438
Ion Ratio Lower Upper
94 100
65 28.9 20.6 31.0
66 39.1 26.1 39.1





#16
Acetophenone
Concen: 8.706 ng/ul
RT: 8.957 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

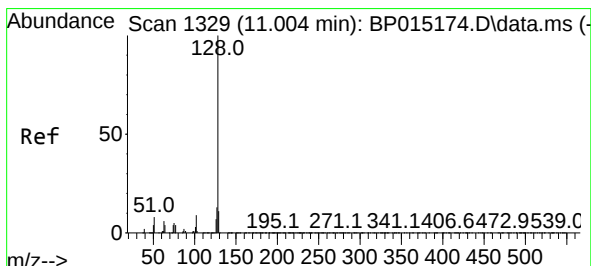
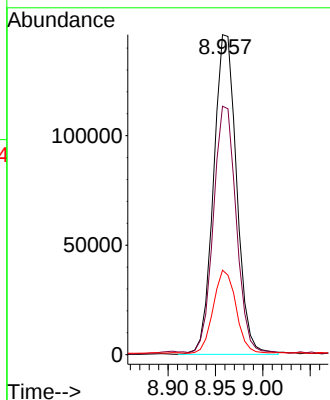
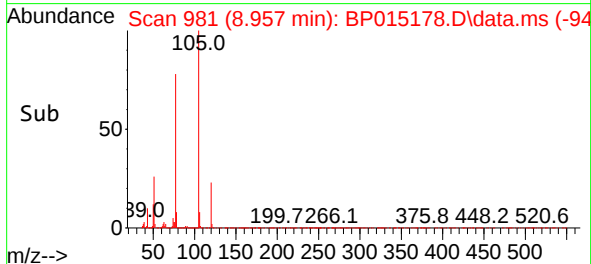
Instrument :
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ClientSampleId :
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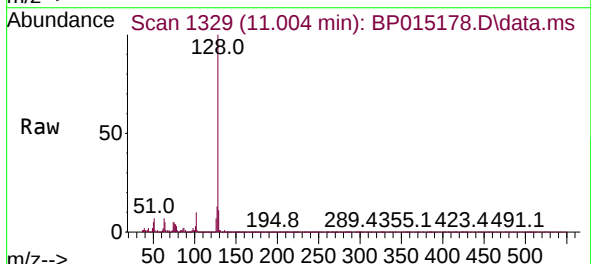
Tgt Ion:105 Resp: 24788
Ion Ratio Lower Upper
105 100
77 77.7 59.4 89.2
51 26.4 19.2 28.8

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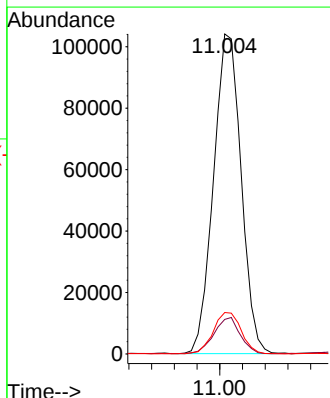
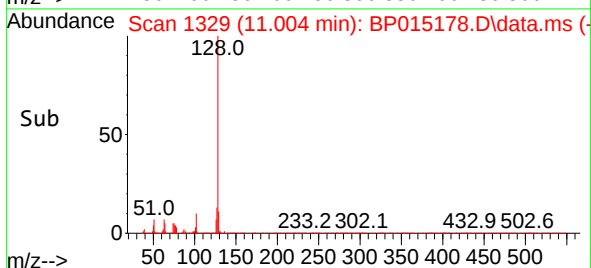
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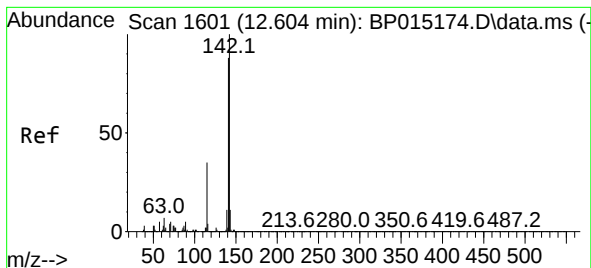


#30
Naphthalene
Concen: 2.888 ng/ul
RT: 11.004 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09



Tgt Ion:128 Resp: 175747
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.0 10.6 15.8





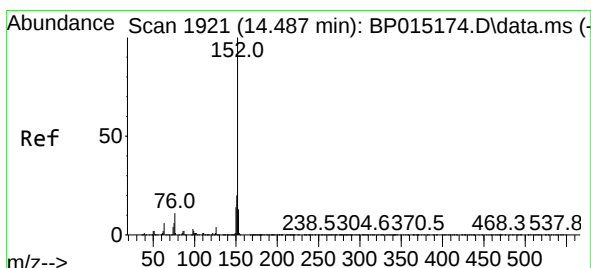
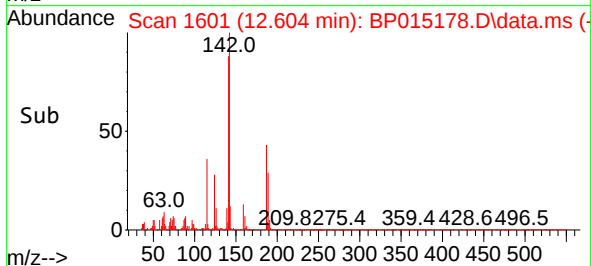
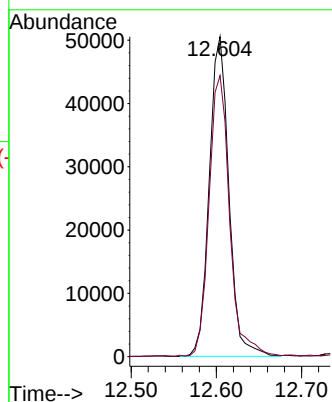
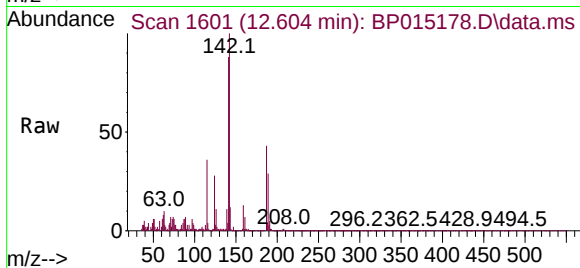
#36
2-Methylnaphthalene
Concen: 1.976 ng/ul
RT: 12.604 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Instrument :
BNA_P
ClientSampleId :
JRELO

