

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020222\
 Data File : BP009017.D
 Acq On : 02 Feb 2022 21:04
 Operator : CG/JU
 Sample : N1356-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F-PHC

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2022
 Supervised By : Jagrut Upadhyay 02/04/2022

Quant Time: Feb 03 06:27:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 03 06:20:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	194626	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	696832	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	427318	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	872580	20.000	ng	-0.01
76) Chrysene-d12	21.310	240	986642	20.000	ng	-0.01
86) Perylene-d12	23.715	264	1111577	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	1314192	104.420	ng	0.00
7) Phenol-d6	7.005	99	1577892	103.533	ng	0.00
23) Nitrobenzene-d5	8.981	82	971729	79.170	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	716872	115.252	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	2431662	75.043	ng	0.00
79) Terphenyl-d14	19.780	244	3582542	61.290	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.028	94	32621	2.100	ng	# 46
31) Naphthalene	10.669	128	120704	3.189	ng	99
49) Acenaphthylene	14.187	152	99240	2.450	ng	98
52) Acenaphthene	14.528	154	105634	4.397	ng	97
55) Dibenzofuran	14.869	168	120373	3.075	ng	98
58) Fluorene	15.516	166	148958	4.818	ng	99
71) Phenanthrene	17.263	178	2080720	42.352	ng	98
72) Anthracene	17.351	178	445387	9.037	ng	99
73) Carbazole	17.628	167	190739	4.501	ng	98
75) Fluoranthene	19.233	202	2818189	51.583	ng	96
78) Pyrene	19.586	202	2648156	38.466	ng	97
81) Benzo(a)anthracene	21.298	228	1459591	21.989	ng	100
83) Chrysene	21.345	228	1259340	19.572	ng	98
87) Indeno(1,2,3-cd)pyrene	26.221	276	908987	9.924	ng	# 94
88) Benzo(b)fluoranthene	22.986	252	1729295	23.295	ng	99
89) Benzo(k)fluoranthene	23.027	252	624288m	8.688	ng	
90) Benzo(a)pyrene	23.610	252	1309217	18.272	ng	99
91) Dibenzo(a,h)anthracene	26.227	278	244178m	3.135	ng	
92) Benzo(g,h,i)perylene	26.992	276	845417	11.117	ng	98

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

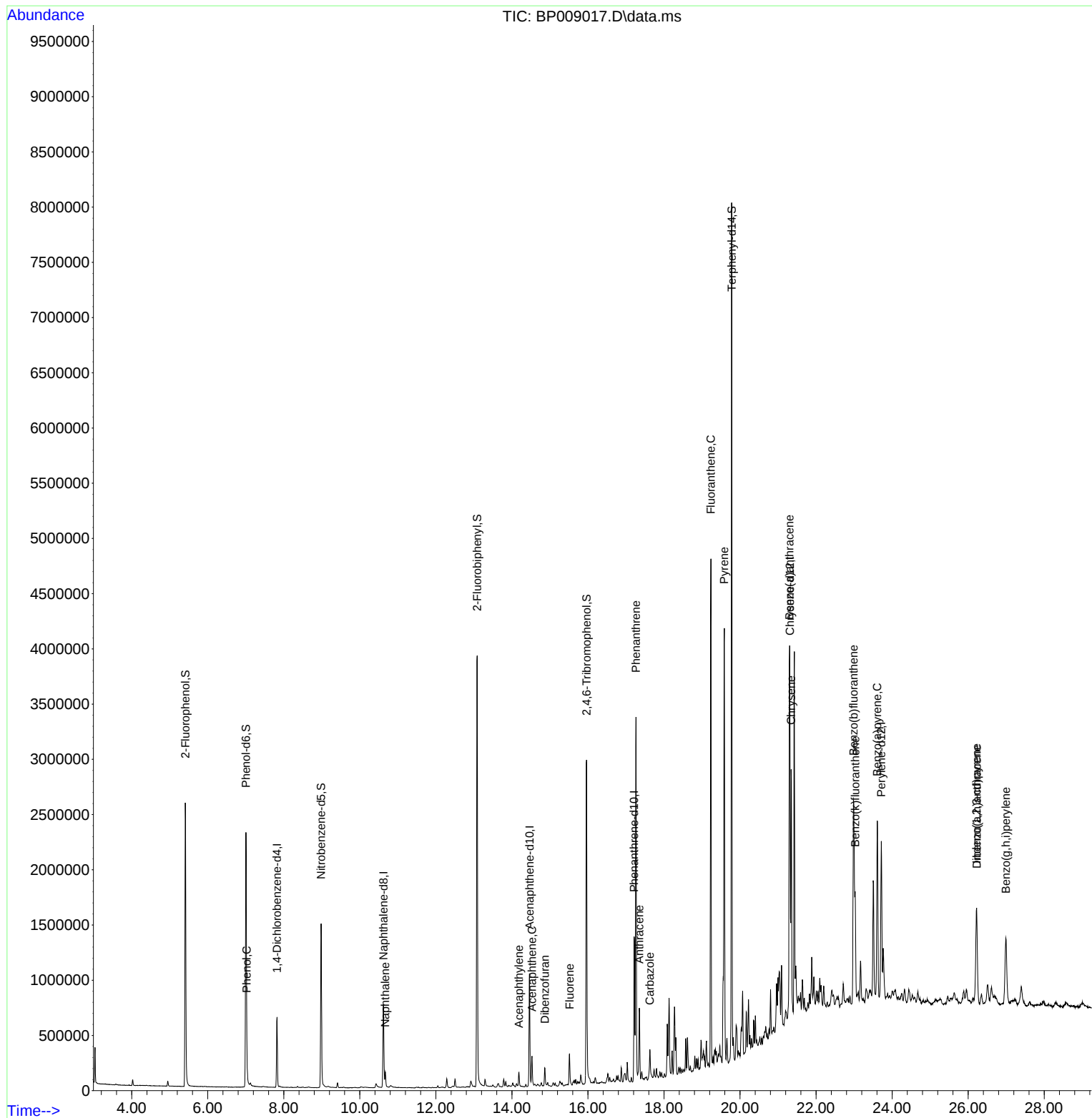
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020222\
Data File : BP009017.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

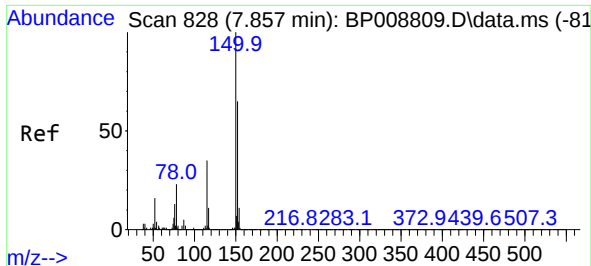
Instrument :
BNA_P
ClientSampleId :
F-PHC

Quant Time: Feb 03 06:27:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 03 06:20:22 2022
Response via : Initial Calibration

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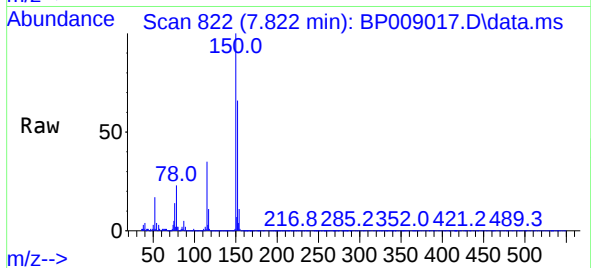
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

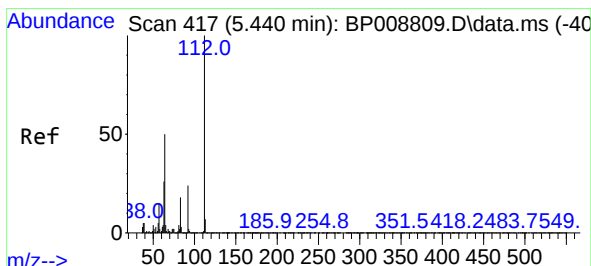
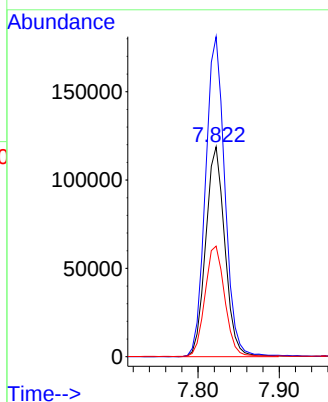
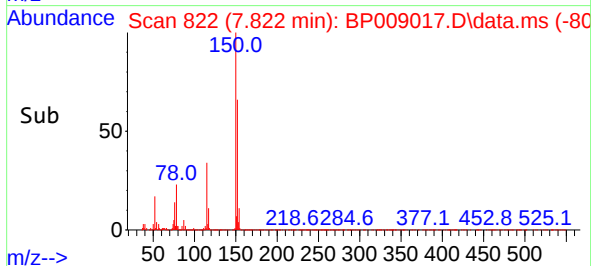
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BNA_P
ClientSampleId :
F-PHC



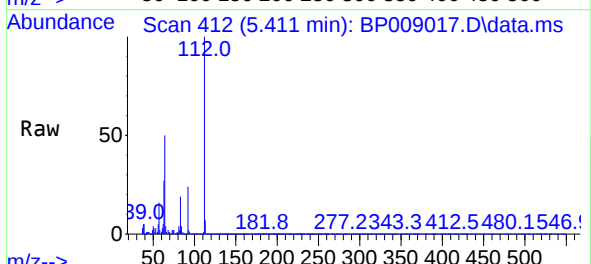
Tgt Ion:152 Resp: 194620
Ion Ratio Lower Upper
152 100
150 152.4 127.0 190.6
115 52.6 43.7 65.5

