

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009627.D
 Acq On : 30 Mar 2022 19:54
 Operator : CG/JU
 Sample : N2155-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-C

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/31/2022
 Supervised By : Jagrut Upadhyay 03/31/2022

Quant Time: Mar 31 04:41:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	254015	20.00	ng	0.00
21) Naphthalene-d8	10.528	136	995408	20.00	ng	0.00
39) Acenaphthene-d10	14.387	164	479566	20.00	ng	0.00
64) Phenanthrene-d10	17.151	188	964905	20.00	ng	0.00
76) Chrysene-d12	21.275	240	967895	20.00	ng	# 0.00
86) Perylene-d12	23.657	264	1104533	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	317592	21.83	ng	0.00
7) Phenol-d6	6.934	99	1534277	77.98	ng	0.00
23) Nitrobenzene-d5	8.893	82	1338243	71.44	ng	0.00
42) 2,4,6-Tribromophenol	15.892	330	81692	10.32	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	3040514	87.89	ng	0.00
79) Terphenyl-d14	19.739	244	4292586	79.60	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.581	128	275767	5.38	ng	99
37) 2-Methylnaphthalene	12.199	142	148011	4.11	ng	99
38) 1-Methylnaphthalene	12.416	142	85366	2.44	ng	98
52) Acenaphthene	14.451	154	85548	3.29	ng	99
55) Dibenzofuran	14.793	168	99277	2.28	ng	# 97
58) Fluorene	15.445	166	117093	3.41	ng	99
71) Phenanthrene	17.192	178	1186498	22.97	ng	99
72) Anthracene	17.287	178	283273	5.55	ng	98
73) Carbazole	17.563	167	132305	2.65	ng	97
75) Fluoranthene	19.181	202	1368821	21.89	ng	98
78) Pyrene	19.533	202	1377929	21.60	ng	99
81) Benzo(a)anthracene	21.257	228	695203	10.93	ng	98
83) Chrysene	21.310	228	614485	10.20	ng	97
87) Indeno(1,2,3-cd)pyrene	26.139	276	433204	5.17	ng	# 91
88) Benzo(b)fluoranthene	22.933	252	843329	12.79	ng	# 91
89) Benzo(k)fluoranthene	22.974	252	319632m	4.95	ng	
90) Benzo(a)pyrene	23.551	252	637792	11.31	ng	94
92) Benzo(g,h,i)perylene	26.898	276	451755	6.58	ng	93

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

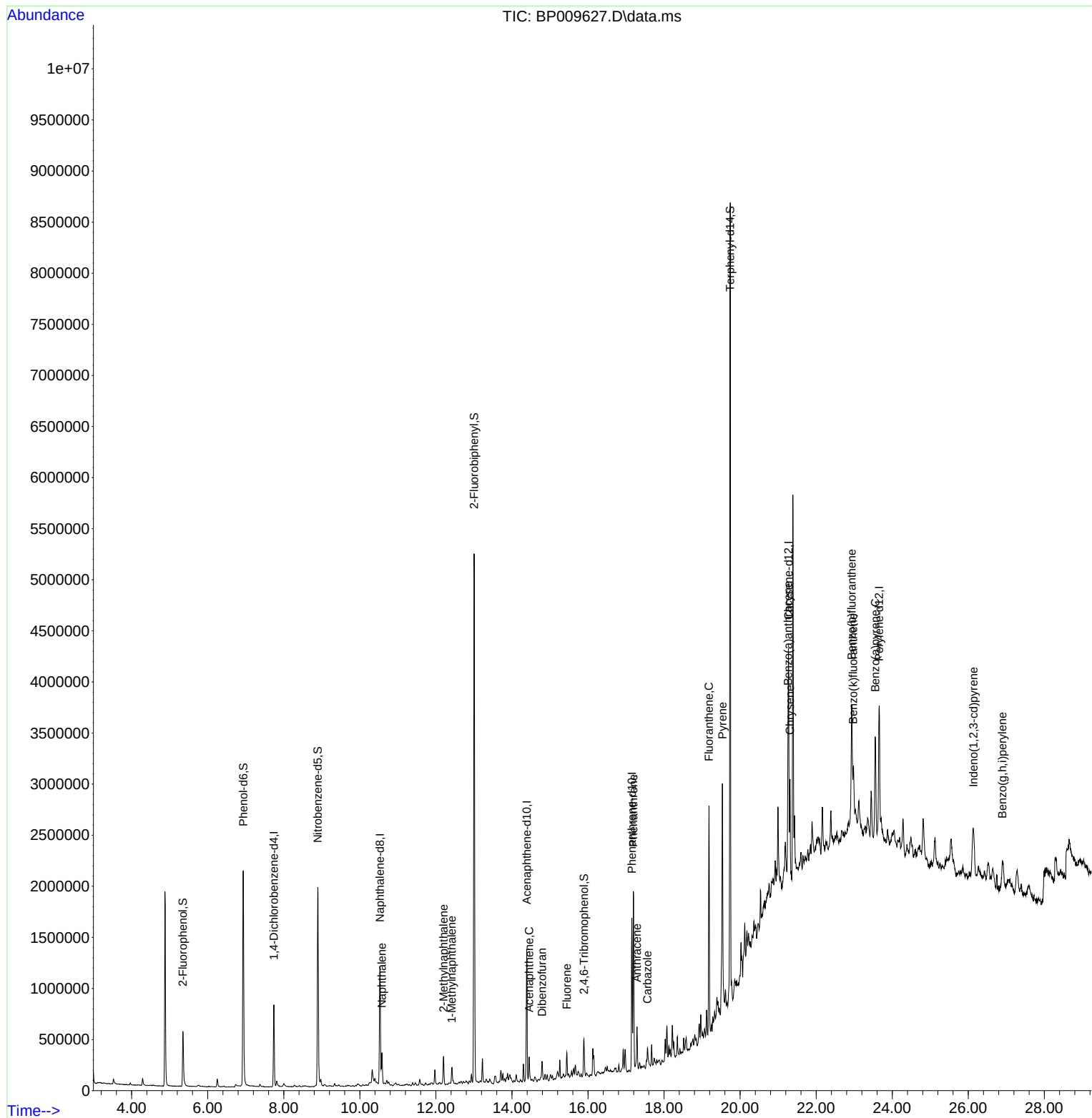
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
Data File : BP009627.D
Acq On : 30 Mar 2022 19:54
Operator : CG/JU
Sample : N2155-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

