

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031622\
 Data File : BP009423.D
 Acq On : 16 Mar 2022 15:30
 Operator : CG/JU
 Sample : N1918-07DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 16 16:02:15 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	7.805	152	529916	20.000	ng	-0.02
21) Naphthalene-d8	10.599	136	2160983	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	1407108	20.000	ng	-0.01
64) Phenanthrene-d10	17.210	188	2796000	20.000	ng	-0.01
76) Chrysene-d12	21.322	240	1944546	20.000	ng	0.00
86) Perylene-d12	23.733	264	1954299	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	242726	6.686	ng	0.00
7) Phenol-d6	6.999	99	428720	9.293	ng	0.01
23) Nitrobenzene-d5	8.963	82	300291	7.654	ng	-0.01
42) 2,4,6-Tribromophenol	15.945	330	106633	6.276	ng	-0.01
45) 2-Fluorobiphenyl	13.069	172	738757	7.220	ng	-0.02
79) Terphenyl-d14	19.786	244	922263	8.950	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.652	128	528701	4.418	ng	100
52) Acenaphthene	14.510	154	336809	3.909	ng	98
55) Dibenzofuran	14.851	168	379311	2.906	ng	97
58) Fluorene	15.504	166	514852	5.037	ng	99
71) Phenanthrene	17.257	178	6214705	38.676	ng	100
72) Anthracene	17.345	178	1220356	7.630	ng	100
73) Carbazole	17.622	167	510030	3.500	ng	100
75) Fluoranthene	19.233	202	5898058	31.800	ng	98
78) Pyrene	19.586	202	5101016	38.853	ng	99
81) Benzo(a)anthracene	21.310	228	2271013	17.231	ng	99
83) Chrysene	21.363	228	1987028	15.528	ng	98
87) Indeno(1,2,3-cd)pyrene	26.239	276	1063481	7.004	ng	# 92
88) Benzo(b)fluoranthene	23.004	252	2258892m	17.119	ng	
89) Benzo(k)fluoranthene	23.039	252	687082m	5.450	ng	
90) Benzo(a)pyrene	23.627	252	1620133	12.946	ng	97
91) Dibenzo(a,h)anthracene	26.245	278	286358m	2.224	ng	
92) Benzo(g,h,i)perylene	27.009	276	1039778	8.175	ng	# 94

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

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/17/2022

Abundance

TIC: BP009423.D\data.ms

Time-->

2-Fluorophenol, S

Phenol-d6, S

1,4-Dichlorobenzene-d4, l

Nitrobenzene-d5, S

Naphthalene

Naphthalene-d8, l

2-Fluorobiphenyl, S

Acenaphthene

Acenaphthene-d10, l

Dibenzo(f,h)anthracene

Fluorene

2,4,6-Tribromophenol, S

Anthracene

Carbazole

Terphenyl-d14, S

Benzo(a)fluoranthene

Benzo(b)fluoranthene

Benzo(a)pyrene

Dibenzo(a,h)perylene

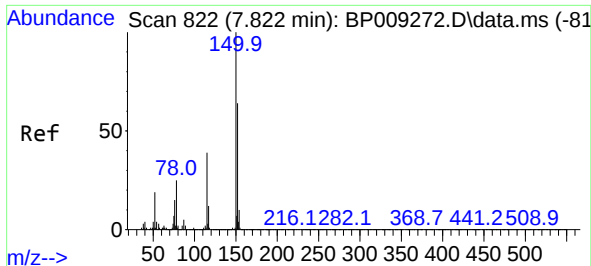
Benzo(g,h,i)perylene

Phenanthrene

Fluoranthene

Pyrene

Chrysene



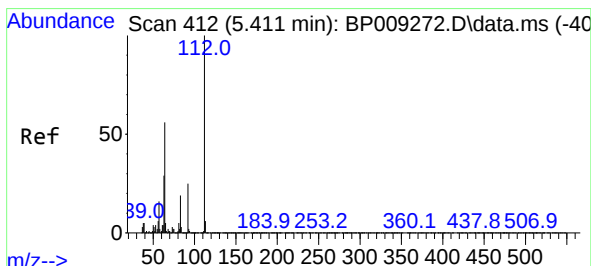
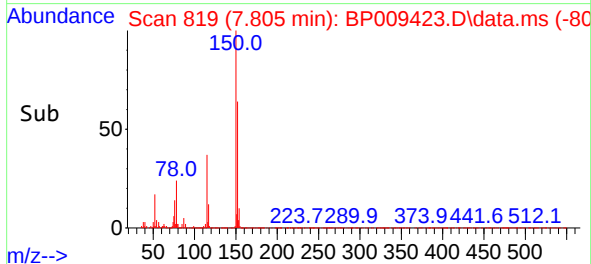
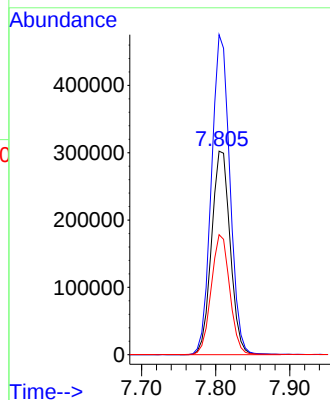
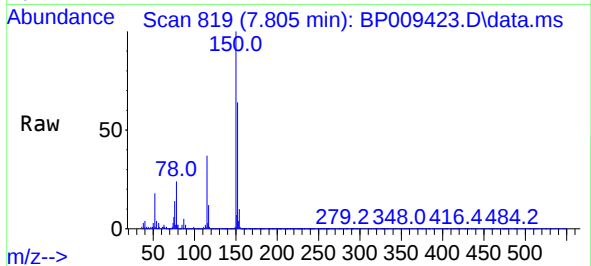
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

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

Tgt Ion:152 Resp: 529910
Ion Ratio Lower Upper
152 100
150 157.2 124.5 186.7
115 58.9 48.2 72.4

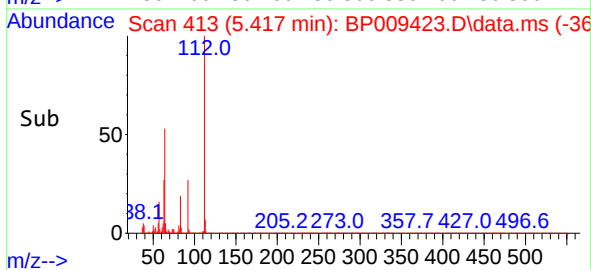
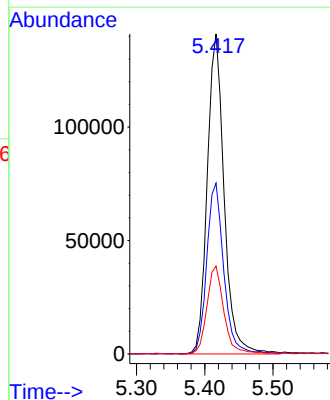
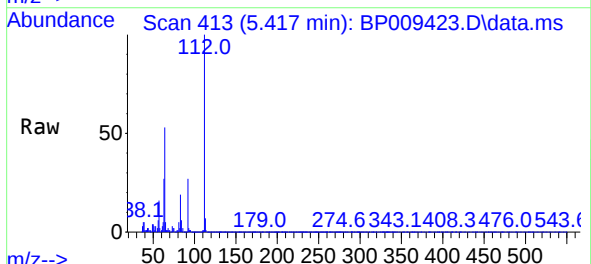
Manual Integrations
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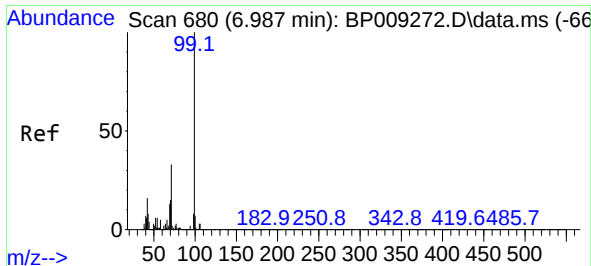
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#5
2-Fluorophenol
Concen: 6.686 ng
RT: 5.417 min Scan# 413
Delta R.T. 0.006 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

Tgt Ion:112 Resp: 242726
Ion Ratio Lower Upper
112 100
64 53.3 45.0 67.4
63 27.5 23.0 34.6





