

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
 Data File : BP009487.D
 Acq On : 22 Mar 2022 14:40
 Operator : CG/JU
 Sample : N1995-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-07-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/23/2022
 Supervised By : Jagrut Upadhyay 03/23/2022

Quant Time: Mar 23 01:21:10 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 17 18:26:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	358815	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1320677	20.000	ng	-0.01
39) Acenaphthene-d10	14.434	164	744287	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	1451383	20.000	ng	0.00
76) Chrysene-d12	21.310	240	1643156	20.000	ng	0.00
86) Perylene-d12	23.710	264	1895549	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2024534	98.510	ng	0.00
7) Phenol-d6	6.981	99	2484231	89.384	ng	-0.01
23) Nitrobenzene-d5	8.946	82	1564648	62.957	ng	-0.01
42) 2,4,6-Tribromophenol	15.934	330	865436	70.464	ng	-0.01
45) 2-Fluorobiphenyl	13.051	172	3047553	56.763	ng	-0.01
79) Terphenyl-d14	19.774	244	4076809	44.533	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.239	178	266447	3.429	ng	99
75) Fluoranthene	19.222	202	743435	7.904	ng	98
78) Pyrene	19.575	202	717829	6.630	ng	99
81) Benzo(a)anthracene	21.292	228	498968	4.622	ng	96
83) Chrysene	21.345	228	520410	5.091	ng	98
87) Indeno(1,2,3-cd)pyrene	26.204	276	448163	3.116	ng	# 95
88) Benzo(b)fluoranthene	22.980	252	862220m	7.620	ng	
89) Benzo(k)fluoranthene	23.021	252	269990m	2.437	ng	
90) Benzo(a)pyrene	23.604	252	581360	6.005	ng	97
92) Benzo(g,h,i)perylene	26.974	276	438645	3.720	ng	95

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

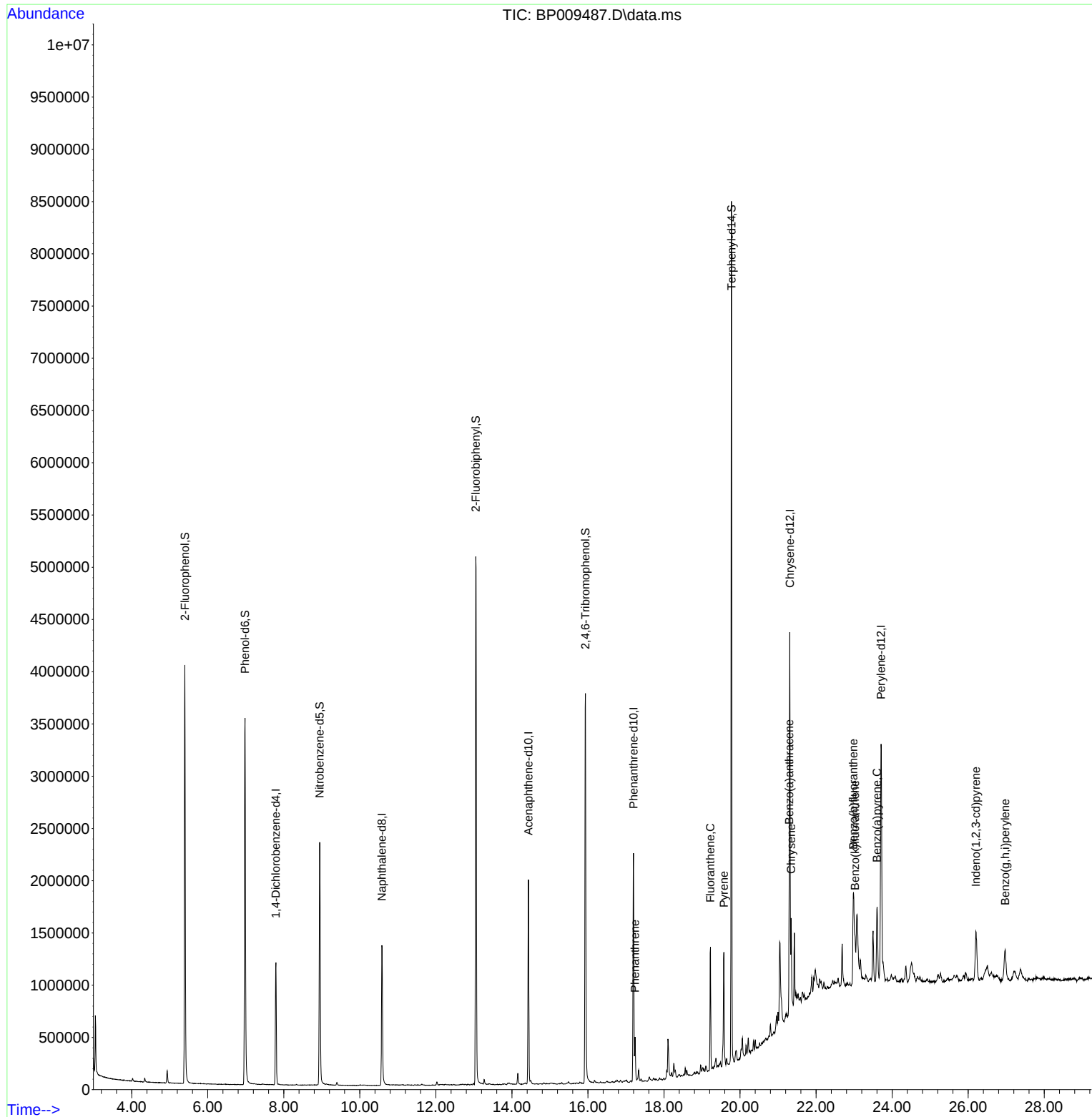
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Data File : BP009487.D
Acq On : 22 Mar 2022 14:40
Operator : CG/JU
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ALS Vial : 8 Sample Multiplier: 1

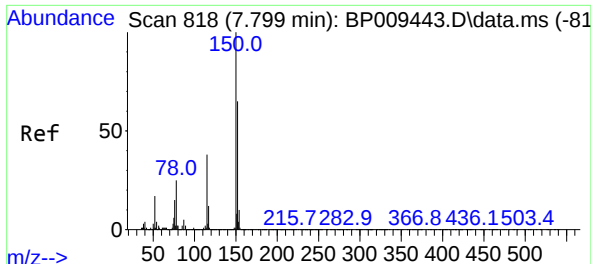
Instrument :
BNA_P
ClientSampleId :
SB-07-COMP

Quant Time: Mar 23 01:21:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :

BNA_P

ClientSampleId :

