

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
 Data File : BP009496.D
 Acq On : 22 Mar 2022 19:45
 Operator : CG/JU
 Sample : N2039-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-03-031822

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 01:22:42 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	440102	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1570156	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	826013	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	1646791	20.000	ng	0.00
76) Chrysene-d12	21.316	240	1812578	20.000	ng	0.00
86) Perylene-d12	23.721	264	2016932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	3156252	125.212	ng	0.00
7) Phenol-d6	6.981	99	3785765	111.055	ng	-0.01
23) Nitrobenzene-d5	8.946	82	2369981	80.210	ng	-0.01
42) 2,4,6-Tribromophenol	15.934	330	1267638	92.999	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	4713958	79.114	ng	0.00
79) Terphenyl-d14	19.780	244	6958524	68.906	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.634	128	915676	11.322	ng	99
37) 2-Methylnaphthalene	12.251	142	199136	3.509	ng	99
52) Acenaphthene	14.498	154	711522	15.904	ng	99
55) Dibenzofuran	14.834	168	769342	10.236	ng	99
58) Fluorene	15.487	166	1002741	16.964	ng	99
71) Phenanthrene	17.245	178	7634239	86.602	ng	99
72) Anthracene	17.333	178	1963316	22.558	ng	99
73) Carbazole	17.610	167	1358464	15.960	ng	100
75) Fluoranthene	19.227	202	7942435	74.421	ng	99
78) Pyrene	19.580	202	6234219	52.195	ng	99
81) Benzo(a)anthracene	21.298	228	3097341	26.009	ng	98
83) Chrysene	21.351	228	2763841	24.510	ng	98
87) Indeno(1,2,3-cd)pyrene	26.227	276	1705044	11.143	ng	# 93
88) Benzo(b)fluoranthene	22.992	252	3653542m	30.344	ng	
89) Benzo(k)fluoranthene	23.033	252	1088614m	9.234	ng	
90) Benzo(a)pyrene	23.616	252	2557343	24.825	ng	97
91) Dibenzo(a,h)anthracene	26.239	278	468766	3.676	ng	# 87
92) Benzo(g,h,i)perylene	27.004	276	1689856	13.469	ng	95

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

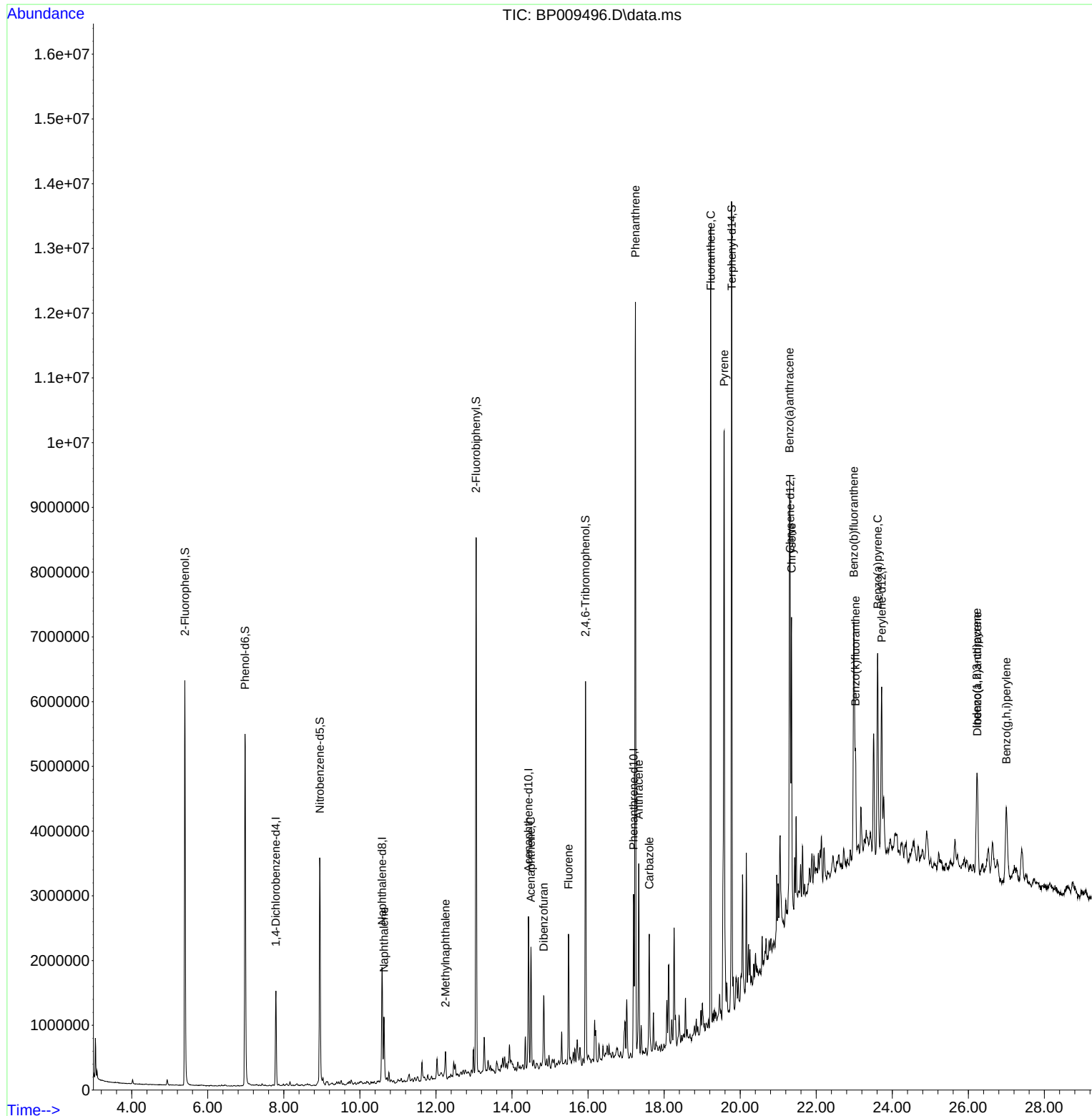
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032222\
Data File : BP009496.D
Acq On : 22 Mar 2022 19:45
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ALS Vial : 17 Sample Multiplier: 1

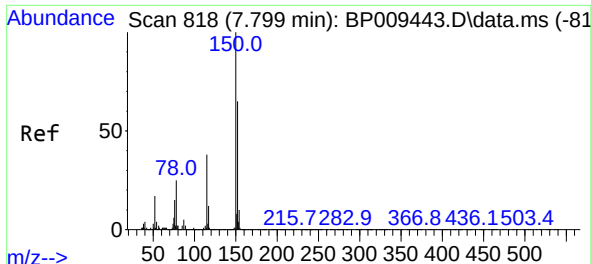
Instrument :
BNA_P
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OK-03-031822

Quant Time: Mar 23 01:22:42 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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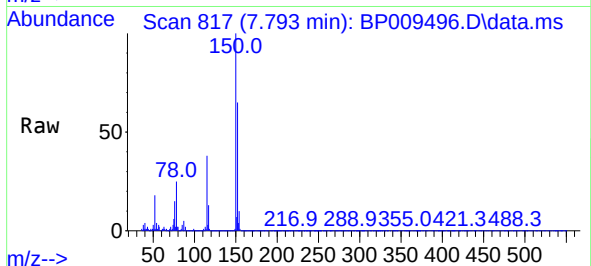
Reviewed By : Christian Giraldo 03/23/2022
Supervised By : Jagrut Upadhyay 03/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

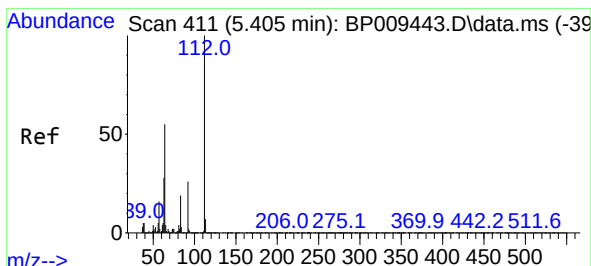
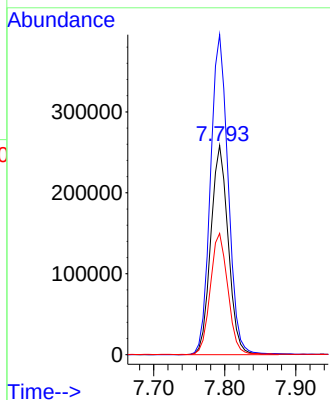
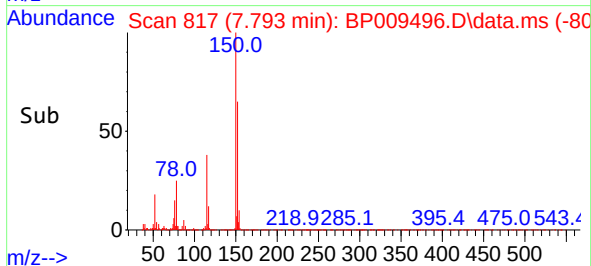
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:152 Resp: 44010
Ion Ratio Lower Upper
152 100
150 153.0 124.5 186.7
115 58.0 48.2 72.4