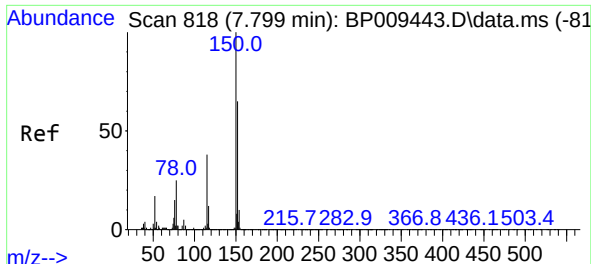
Instrument :
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Quant Time: Mar 31 04:41:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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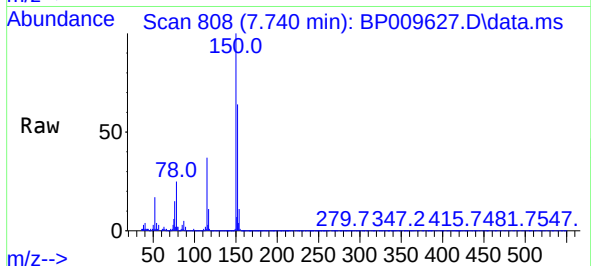
Reviewed By : Christian Giraldo 03/31/2022
Supervised By : Jagrut Upadhyay 03/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

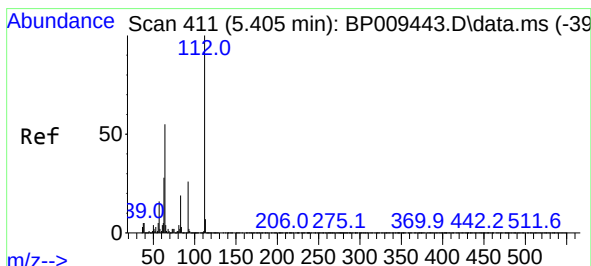
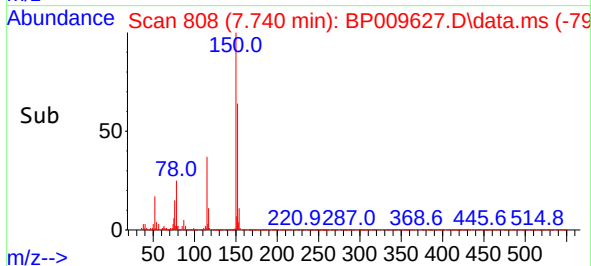
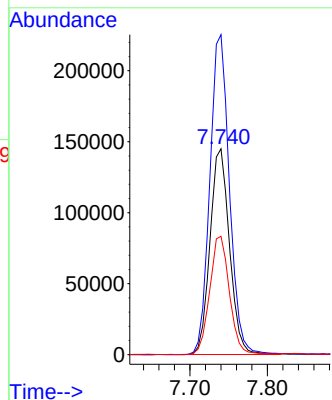
Instrument :
BNA_P
ClientSampleId :
22L076-C



Tgt Ion:152 Resp: 25401
Ion Ratio Lower Upper
152 100
150 155.4 124.5 186.7
115 57.5 48.2 72.4

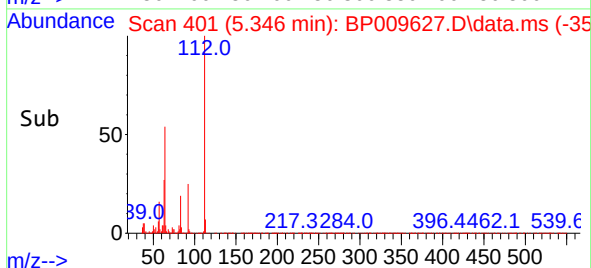
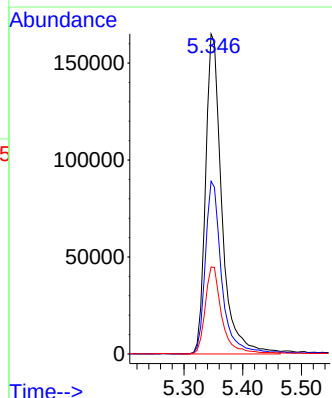
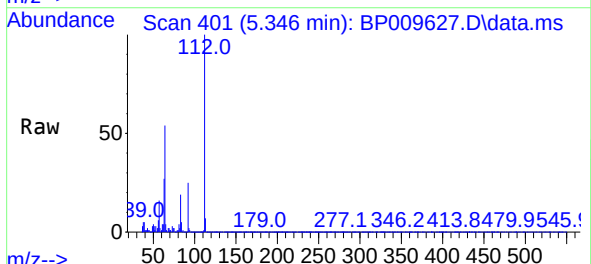
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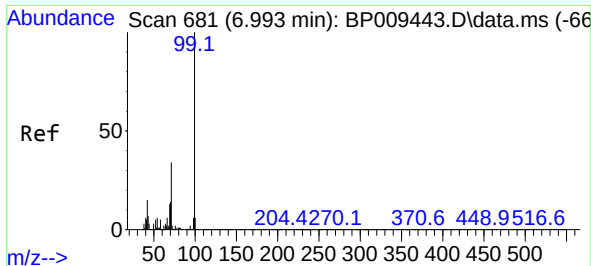
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 21.83 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:112 Resp: 317592
Ion Ratio Lower Upper
112 100
64 53.9 45.0 67.4
63 27.2 23.0 34.6





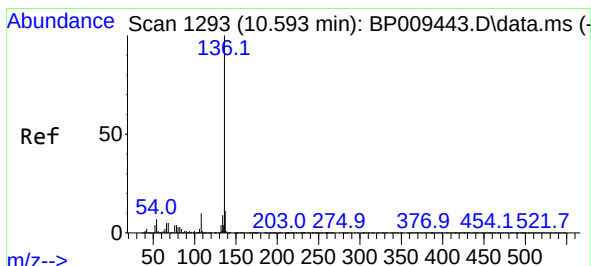
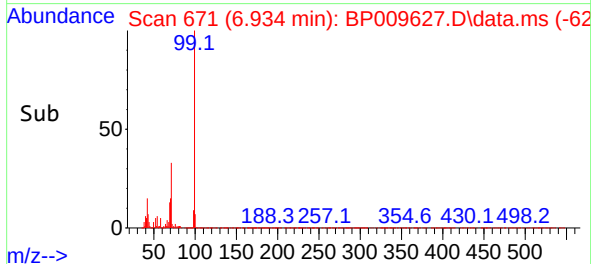
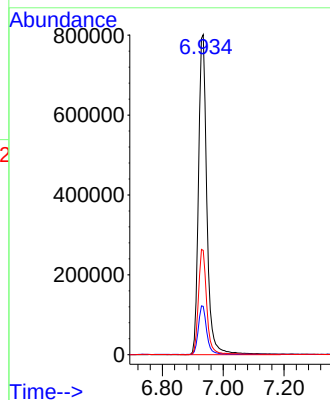
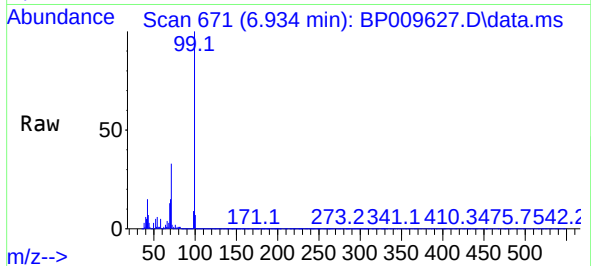
#7
Phenol-d6
Concen: 77.98 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 153427
Ion Ratio Lower Upper
99 100
42 15.1 12.8 19.2
71 32.6 26.3 39.5

