

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009581.D
 Acq On : 28 Mar 2022 23:58
 Operator : CG/JU
 Sample : N2095-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-11-4.0-5.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/29/2022
 Supervised By : Jagrut Upadhyay 03/29/2022

Quant Time: Mar 29 03:14:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	327820	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1322644	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	837736	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1682220	20.000	ng	-0.01
76) Chrysene-d12	21.298	240	1623052	20.000	ng	0.00
86) Perylene-d12	23.692	264	1829233	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.370	112	2033597	108.307	ng	0.00
7) Phenol-d6	6.958	99	2625099	103.382	ng	0.00
23) Nitrobenzene-d5	8.922	82	1710356	68.718	ng	-0.01
42) 2,4,6-Tribromophenol	15.916	330	1190702	86.132	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	3943112	65.251	ng	0.00
79) Terphenyl-d14	19.757	244	5496649	60.786	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.605	128	285288	4.187	ng	99
37) 2-Methylnaphthalene	12.228	142	121135	2.534	ng	100
38) 1-Methylnaphthalene	12.446	142	97223	2.088	ng	97
49) Acenaphthylene	14.134	152	634063	8.348	ng	100
52) Acenaphthene	14.475	154	101176	2.230	ng	98
55) Dibenzofuran	14.810	168	165532	2.172	ng	# 86
58) Fluorene	15.469	166	189226	3.156	ng	# 97
71) Phenanthrene	17.222	178	3701406	41.104	ng	100
72) Anthracene	17.310	178	1183771	13.315	ng	99
73) Carbazole	17.587	167	220738	2.539	ng	96
75) Fluoranthene	19.210	202	8310264	76.228	ng	98
78) Pyrene	19.563	202	7776573	72.711	ng	98
81) Benzo(a)anthracene	21.280	228	4688401	43.967	ng	96
83) Chrysene	21.333	228	4305289	42.638	ng	97
87) Indeno(1,2,3-cd)pyrene	26.192	276	3239851	23.345	ng	# 93
88) Benzo(b)fluoranthene	22.969	252	6306900m	57.755	ng	
89) Benzo(k)fluoranthene	23.010	252	1530116m	14.311	ng	
90) Benzo(a)pyrene	23.592	252	4407588	47.176	ng	97
91) Dibenzo(a,h)anthracene	26.198	278	802563	6.939	ng	# 88
92) Benzo(g,h,i)perylene	26.957	276	3052453	26.827	ng	97

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

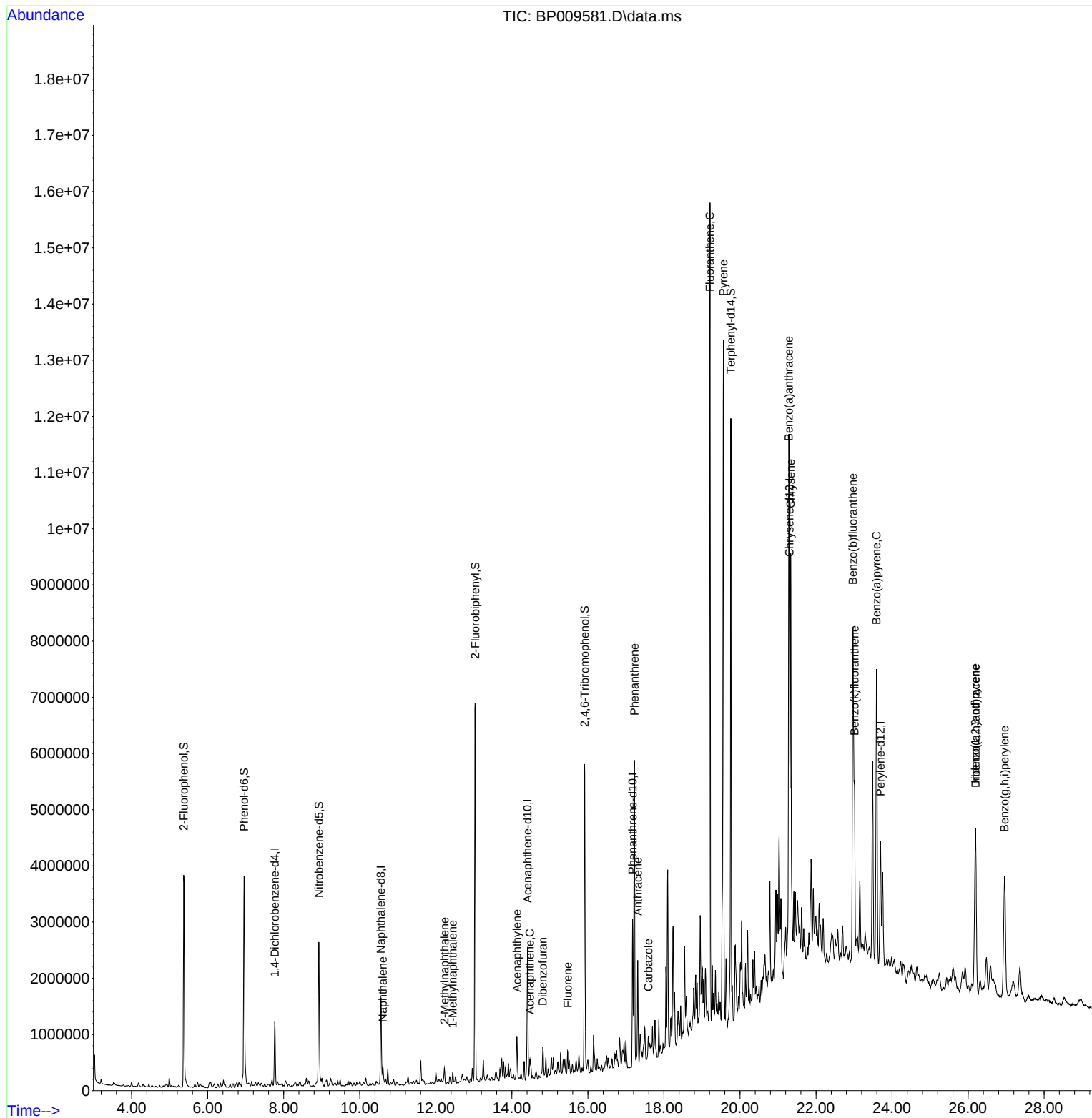
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

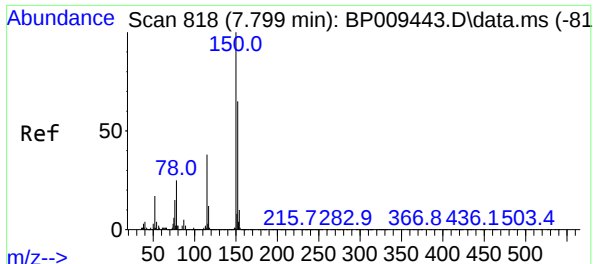
Instrument :
BNA_P
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SB-11-4.0-5.0

Quant Time: Mar 29 03:14:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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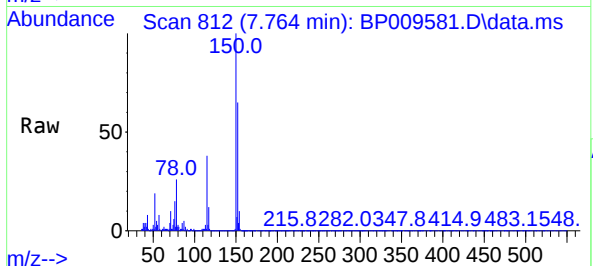
Reviewed By : Christian Giraldo 03/29/2022
Supervised By : Jagrut Upadhyay 03/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

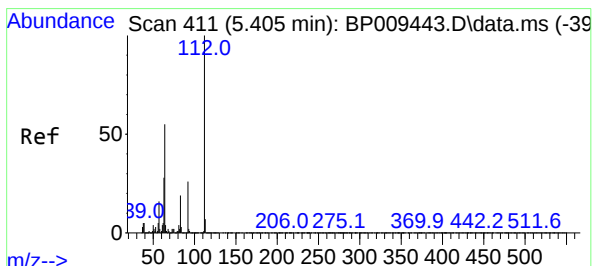
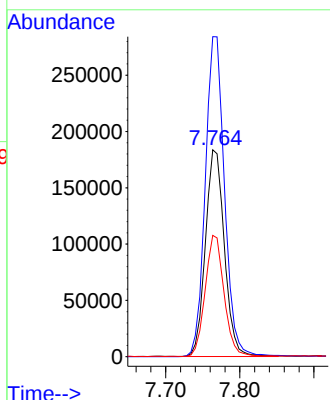
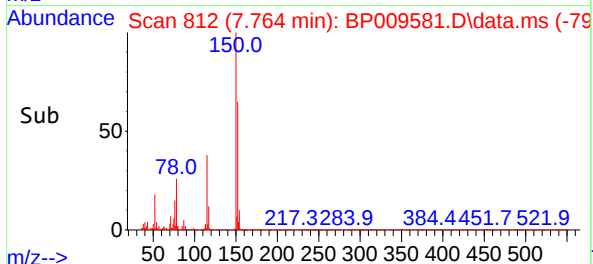
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



Tgt Ion:152 Resp: 327820
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 58.6 48.2 72.4