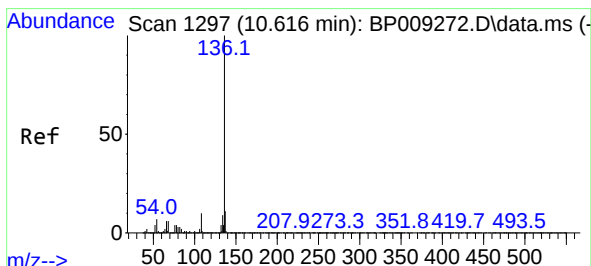
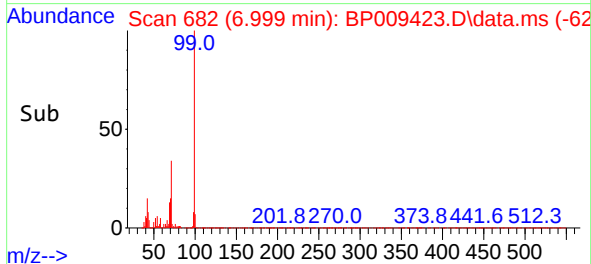
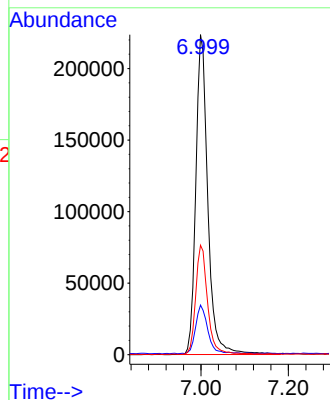
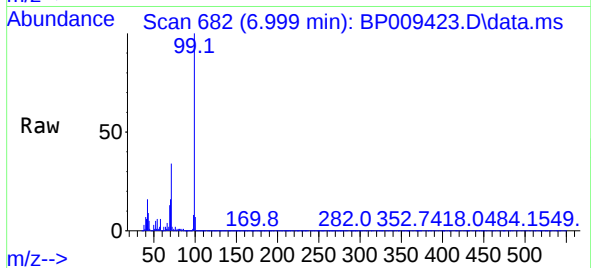
#7
Phenol-d6
Concen: 9.293 ng
RT: 6.999 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

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

Tgt Ion: 99 Resp: 428720
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 34.2 26.3 39.5

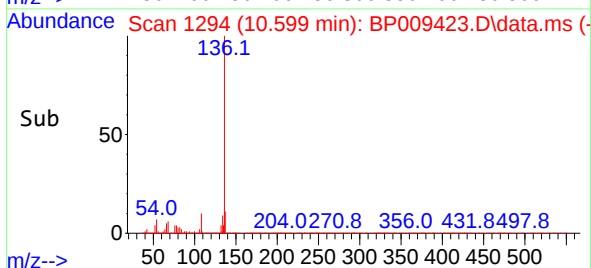
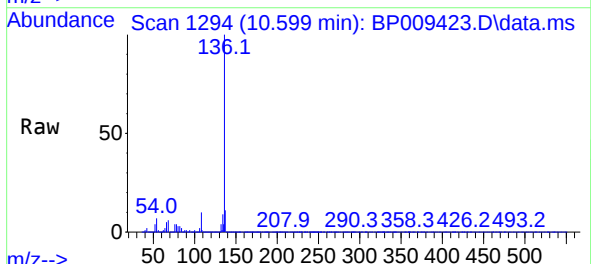
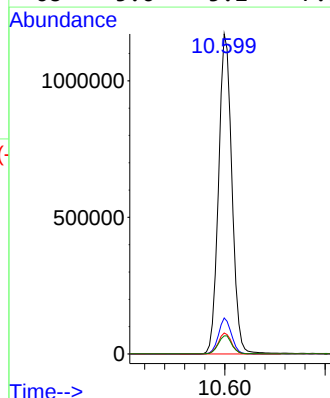
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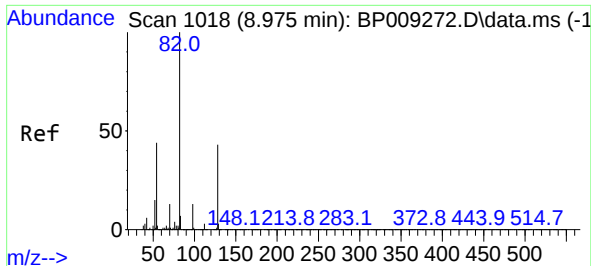
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.017 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

Tgt Ion:136 Resp: 2160983
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 6.5 5.8 8.8
68 5.6 5.2 7.8





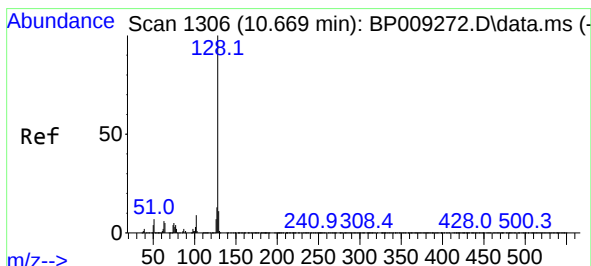
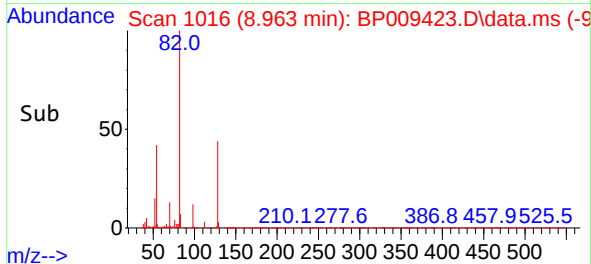
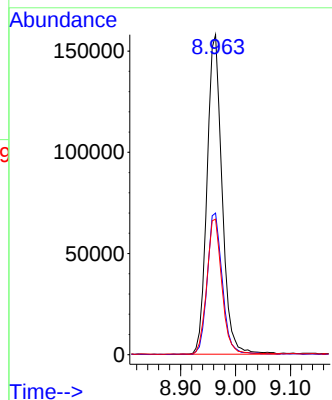
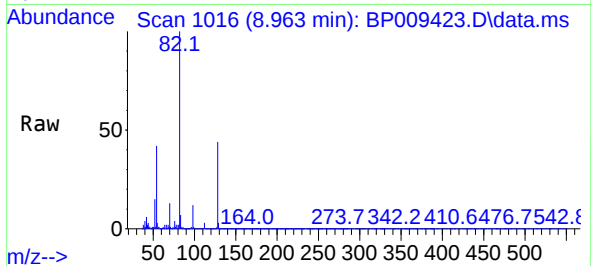
#23
Nitrobenzene-d5
Concen: 7.654 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

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

Tgt Ion: 82 Resp: 30029
Ion Ratio Lower Upper
82 100
128 44.3 34.2 51.4
54 42.3 34.7 52.1

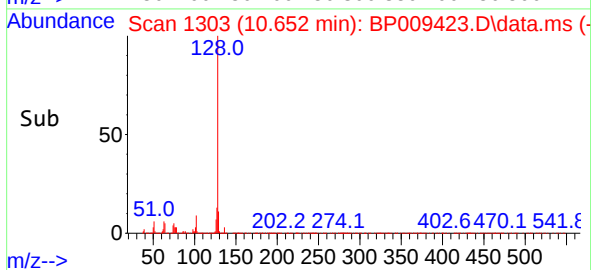
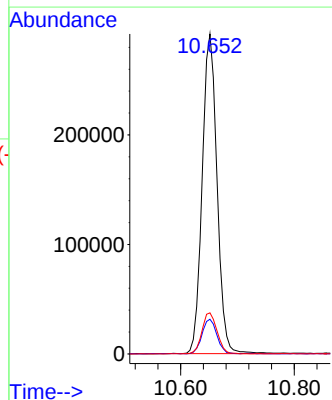
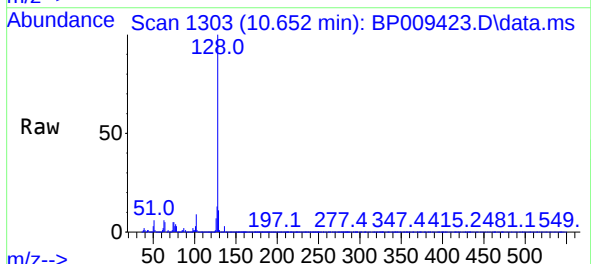
Manual Integrations
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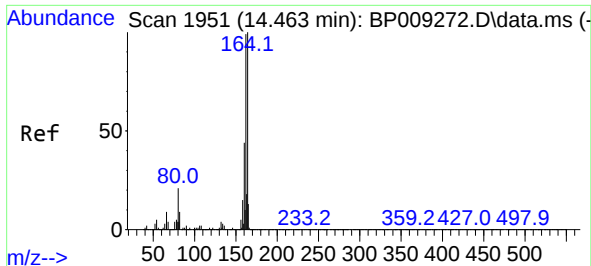
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#31
Naphthalene
Concen: 4.418 ng
RT: 10.652 min Scan# 1303
Delta R.T. -0.018 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