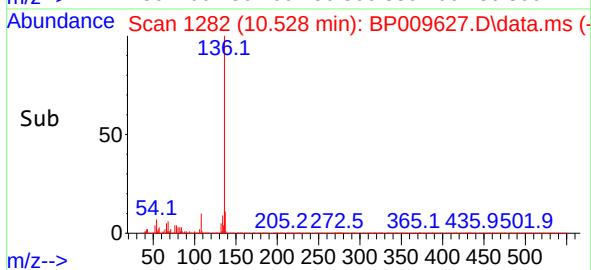
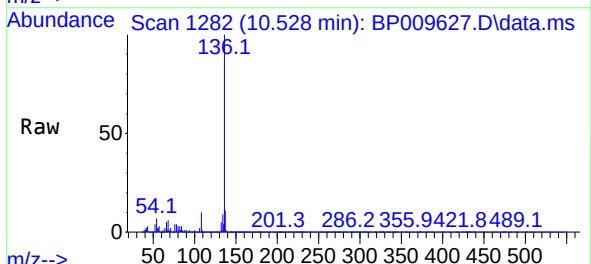
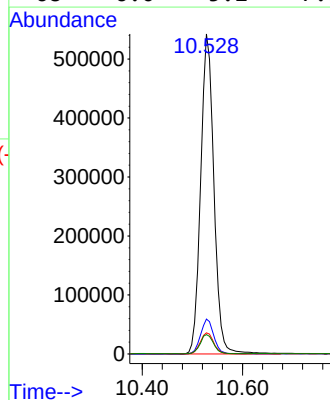
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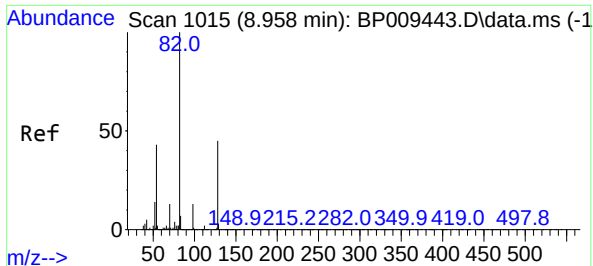
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

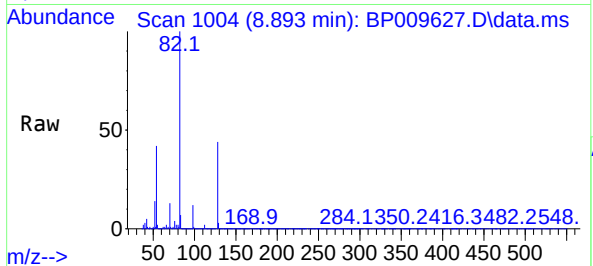
Tgt Ion:136 Resp: 995408
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.6 5.8 8.8
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 71.44 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
22L076-C

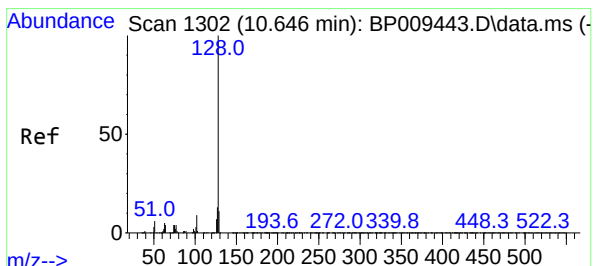
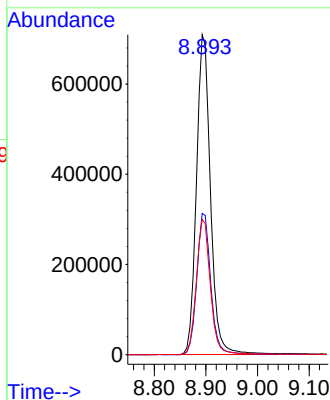
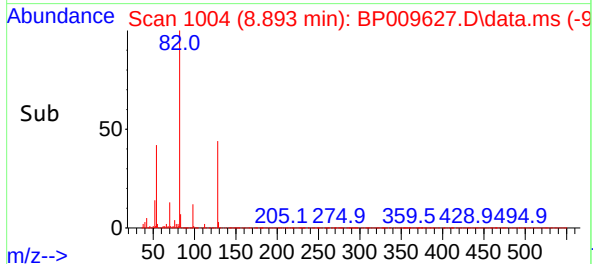


Tgt Ion: 82 Resp: 133824

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.2	51.4
54	42.3	34.7	52.1

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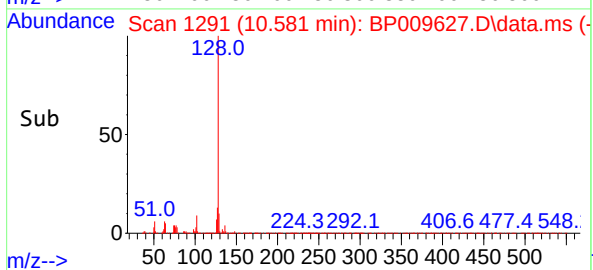
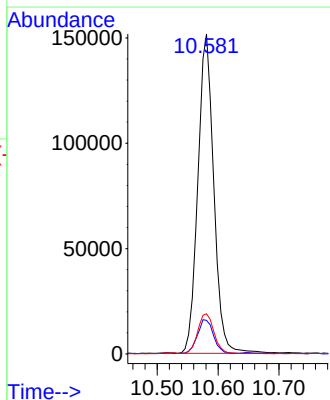
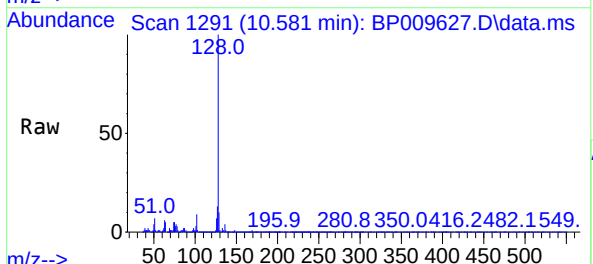
Reviewed By :Christian Giraldo 03/31/2022
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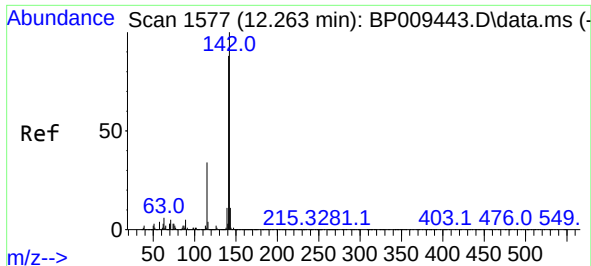


#31
Naphthalene
Concen: 5.38 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:128 Resp: 275767

