

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031622\
 Data File : BP009422.D
 Acq On : 16 Mar 2022 14:57
 Operator : CG/JU
 Sample : N1918-10DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-BDL

Quant Time: Mar 16 15:58:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	368173	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	1318983	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	781288	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	1597198	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1821998	20.000	ng	0.00
86) Perylene-d12	23.739	264	2092094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	904843	35.874	ng	0.00
7) Phenol-d6	7.005	99	1060982	33.101	ng	0.02
23) Nitrobenzene-d5	8.963	82	686321	28.660	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	479133	50.787	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	1520219	26.759	ng	-0.01
79) Terphenyl-d14	19.792	244	2349475	24.335	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.652	128	149676	2.049	ng	99
52) Acenaphthene	14.516	154	223336	4.668	ng	100
55) Dibenzofuran	14.851	168	255838	3.530	ng	96
58) Fluorene	15.504	166	334153	5.887	ng	98
71) Phenanthrene	17.257	178	4583419	49.933	ng	99
72) Anthracene	17.345	178	1033415	11.311	ng	99
73) Carbazole	17.622	167	557487	6.696	ng	99
75) Fluoranthene	19.239	202	6213515	58.646	ng	98
78) Pyrene	19.592	202	5669007	46.083	ng	99
81) Benzo(a)anthracene	21.310	228	3485781	28.226	ng	99
83) Chrysene	21.363	228	3121666	26.035	ng	98
87) Indeno(1,2,3-cd)pyrene	26.245	276	2120004	13.043	ng	# 92
88) Benzo(b)fluoranthene	23.010	252	4209097m	29.798	ng	
89) Benzo(k)fluoranthene	23.045	252	1350715m	10.009	ng	
90) Benzo(a)pyrene	23.633	252	3083910	23.019	ng	96
91) Dibenzo(a,h)anthracene	26.262	278	599086	4.347	ng	94
92) Benzo(g,h,i)perylene	27.027	276	2059843	15.128	ng	# 95

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

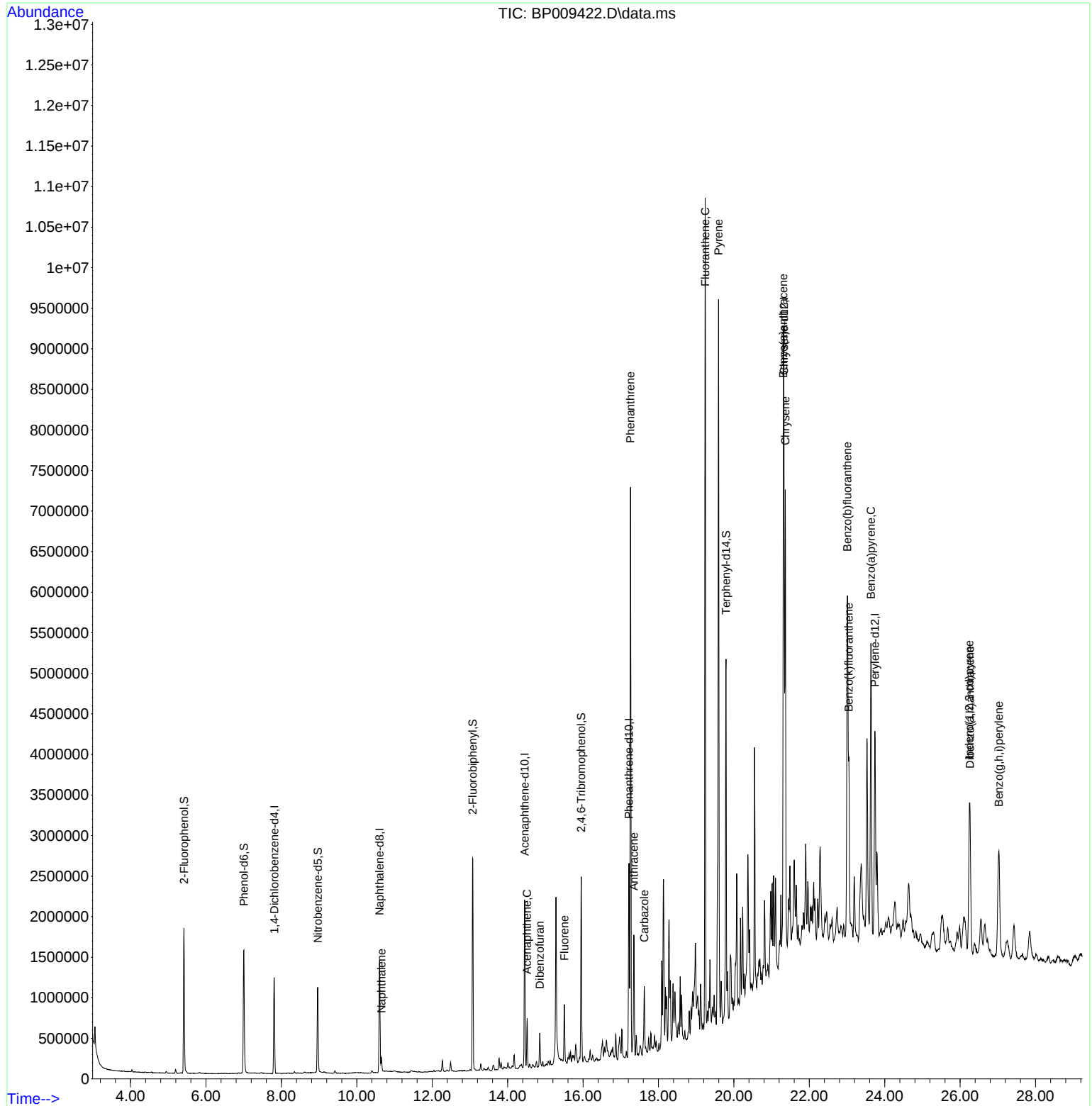
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031622\
Data File : BP009422.D
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ALS Vial : 4 Sample Multiplier: 1

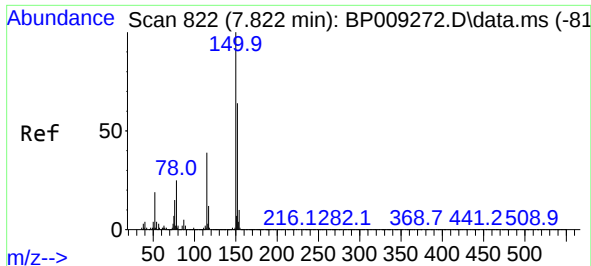
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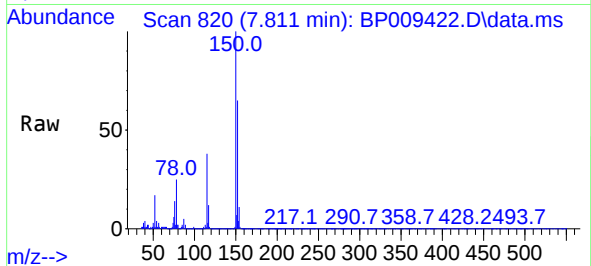
Reviewed By : Christian Giraldo 03/17/2022
Supervised By : Jagrut Upadhyay 03/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

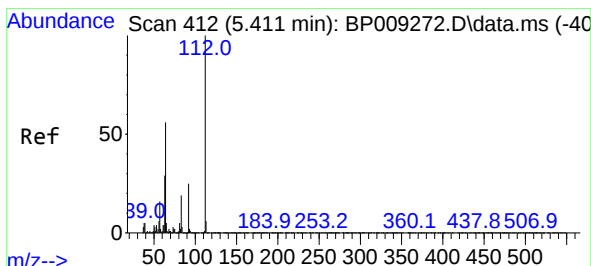
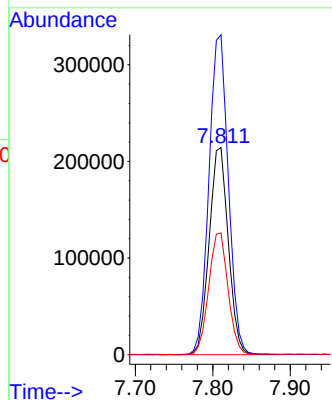
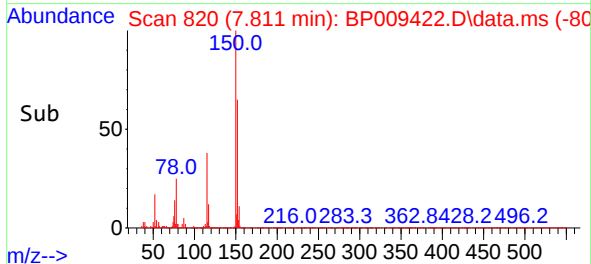
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



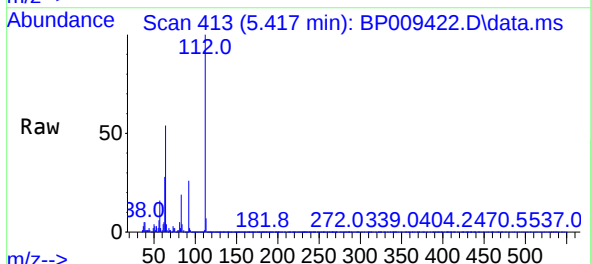
Tgt Ion:152 Resp: 36817
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 58.7 48.2 72.4