Tgt Ion:142 Resp: 81000
Ion Ratio Lower Upper
142 100
141 87.8 71.0 106.6

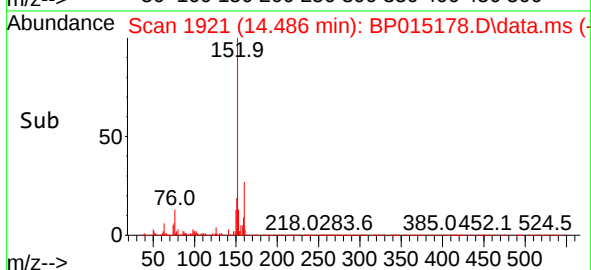
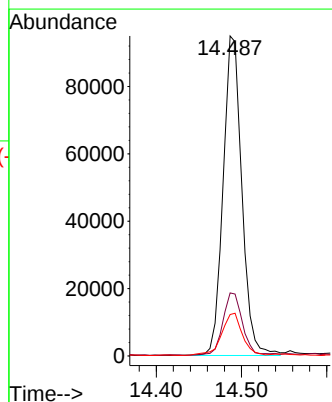
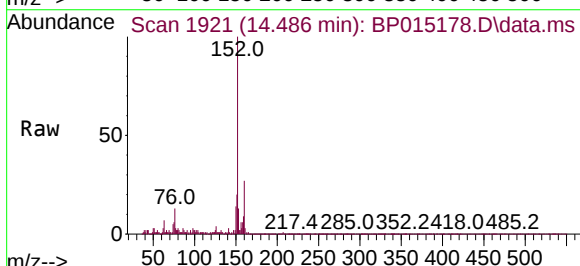
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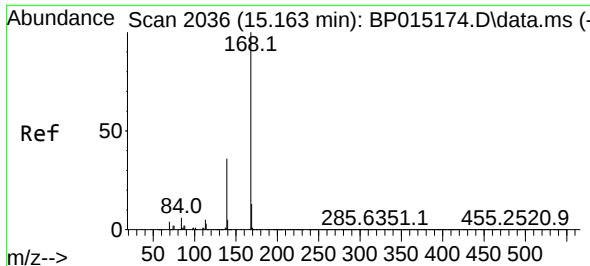
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#50
Acenaphthylene
Concen: 2.005 ng/ul
RT: 14.486 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Tgt Ion:152 Resp: 145301
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 12.9 10.3 15.5





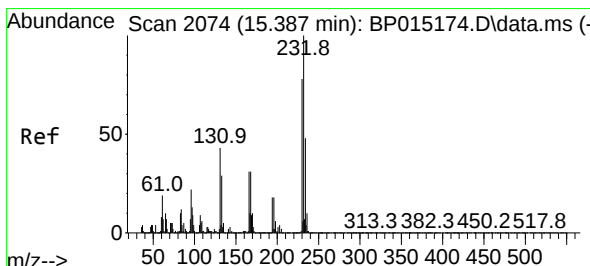
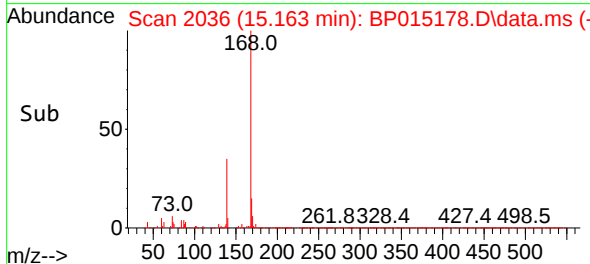
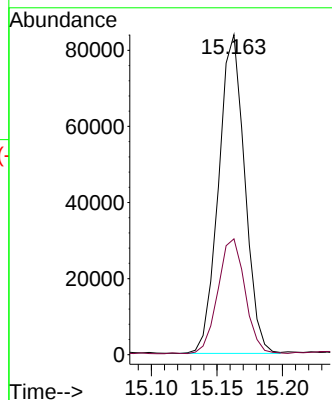
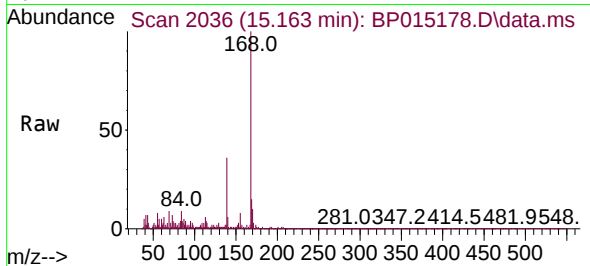
#56
Dibenzenofuran
Concen: 1.686 ng/ul
RT: 15.163 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

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BNA_P
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JRELO

Tgt Ion:168 Resp: 11605
Ion Ratio Lower Upper
168 100
139 36.2 29.4 44.0

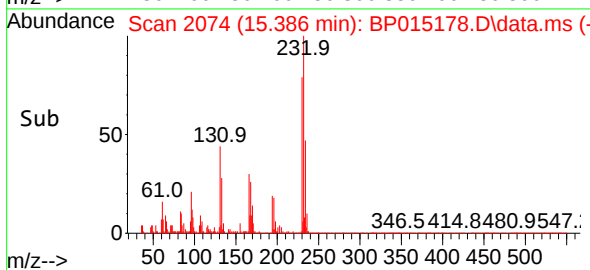
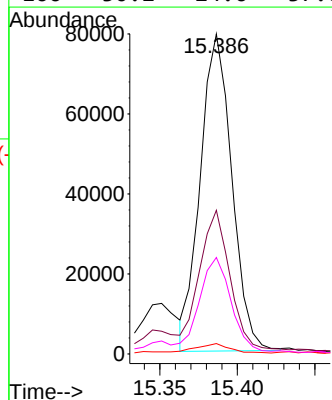
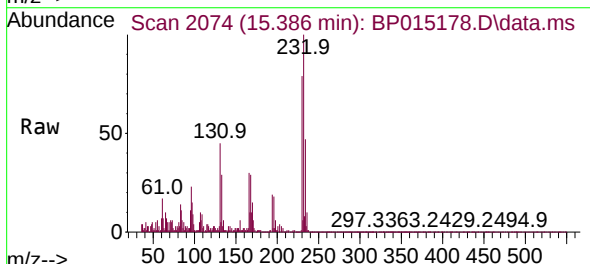
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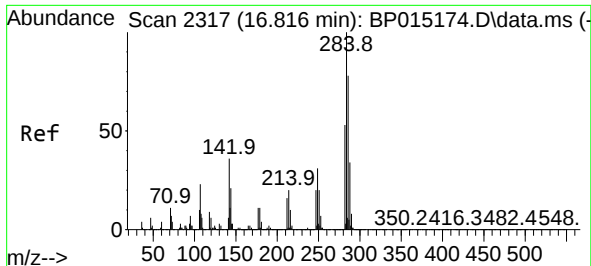
Reviewed By :Christian Giraldo 05/22/2023
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#58
2,3,4,6-Tetrachlorophenol
Concen: 7.727 ng/ul
RT: 15.386 min Scan# 2074
Delta R.T. -0.000 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Tgt Ion:232 Resp: 112204
Ion Ratio Lower Upper
232 100
131 44.9 36.8 55.2
130 3.3 1.9 2.9#
166 30.2 24.6 37.0