Manual Integrations
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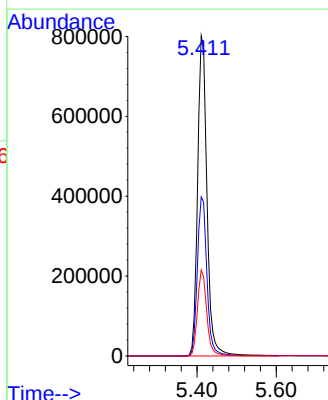
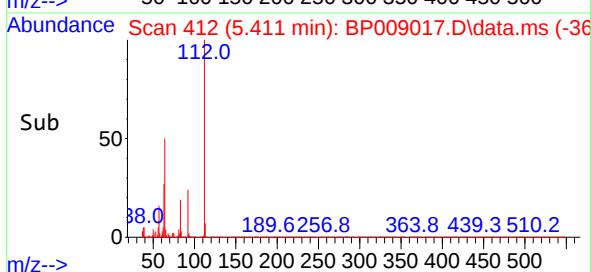
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

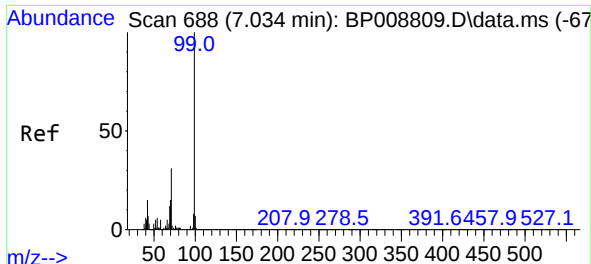


#5
2-Fluorophenol
Concen: 104.420 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.000 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04



Tgt Ion:112 Resp: 1314192
Ion Ratio Lower Upper
112 100
64 49.7 39.7 59.5
63 26.8 20.0 30.0





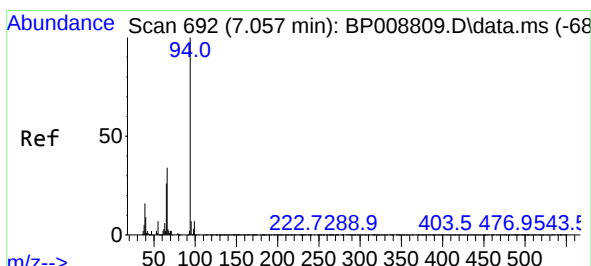
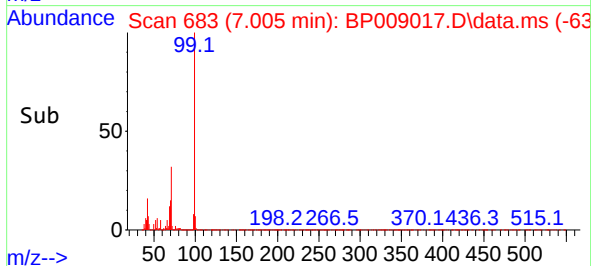
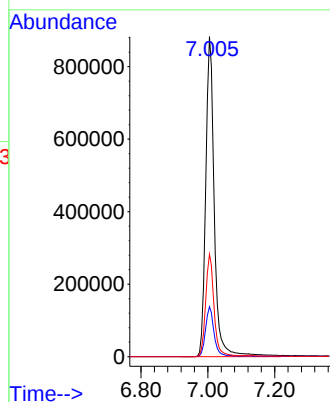
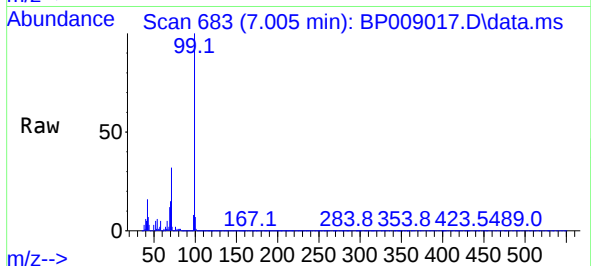
#7
Phenol-d6
Concen: 103.533 ng
RT: 7.005 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion: 99 Resp: 157789
Ion Ratio Lower Upper
99 100
42 15.6 10.8 16.2
71 32.0 23.8 35.6

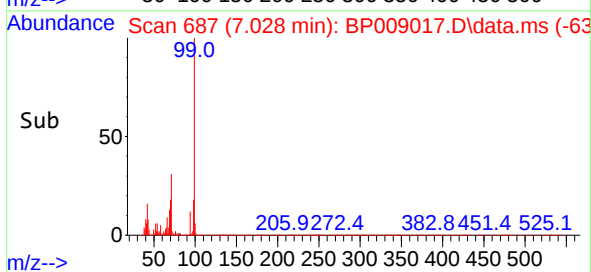
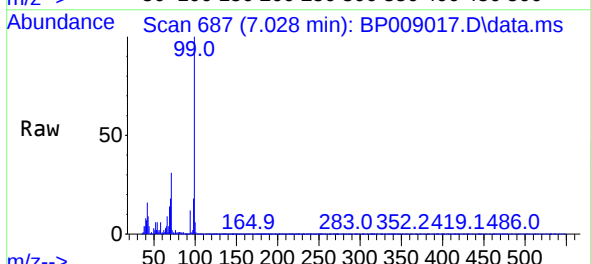
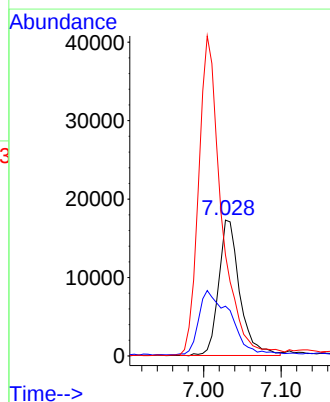
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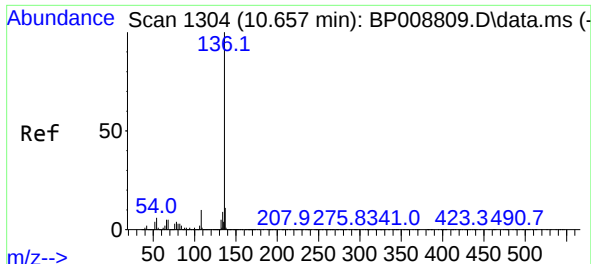
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#10
Phenol
Concen: 2.100 ng
RT: 7.028 min Scan# 687
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion: 94 Resp: 32621
Ion Ratio Lower Upper
94 100
65 36.7 4.1 44.1
66 74.3 12.4 52.4#





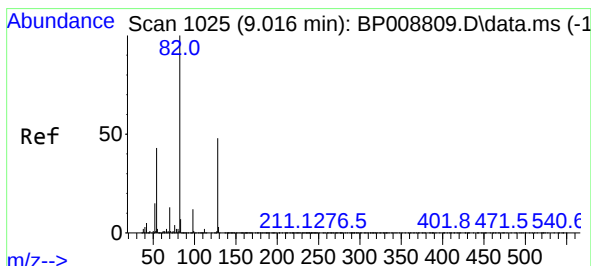
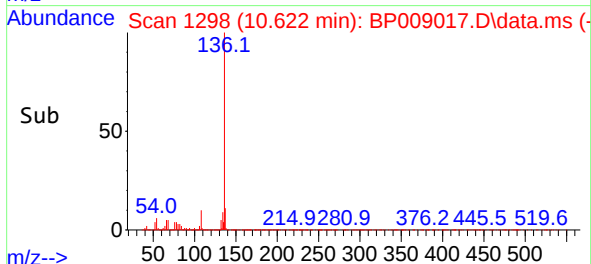
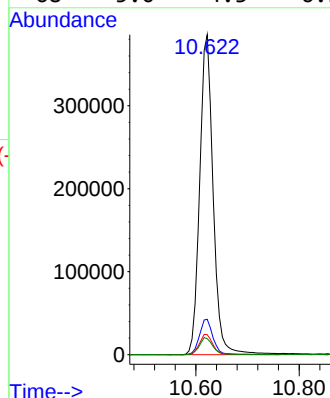
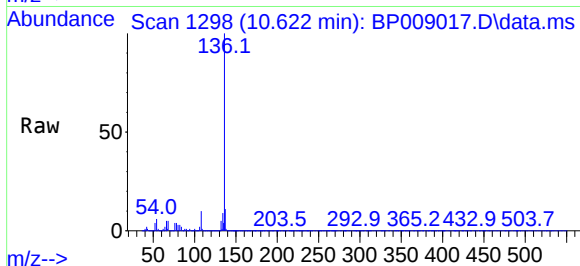
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
Client SampleId :
F-PHC

Tgt Ion:	136	Resp:	69683
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	6.3	4.9	7.3
68	5.0	4.3	6.5

