

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
 Data File : BP008352.D
 Acq On : 10 Dec 2021 21:40
 Operator : CG/JU
 Sample : M4966-29
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P4-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/11/2021
 Supervised By : Jagrut Upadhyay 12/13/2021

Quant Time: Dec 11 04:01:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	77306	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	259332	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	141663	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	303305	20.000	ng	0.00
76) Chrysene-d12	21.280	240	377932	20.000	ng	0.00
86) Perylene-d12	23.663	264	416281	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	457141	95.211	ng	0.00
7) Phenol-d6	6.952	99	565360	87.227	ng	0.00
23) Nitrobenzene-d5	8.922	82	397258	69.658	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	148163	81.827	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	668500	68.544	ng	0.00
79) Terphenyl-d14	19.751	244	1048512	57.982	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.975	94	14902	2.237	ng	# 73
31) Naphthalene	10.605	128	71001	5.345	ng	98
37) 2-Methylnaphthalene	12.228	142	33573	3.573	ng	97
38) 1-Methylnaphthalene	12.446	142	19974	2.184	ng	# 97
52) Acenaphthene	14.475	154	57044	7.644	ng	99
55) Dibenzofuran	14.816	168	109817	8.611	ng	99
58) Fluorene	15.469	166	97751	9.434	ng	99
71) Phenanthrene	17.222	178	1105989	69.064	ng	99
72) Anthracene	17.310	178	293695	18.480	ng	98
73) Carbazole	17.592	167	156629	10.096	ng	99
75) Fluoranthene	19.198	202	1049498	48.649	ng	99
78) Pyrene	19.551	202	859798	35.578	ng	100
81) Benzo(a)anthracene	21.269	228	614415	24.530	ng	100
83) Chrysene	21.322	228	489992	20.558	ng	96
87) Indeno(1,2,3-cd)pyrene	26.139	276	244060	8.059	ng	# 95
88) Benzo(b)fluoranthene	22.945	252	569941	22.711	ng	98
89) Benzo(k)fluoranthene	22.980	252	186159m	7.577	ng	
90) Benzo(a)pyrene	23.557	252	431685	20.127	ng	99
91) Dibenzo(a,h)anthracene	26.139	278	82404	3.276	ng	# 88
92) Benzo(g,h,i)perylene	26.904	276	207960	8.196	ng	98

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

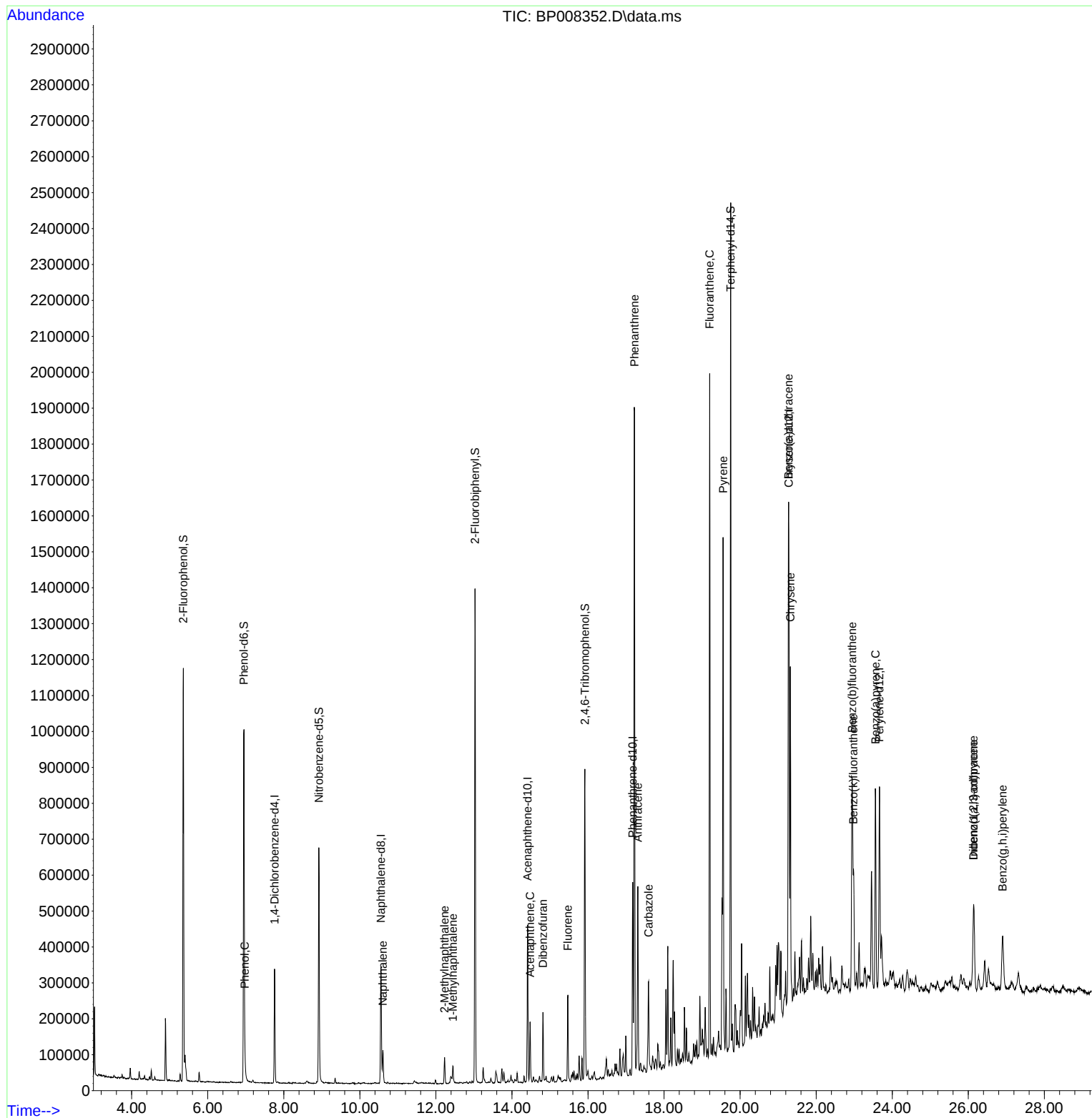
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
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Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

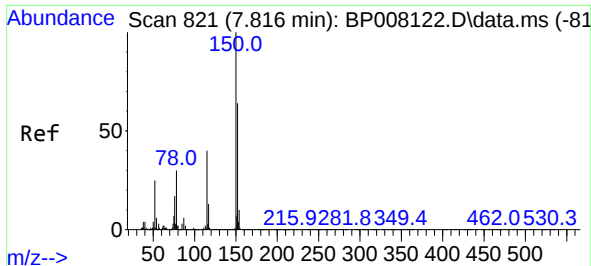
Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Time: Dec 11 04:01:50 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 03:53:01 2021
Response via : Initial Calibration

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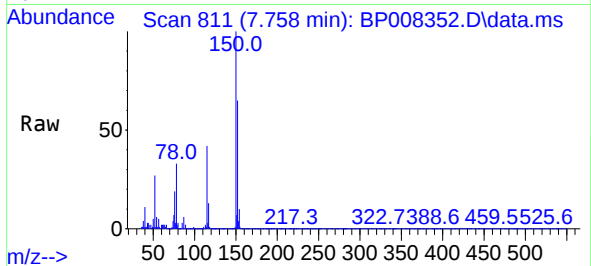
Reviewed By : Christian Giraldo 12/11/2021
Supervised By : Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

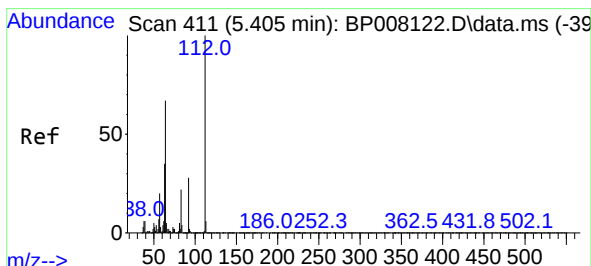
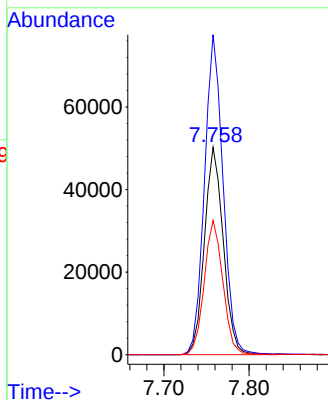
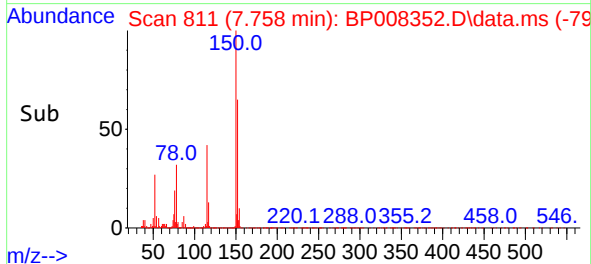
Instrument :
BNA_P
ClientSampleId :
P4-COMP



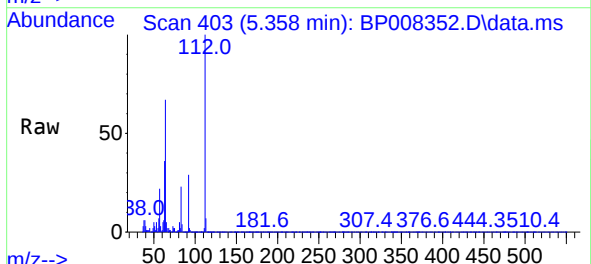
Tgt Ion:152 Resp: 77300
Ion Ratio Lower Upper
152 100
150 154.3 125.7 188.5
115 64.7 50.7 76.1