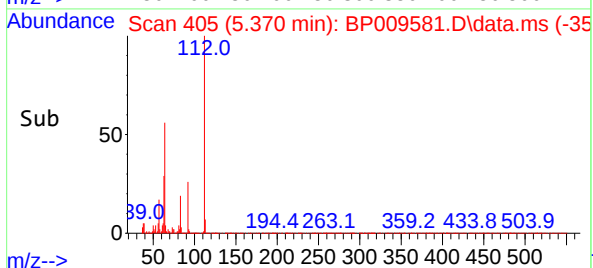
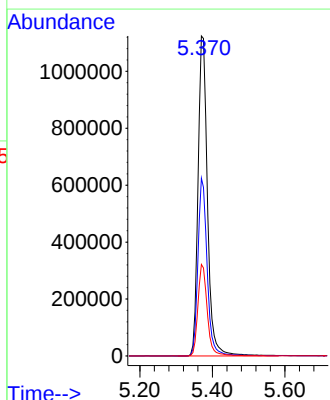
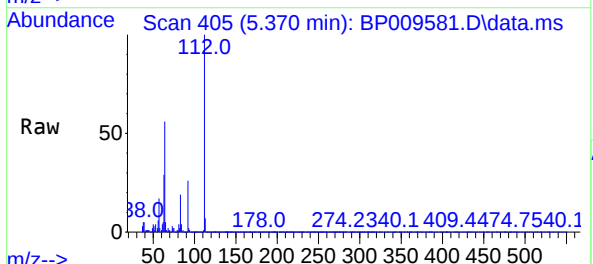
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Supervised By :Jagrut Upadhyay 03/29/2022



#5
2-Fluorophenol
Concen: 108.307 ng
RT: 5.370 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

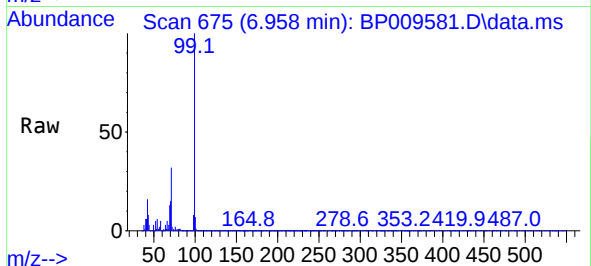
Tgt Ion:112 Resp: 2033597
Ion Ratio Lower Upper
112 100
64 55.5 45.0 67.4
63 28.6 23.0 34.6





#7
Phenol-d6
Concen: 103.382 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

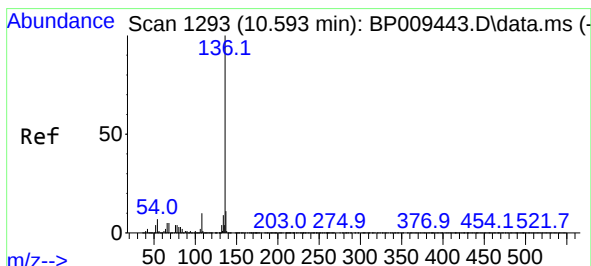
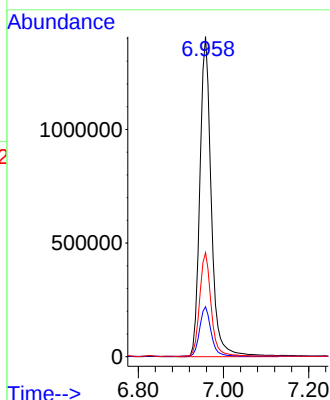
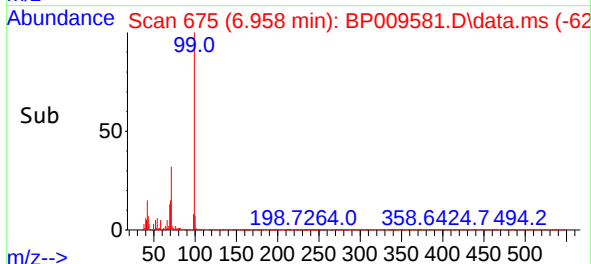
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



Tgt Ion: 99 Resp: 2625099
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.5 26.3 39.5

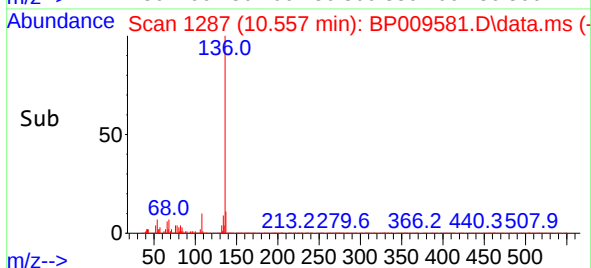
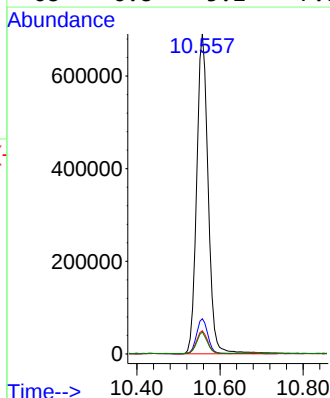
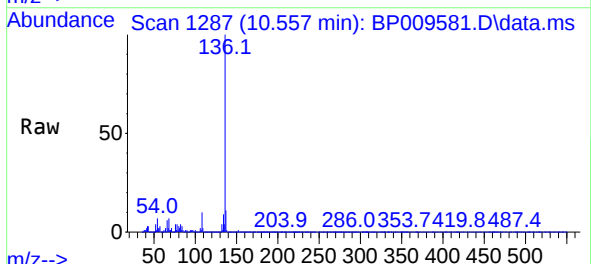
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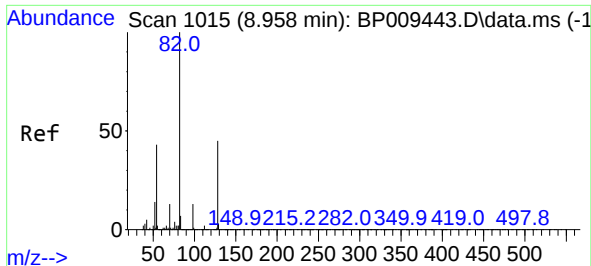
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Tgt Ion:136 Resp: 1322644
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.2 5.8 8.8
68 6.8 5.2 7.8





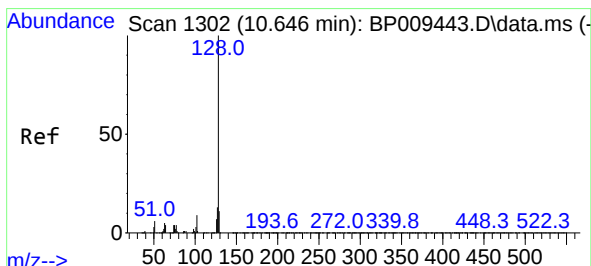
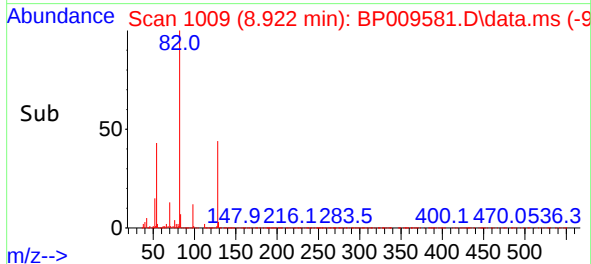
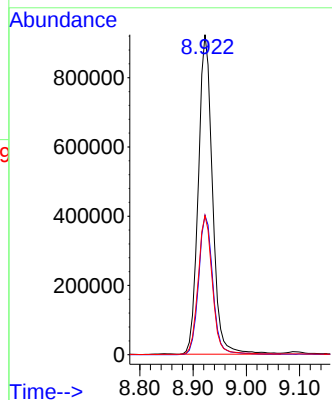
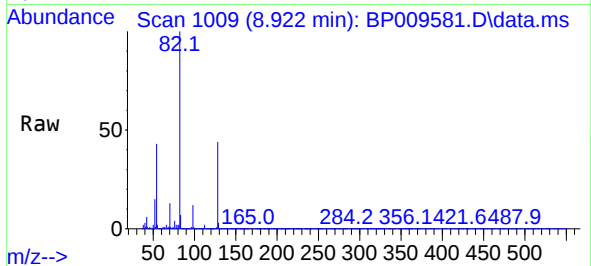
#23
Nitrobenzene-d5
Concen: 68.718 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

Tgt Ion: 82 Resp: 1710350
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.4
54 43.4 34.7 52.1

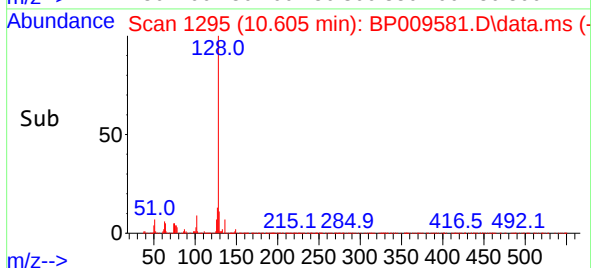
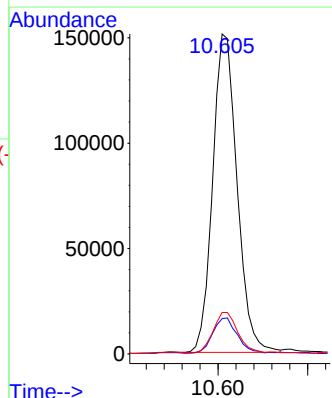
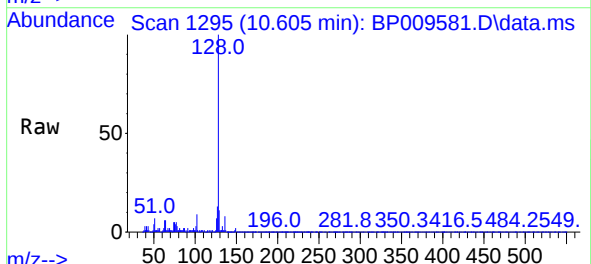
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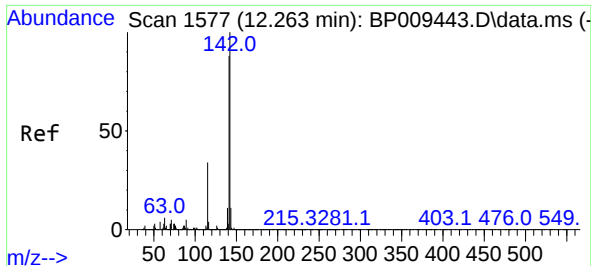
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#31
Naphthalene
Concen: 4.187 ng
RT: 10.605 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

