

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
 Data File : BP009518.D
 Acq On : 23 Mar 2022 22:00
 Operator : CG/JU
 Sample : N1960-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-13-20220316-16.0-17.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

Quant Time: Mar 24 01:22:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 01:19:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	492978	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1936394	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	1170674	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1917436	20.000	ng	0.00
76) Chrysene-d12	21.316	240	1631210	20.000	ng	0.00
86) Perylene-d12	23.722	264	1943019	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1552732	54.992	ng	0.00
7) Phenol-d6	6.975	99	1992912	52.191	ng	0.00
23) Nitrobenzene-d5	8.946	82	1236724	33.939	ng	0.00
42) 2,4,6-Tribromophenol	15.934	330	687023	35.564	ng	0.00
45) 2-Fluorobiphenyl	13.052	172	2479899	29.367	ng	0.00
79) Terphenyl-d14	19.775	244	2553479	28.097	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.634	128	23012245m	230.714	ng	
37) 2-Methylnaphthalene	12.263	142	16383437	234.103	ng	97
38) 1-Methylnaphthalene	12.481	142	14486988	212.494	ng	100
46) 1,1'-Biphenyl	13.263	154	1286494	14.731	ng	99
49) Acenaphthylene	14.157	152	2850163	26.852	ng	# 89
52) Acenaphthene	14.510	154	10523929	165.978	ng	99
55) Dibenzofuran	14.840	168	1497756	14.061	ng	# 73
58) Fluorene	15.493	166	6743921	80.500	ng	99
71) Phenanthrene	17.245	178	20261315m	197.400	ng	
72) Anthracene	17.340	178	9157051	90.360	ng	97
75) Fluoranthene	19.228	202	12157627	97.838	ng	97
78) Pyrene	19.581	202	16484116m	153.356	ng	
81) Benzo(a)anthracene	21.304	228	7754762m	72.360	ng	
83) Chrysene	21.351	228	6555691	64.601	ng	96
87) Indeno(1,2,3-cd)pyrene	26.227	276	3605659	24.460	ng	# 93
88) Benzo(b)fluoranthene	22.998	252	6766069m	58.332	ng	
89) Benzo(k)fluoranthene	23.033	252	1743834m	15.355	ng	
90) Benzo(a)pyrene	23.622	252	7852871	79.129	ng	98
91) Dibenzo(a,h)anthracene	26.233	278	965971m	7.863	ng	
92) Benzo(g,h,i)perylene	26.998	276	3879141	32.096	ng	97

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

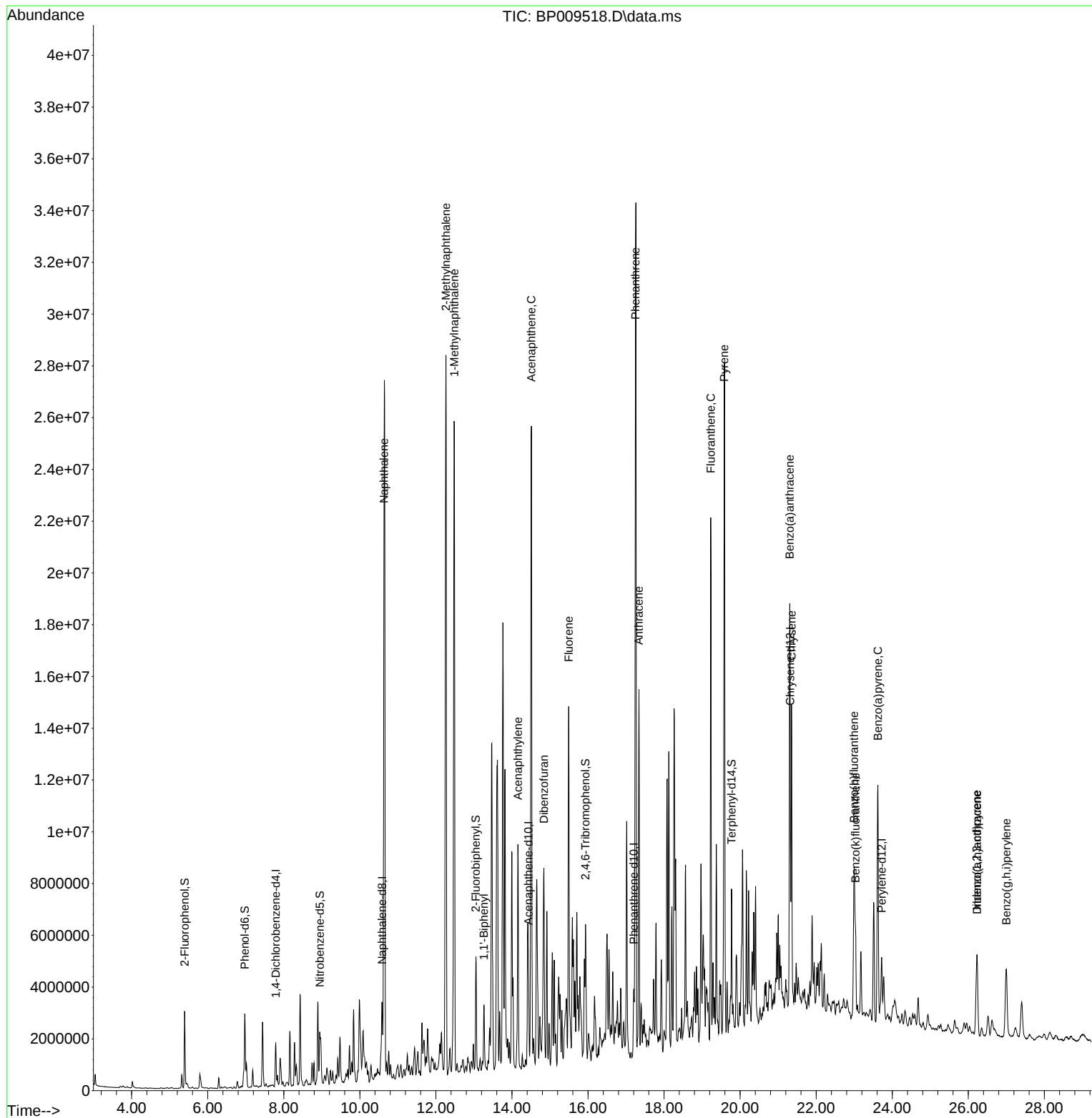
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
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Misc :
ALS Vial : 10 Sample Multiplier: 1

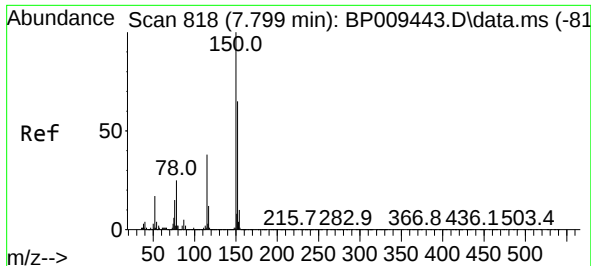
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

Quant Time: Mar 24 01:22:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 01:19:11 2022
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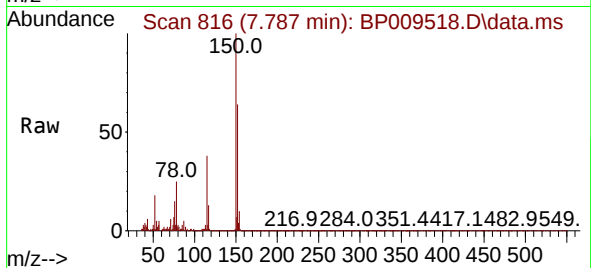
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

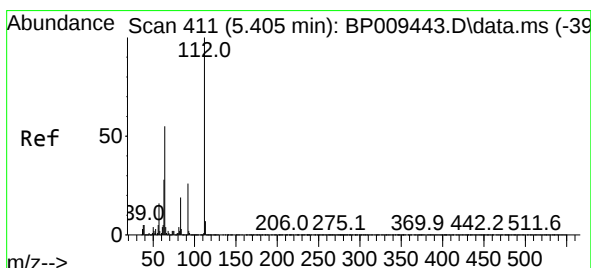
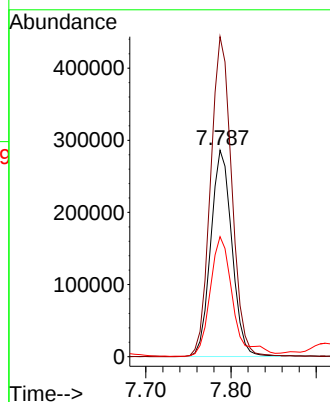
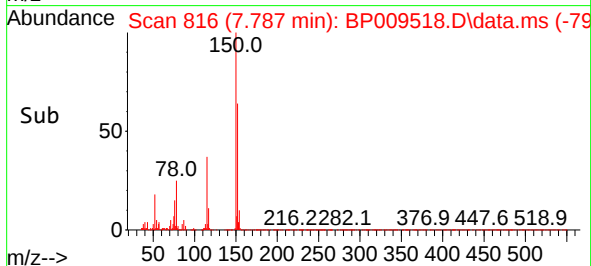
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion:152 Resp: 492978
Ion Ratio Lower Upper
152 100
150 155.0 124.5 186.7
115 58.2 48.2 72.4