Manual Integrations
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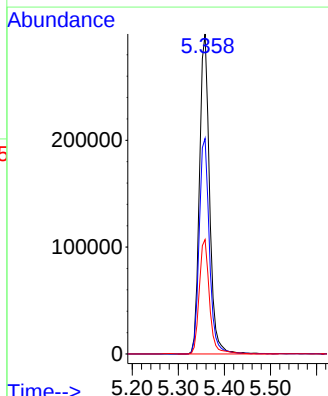
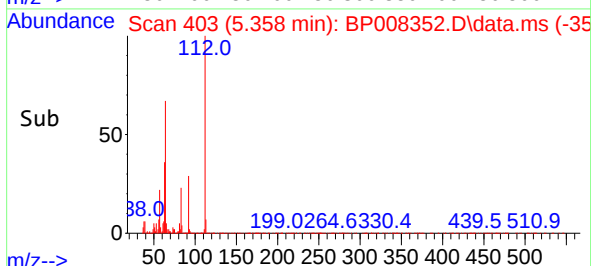
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Supervised By :Jagrut Upadhyay 12/13/2021

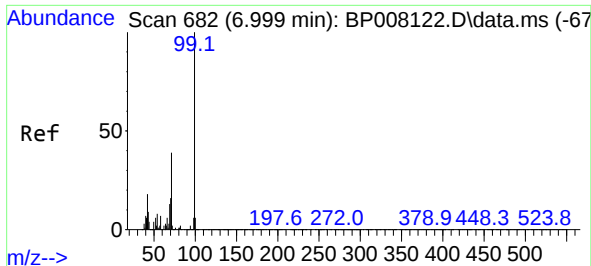


#5
2-Fluorophenol
Concen: 95.211 ng
RT: 5.358 min Scan# 403
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40



Tgt Ion:112 Resp: 457141
Ion Ratio Lower Upper
112 100
64 67.3 53.4 80.2
63 35.7 27.8 41.8





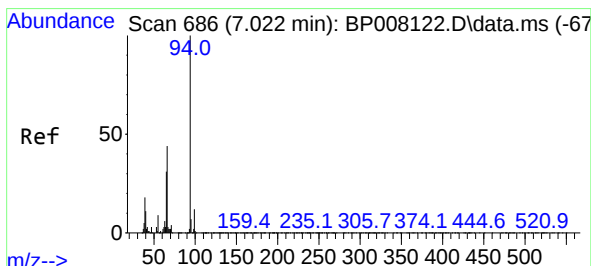
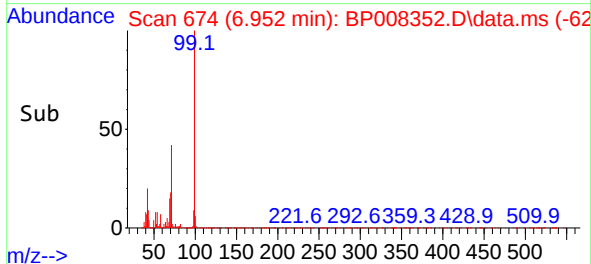
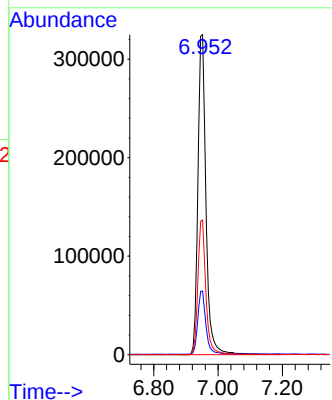
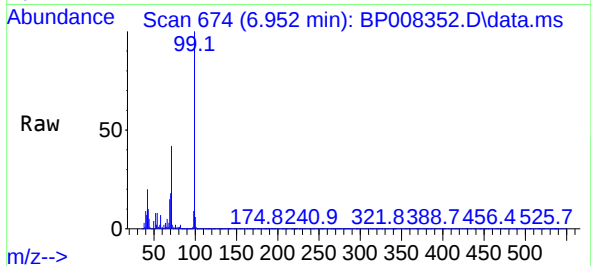
#7
Phenol-d6
Concen: 87.227 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion: 99 Resp: 565360
Ion Ratio Lower Upper
99 100
42 19.8 14.6 22.0
71 42.1 31.1 46.7

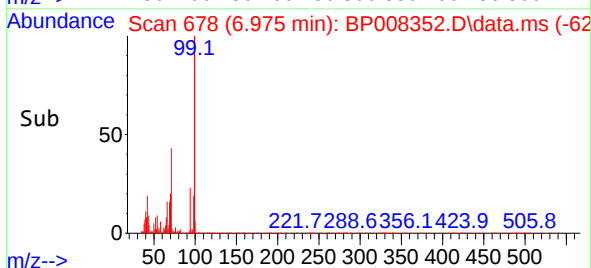
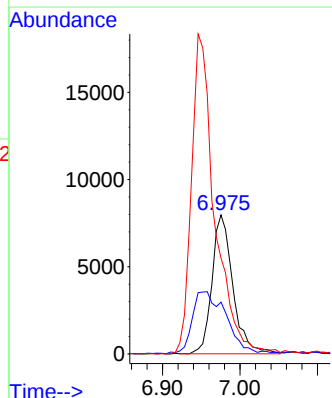
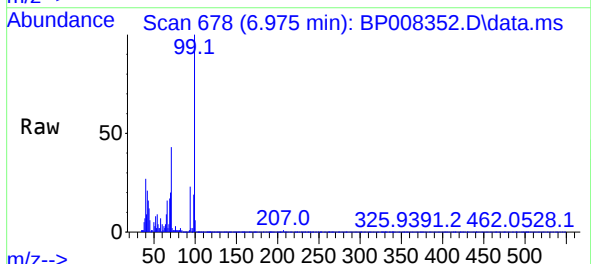
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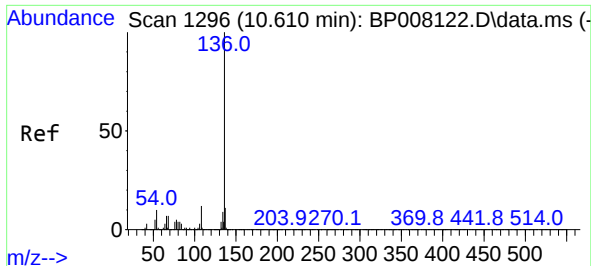
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#10
Phenol
Concen: 2.237 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion: 94 Resp: 14902
Ion Ratio Lower Upper
94 100
65 37.3 10.9 50.9
66 68.9 24.3 64.3#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

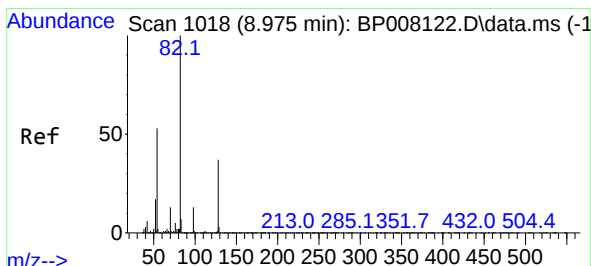
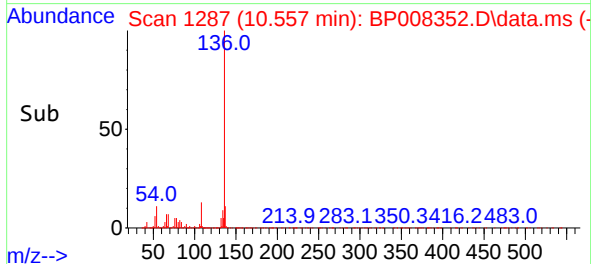
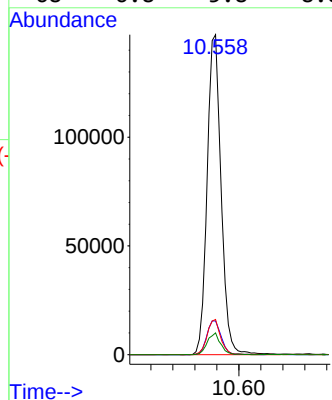
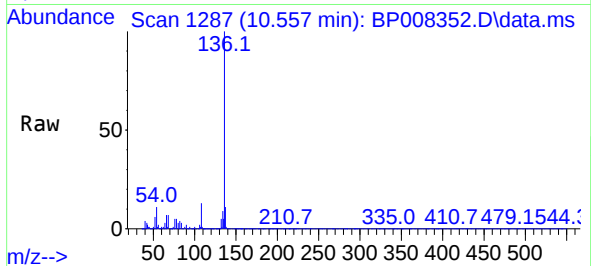
Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion: 136 Resp: 25933

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	11.0	8.2	12.4
68	6.8	5.8	8.8

Manual Integrations
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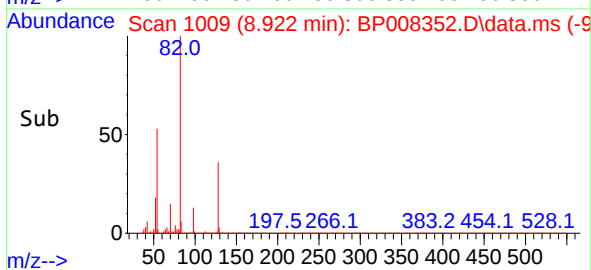
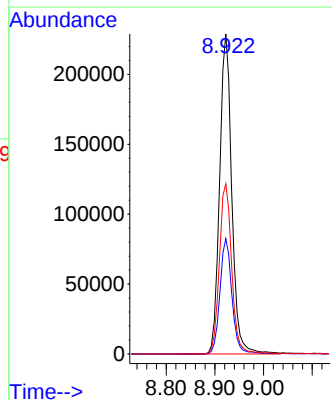
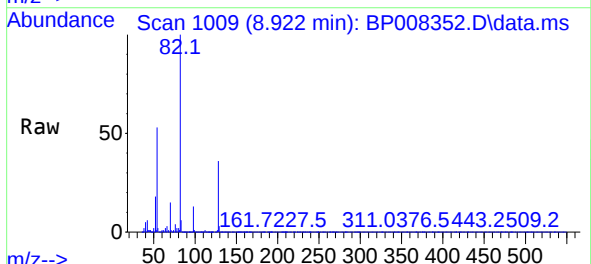
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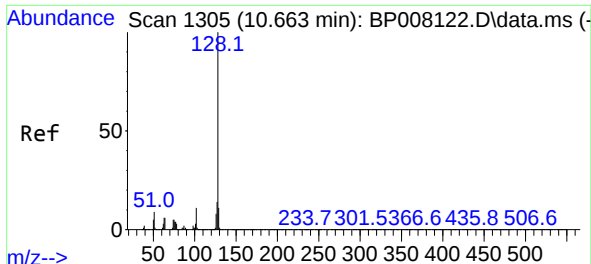