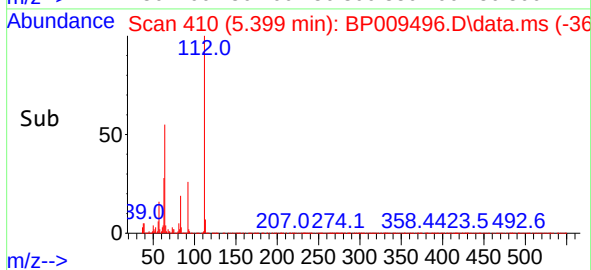
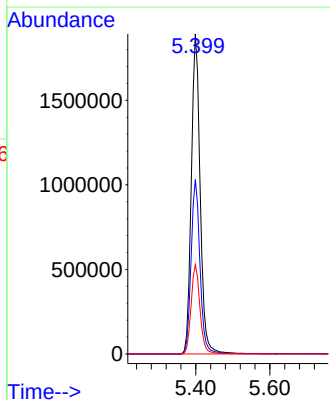
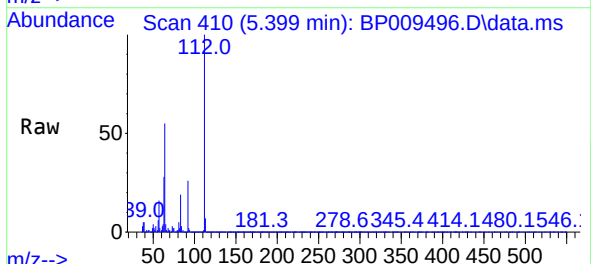
Manual Integrations
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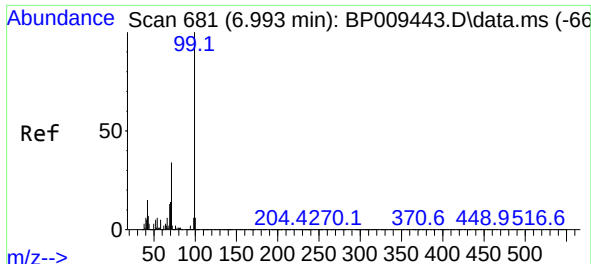
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#5
2-Fluorophenol
Concen: 125.212 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Tgt Ion:112 Resp: 3156252
Ion Ratio Lower Upper
112 100
64 54.5 45.0 67.4
63 27.9 23.0 34.6





#7
Phenol-d6
Concen: 111.055 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

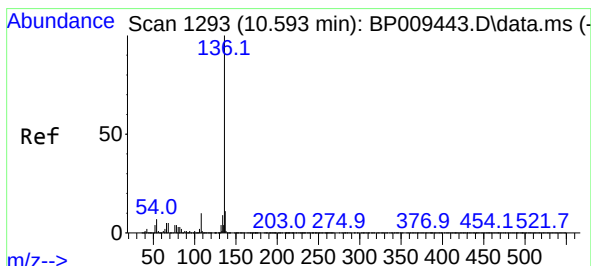
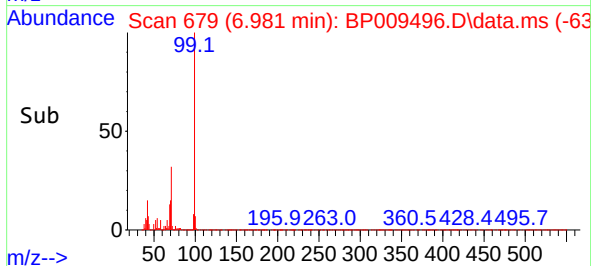
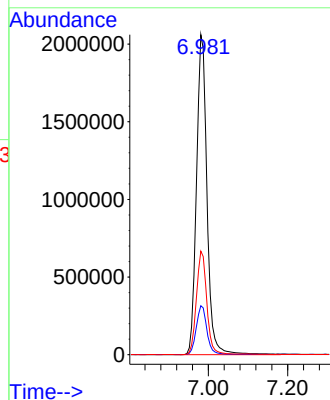
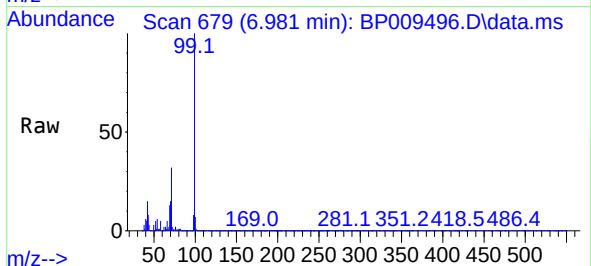
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Tgt Ion: 99 Resp: 378576
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 32.3 26.3 39.5

Manual Integrations

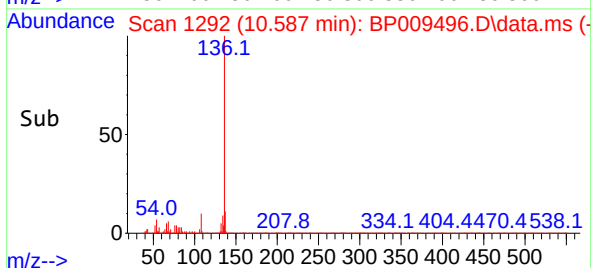
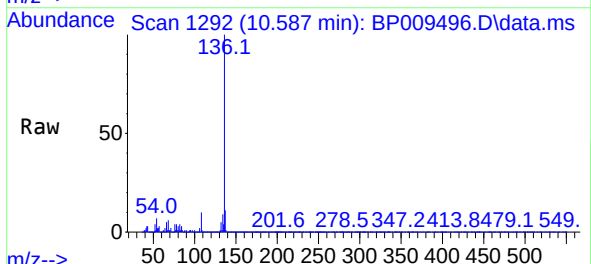
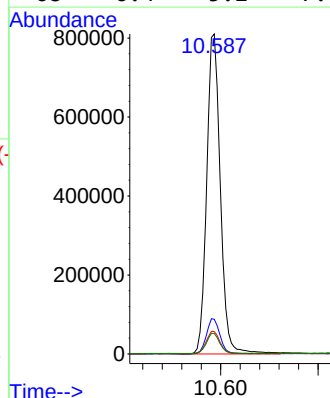
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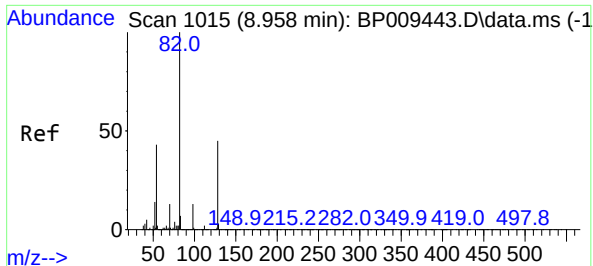
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Tgt Ion:136 Resp: 1570156
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.0 5.8 8.8
68 6.4 5.2 7.8





#23
Nitrobenzene-d5
Concen: 80.210 ng
RT: 8.946 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

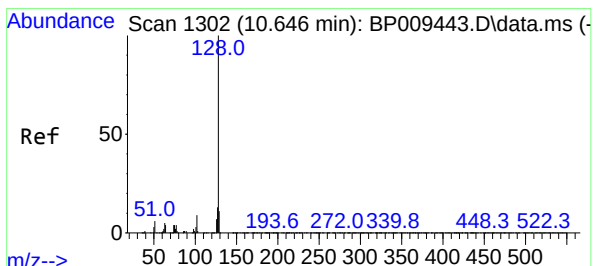
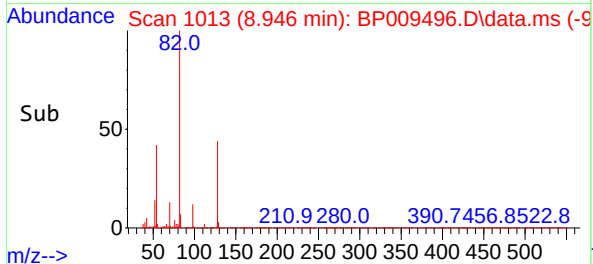
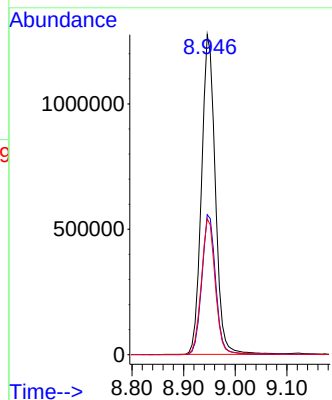
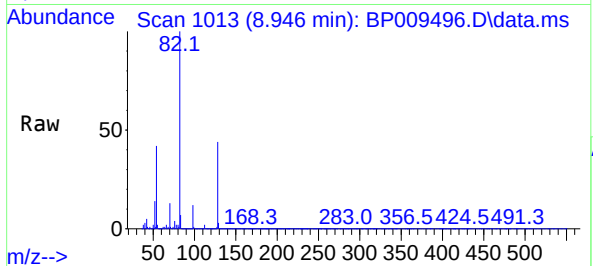
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Tgt Ion: 82 Resp: 236998
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 42.5 34.7 52.1