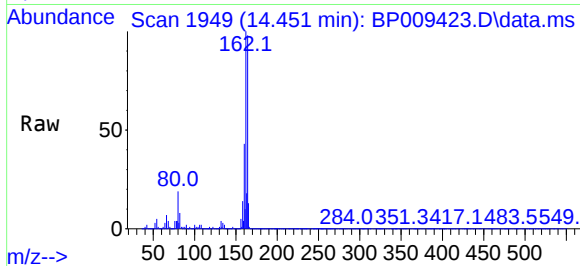
Tgt Ion:128 Resp: 528701
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

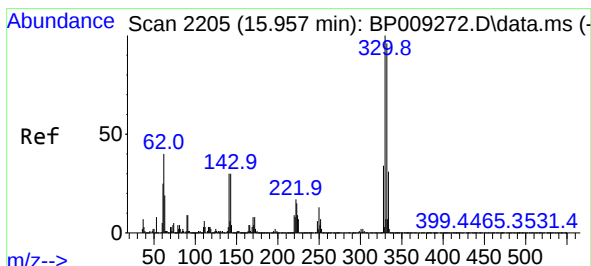
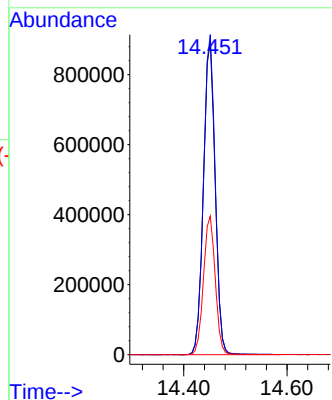
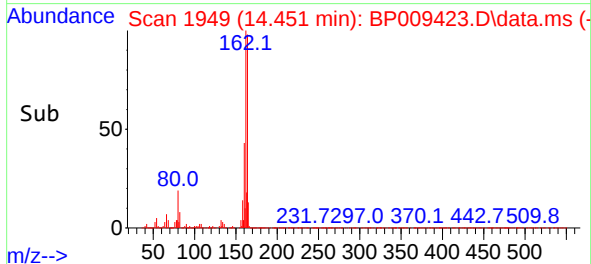
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-ADL



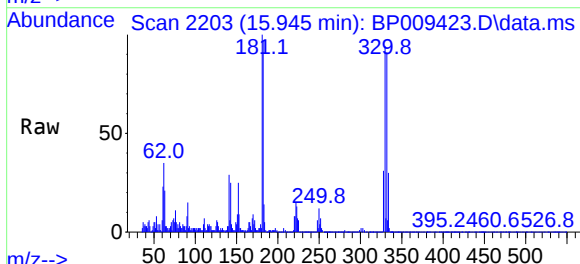
Tgt Ion:164 Resp: 1407108
Ion Ratio Lower Upper
164 100
162 102.3 79.1 118.7
160 44.3 34.9 52.3

Manual Integrations
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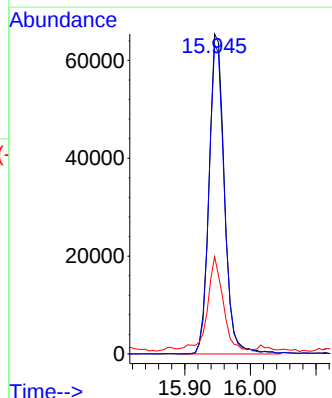
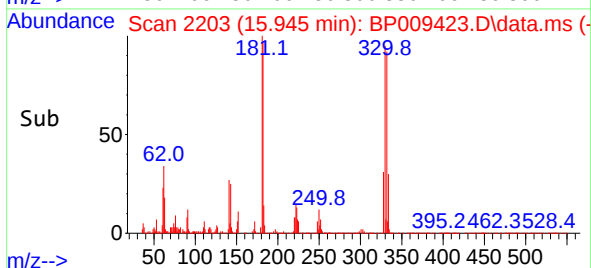
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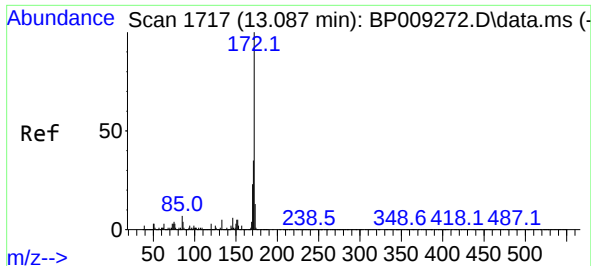


#42
2,4,6-Tribromophenol
Concen: 6.276 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30



Tgt Ion:330 Resp: 106633
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 29.5 27.6 41.4





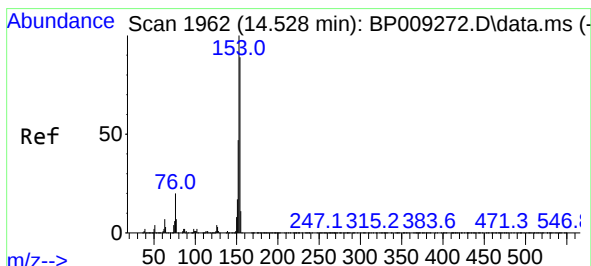
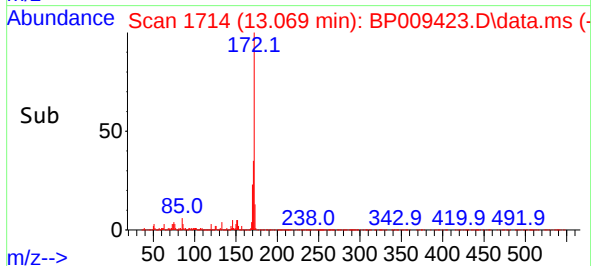
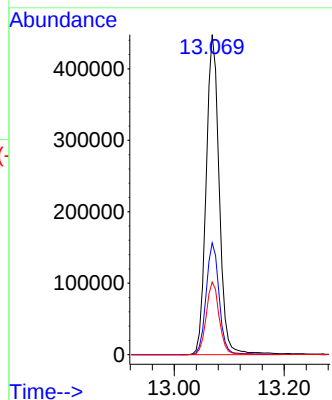
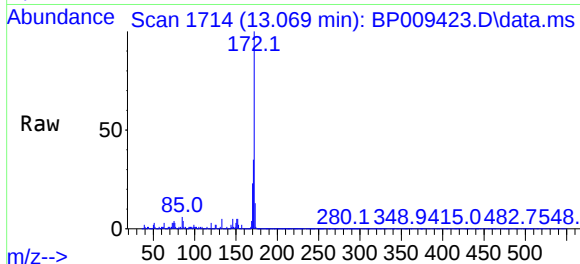
#45
2-Fluorobiphenyl
Concen: 7.220 ng
RT: 13.069 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

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

Tgt Ion:172 Resp: 73875
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 22.7 18.6 27.8

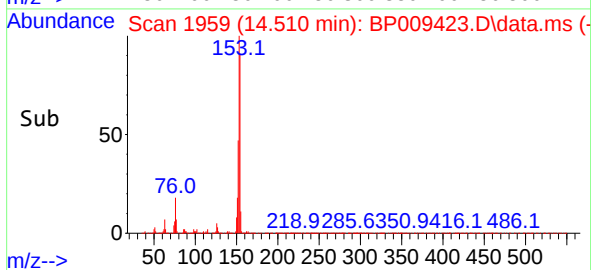
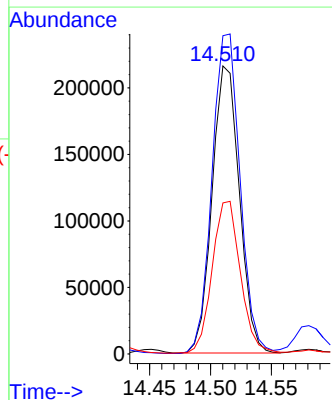
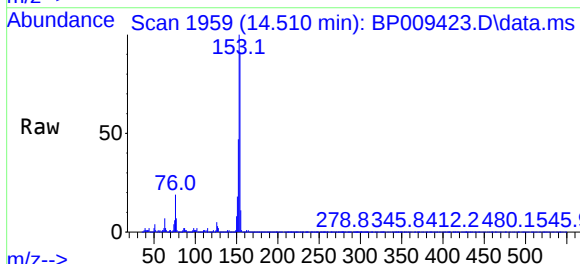
Manual Integrations
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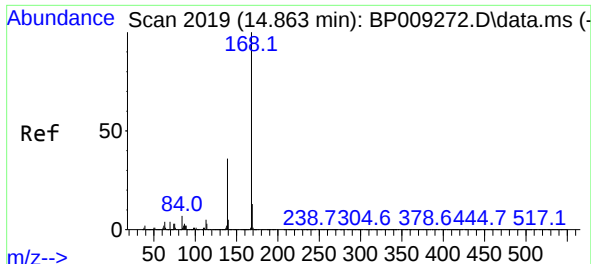
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#52
Acenaphthene
Concen: 3.909 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.018 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

