

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120321\
 Data File : BP008218.D
 Acq On : 03 Dec 2021 22:31
 Operator : CG/JU
 Sample : M4920-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FDR-20211202-WC-S

Quant Time: Dec 06 00:01:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 03 14:39:24 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2021
 Supervised By :Sohil Jodhani 12/06/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	116313	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	452595	20.000	ng	0.00
39) Acenaphthene-d10	14.440	164	303406	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	586641	20.000	ng	# 0.00
76) Chrysene-d12	21.316	240	455970	20.000	ng	0.00
86) Perylene-d12	23.710	264	477806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	184389	25.525	ng	0.00
7) Phenol-d6	6.981	99	230753	23.662	ng	0.00
23) Nitrobenzene-d5	8.952	82	160819	16.158	ng	-0.01
42) 2,4,6-Tribromophenol	15.945	330	99682	25.704	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	360152	17.242	ng	0.00
79) Terphenyl-d14	19.781	244	489171	22.421	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.640	128	705328	30.422	ng	100
37) 2-Methylnaphthalene	12.257	142	162915	9.935	ng	98
38) 1-Methylnaphthalene	12.475	142	93524	5.859	ng	99
46) 1,1'-Biphenyl	13.269	154	60939	2.768	ng	96
52) Acenaphthene	14.504	154	438783	27.453	ng	100
55) Dibenzofuran	14.846	168	431291	15.791	ng	99
58) Fluorene	15.498	166	507500	22.870	ng	99
71) Phenanthrene	17.257	178	3804295	122.824	ng	99
72) Anthracene	17.345	178	1071506	34.859	ng	99
73) Carbazole	17.616	167	428312	14.274	ng	98
75) Fluoranthene	19.239	202	4204389	100.763	ng	93
78) Pyrene	19.592	202	3261054	117.731	ng	98
81) Benzo(a)anthracene	21.298	228	1831049	60.591	ng	99
83) Chrysene	21.351	228	1568341	54.539	ng	97
87) Indeno(1,2,3-cd)pyrene	26.215	276	1034148	29.750	ng	# 94
88) Benzo(b)fluoranthene	22.986	252	2091003	72.593	ng	99
89) Benzo(k)fluoranthene	23.027	252	716386m	25.404	ng	
90) Benzo(a)pyrene	23.610	252	1497394m	60.824	ng	
91) Dibenzo(a,h)anthracene	26.215	278	294628	10.206	ng	95
92) Benzo(g,h,i)perylene	26.980	276	977409	33.560	ng	96

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

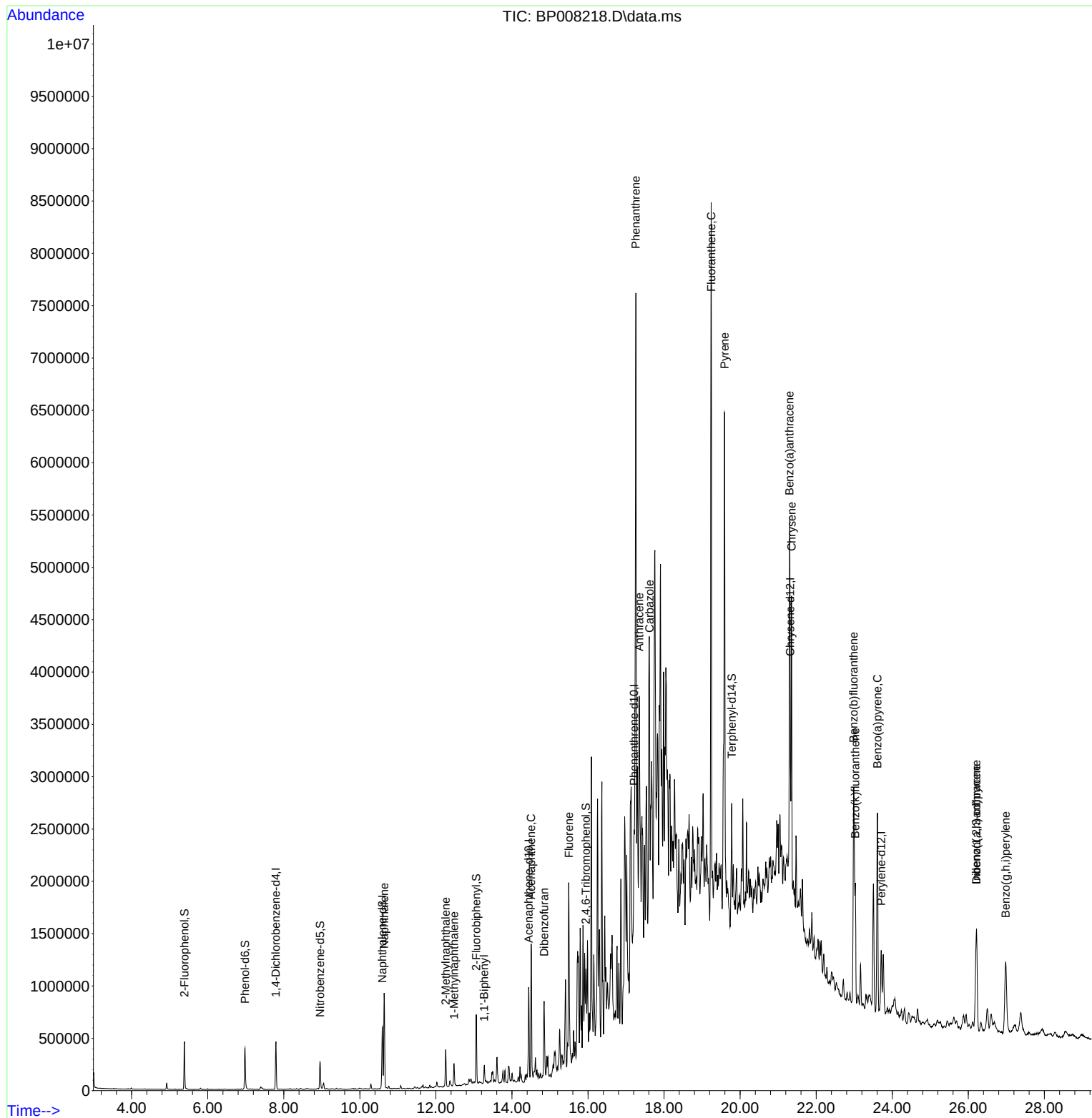
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120321\
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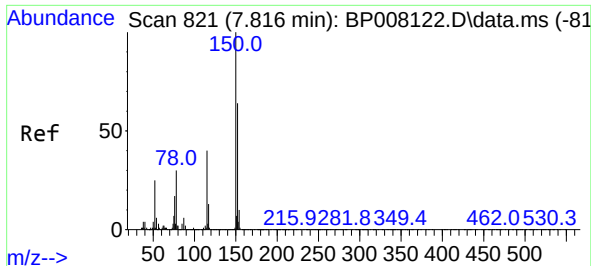
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S

Quant Time: Dec 06 00:01:36 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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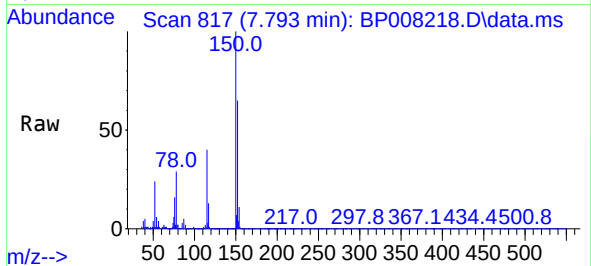
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

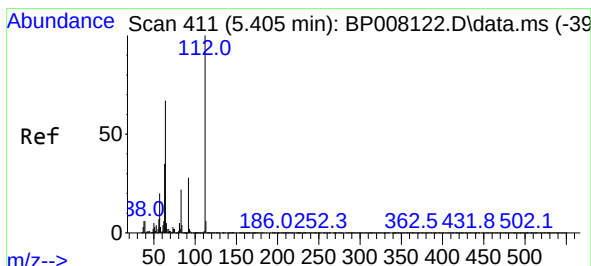
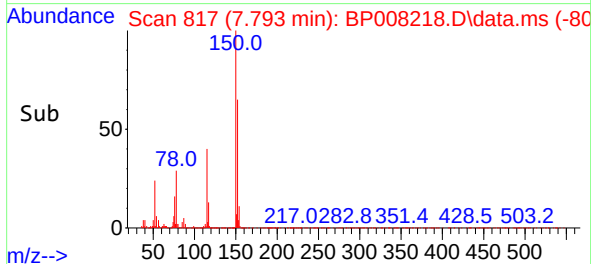
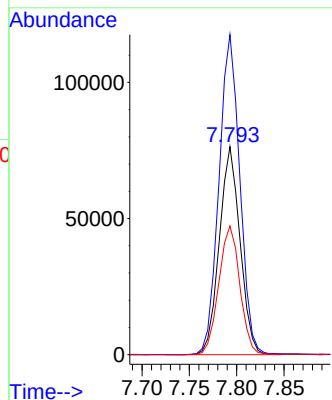
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:152 Resp: 11631
Ion Ratio Lower Upper
152 100
150 153.8 125.7 188.5
115 61.8 50.7 76.1