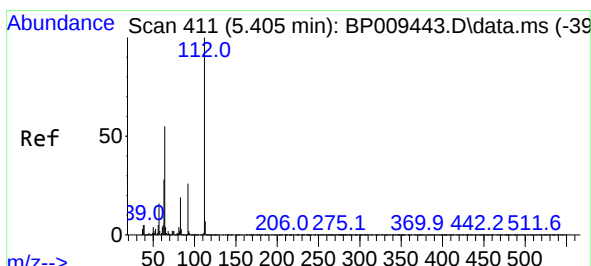
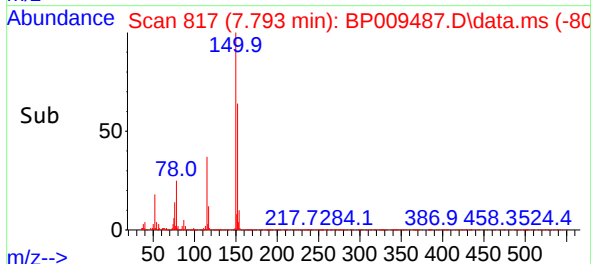
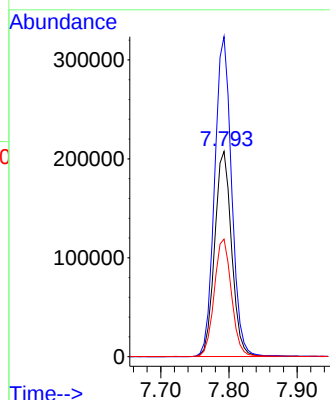
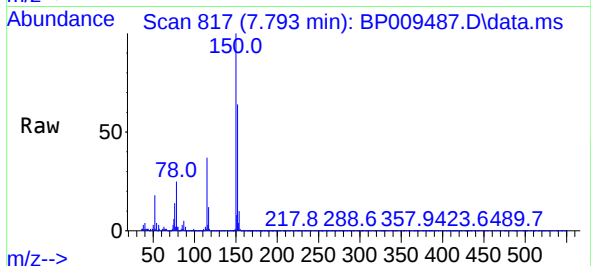
SB-07-COMP

Tgt Ion:152 Resp: 35881
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 57.3 48.2 72.4

Manual Integrations

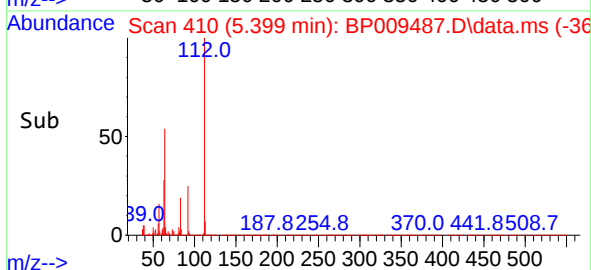
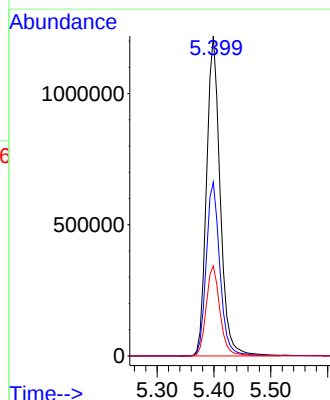
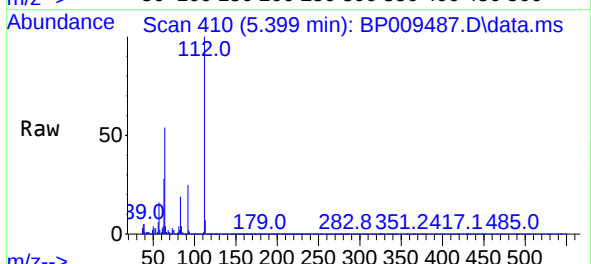
APPROVED

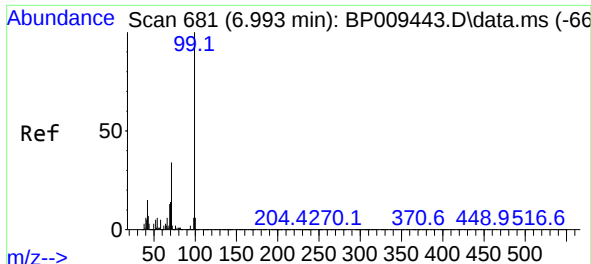
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#5
2-Fluorophenol
Concen: 98.510 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.006 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

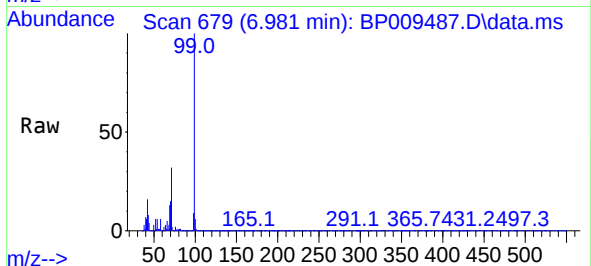
Tgt Ion:112 Resp: 2024534
Ion Ratio Lower Upper
112 100
64 54.4 45.0 67.4
63 28.1 23.0 34.6





#7
Phenol-d6
Concen: 89.384 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

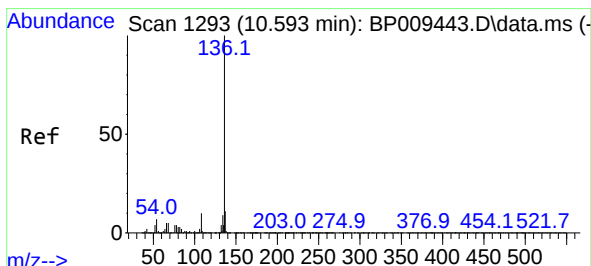
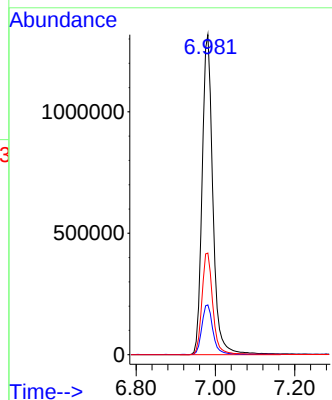
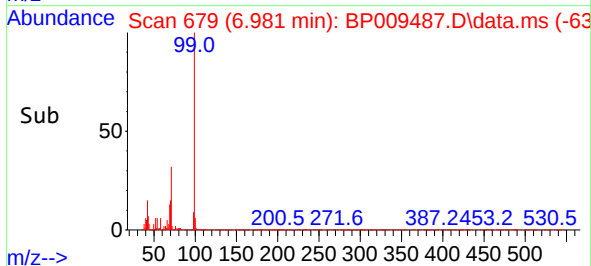
Instrument :
BNA_P
ClientSampleId :
SB-07-COMP



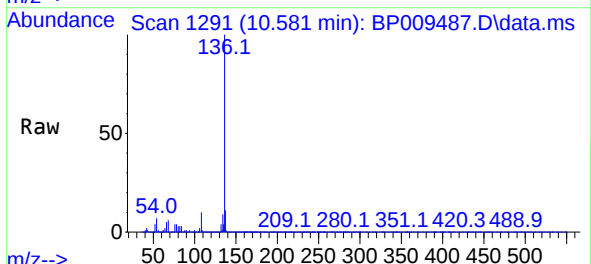
Tgt Ion: 99 Resp: 248423
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 31.8 26.3 39.5