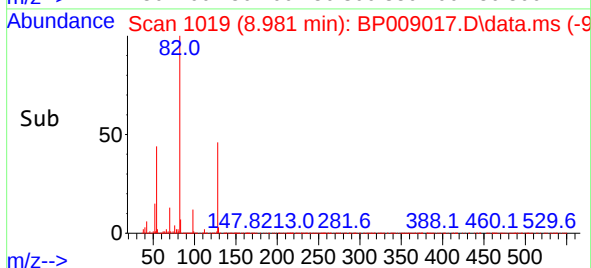
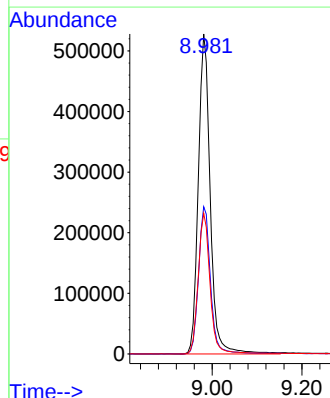
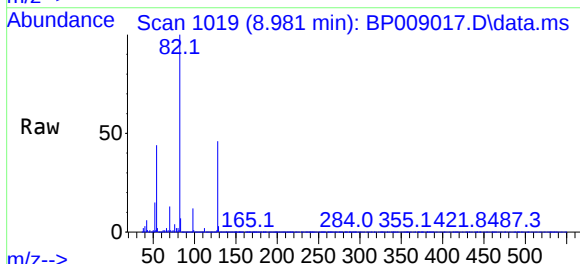
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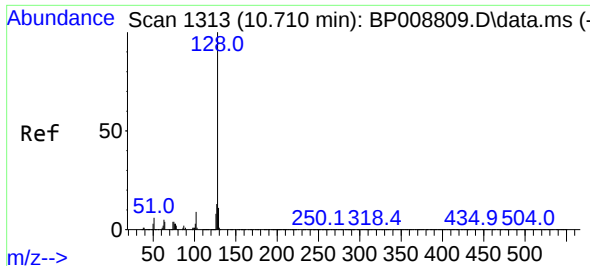
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Supervised By :Jagrut Upadhyay 02/04/2022



#23
Nitrobenzene-d5
Concen: 79.170 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:	82	Resp:	971729
Ion Ratio	Lower	Upper	
82	100		
128	46.0	39.4	59.2
54	44.0	32.6	48.8





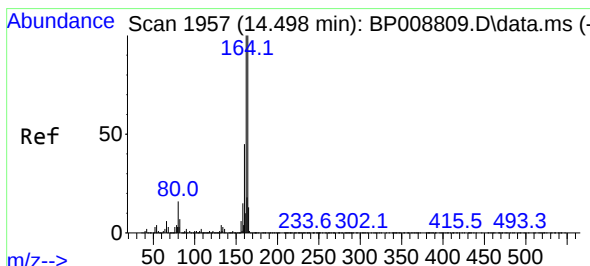
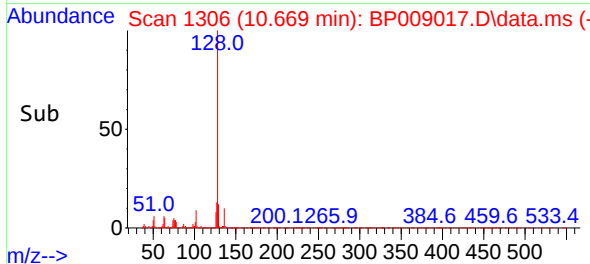
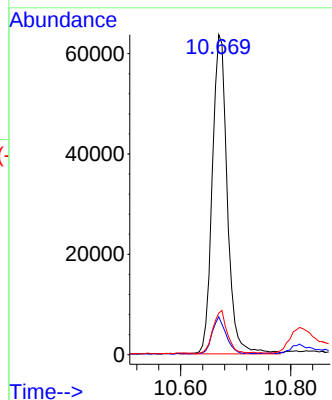
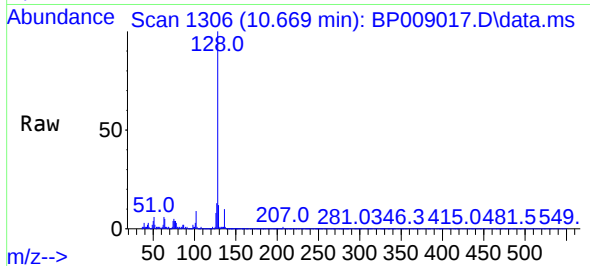
#31
Naphthalene
Concen: 3.189 ng
RT: 10.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:128 Resp: 120704
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.0 10.4 15.6

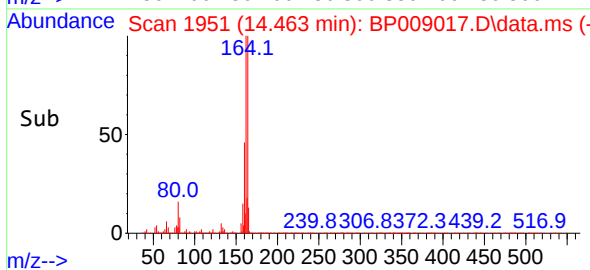
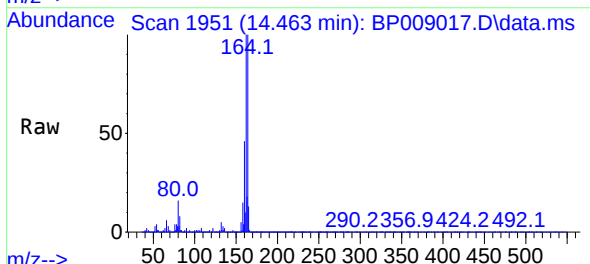
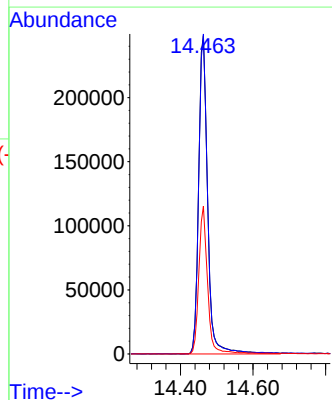
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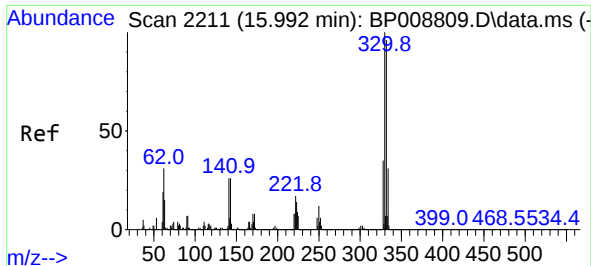
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:164 Resp: 427318
Ion Ratio Lower Upper
164 100
162 100.5 79.9 119.9
160 46.4 35.5 53.3





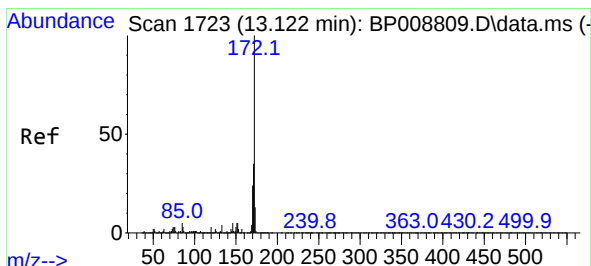
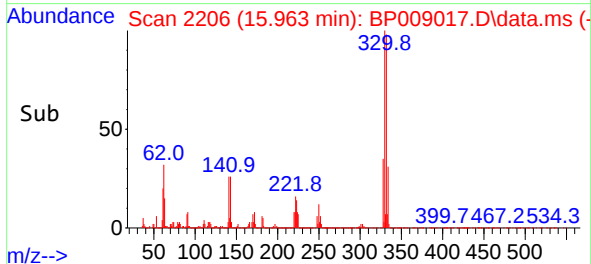
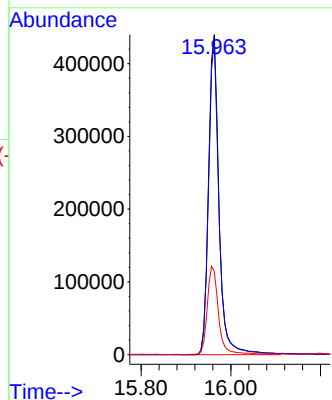
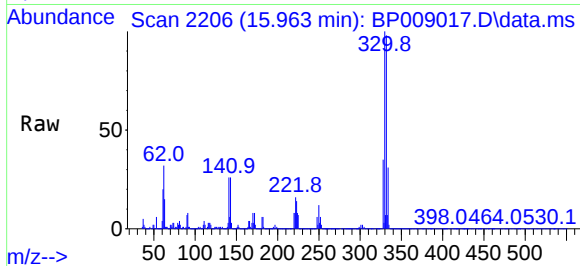
#42
2,4,6-Tribromophenol
Concen: 115.252 ng
RT: 15.963 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:330 Resp: 716872
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 29.2 21.3 31.9

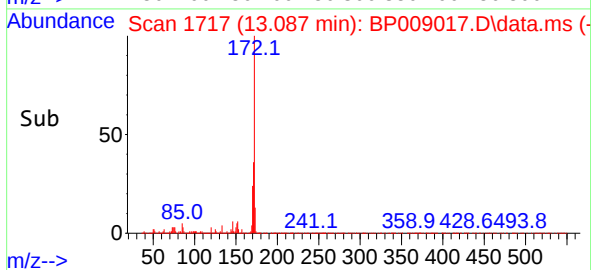
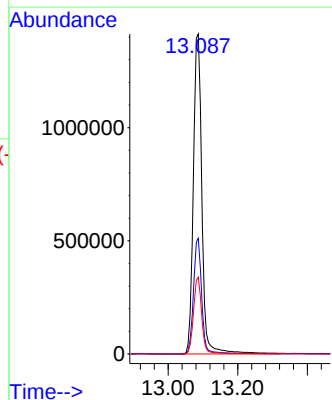
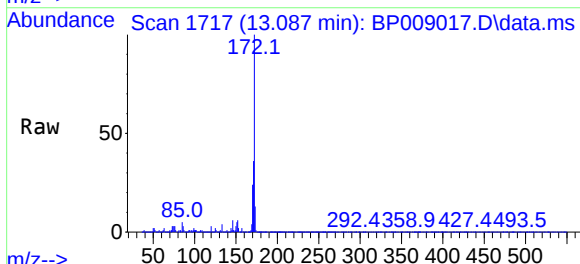
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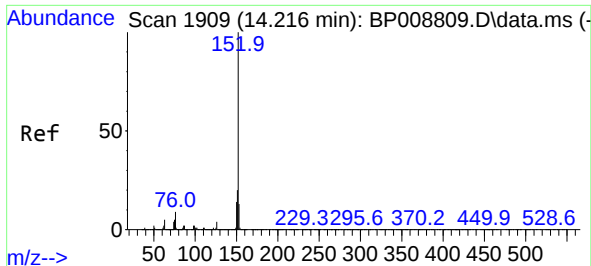
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#45
2-Fluorobiphenyl
Concen: 75.043 ng
RT: 13.087 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:172 Resp: 2431662
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 24.0 19.5 29.3