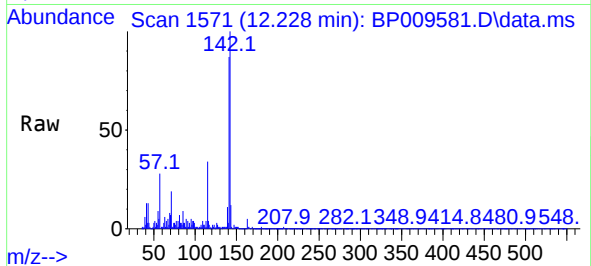
Tgt Ion:128 Resp: 285288
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 12.9 10.5 15.7





#37
2-Methylnaphthalene
Concen: 2.534 ng
RT: 12.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

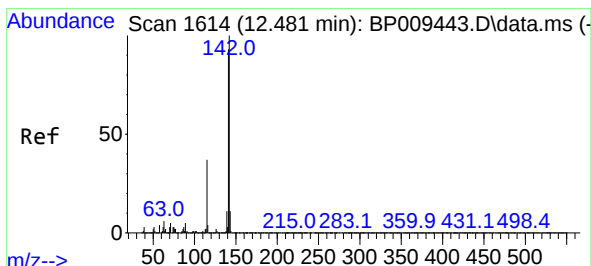
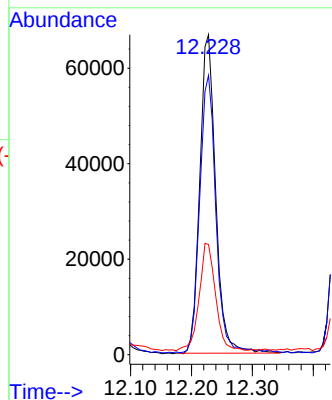
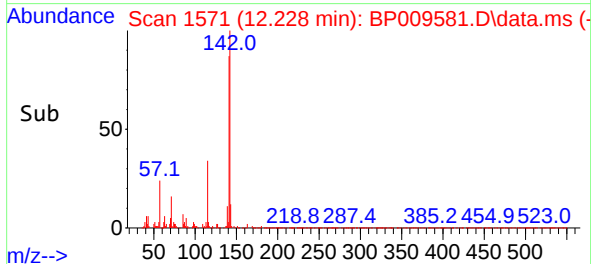
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



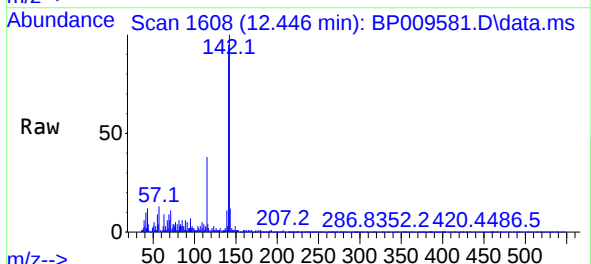
Tgt Ion:142 Resp: 121135
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.4
115 34.4 27.4 41.2

Manual Integrations
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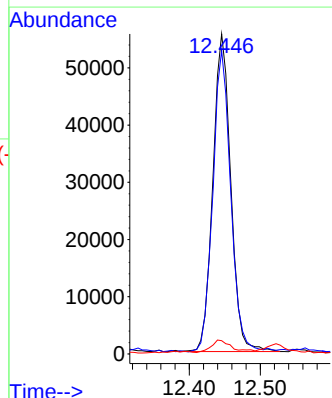
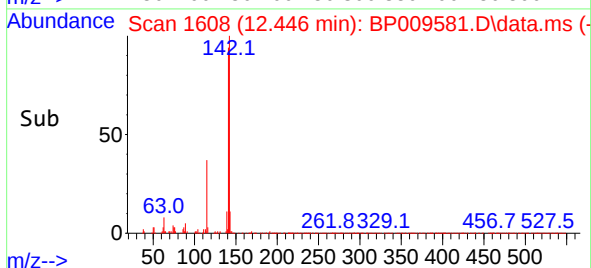
Reviewed By :Christian Giraldo 03/29/2022
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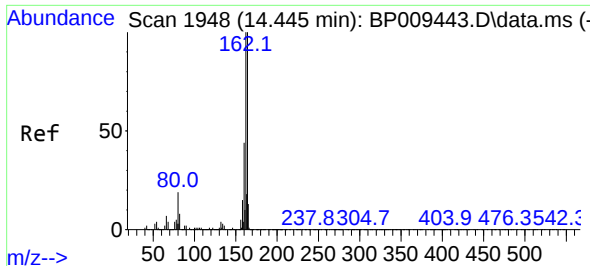


#38
1-Methylnaphthalene
Concen: 2.088 ng
RT: 12.446 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58



Tgt Ion:142 Resp: 97223
Ion Ratio Lower Upper
142 100
141 94.8 73.5 110.3
116 4.2 3.3 4.9





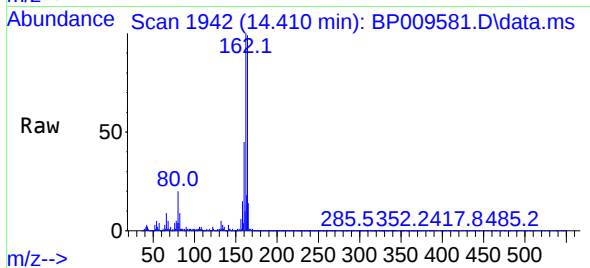
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Instrument :

BNA_P

ClientSampleId :

SB-11-4.0-5.0

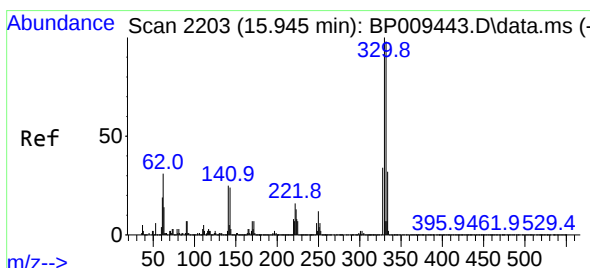
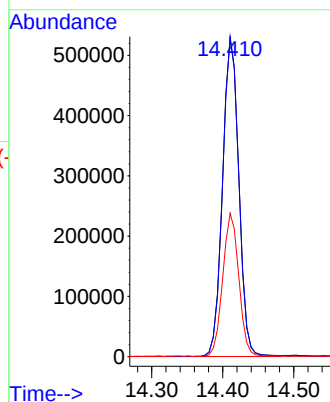
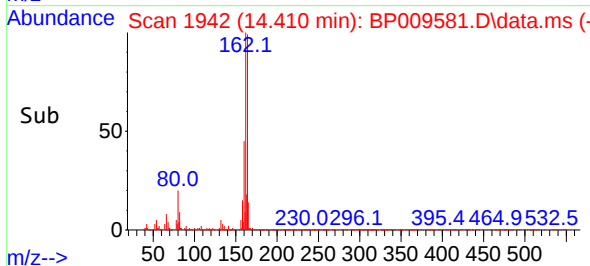


Tgt Ion:164 Resp: 837730
Ion Ratio Lower Upper
164 100
162 100.6 79.1 118.7
160 45.1 34.9 52.3

Manual Integrations

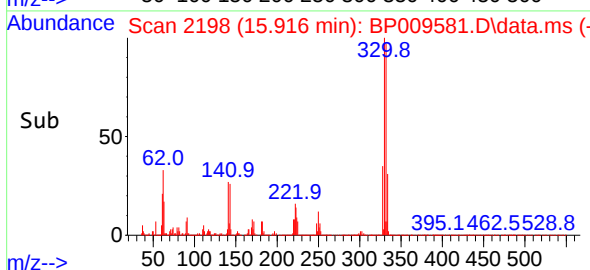
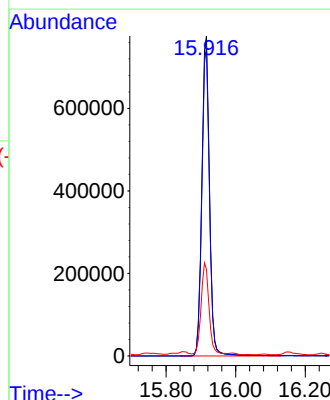
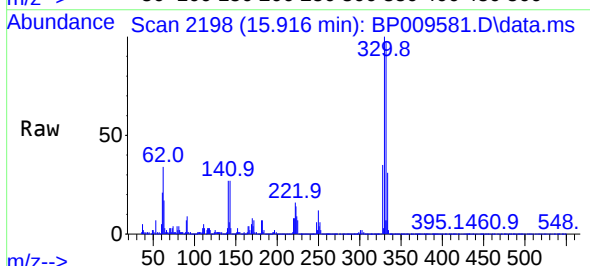
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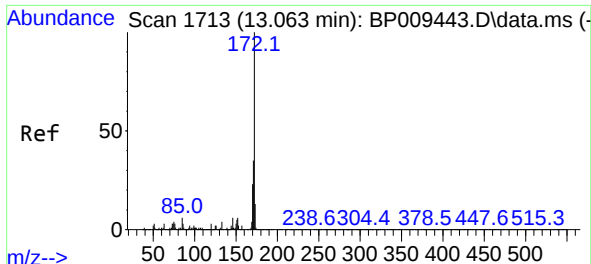
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#42
2,4,6-Tribromophenol
Concen: 86.132 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Tgt Ion:330 Resp: 1190702
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 28.8 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 65.251 ng
RT: 13.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Instrument :