#23
Nitrobenzene-d5
Concen: 69.658 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion: 82 Resp: 397258

Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.6	44.4
54	53.2	42.7	64.1





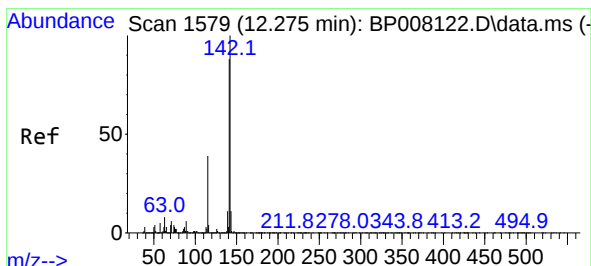
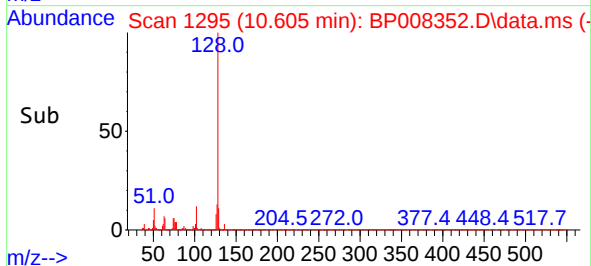
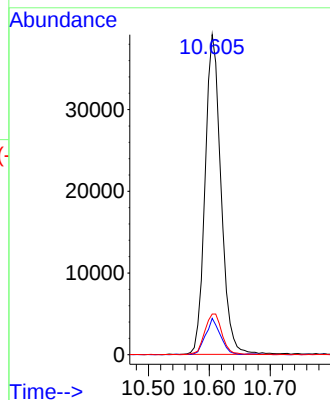
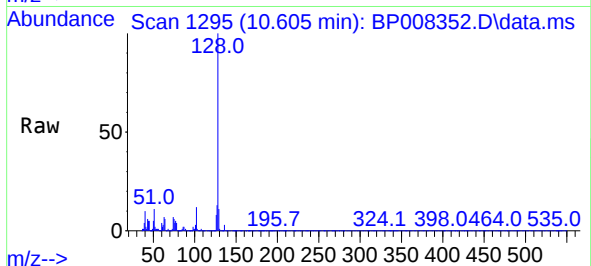
#31
Naphthalene
Concen: 5.345 ng
RT: 10.605 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion:128 Resp: 7100
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 12.7 10.9 16.3

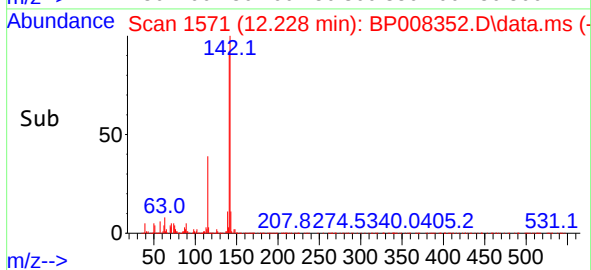
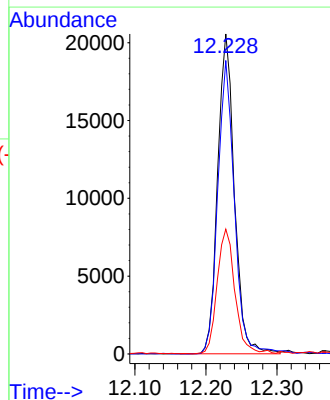
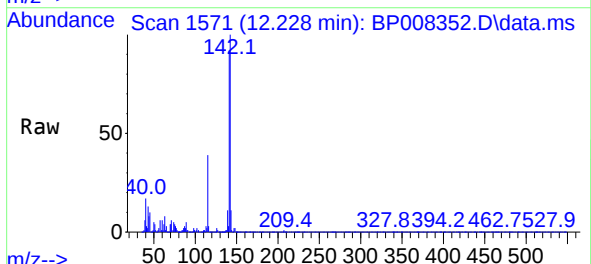
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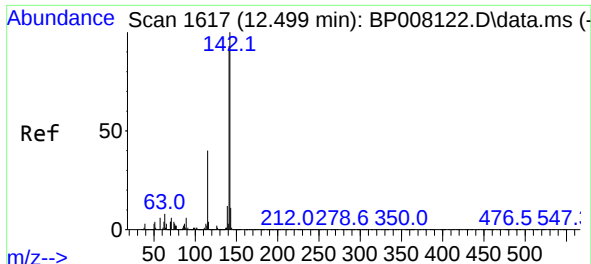
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#37
2-Methylnaphthalene
Concen: 3.573 ng
RT: 12.228 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:142 Resp: 33573
Ion Ratio Lower Upper
142 100
141 91.7 70.7 106.1
115 39.0 30.9 46.3





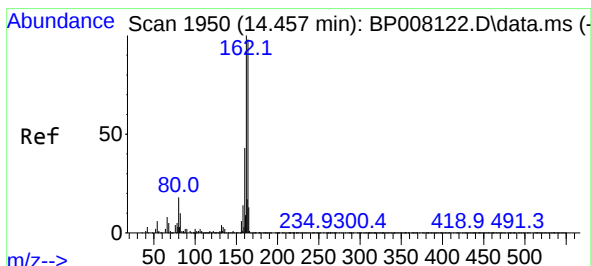
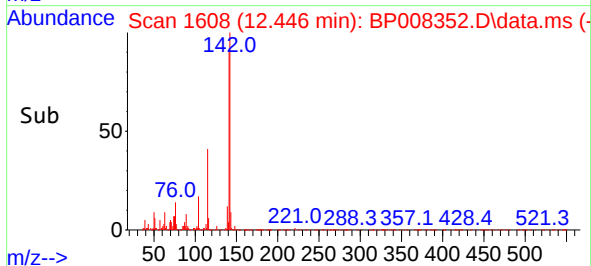
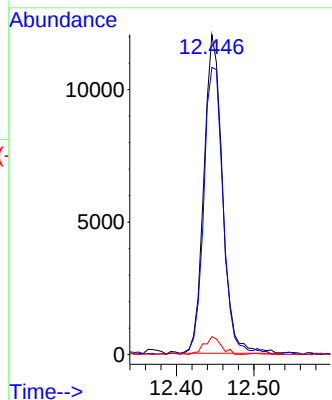
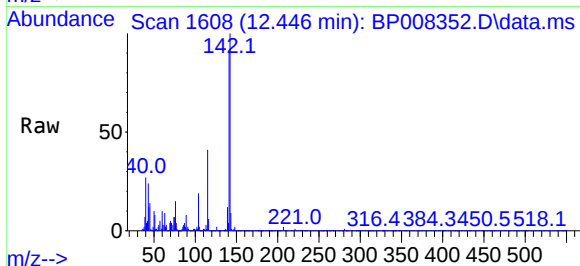
#38
1-Methylnaphthalene
Concen: 2.184 ng
RT: 12.446 min Scan# 19974
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion:142 Resp: 19974
Ion Ratio Lower Upper
142 100
141 89.8 74.2 111.4
116 5.6 3.4 5.2

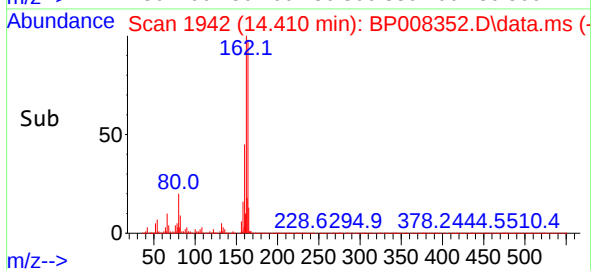
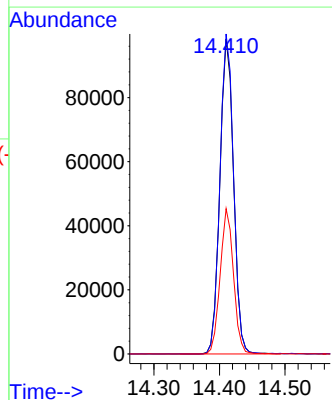
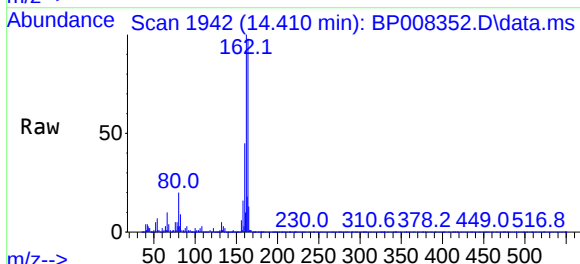
Manual Integrations
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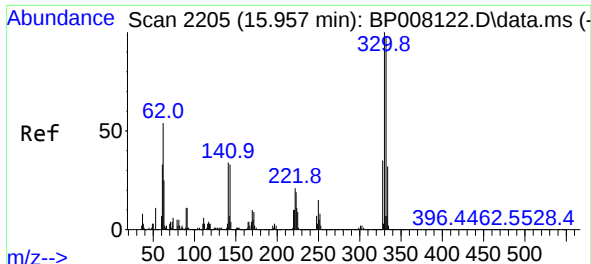
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