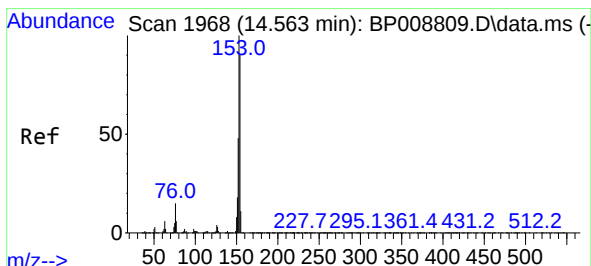
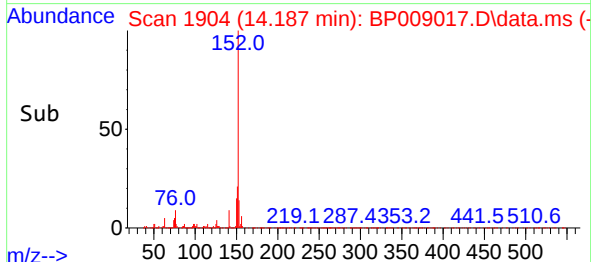
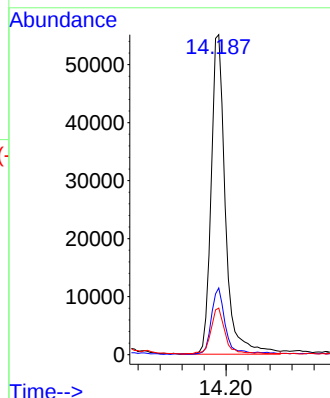
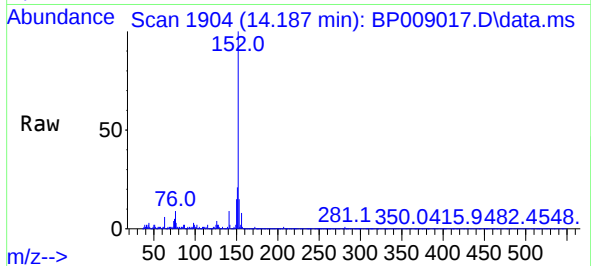
#49
Acenaphthylene
Concen: 2.450 ng
RT: 14.187 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:152 Resp: 99240
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1
153 14.6 10.6 16.0

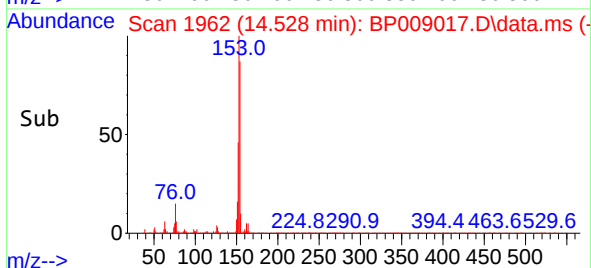
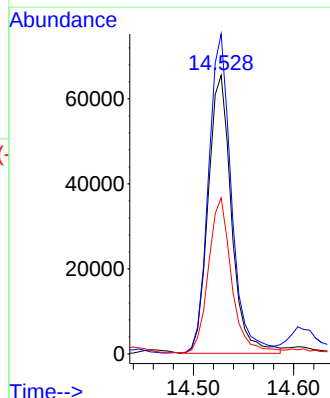
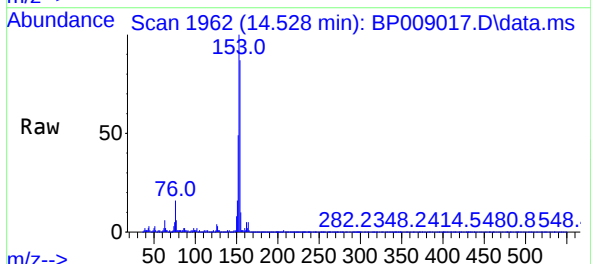
Manual Integrations
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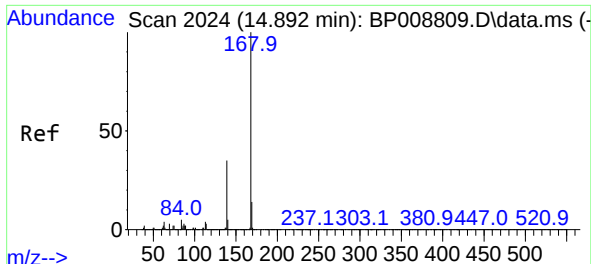
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#52
Acenaphthene
Concen: 4.397 ng
RT: 14.528 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

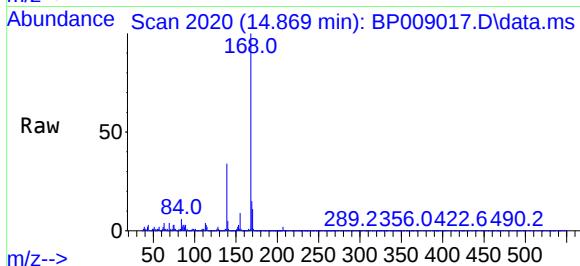
Tgt Ion:154 Resp: 105634
Ion Ratio Lower Upper
154 100
153 114.8 89.4 134.2
152 56.0 42.6 63.8





#55
Dibenzenofuran
Concen: 3.075 ng
RT: 14.869 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

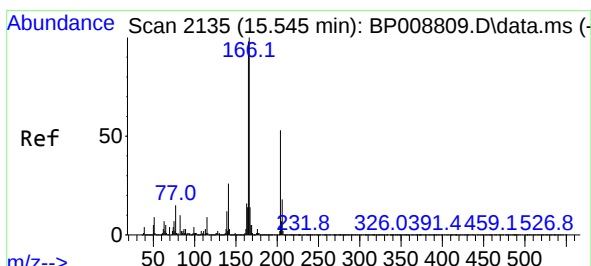
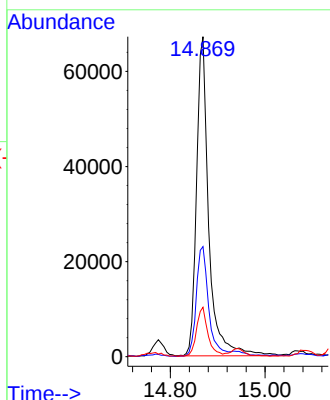
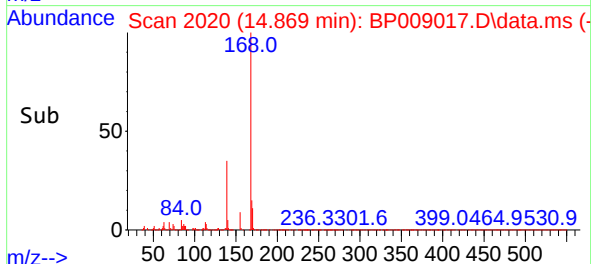
Instrument :
BNA_P
ClientSampleId :
F-PHC



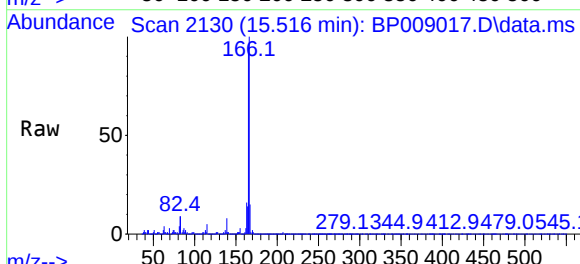
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Ion Ratio Lower Upper
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139 34.4 27.4 41.0
169 15.4 10.9 16.3

Manual Integrations
APPROVED

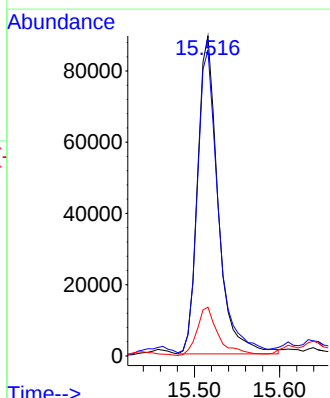
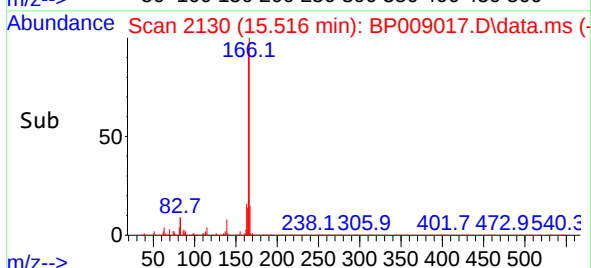
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022

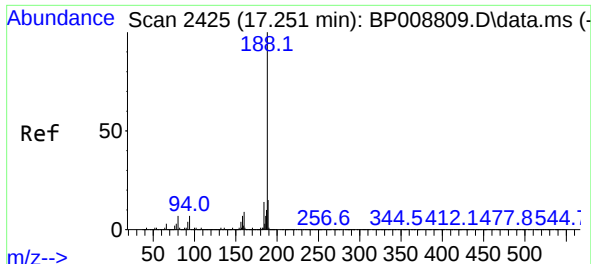


#58
Fluorene
Concen: 4.818 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04