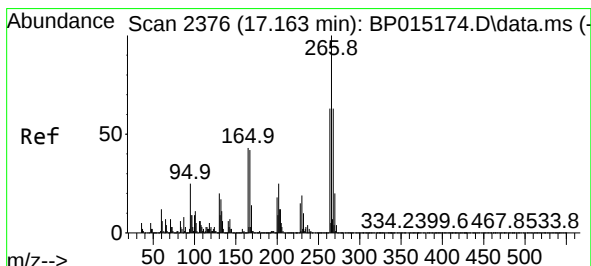
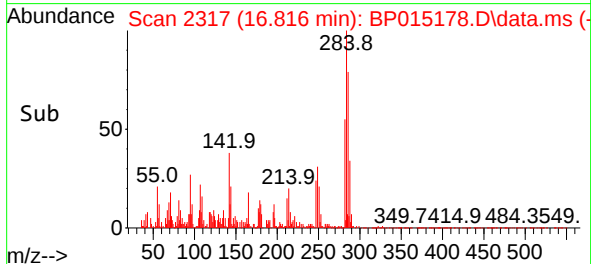
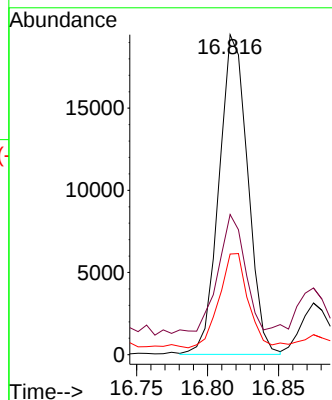
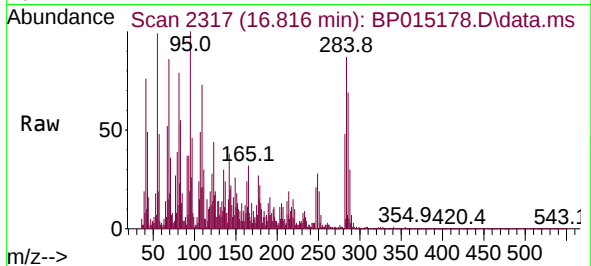
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Hexachlorobenzene
Concen: 1.474 ng/ul
RT: 16.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Instrument :
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Tgt Ion:284 Resp: 2735
Ion Ratio Lower Upper
284 100
142 43.8 27.3 40.9
249 31.5 24.6 36.8

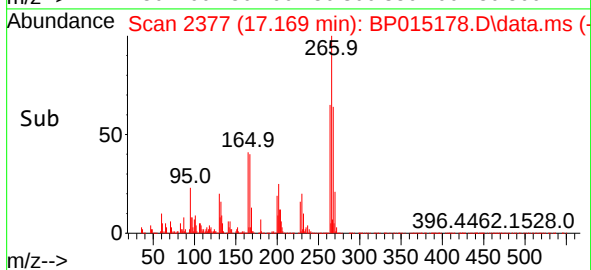
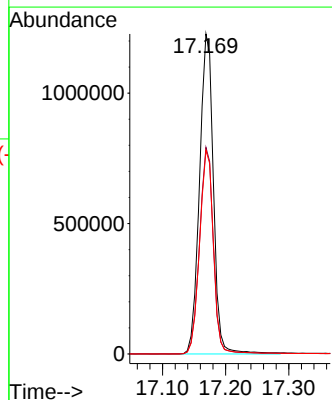
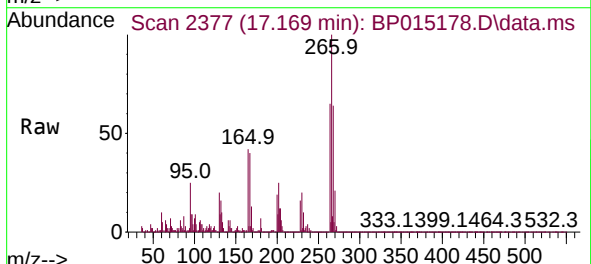
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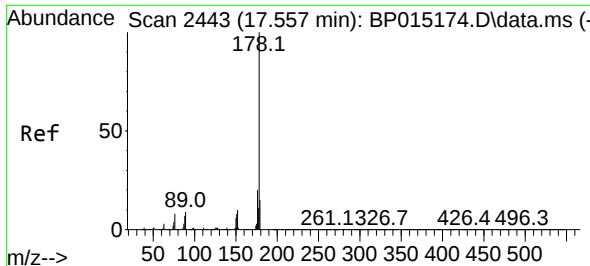
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#71
Pentachlorophenol
Concen: 161.204 ng/ul
RT: 17.169 min Scan# 2377
Delta R.T. 0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Tgt Ion:266 Resp: 1871424
Ion Ratio Lower Upper
266 100
264 64.5 51.0 76.4
268 63.6 51.8 77.6