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	12.5	10.5	15.7





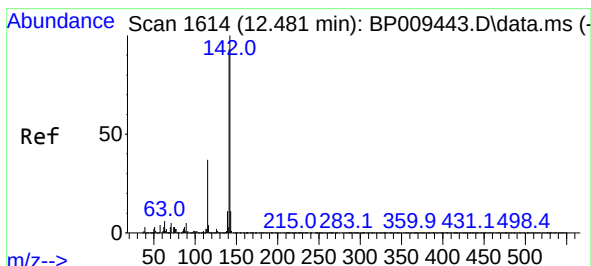
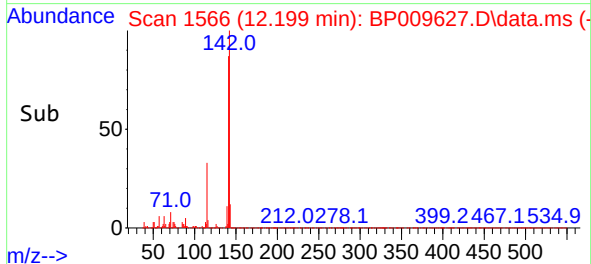
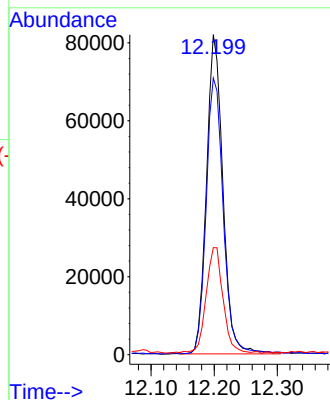
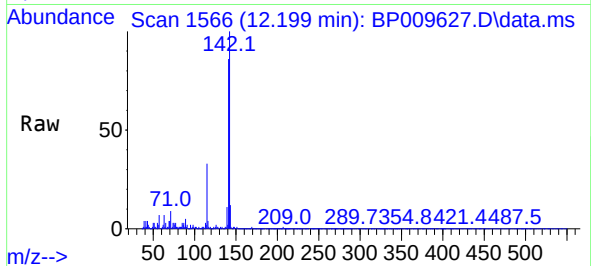
#37
2-Methylnaphthalene
Concen: 4.11 ng
RT: 12.199 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
22L076-C

Tgt Ion:142 Resp: 14801
Ion Ratio Lower Upper
142 100
141 86.5 70.2 105.4
115 33.5 27.4 41.2

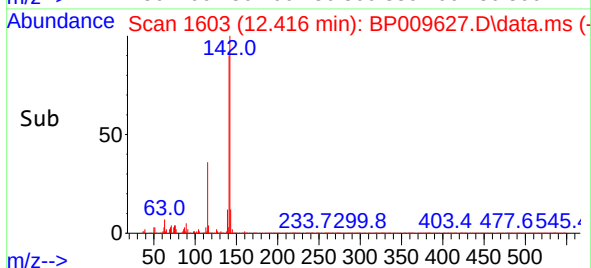
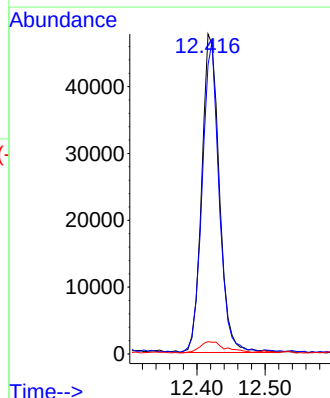
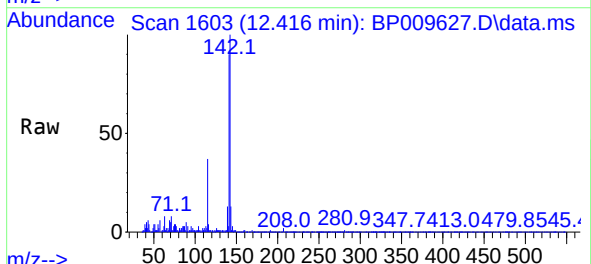
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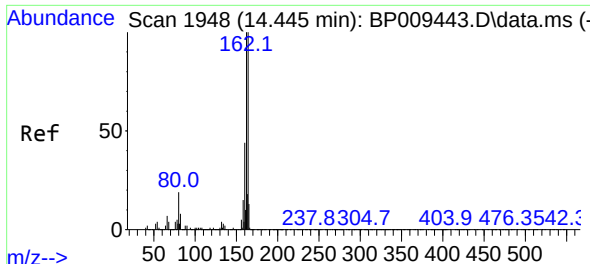
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#38
1-Methylnaphthalene
Concen: 2.44 ng
RT: 12.416 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

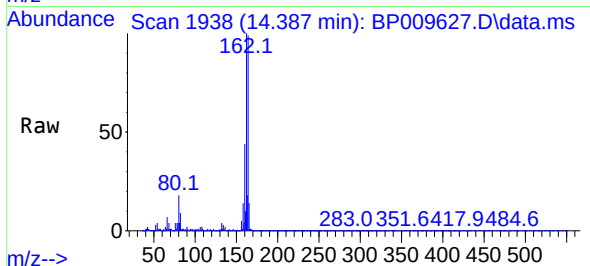
Tgt Ion:142 Resp: 85366
Ion Ratio Lower Upper
142 100
141 90.4 73.5 110.3
116 3.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

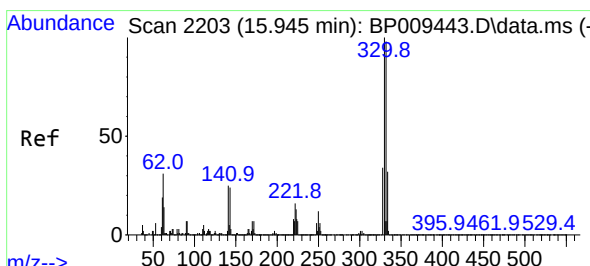
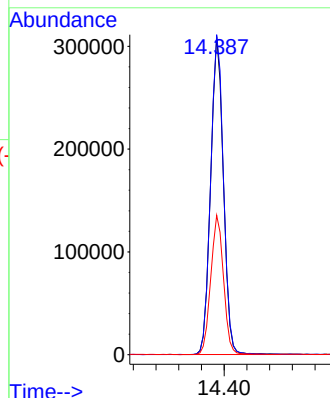
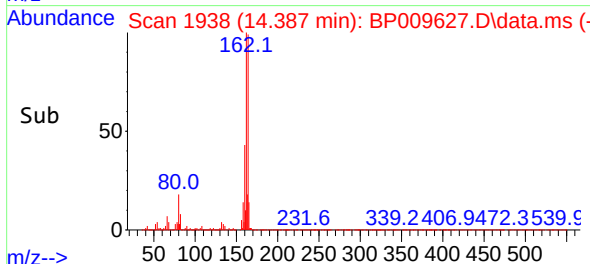
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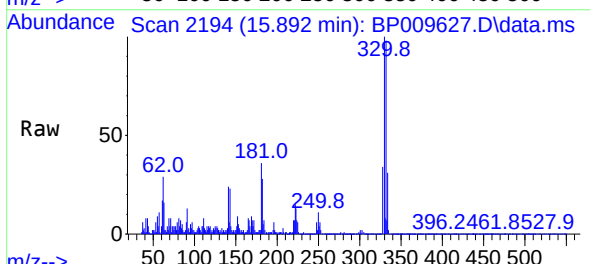
Tgt Ion:164 Resp: 479560
Ion Ratio Lower Upper
164 100
162 100.6 79.1 118.7
160 43.8 34.9 52.3