Manual Integrations
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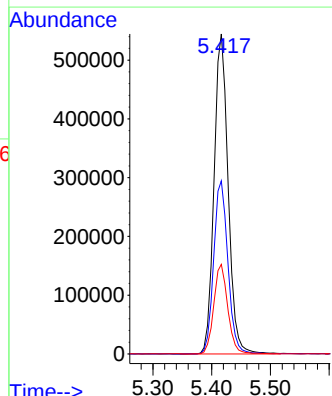
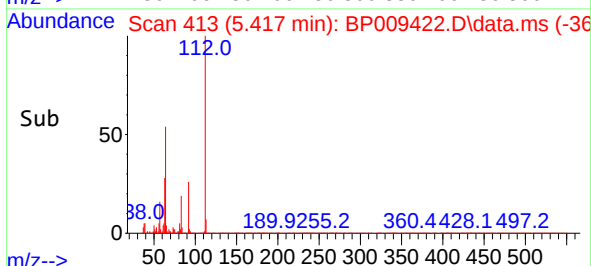
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

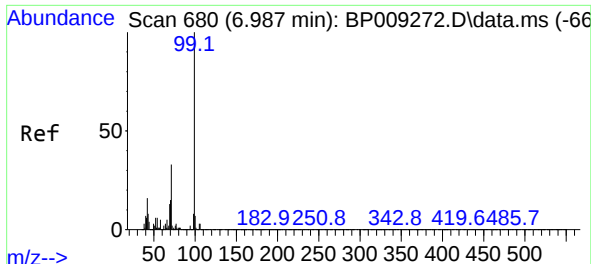


#5
2-Fluorophenol
Concen: 35.874 ng
RT: 5.417 min Scan# 413
Delta R.T. 0.006 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57



Tgt Ion:112 Resp: 904843
Ion Ratio Lower Upper
112 100
64 54.1 45.0 67.4
63 28.0 23.0 34.6





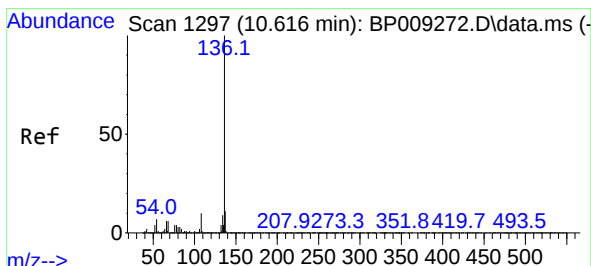
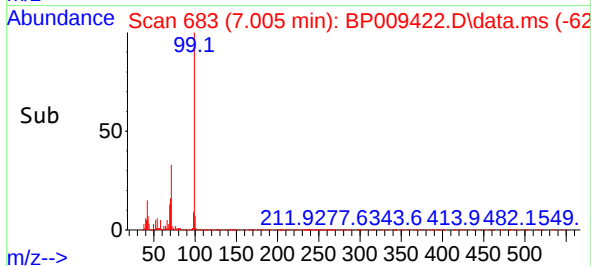
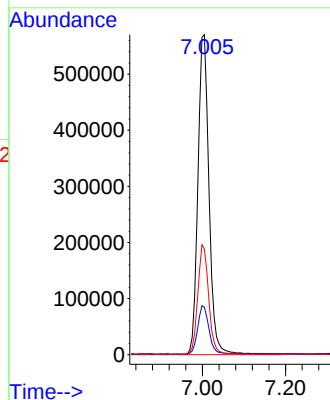
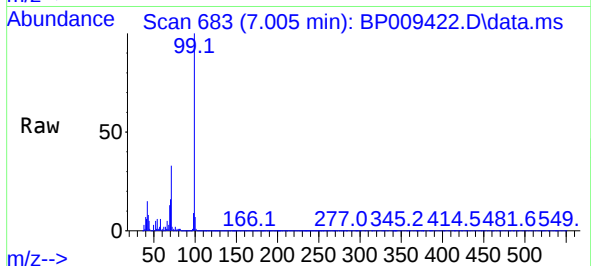
#7
Phenol-d6
Concen: 33.101 ng
RT: 7.005 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL

Tgt Ion: 99 Resp: 106098
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 33.0 26.3 39.5

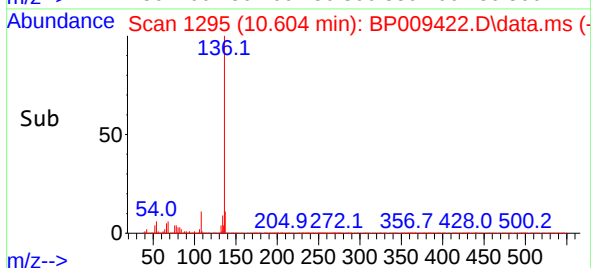
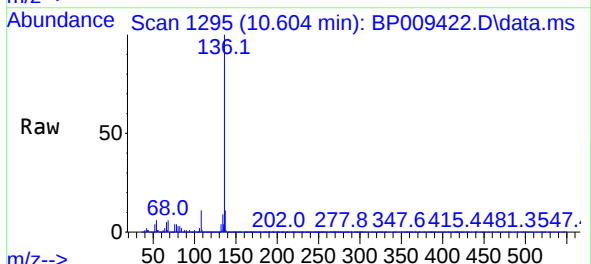
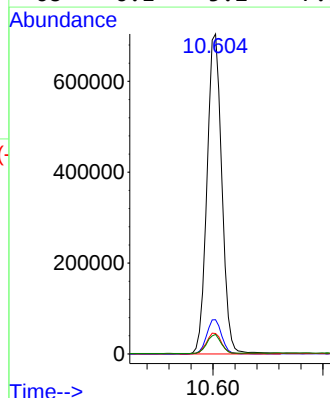
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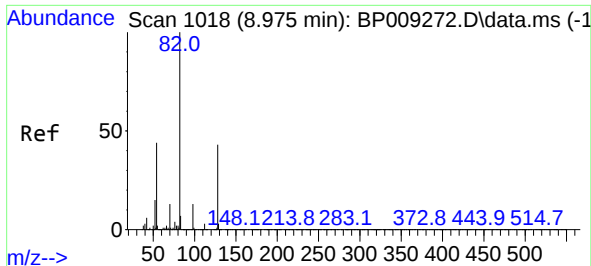
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

Tgt Ion:136 Resp: 1318983
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.4 5.8 8.8
68 6.1 5.2 7.8





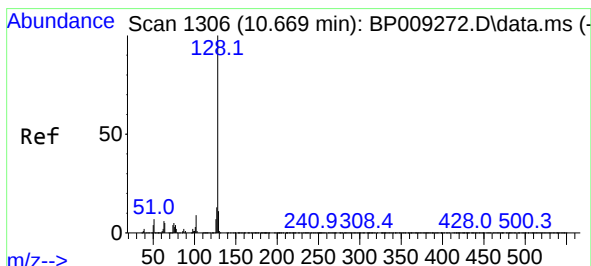
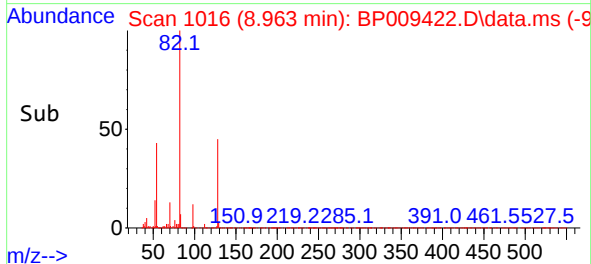
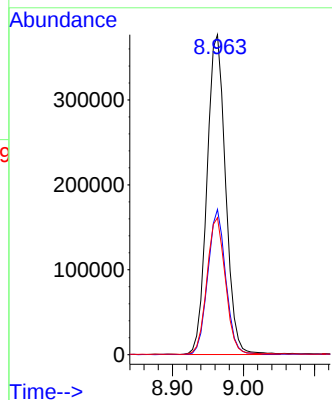
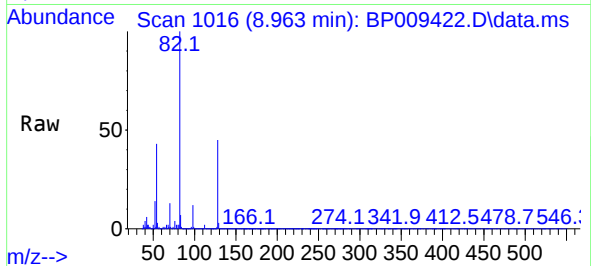
#23
Nitrobenzene-d5
Concen: 28.660 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL

Tgt Ion: 82 Resp: 68632
Ion Ratio Lower Upper
82 100
128 45.4 34.2 51.4
54 42.8 34.7 52.1