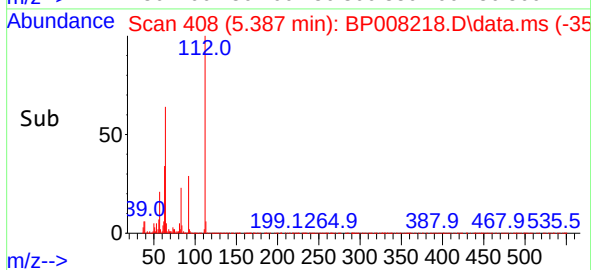
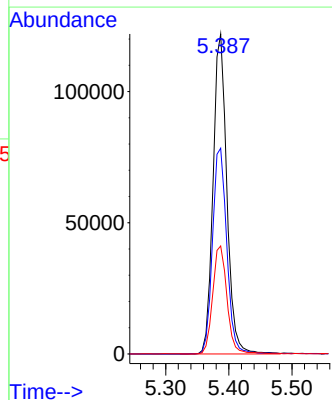
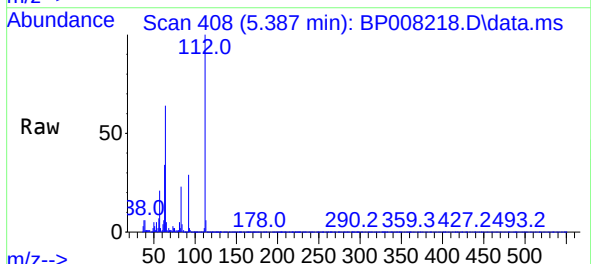
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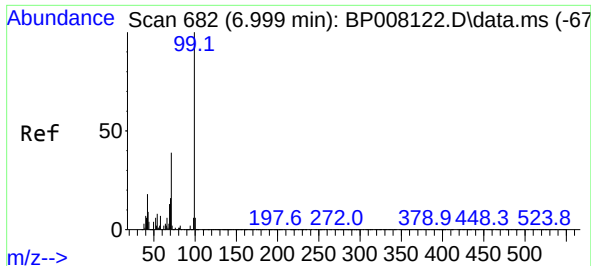
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#5
2-Fluorophenol
Concen: 25.525 ng
RT: 5.387 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

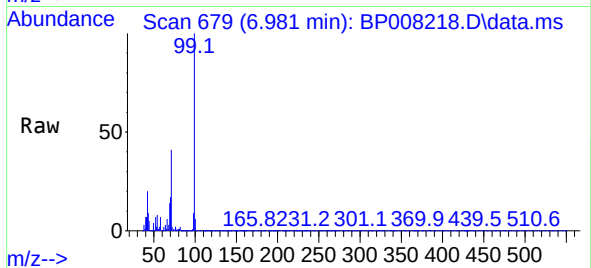
Tgt Ion:112 Resp: 184389
Ion Ratio Lower Upper
112 100
64 64.3 53.4 80.2
63 33.7 27.8 41.8





#7
Phenol-d6
Concen: 23.662 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

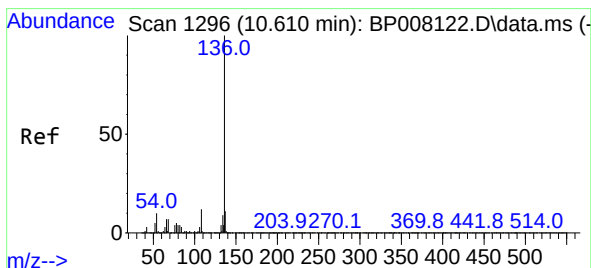
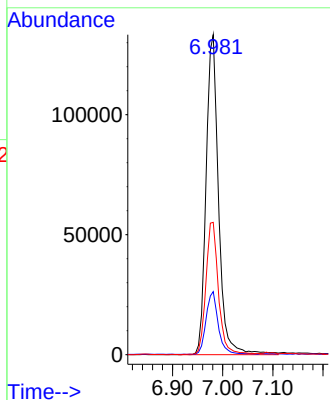
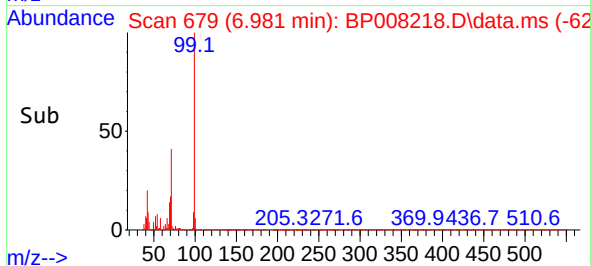
Instrument :
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ClientSampleId :
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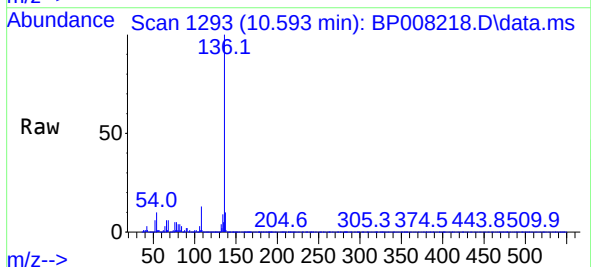
Tgt Ion: 99 Resp: 23075
Ion Ratio Lower Upper
99 100
42 19.7 14.6 22.0
71 41.4 31.1 46.7

Manual Integrations
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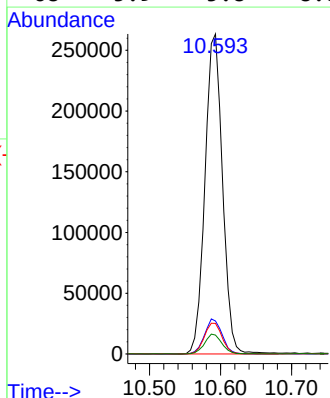
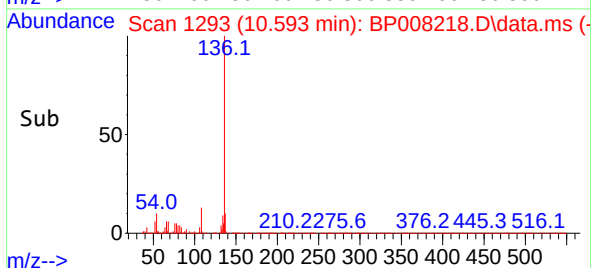
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021

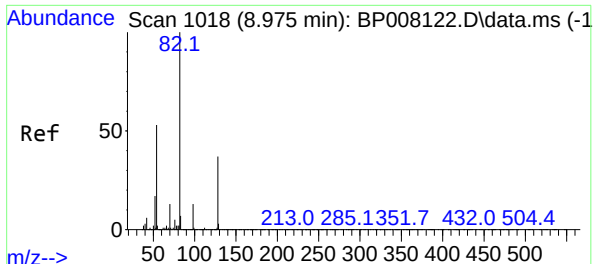


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31



Tgt Ion:136 Resp: 452595
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.6
54 9.5 8.2 12.4
68 5.9 5.8 8.8





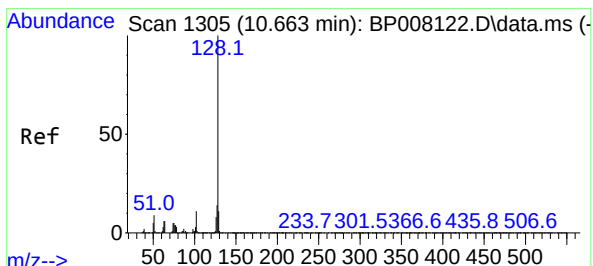
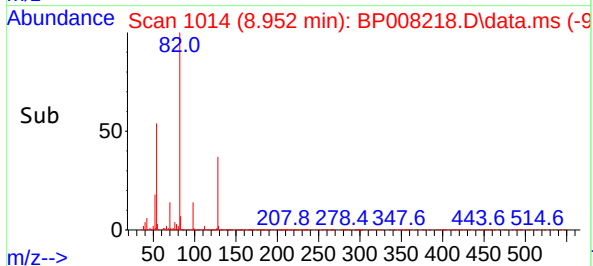
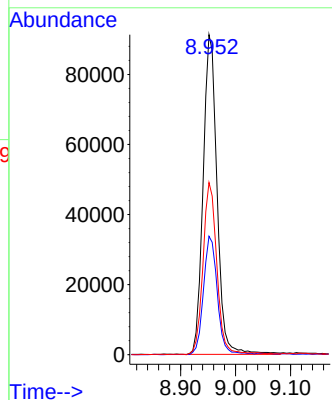
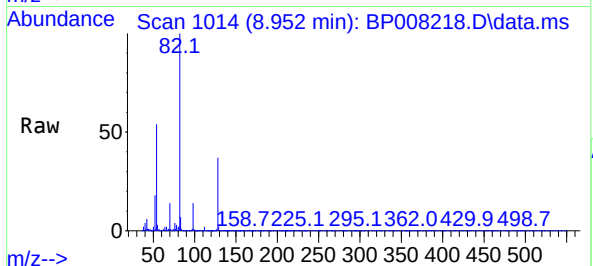
#23
Nitrobenzene-d5
Concen: 16.158 ng
RT: 8.952 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S

Tgt Ion: 82 Resp: 160819
Ion Ratio Lower Upper
82 100
128 37.0 29.6 44.4
54 53.8 42.7 64.1

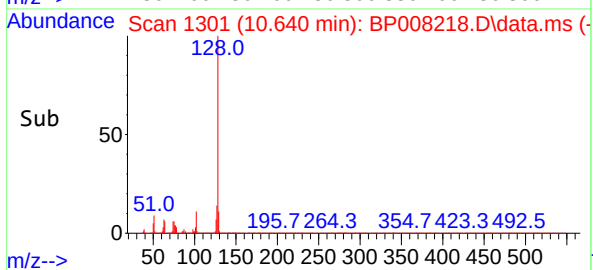
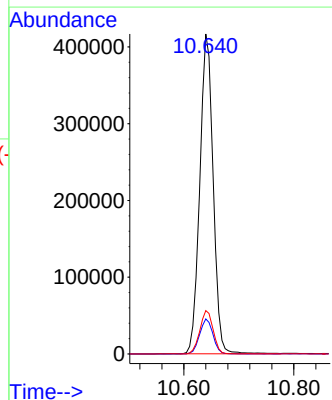
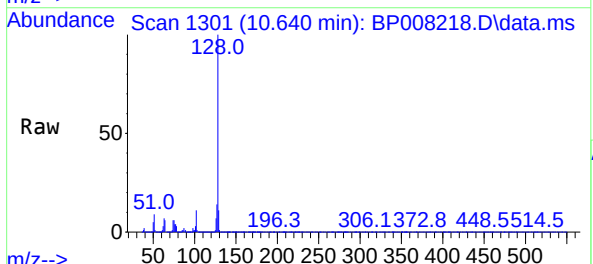
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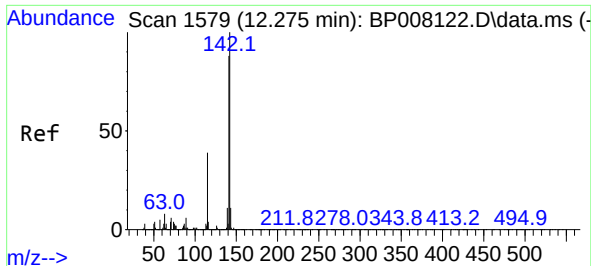
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#31
Naphthalene
Concen: 30.422 ng
RT: 10.640 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Tgt Ion:128 Resp: 705328
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.6 10.9 16.3