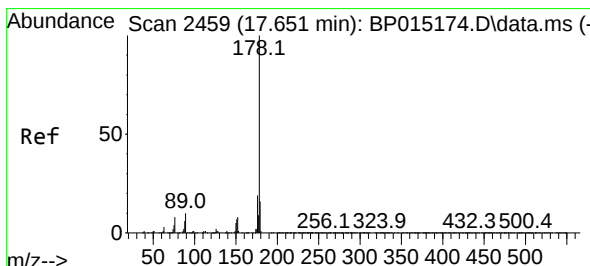
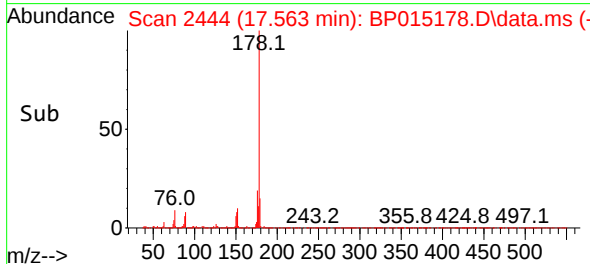
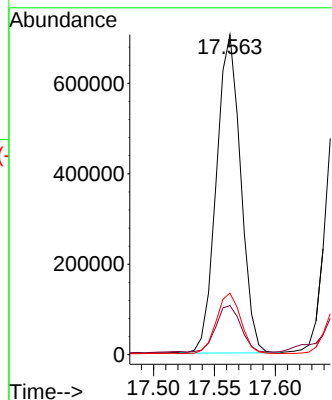
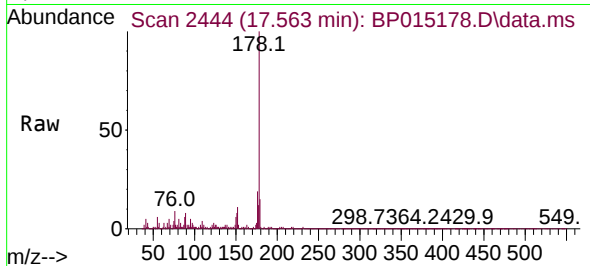
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Phenanthrene
Concen: 11.771 ng/ul
RT: 17.563 min Scan# 2444
Delta R.T. -0.000 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

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Tgt Ion:178 Resp: 97728
Ion Ratio Lower Upper
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179 15.4 12.2 18.2
176 19.3 15.6 23.4

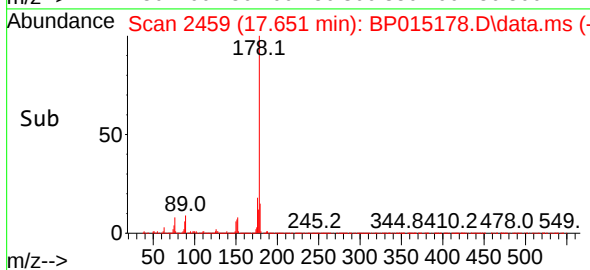
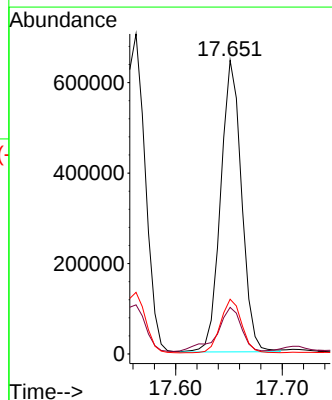
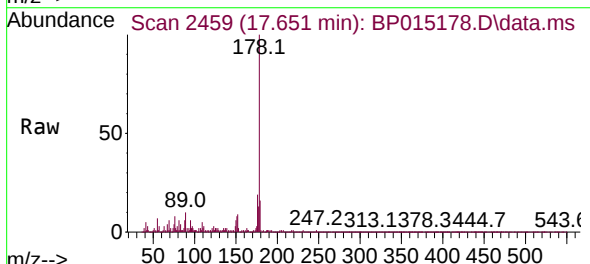
Manual Integrations
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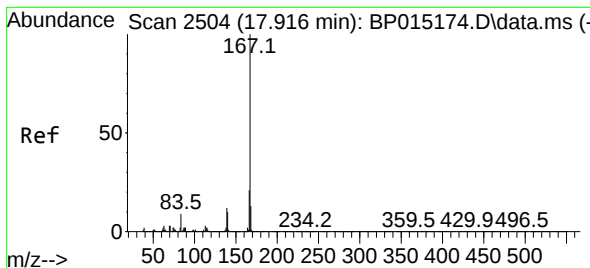
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#74
Anthracene
Concen: 10.489 ng/ul
RT: 17.651 min Scan# 2459
Delta R.T. -0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Tgt Ion:178 Resp: 880640
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.2
176 18.6 15.2 22.8





#77

Carbazole

Concen: 3.665 ng/ul

RT: 17.916 min Scan# 2504

Delta R.T. -0.000 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

Instrument :

BNA_P

ClientSampleId :

JRELO

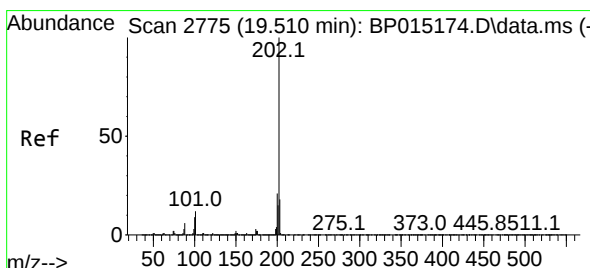
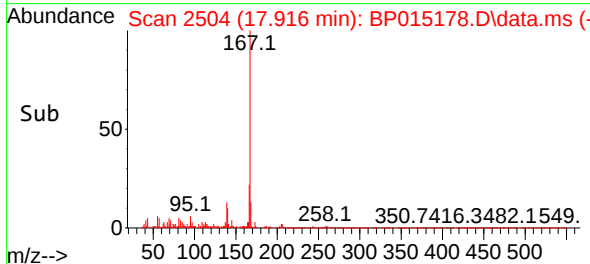
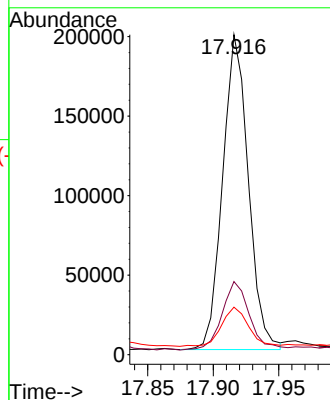
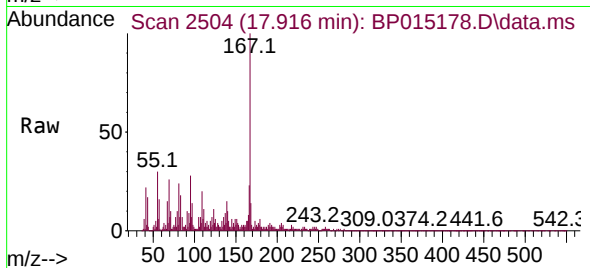
Tgt Ion:167	Resp: 26979
Ion Ratio	Lower Upper
167 100	
166 22.8	17.4 26.2
139 14.9	10.2 15.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#80