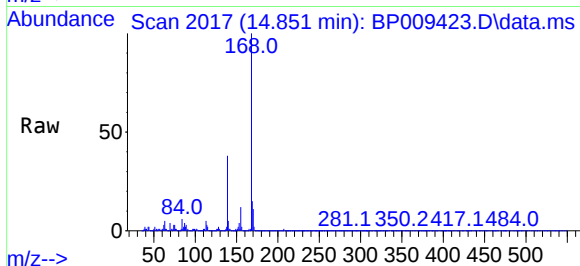
Tgt Ion:154 Resp: 336809
Ion Ratio Lower Upper
154 100
153 110.5 90.2 135.4
152 52.5 42.7 64.1





#55
Dibenzenofuran
Concen: 2.906 ng
RT: 14.851 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

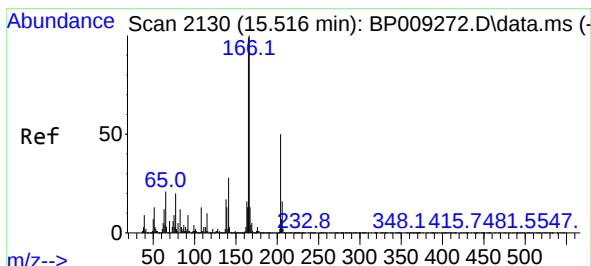
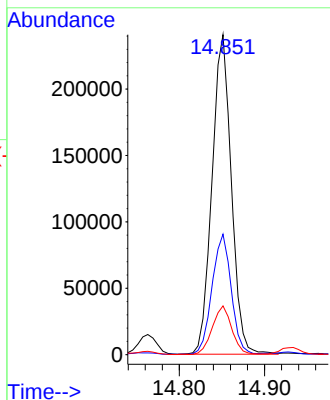
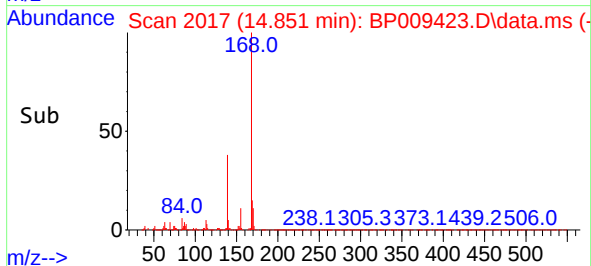
Instrument :
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JDSH-TB-STOCKPILE-ADL



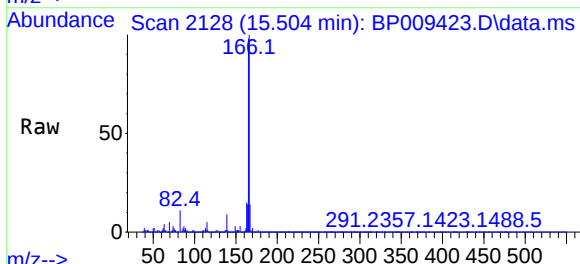
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Ion Ratio Lower Upper
168 100
139 37.6 29.1 43.7
169 15.3 10.6 16.0

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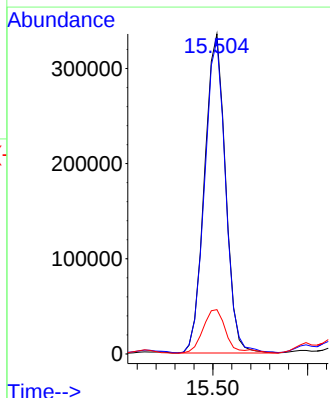
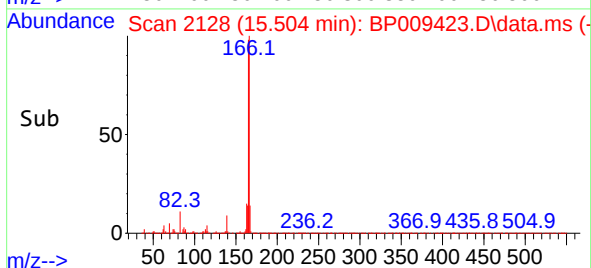
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

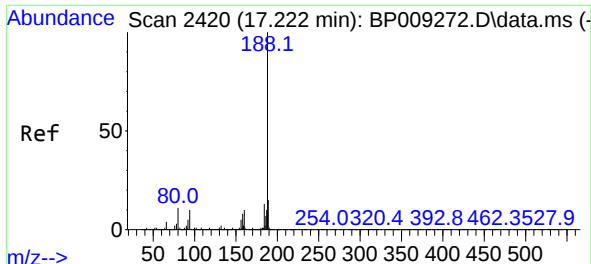


#58
Fluorene
Concen: 5.037 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30



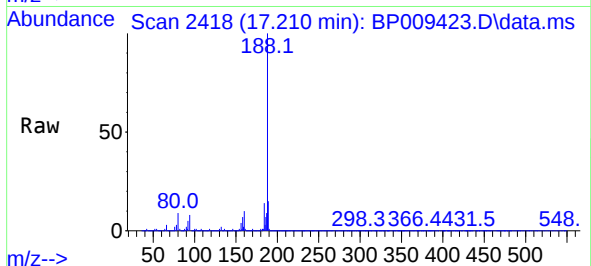
Tgt Ion:166 Resp: 514852
Ion Ratio Lower Upper
166 100
165 98.1 79.2 118.8
167 13.9 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

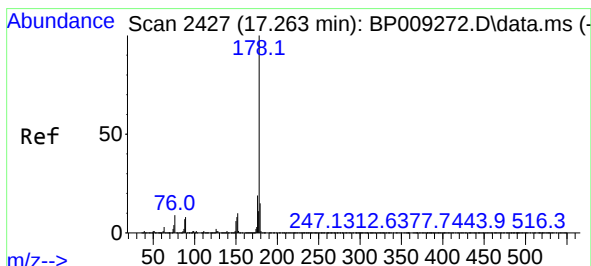
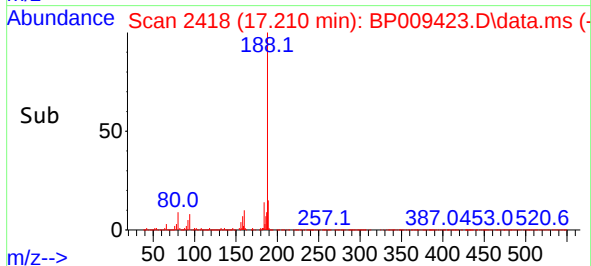
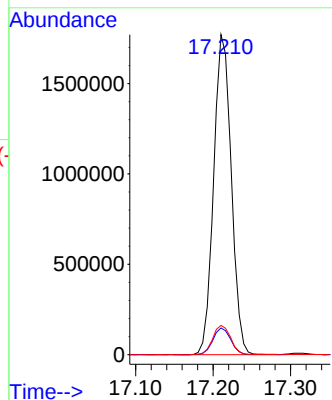
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-ADL



Tgt Ion:188 Resp: 2796000
Ion Ratio Lower Upper
188 100
94 8.4 7.9 11.9
80 9.2 8.8 13.2

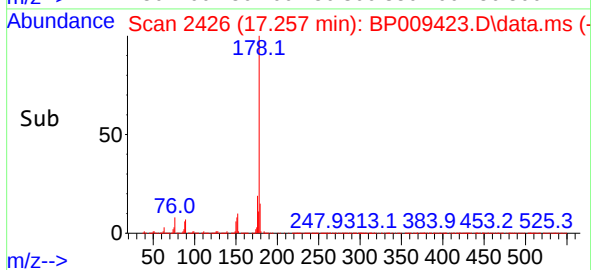
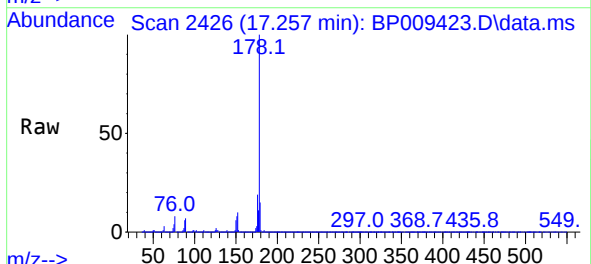
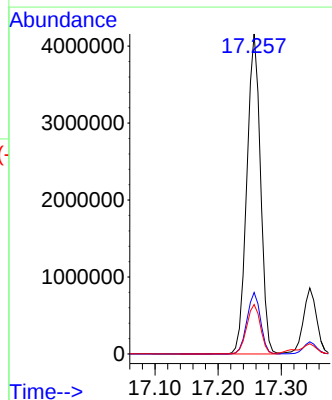
Manual Integrations
APPROVED