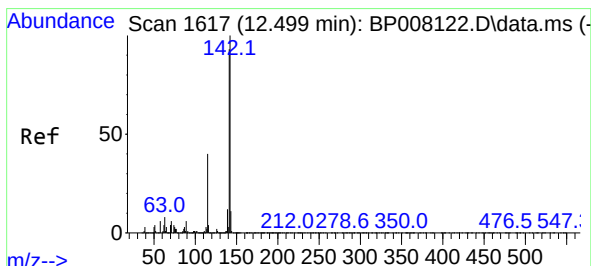
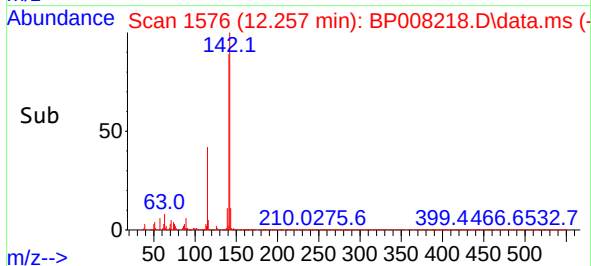
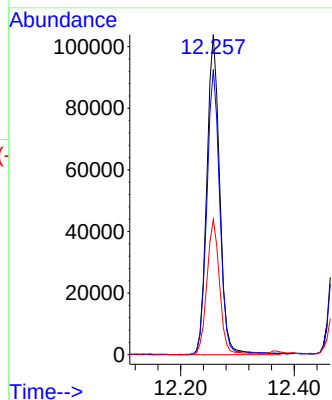
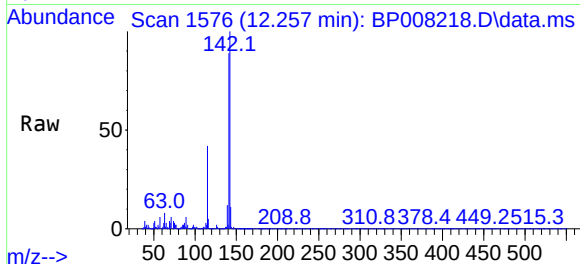
#37
2-Methylnaphthalene
Concen: 9.935 ng
RT: 12.257 min Scan# 16291
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S

Tgt Ion:142 Resp: 16291
Ion Ratio Lower Upper
142 100
141 89.1 70.7 106.1
115 42.3 30.9 46.3

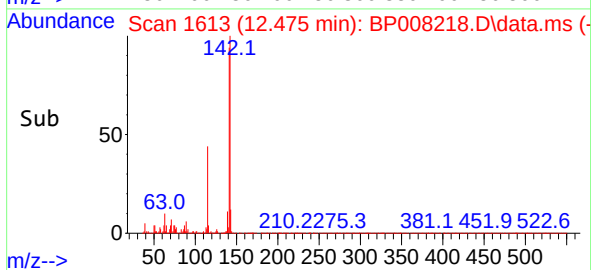
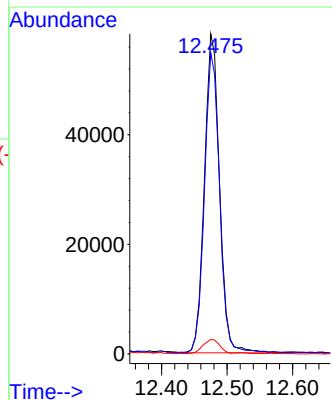
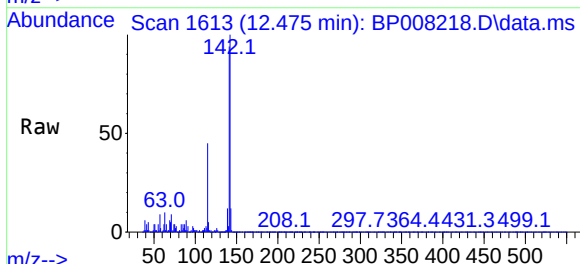
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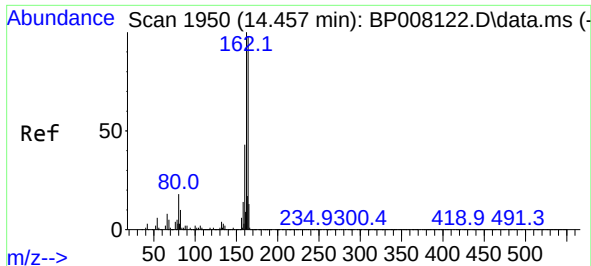
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#38
1-Methylnaphthalene
Concen: 5.859 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

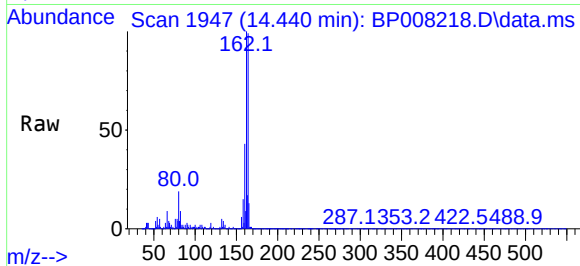
Tgt Ion:142 Resp: 93524
Ion Ratio Lower Upper
142 100
141 94.1 74.2 111.4
116 4.5 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

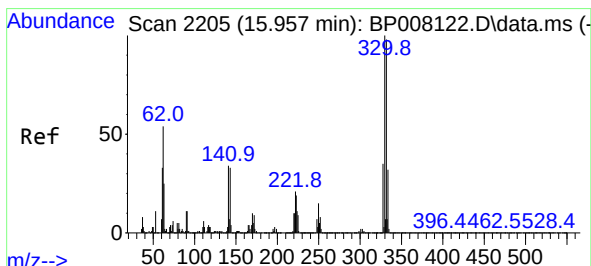
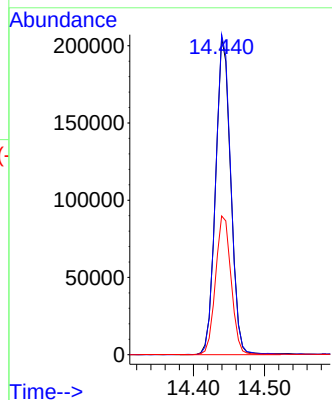
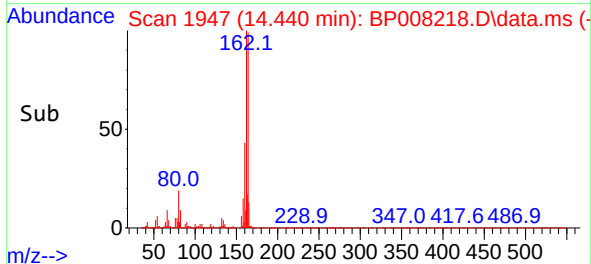
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:164 Resp: 303400
Ion Ratio Lower Upper
164 100
162 100.9 81.9 122.9
160 43.8 35.4 53.0

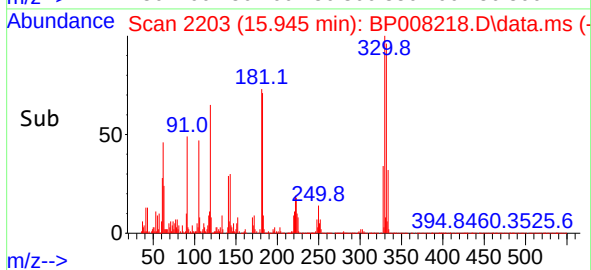
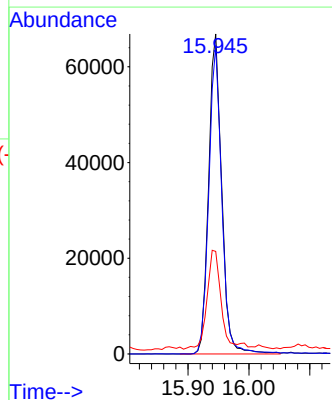
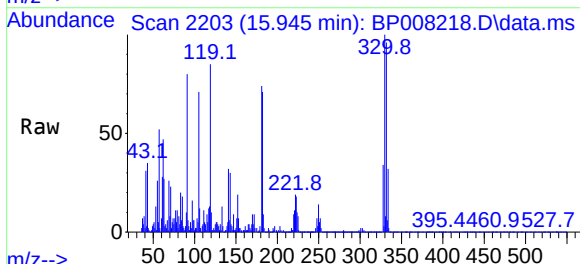
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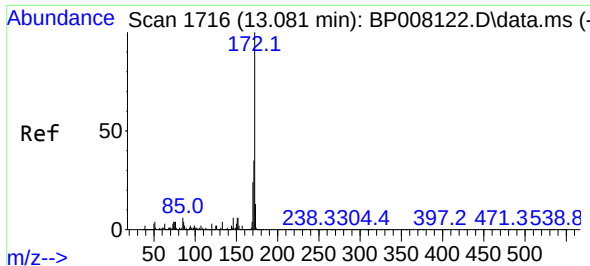
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#42
2,4,6-Tribromophenol
Concen: 25.704 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Tgt Ion:330 Resp: 99682
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 32.6 28.4 42.6