BNA_P

ClientSampleId :

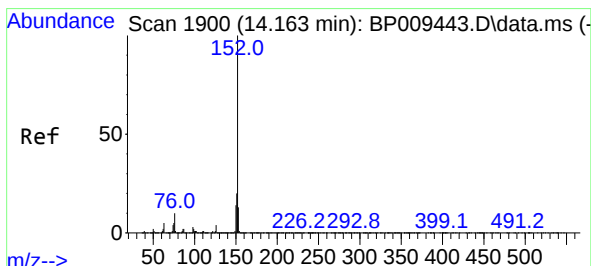
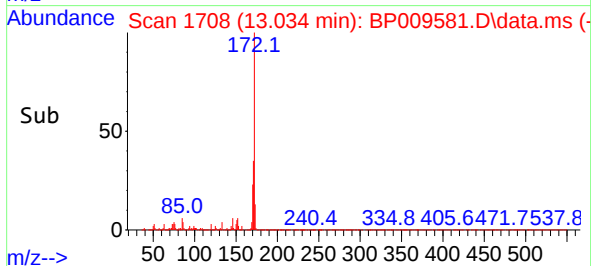
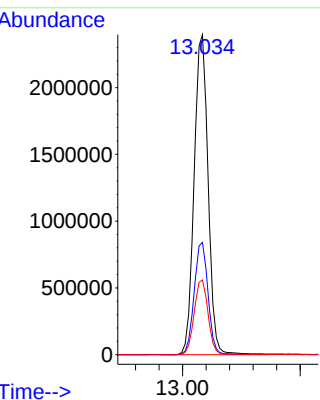
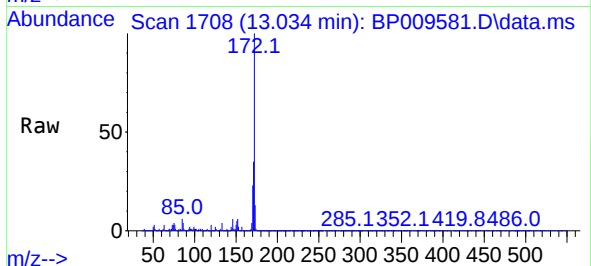
SB-11-4.0-5.0

Tgt Ion:172 Resp: 394311
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.4 18.6 27.8

Manual Integrations

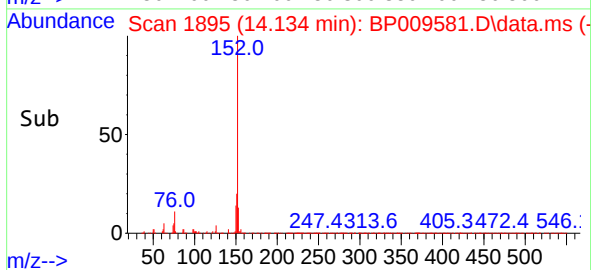
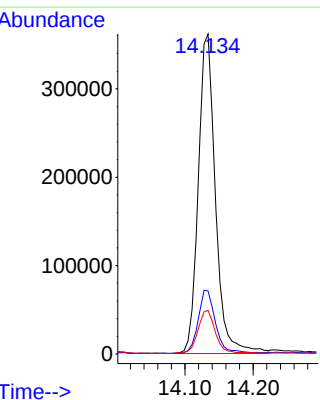
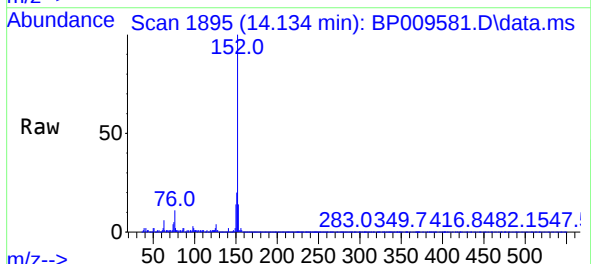
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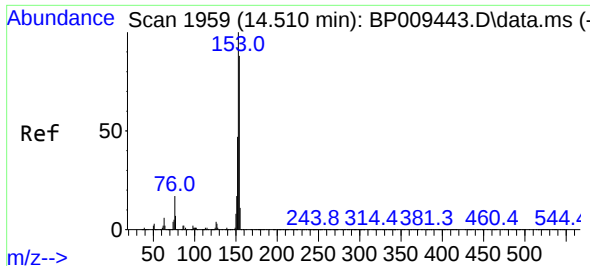
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#49
Acenaphthylene
Concen: 8.348 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Tgt Ion:152 Resp: 634063
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.6 10.7 16.1





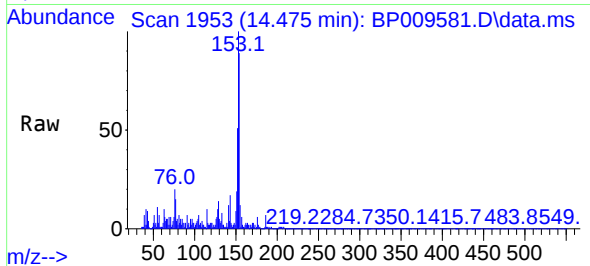
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Acenaphthene
Concen: 2.230 ng
RT: 14.475 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Instrument :

BNA_P

ClientSampleId :

SB-11-4.0-5.0

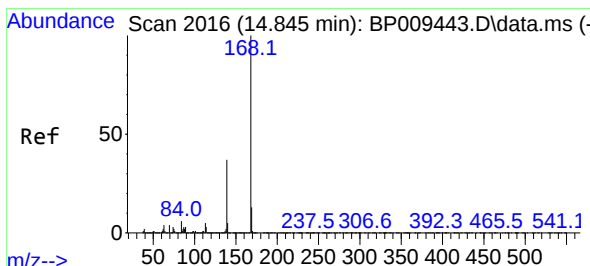
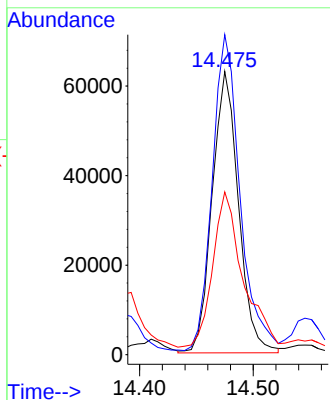
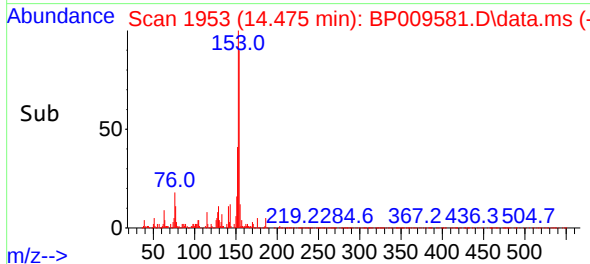


Tgt Ion:154 Resp: 101170
Ion Ratio Lower Upper
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153 113.0 90.2 135.4
152 57.5 42.7 64.1

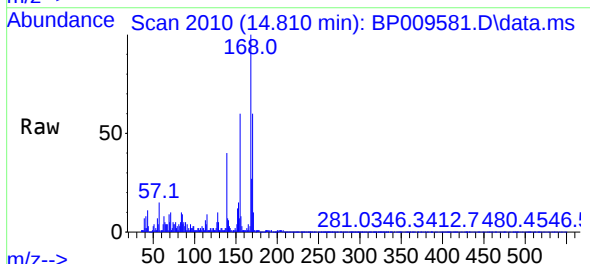
Manual Integrations

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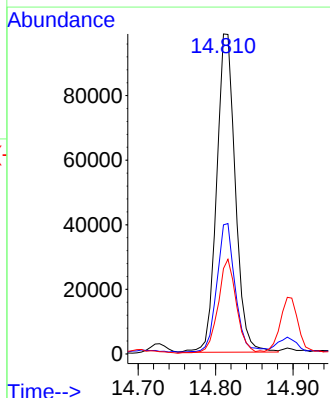
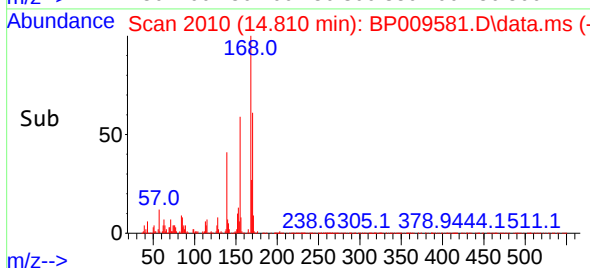
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

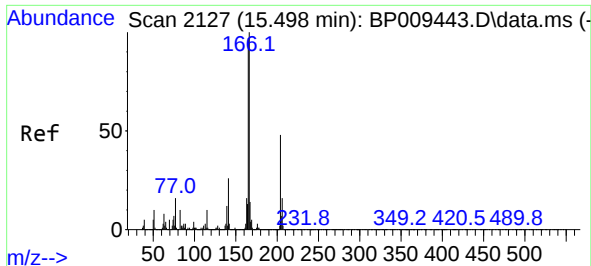


#55
Dibenzofuran
Concen: 2.172 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58



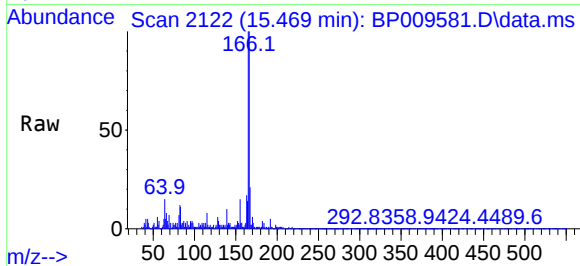
Tgt Ion:168 Resp: 165532
Ion Ratio Lower Upper
168 100
139 40.4 29.1 43.7
169 26.7 10.6 16.0#