Fluoranthene

Concen: 22.226 ng/ul

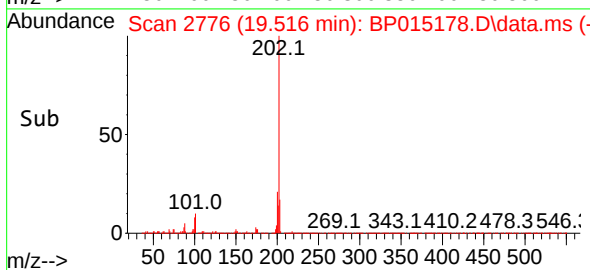
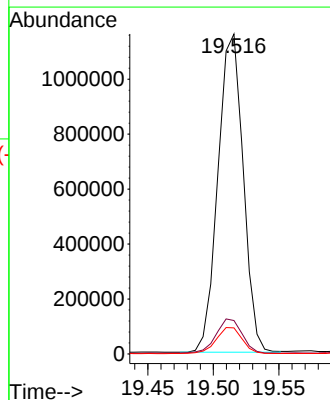
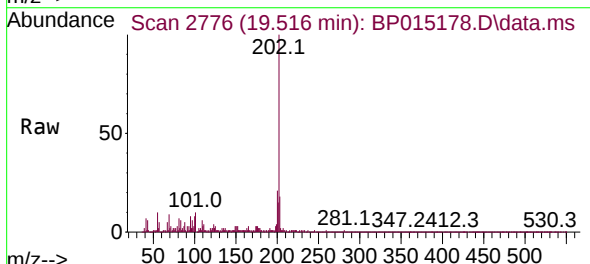
RT: 19.516 min Scan# 2776

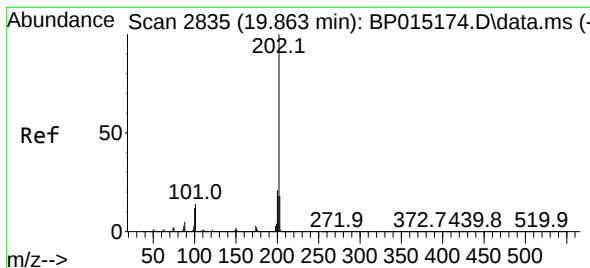
Delta R.T. 0.006 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

Tgt Ion:202	Resp: 1551334
Ion Ratio	Lower Upper
202 100	
101 10.4	9.5 14.3
100 8.2	7.3 10.9





#82

Pyrene

Concen: 17.868 ng/ul

RT: 19.869 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

Instrument :

BNA_P

ClientSampleId :

JRELO

Tgt Ion:202 Resp: 128790

Ion Ratio Lower Upper

202 100

101 12.5 11.2 16.8

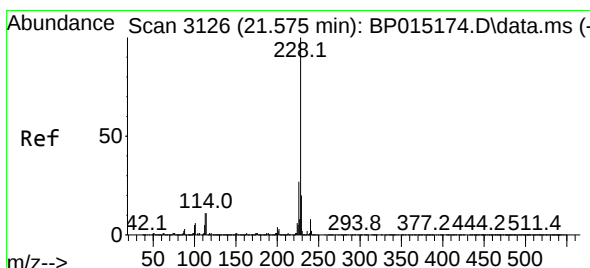
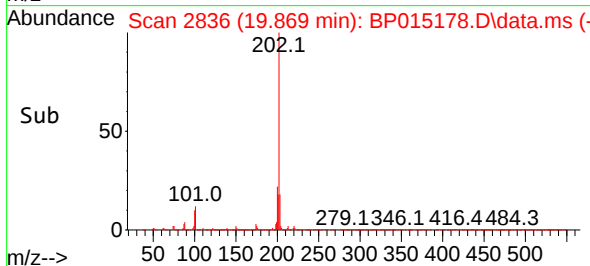
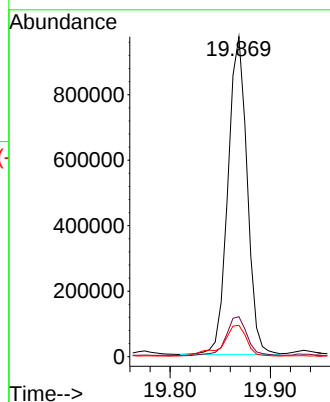
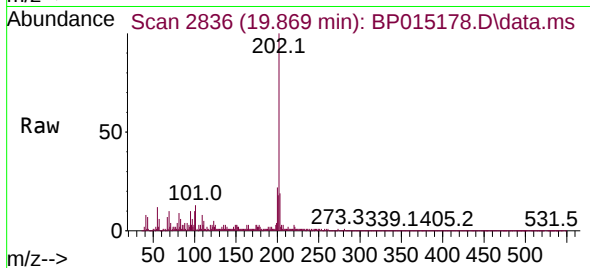
100 9.8 9.0 13.6

Manual Integrations

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Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#85