Manual Integrations
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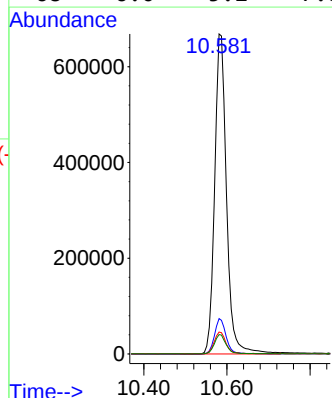
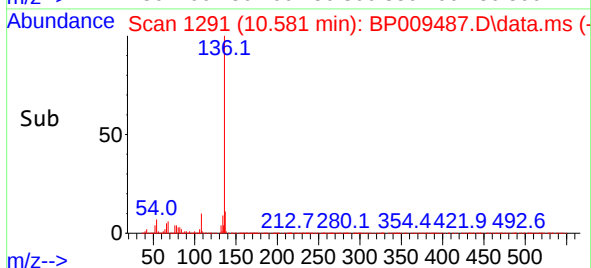
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

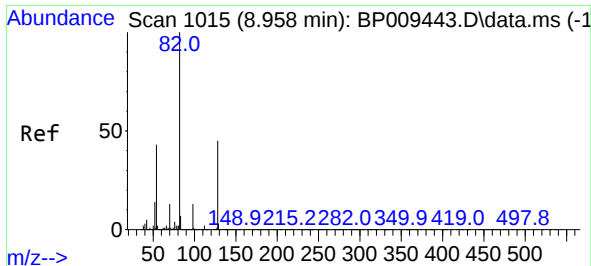


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40



Tgt Ion:136 Resp: 1320677
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.9 5.8 8.8
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 62.957 ng
RT: 8.946 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :

BNA_P

ClientSampleId :

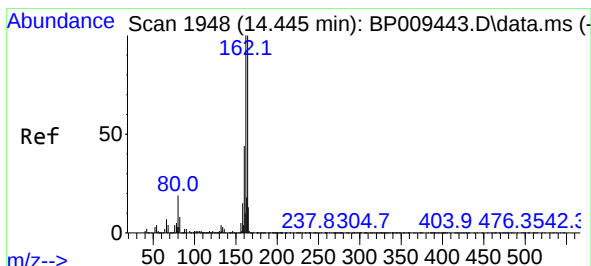
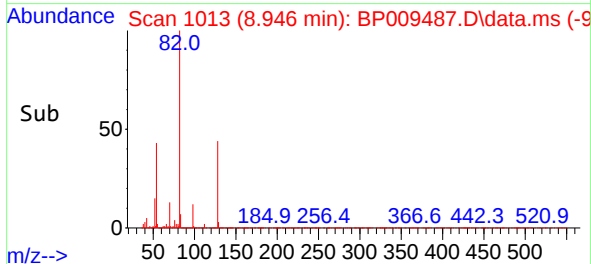
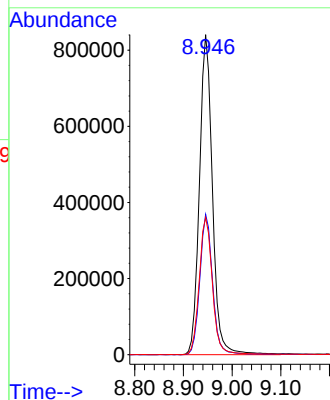
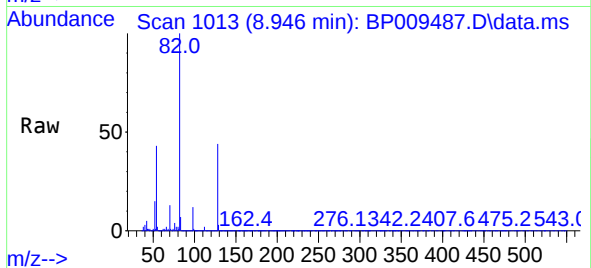
SB-07-COMP

Tgt Ion: 82 Resp: 156464
Ion Ratio Lower Upper
82 100
128 43.9 34.2 51.4
54 42.9 34.7 52.1

Manual Integrations

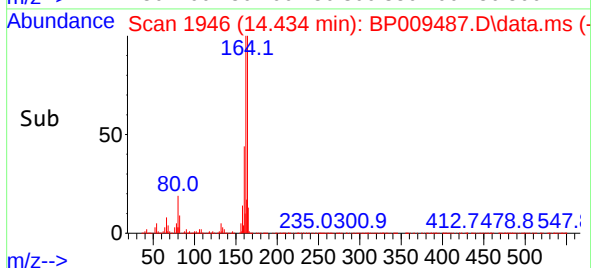
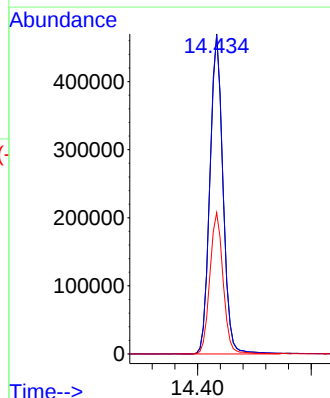
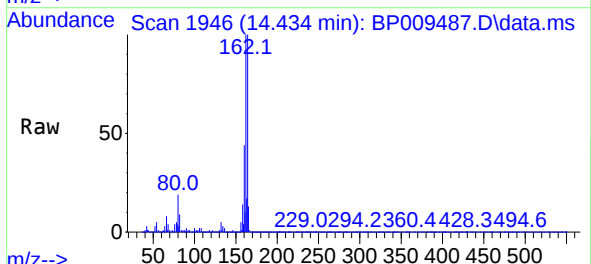
APPROVED

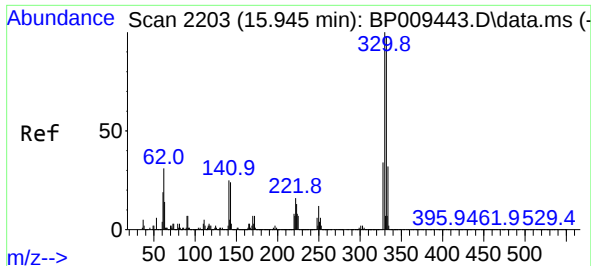
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Tgt Ion:164 Resp: 744287
Ion Ratio Lower Upper
164 100
162 99.7 79.1 118.7
160 44.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 70.464 ng
RT: 15.934 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :

BNA_P

ClientSampleId :