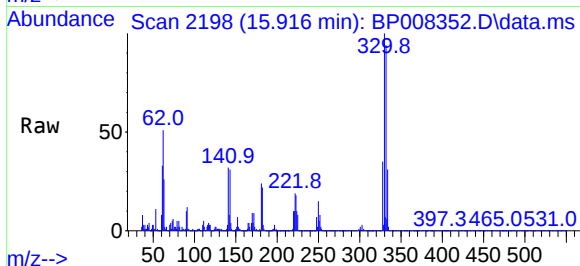
Tgt Ion:164 Resp: 141663
Ion Ratio Lower Upper
164 100
162 101.6 81.9 122.9
160 46.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 81.827 ng
RT: 15.916 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

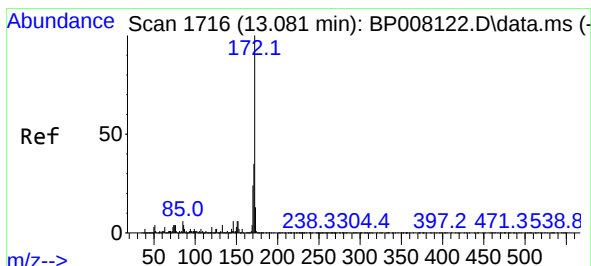
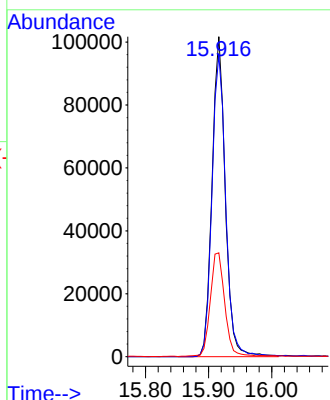
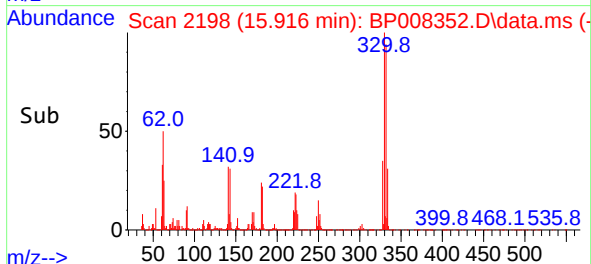
Instrument :
BNA_P
ClientSampleId :
P4-COMP



Tgt Ion:330 Resp: 14816
Ion Ratio Lower Upper
330 100
332 98.2 77.0 115.4
141 35.6 28.4 42.6

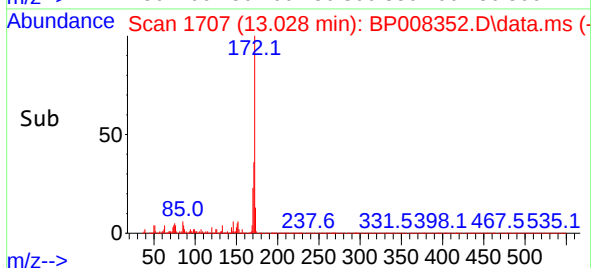
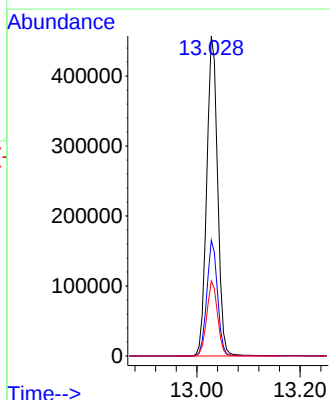
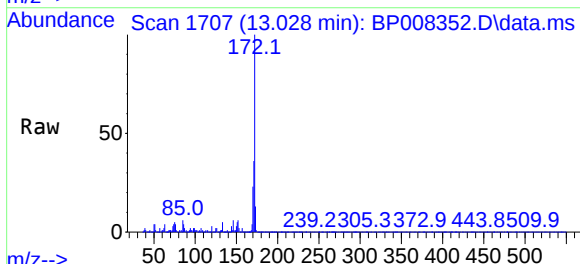
Manual Integrations
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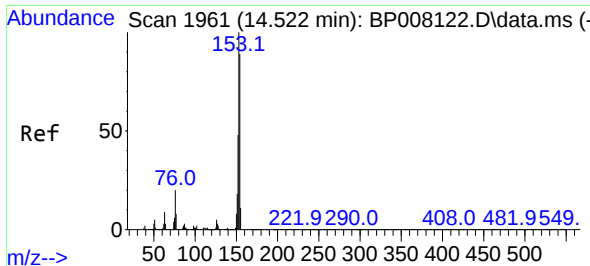
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#45
2-Fluorobiphenyl
Concen: 68.544 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:172 Resp: 668500
Ion Ratio Lower Upper
172 100
171 36.2 28.0 42.0
170 23.5 18.9 28.3





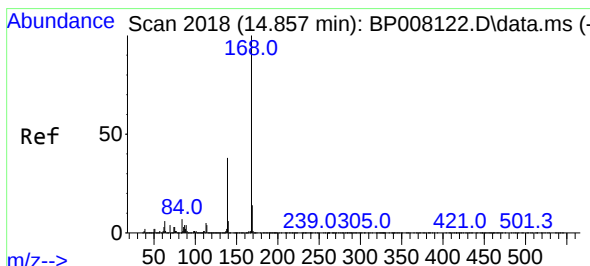
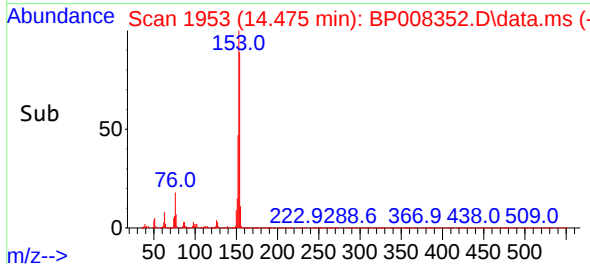
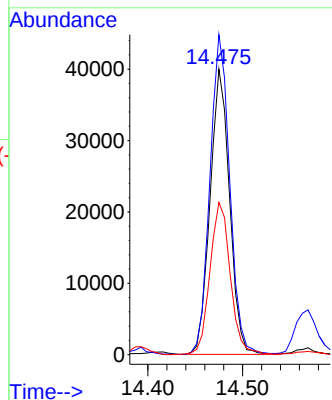
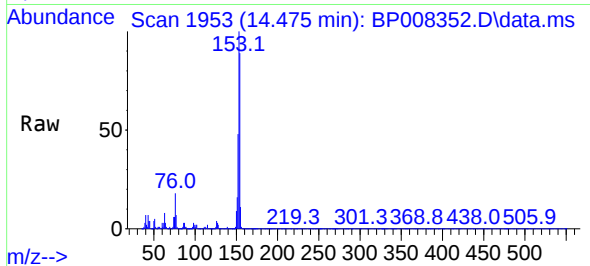
#52
Acenaphthene
Concen: 7.644 ng
RT: 14.475 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion:154 Resp: 57044
Ion Ratio Lower Upper
154 100
153 112.0 90.3 135.5
152 53.3 43.3 64.9

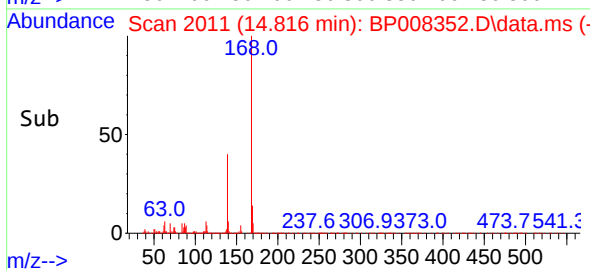
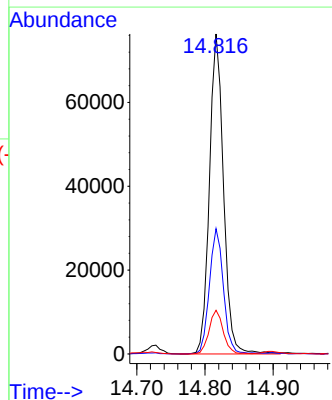
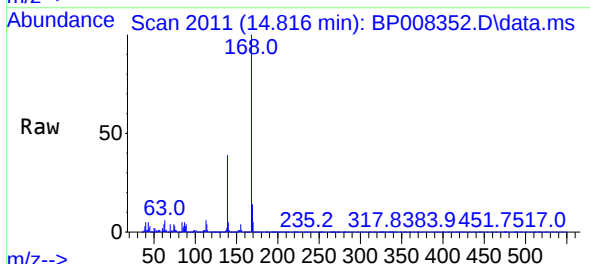
Manual Integrations
APPROVED

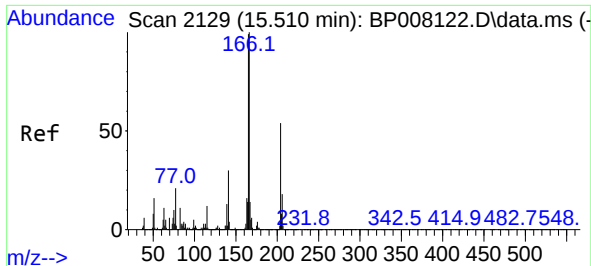
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#55
Dibenzofuran
Concen: 8.611 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:168 Resp: 109817
Ion Ratio Lower Upper
168 100
139 39.1 30.6 46.0
169 13.7 11.0 16.4