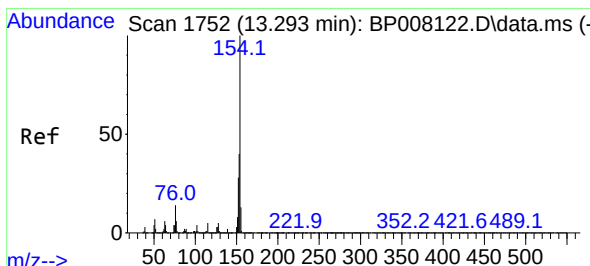
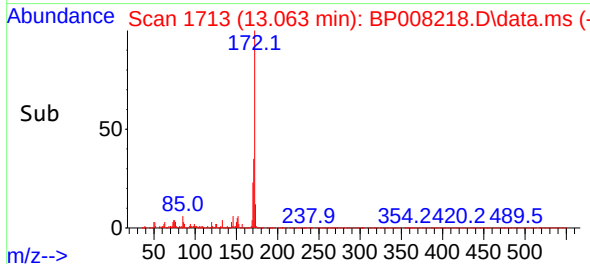
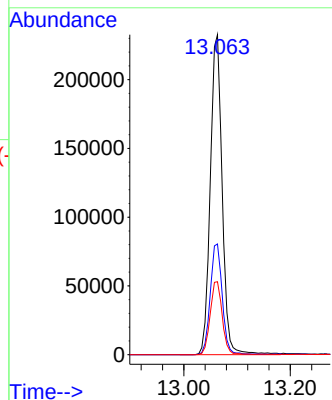
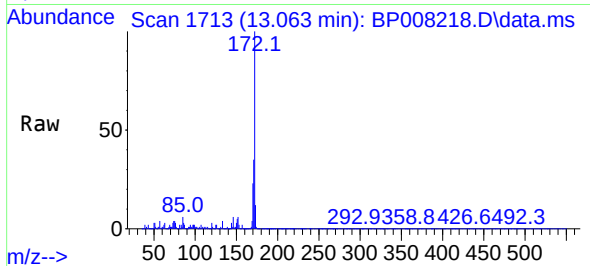
#45
2-Fluorobiphenyl
Concen: 17.242 ng
RT: 13.063 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S

Tgt Ion:172 Resp: 360152
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 22.8 18.9 28.3

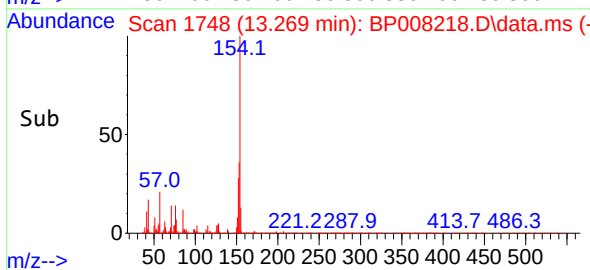
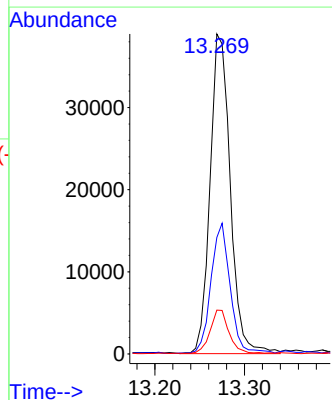
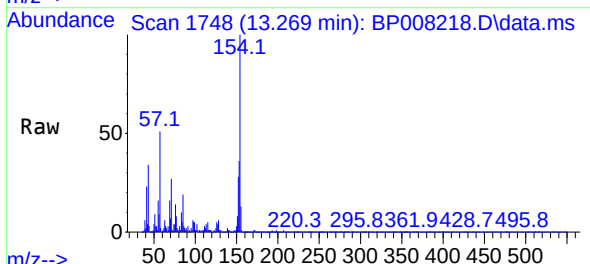
Manual Integrations
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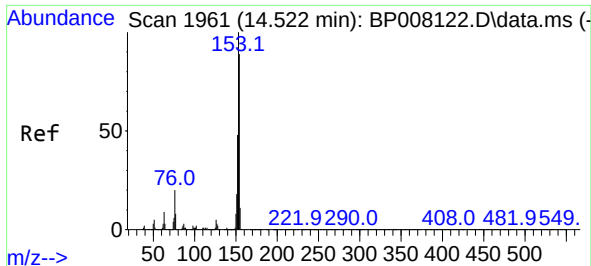
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#46
1,1'-Biphenyl
Concen: 2.768 ng
RT: 13.269 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

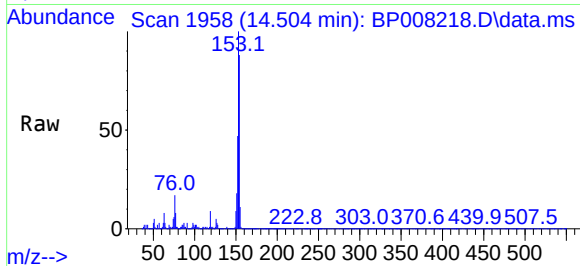
Tgt Ion:154 Resp: 60939
Ion Ratio Lower Upper
154 100
153 36.4 19.7 59.7
76 13.7 0.0 33.7





#52
Acenaphthene
Concen: 27.453 ng
RT: 14.504 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

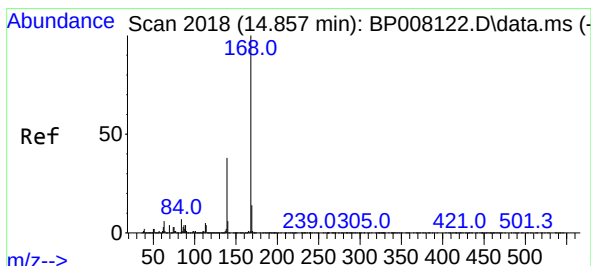
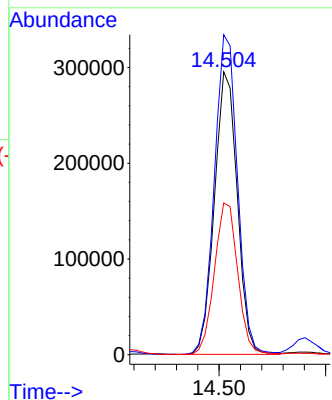
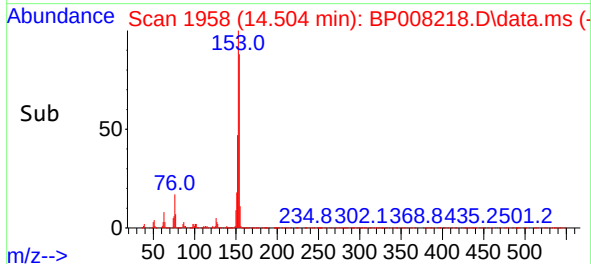
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:154 Resp: 43878
Ion Ratio Lower Upper
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153 113.1 90.3 135.5
152 53.6 43.3 64.9

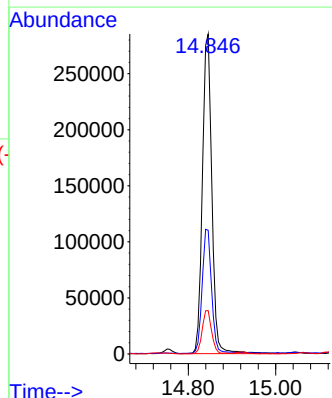
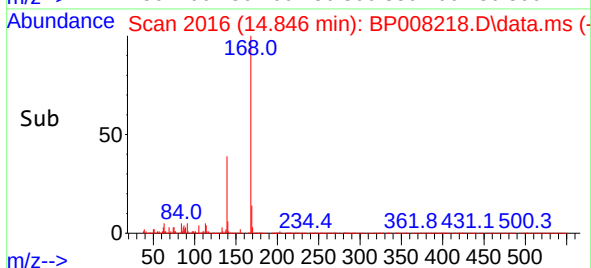
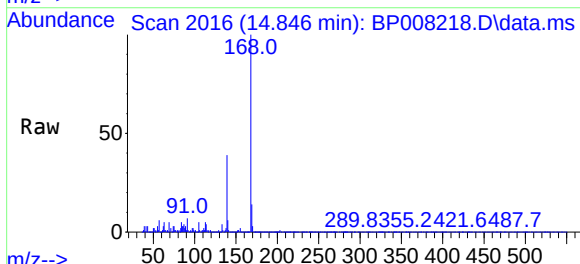
Manual Integrations
APPROVED

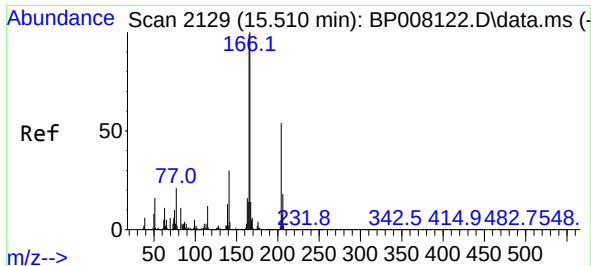
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#55
Dibenzofuran
Concen: 15.791 ng
RT: 14.846 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

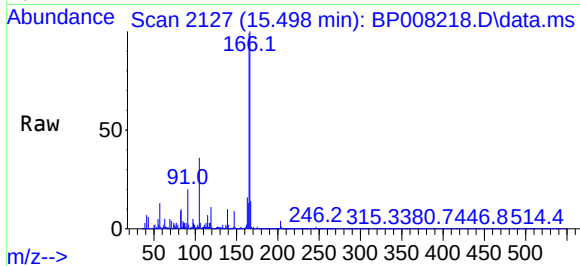
Tgt Ion:168 Resp: 431291
Ion Ratio Lower Upper
168 100
139 38.7 30.6 46.0
169 13.5 11.0 16.4