#58
Fluorene
Concen: 3.156 ng
RT: 15.469 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

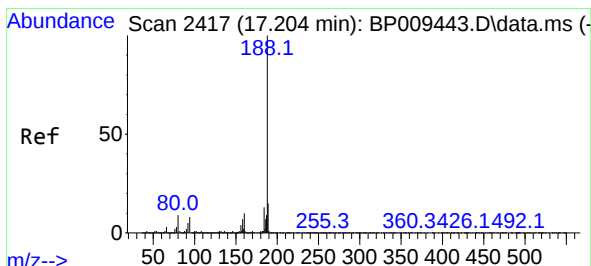
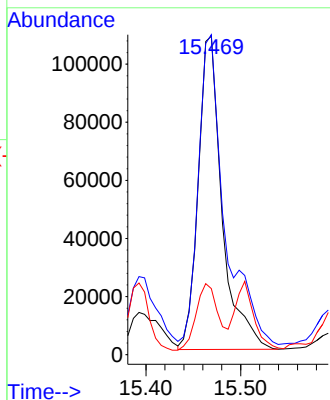
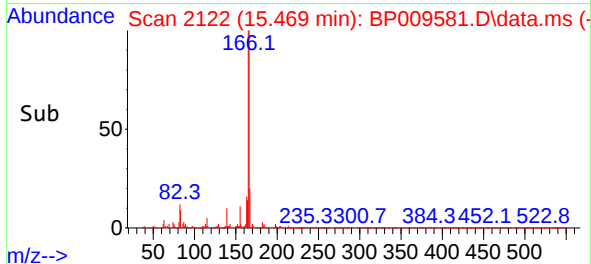
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



Tgt Ion:166 Resp: 189220
Ion Ratio Lower Upper
166 100
165 100.4 79.2 118.8
167 20.7 10.7 16.1

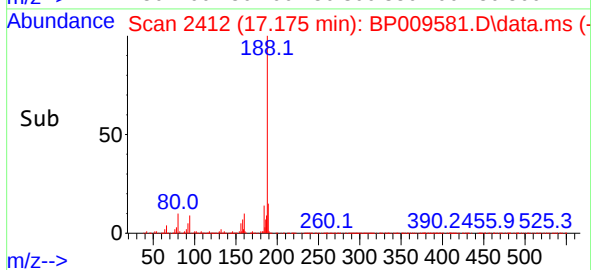
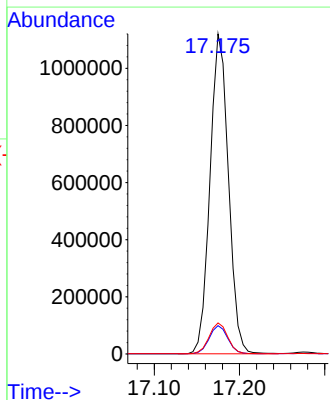
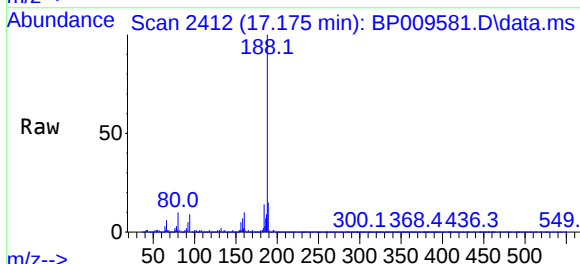
Manual Integrations
APPROVED

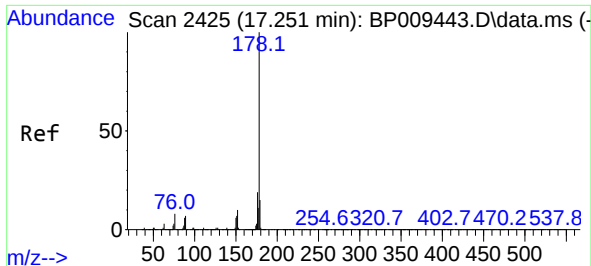
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

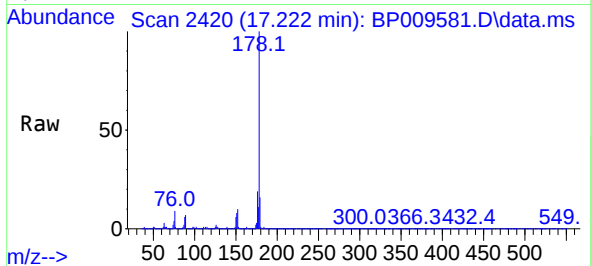
Tgt Ion:188 Resp: 1682220
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.7 8.8 13.2





#71
Phenanthrene
Concen: 41.104 ng
RT: 17.222 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

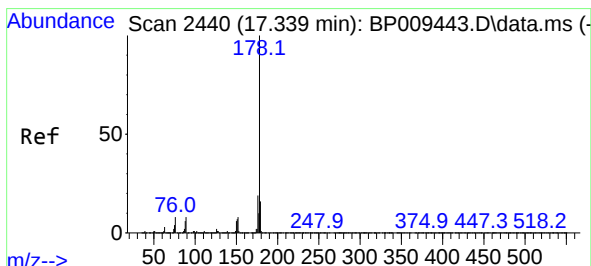
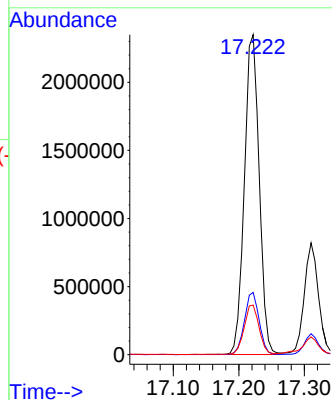
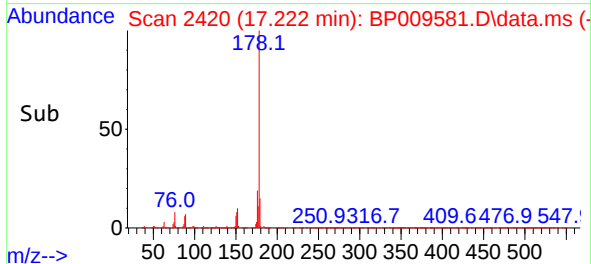
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



Tgt Ion:178 Resp: 3701400
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.5 12.3 18.5

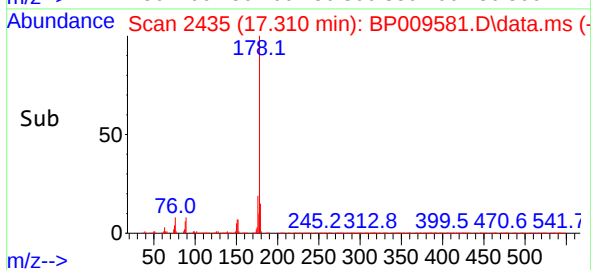
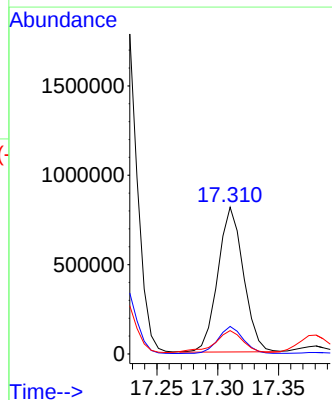
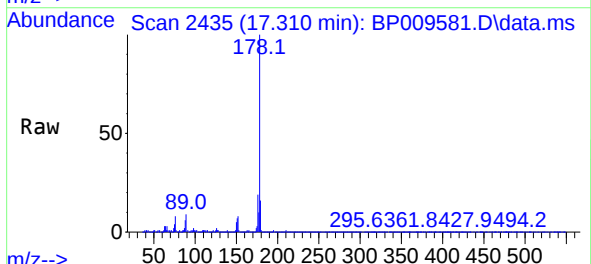
Manual Integrations
APPROVED

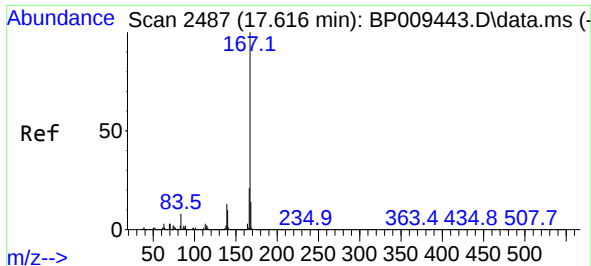
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#72
Anthracene
Concen: 13.315 ng
RT: 17.310 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

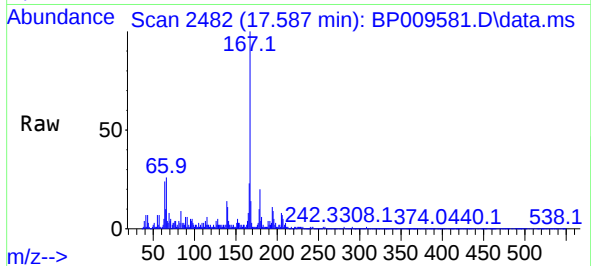
Tgt Ion:178 Resp: 1183771
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.9 12.2 18.4





#73
 Carbazole
 Concen: 2.539 ng
 RT: 17.587 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BP009581.D
 Acq: 28 Mar 2022 23:58