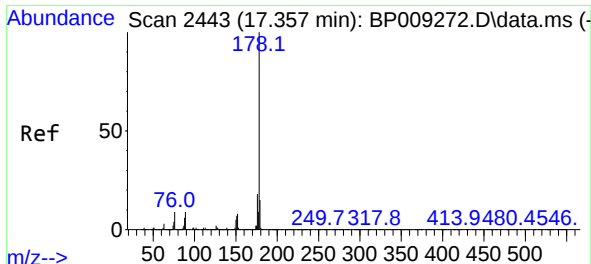
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#71
Phenanthrene
Concen: 38.676 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

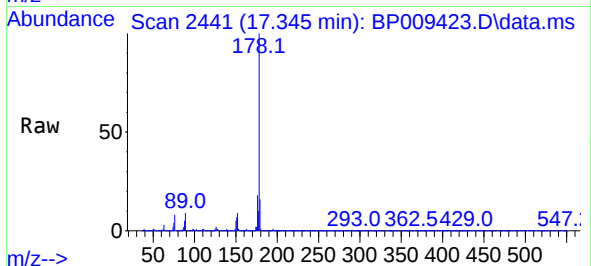
Tgt Ion:178 Resp: 6214705
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.3 18.5





#72
 Anthracene
 Concen: 7.630 ng
 RT: 17.345 min Scan# 2443
 Delta R.T. -0.012 min
 Lab File: BP009423.D
 Acq: 16 Mar 2022 15:30

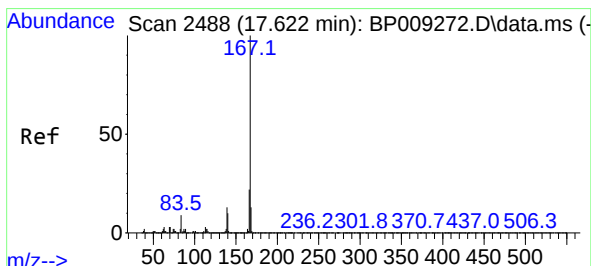
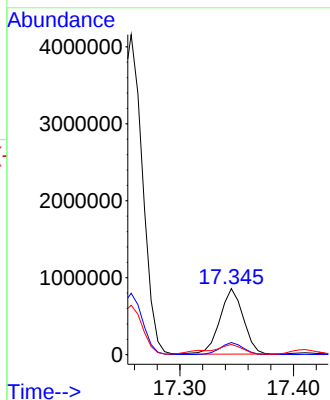
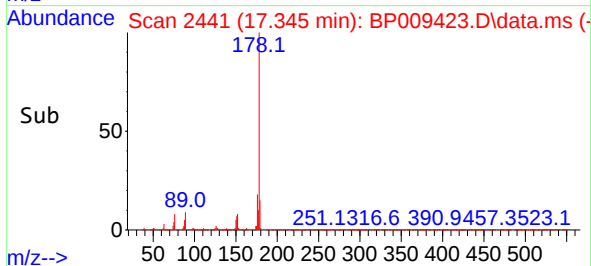
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-ADL



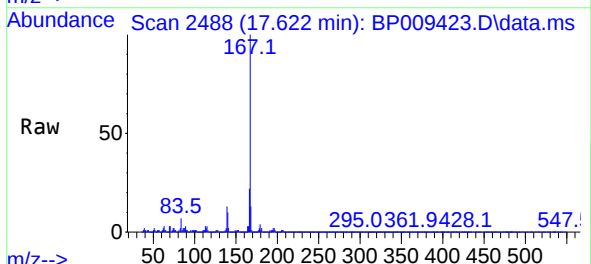
Tgt Ion:178 Resp: 1220350
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.5 12.2 18.4

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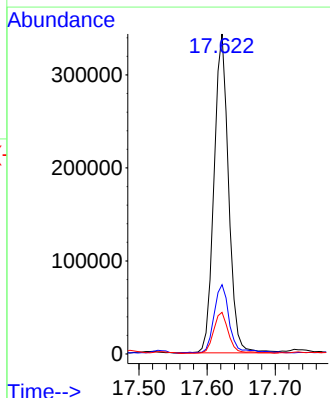
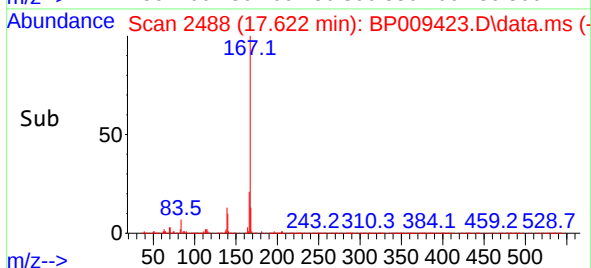
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

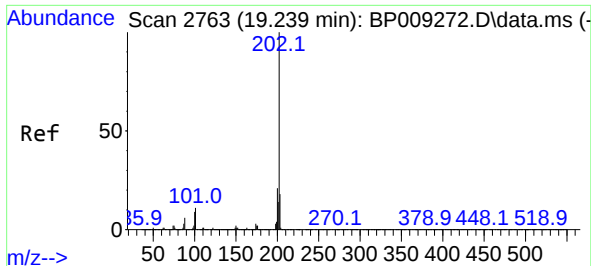


#73
 Carbazole
 Concen: 3.500 ng
 RT: 17.622 min Scan# 2488
 Delta R.T. 0.000 min
 Lab File: BP009423.D
 Acq: 16 Mar 2022 15:30



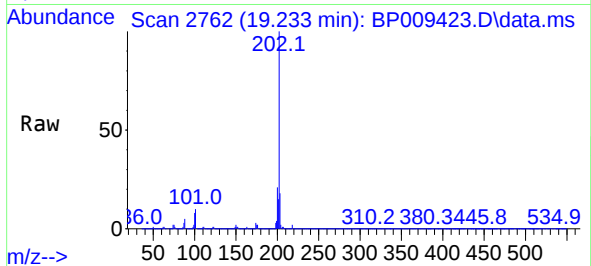
Tgt Ion:167 Resp: 510030
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 13.0 10.3 15.5





#75
Fluoranthene
Concen: 31.800 ng
RT: 19.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

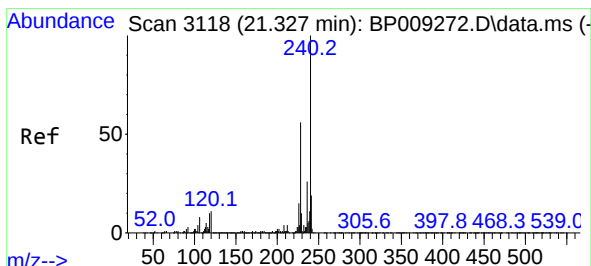
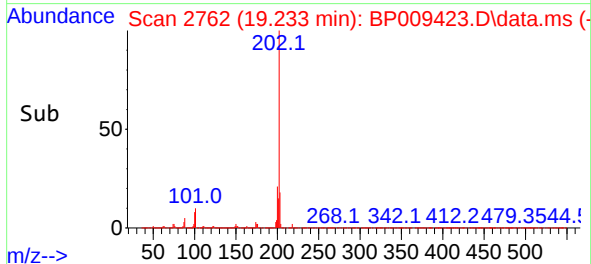
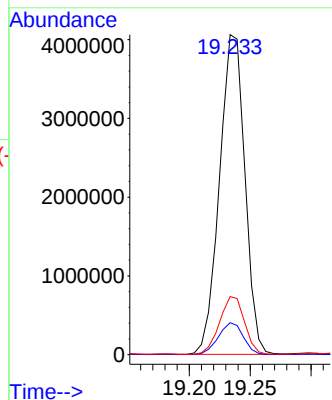
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-ADL



Tgt Ion:202 Resp: 589805
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.5
203 18.1 0.0 37.8