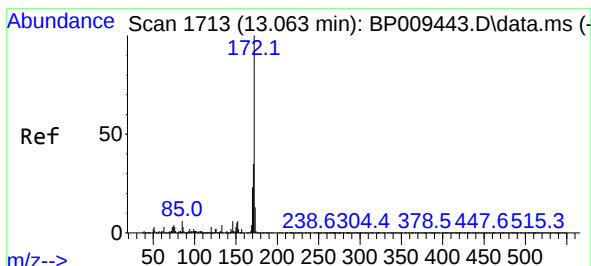
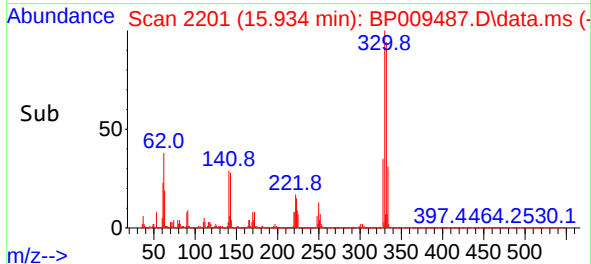
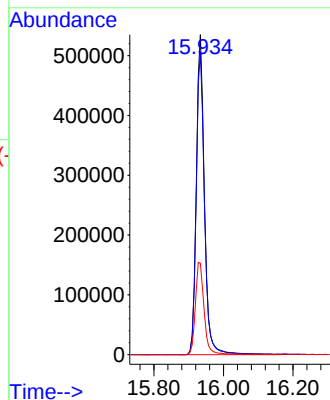
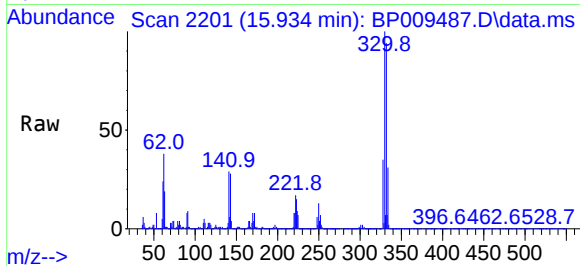
SB-07-COMP

Tgt Ion:330 Resp: 865430
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 30.6 27.6 41.4

Manual Integrations

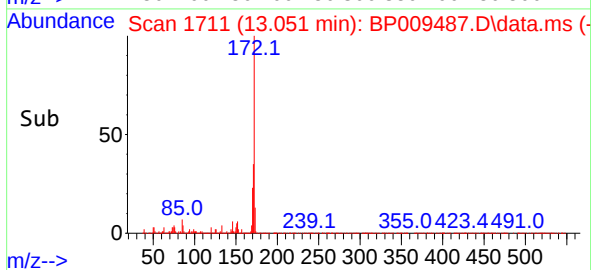
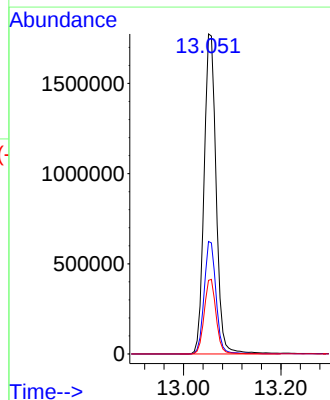
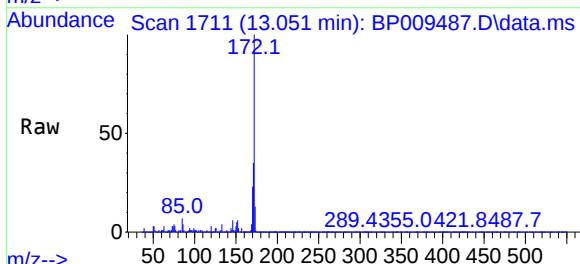
APPROVED

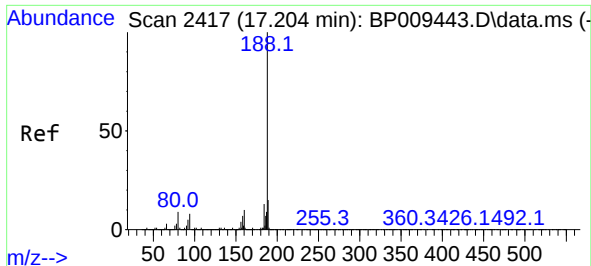
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#45
2-Fluorobiphenyl
Concen: 56.763 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Tgt Ion:172 Resp: 3047553
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.0 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :

BNA_P

ClientSampleId :

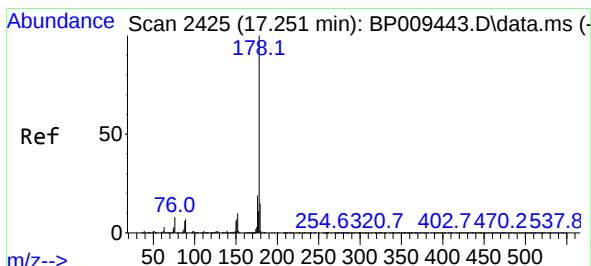
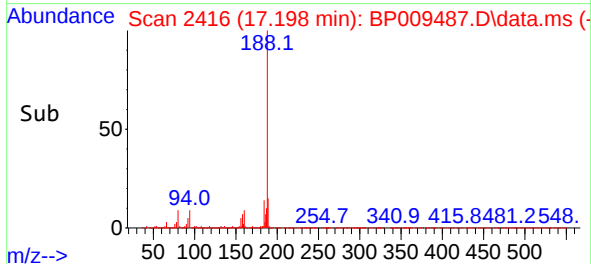
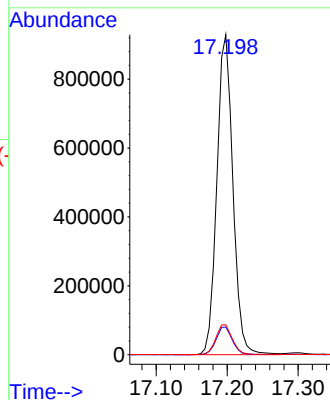
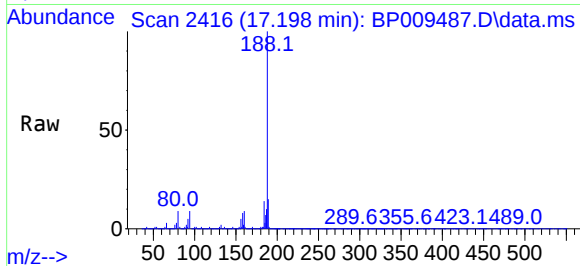
SB-07-COMP

Tgt Ion:188 Resp: 145138
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.4 8.8 13.2