Manual Integrations
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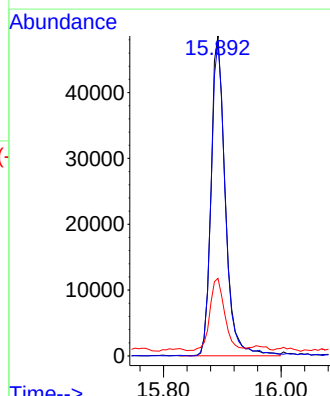
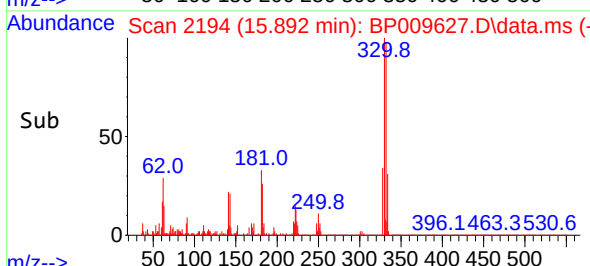
Reviewed By :Christian Giraldo 03/31/2022
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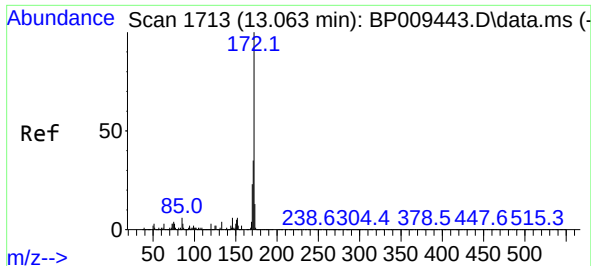


#42
2,4,6-Tribromophenol
Concen: 10.32 ng
RT: 15.892 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54



Tgt Ion:330 Resp: 81692
Ion Ratio Lower Upper
330 100
332 98.4 77.0 115.6
141 23.6 27.6 41.4#





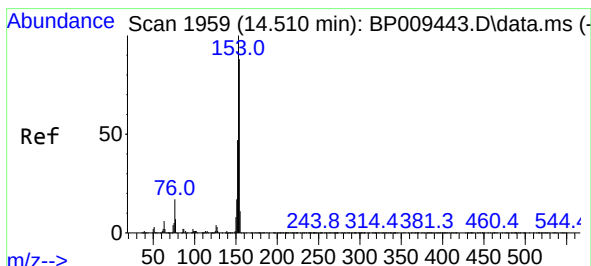
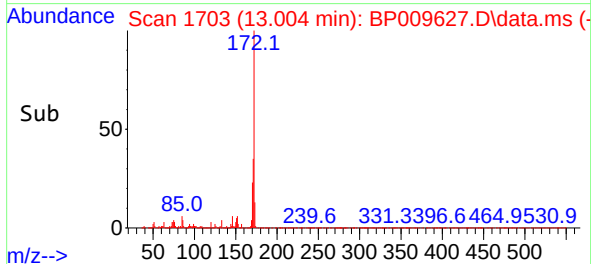
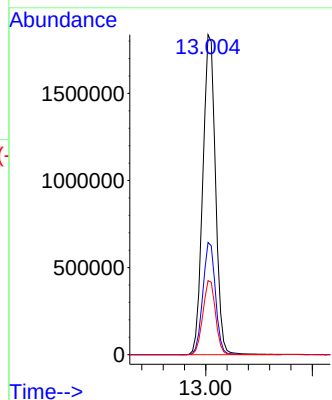
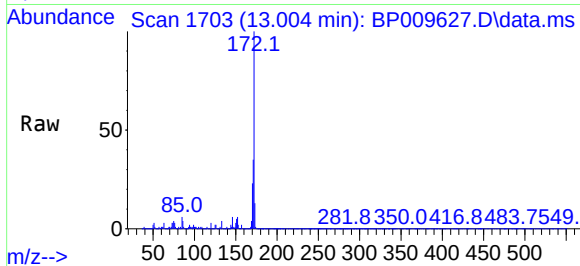
#45
2-Fluorobiphenyl
Concen: 87.89 ng
RT: 13.004 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
22L076-C

Tgt Ion:172 Resp: 3040514
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.1 18.6 27.8

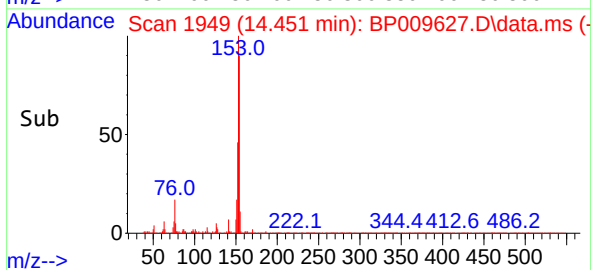
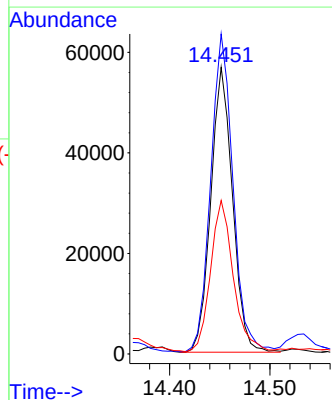
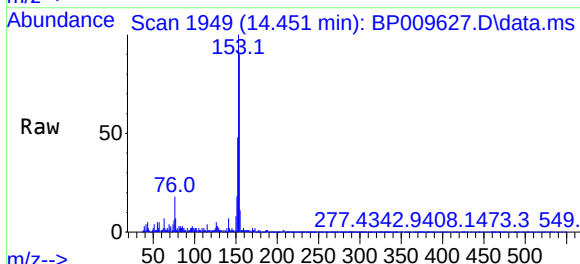
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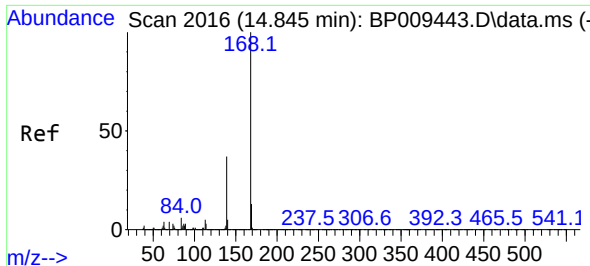
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#52
Acenaphthene
Concen: 3.29 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