Benzo(a)anthracene

Concen: 8.363 ng/ul

RT: 21.580 min Scan# 3127

Delta R.T. -0.000 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

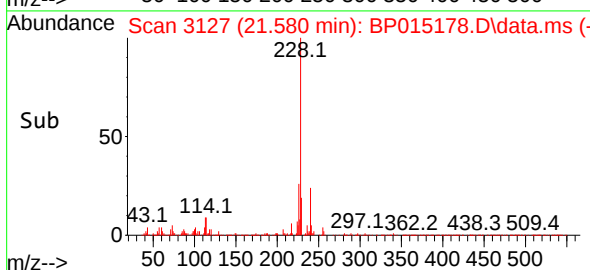
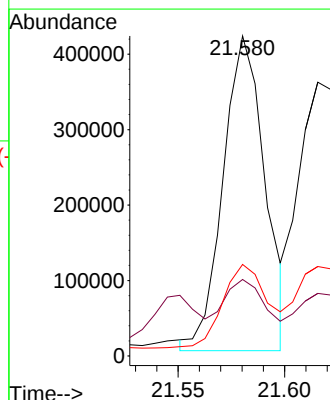
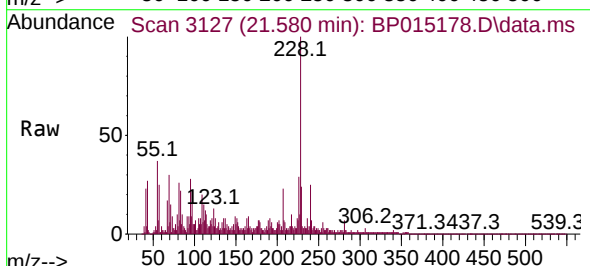
Tgt Ion:228 Resp: 570918

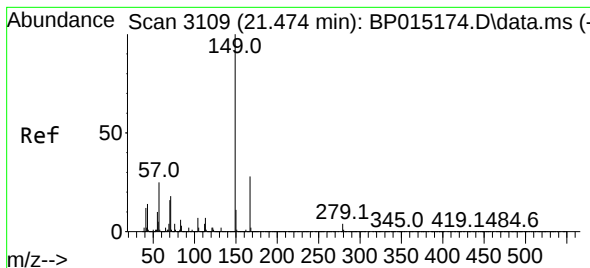
Ion Ratio Lower Upper

228 100

229 23.9 16.1 24.1

226 28.6 21.9 32.9





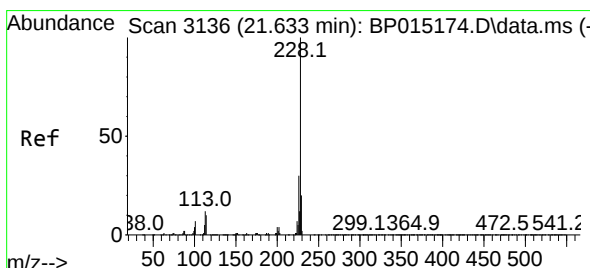
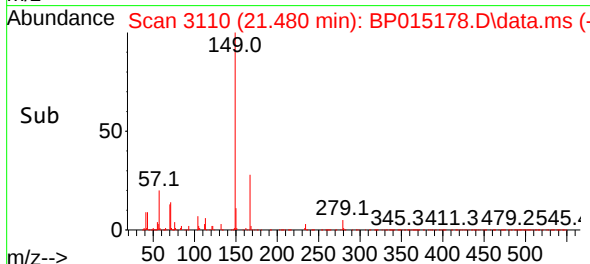
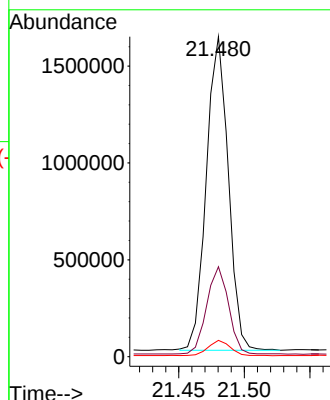
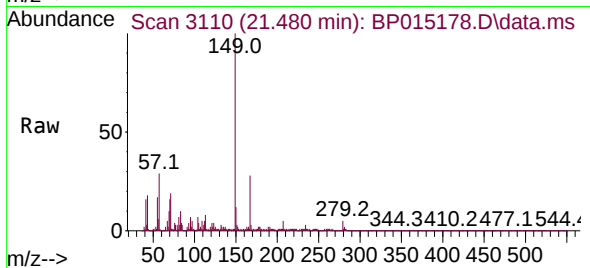
#86
Bis(2-ethylhexyl)phthalate
Concen: 40.948 ng/ul
RT: 21.480 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Instrument :
BNA_P
ClientSampleId :
JRELO

Tgt Ion:149 Resp: 1883720
Ion Ratio Lower Upper
149 100
167 28.1 21.8 32.6
279 5.1 3.2 4.8

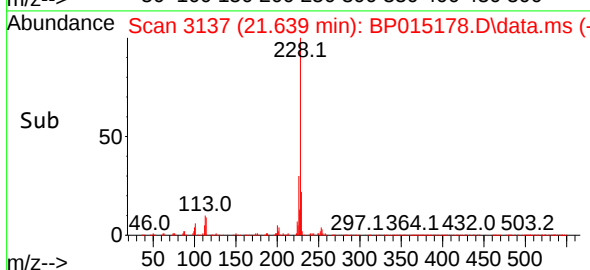
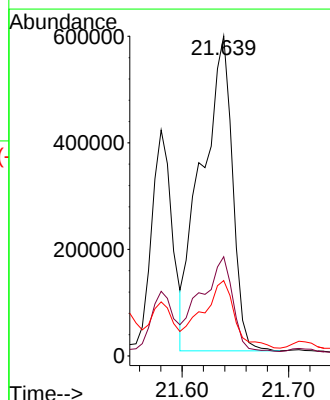
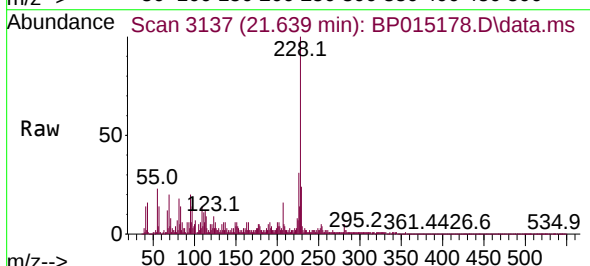
Manual Integrations
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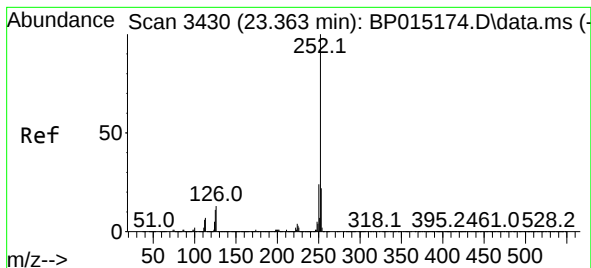
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#87
Chrysene
Concen: 18.266 ng/ul
RT: 21.639 min Scan# 3137
Delta R.T. 0.006 min
Lab File: BP015178.D
Acq: 19 May 2023 18:09