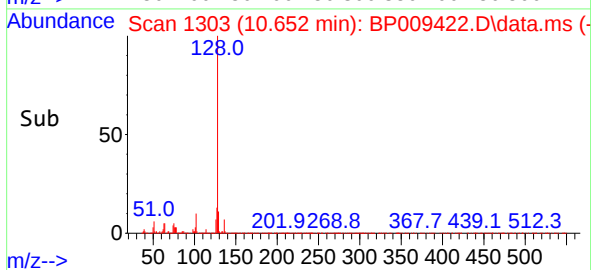
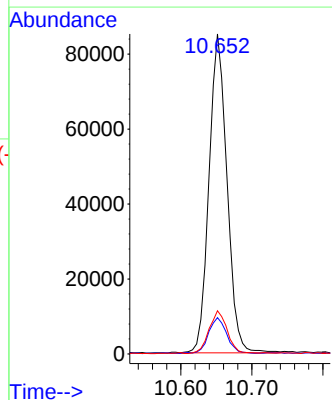
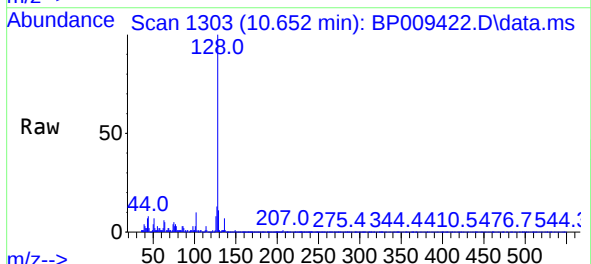
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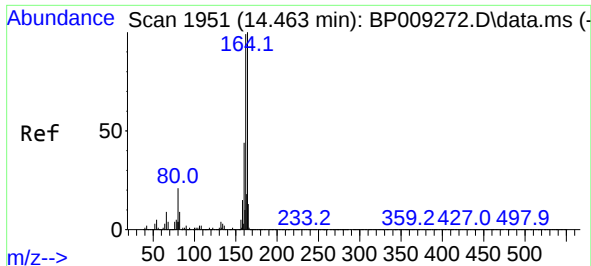
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#31
Naphthalene
Concen: 2.049 ng
RT: 10.652 min Scan# 1303
Delta R.T. -0.018 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

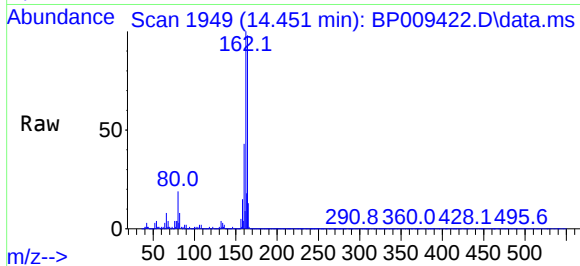
Tgt Ion:128 Resp: 149676
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.5 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

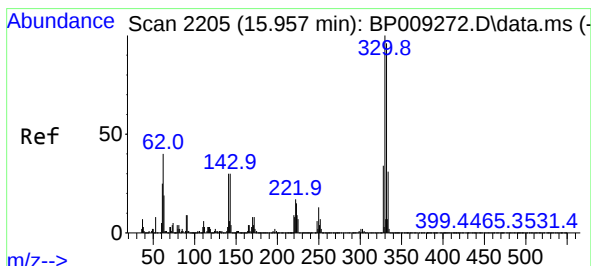
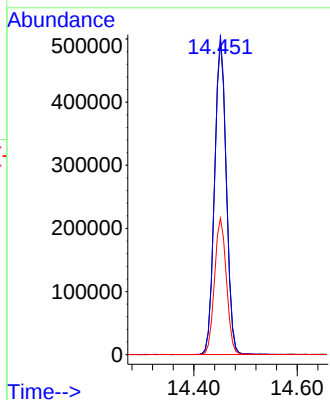
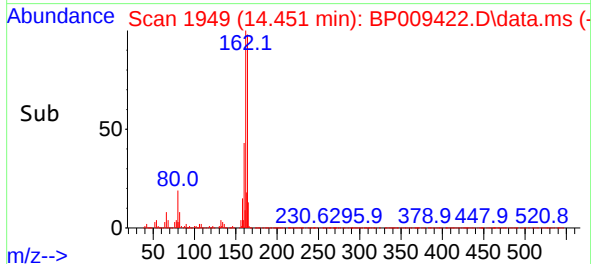
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



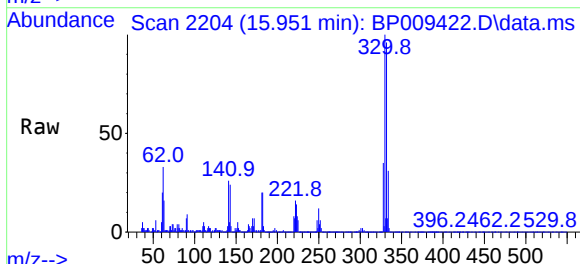
Tgt Ion:164 Resp: 781288
Ion Ratio Lower Upper
164 100
162 102.0 79.1 118.7
160 43.5 34.9 52.3

Manual Integrations
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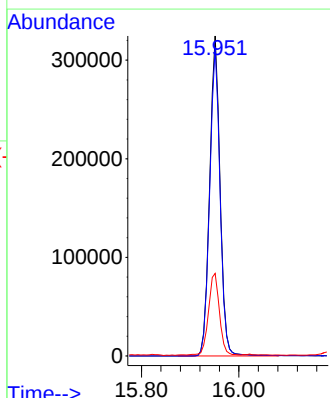
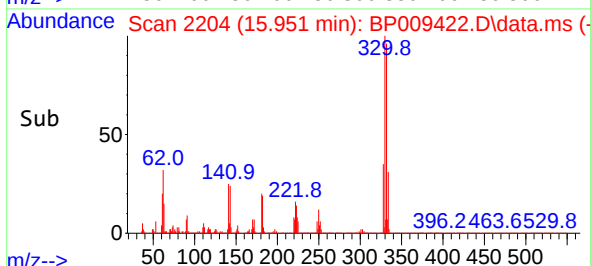
Reviewed By :Christian Giraldo 03/17/2022
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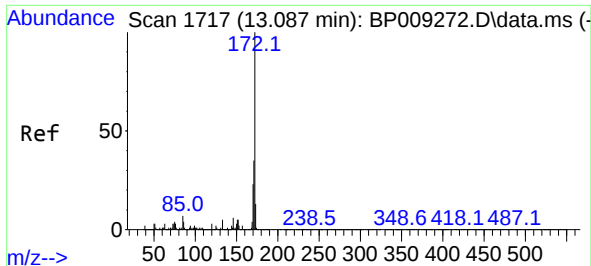


#42
2,4,6-Tribromophenol
Concen: 50.787 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57



Tgt Ion:330 Resp: 479133
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 27.3 27.6 41.4#





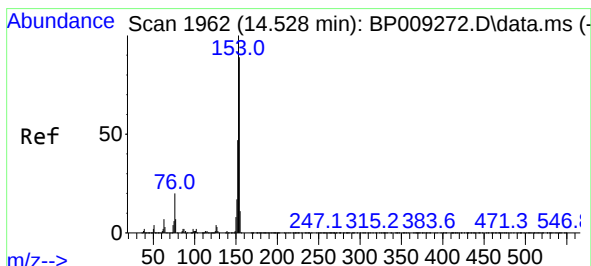
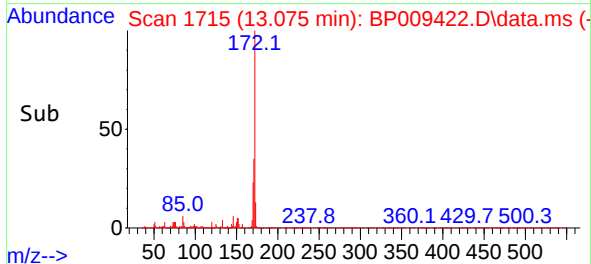
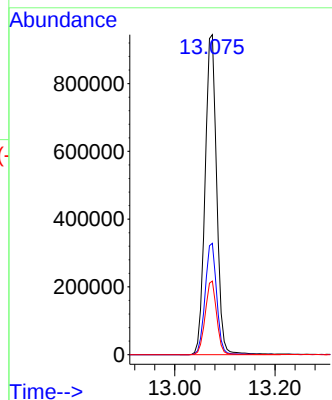
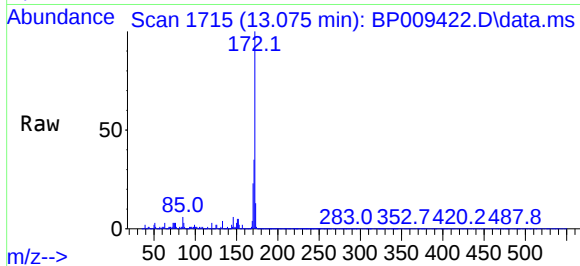
#45
2-Fluorobiphenyl
Concen: 26.759 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL

Tgt Ion:172 Resp: 1520219
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.0 18.6 27.8

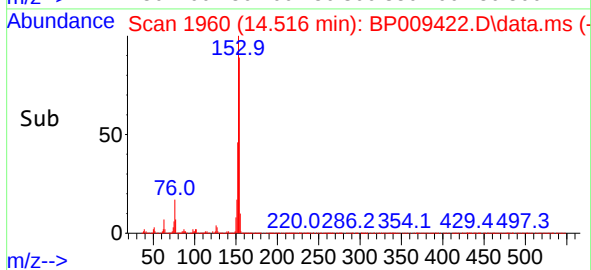
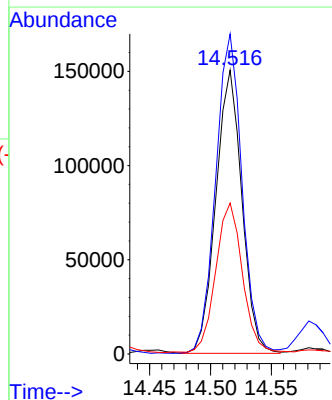
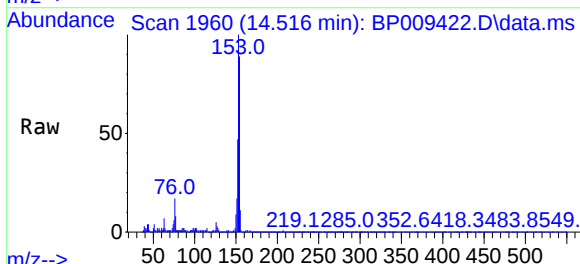
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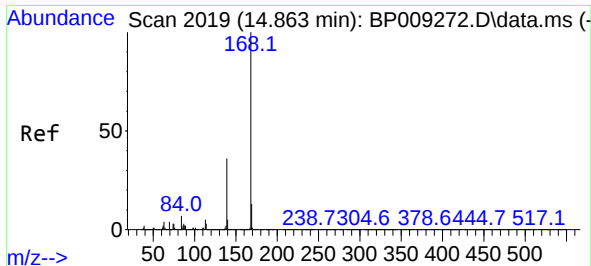
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#52
Acenaphthene
Concen: 4.668 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

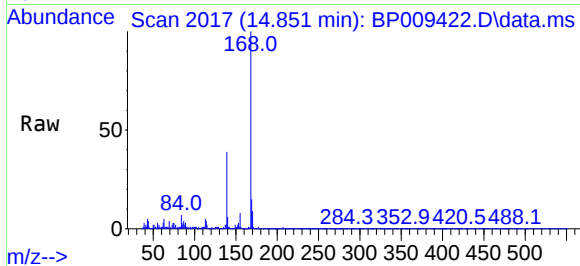
Tgt Ion:154 Resp: 223336
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.4
152 53.1 42.7 64.1





#55
Dibenzenofuran
Concen: 3.530 ng
RT: 14.851 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

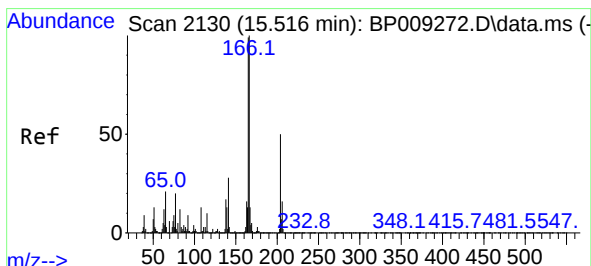
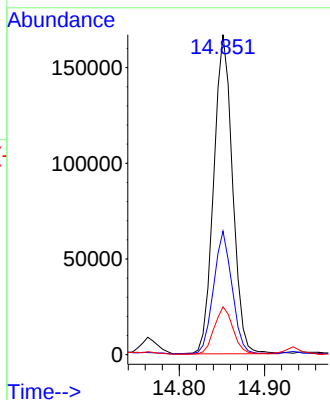
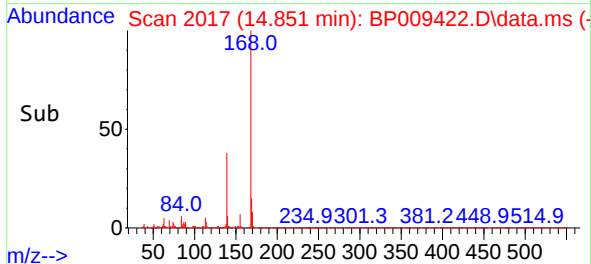
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



Tgt Ion:168 Resp: 255838
Ion Ratio Lower Upper
168 100
139 38.6 29.1 43.7
169 14.9 10.6 16.0

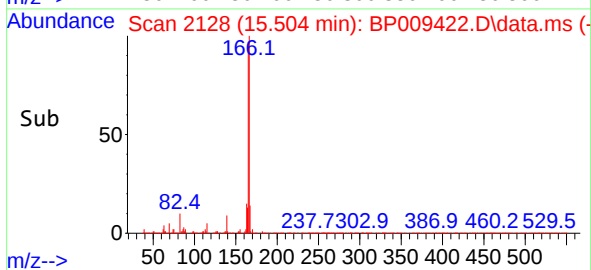
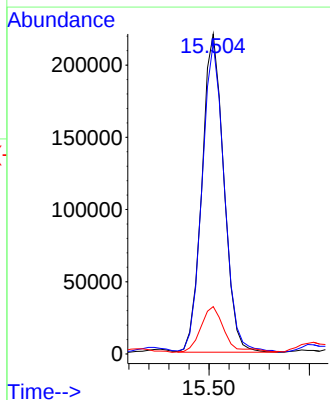
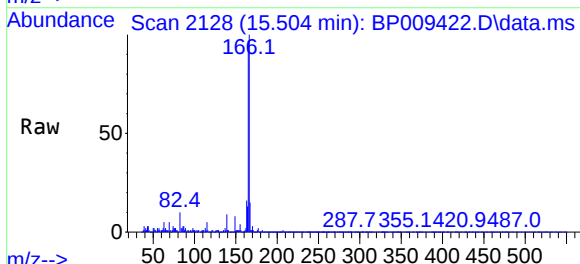
Manual Integrations
APPROVED

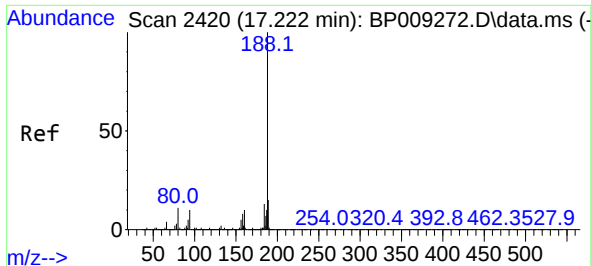
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#58
Fluorene
Concen: 5.887 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

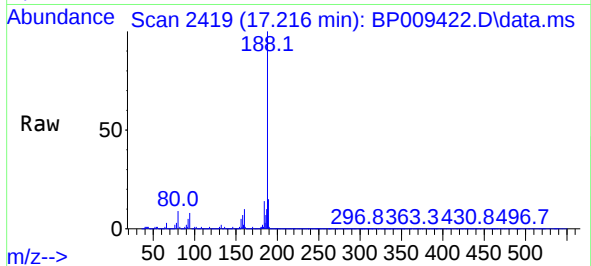
Tgt Ion:166 Resp: 334153
Ion Ratio Lower Upper
166 100
165 97.2 79.2 118.8
167 14.8 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

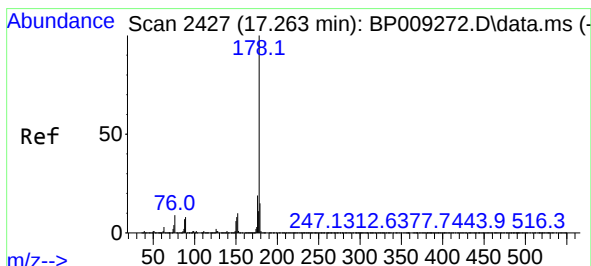
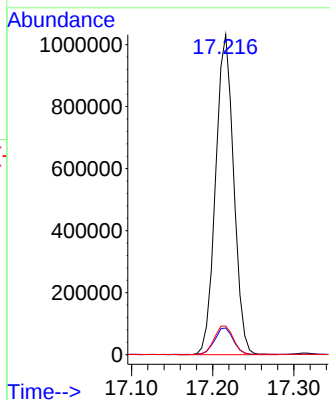
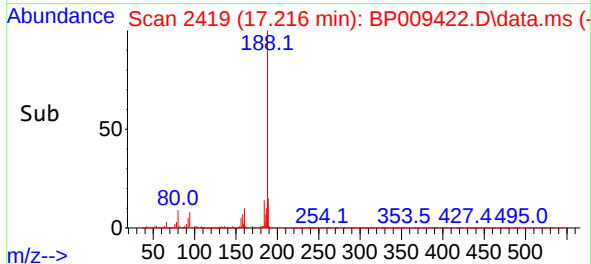
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