Manual Integrations

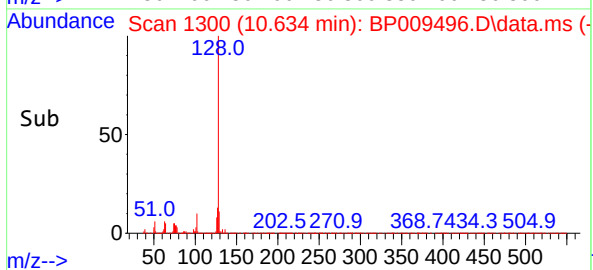
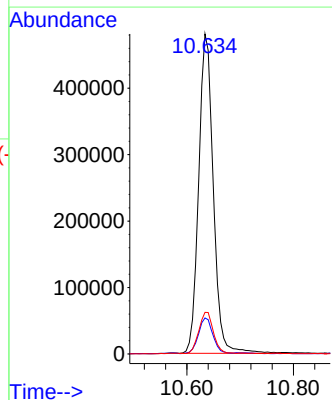
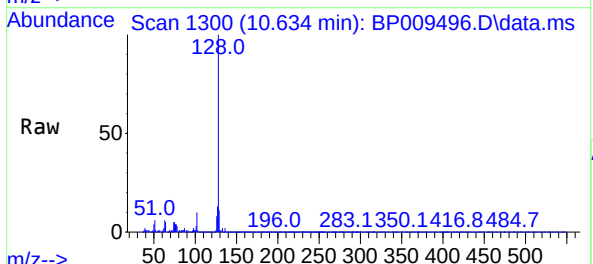
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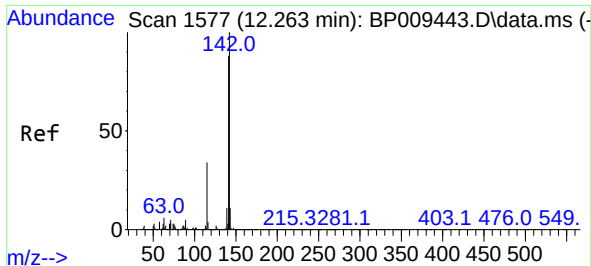
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#31
Naphthalene
Concen: 11.322 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Tgt Ion:128 Resp: 915676
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.0 10.5 15.7





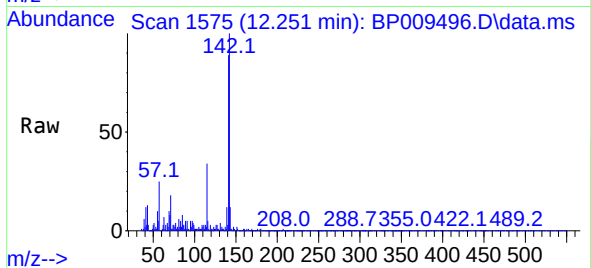
#37
2-Methylnaphthalene
Concen: 3.509 ng
RT: 12.251 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

OK-03-031822

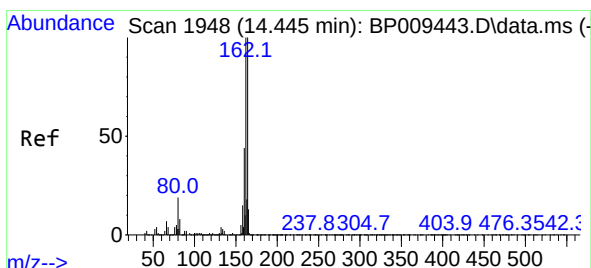
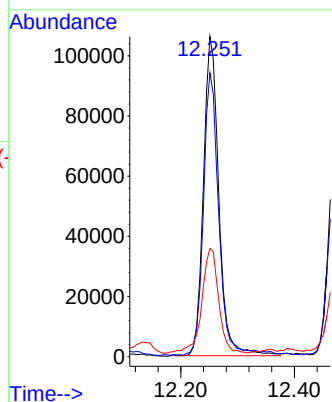
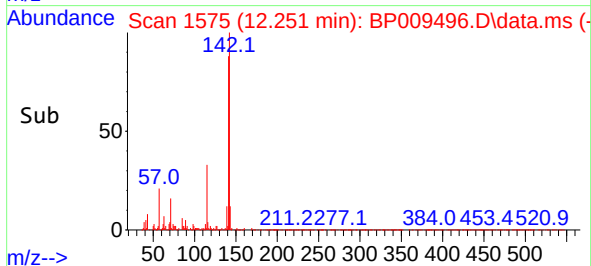


Tgt Ion:142 Resp: 199130
Ion Ratio Lower Upper
142 100
141 88.7 70.2 105.4
115 33.9 27.4 41.2

Manual Integrations

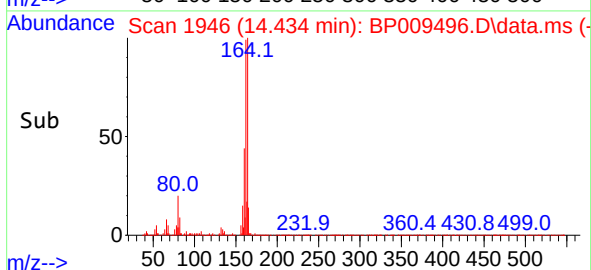
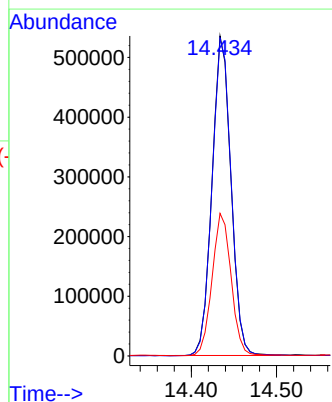
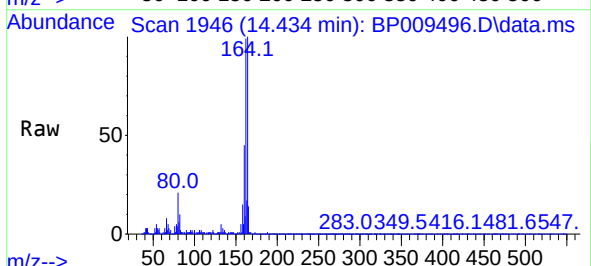
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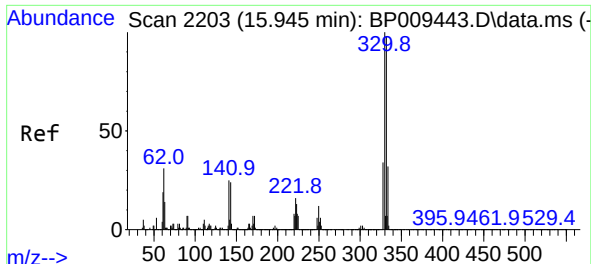
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Tgt Ion:164 Resp: 826013
Ion Ratio Lower Upper
164 100
162 99.3 79.1 118.7
160 44.5 34.9 52.3





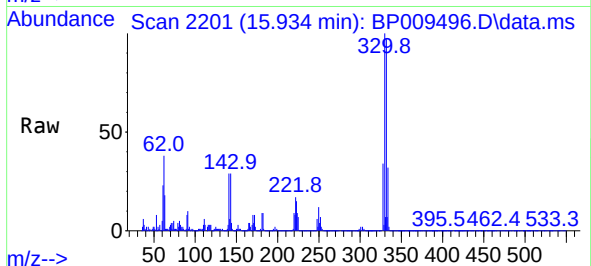
#42
2,4,6-Tribromophenol
Concen: 92.999 ng
RT: 15.934 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

OK-03-031822

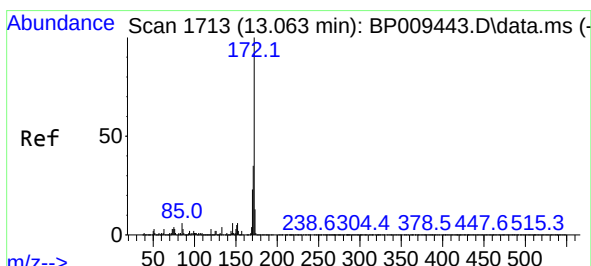
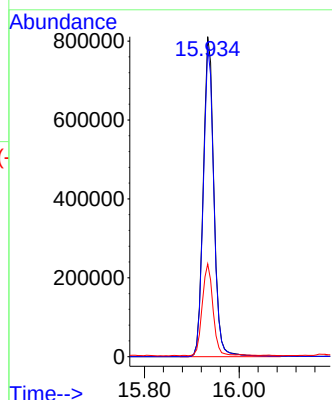
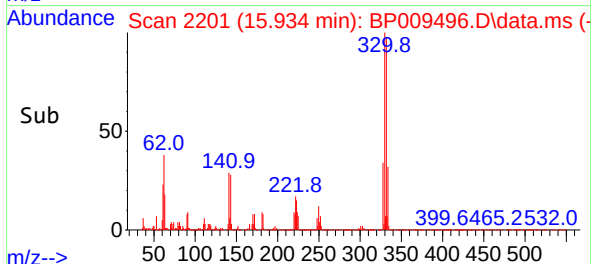


Tgt Ion:330 Resp: 1267638
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 28.7 27.6 41.4