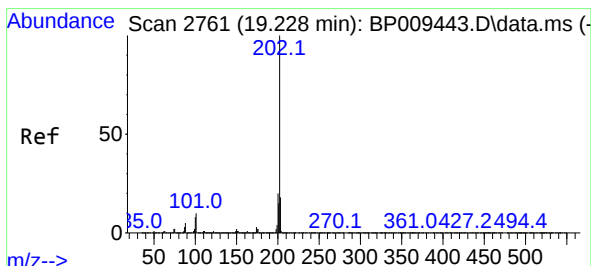
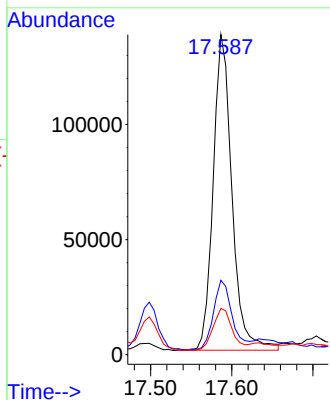
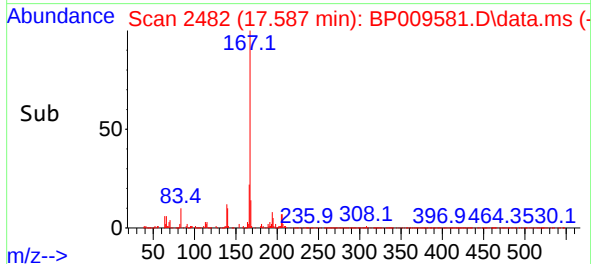
Instrument :
 BNA_P
 ClientSampleId :
 SB-11-4.0-5.0



Tgt Ion:167 Resp: 220738
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.2 25.8
 139 14.4 10.3 15.5

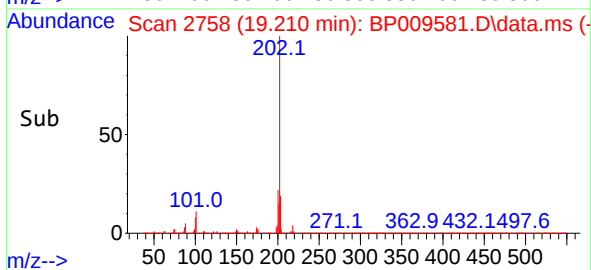
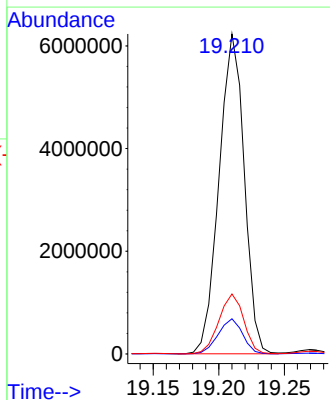
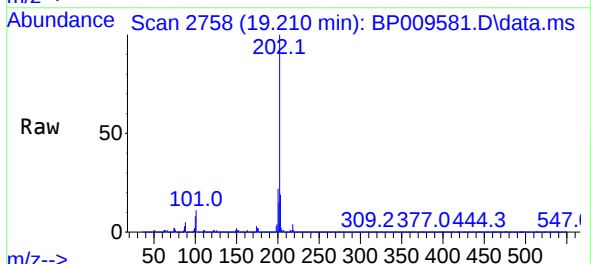
Manual Integrations
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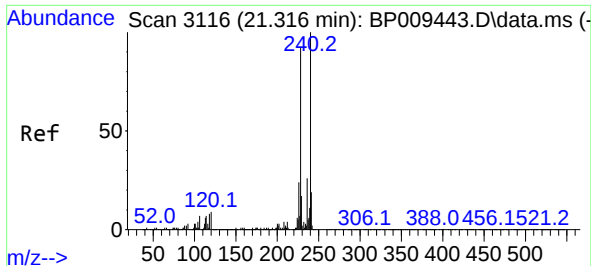
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#75
 Fluoranthene
 Concen: 76.228 ng
 RT: 19.210 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP009581.D
 Acq: 28 Mar 2022 23:58

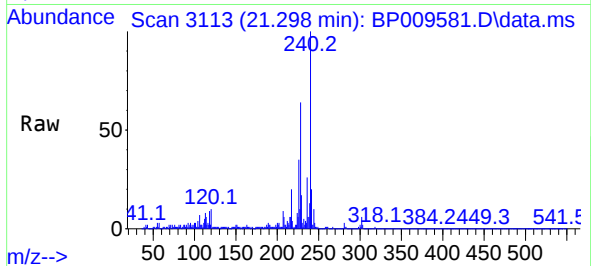
Tgt Ion:202 Resp: 8310264
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 31.5
 203 18.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

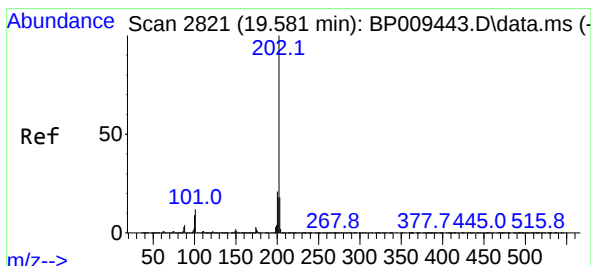
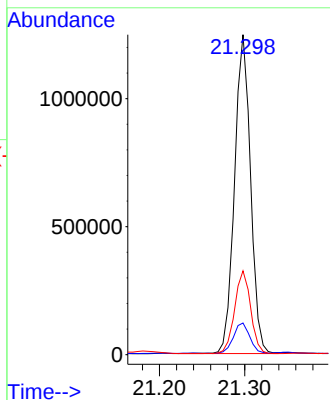
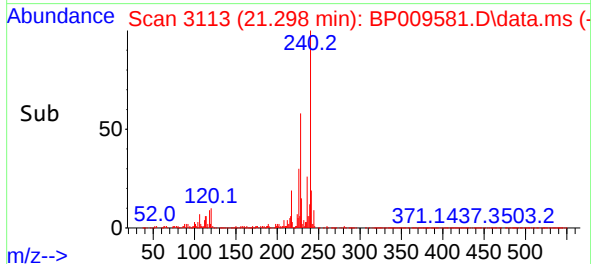
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



Tgt Ion:240 Resp: 162305
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.4
236 26.2 20.6 30.8

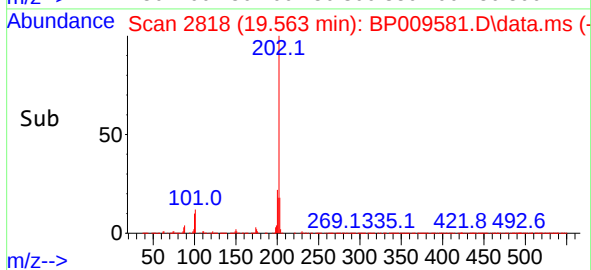
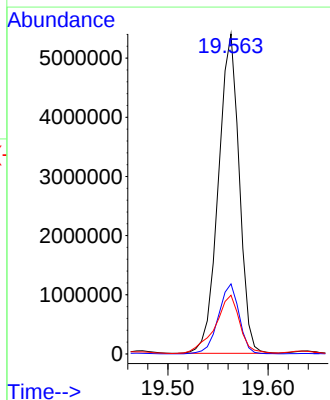
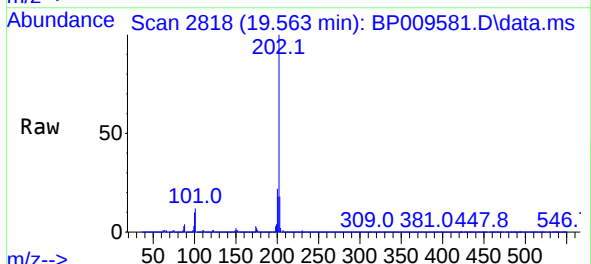
Manual Integrations
APPROVED

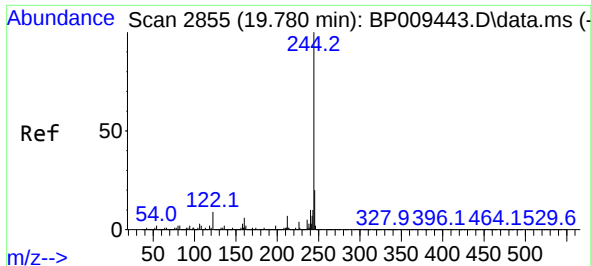
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#78
Pyrene
Concen: 72.711 ng
RT: 19.563 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Tgt Ion:202 Resp: 7776573
Ion Ratio Lower Upper
202 100
200 21.9 16.8 25.2
203 18.3 14.2 21.4





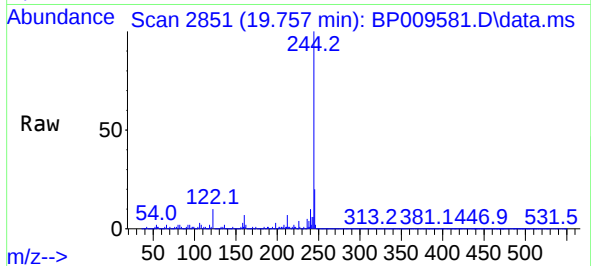
#79
 Terphenyl-d14
 Concen: 60.786 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009581.D
 Acq: 28 Mar 2022 23:58

Instrument :

BNA_P

ClientSampleId :

SB-11-4.0-5.0

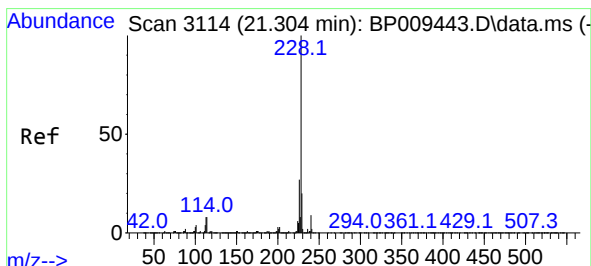
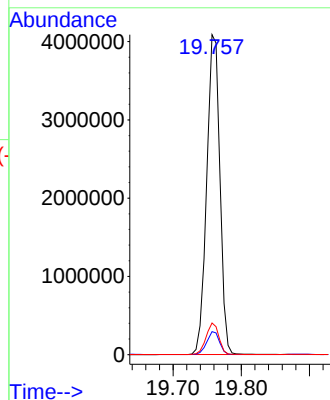
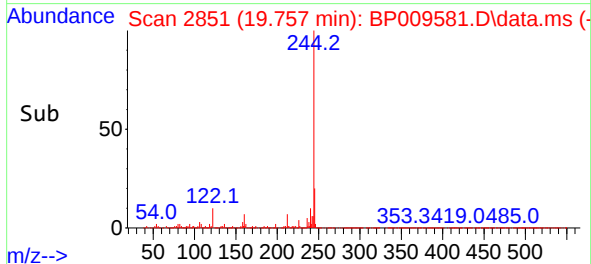