Tgt Ion:188 Resp: 1597198
Ion Ratio Lower Upper
188 100
94 8.3 7.9 11.9
80 8.9 8.8 13.2

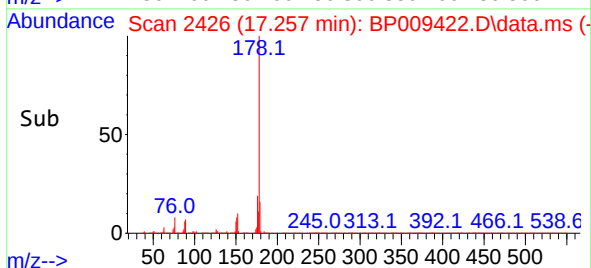
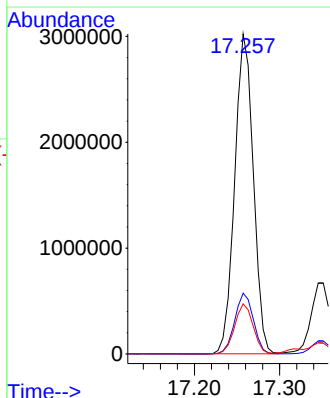
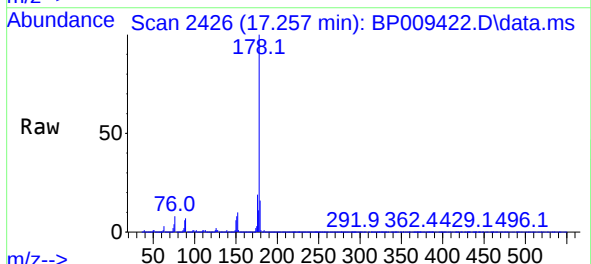
Manual Integrations
APPROVED

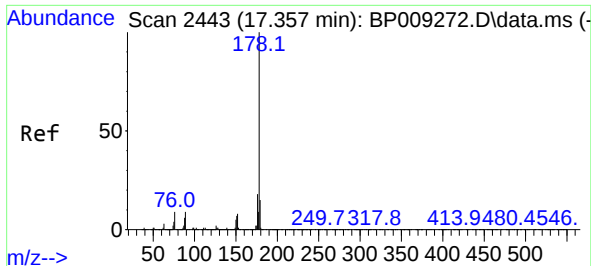
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#71
Phenanthrene
Concen: 49.933 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

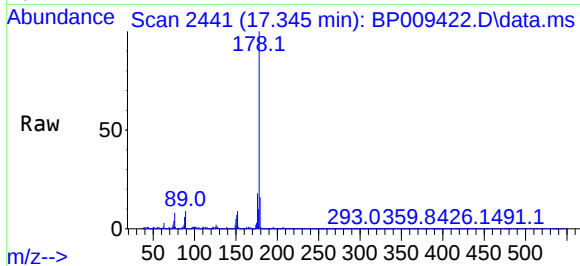
Tgt Ion:178 Resp: 4583419
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.6 12.3 18.5





#72
 Anthracene
 Concen: 11.311 ng
 RT: 17.345 min Scan# 2443
 Delta R.T. -0.012 min
 Lab File: BP009422.D
 Acq: 16 Mar 2022 14:57

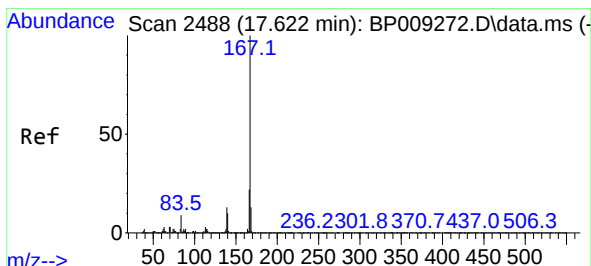
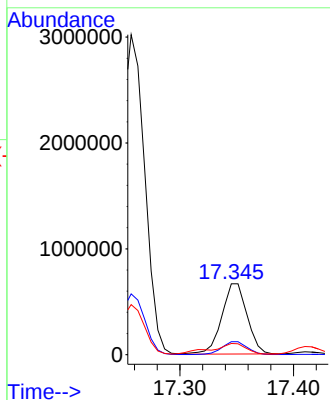
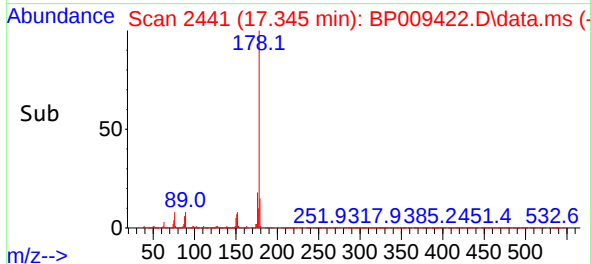
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-BDL



Tgt Ion:178 Resp: 103341
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 15.7 12.2 18.4

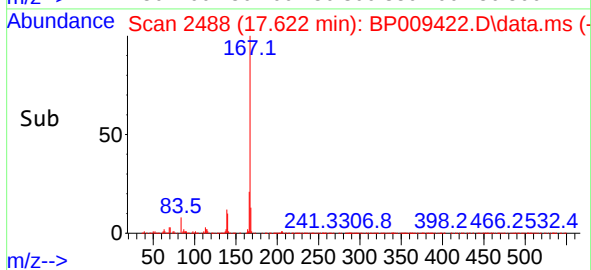
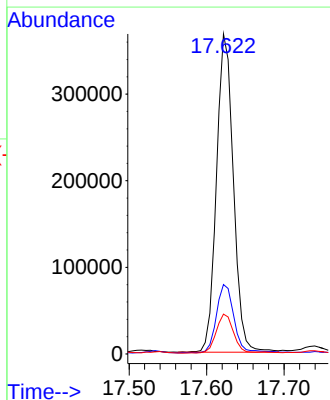
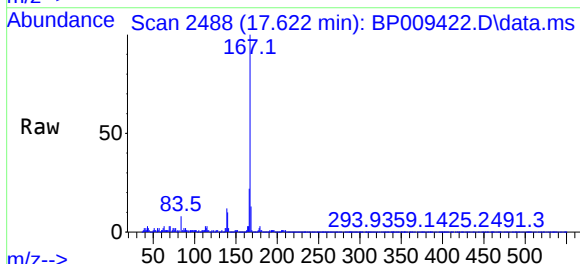
Manual Integrations
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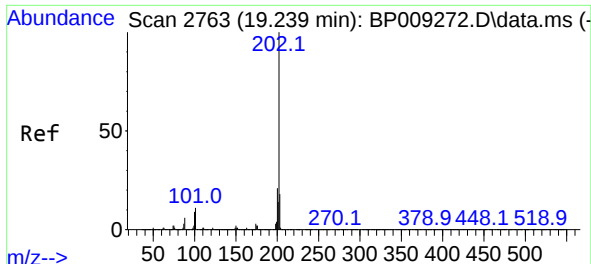
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022



#73
 Carbazole
 Concen: 6.696 ng
 RT: 17.622 min Scan# 2488
 Delta R.T. 0.000 min
 Lab File: BP009422.D
 Acq: 16 Mar 2022 14:57

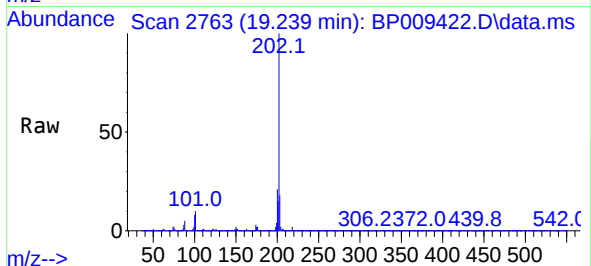
Tgt Ion:167 Resp: 557487
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.2 25.8
 139 12.4 10.3 15.5





#75
Fluoranthene
Concen: 58.646 ng
RT: 19.239 min Scan# 2763
Delta R.T. 0.000 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

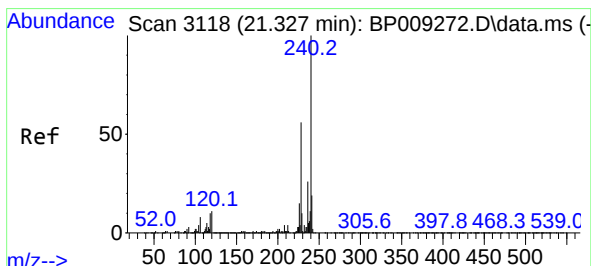
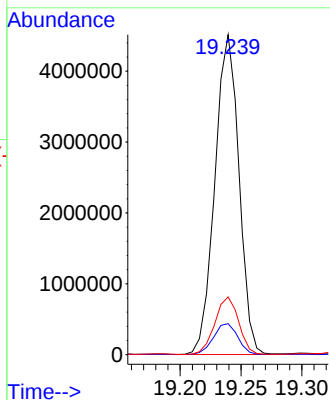
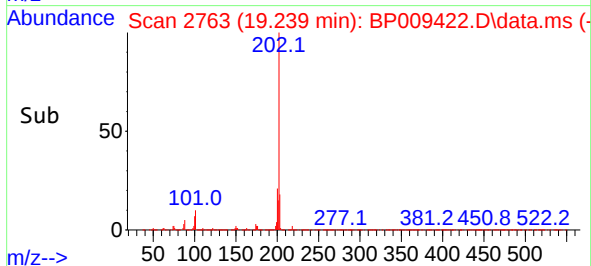
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