Manual Integrations

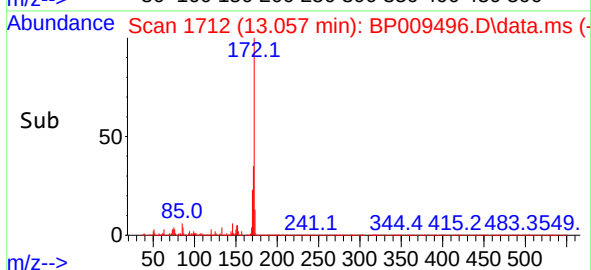
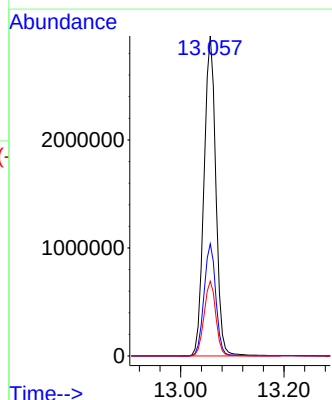
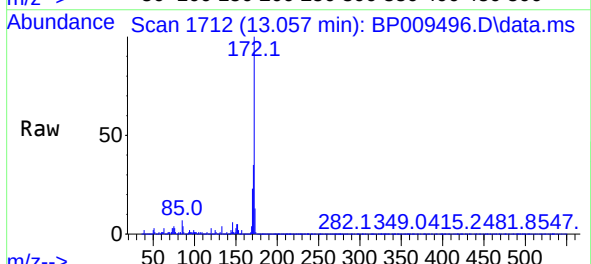
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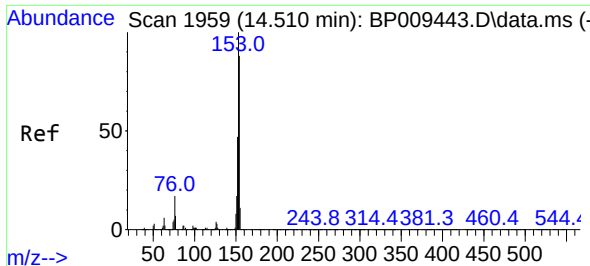
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#45
2-Fluorobiphenyl
Concen: 79.114 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

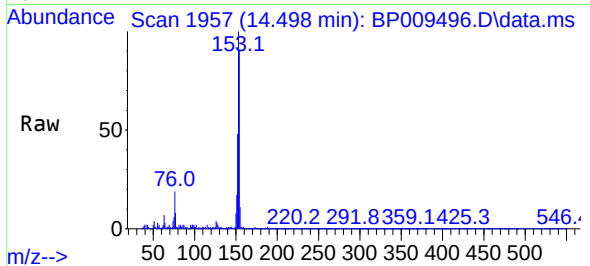
Tgt Ion:172 Resp: 4713958
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.4 18.6 27.8





#52
Acenaphthene
Concen: 15.904 ng
RT: 14.498 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

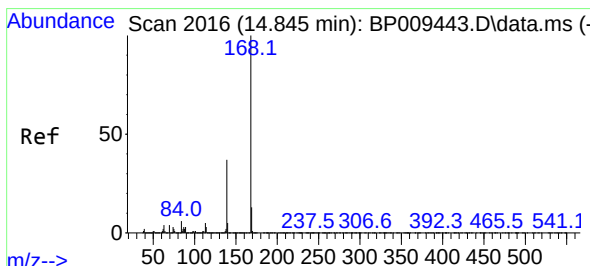
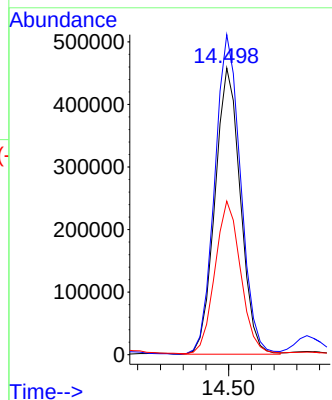
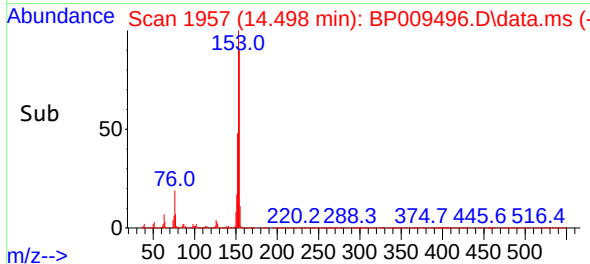
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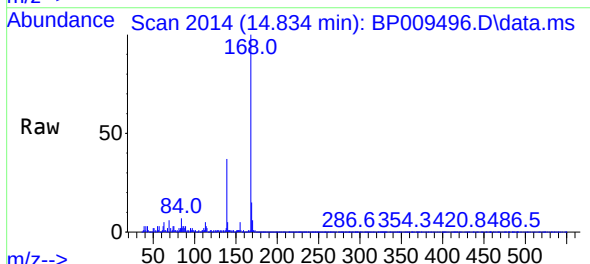
Tgt Ion:154 Resp: 71152
Ion Ratio Lower Upper
154 100
153 111.6 90.2 135.4
152 53.6 42.7 64.1

Manual Integrations
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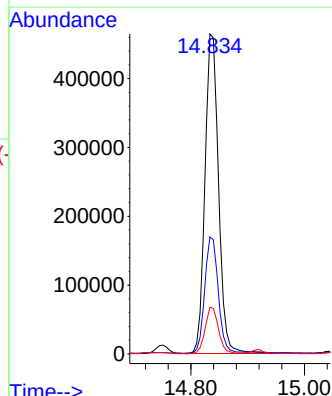
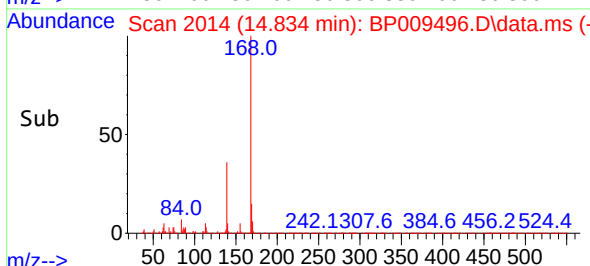
Reviewed By :Christian Giraldo 03/23/2022
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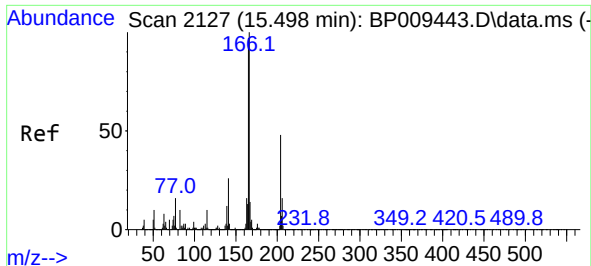


#55
Dibenzofuran
Concen: 10.236 ng
RT: 14.834 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45



Tgt Ion:168 Resp: 769342
Ion Ratio Lower Upper
168 100
139 36.5 29.1 43.7
169 14.6 10.6 16.0





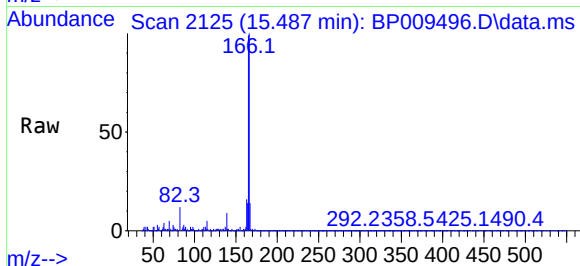
#58
Fluorene
Concen: 16.964 ng
RT: 15.487 min Scan# 2127
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

OK-03-031822

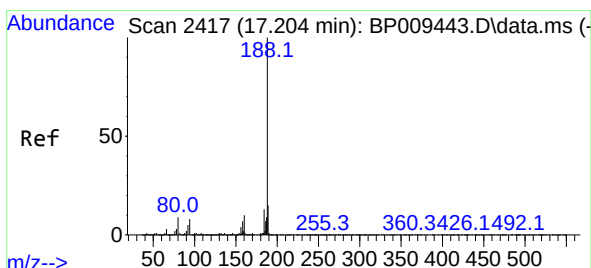
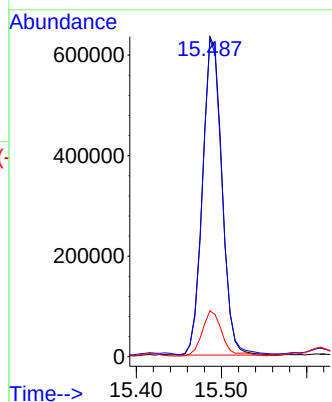
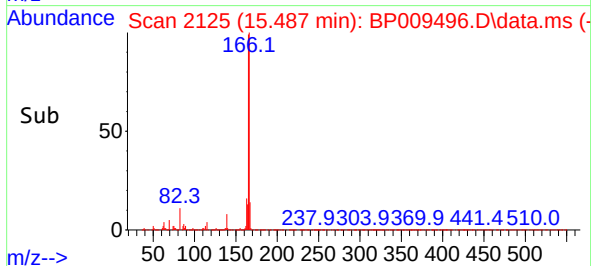


Tgt Ion:166 Resp: 100274
Ion Ratio Lower Upper
166 100
165 99.2 79.2 118.8
167 14.4 10.7 16.1