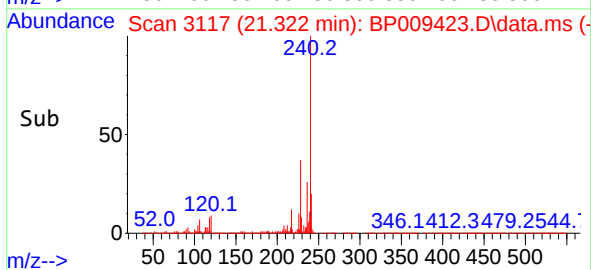
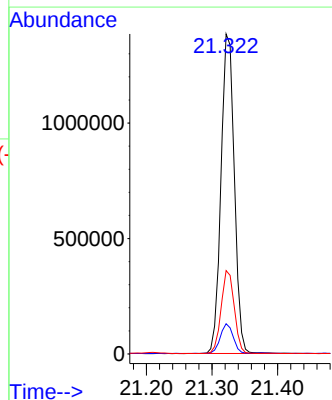
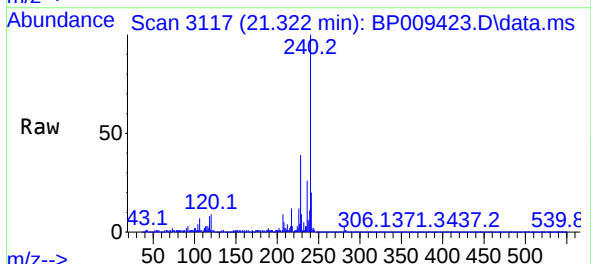
Manual Integrations
APPROVED

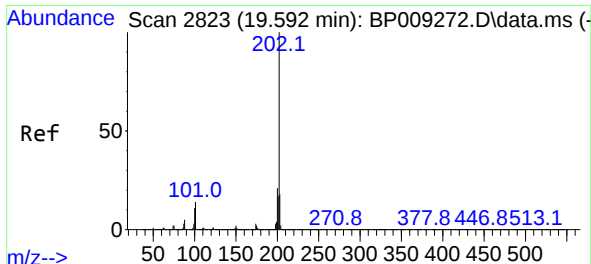
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.322 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

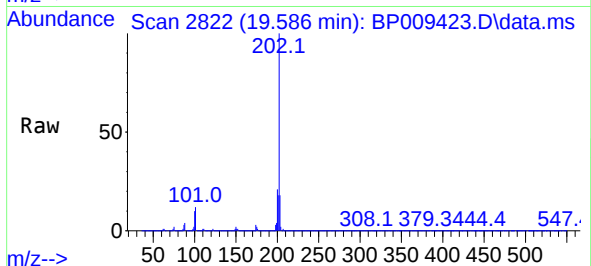
Tgt Ion:240 Resp: 1944546
Ion Ratio Lower Upper
240 100
120 9.4 9.0 13.4
236 26.0 20.6 30.8





#78
Pyrene
Concen: 38.853 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.006 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

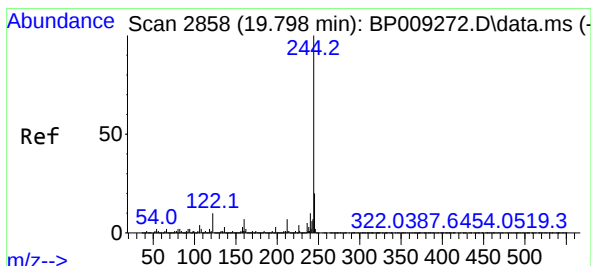
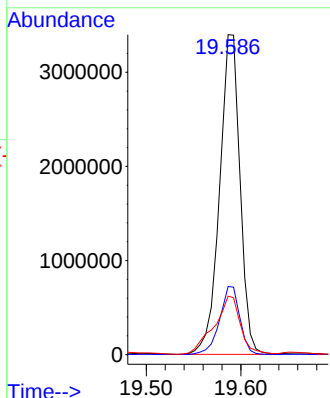
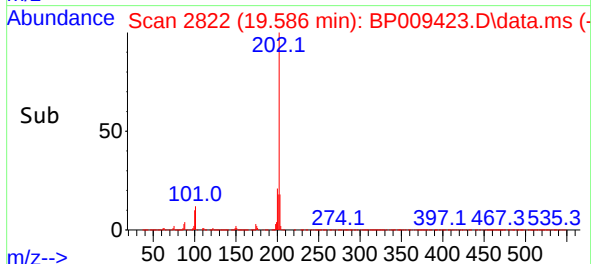
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-ADL



Tgt Ion:202 Resp: 5101010
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 18.3 14.2 21.4

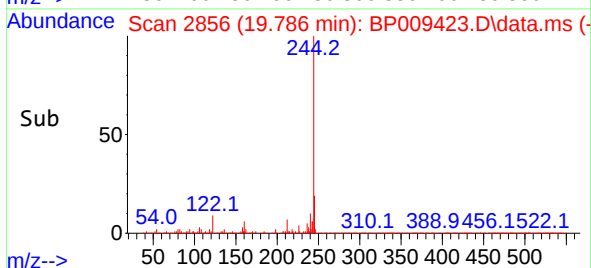
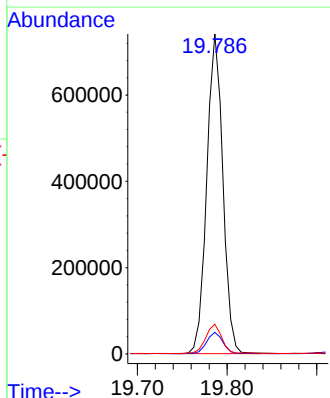
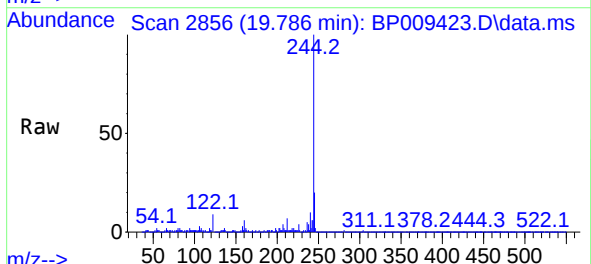
Manual Integrations
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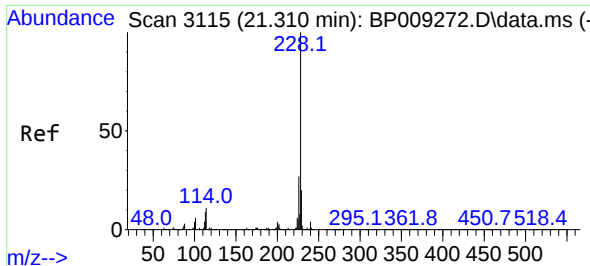
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#79
Terphenyl-d14
Concen: 8.950 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

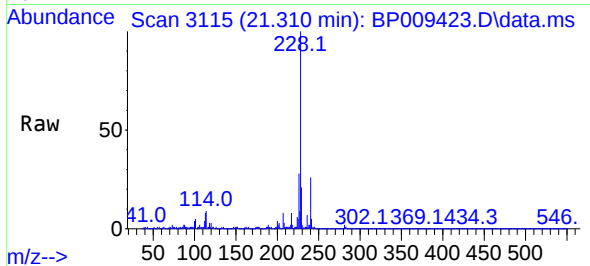
Tgt Ion:244 Resp: 922263
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 9.3 8.3 12.5





#81
Benzo(a)anthracene
Concen: 17.231 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

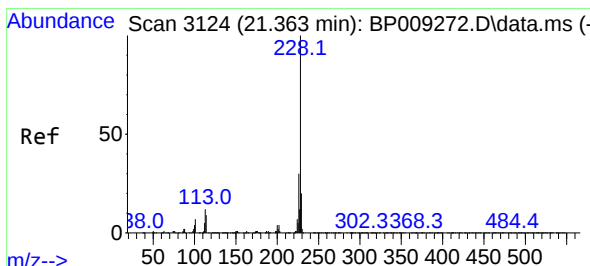
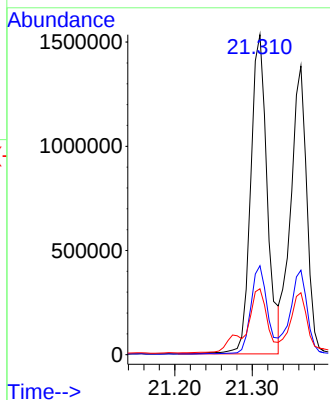
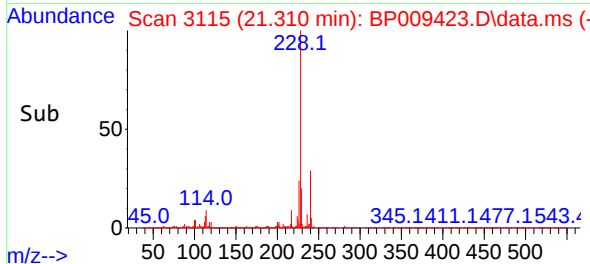
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-ADL



Tgt Ion:228 Resp: 2271011
Ion Ratio Lower Upper
228 100
226 27.8 22.0 33.0
229 20.6 16.1 24.1