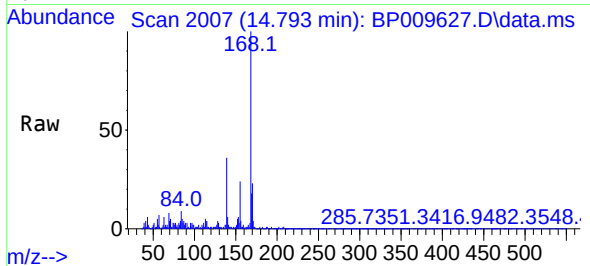
Tgt Ion:154 Resp: 85548
Ion Ratio Lower Upper
154 100
153 111.6 90.2 135.4
152 53.5 42.7 64.1





#55
Dibenzenofuran
Concen: 2.28 ng
RT: 14.793 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

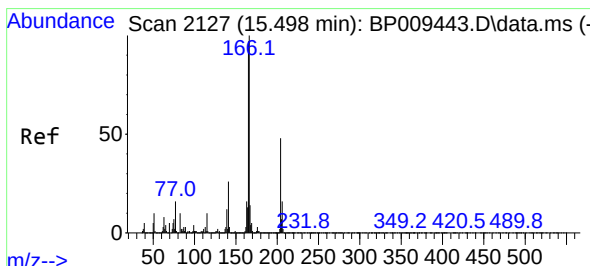
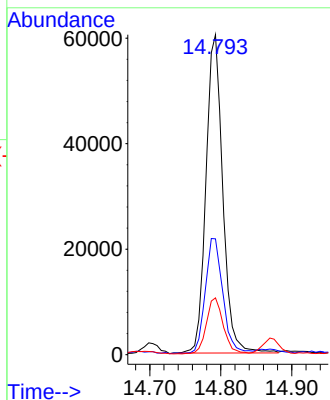
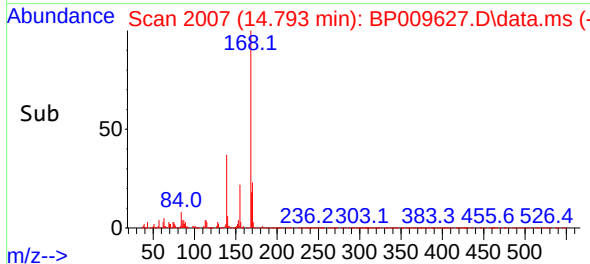
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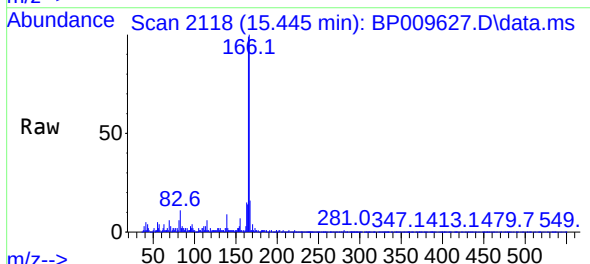
Tgt Ion:168 Resp: 9927
Ion Ratio Lower Upper
168 100
139 36.2 29.1 43.7
169 17.7 10.6 16.0

Manual Integrations
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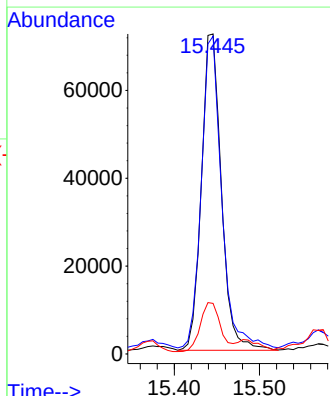
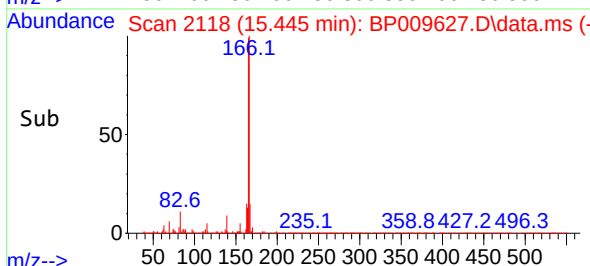
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

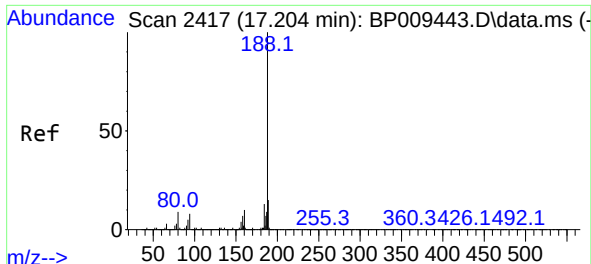


#58
Fluorene
Concen: 3.41 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54



Tgt Ion:166 Resp: 117093
Ion Ratio Lower Upper
166 100
165 99.3 79.2 118.8
167 15.8 10.7 16.1





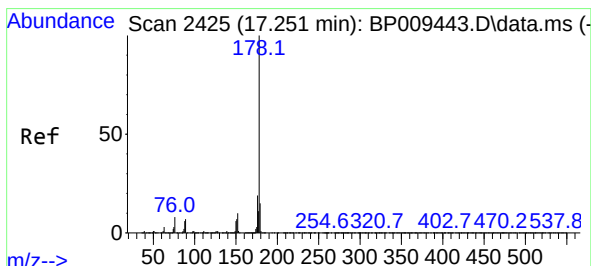
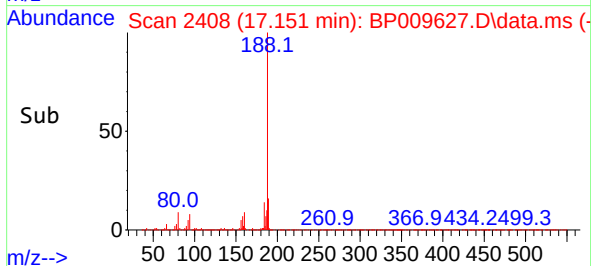
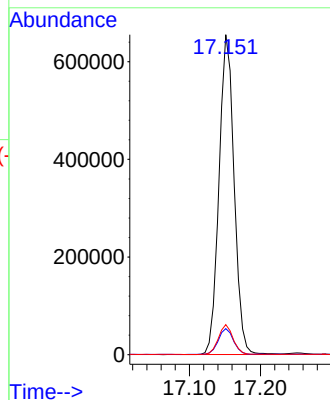
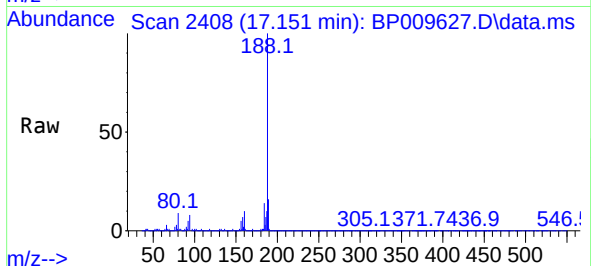
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.151 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
22L076-C