Tgt Ion:166 Resp: 148958
Ion Ratio Lower Upper
166 100
165 95.5 77.2 115.8
167 15.2 11.2 16.8





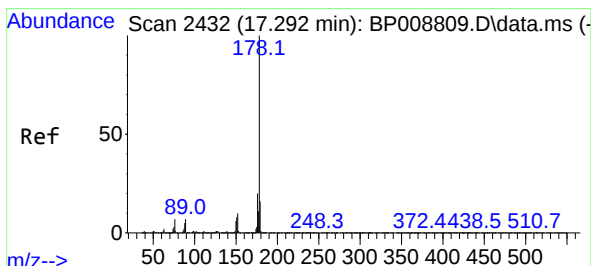
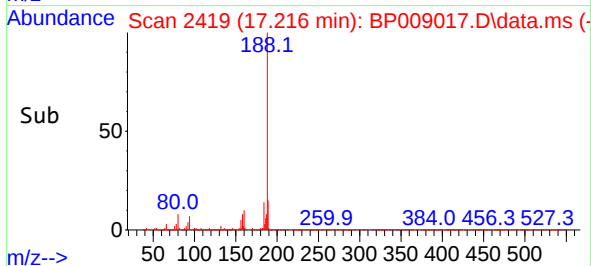
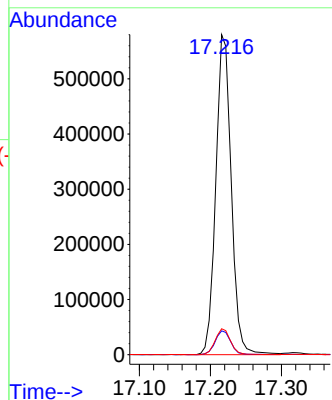
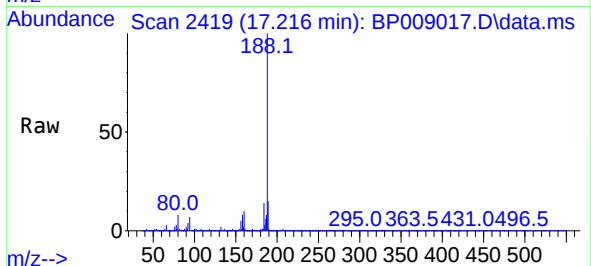
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:188 Resp: 872580
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 8.1 7.2 10.8

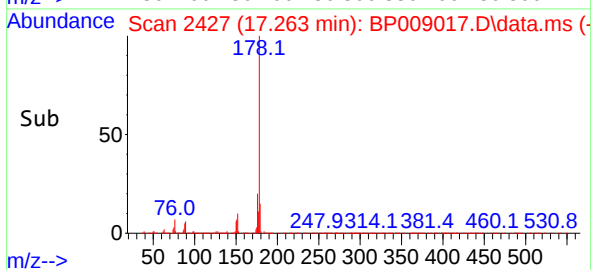
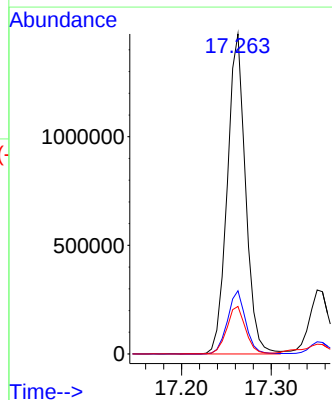
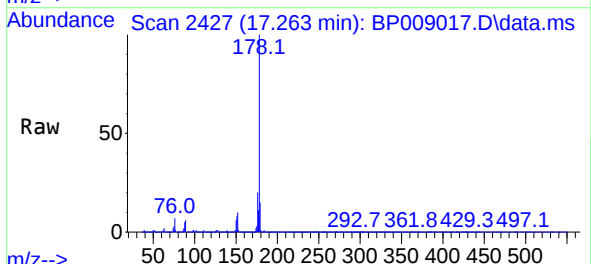
Manual Integrations
APPROVED

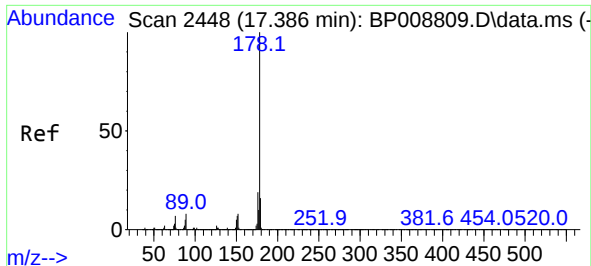
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#71
Phenanthrene
Concen: 42.352 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

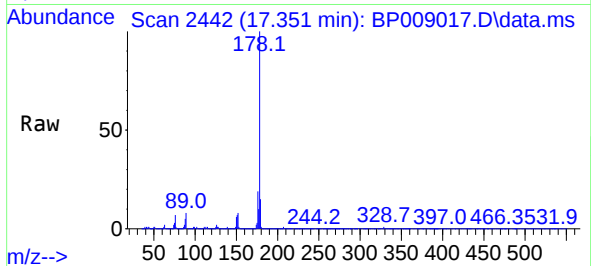
Tgt Ion:178 Resp: 2080720
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 14.9 13.0 19.4





#72
 Anthracene
 Concen: 9.037 ng
 RT: 17.351 min Scan# 2448
 Delta R.T. -0.006 min
 Lab File: BP009017.D
 Acq: 02 Feb 2022 21:04

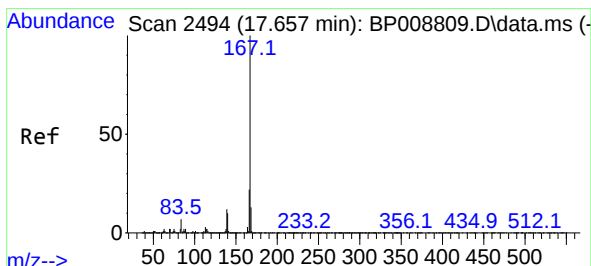
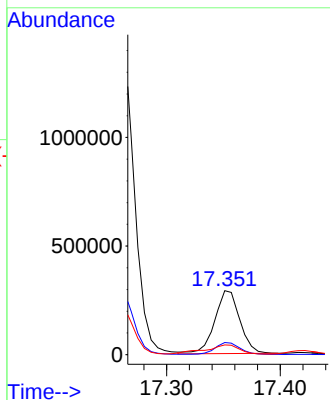
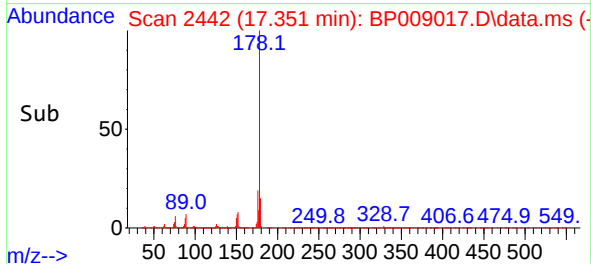
Instrument :
 BNA_P
 ClientSampleId :
 F-PHC



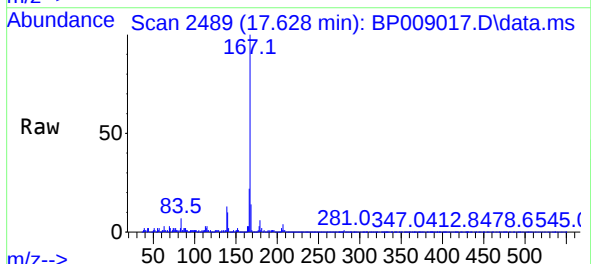
Tgt Ion:178 Resp: 44538
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.1 22.7
 179 15.4 12.8 19.2

Manual Integrations
 APPROVED

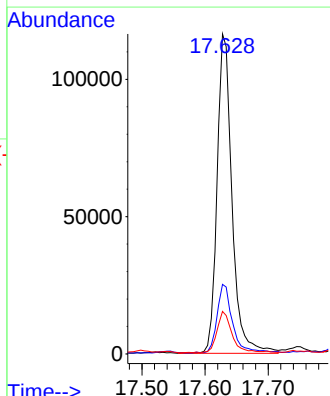
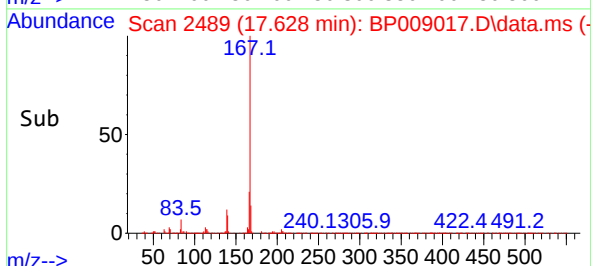
Reviewed By :Christian Giraldo 02/03/2022
 Supervised By :Jagrut Upadhyay 02/04/2022

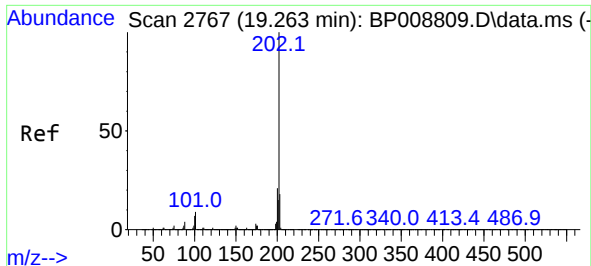


#73
 Carbazole
 Concen: 4.501 ng
 RT: 17.628 min Scan# 2489
 Delta R.T. -0.006 min
 Lab File: BP009017.D
 Acq: 02 Feb 2022 21:04