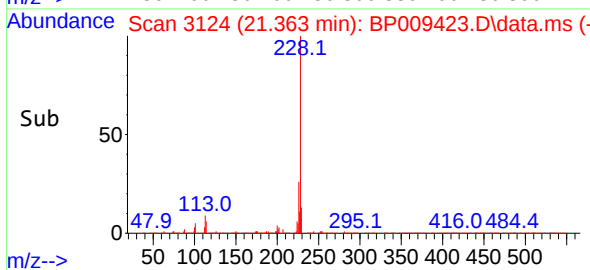
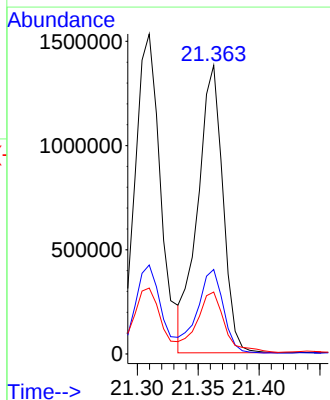
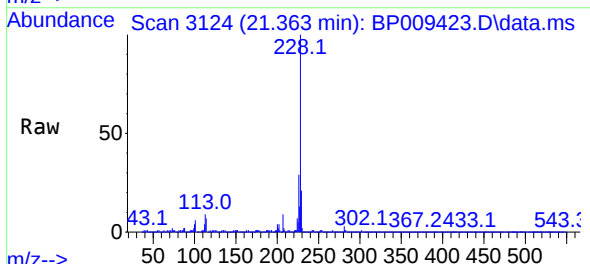
Manual Integrations
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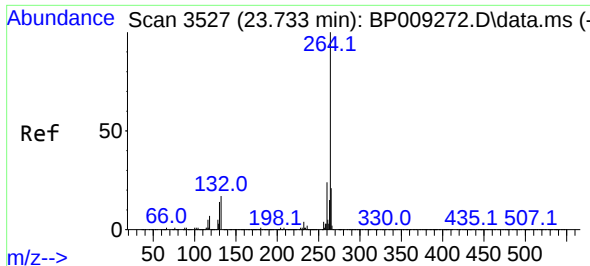
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#83
Chrysene
Concen: 15.528 ng
RT: 21.363 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

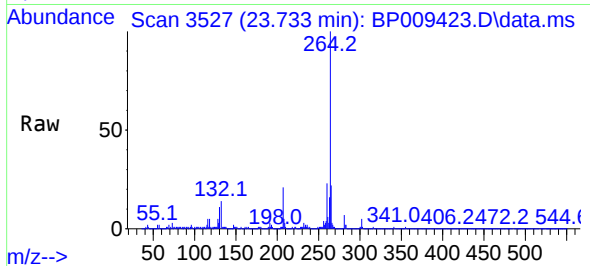
Tgt Ion:228 Resp: 1987028
Ion Ratio Lower Upper
228 100
226 29.3 24.2 36.2
229 21.5 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.733 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BP009423.D
 Acq: 16 Mar 2022 15:30

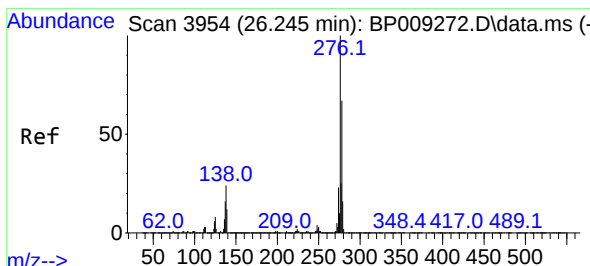
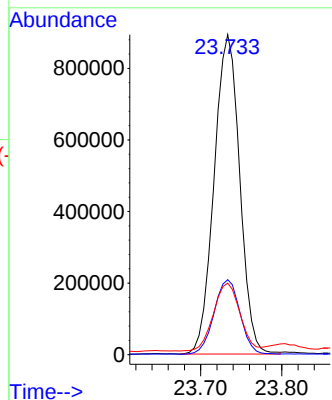
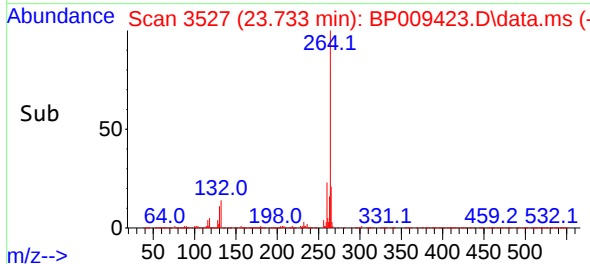
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-ADL



Tgt Ion:264 Resp: 1954299
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.0
 265 22.4 17.2 25.8

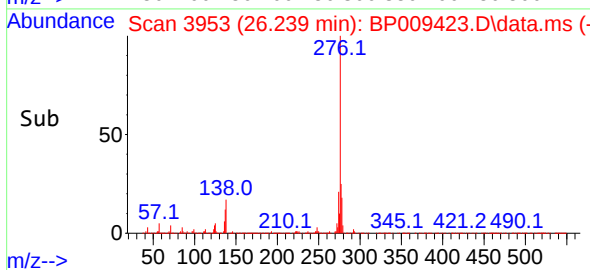
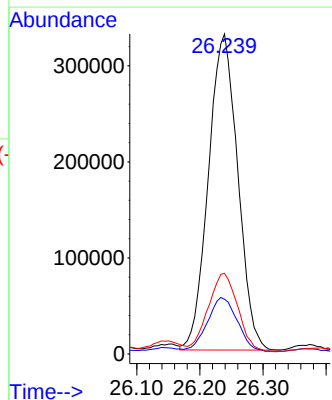
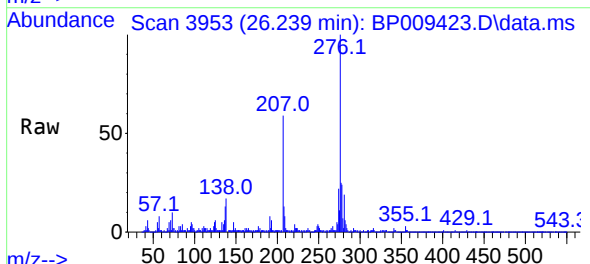
Manual Integrations
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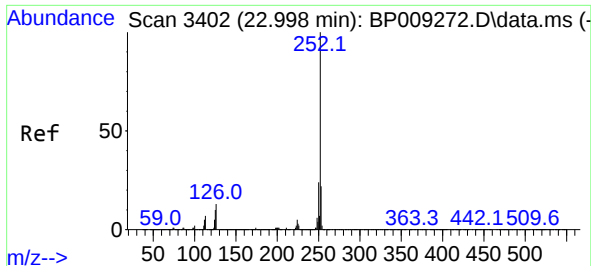
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.004 ng
 RT: 26.239 min Scan# 3953
 Delta R.T. -0.006 min
 Lab File: BP009423.D
 Acq: 16 Mar 2022 15:30

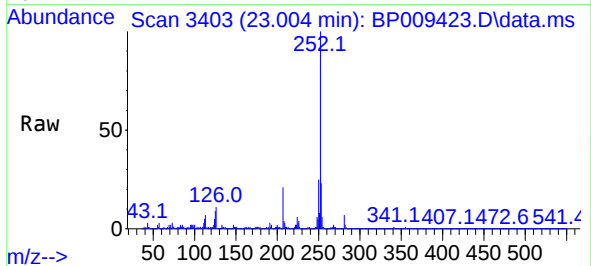
Tgt Ion:276 Resp: 1063481
 Ion Ratio Lower Upper
 276 100
 138 17.6 20.5 30.7#
 277 24.9 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 17.119 ng m
RT: 23.004 min Scan# 3403
Delta R.T. 0.006 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

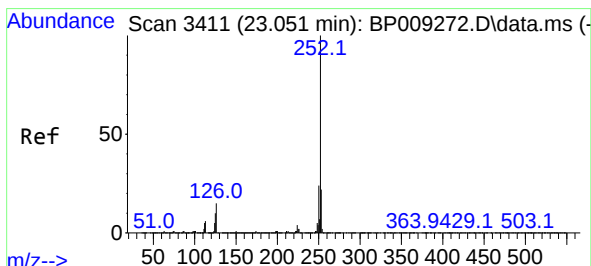
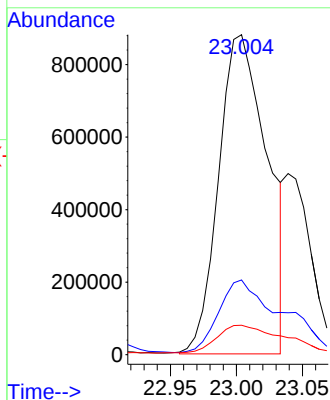
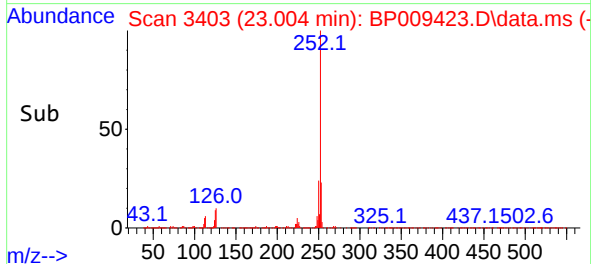
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-ADL