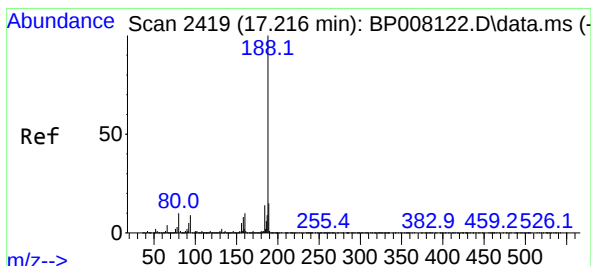
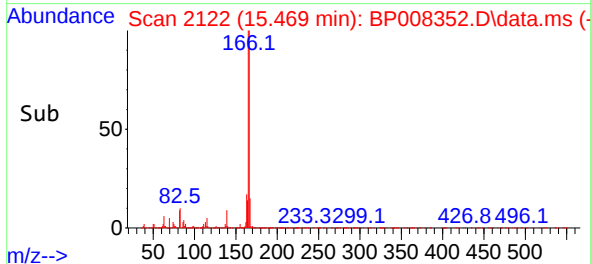
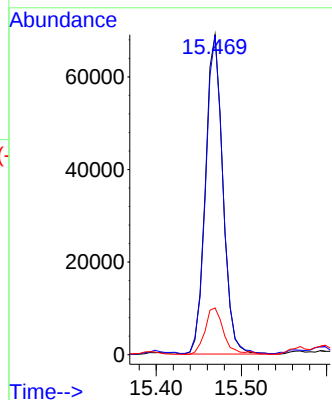
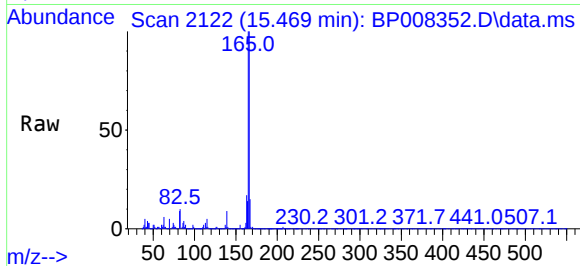
#58
Fluorene
Concen: 9.434 ng
RT: 15.469 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion:166 Resp: 9775
Ion Ratio Lower Upper
166 100
165 99.8 79.4 119.2
167 14.6 10.9 16.3

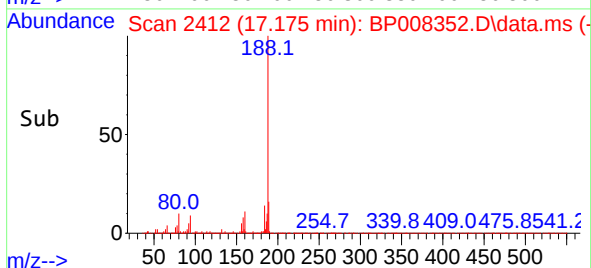
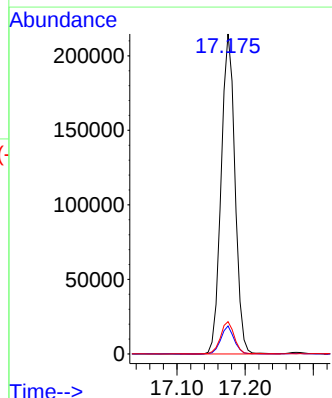
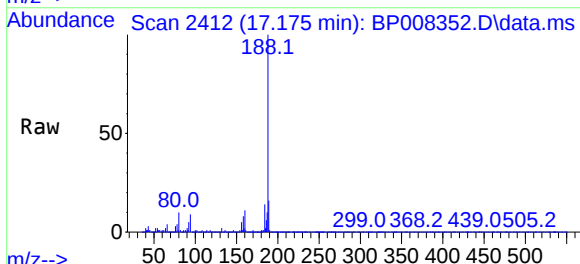
Manual Integrations
APPROVED

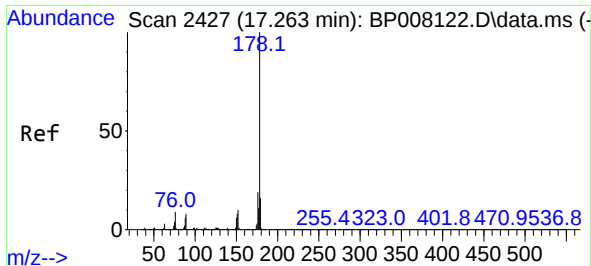
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:188 Resp: 303305
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 10.1 8.2 12.4





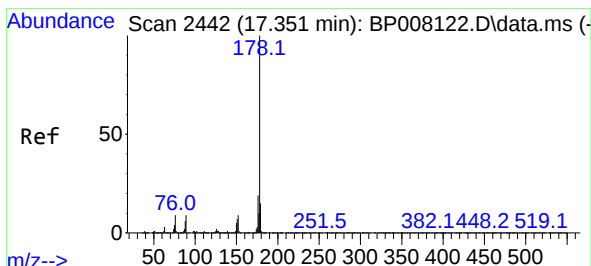
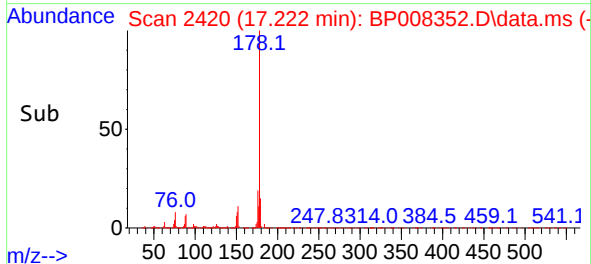
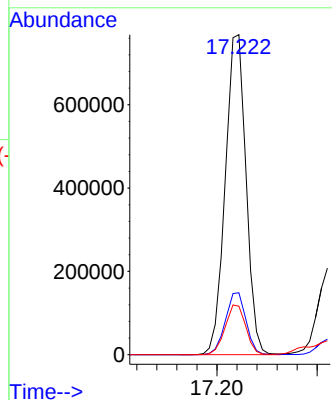
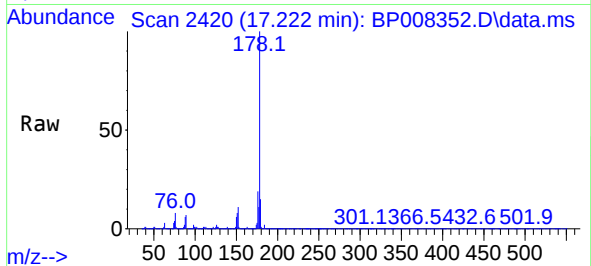
#71
Phenanthrene
Concen: 69.064 ng
RT: 17.222 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion:178 Resp: 1105989
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.2 12.5 18.7

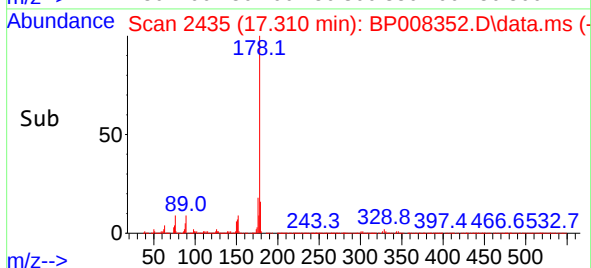
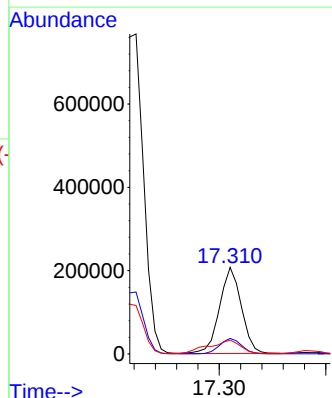
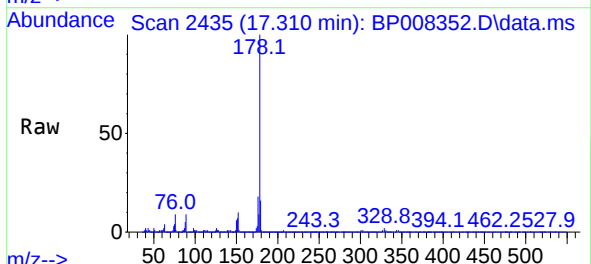
Manual Integrations
APPROVED

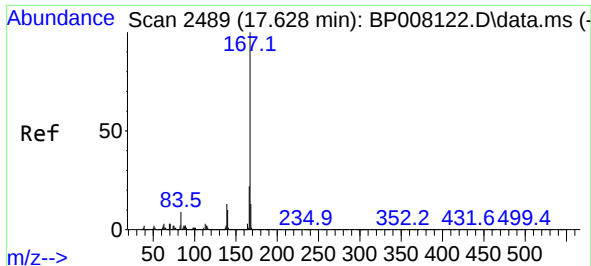
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#72
Anthracene
Concen: 18.480 ng
RT: 17.310 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

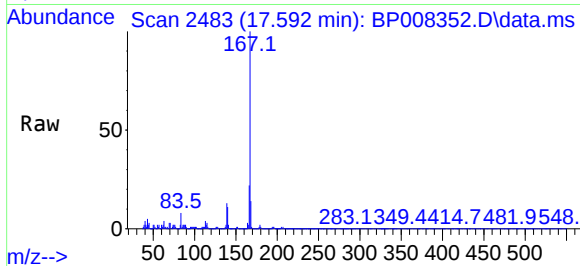
Tgt Ion:178 Resp: 293695
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 16.0 12.3 18.5





#73
 Carbazole
 Concen: 10.096 ng
 RT: 17.592 min Scan# 2489
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

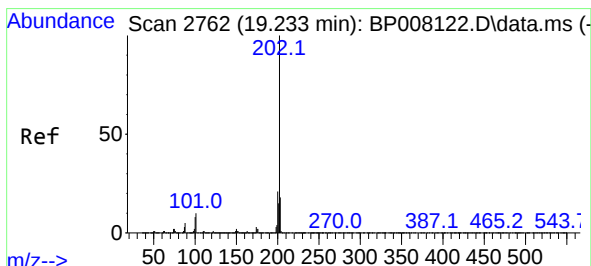
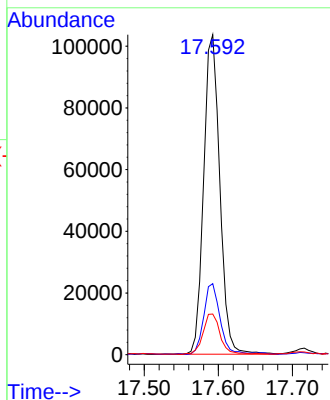
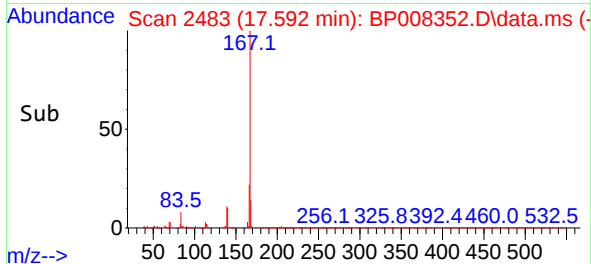
Instrument :
 BNA_P
 ClientSampleId :
 P4-COMP