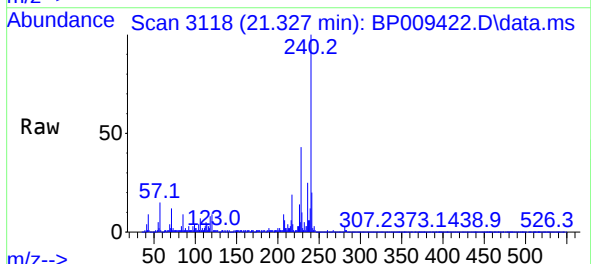
Tgt Ion:202 Resp: 621351
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.5
203 18.1 0.0 37.8

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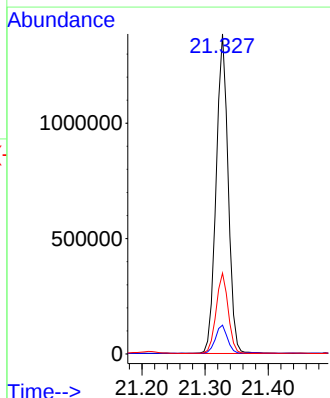
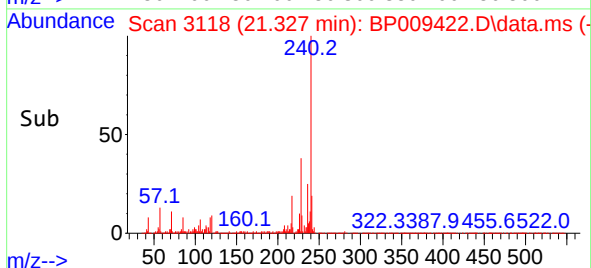
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

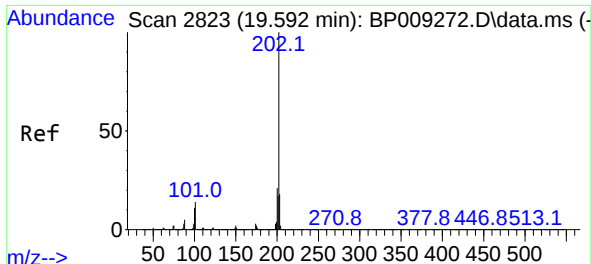


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57



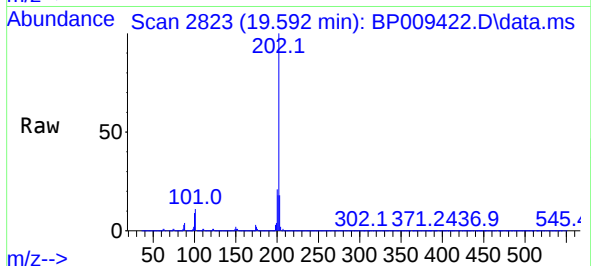
Tgt Ion:240 Resp: 1821998
Ion Ratio Lower Upper
240 100
120 9.0 9.0 13.4
236 25.2 20.6 30.8





#78
Pyrene
Concen: 46.083 ng
RT: 19.592 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

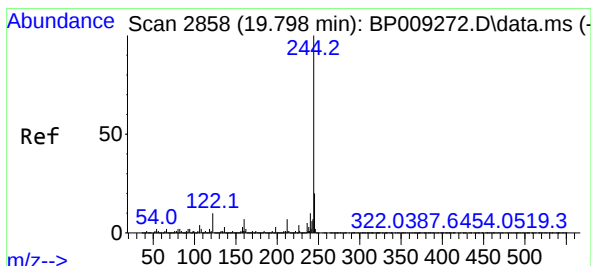
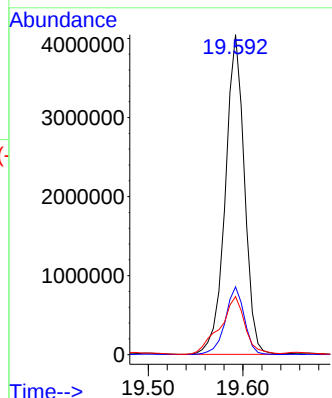
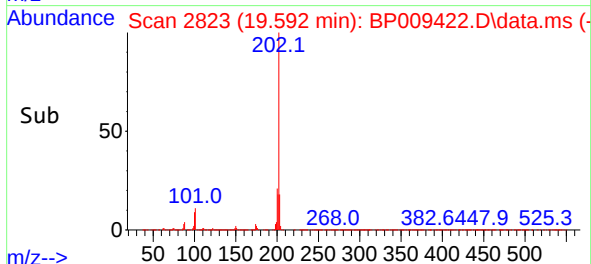
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



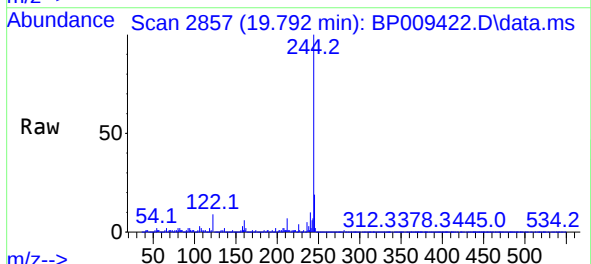
Tgt Ion:202 Resp: 566900
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 18.2 14.2 21.4

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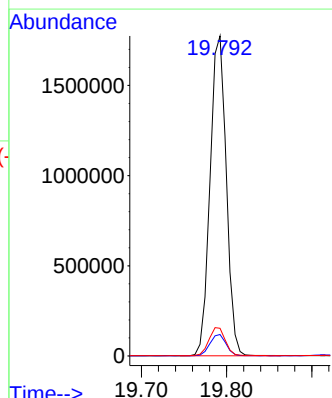
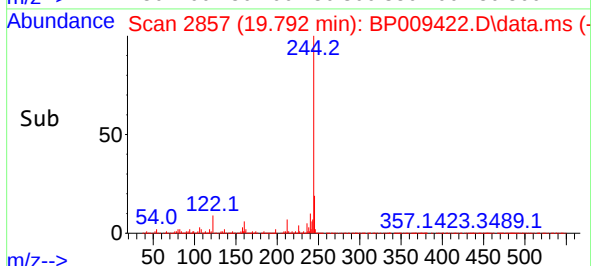
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

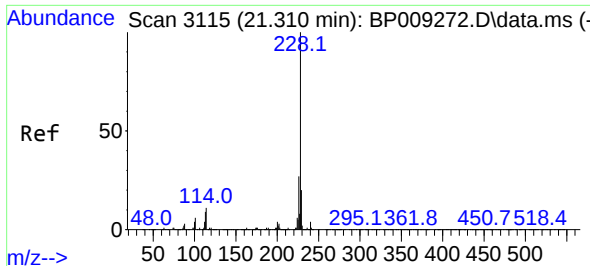


#79
Terphenyl-d14
Concen: 24.335 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57



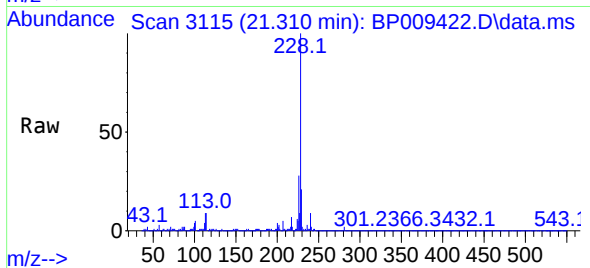
Tgt Ion:244 Resp: 2349475
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 8.6 8.3 12.5





#81
Benzo(a)anthracene
Concen: 28.226 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

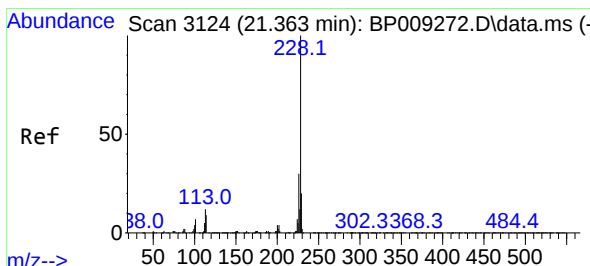
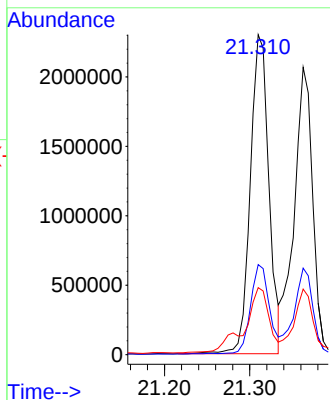
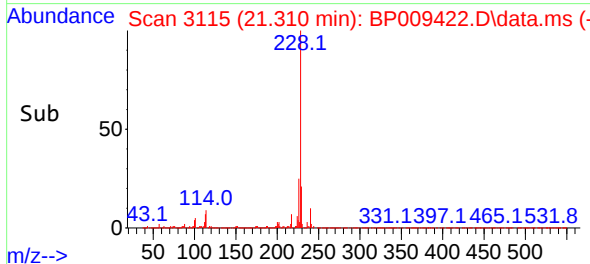
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