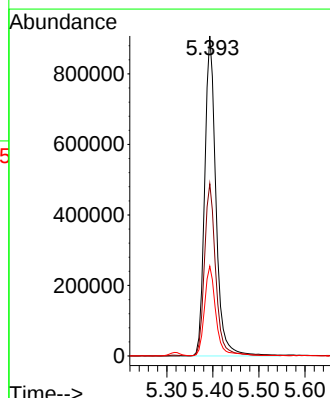
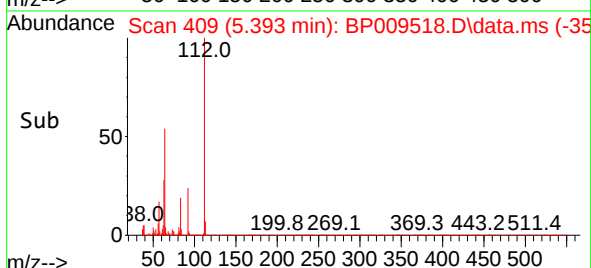
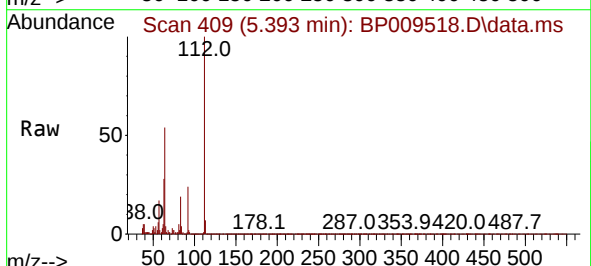
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Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#5
2-Fluorophenol
Concen: 54.992 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

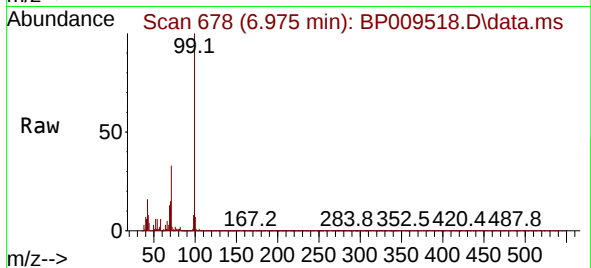
Tgt Ion:112 Resp: 1552732
Ion Ratio Lower Upper
112 100
64 53.8 45.0 67.4
63 28.0 23.0 34.6





#7
Phenol-d6
Concen: 52.191 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

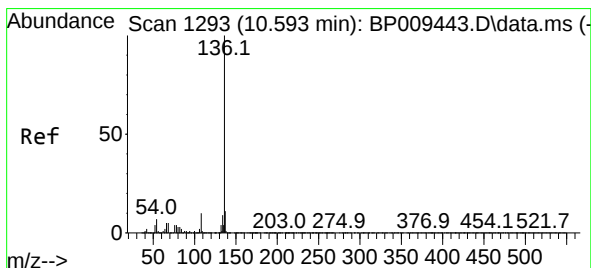
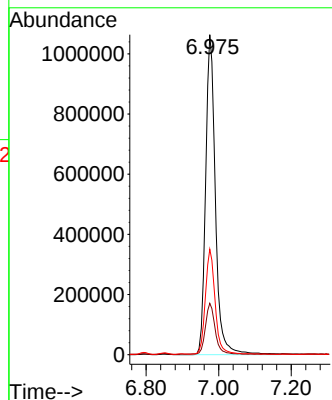
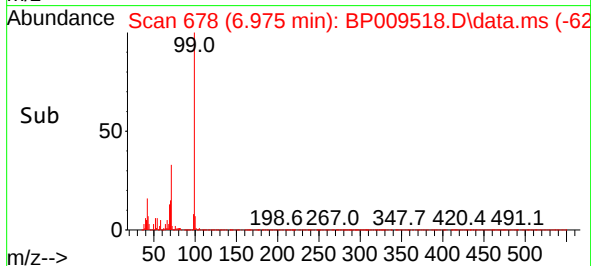
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion: 99 Resp: 199291
Ion Ratio Lower Upper
99 100
42 16.1 12.8 19.2
71 33.0 26.3 39.5

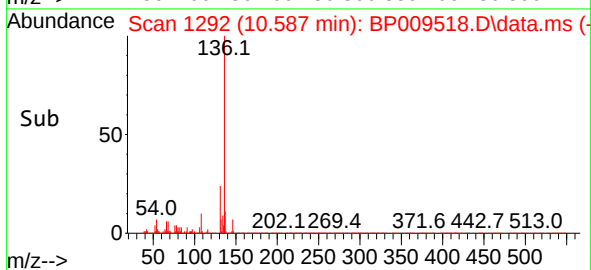
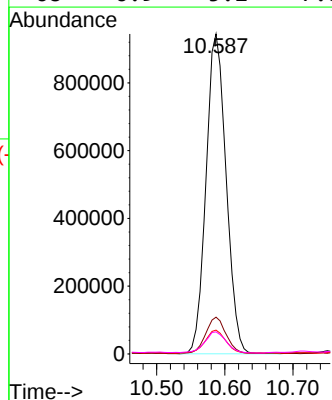
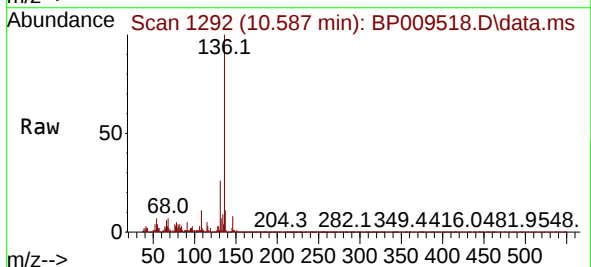
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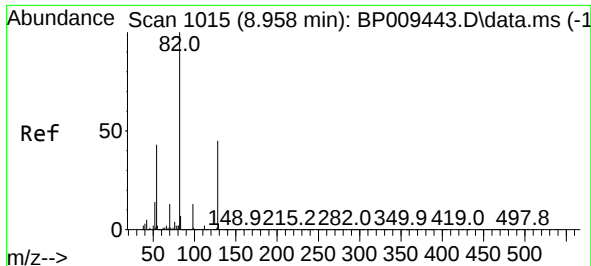
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

Tgt Ion:136 Resp: 1936394
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 7.5 5.8 8.8
68 6.9 5.2 7.8





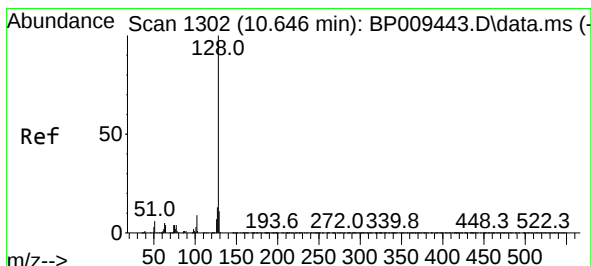
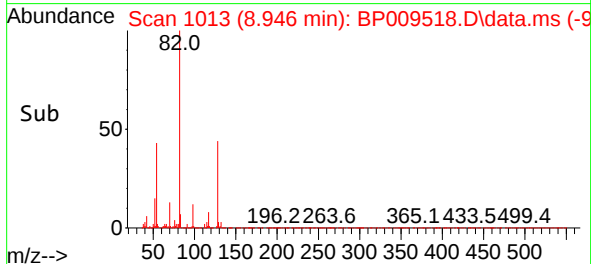
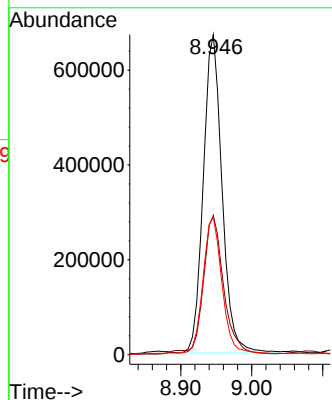
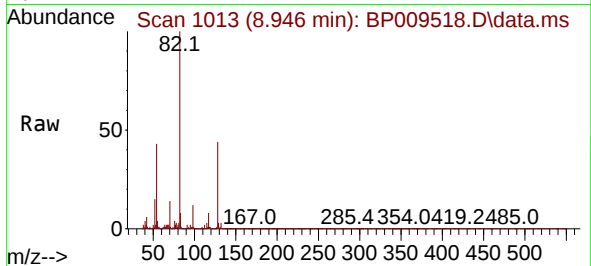
#23
Nitrobenzene-d5
Concen: 33.939 ng
RT: 8.946 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

Tgt Ion: 82 Resp: 1236724
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.4
54 43.1 34.7 52.1

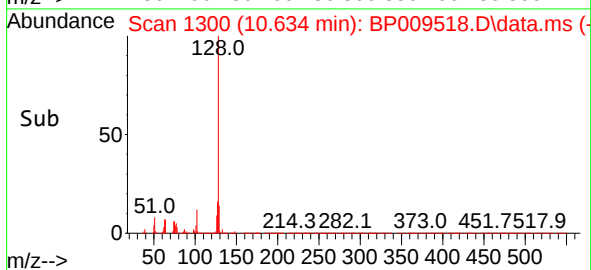
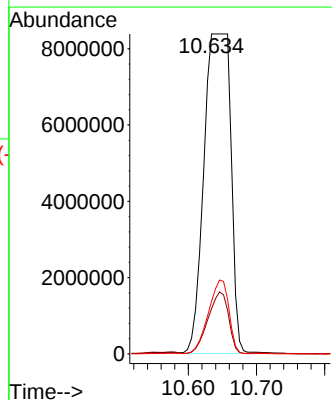
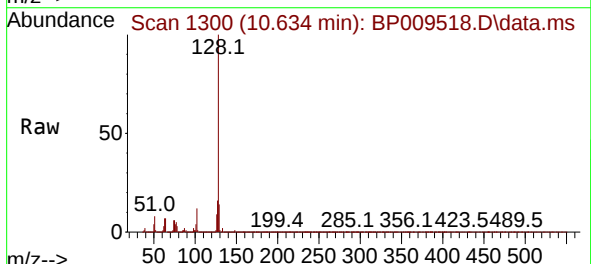
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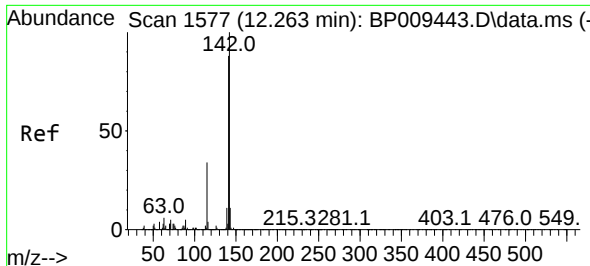
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#31
Naphthalene
Concen: 230.714 ng m
RT: 10.634 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