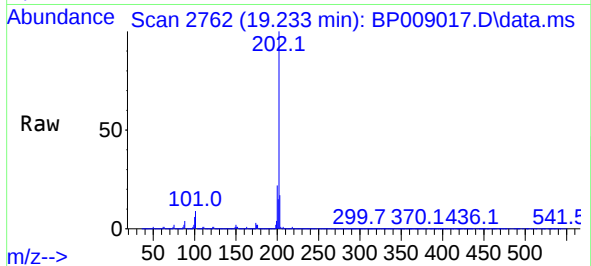
Tgt Ion:167 Resp: 190739
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.7 26.5
 139 13.3 9.8 14.6





#75
Fluoranthene
Concen: 51.583 ng
RT: 19.233 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

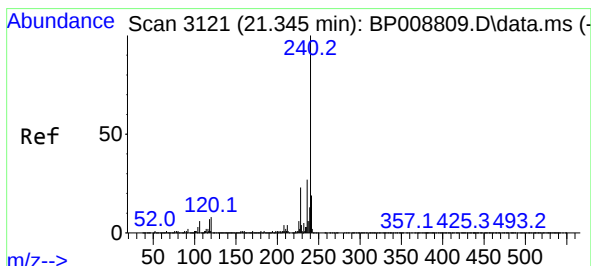
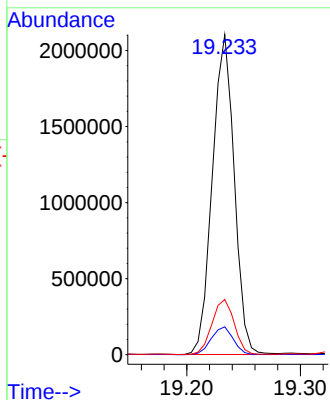
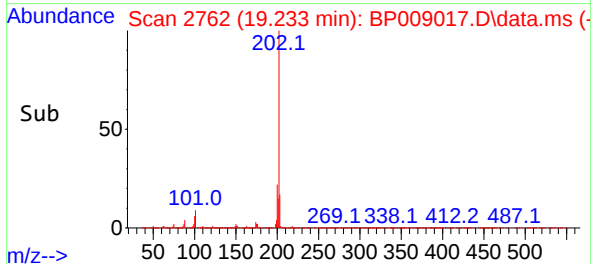
Instrument :
BNA_P
ClientSampleId :
F-PHC



Tgt Ion:202 Resp: 2818189
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.7
203 17.3 0.0 38.9

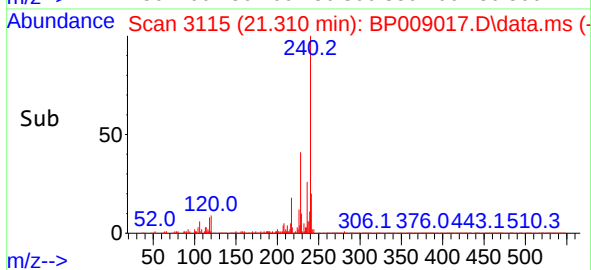
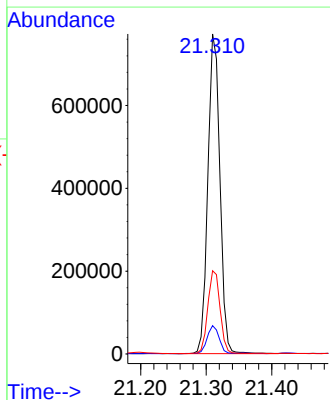
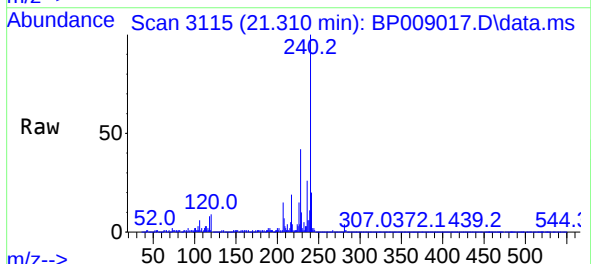
Manual Integrations
APPROVED

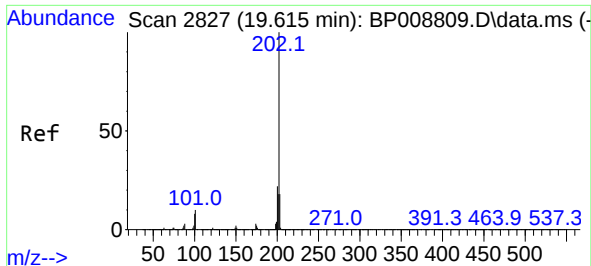
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:240 Resp: 986642
Ion Ratio Lower Upper
240 100
120 8.9 7.7 11.5
236 26.0 21.2 31.8





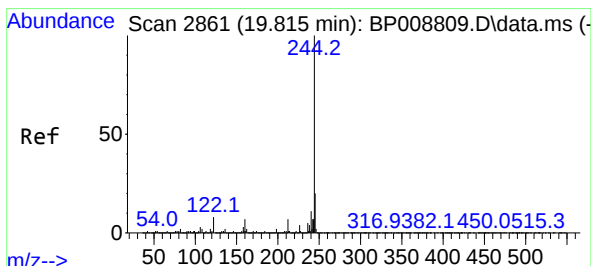
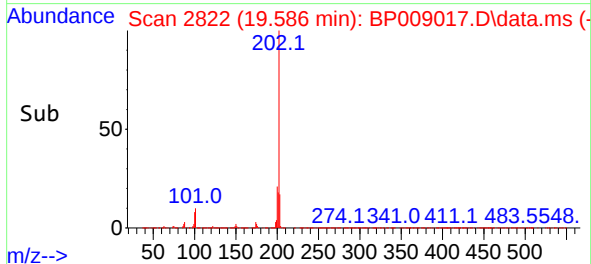
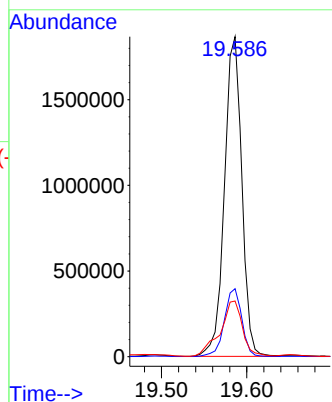
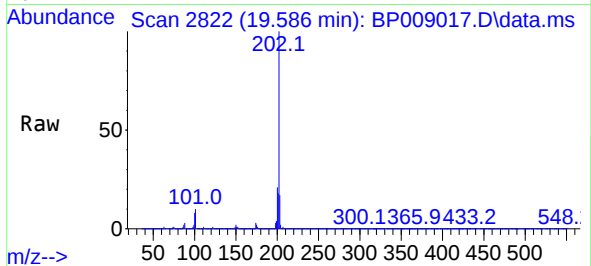
#78
Pyrene
Concen: 38.466 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:202 Resp: 2648150
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 17.4 15.0 22.6

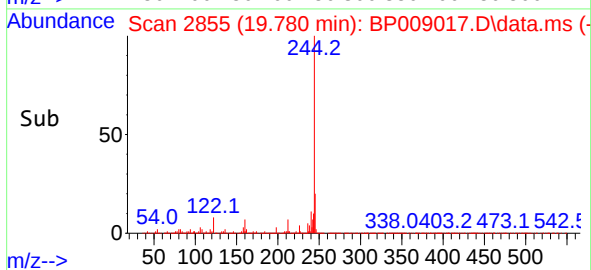
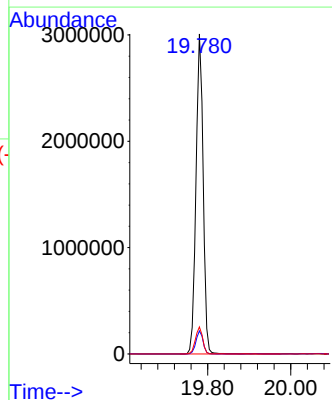
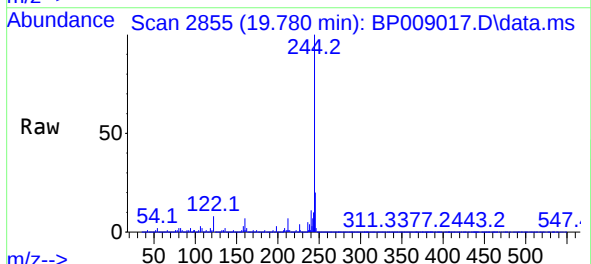
Manual Integrations
APPROVED

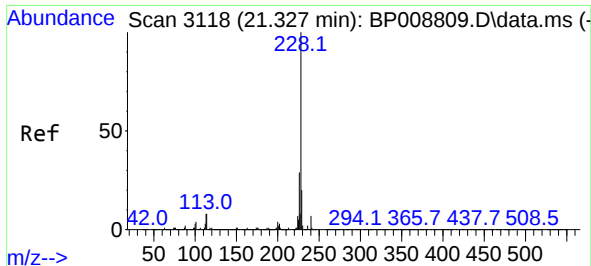
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#79
Terphenyl-d14
Concen: 61.290 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:244 Resp: 3582542
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 8.4 9.2 13.8#