Manual Integrations

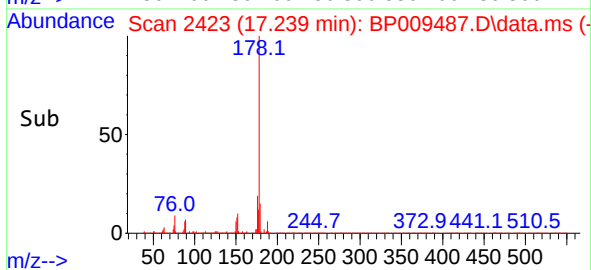
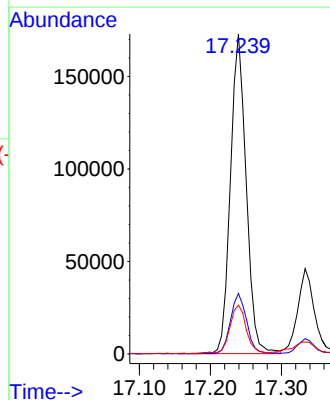
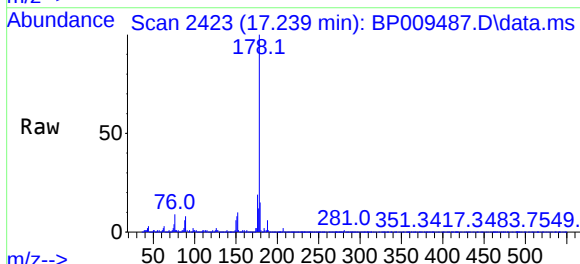
APPROVED

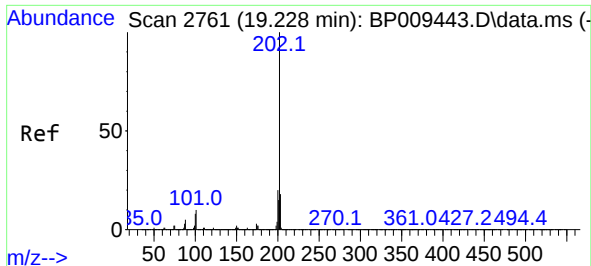
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#71
Phenanthrene
Concen: 3.429 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Tgt Ion:178 Resp: 266447
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.3 12.3 18.5





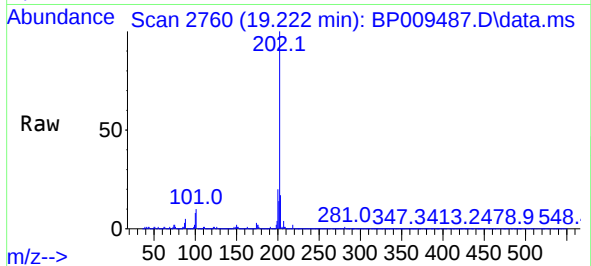
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Fluoranthene
Concen: 7.904 ng
RT: 19.222 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :

BNA_P

ClientSampleId :

SB-07-COMP

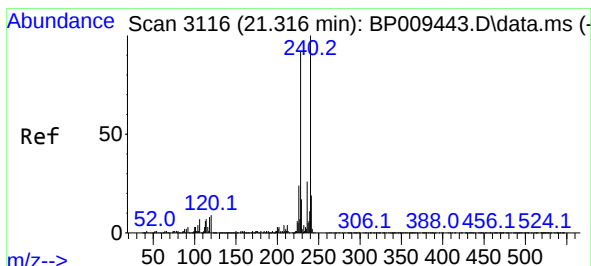
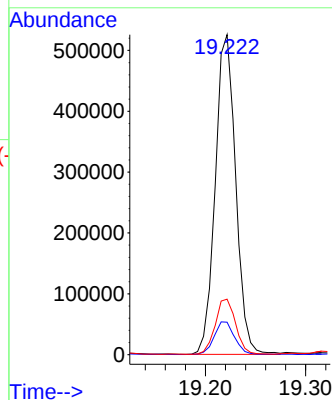
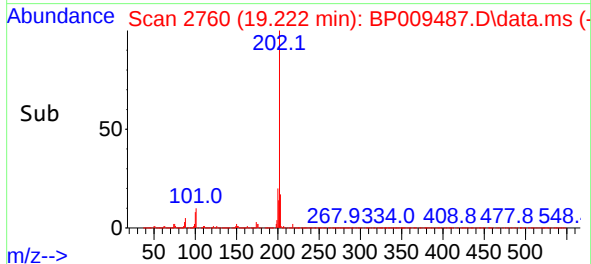


Tgt Ion:202 Resp: 743435
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.5
203 17.4 0.0 37.8

Manual Integrations

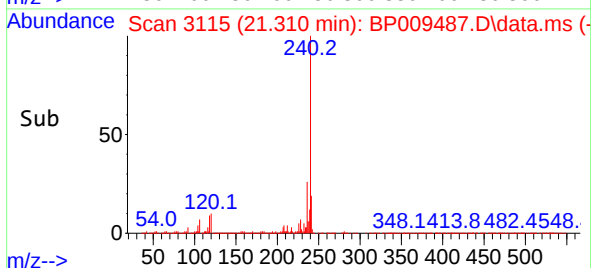
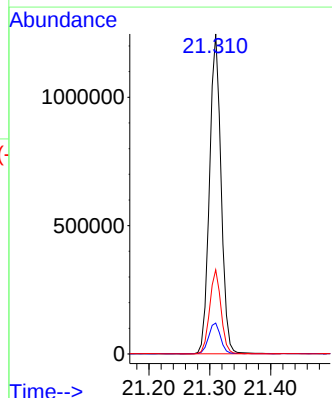
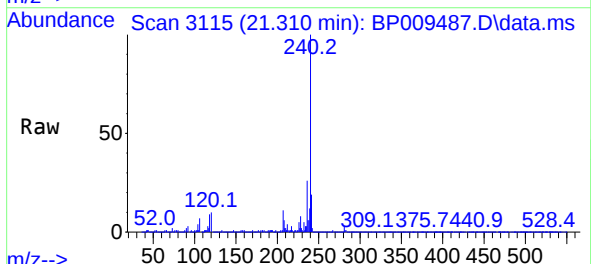
APPROVED

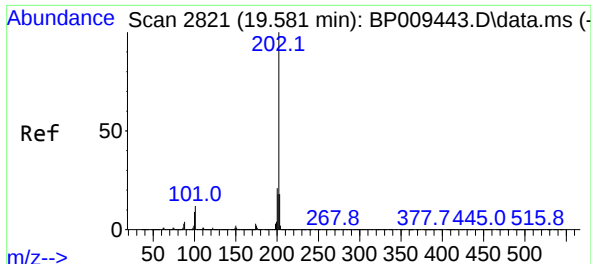
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Tgt Ion:240 Resp: 1643156
Ion Ratio Lower Upper
240 100
120 9.7 9.0 13.4
236 26.3 20.6 30.8





#78
Pyrene
Concen: 6.630 ng
RT: 19.575 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :

BNA_P

ClientSampleId :