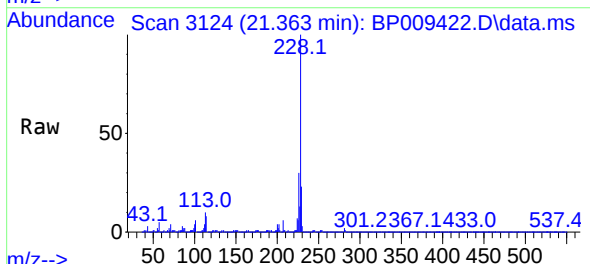
Tgt Ion:228 Resp: 348578
Ion Ratio Lower Upper
228 100
226 28.1 22.0 33.0
229 21.0 16.1 24.1

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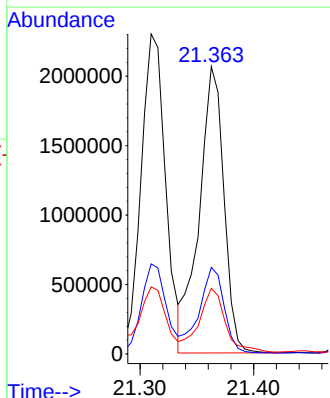
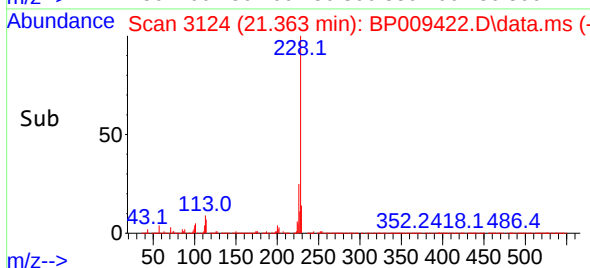
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

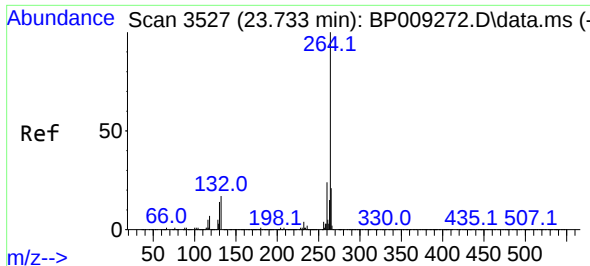


#83
Chrysene
Concen: 26.035 ng
RT: 21.363 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57



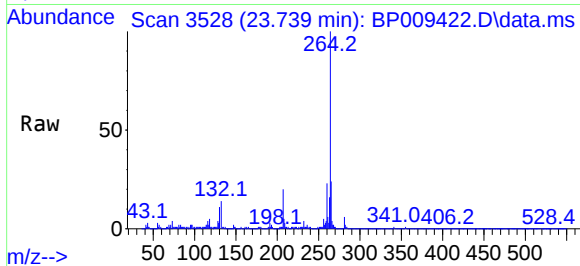
Tgt Ion:228 Resp: 3121666
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 22.8 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.739 min Scan# 3527
 Delta R.T. 0.006 min
 Lab File: BP009422.D
 Acq: 16 Mar 2022 14:57

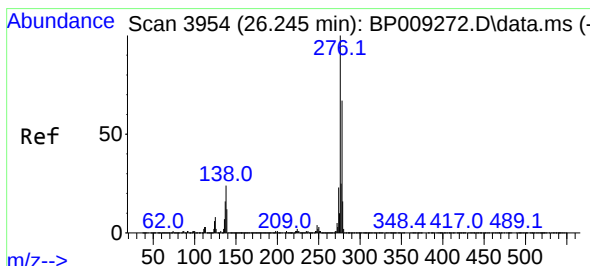
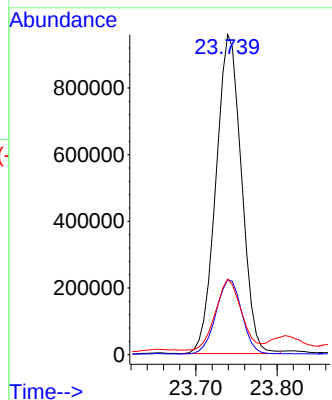
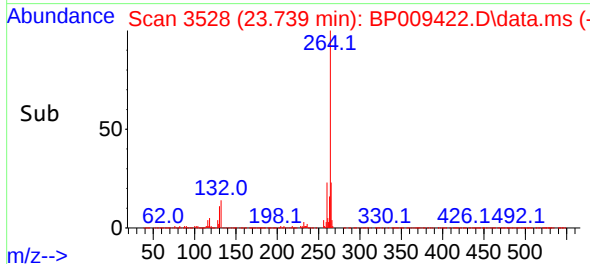
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-BDL



Tgt Ion: 264 Resp: 2092094
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.0
 265 23.7 17.2 25.8

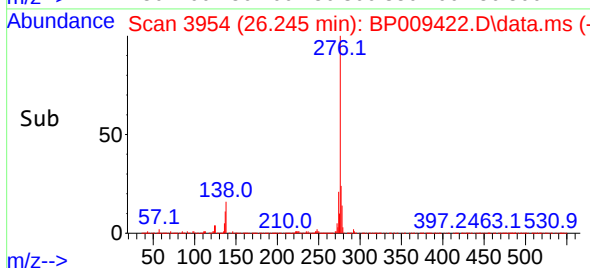
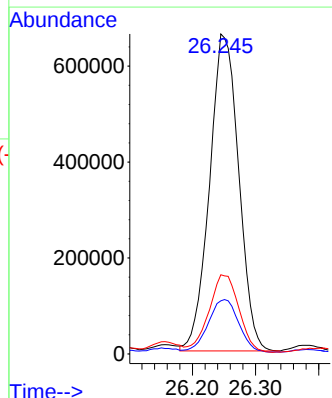
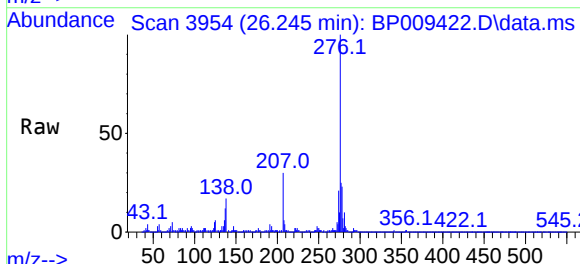
Manual Integrations
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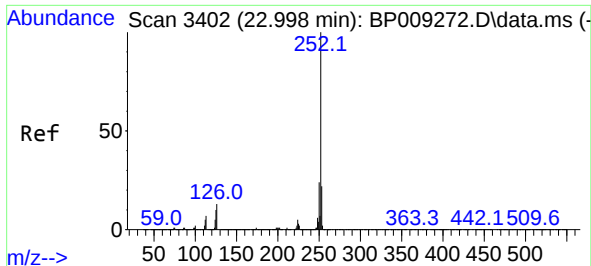
Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.043 ng
 RT: 26.245 min Scan# 3954
 Delta R.T. 0.000 min
 Lab File: BP009422.D
 Acq: 16 Mar 2022 14:57

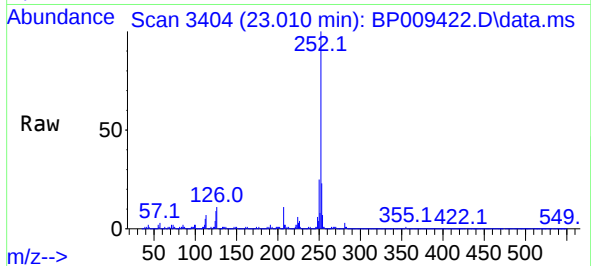
Tgt Ion: 276 Resp: 2120004
 Ion Ratio Lower Upper
 276 100
 138 17.3 20.5 30.7#
 277 25.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 29.798 ng m
RT: 23.010 min Scan# 3404
Delta R.T. 0.012 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