#58
Fluorene
Concen: 22.870 ng
RT: 15.498 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

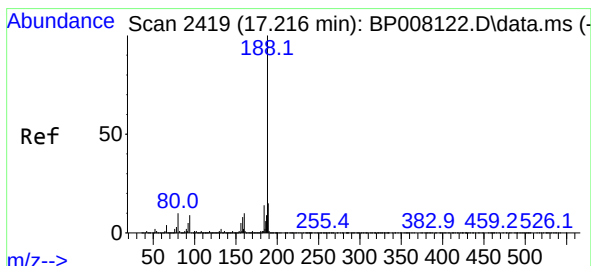
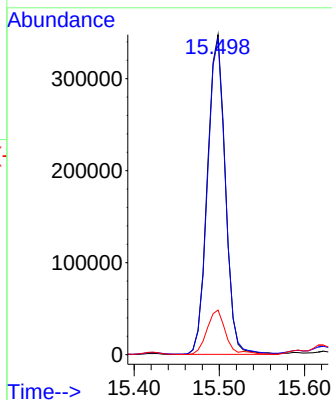
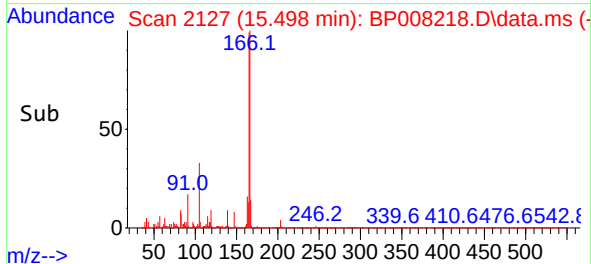
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:166 Resp: 507500
Ion Ratio Lower Upper
166 100
165 98.7 79.4 119.2
167 13.9 10.9 16.3

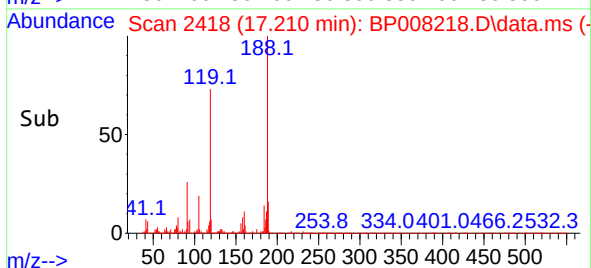
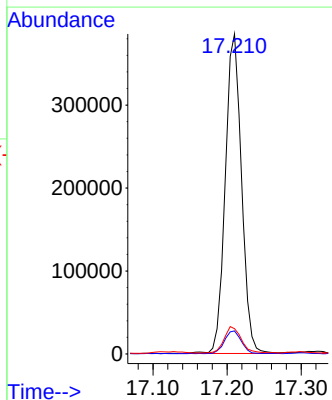
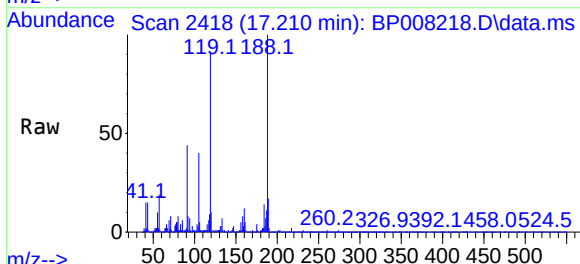
Manual Integrations
APPROVED

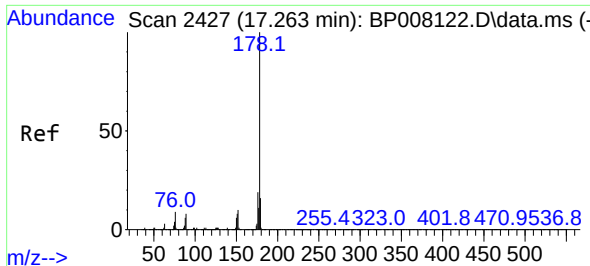
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

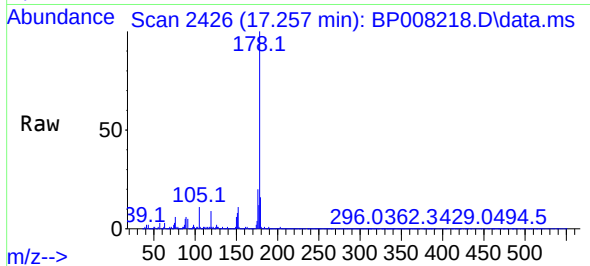
Tgt Ion:188 Resp: 586641
Ion Ratio Lower Upper
188 100
94 7.2 7.2 10.8#
80 7.9 8.2 12.4#





#71
Phenanthrene
Concen: 122.824 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

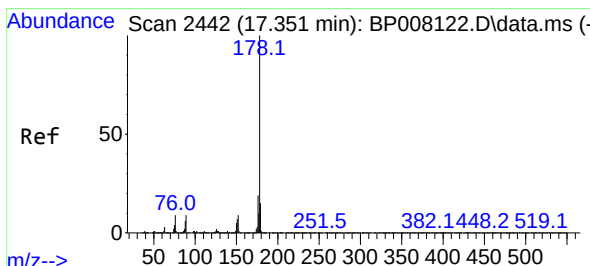
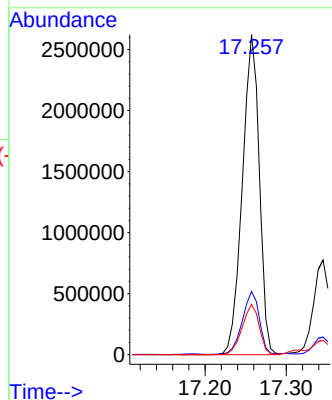
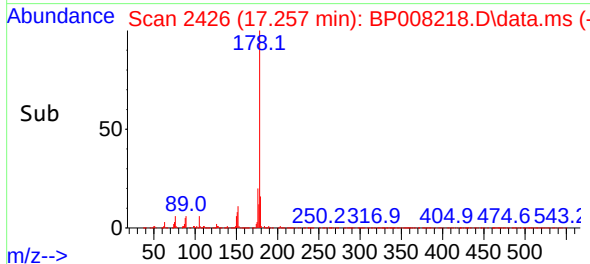
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:178 Resp: 380429
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 15.7 12.5 18.7

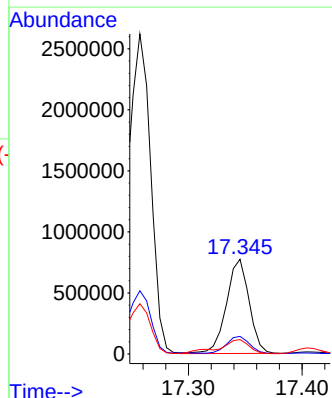
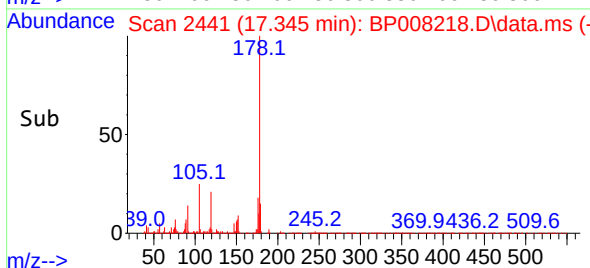
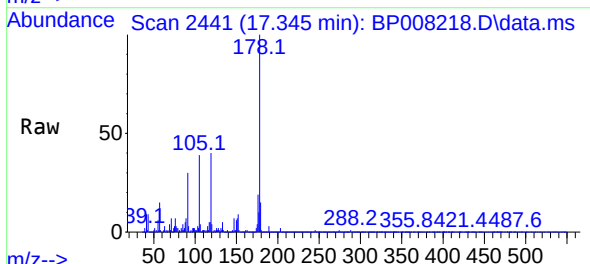
Manual Integrations
APPROVED

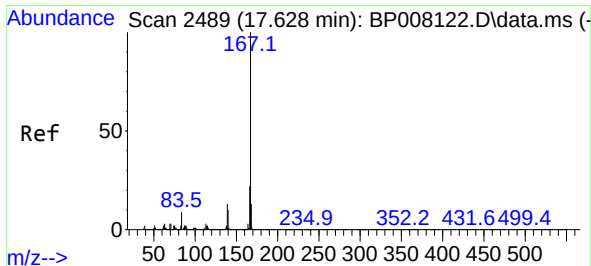
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#72
Anthracene
Concen: 34.859 ng
RT: 17.345 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

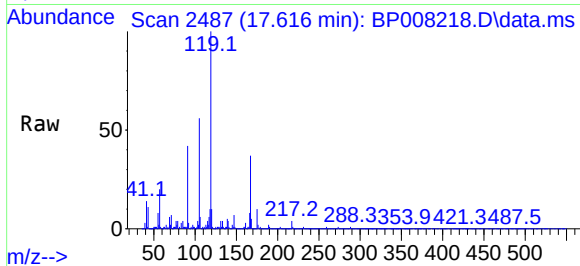
Tgt Ion:178 Resp: 1071506
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.2 12.3 18.5





#73
 Carbazole
 Concen: 14.274 ng
 RT: 17.616 min Scan# 2489
 Delta R.T. -0.006 min
 Lab File: BP008218.D
 Acq: 03 Dec 2021 22:31