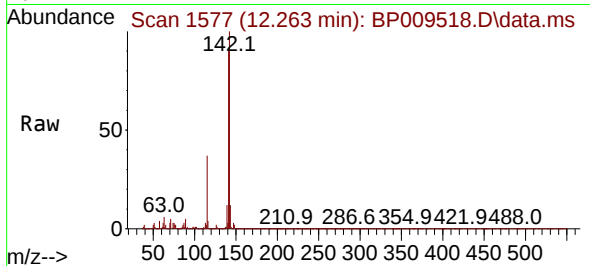
Tgt Ion:128 Resp:23012245
Ion Ratio Lower Upper
128 100
129 14.2 8.6 13.0#
127 16.5 10.5 15.7#





#37
2-Methylnaphthalene
Concen: 234.103 ng
RT: 12.263 min Scan# 1577
Delta R.T. 0.012 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

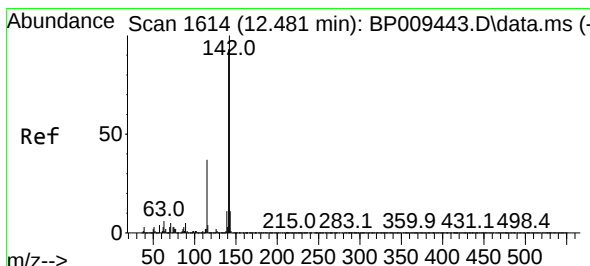
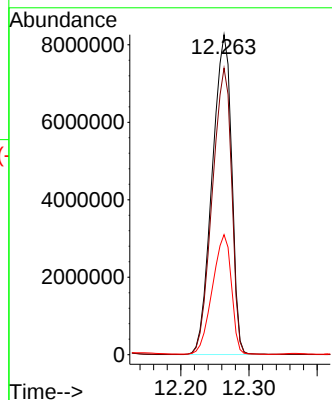
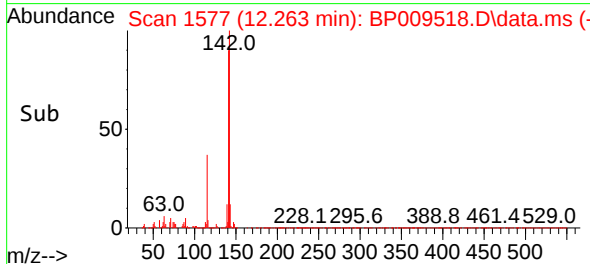
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



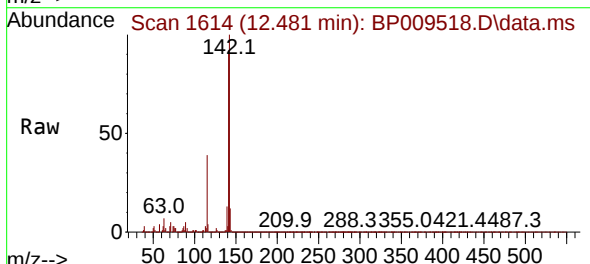
Tgt Ion:142 Resp:1638343
Ion Ratio Lower Upper
142 100
141 89.6 70.2 105.4
115 37.5 27.4 41.2

Manual Integrations
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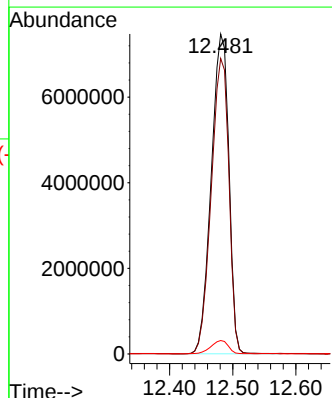
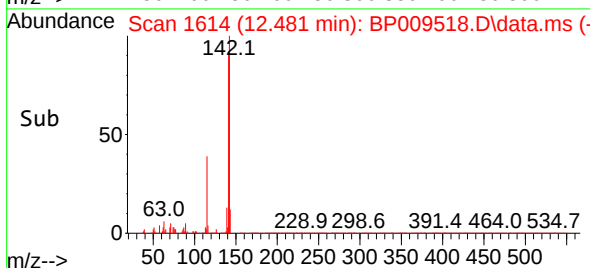
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

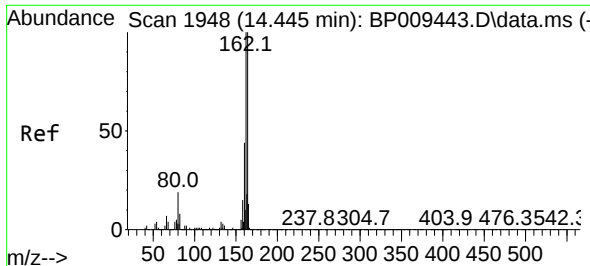


#38
1-Methylnaphthalene
Concen: 212.494 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.012 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00



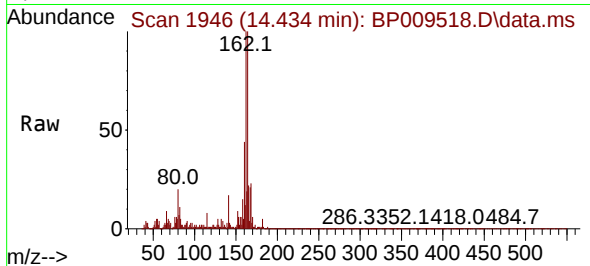
Tgt Ion:142 Resp:14486988
Ion Ratio Lower Upper
142 100
141 92.4 73.5 110.3
116 4.2 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

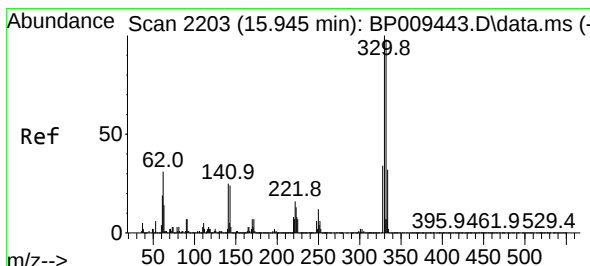
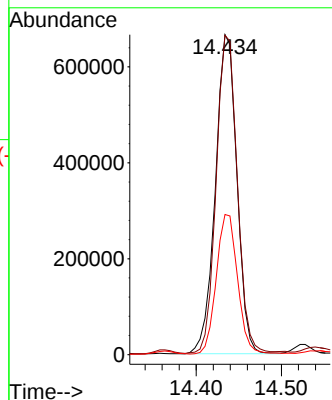
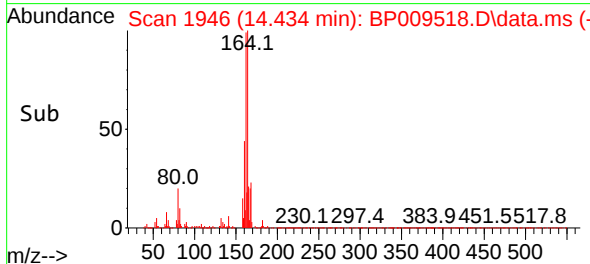
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion:164 Resp: 1170674
Ion Ratio Lower Upper
164 100
162 99.8 79.1 118.7
160 43.8 34.9 52.3

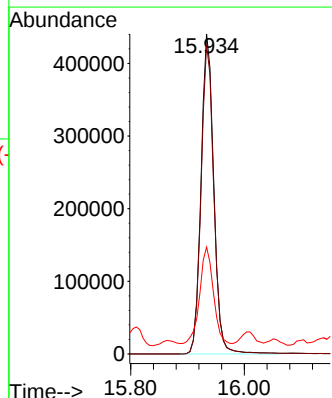
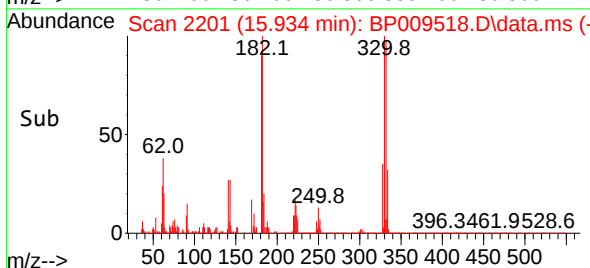
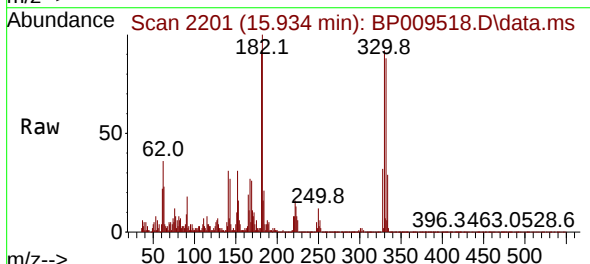
Manual Integrations
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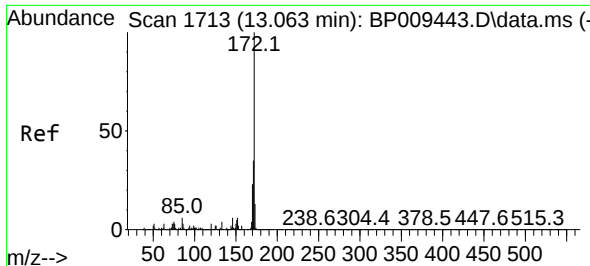
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#42
2,4,6-Tribromophenol
Concen: 35.564 ng
RT: 15.934 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

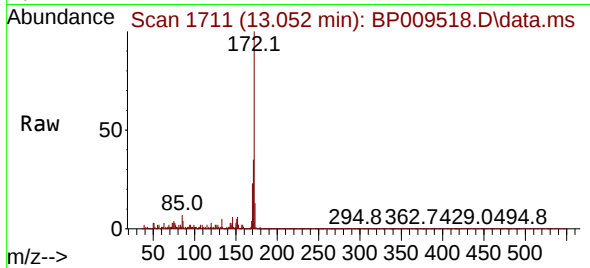
Tgt Ion:330 Resp: 687023
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 33.1 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 29.367 ng
RT: 13.052 min Scan# 1711
Delta R.T. -0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