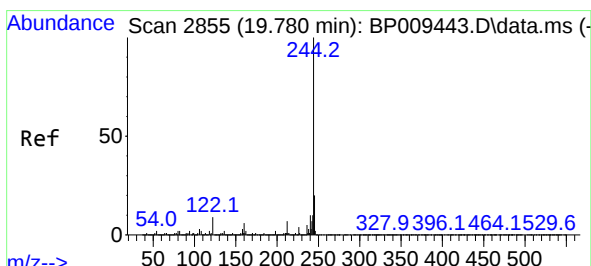
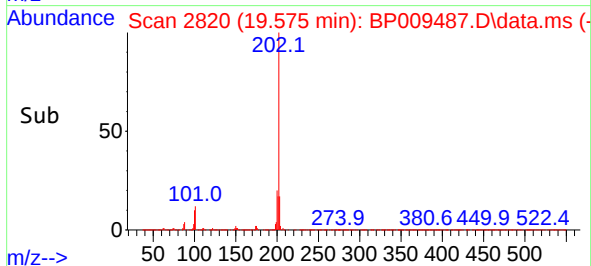
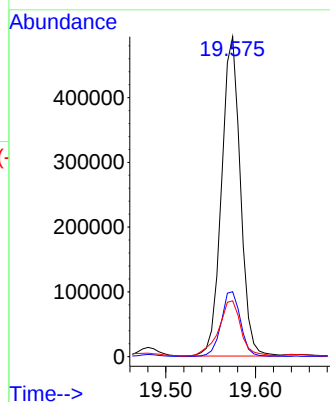
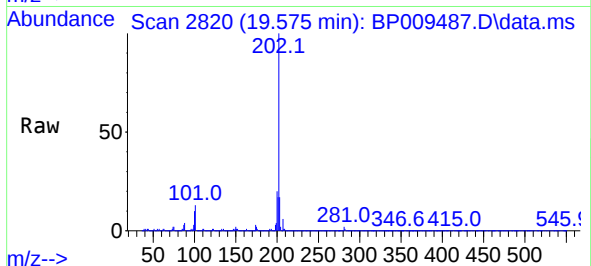
SB-07-COMP

Tgt Ion:202 Resp: 717829
Ion Ratio Lower Upper
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203 17.5 14.2 21.4

Manual Integrations

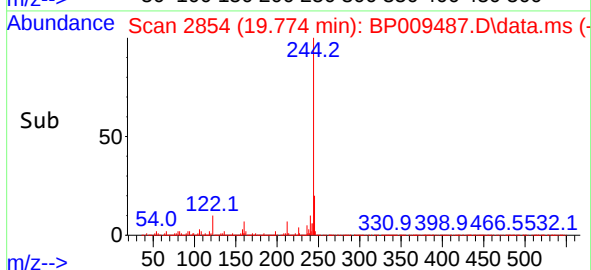
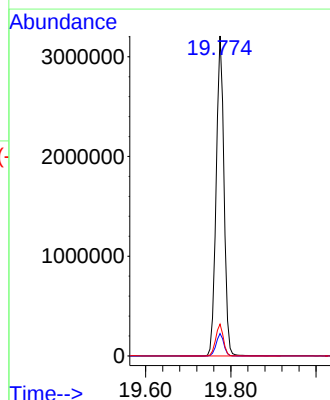
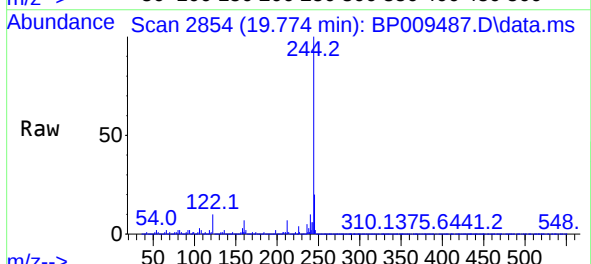
APPROVED

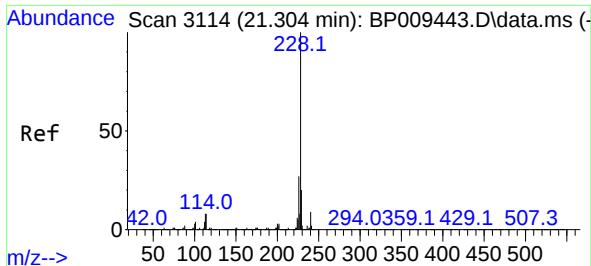
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#79
Terphenyl-d14
Concen: 44.533 ng
RT: 19.774 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

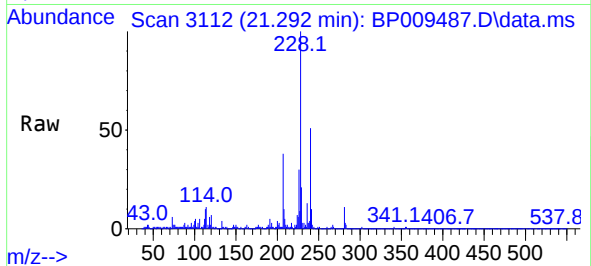
Tgt Ion:244 Resp: 4076809
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 9.9 8.3 12.5





#81
Benzo(a)anthracene
Concen: 4.622 ng
RT: 21.292 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

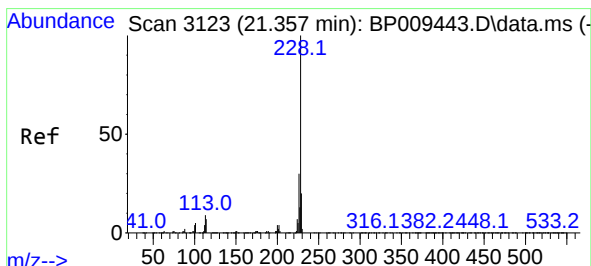
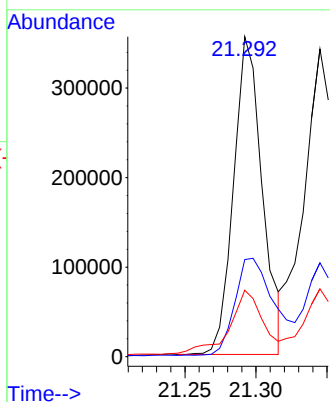
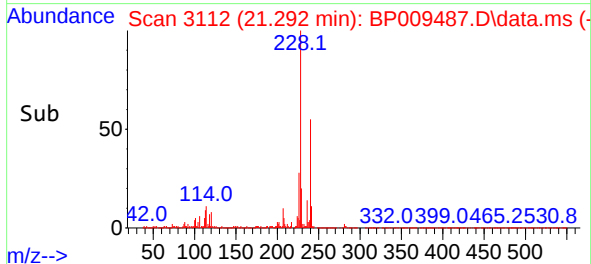
Instrument :
BNA_P
ClientSampleId :
SB-07-COMP



Tgt Ion:228 Resp: 498968
Ion Ratio Lower Upper
228 100
226 30.4 22.0 33.0
229 20.7 16.1 24.1