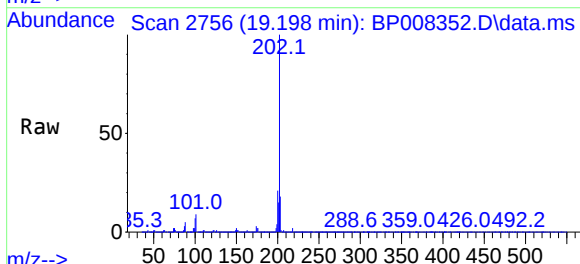
Tgt Ion:167 Resp: 156629
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 12.7 10.2 15.2

Manual Integrations
 APPROVED

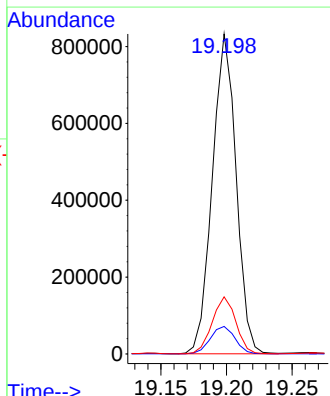
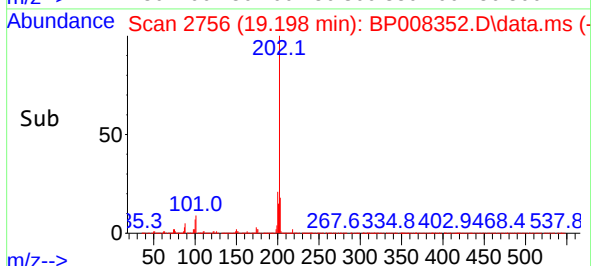
Reviewed By :Christian Giraldo 12/11/2021
 Supervised By :Jagrut Upadhyay 12/13/2021

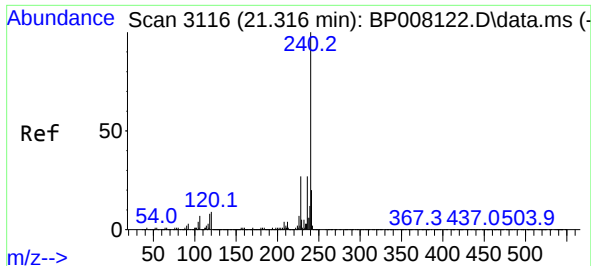


#75
 Fluoranthene
 Concen: 48.649 ng
 RT: 19.198 min Scan# 2756
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40



Tgt Ion:202 Resp: 1049498
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 29.8
 203 17.9 0.0 37.7





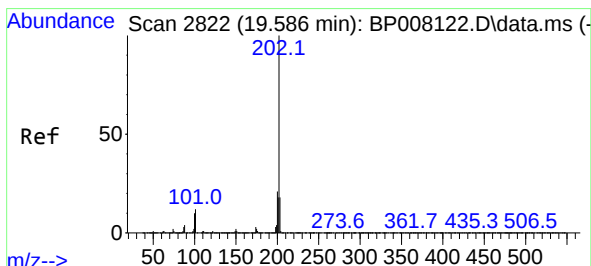
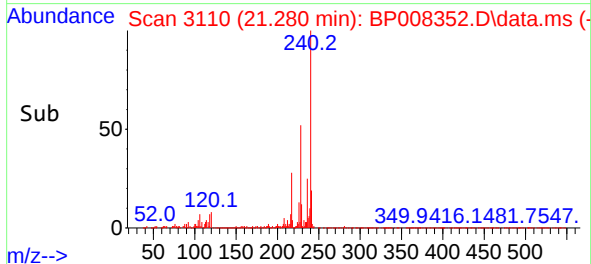
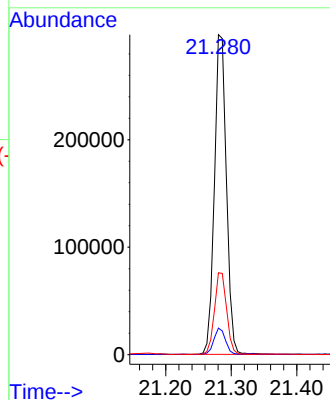
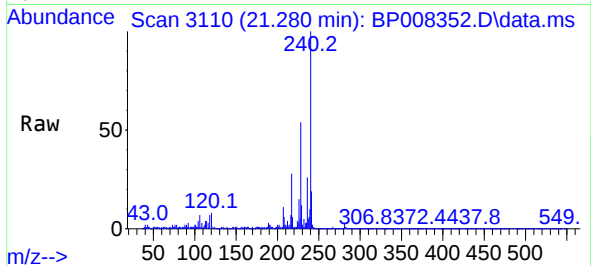
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion:240 Resp: 377932
Ion Ratio Lower Upper
240 100
120 8.3 7.3 10.9
236 25.6 21.4 32.2

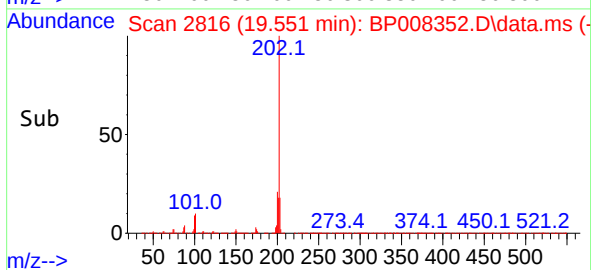
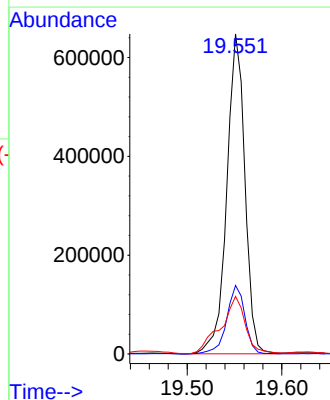
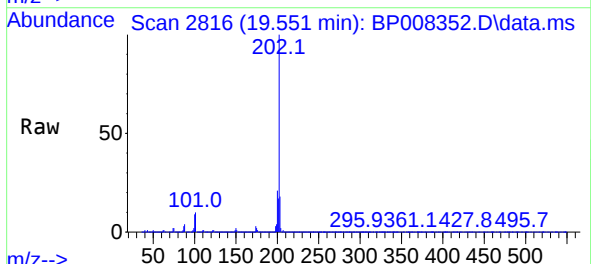
Manual Integrations
APPROVED

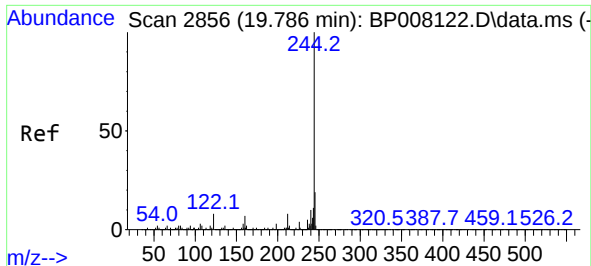
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#78
Pyrene
Concen: 35.578 ng
RT: 19.551 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:202 Resp: 859798
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.0 14.2 21.2





#79
 Terphenyl-d14
 Concen: 57.982 ng
 RT: 19.751 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

Instrument :

BNA_P

ClientSampleId :

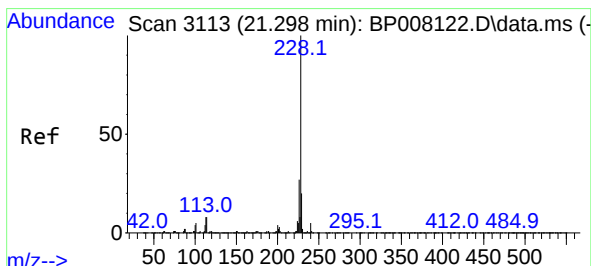
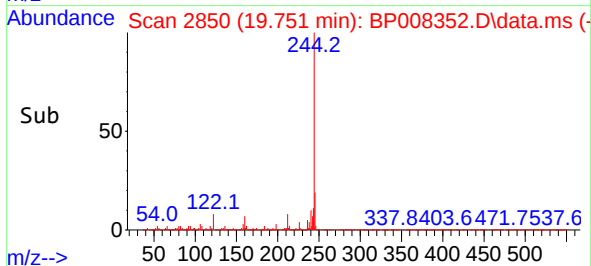
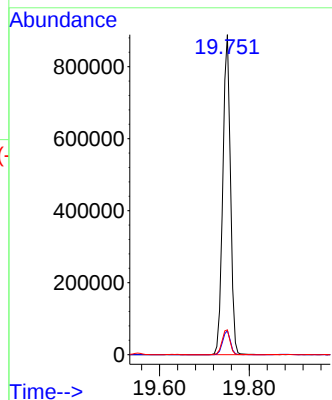
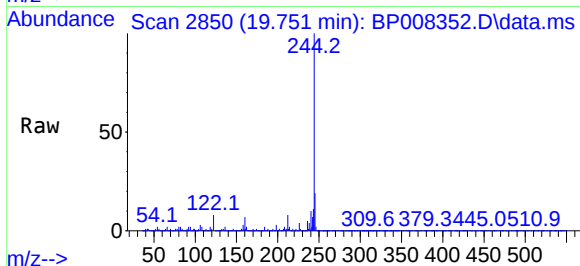
P4-COMP

Tgt Ion:244 Resp: 104851
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 7.8 6.6 9.8