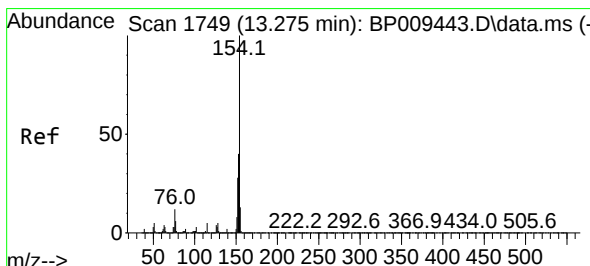
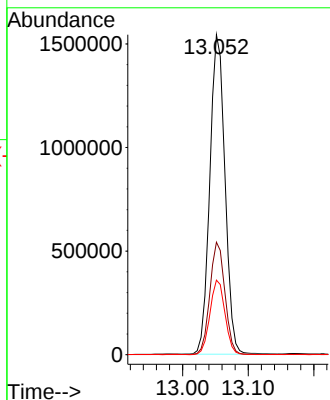
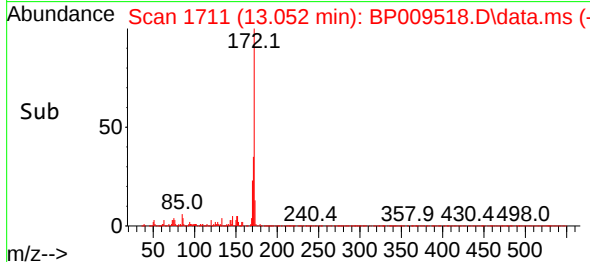
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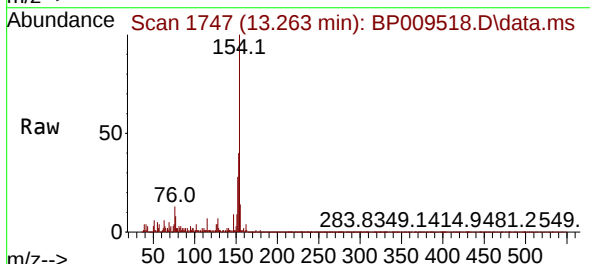
Tgt Ion:172 Resp: 2479899
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.3 18.6 27.8

Manual Integrations
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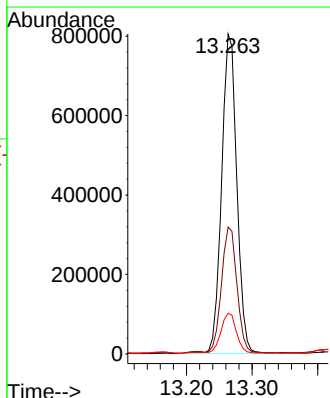
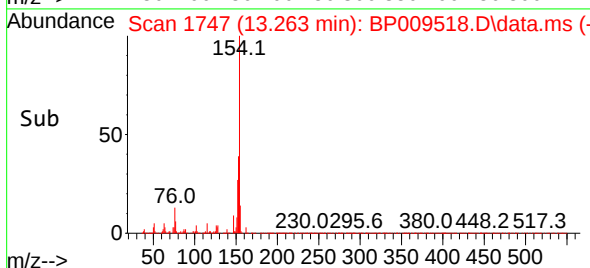
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

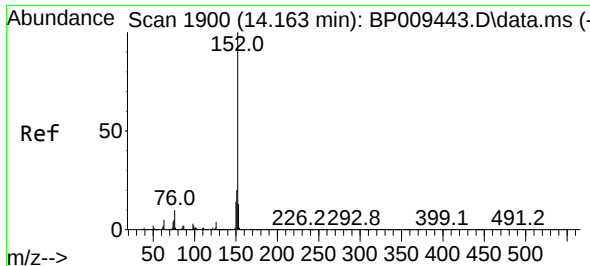


#46
1,1'-Biphenyl
Concen: 14.731 ng
RT: 13.263 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00



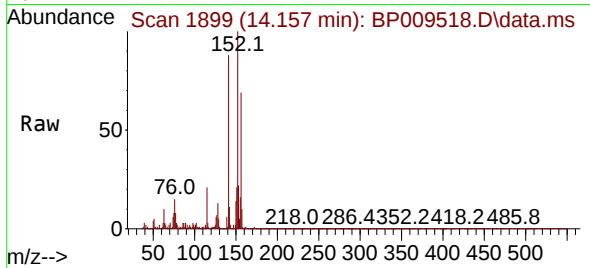
Tgt Ion:154 Resp: 1286494
Ion Ratio Lower Upper
154 100
153 39.6 20.2 60.2
76 12.7 0.0 34.0





#49
Acenaphthylene
Concen: 26.852 ng
RT: 14.157 min Scan# 1899
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

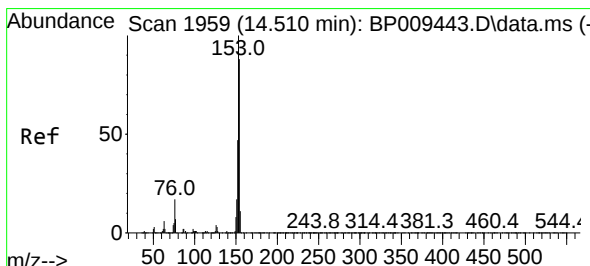
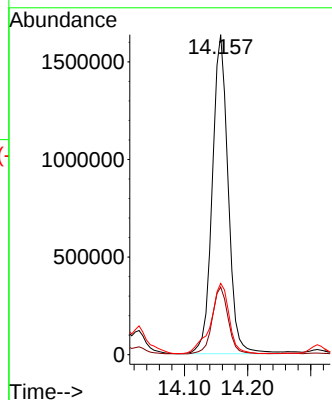
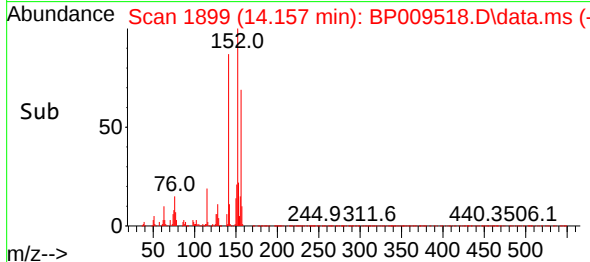
Instrument :
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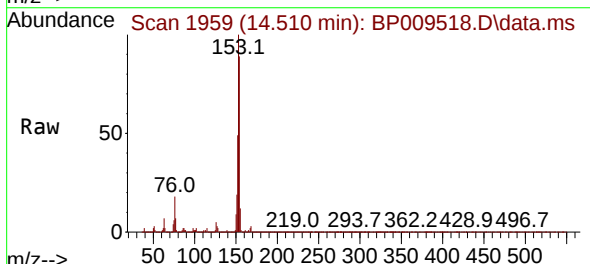
Tgt Ion:152 Resp: 285016
Ion Ratio Lower Upper
152 100
151 21.2 15.9 23.9
153 22.3 10.7 16.1

Manual Integrations
APPROVED

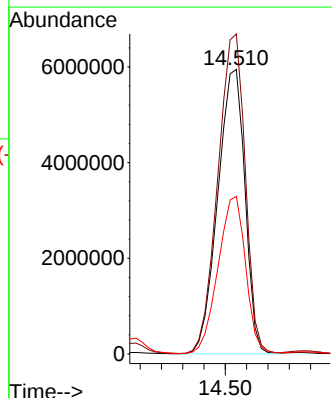
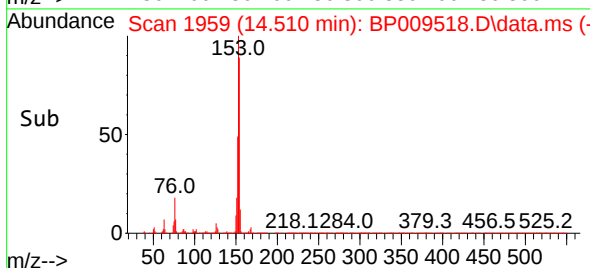
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

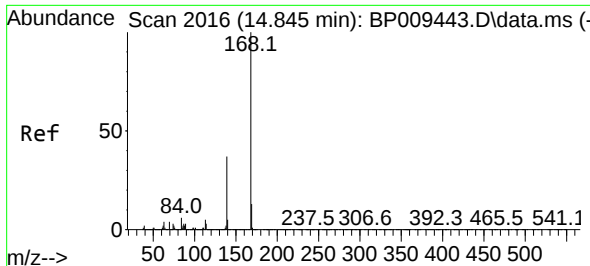


#52
Acenaphthene
Concen: 165.978 ng
RT: 14.510 min Scan# 1959
Delta R.T. 0.012 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00



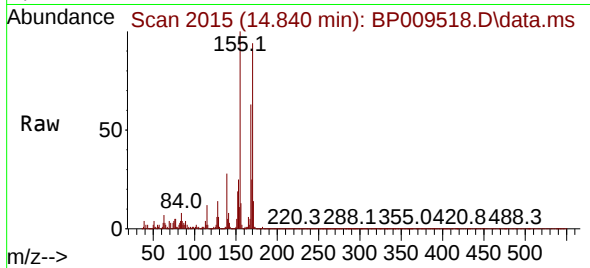
Tgt Ion:154 Resp:10523929
Ion Ratio Lower Upper
154 100
153 112.5 90.2 135.4
152 55.4 42.7 64.1





#55
Dibenzenofuran
Concen: 14.061 ng
RT: 14.840 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