Tgt Ion:228 Resp: 1192074
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 23.6 16.1 24.1





#90

Benzo(b)fluoranthene

Concen: 33.765 ng/ul

RT: 23.380 min Scan# 3430

Delta R.T. 0.012 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

Instrument :

BNA_P

ClientSampleId :

JRELO

Tgt Ion:252 Resp: 234844

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

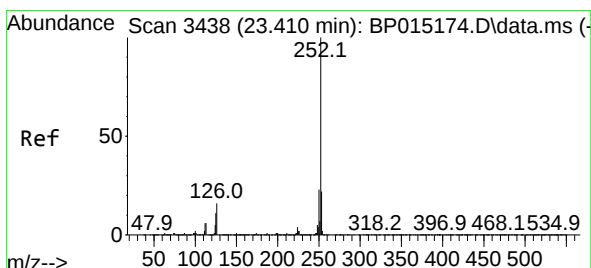
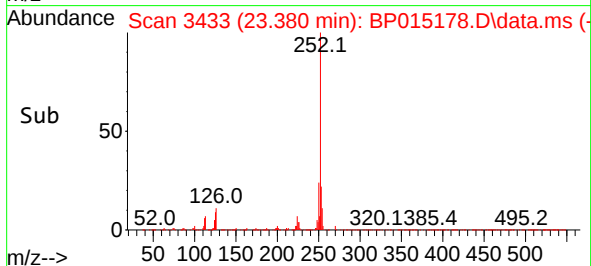
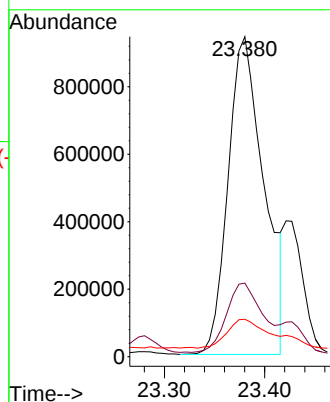
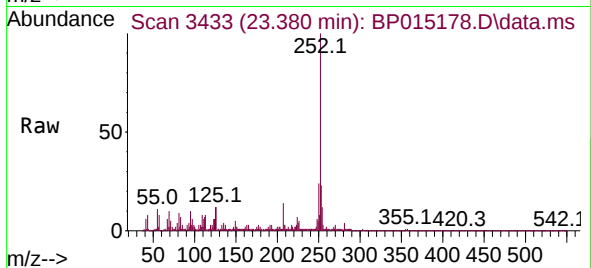
125 11.7 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#91

Benzo(k)fluoranthene

Concen: 8.282 ng/ul m

RT: 23.421 min Scan# 3440

Delta R.T. -0.000 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

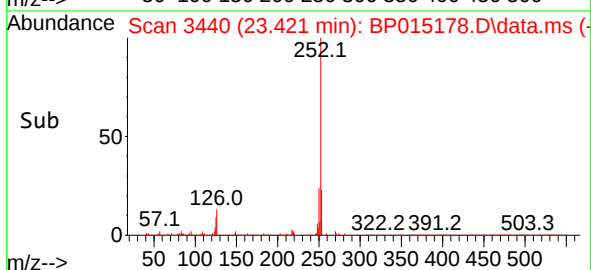
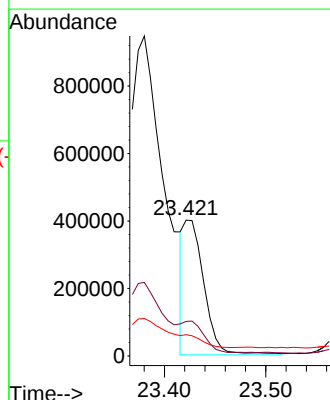
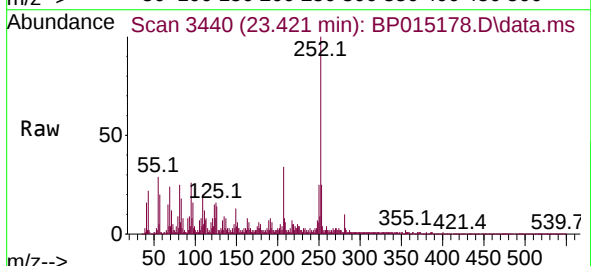
Tgt Ion:252 Resp: 553120

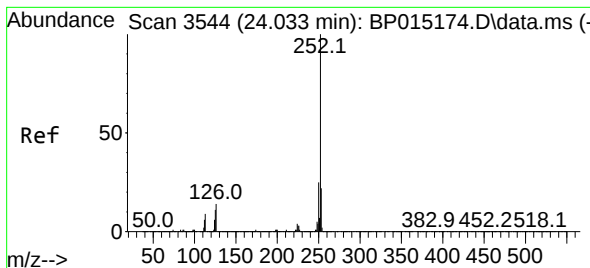
Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

125 15.7 8.5 12.7#





#93

Benzo(a)pyrene

Concen: 7.402 ng/ul

RT: 24.057 min Scan# 30

Delta R.T. 0.012 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

Instrument :

BNA_P

ClientSampleId :