Manual Integrations

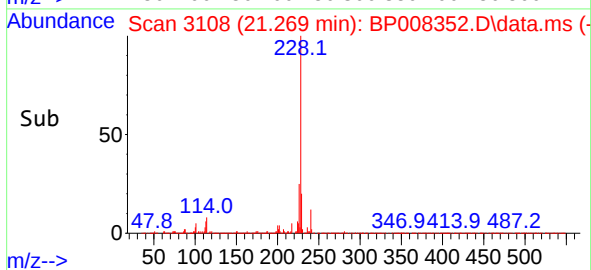
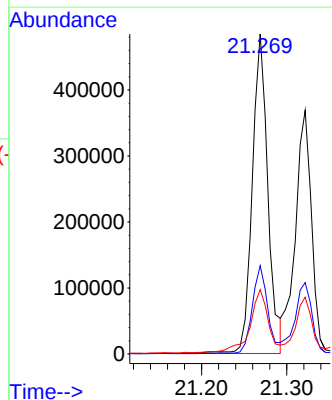
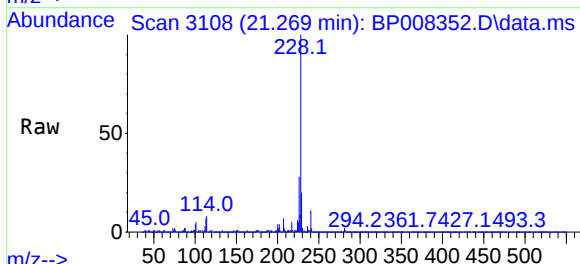
APPROVED

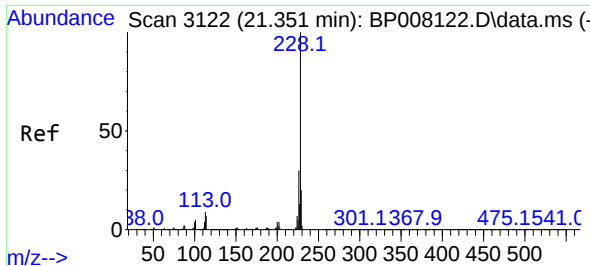
Reviewed By :Christian Giraldo 12/11/2021
 Supervised By :Jagrut Upadhyay 12/13/2021



#81
 Benzo(a)anthracene
 Concen: 24.530 ng
 RT: 21.269 min Scan# 3108
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

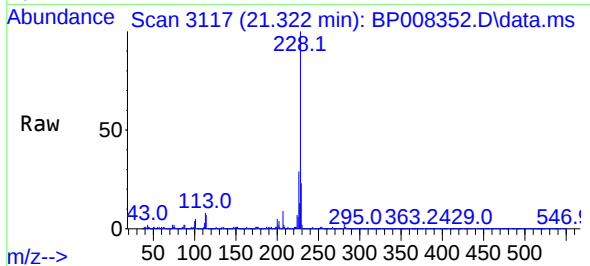
Tgt Ion:228 Resp: 614415
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.9 32.9
 229 20.1 15.9 23.9





#83
Chrysene
Concen: 20.558 ng
RT: 21.322 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

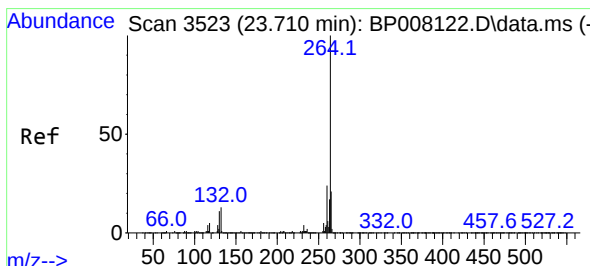
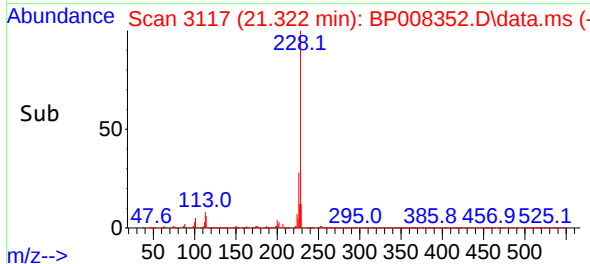
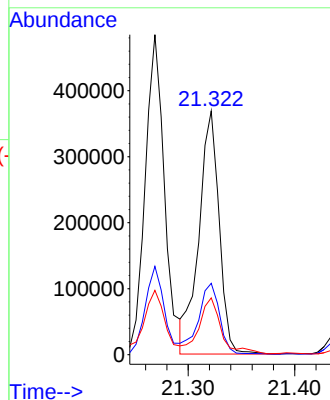
Instrument :
BNA_P
ClientSampleId :
P4-COMP



Tgt Ion:228 Resp: 489992
Ion Ratio Lower Upper
228 100
226 29.3 24.0 36.0
229 23.3 15.8 23.8

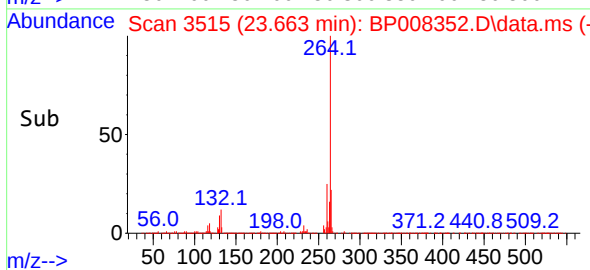
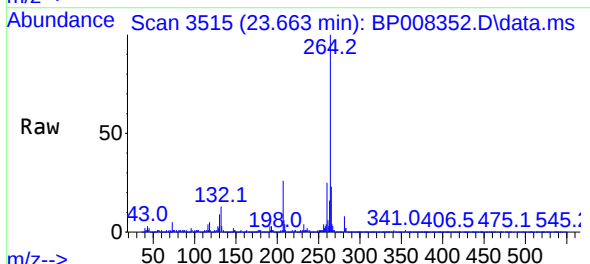
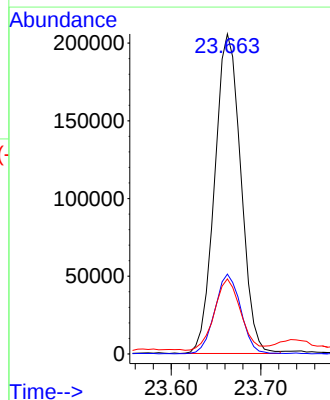
Manual Integrations
APPROVED

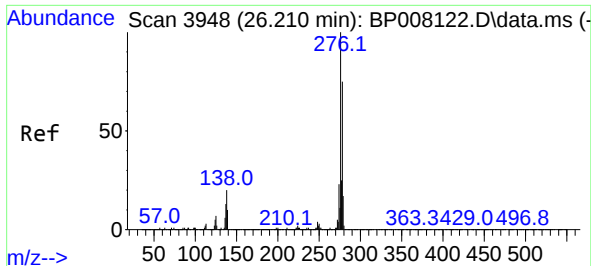
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.663 min Scan# 3515
Delta R.T. -0.012 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:264 Resp: 416281
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 23.4 17.6 26.4





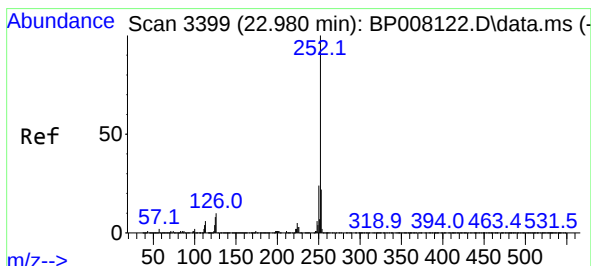
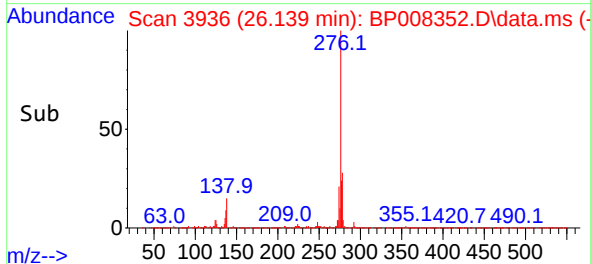
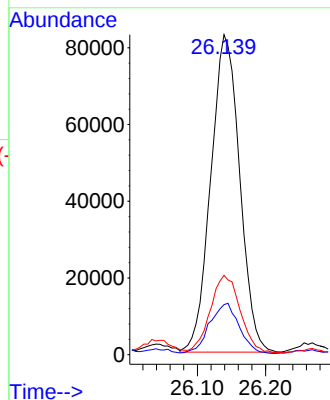
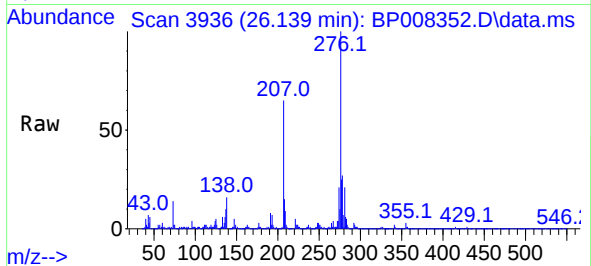
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.059 ng
 RT: 26.139 min Scan# 3948
 Delta R.T. -0.023 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

Instrument :
 BNA_P
 ClientSampleId :
 P4-COMP

Tgt Ion:276 Resp: 244060
 Ion Ratio Lower Upper
 276 100
 138 16.1 16.6 25.0
 277 25.2 20.2 30.2