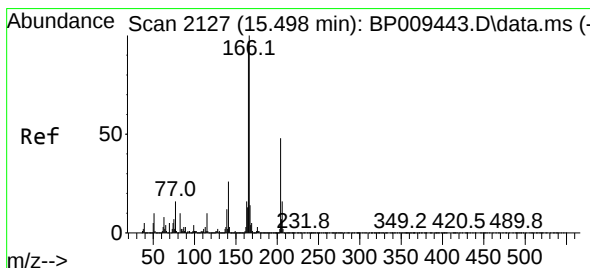
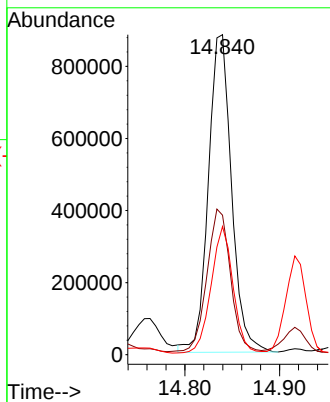
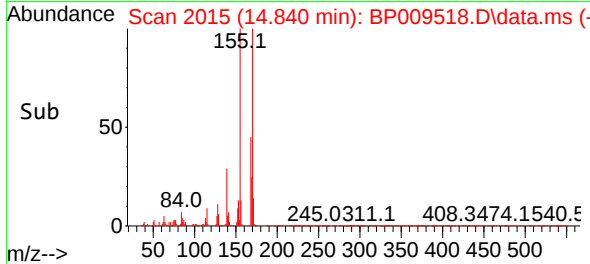
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion:168 Resp: 1497750
Ion Ratio Lower Upper
168 100
139 43.6 29.1 43.7
169 40.1 10.6 16.0

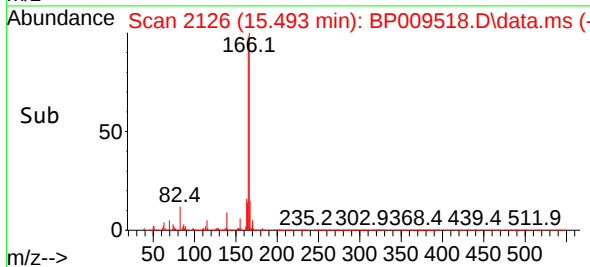
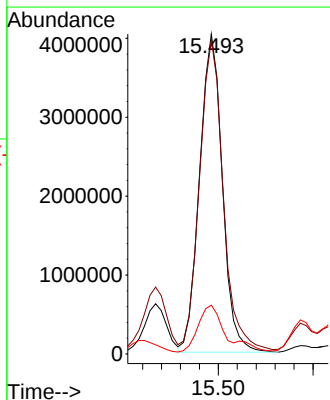
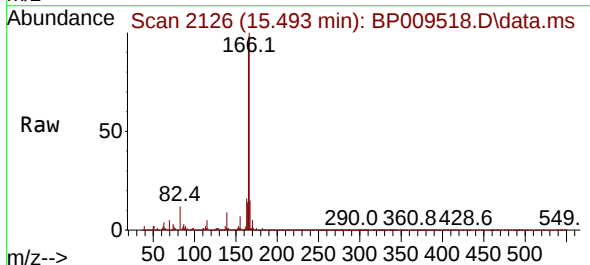
Manual Integrations
APPROVED

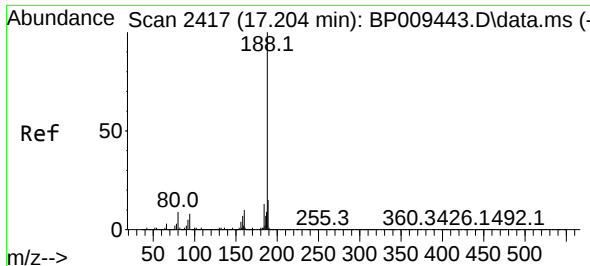
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#58
Fluorene
Concen: 80.500 ng
RT: 15.493 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

Tgt Ion:166 Resp: 6743921
Ion Ratio Lower Upper
166 100
165 98.2 79.2 118.8
167 15.2 10.7 16.1





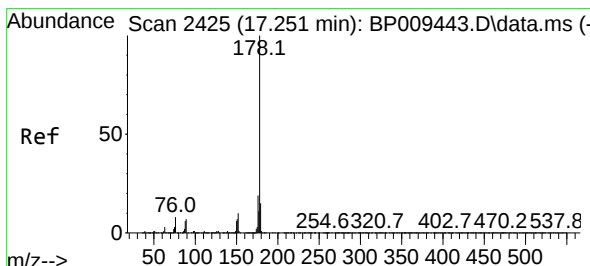
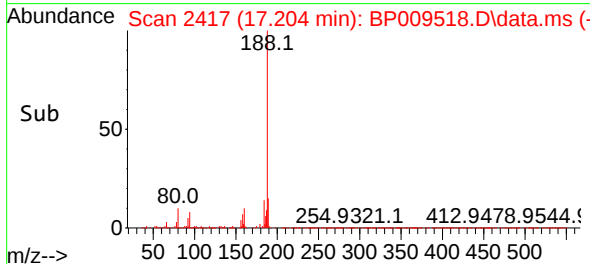
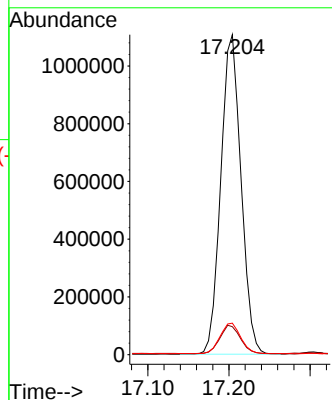
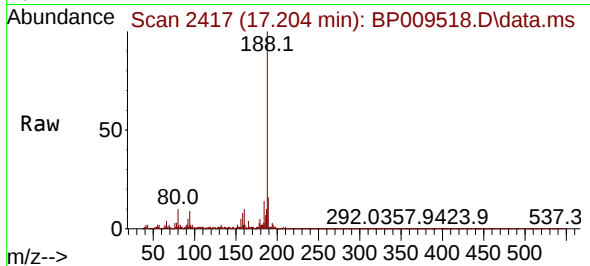
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

Tgt Ion:188 Resp: 1917430
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.8 8.8 13.2

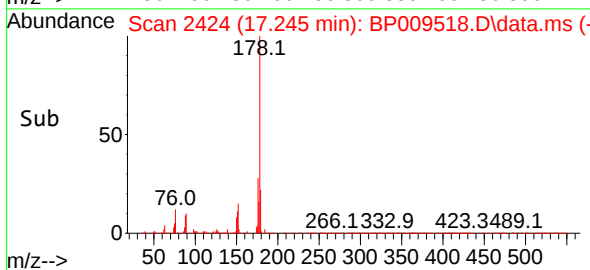
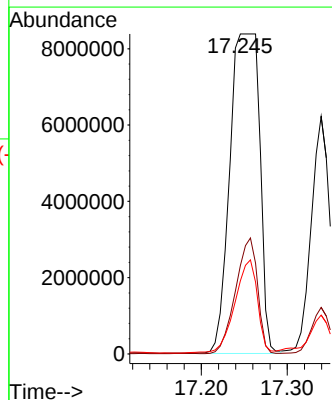
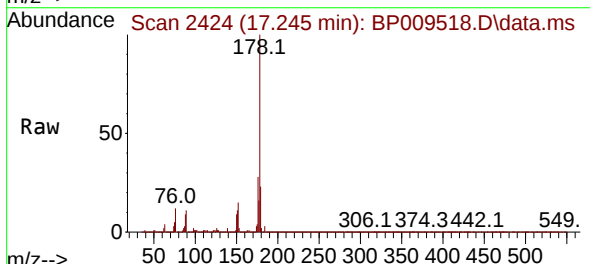
Manual Integrations
APPROVED

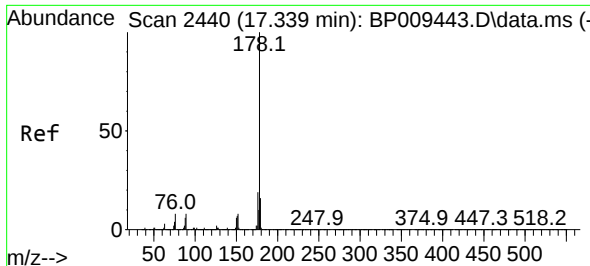
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#71
Phenanthrene
Concen: 197.400 ng m
RT: 17.245 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

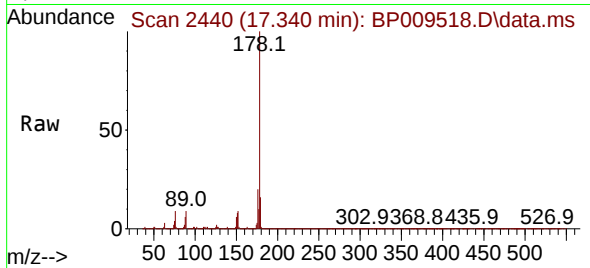
Tgt Ion:178 Resp:20261315
Ion Ratio Lower Upper
178 100
176 27.6 15.4 23.2#
179 22.9 12.3 18.5#





#72
 Anthracene
 Concen: 90.360 ng
 RT: 17.340 min Scan# 2440
 Delta R.T. 0.006 min
 Lab File: BP009518.D
 Acq: 23 Mar 2022 22:00