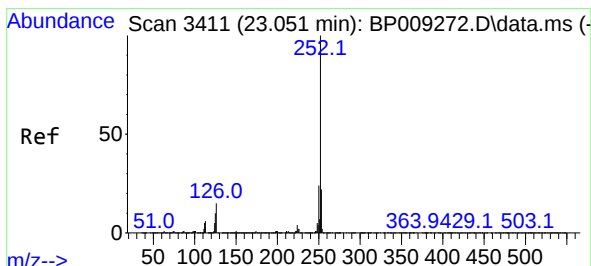
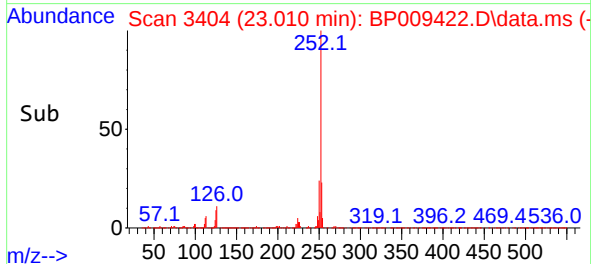
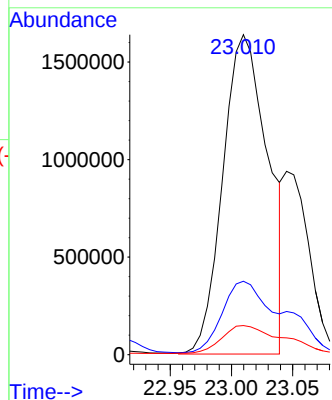
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



Tgt Ion:252 Resp: 420909
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 9.1 8.1 12.1

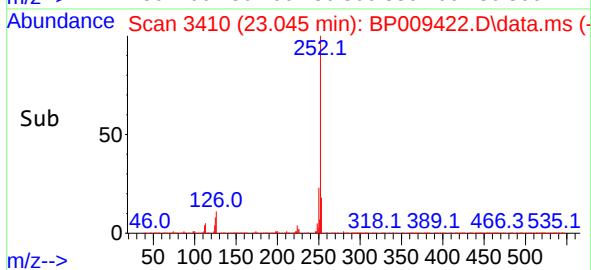
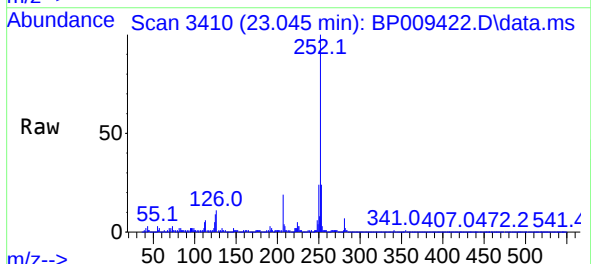
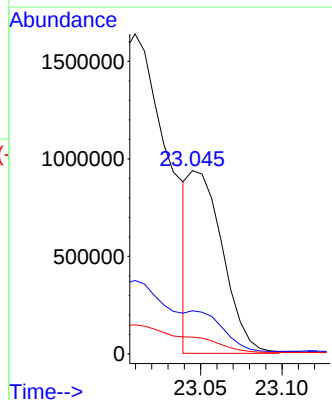
Manual Integrations
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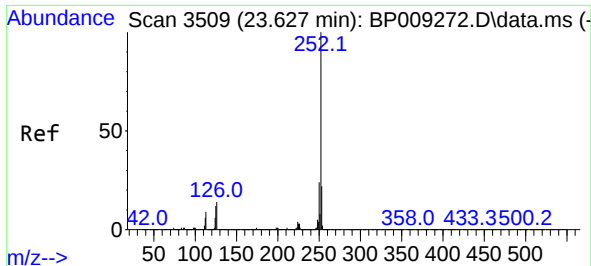
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#89
Benzo(k)fluoranthene
Concen: 10.009 ng m
RT: 23.045 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

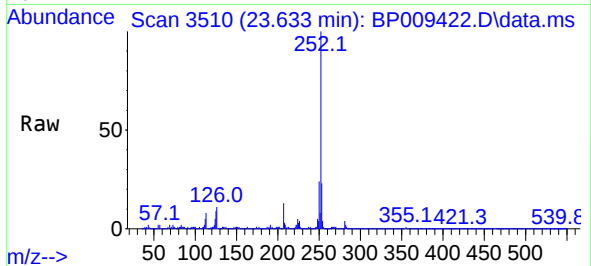
Tgt Ion:252 Resp: 1350715
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.2 8.3 12.5





#90
Benzo(a)pyrene
Concen: 23.019 ng
RT: 23.633 min Scan# 3083910
Delta R.T. 0.006 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

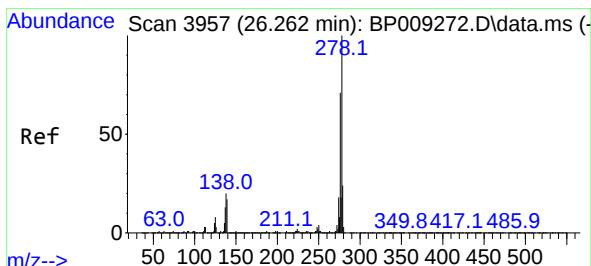
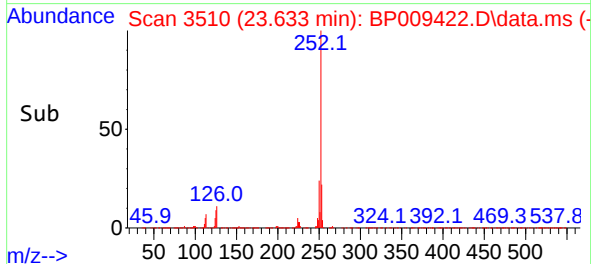
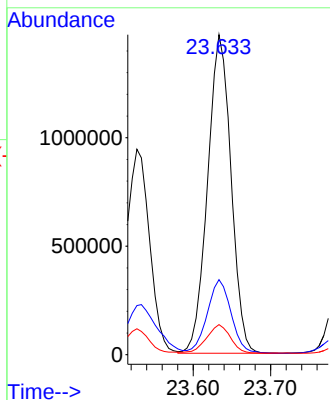
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



Tgt Ion:252 Resp: 3083910
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 9.4 9.3 13.9

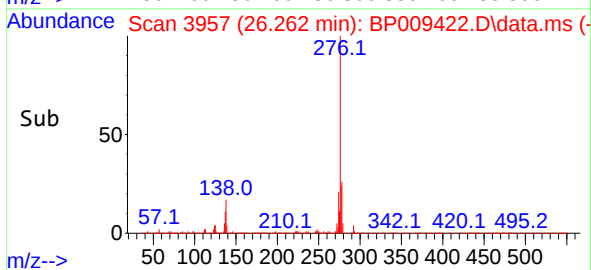
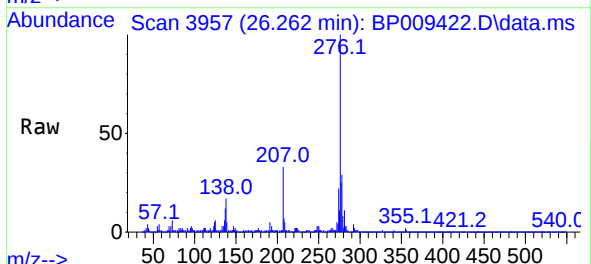
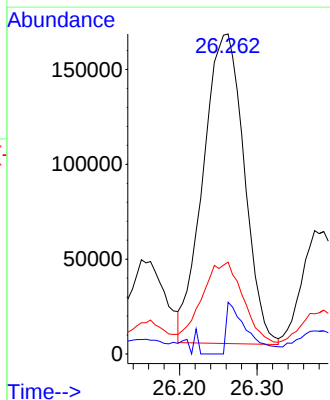
Manual Integrations
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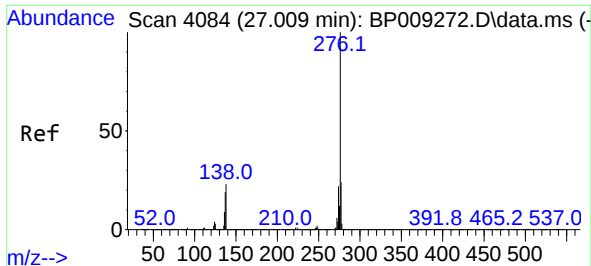
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.347 ng
RT: 26.262 min Scan# 3957
Delta R.T. 0.000 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

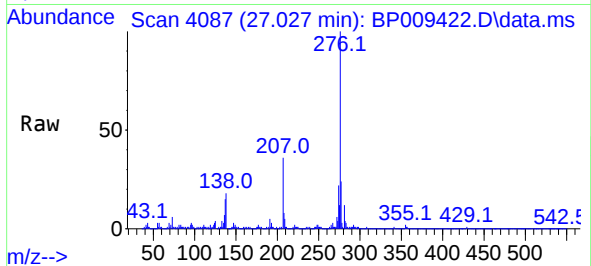
Tgt Ion:278 Resp: 599086
Ion Ratio Lower Upper
278 100
139 16.1 13.2 19.8
279 28.7 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 15.128 ng
RT: 27.027 min Scan# 4087
Delta R.T. 0.018 min
Lab File: BP009422.D
Acq: 16 Mar 2022 14:57

Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-BDL



Tgt Ion:276 Resp: 205984
Ion Ratio Lower Upper
276 100
277 24.4 19.2 28.8
138 17.5 18.0 27.0

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Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