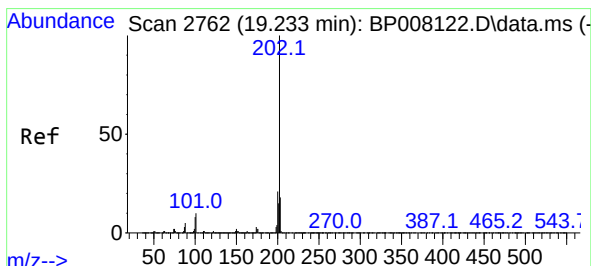
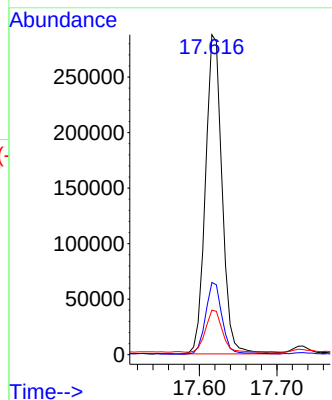
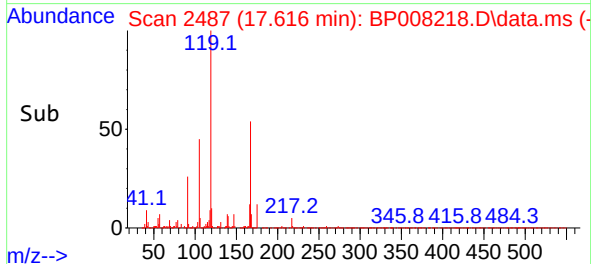
Instrument :
 BNA_P
 ClientSampleId :
 FDR-20211202-WC-S



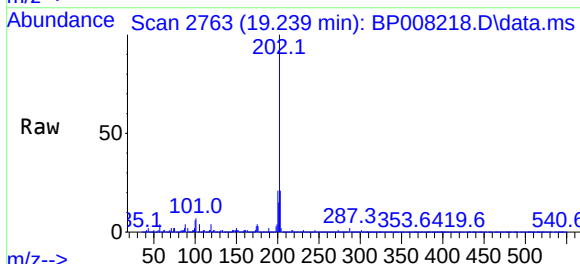
Tgt Ion:167 Resp: 428312
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.0
 139 13.9 10.2 15.2

Manual Integrations
 APPROVED

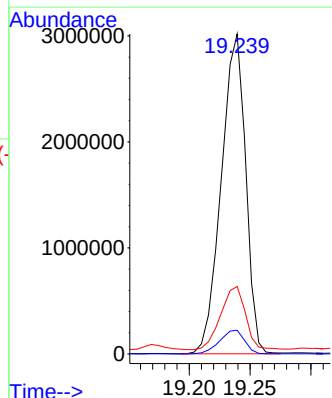
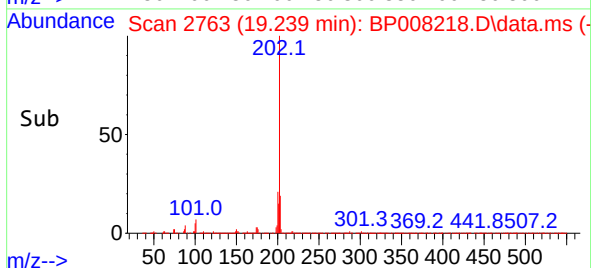
Reviewed By :Jagrut Upadhyay 12/06/2021
 Supervised By :Sohil Jodhani 12/06/2021

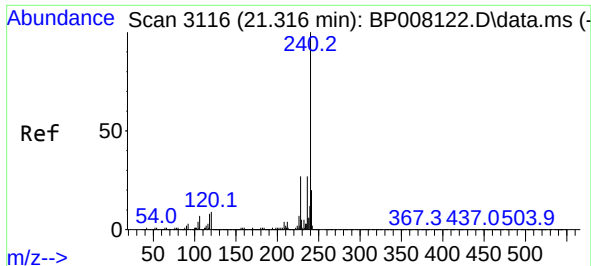


#75
 Fluoranthene
 Concen: 100.763 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. 0.006 min
 Lab File: BP008218.D
 Acq: 03 Dec 2021 22:31



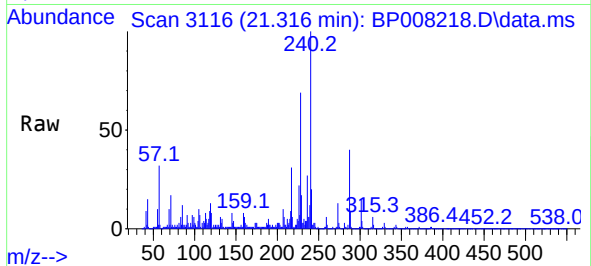
Tgt Ion:202 Resp: 4204389
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 29.8
 203 21.1 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

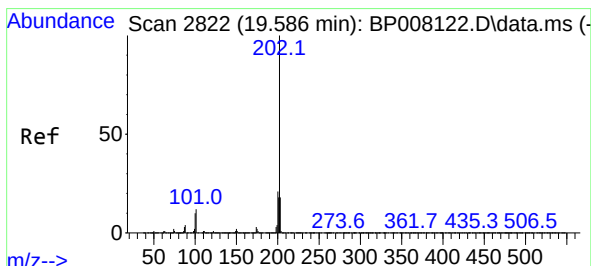
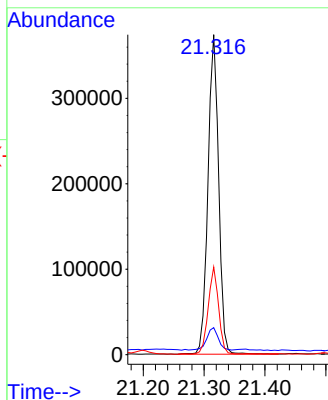
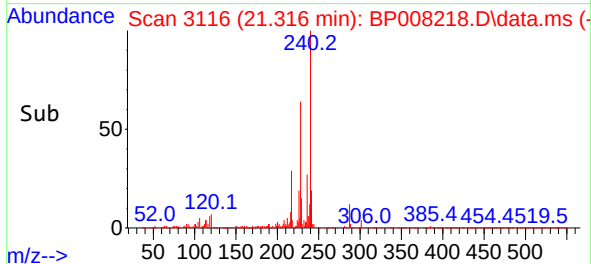
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:240 Resp: 455970
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 27.4 21.4 32.2

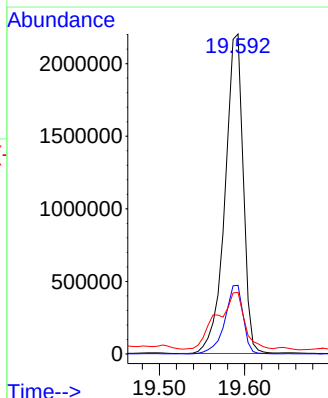
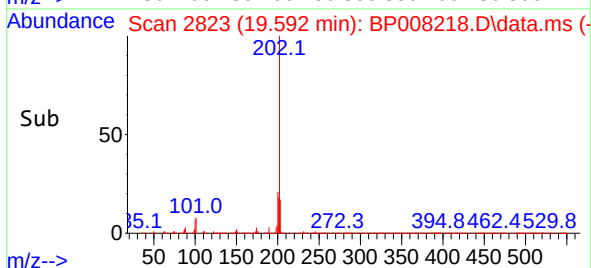
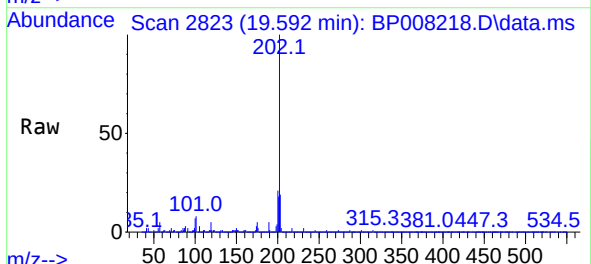
Manual Integrations
APPROVED

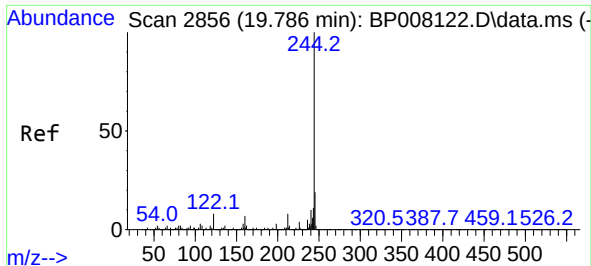
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#78
Pyrene
Concen: 117.731 ng
RT: 19.592 min Scan# 2823
Delta R.T. 0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Tgt Ion:202 Resp: 3261054
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 19.3 14.2 21.2





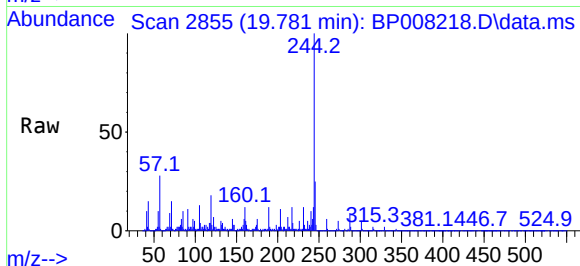
#79
Terphenyl-d14
Concen: 22.421 ng
RT: 19.781 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Instrument :

BNA_P

ClientSampleId :

FDR-20211202-WC-S

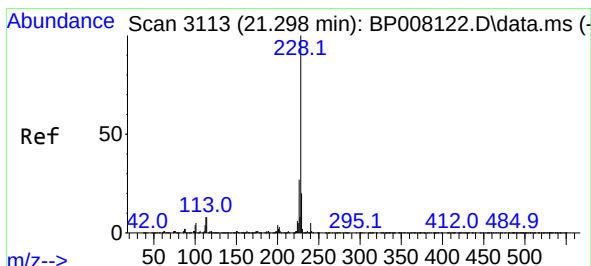
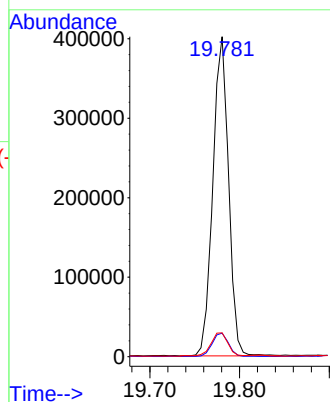
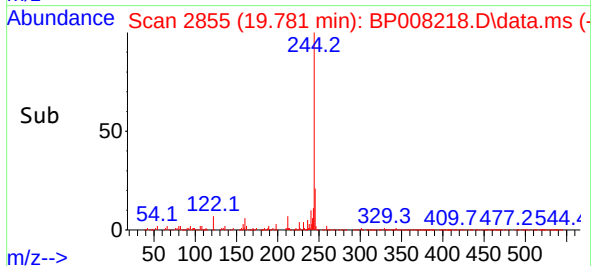