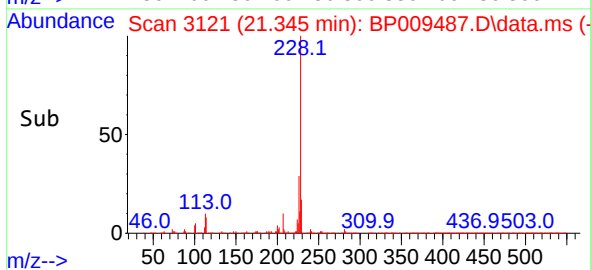
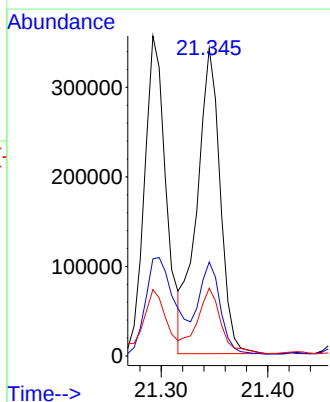
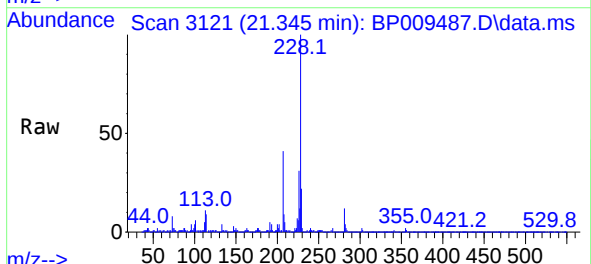
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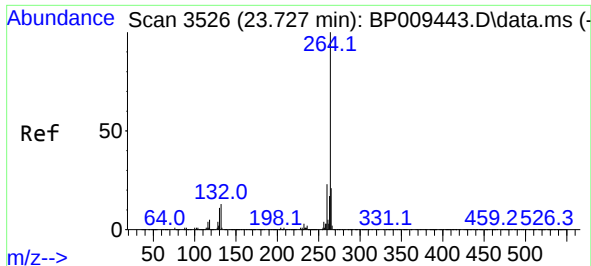
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#83
Chrysene
Concen: 5.091 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

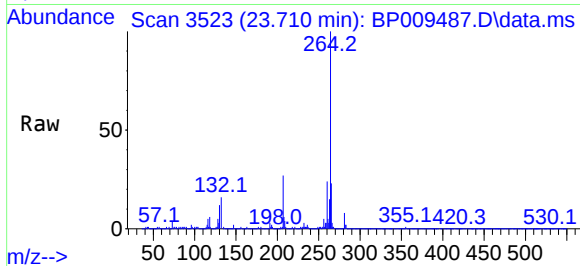
Tgt Ion:228 Resp: 520410
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 22.0 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

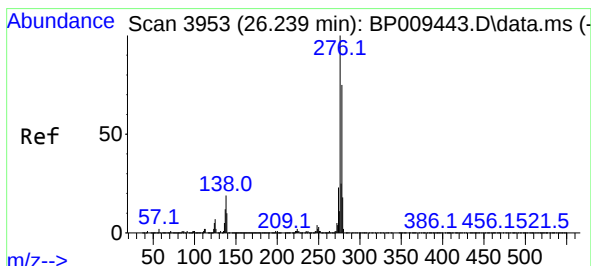
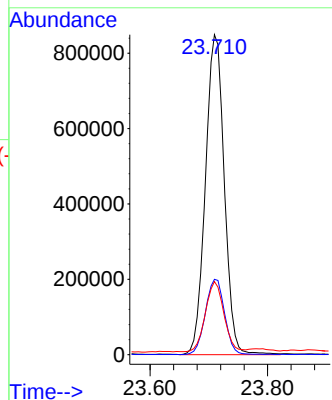
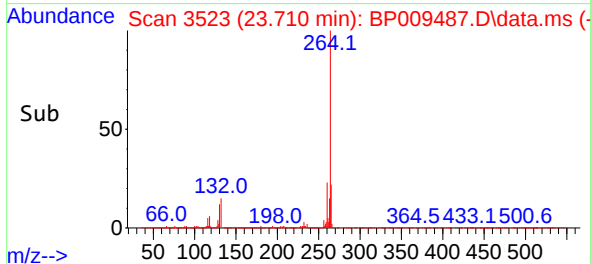
Instrument :
BNA_P
ClientSampleId :
SB-07-COMP



Tgt Ion:264 Resp: 1895549
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.0
265 22.9 17.2 25.8

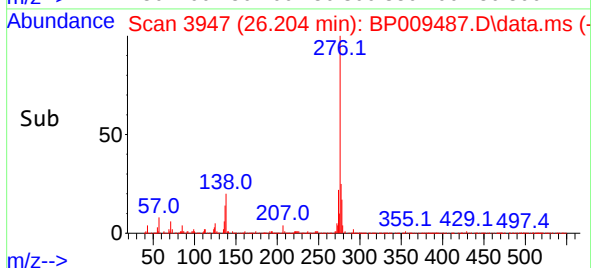
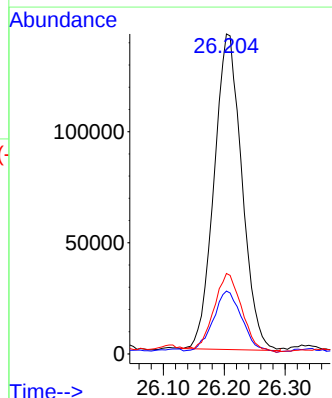
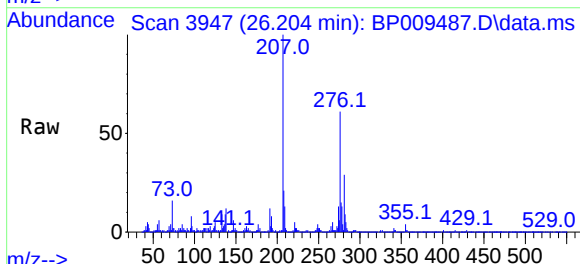
Manual Integrations
APPROVED

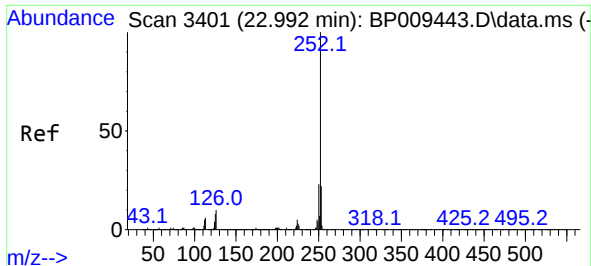
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.116 ng
RT: 26.204 min Scan# 3947
Delta R.T. -0.035 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Tgt Ion:276 Resp: 448163
Ion Ratio Lower Upper
276 100
138 20.4 20.5 30.7#
277 25.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 7.620 ng m
RT: 22.980 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :

BNA_P

ClientSampleId :