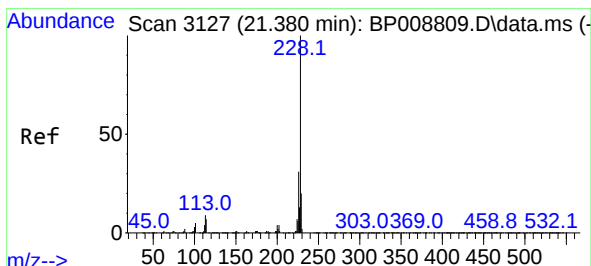
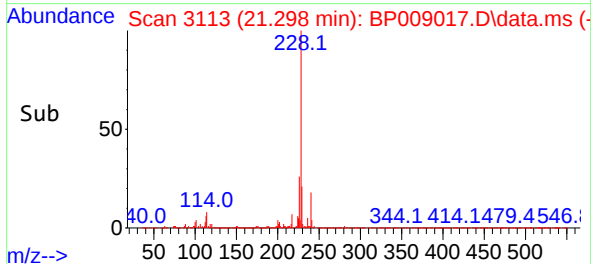
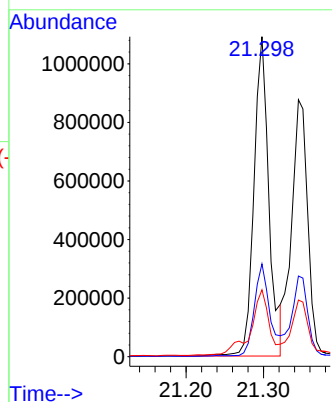
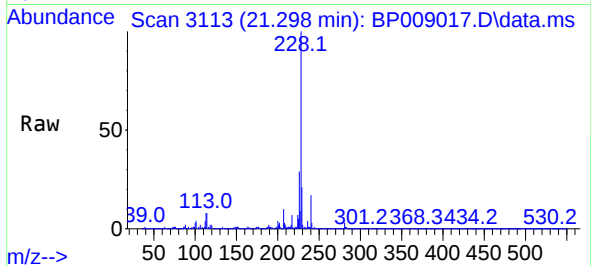
#81
Benzo(a)anthracene
Concen: 21.989 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:228 Resp: 145959
Ion Ratio Lower Upper
228 100
226 29.0 23.3 34.9
229 20.9 17.0 25.6

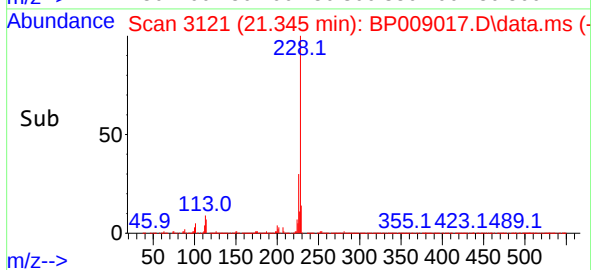
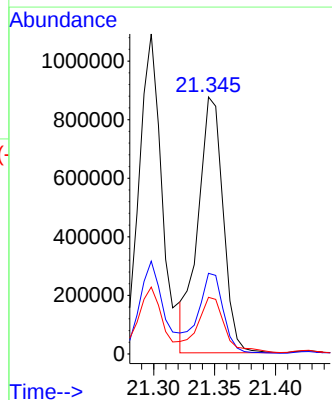
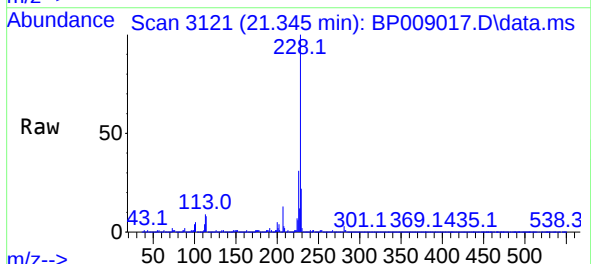
Manual Integrations
APPROVED

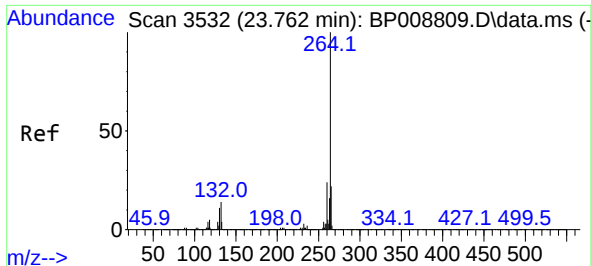
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#83
Chrysene
Concen: 19.572 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:228 Resp: 1259340
Ion Ratio Lower Upper
228 100
226 31.4 26.0 39.0
229 22.0 16.9 25.3





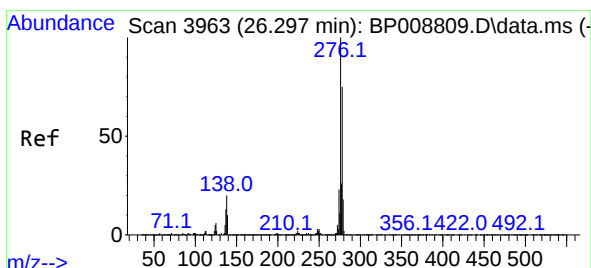
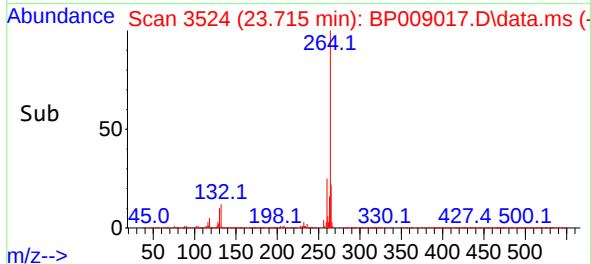
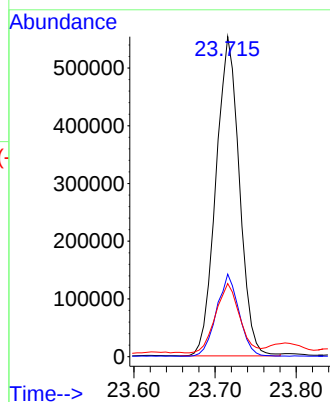
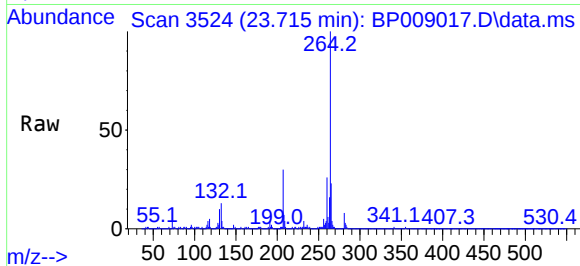
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 311157
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:264 Resp: 111157
Ion Ratio Lower Upper
264 100
260 25.8 19.1 28.7
265 22.9 17.1 25.7

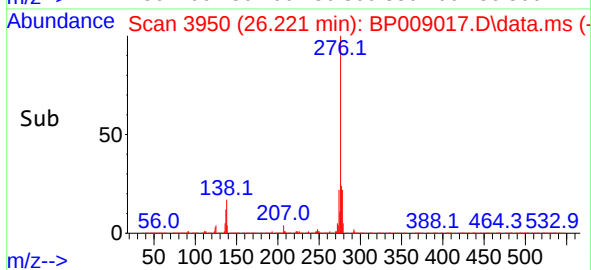
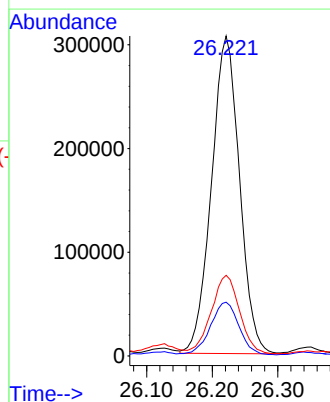
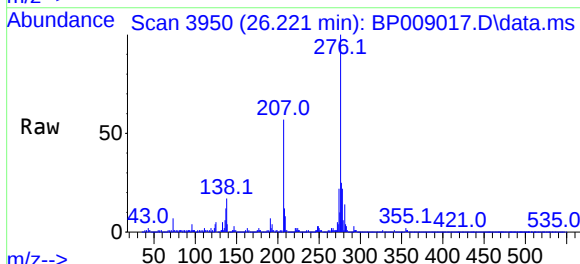
Manual Integrations
APPROVED

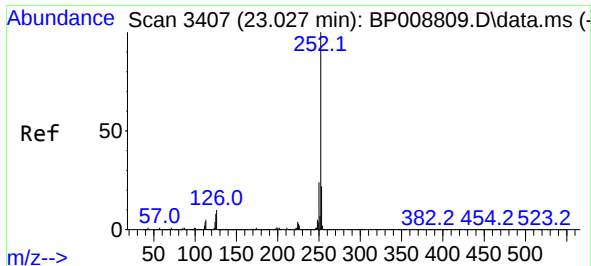
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.924 ng
RT: 26.221 min Scan# 3950
Delta R.T. -0.023 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:276 Resp: 908987
Ion Ratio Lower Upper
276 100
138 16.9 17.8 26.6#
277 24.9 20.4 30.6