Tgt Ion:244 Resp: 48917
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 7.4 6.6 9.8

Manual Integrations

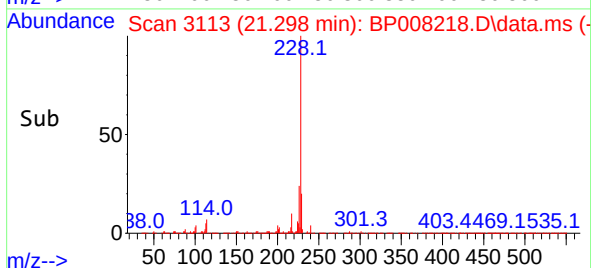
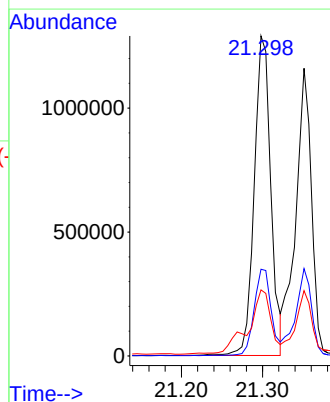
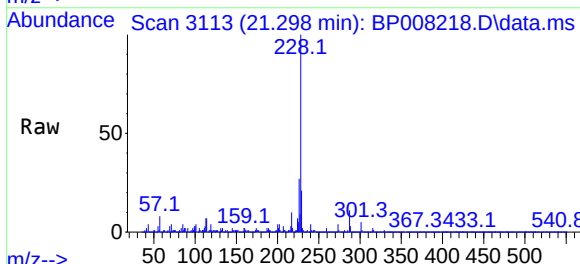
APPROVED

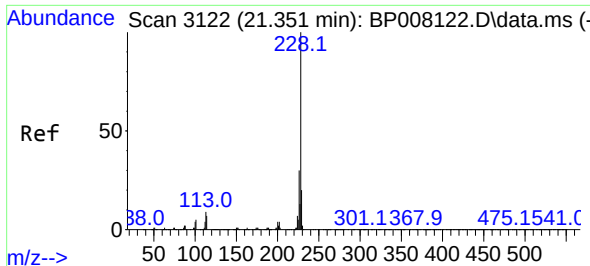
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#81
Benzo(a)anthracene
Concen: 60.591 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

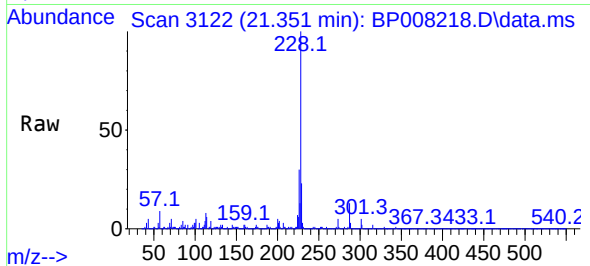
Tgt Ion:228 Resp: 1831049
Ion Ratio Lower Upper
228 100
226 27.1 21.9 32.9
229 20.7 15.9 23.9





#83
Chrysene
Concen: 54.539 ng
RT: 21.351 min Scan# 3122
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

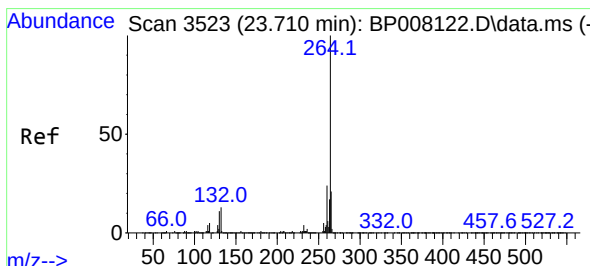
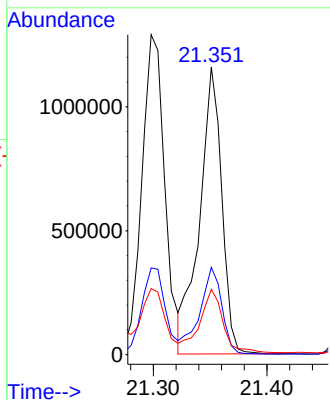
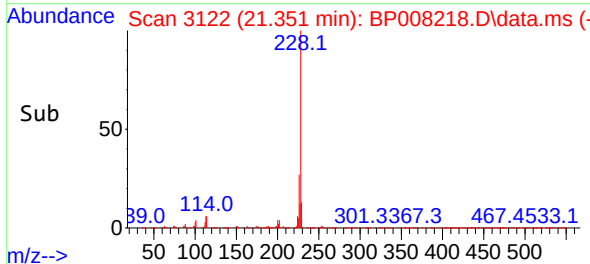
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:228 Resp: 156834
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 22.7 15.8 23.8

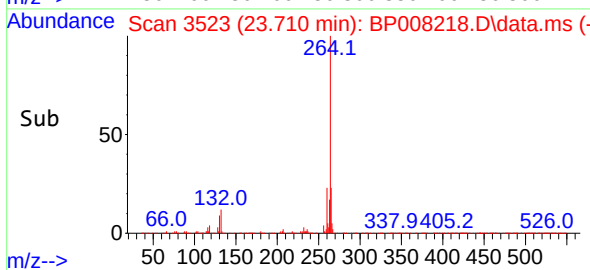
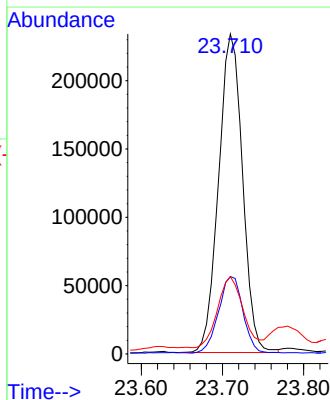
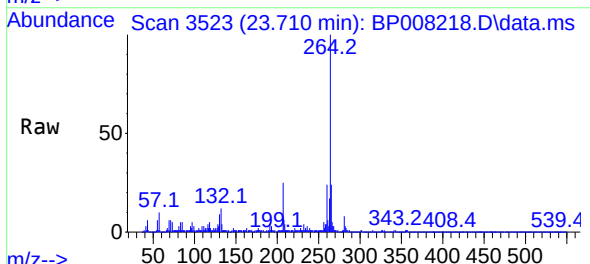
Manual Integrations
APPROVED

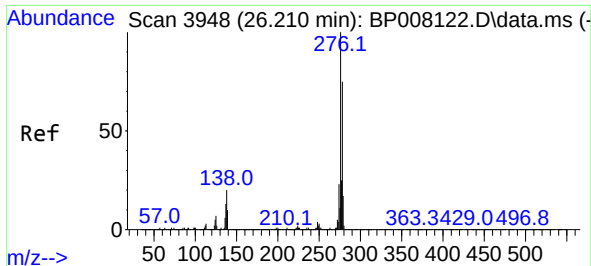
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

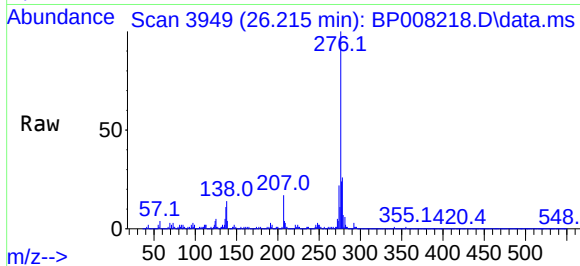
Tgt Ion:264 Resp: 477806
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 24.2 17.6 26.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 29.750 ng
 RT: 26.215 min Scan# 3400
 Delta R.T. -0.012 min
 Lab File: BP008218.D
 Acq: 03 Dec 2021 22:31

Instrument :
 BNA_P
 ClientSampleId :
 FDR-20211202-WC-S

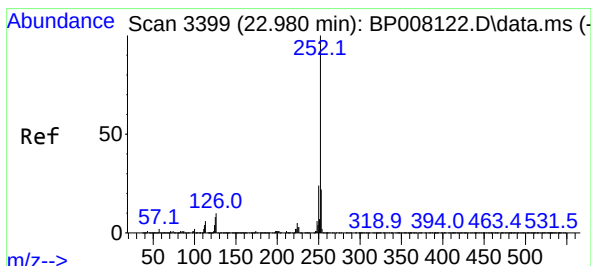
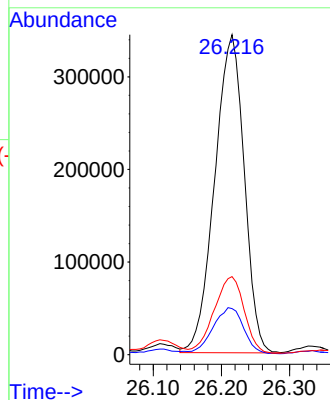
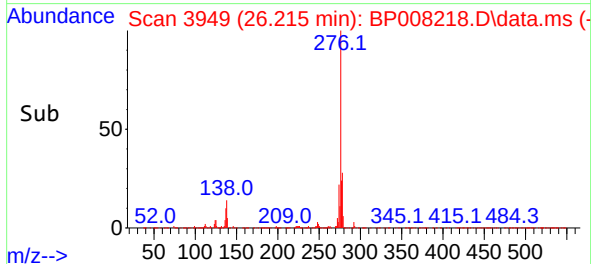