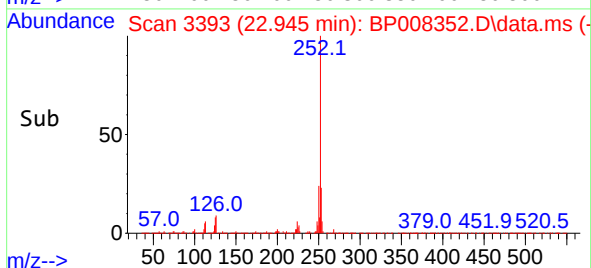
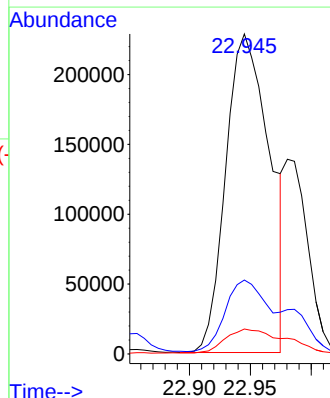
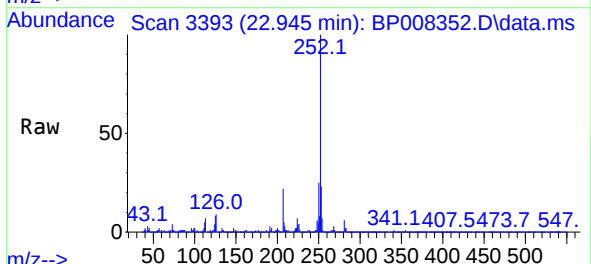
Manual Integrations
 APPROVED

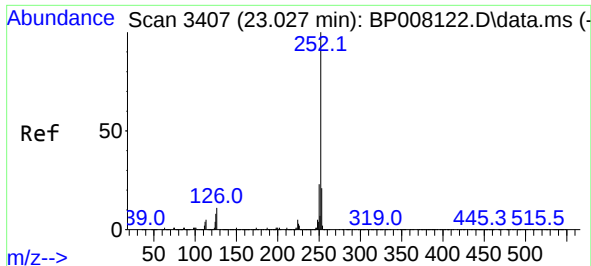
Reviewed By :Christian Giraldo 12/11/2021
 Supervised By :Jagrut Upadhyay 12/13/2021



#88
 Benzo(b)fluoranthene
 Concen: 22.711 ng
 RT: 22.945 min Scan# 3393
 Delta R.T. 0.000 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

Tgt Ion:252 Resp: 569941
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.7 26.5
 125 7.8 6.2 9.4





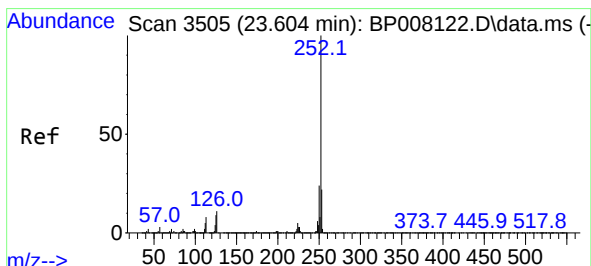
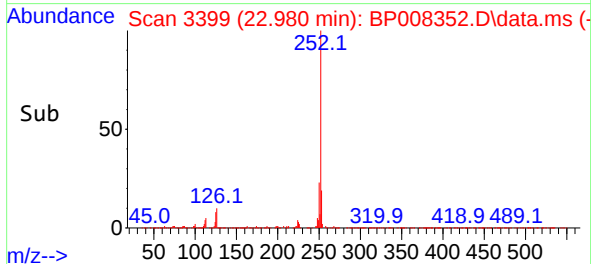
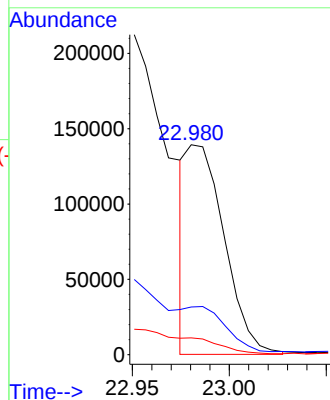
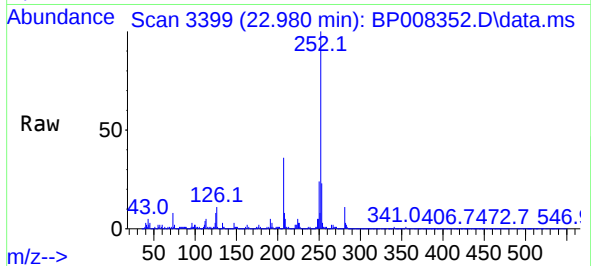
#89
Benzo(k)fluoranthene
Concen: 7.577 ng m
RT: 22.980 min Scan# 31
Delta R.T. -0.017 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Tgt Ion:252 Resp: 186159
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 8.0 6.5 9.7

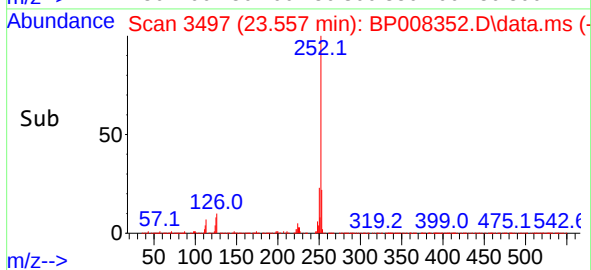
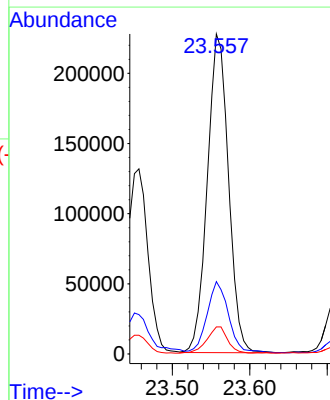
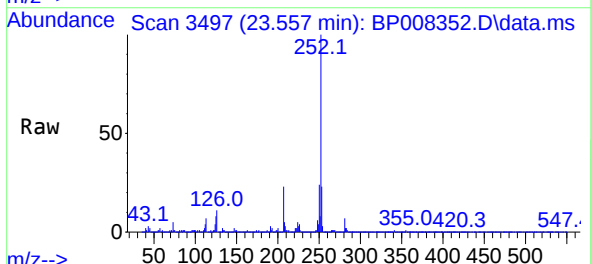
Manual Integrations
APPROVED

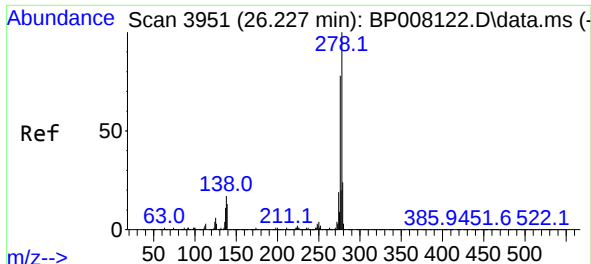
Reviewed By :Christian Giraldo 12/11/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#90
Benzo(a)pyrene
Concen: 20.127 ng
RT: 23.557 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

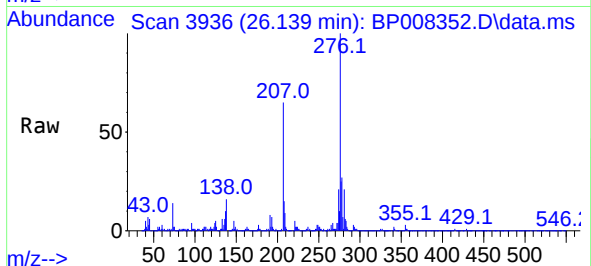
Tgt Ion:252 Resp: 431685
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 8.4 7.4 11.0





#91
Dibenzo(a,h)anthracene
Concen: 3.276 ng
RT: 26.139 min Scan# 3951
Delta R.T. -0.029 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

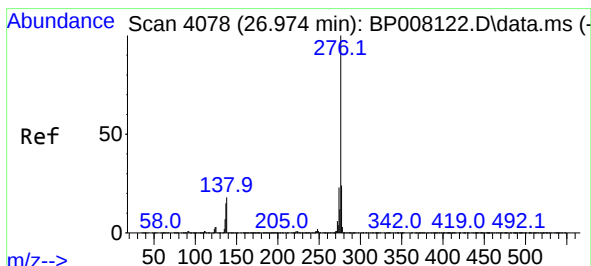
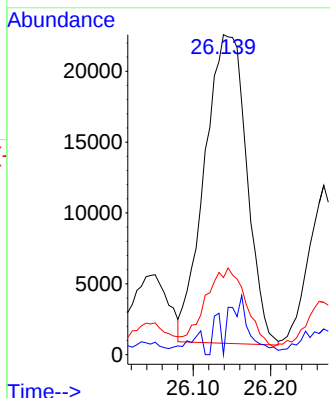
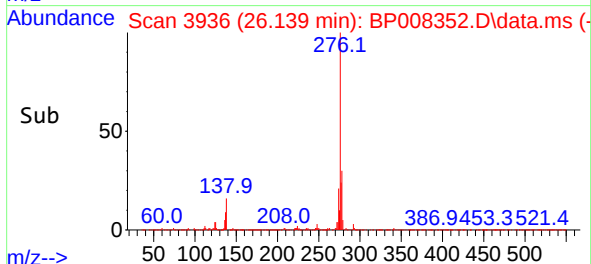
Instrument : BNA_P
ClientSampleId : P4-COMP



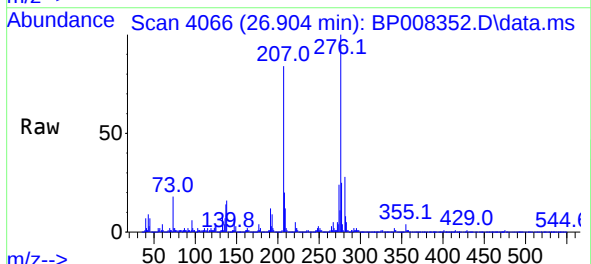
Tgt Ion: 278 Resp: 82404
Ion Ratio Lower Upper
278 100
139 0.0 10.8 16.2
279 24.1 19.1 28.7

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 12/11/2021
Supervised By : Jagrut Upadhyay 12/13/2021



#92
Benzo(g,h,i)perylene
Concen: 8.196 ng
RT: 26.904 min Scan# 4066
Delta R.T. -0.017 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40



Tgt Ion: 276 Resp: 207960
Ion Ratio Lower Upper
276 100
277 24.9 20.0 30.0
138 15.5 14.1 21.1