Tgt Ion:188 Resp: 96490
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 9.4 8.8 13.2

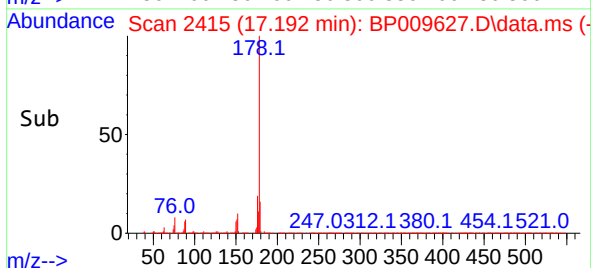
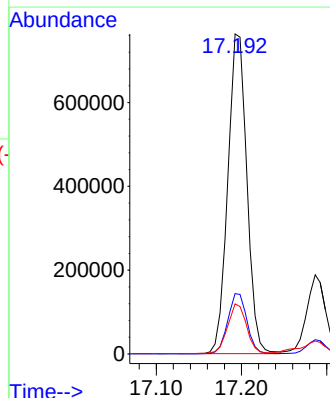
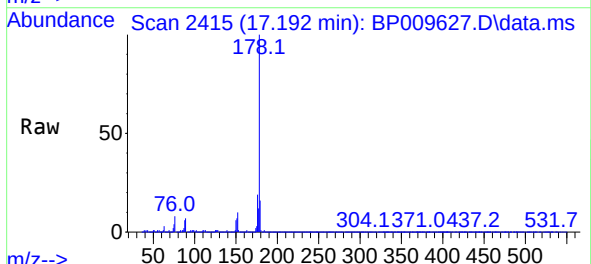
Manual Integrations
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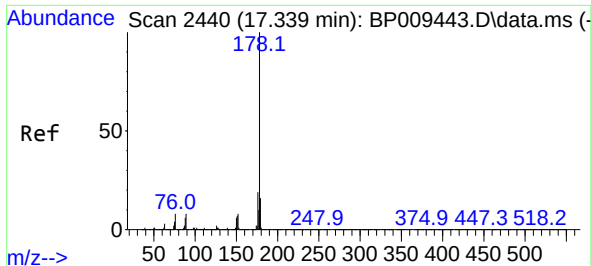
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#71
Phenanthrene
Concen: 22.97 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:178 Resp: 1186498
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.7 12.3 18.5





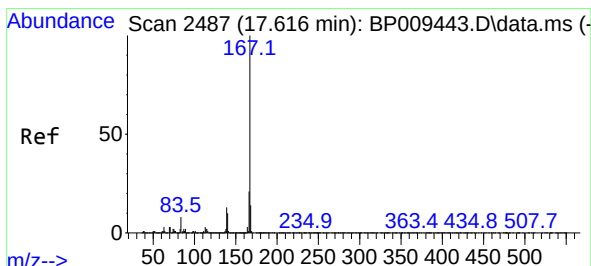
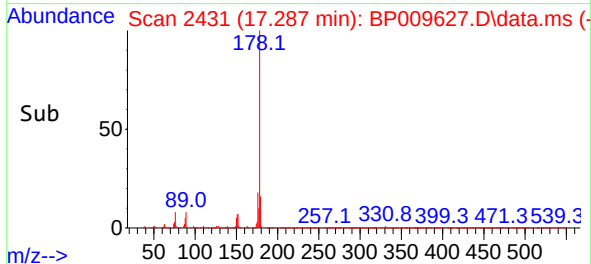
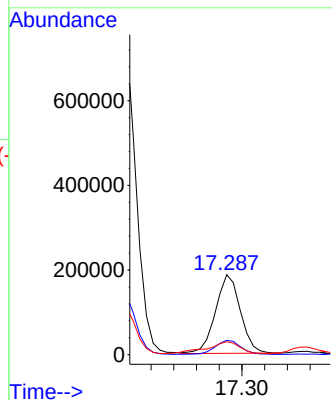
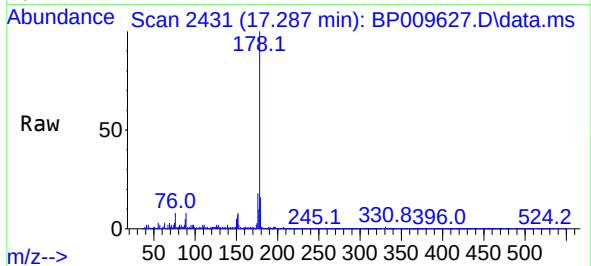
#72
 Anthracene
 Concen: 5.55 ng
 RT: 17.287 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

Instrument :
 BNA_P
 ClientSampleId :
 22L076-C

Tgt Ion:178 Resp: 28327
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 16.3 12.2 18.4

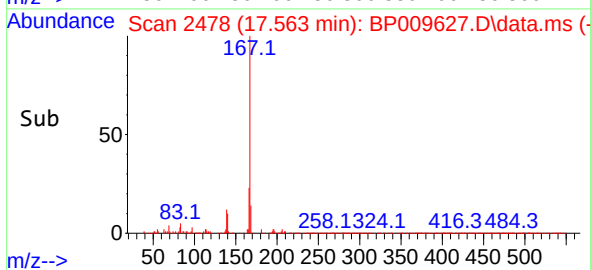
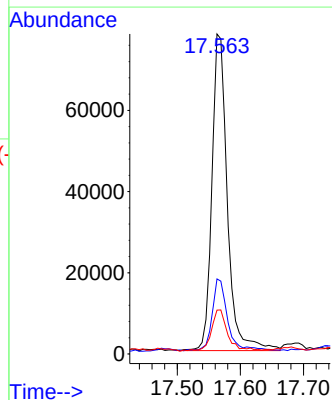
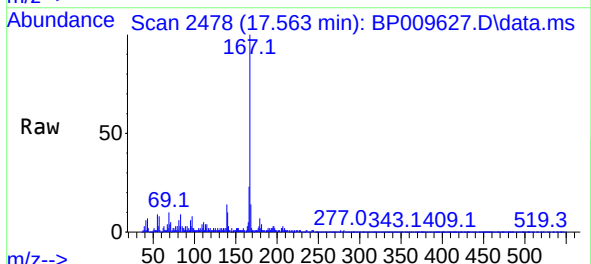
Manual Integrations
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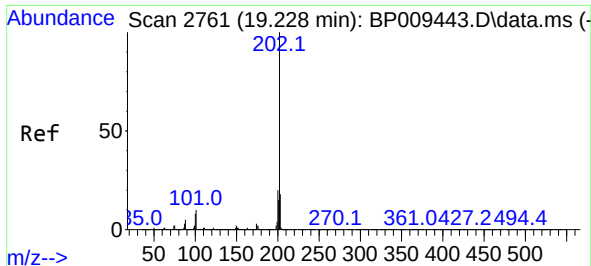
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#73
 Carbazole
 Concen: 2.65 ng
 RT: 17.563 min Scan# 2478
 Delta R.T. -0.006 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