Tgt Ion:276 Resp: 103414

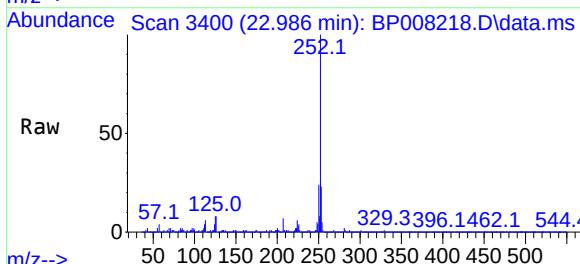
Ion	Ratio	Lower	Upper
276	100		
138	15.0	16.6	25.0
277	24.7	20.2	30.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/06/2021
 Supervised By :Sohil Jodhani 12/06/2021

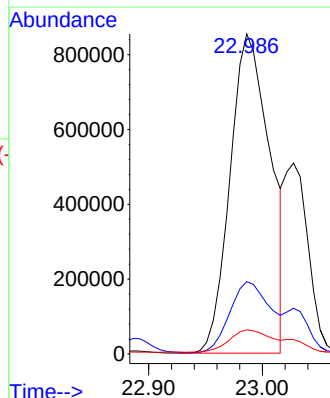
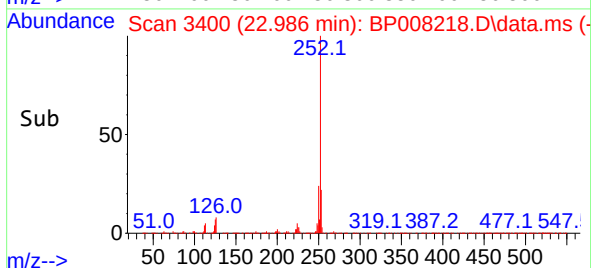


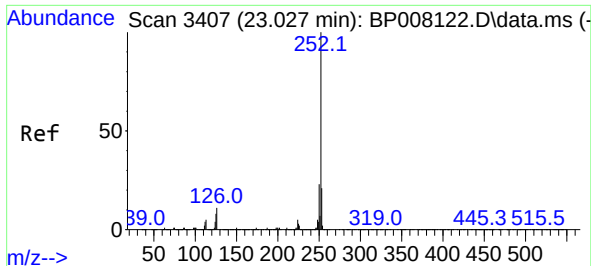
#88
 Benzo(b)fluoranthene
 Concen: 72.593 ng
 RT: 22.986 min Scan# 3400
 Delta R.T. 0.000 min
 Lab File: BP008218.D
 Acq: 03 Dec 2021 22:31



Tgt Ion:252 Resp: 2091003

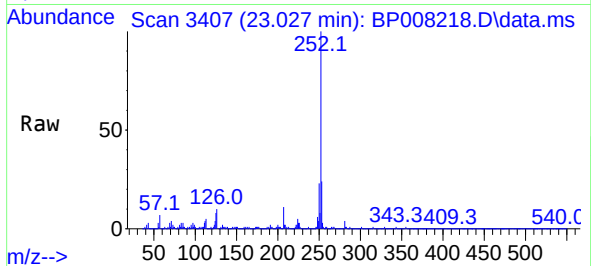
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	7.6	6.2	9.4





#89
Benzo(k)fluoranthene
Concen: 25.404 ng m
RT: 23.027 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

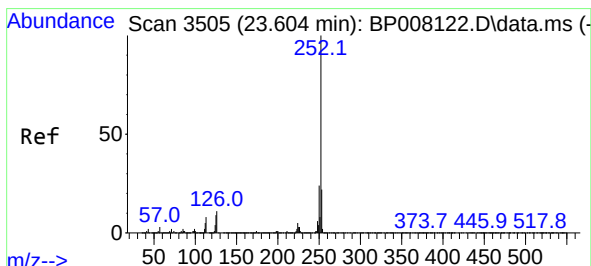
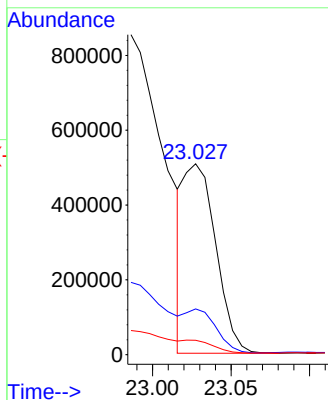
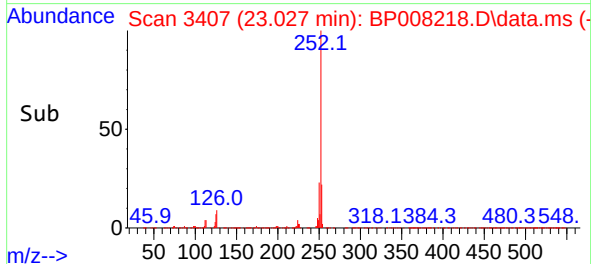
Instrument : BNA_P
ClientSampleId : FDR-20211202-WC-S



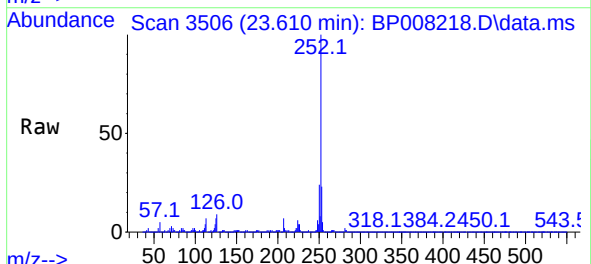
Tgt Ion:252 Resp: 716380
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 7.5 6.5 9.7

Manual Integrations
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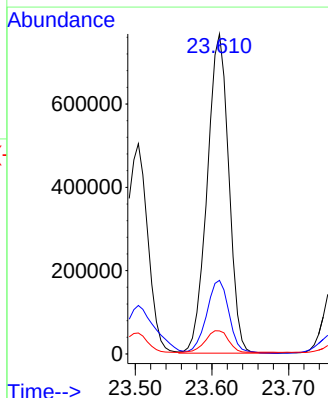
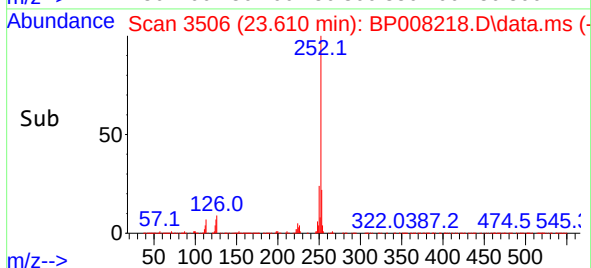
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021

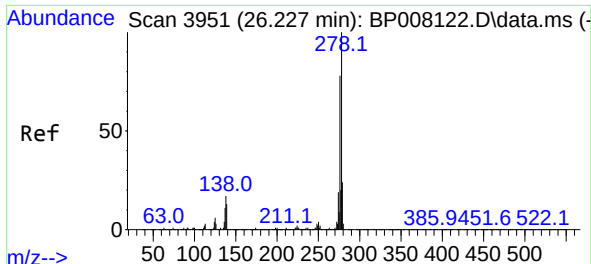


#90
Benzo(a)pyrene
Concen: 60.824 ng m
RT: 23.610 min Scan# 3506
Delta R.T. 0.000 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31



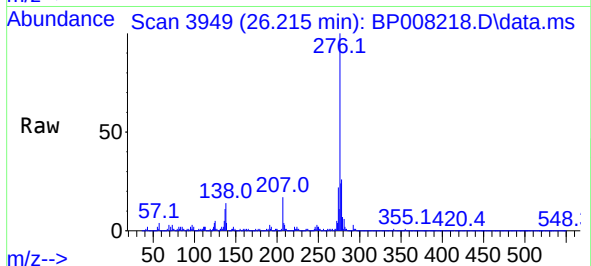
Tgt Ion:252 Resp: 1497394
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 7.2 7.4 11.0#





#91
Dibenzo(a,h)anthracene
Concen: 10.206 ng
RT: 26.215 min Scan# 3949
Delta R.T. -0.018 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

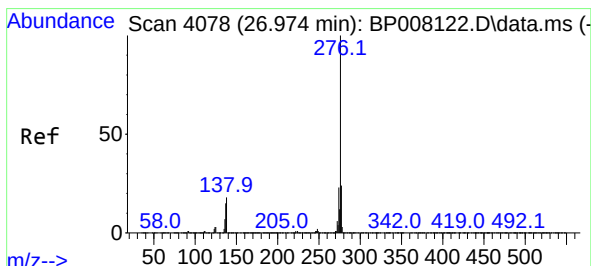
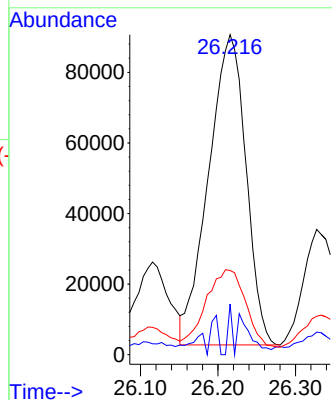
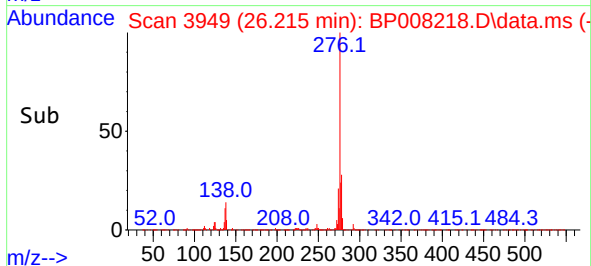
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-S



Tgt Ion:278 Resp: 294628
Ion Ratio Lower Upper
278 100
139 15.8 10.8 16.2
279 26.3 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#92
Benzo(g,h,i)perylene
Concen: 33.560 ng
RT: 26.980 min Scan# 4079
Delta R.T. -0.018 min
Lab File: BP008218.D
Acq: 03 Dec 2021 22:31

Tgt Ion:276 Resp: 977409
Ion Ratio Lower Upper
276 100
277 24.0 20.0 30.0
138 14.6 14.1 21.1