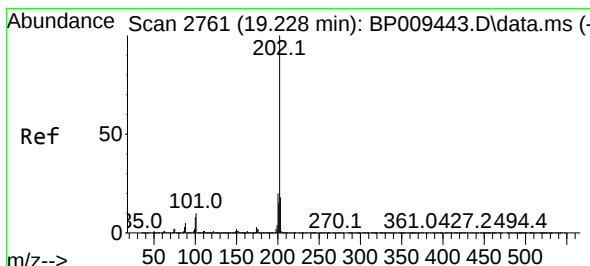
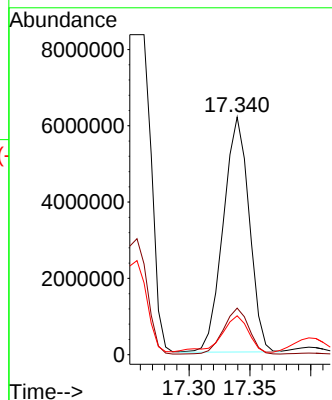
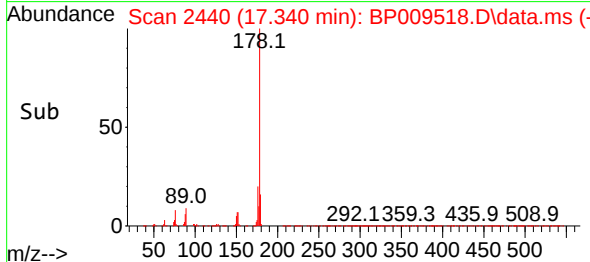
Instrument :
 BNA_P
 ClientSampleId :
 SB-13-20220316-16.0-17.0



Tgt Ion:178 Resp: 915705
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 16.4 12.2 18.4

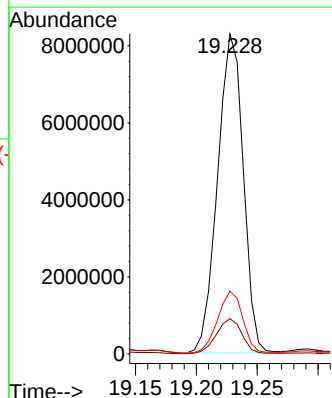
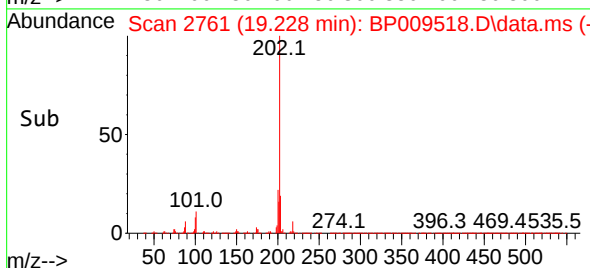
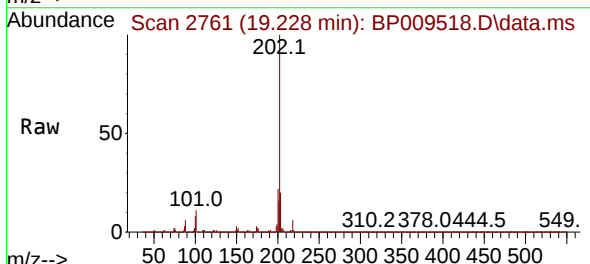
Manual Integrations
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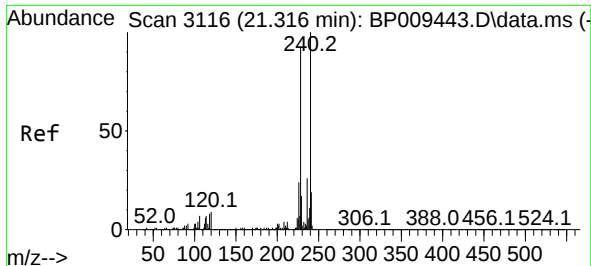
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#75
 Fluoranthene
 Concen: 97.838 ng
 RT: 19.228 min Scan# 2761
 Delta R.T. 0.006 min
 Lab File: BP009518.D
 Acq: 23 Mar 2022 22:00

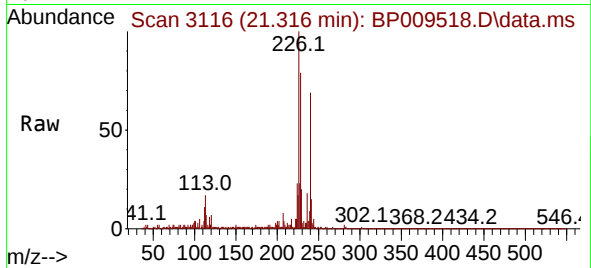
Tgt Ion:202 Resp:12157627
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.5
 203 19.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

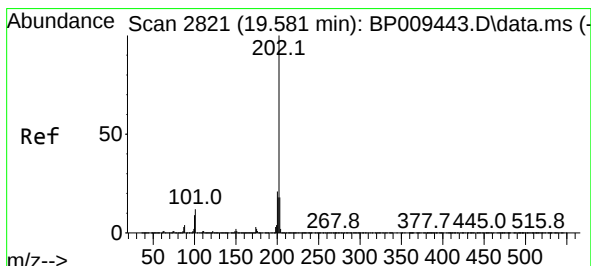
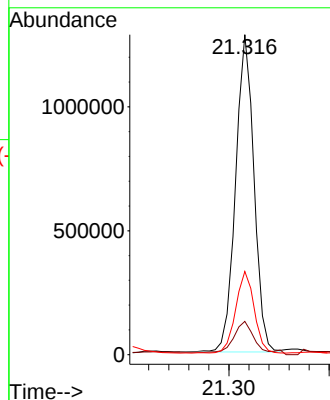
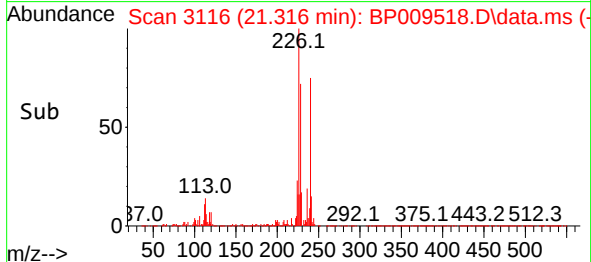
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion:240 Resp: 1631210
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.4
236 26.0 20.6 30.8

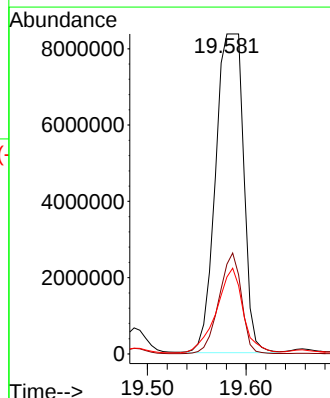
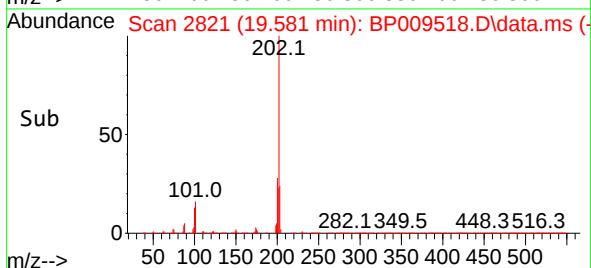
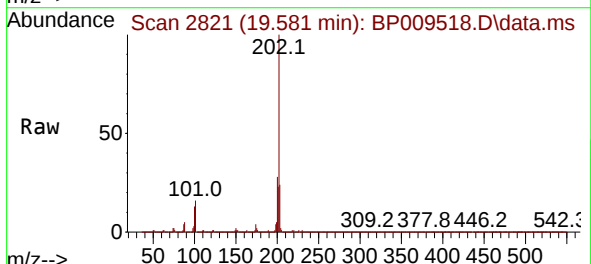
Manual Integrations
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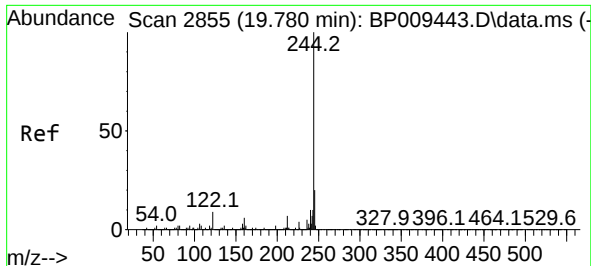
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#78
Pyrene
Concen: 153.356 ng m
RT: 19.581 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

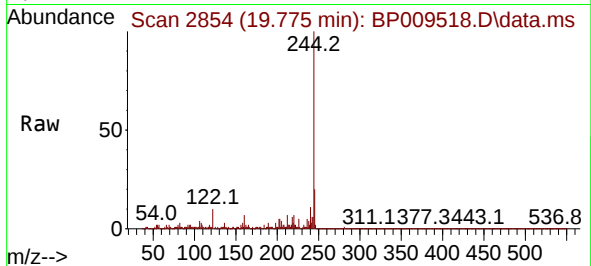
Tgt Ion:202 Resp:16484116
Ion Ratio Lower Upper
202 100
200 28.0 16.8 25.2#
203 24.0 14.2 21.4#





#79
 Terphenyl-d14
 Concen: 28.097 ng
 RT: 19.775 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009518.D
 Acq: 23 Mar 2022 22:00

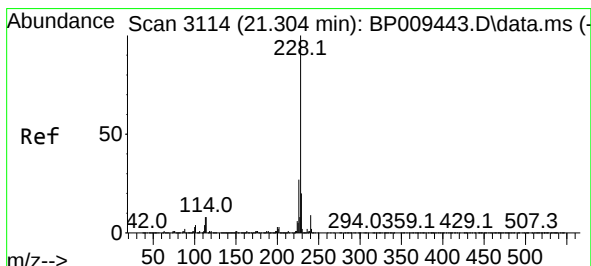
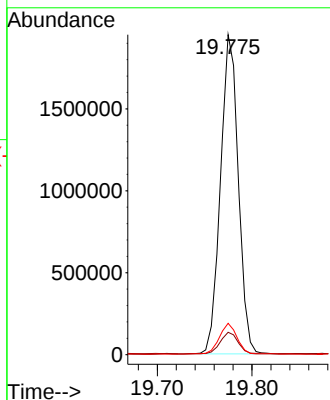
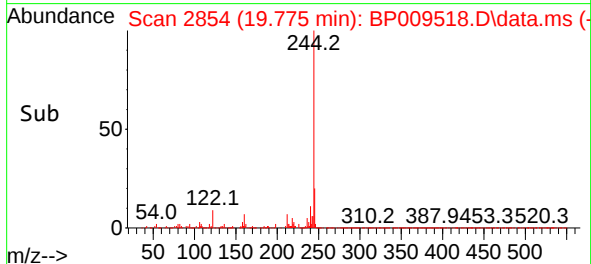
Instrument :
 BNA_P
 ClientSampleId :
 SB-13-20220316-16.0-17.0