Manual Integrations

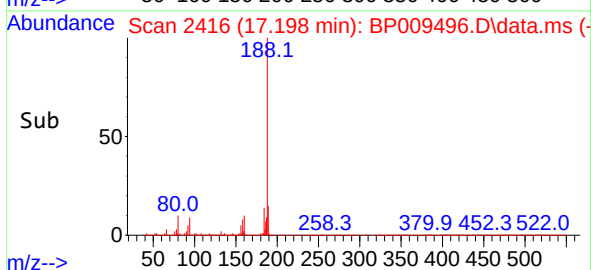
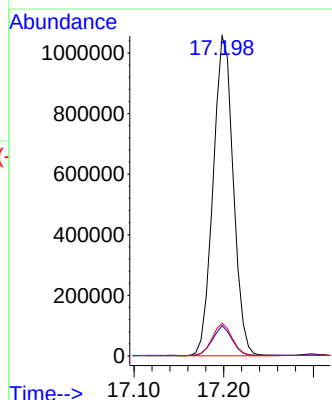
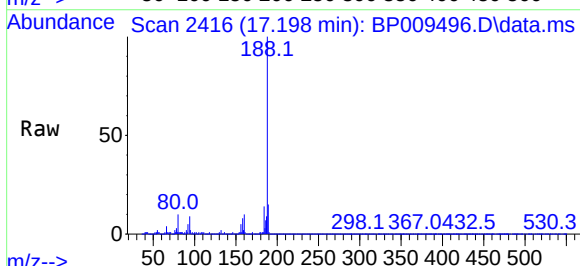
APPROVED

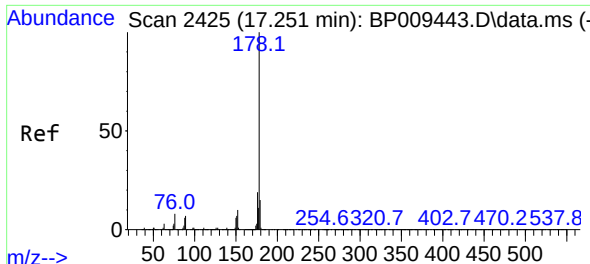
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Tgt Ion:188 Resp: 1646791
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.2 8.8 13.2





#71
Phenanthrene
Concen: 86.602 ng
RT: 17.245 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

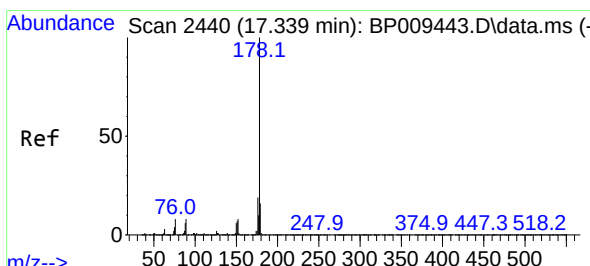
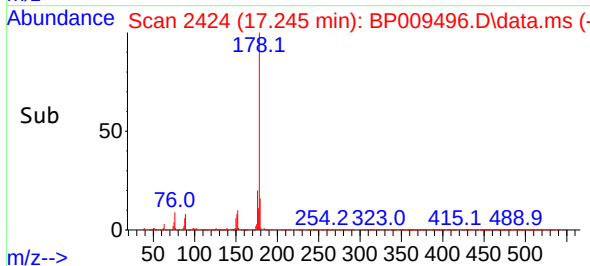
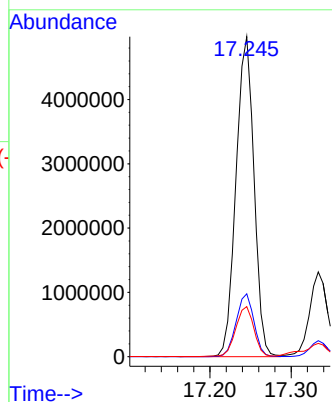
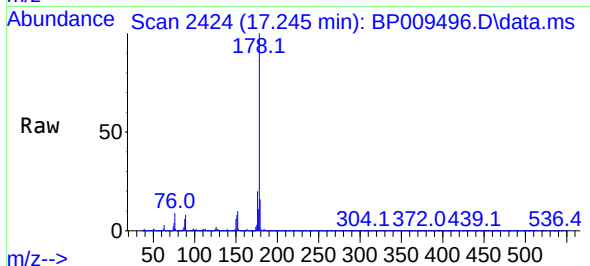
OK-03-031822

Tgt Ion:178 Resp: 7634239
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.7 12.3 18.5

Manual Integrations

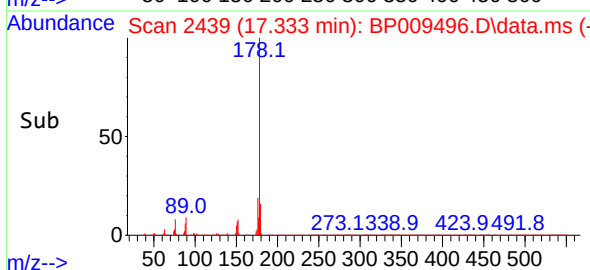
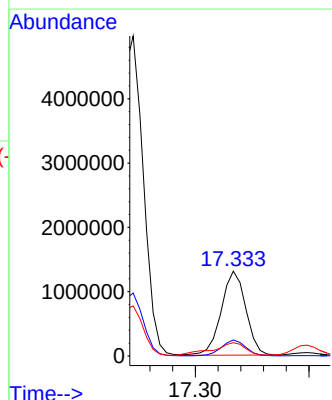
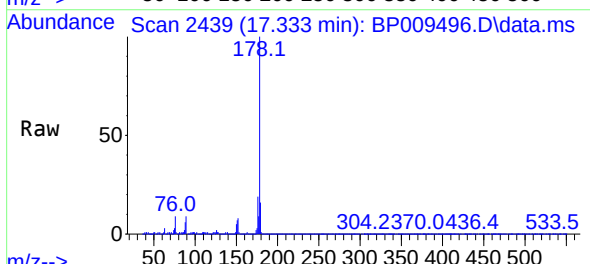
APPROVED

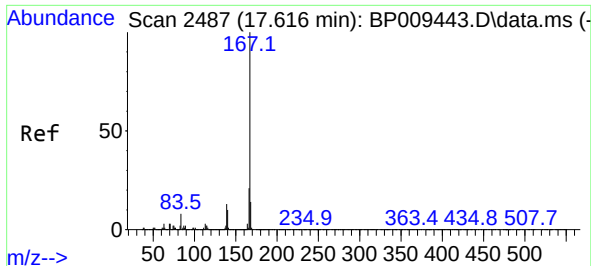
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#72
Anthracene
Concen: 22.558 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

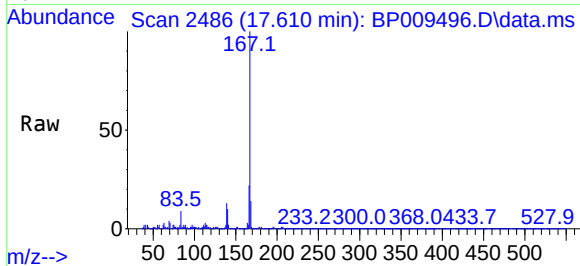
Tgt Ion:178 Resp: 1963316
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 15.960 ng
 RT: 17.610 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BP009496.D
 Acq: 22 Mar 2022 19:45

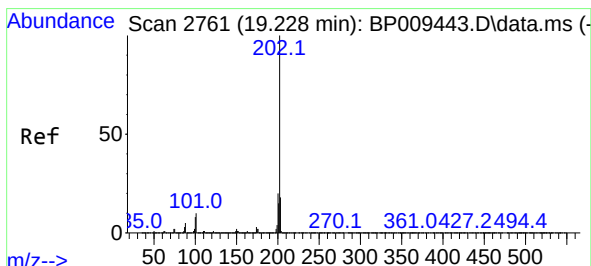
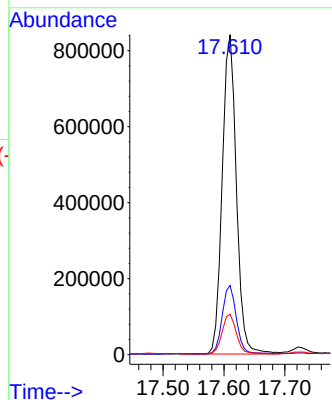
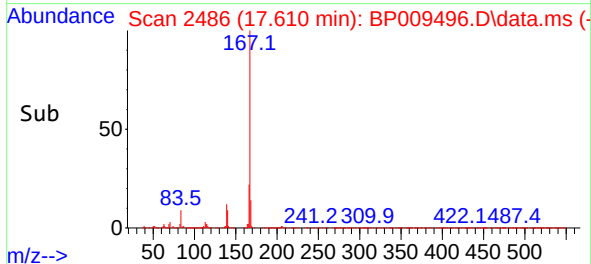
Instrument :
 BNA_P
 ClientSampleId :
 OK-03-031822



Tgt Ion:167 Resp: 1358464
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.2 25.8
 139 12.7 10.3 15.5