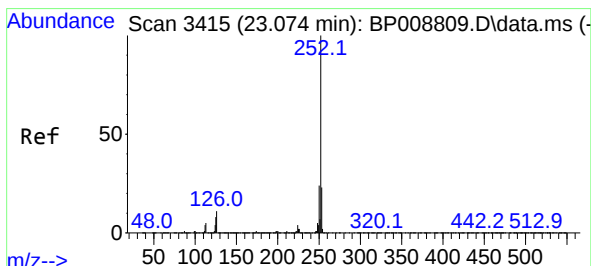
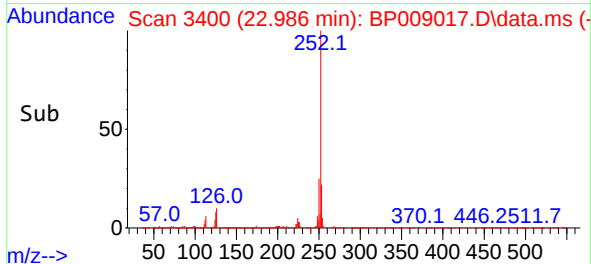
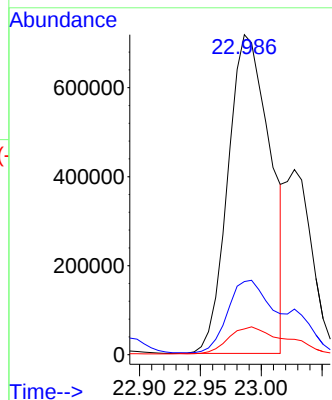
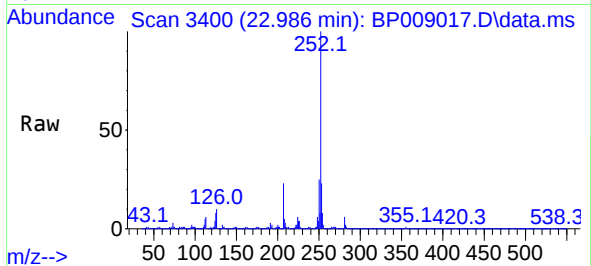
#88
Benzo(b)fluoranthene
Concen: 23.295 ng
RT: 22.986 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:252 Resp: 172929
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 8.1 6.9 10.3

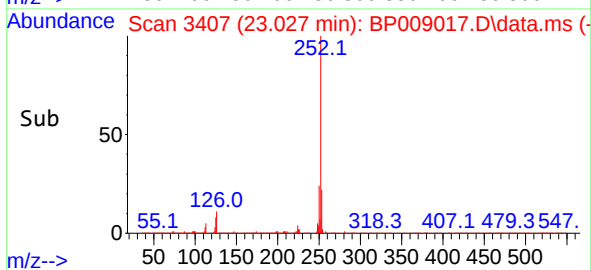
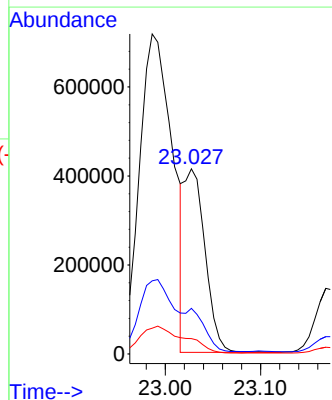
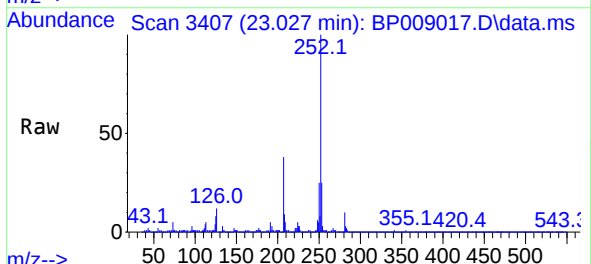
Manual Integrations
APPROVED

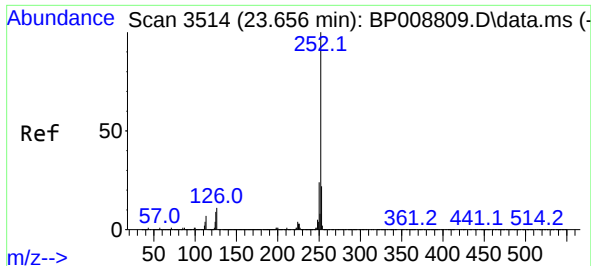
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#89
Benzo(k)fluoranthene
Concen: 8.688 ng m
RT: 23.027 min Scan# 3407
Delta R.T. -0.012 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Tgt Ion:252 Resp: 624288
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 8.3 7.3 10.9





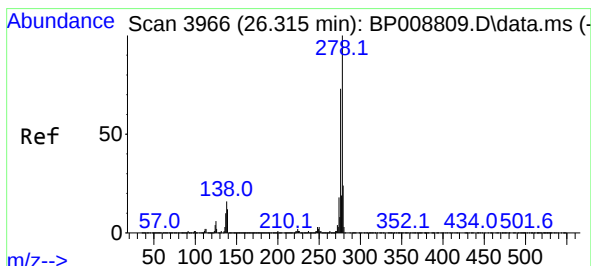
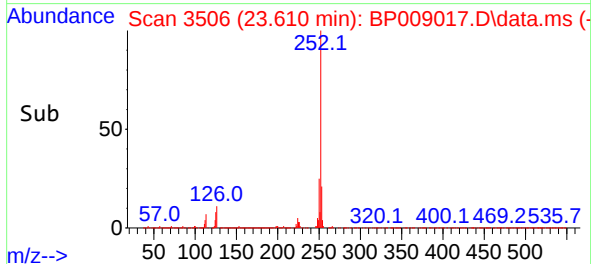
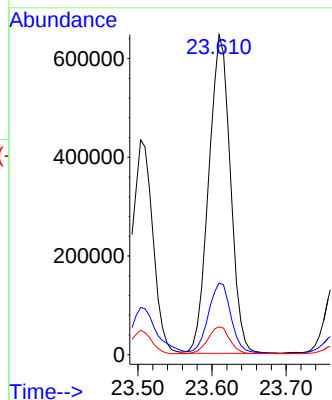
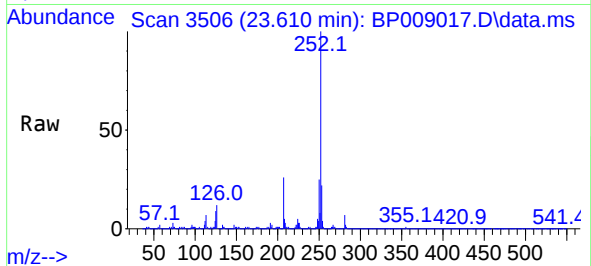
#90
Benzo(a)pyrene
Concen: 18.272 ng
RT: 23.610 min Scan# 310
Delta R.T. -0.012 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

Instrument :
BNA_P
ClientSampleId :
F-PHC

Tgt Ion:252 Resp: 130921
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 8.7 7.8 11.6

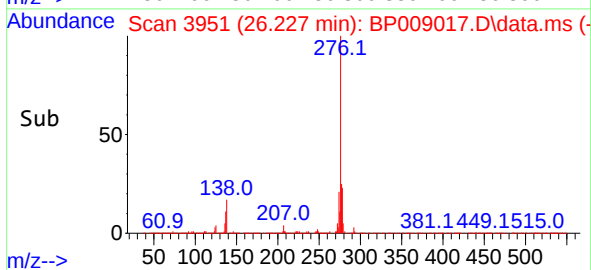
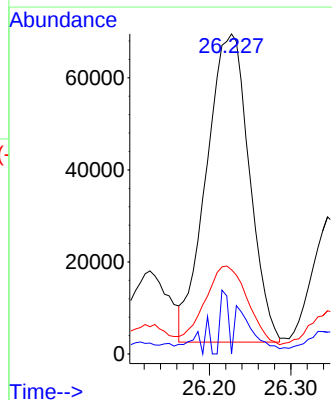
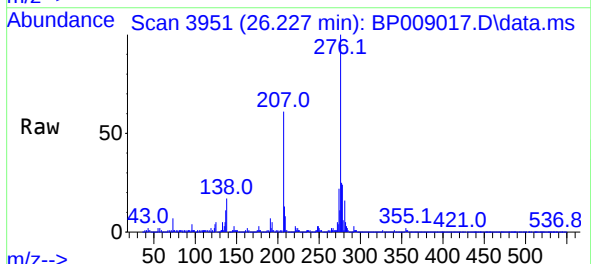
Manual Integrations
APPROVED

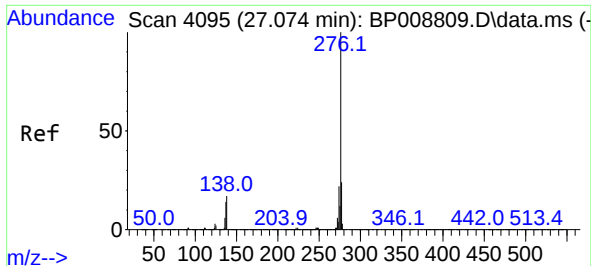
Reviewed By :Christian Giraldo 02/03/2022
Supervised By :Jagrut Upadhyay 02/04/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.135 ng m
RT: 26.227 min Scan# 3951
Delta R.T. -0.029 min
Lab File: BP009017.D
Acq: 02 Feb 2022 21:04

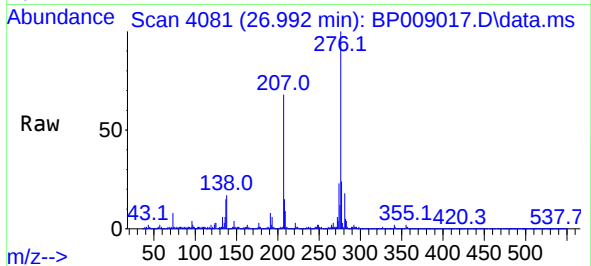
Tgt Ion:278 Resp: 244178
Ion Ratio Lower Upper
278 100
139 0.0 11.5 17.3#
279 26.3 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 11.117 ng
 RT: 26.992 min Scan# 40
 Delta R.T. -0.023 min
 Lab File: BP009017.D
 Acq: 02 Feb 2022 21:04

Instrument :
 BNA_P
 ClientSampleId :
 F-PHC



Tgt Ion: 276 Resp: 84541

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	16.9	15.0	22.4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2022
 Supervised By : Jagrut Upadhyay 02/04/2022