Tgt Ion:244 Resp: 5496649
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.9 8.3 12.5

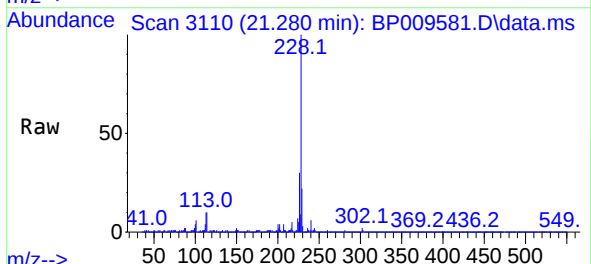
Manual Integrations

APPROVED

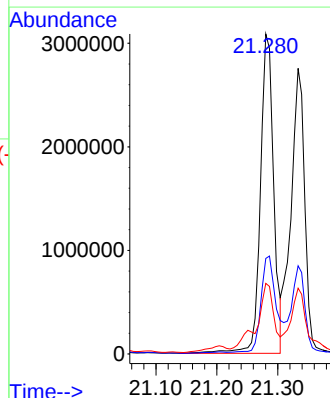
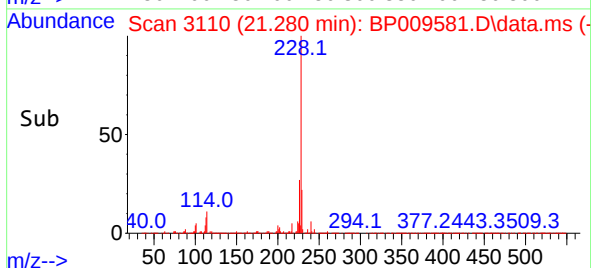
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022

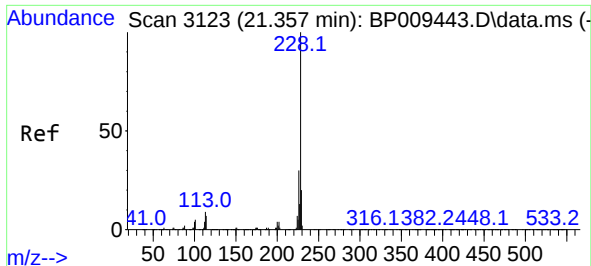


#81
 Benzo(a)anthracene
 Concen: 43.967 ng
 RT: 21.280 min Scan# 3110
 Delta R.T. -0.006 min
 Lab File: BP009581.D
 Acq: 28 Mar 2022 23:58



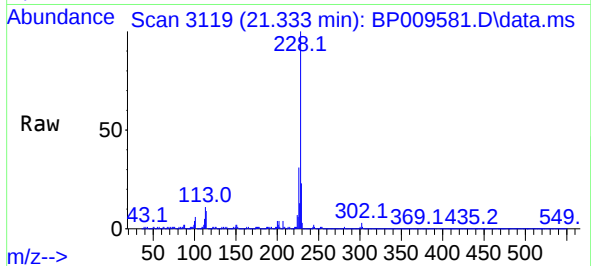
Tgt Ion:228 Resp: 4688401
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.0 33.0
 229 22.0 16.1 24.1





#83
Chrysene
Concen: 42.638 ng
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

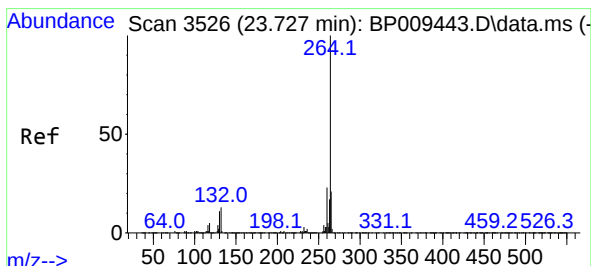
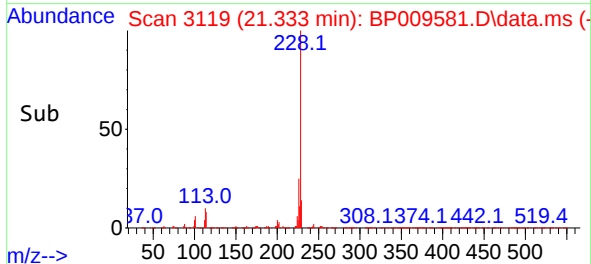
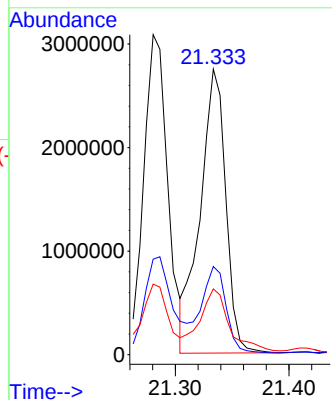
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



Tgt Ion:228 Resp: 4305289
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 23.0 16.1 24.1

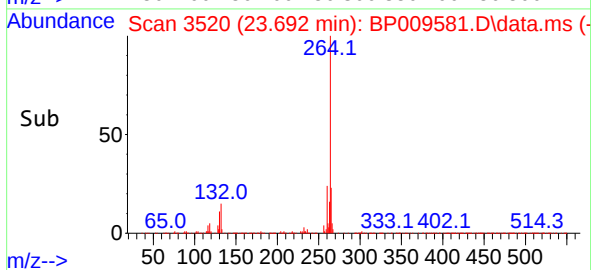
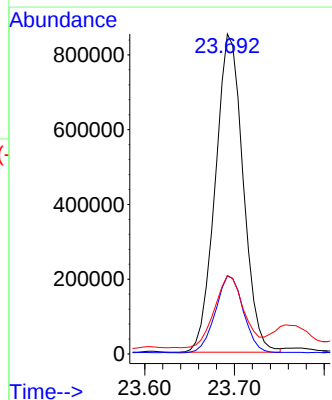
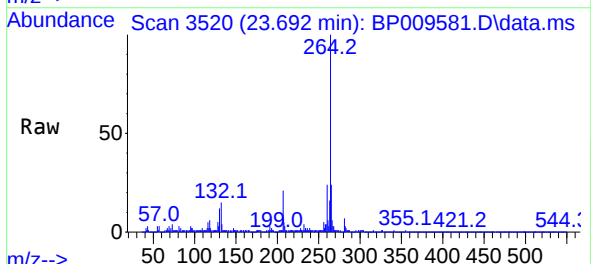
Manual Integrations
APPROVED

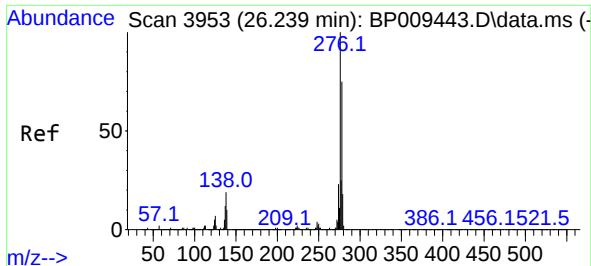
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.692 min Scan# 3520
Delta R.T. 0.000 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Tgt Ion:264 Resp: 1829233
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 24.5 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 23.345 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Instrument :

BNA_P

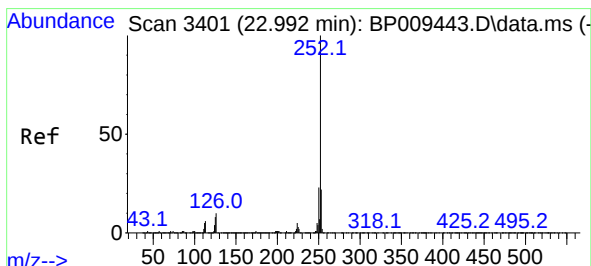
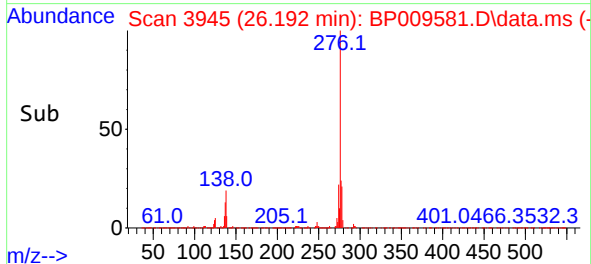
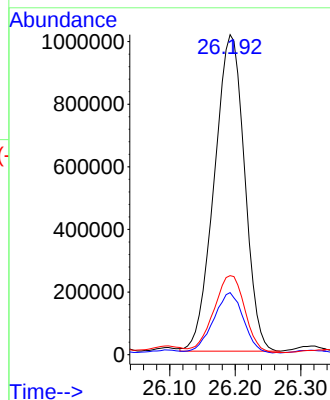
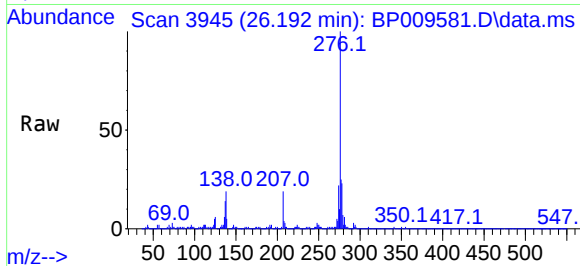
ClientSampleId :