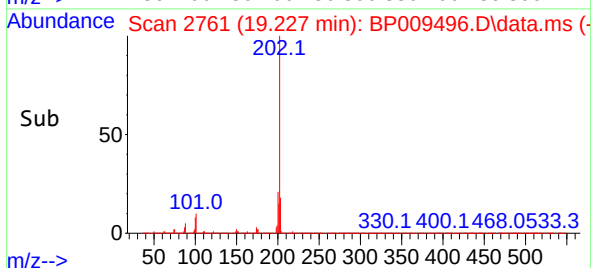
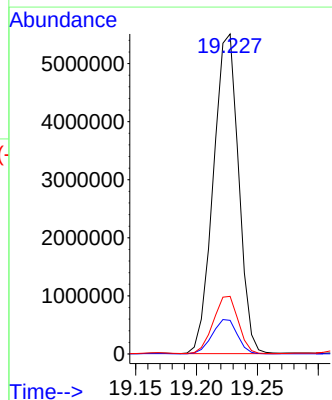
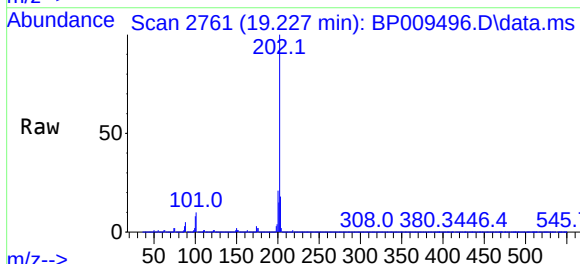
Manual Integrations
 APPROVED

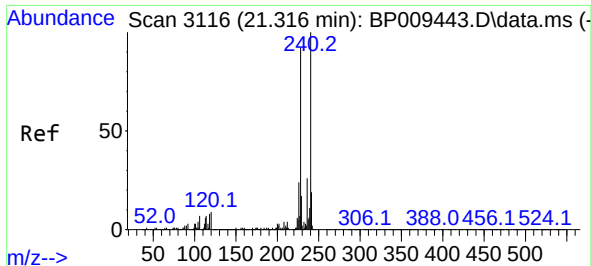
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022



#75
 Fluoranthene
 Concen: 74.421 ng
 RT: 19.227 min Scan# 2761
 Delta R.T. -0.000 min
 Lab File: BP009496.D
 Acq: 22 Mar 2022 19:45

Tgt Ion:202 Resp: 7942435
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.5
 203 18.0 0.0 37.8





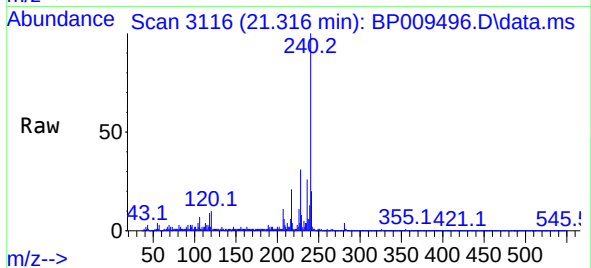
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

OK-03-031822

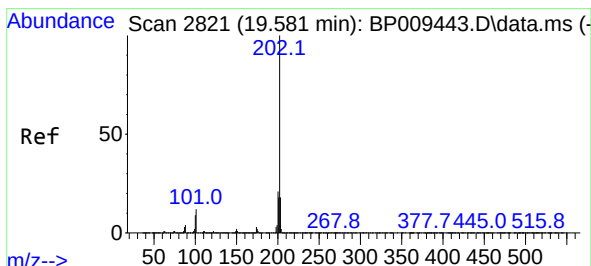
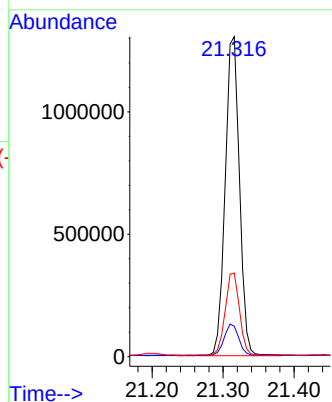
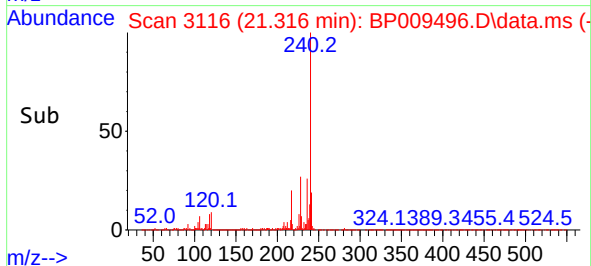


Tgt Ion:240 Resp: 1812578
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.4
236 26.1 20.6 30.8

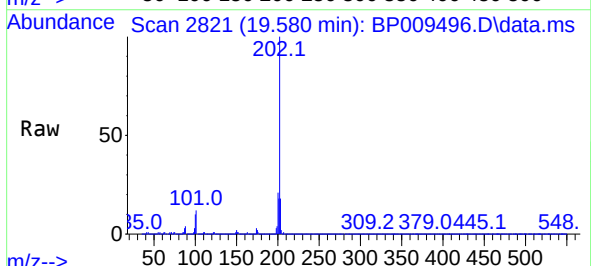
Manual Integrations

APPROVED

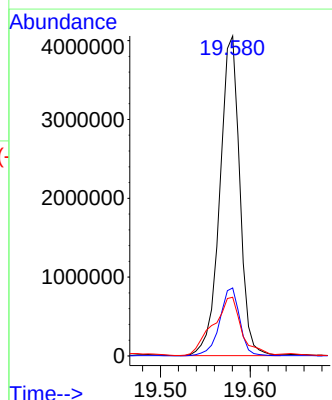
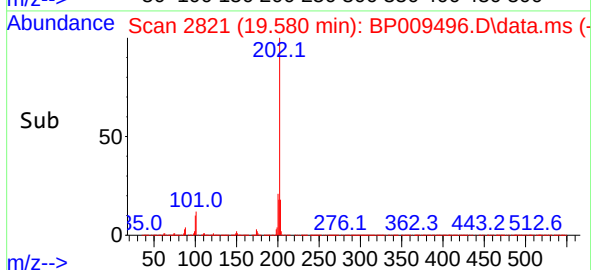
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

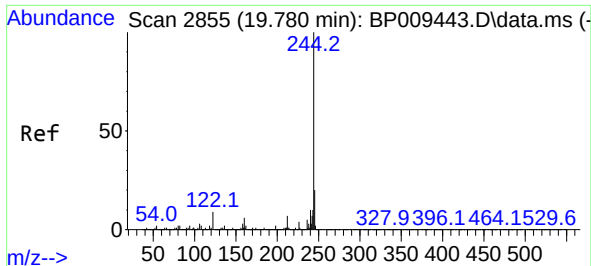


#78
Pyrene
Concen: 52.195 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45



Tgt Ion:202 Resp: 6234219
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 18.3 14.2 21.4





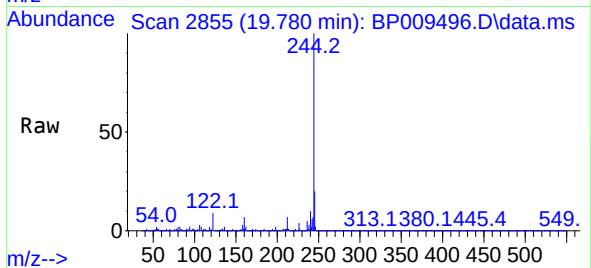
#79
 Terphenyl-d14
 Concen: 68.906 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP009496.D
 Acq: 22 Mar 2022 19:45

Instrument :

BNA_P

ClientSampleId :

OK-03-031822

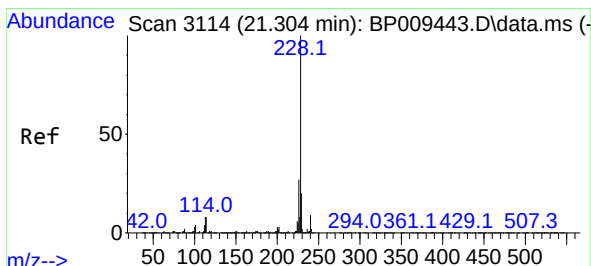
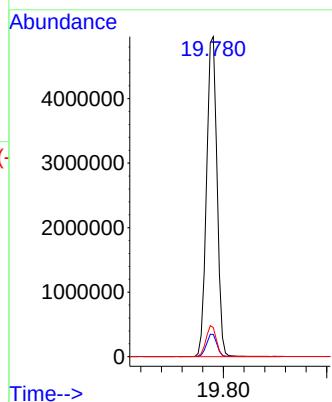


Tgt Ion:244 Resp: 6958524
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.1 8.3 12.5