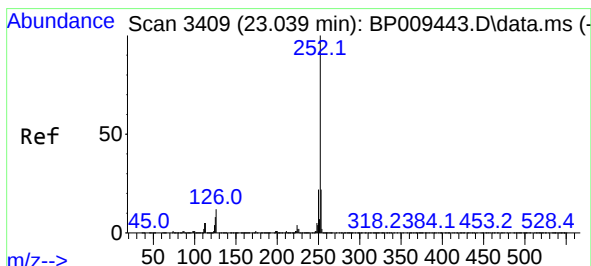
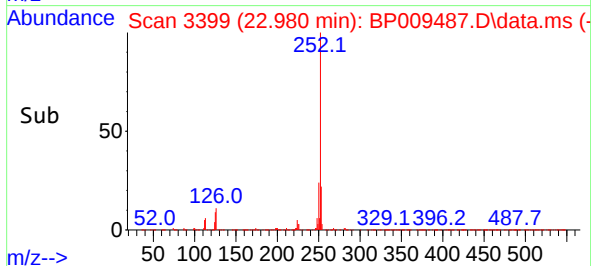
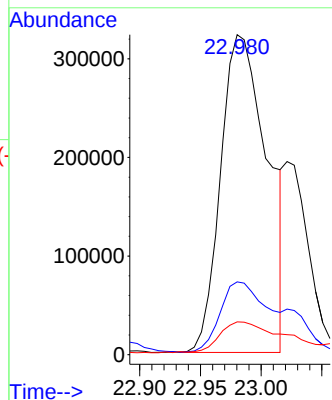
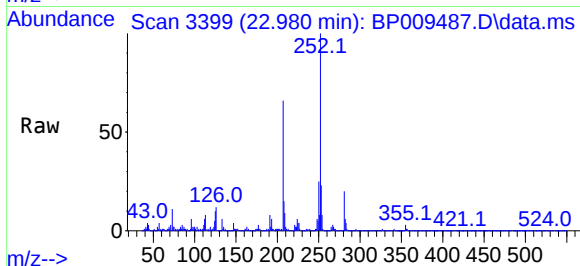
SB-07-COMP

Tgt Ion:252 Resp: 862220
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.3 8.1 12.1

Manual Integrations

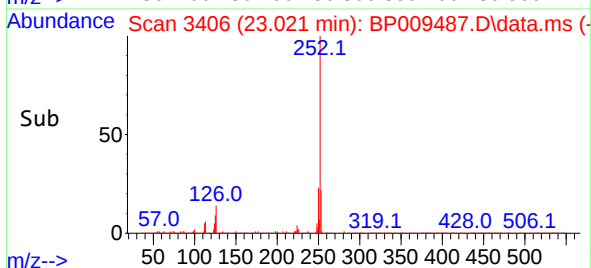
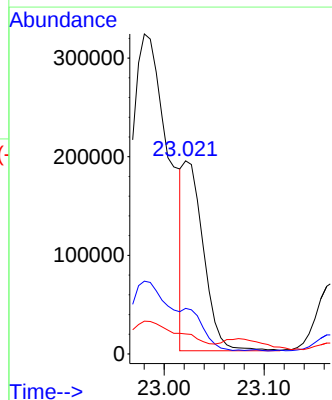
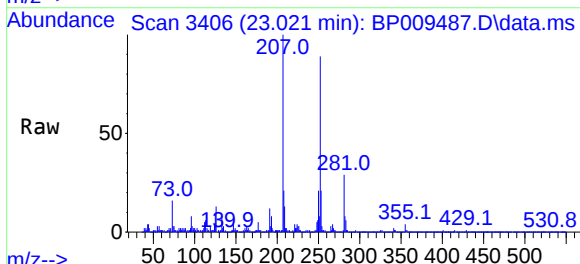
APPROVED

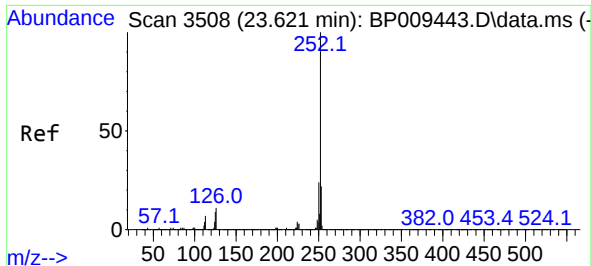
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#89
Benzo(k)fluoranthene
Concen: 2.437 ng m
RT: 23.021 min Scan# 3406
Delta R.T. -0.018 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Tgt Ion:252 Resp: 269990
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 10.3 8.3 12.5





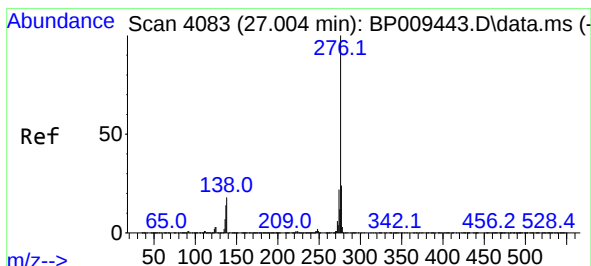
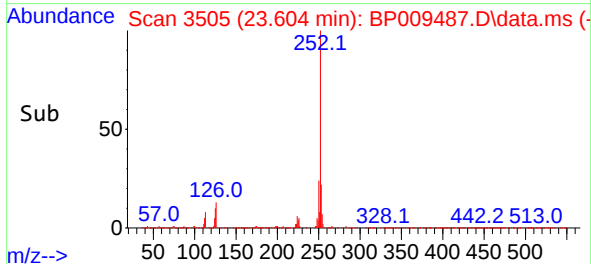
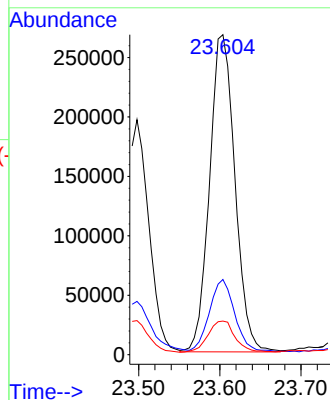
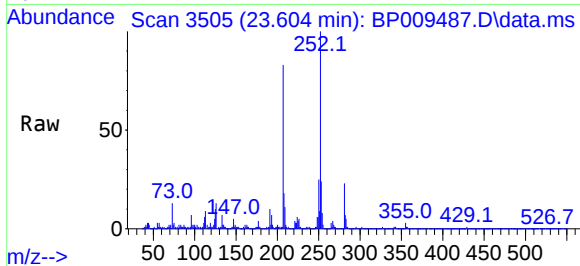
#90
Benzo(a)pyrene
Concen: 6.005 ng
RT: 23.604 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Instrument :
BNA_P
ClientSampleId :
SB-07-COMP

Tgt Ion:252 Resp: 581360
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 10.5 9.3 13.9

Manual Integrations
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Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#92
Benzo(g,h,i)perylene
Concen: 3.720 ng
RT: 26.974 min Scan# 4078
Delta R.T. -0.030 min
Lab File: BP009487.D
Acq: 22 Mar 2022 14:40

Tgt Ion:276 Resp: 438645
Ion Ratio Lower Upper
276 100
277 25.7 19.2 28.8
138 19.5 18.0 27.0