SB-11-4.0-5.0

Tgt Ion:276 Resp: 323985
Ion Ratio Lower Upper
276 100
138 19.0 20.5 30.7
277 24.9 20.4 30.6

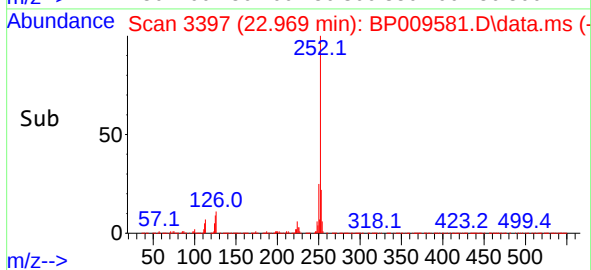
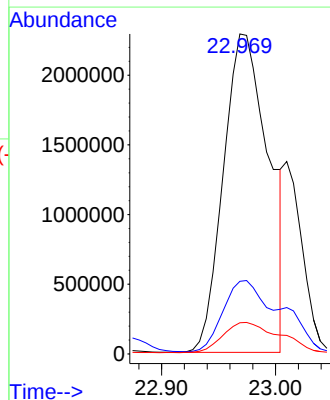
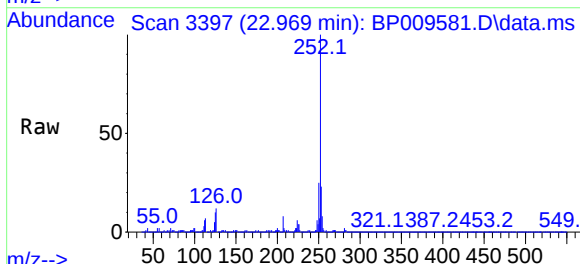
Manual Integrations
APPROVED

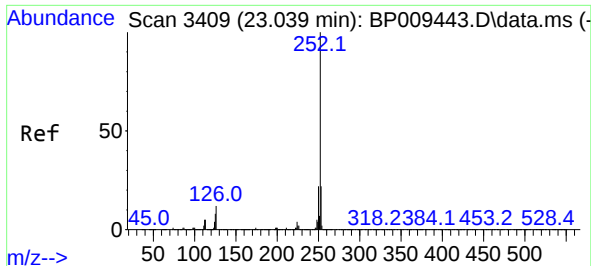
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#88
Benzo(b)fluoranthene
Concen: 57.755 ng m
RT: 22.969 min Scan# 3397
Delta R.T. 0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

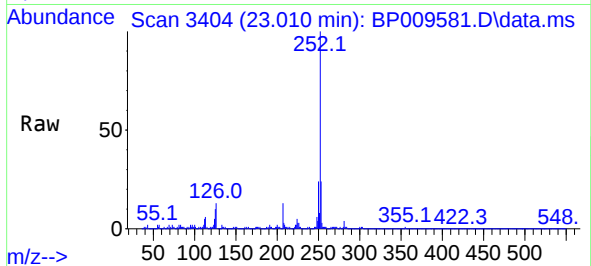
Tgt Ion:252 Resp: 6306900
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 9.8 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 14.311 ng m
RT: 23.010 min Scan# 3409
Delta R.T. 0.000 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

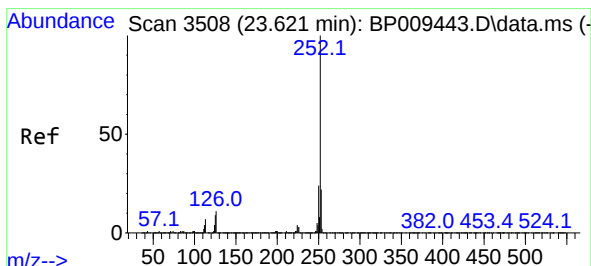
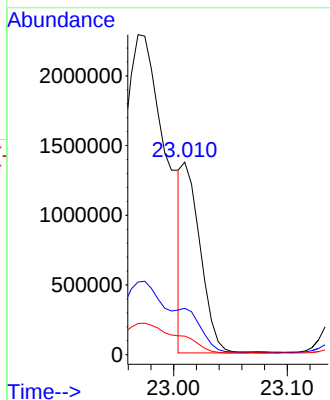
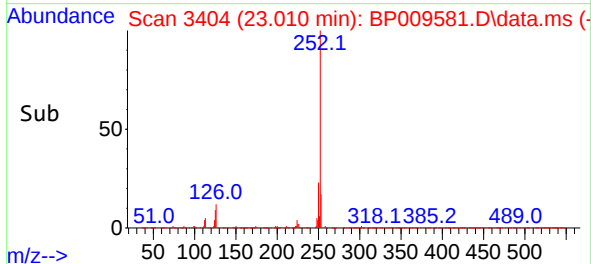
Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0



Tgt Ion:252 Resp: 1530110
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 9.6 8.3 12.5

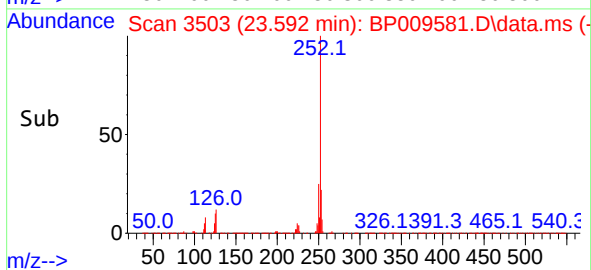
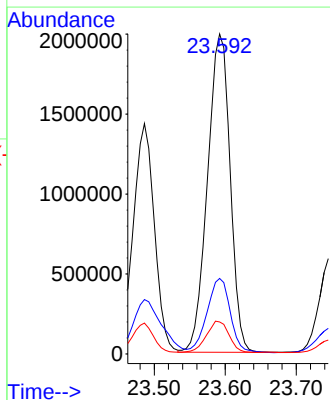
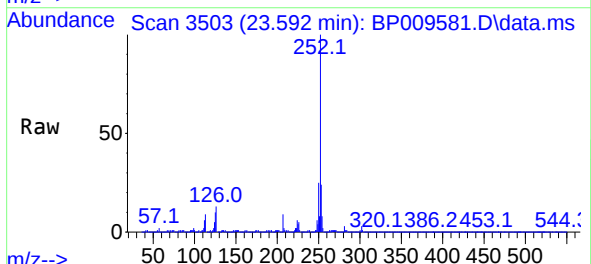
Manual Integrations
APPROVED

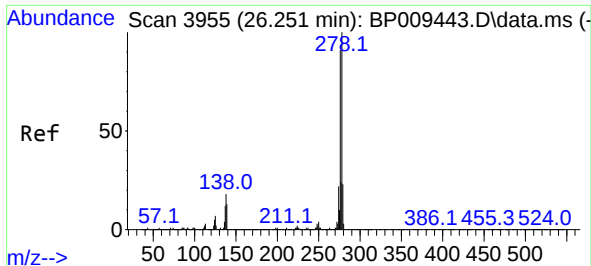
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#90
Benzo(a)pyrene
Concen: 47.176 ng
RT: 23.592 min Scan# 3503
Delta R.T. 0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Tgt Ion:252 Resp: 4407588
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.0 9.3 13.9





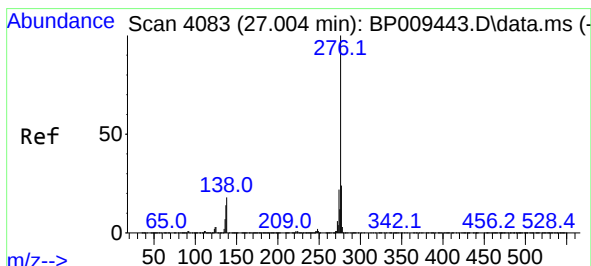
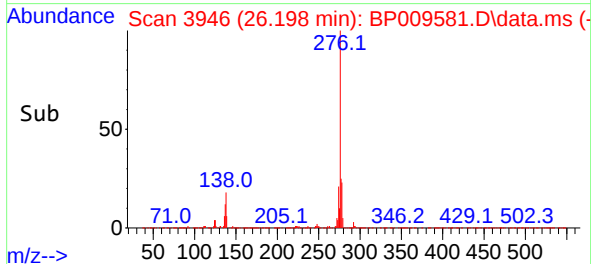
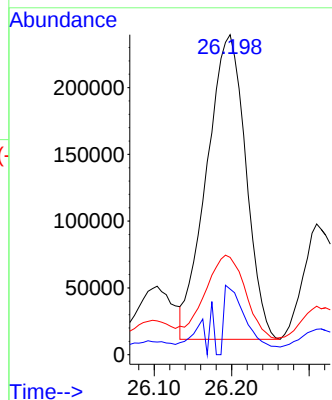
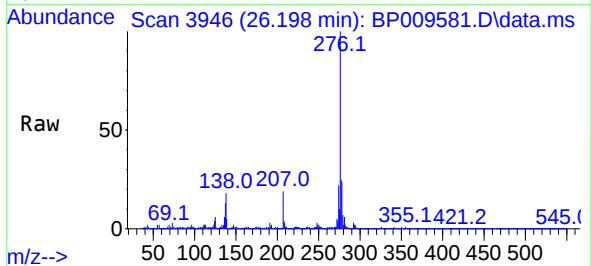
#91
Dibenzo(a,h)anthracene
Concen: 6.939 ng
RT: 26.198 min Scan# 3955
Delta R.T. -0.012 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

Tgt Ion:278 Resp: 802561
Ion Ratio Lower Upper
278 100
139 20.5 13.2 19.8
279 30.4 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#92
Benzo(g,h,i)perylene
Concen: 26.827 ng
RT: 26.957 min Scan# 4075
Delta R.T. 0.006 min
Lab File: BP009581.D
Acq: 28 Mar 2022 23:58

Tgt Ion:276 Resp: 3052453
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 19.6 18.0 27.0