Tgt Ion:244 Resp: 2553479
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 9.8 8.3 12.5

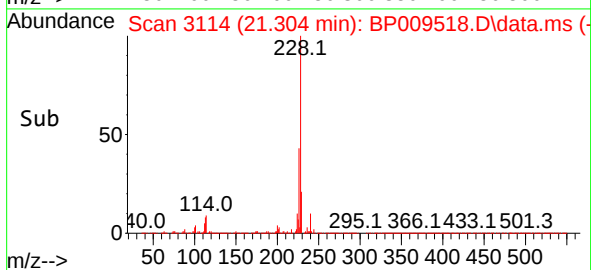
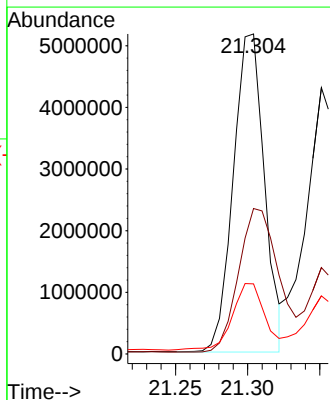
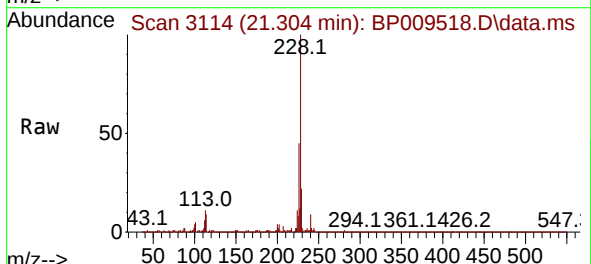
Manual Integrations
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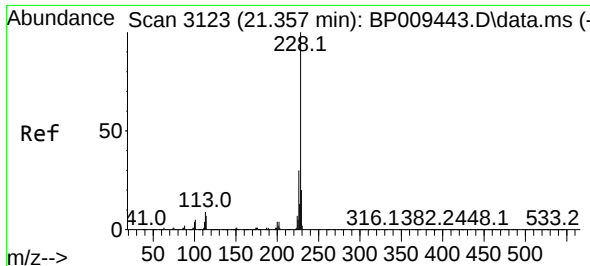
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#81
 Benzo(a)anthracene
 Concen: 72.360 ng m
 RT: 21.304 min Scan# 3114
 Delta R.T. 0.006 min
 Lab File: BP009518.D
 Acq: 23 Mar 2022 22:00

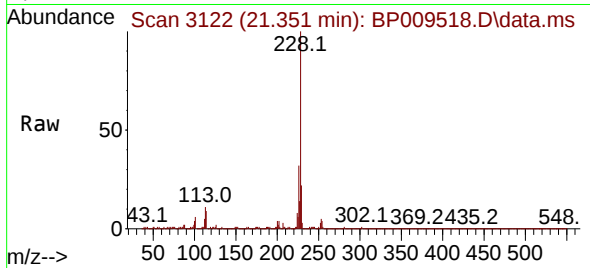
Tgt Ion:228 Resp: 7754762
 Ion Ratio Lower Upper
 228 100
 226 45.5 22.0 33.0#
 229 21.9 16.1 24.1





#83
Chrysene
Concen: 64.601 ng
RT: 21.351 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

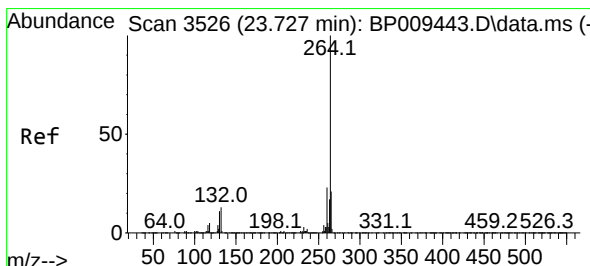
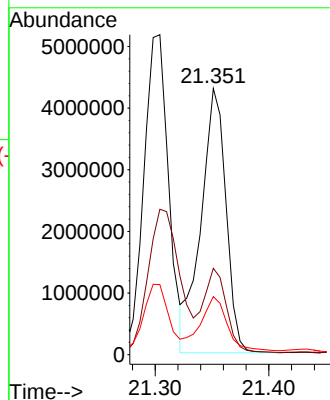
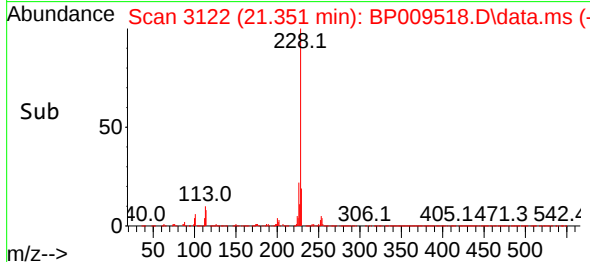
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion:228 Resp: 655569
Ion Ratio Lower Upper
228 100
226 32.4 24.2 36.2
229 21.8 16.1 24.1

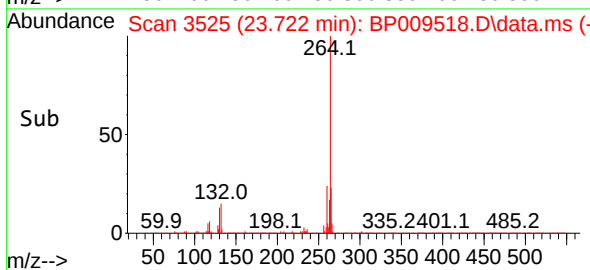
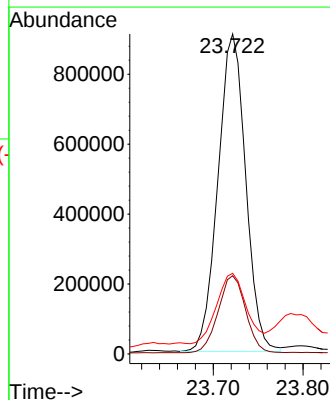
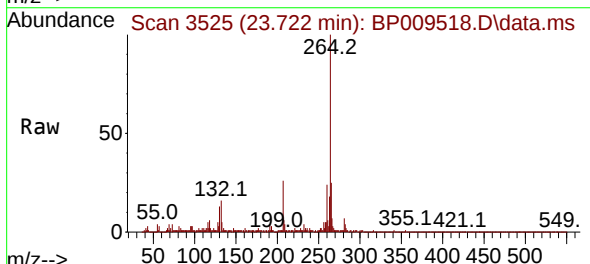
Manual Integrations
APPROVED

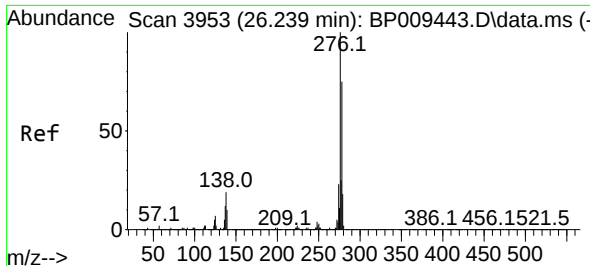
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.722 min Scan# 3525
Delta R.T. 0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

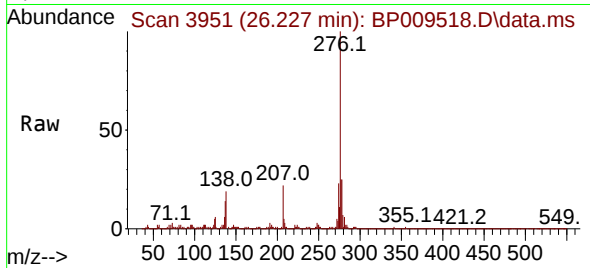
Tgt Ion:264 Resp: 1943019
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 25.2 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 24.460 ng
 RT: 26.227 min Scan# 3953
 Delta R.T. 0.000 min
 Lab File: BP009518.D
 Acq: 23 Mar 2022 22:00

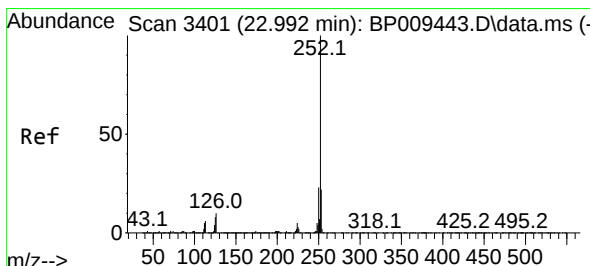
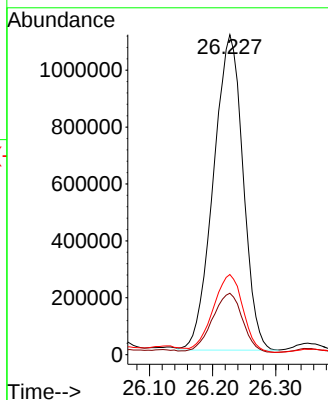
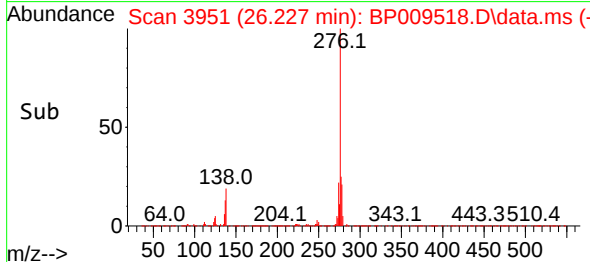
Instrument :
 BNA_P
 ClientSampleId :
 SB-13-20220316-16.0-17.0