Manual Integrations

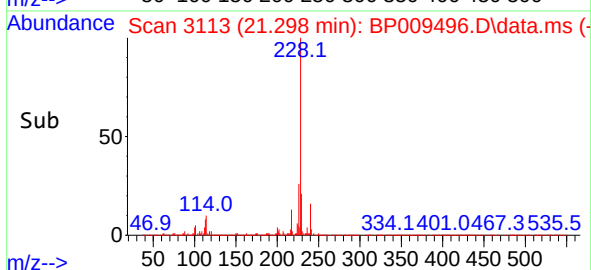
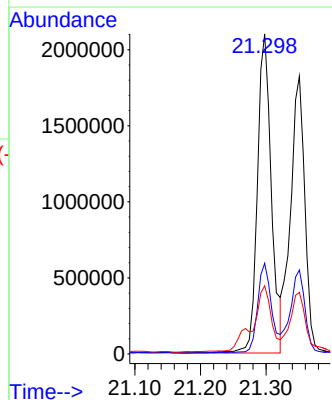
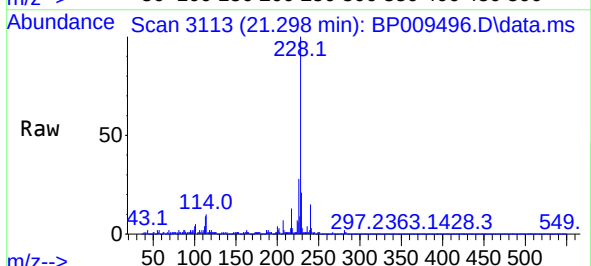
APPROVED

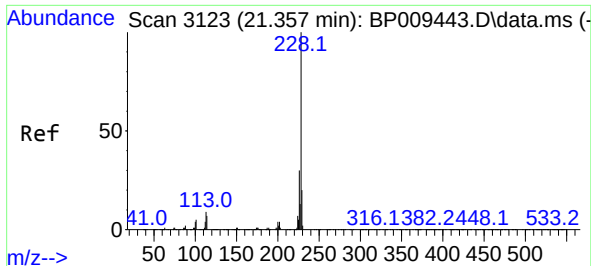
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022



#81
 Benzo(a)anthracene
 Concen: 26.009 ng
 RT: 21.298 min Scan# 3113
 Delta R.T. -0.006 min
 Lab File: BP009496.D
 Acq: 22 Mar 2022 19:45

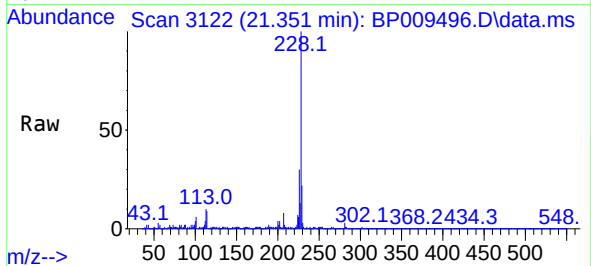
Tgt Ion:228 Resp: 3097341
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.0 33.0
 229 21.3 16.1 24.1





#83
Chrysene
Concen: 24.510 ng
RT: 21.351 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

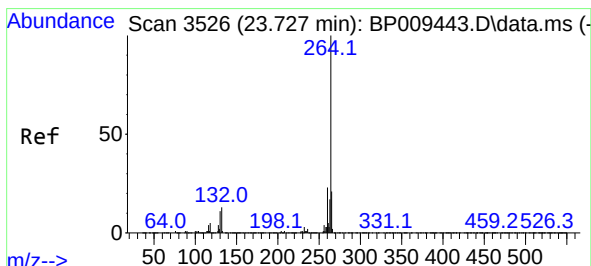
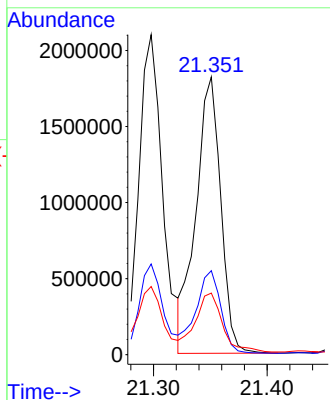
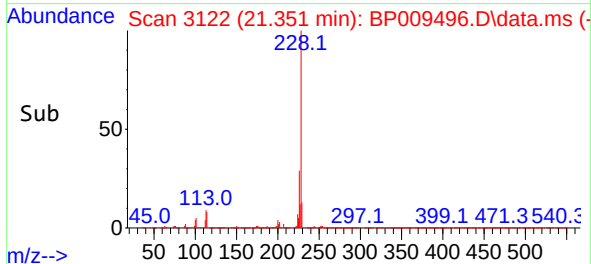
Instrument :
BNA_P
ClientSampleId :
OK-03-031822



Tgt Ion:228 Resp: 276384
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 22.2 16.1 24.1

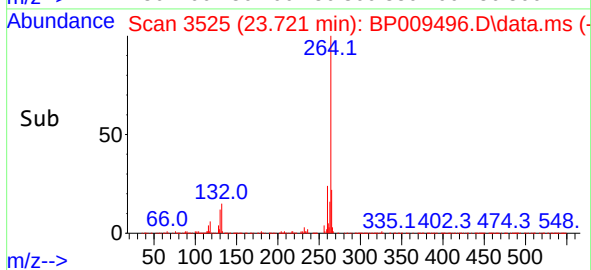
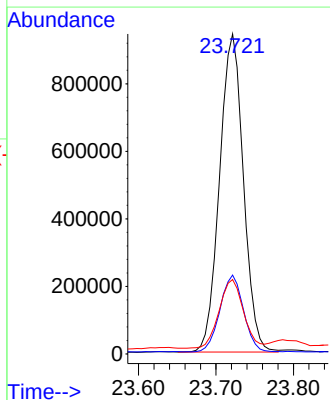
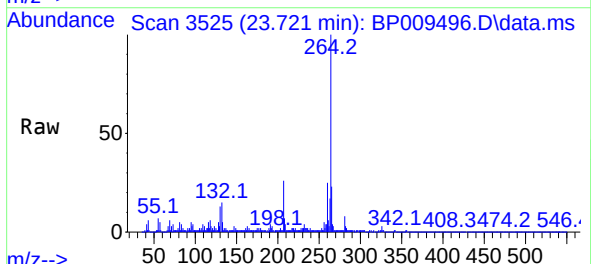
Manual Integrations
APPROVED

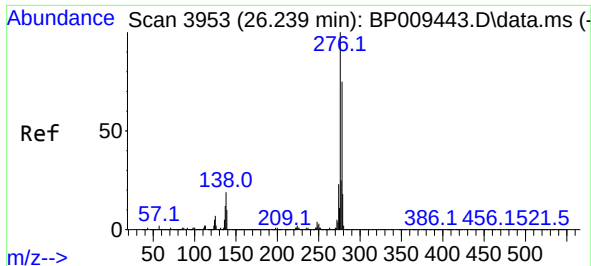
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3525
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

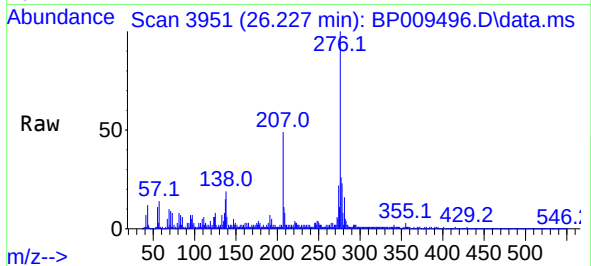
Tgt Ion:264 Resp: 2016932
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 23.2 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.143 ng
RT: 26.227 min Scan# 3951
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

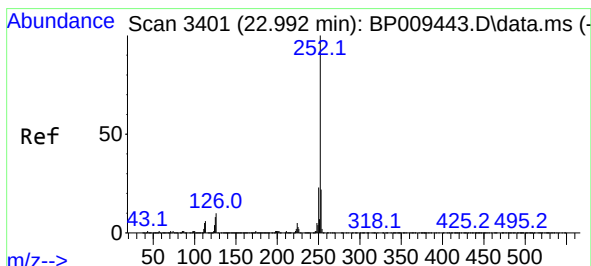
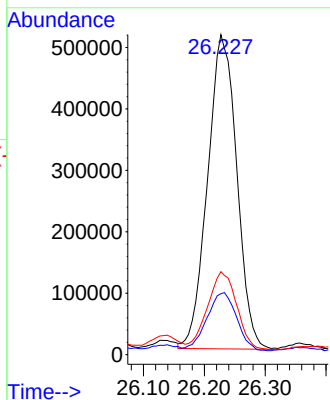
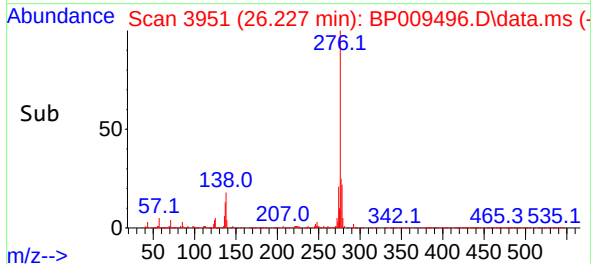
Instrument :
BNA_P
ClientSampleId :
OK-03-031822



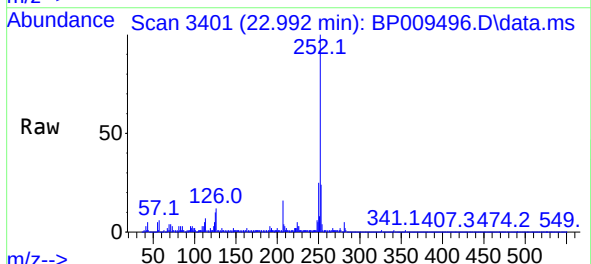
Tgt Ion:276 Resp: 1705044
Ion Ratio Lower Upper
276 100
138 18.9 20.5 30.7
277 24.9 20.4 30.6