JRELO

Tgt Ion:252 Resp: 45506

Ion Ratio Lower Upper

252 100

253 24.7 17.2 25.8

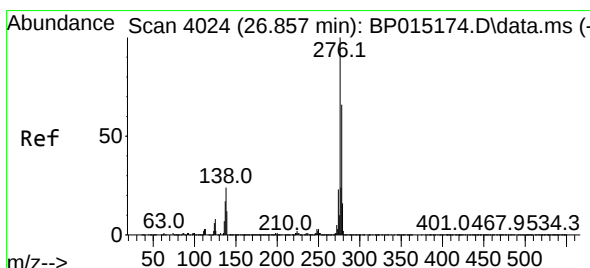
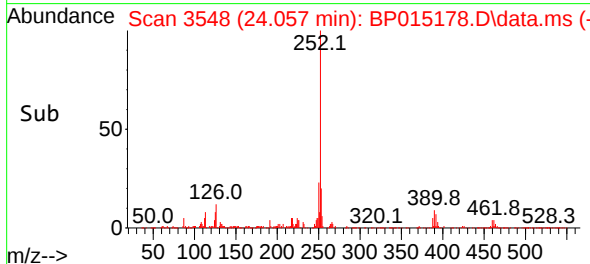
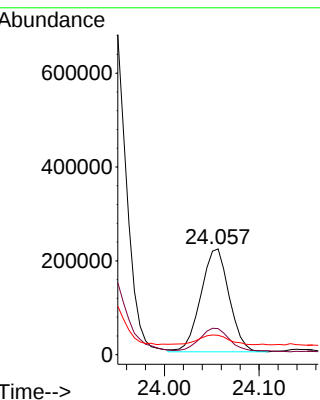
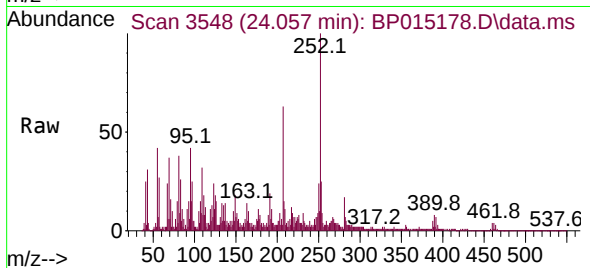
125 18.3 9.1 13.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 11.047 ng/ul

RT: 26.898 min Scan# 4031

Delta R.T. 0.029 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

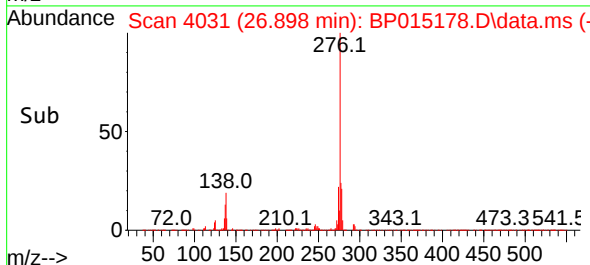
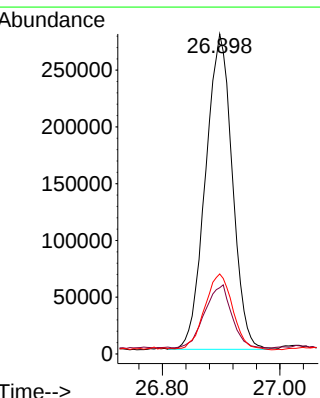
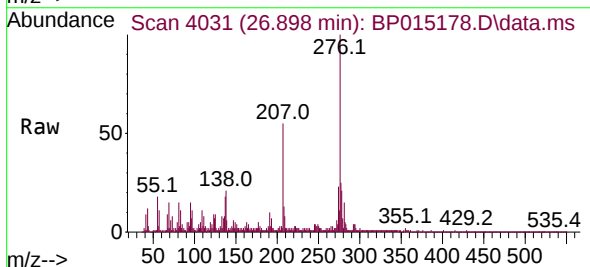
Tgt Ion:276 Resp: 879346

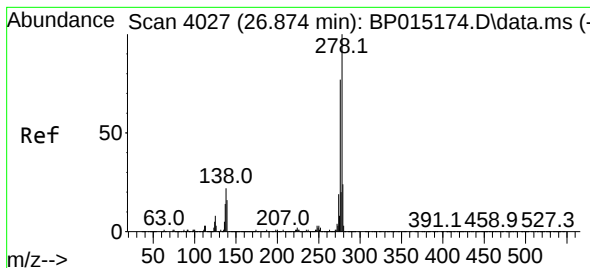
Ion Ratio Lower Upper

276 100

138 20.7 20.1 30.1

277 25.0 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 3.313 ng/ul

RT: 26.903 min Scan# 4027

Delta R.T. 0.018 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

Instrument :

BNA_P

ClientSampleId :

JRELO

Tgt Ion:278 Resp: 216470

Ion Ratio Lower Upper

278 100

139 25.3 13.3 19.9

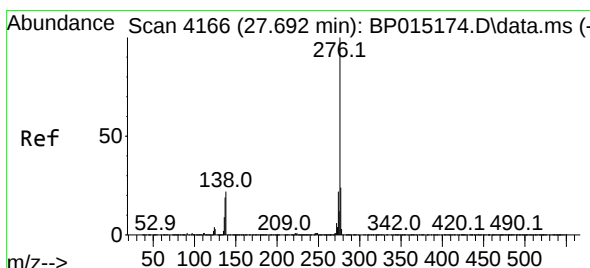
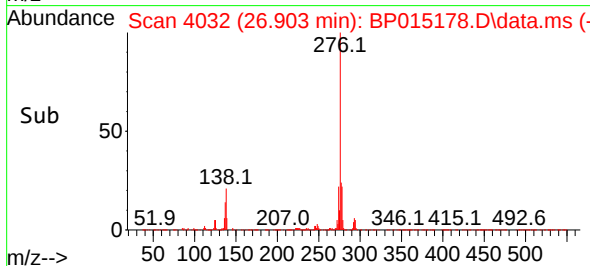
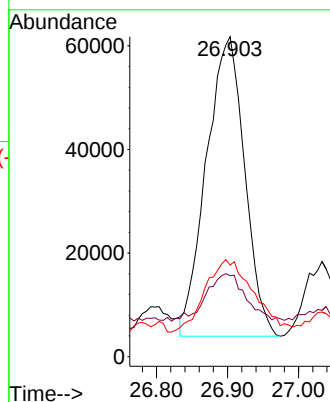
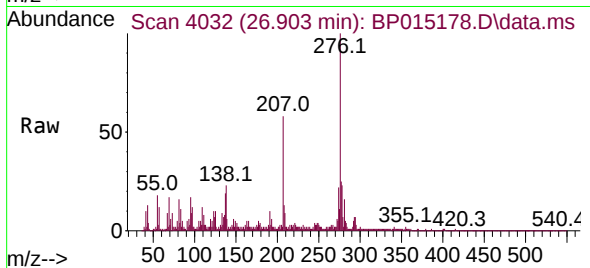
279 28.7 19.1 28.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#96

Benzo(g,h,i)perylene

Concen: 12.592 ng/ul

RT: 27.733 min Scan# 4173

Delta R.T. 0.029 min

Lab File: BP015178.D

Acq: 19 May 2023 18:09

Tgt Ion:276 Resp: 817390

Ion Ratio Lower Upper

276 100

138 22.2 17.7 26.5

277 24.4 18.8 28.2