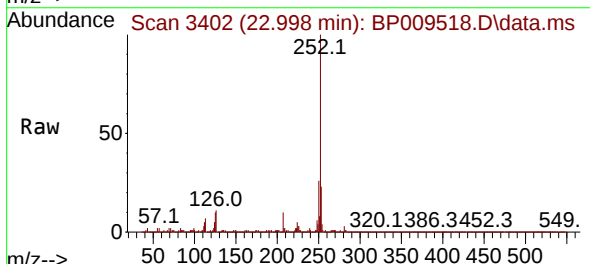
Tgt Ion: 276 Resp: 360565
 Ion Ratio Lower Upper
 276 100
 138 19.1 20.5 30.7
 277 25.0 20.4 30.6

Manual Integrations
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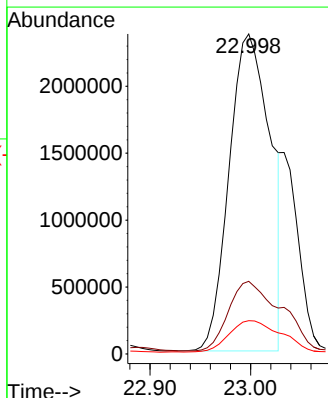
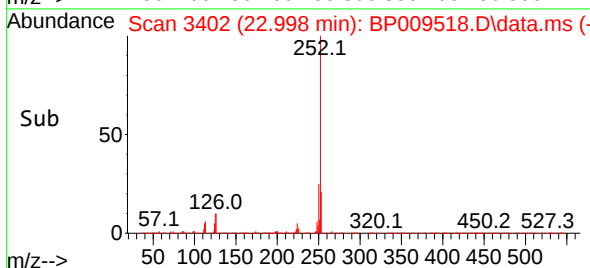
Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

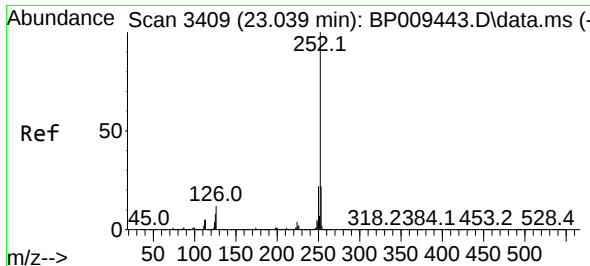


#88
 Benzo(b)fluoranthene
 Concen: 58.332 ng m
 RT: 22.998 min Scan# 3402
 Delta R.T. 0.012 min
 Lab File: BP009518.D
 Acq: 23 Mar 2022 22:00



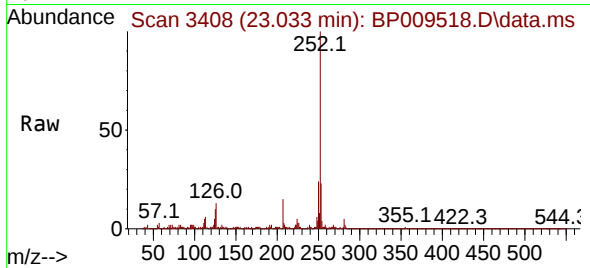
Tgt Ion: 252 Resp: 6766069
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.8
 125 10.4 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 15.355 ng m
RT: 23.033 min Scan# 3409
Delta R.T. -0.006 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

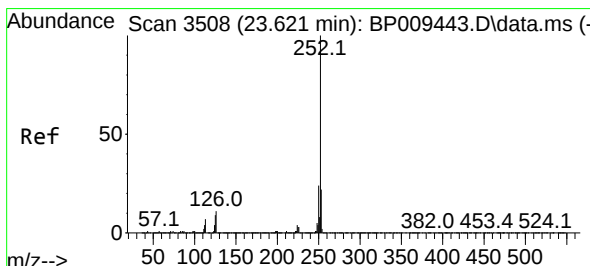
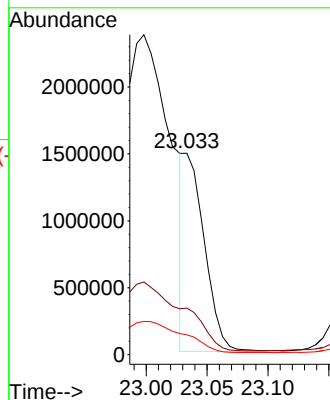
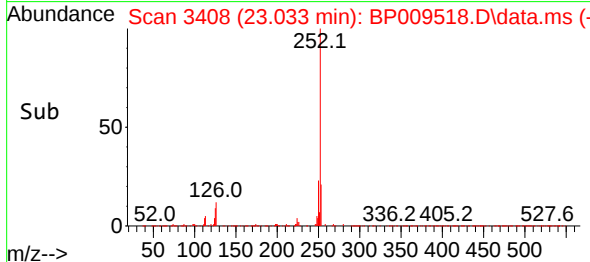
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion:252 Resp: 1743834
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 9.8 8.3 12.5

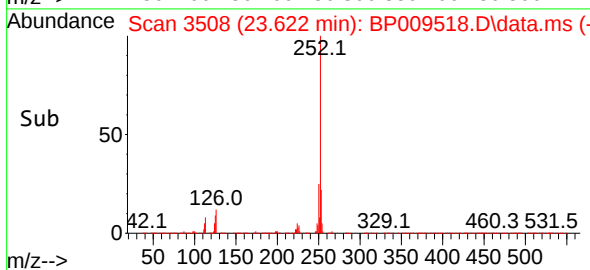
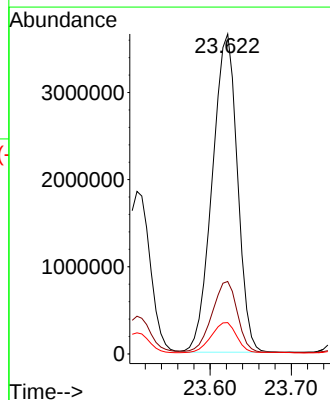
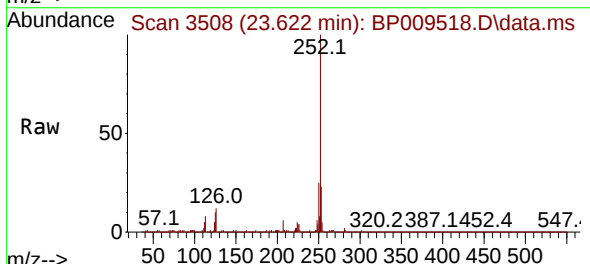
Manual Integrations
APPROVED

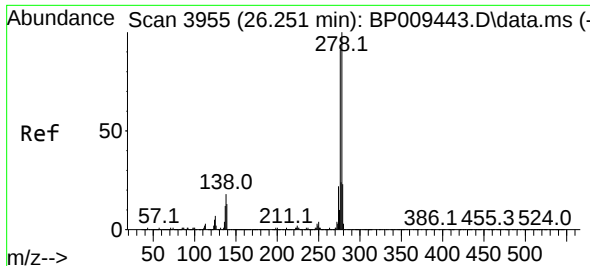
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#90
Benzo(a)pyrene
Concen: 79.129 ng
RT: 23.622 min Scan# 3508
Delta R.T. 0.012 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

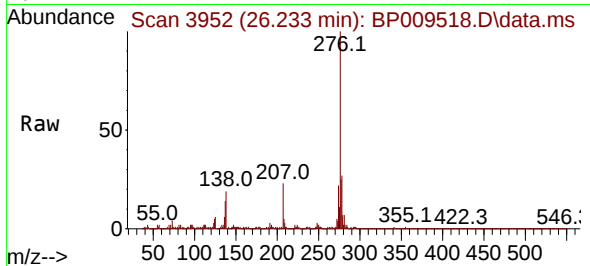
Tgt Ion:252 Resp: 7852871
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 9.8 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 7.863 ng m
RT: 26.233 min Scan# 3955
Delta R.T. -0.011 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

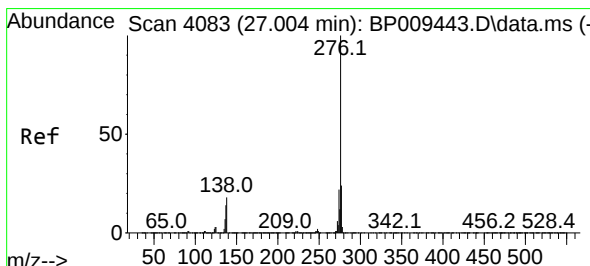
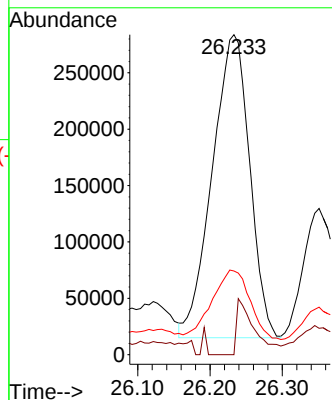
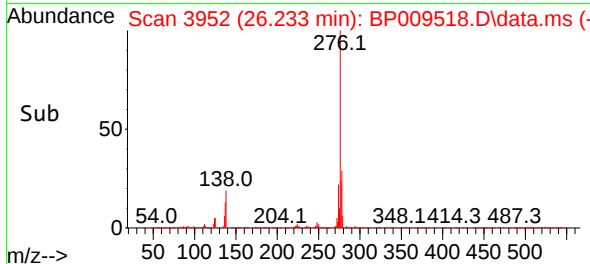
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0



Tgt Ion: 278 Resp: 96597
Ion Ratio Lower Upper
278 100
139 0.0 13.2 19.8
279 26.1 19.2 28.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022



#92
Benzo(g,h,i)perylene
Concen: 32.096 ng
RT: 26.998 min Scan# 4082
Delta R.T. 0.012 min
Lab File: BP009518.D
Acq: 23 Mar 2022 22:00

Tgt Ion: 276 Resp: 3879141
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 19.4 18.0 27.0