Manual Integrations
APPROVED

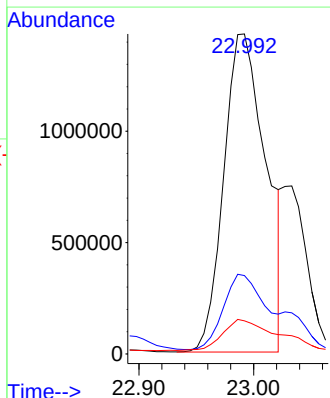
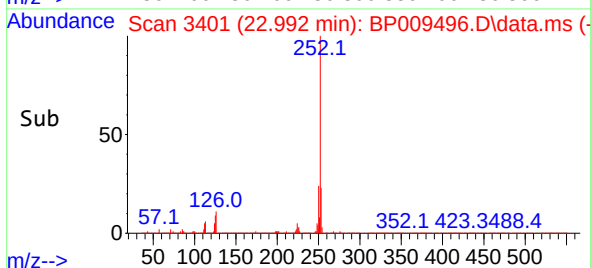
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

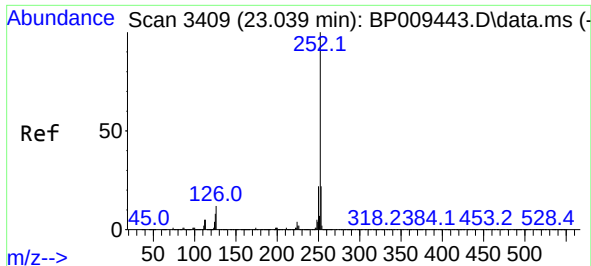


#88
Benzo(b)fluoranthene
Concen: 30.344 ng m
RT: 22.992 min Scan# 3401
Delta R.T. -0.000 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45



Tgt Ion:252 Resp: 3653542
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 10.3 8.1 12.1





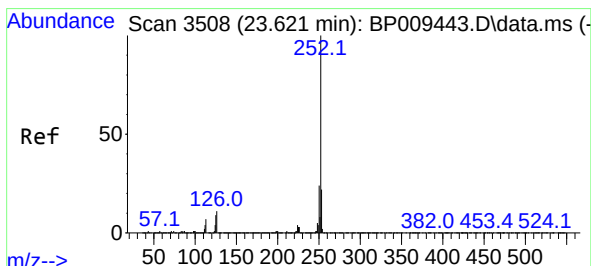
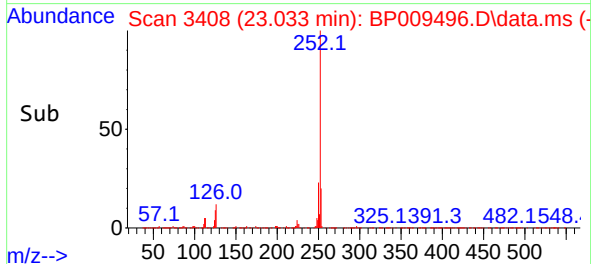
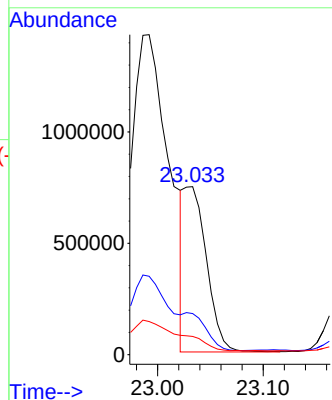
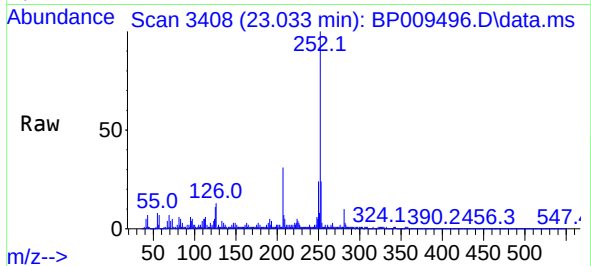
#89
Benzo(k)fluoranthene
Concen: 9.234 ng m
RT: 23.033 min Scan# 3409
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Instrument :
BNA_P
ClientSampleId :
OK-03-031822

Tgt Ion:252 Resp: 1088614
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 10.8 8.3 12.5

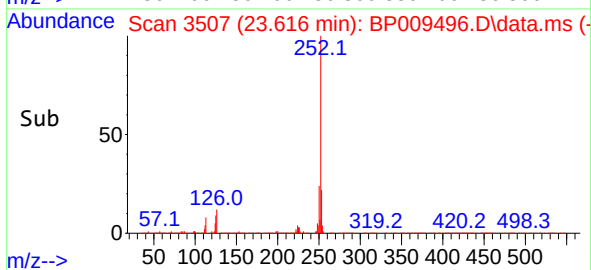
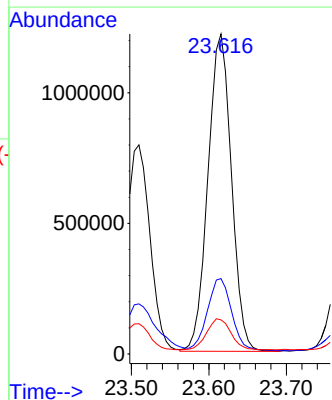
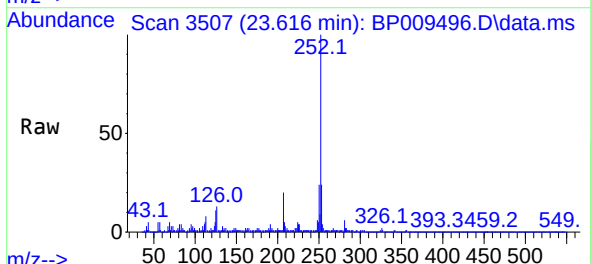
Manual Integrations
APPROVED

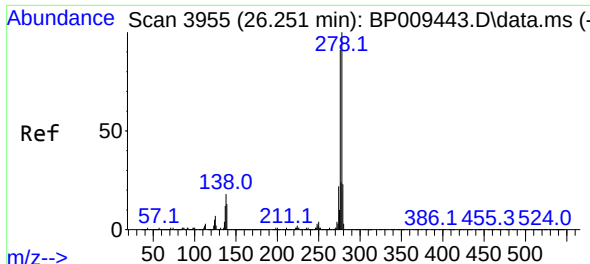
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#90
Benzo(a)pyrene
Concen: 24.825 ng
RT: 23.616 min Scan# 3507
Delta R.T. -0.006 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

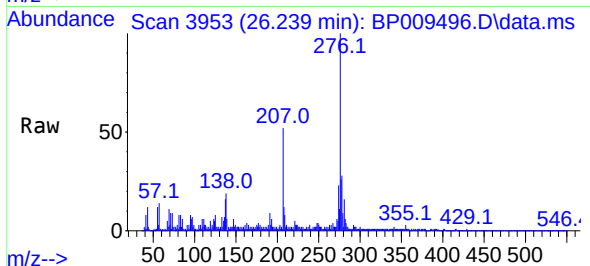
Tgt Ion:252 Resp: 2557343
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.7 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 3.676 ng
RT: 26.239 min Scan# 3953
Delta R.T. -0.012 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

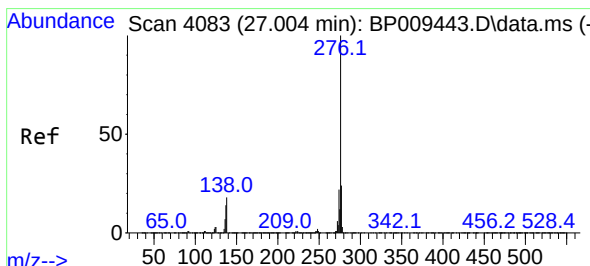
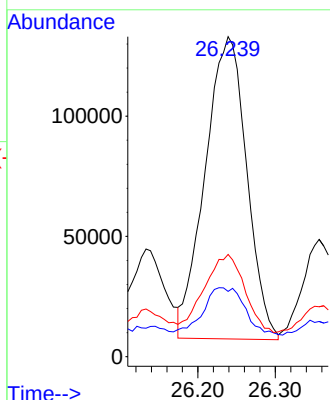
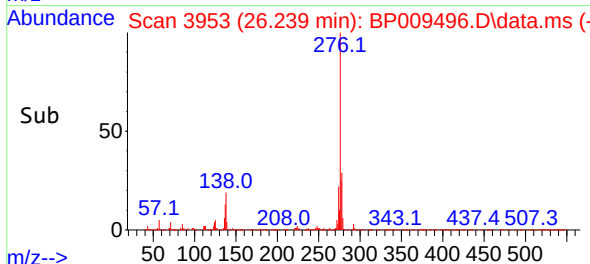
Instrument :
BNA_P
ClientSampleId :
OK-03-031822



Tgt Ion:278 Resp: 468760
Ion Ratio Lower Upper
278 100
139 20.4 13.2 19.8
279 32.0 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 13.469 ng
RT: 27.004 min Scan# 4083
Delta R.T. -0.000 min
Lab File: BP009496.D
Acq: 22 Mar 2022 19:45

Tgt Ion:276 Resp: 1689856
Ion Ratio Lower Upper
276 100
277 25.6 19.2 28.8
138 19.7 18.0 27.0