Tgt Ion:252 Resp: 225889
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 9.2 8.1 12.1

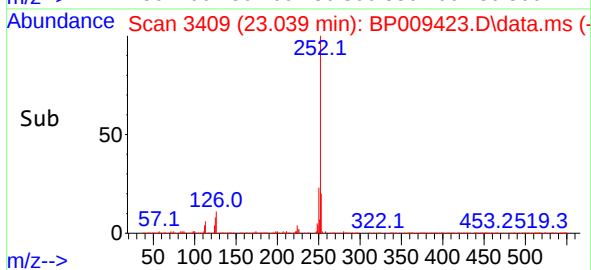
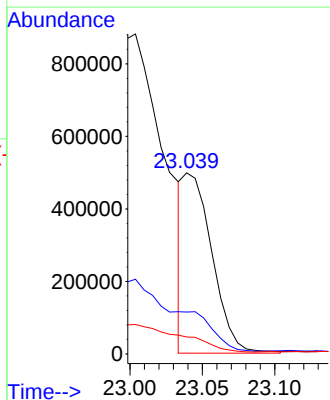
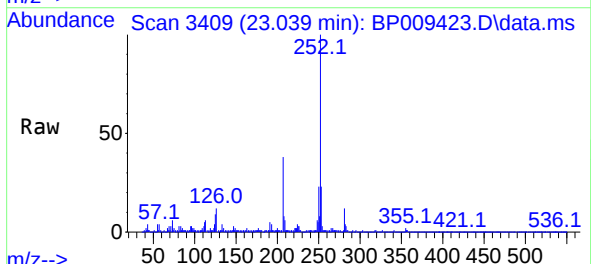
Manual Integrations
APPROVED

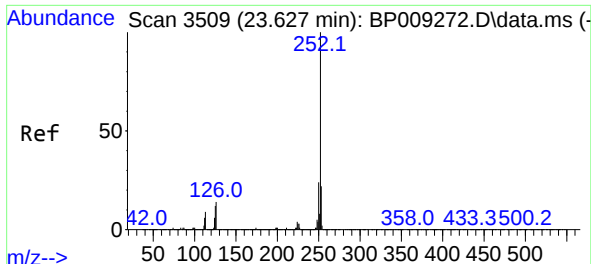
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#89
Benzo(k)fluoranthene
Concen: 5.450 ng m
RT: 23.039 min Scan# 3409
Delta R.T. -0.012 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

Tgt Ion:252 Resp: 687082
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.4 8.3 12.5





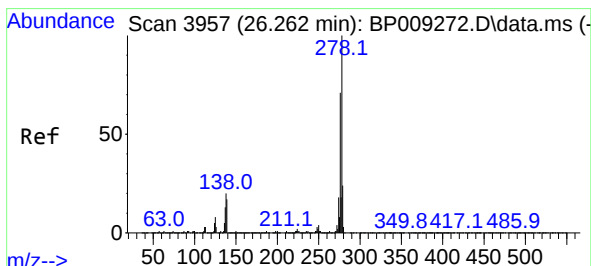
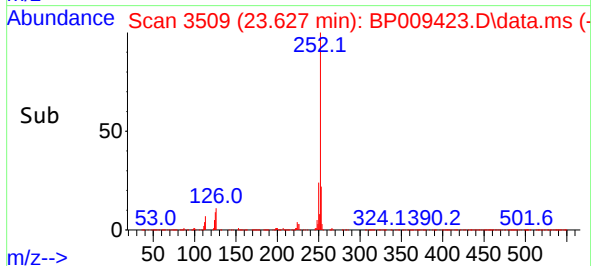
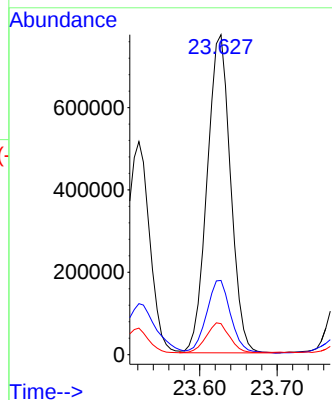
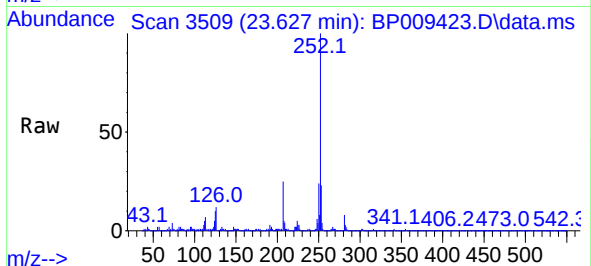
#90
Benzo(a)pyrene
Concen: 12.946 ng
RT: 23.627 min Scan# 3509
Delta R.T. 0.000 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

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

Tgt Ion:252 Resp: 162013
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 9.7 9.3 13.9

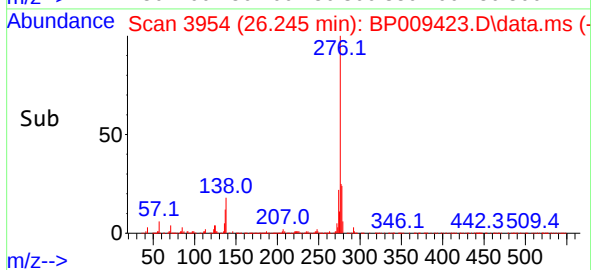
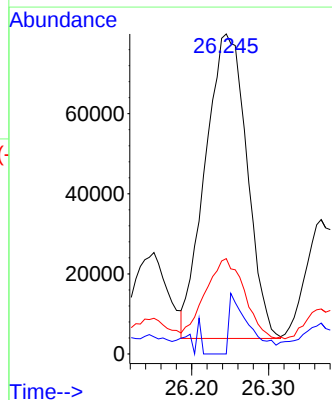
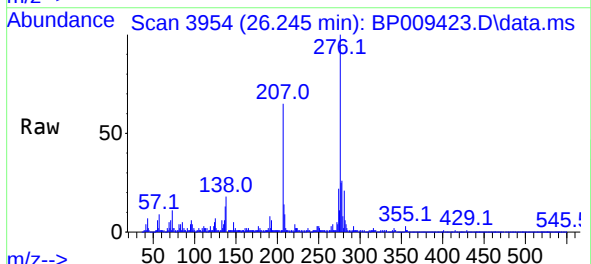
Manual Integrations
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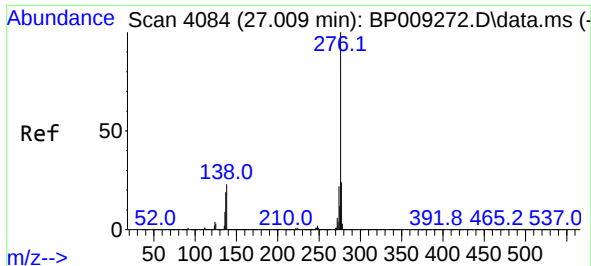
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.224 ng m
RT: 26.245 min Scan# 3954
Delta R.T. -0.018 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

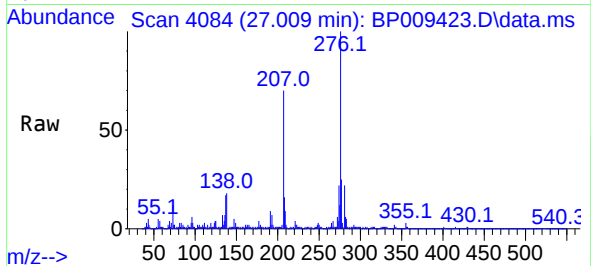
Tgt Ion:278 Resp: 286358
Ion Ratio Lower Upper
278 100
139 0.0 13.2 19.8#
279 29.8 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 8.175 ng
RT: 27.009 min Scan# 4084
Delta R.T. 0.000 min
Lab File: BP009423.D
Acq: 16 Mar 2022 15:30

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



Tgt Ion:276 Resp: 1039778
Ion Ratio Lower Upper
276 100
277 24.7 19.2 28.8
138 17.5 18.0 27.0

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