Tgt Ion:167 Resp: 132305
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.2 25.8
 139 13.7 10.3 15.5





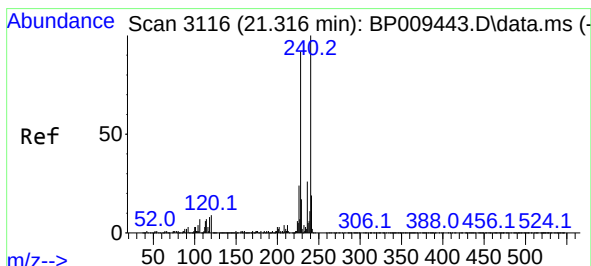
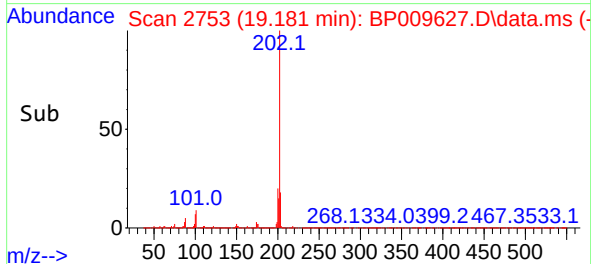
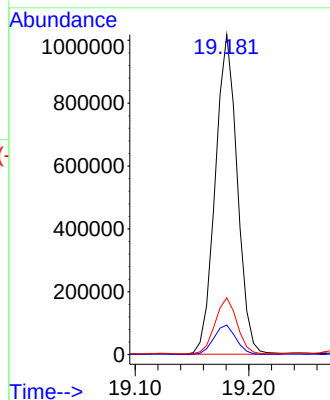
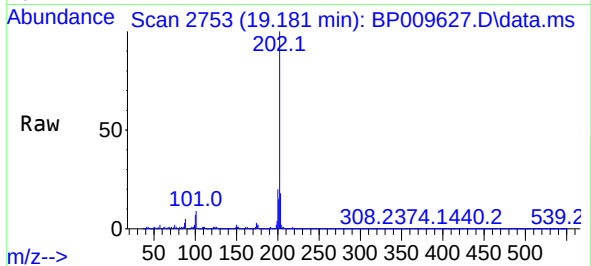
#75
Fluoranthene
Concen: 21.89 ng
RT: 19.181 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
22L076-C

Tgt Ion:202 Resp: 136882
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.5
203 17.8 0.0 37.8

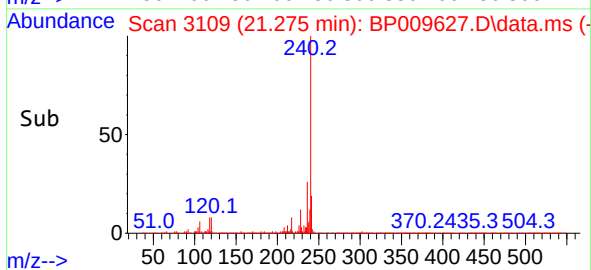
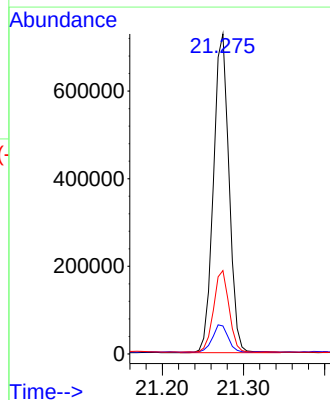
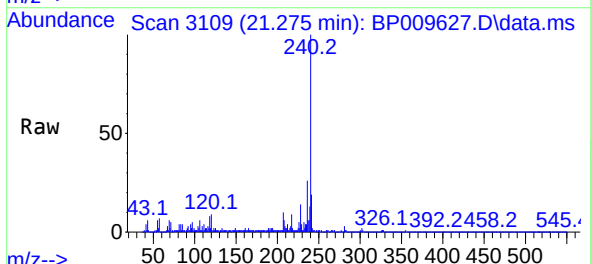
Manual Integrations
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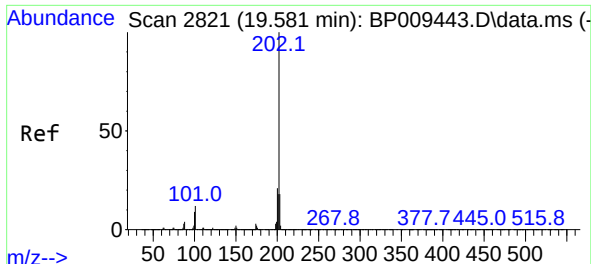
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.275 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

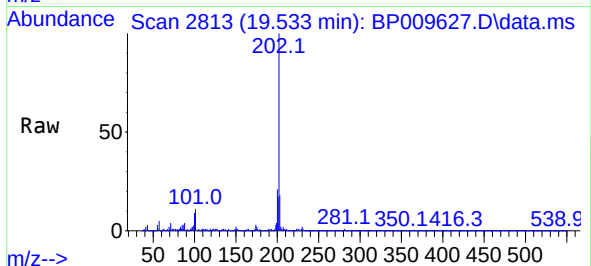
Tgt Ion:240 Resp: 967895
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.4#
236 26.1 20.6 30.8





#78
Pyrene
Concen: 21.60 ng
RT: 19.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

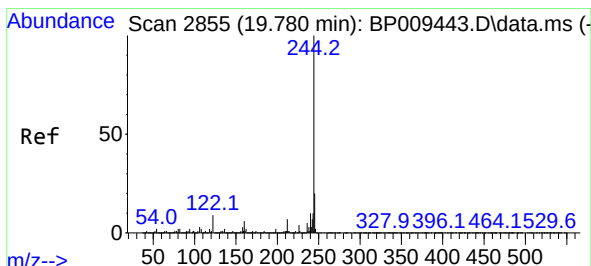
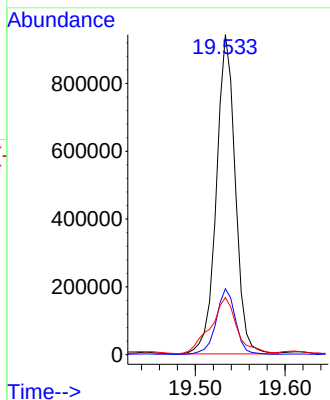
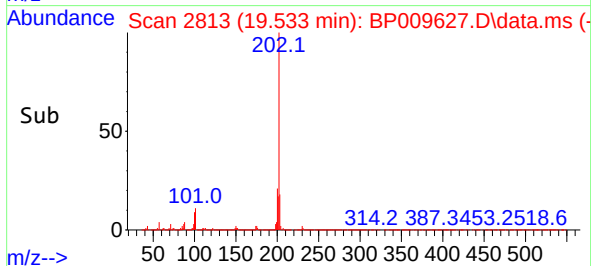
Instrument :
BNA_P
ClientSampleId :
22L076-C



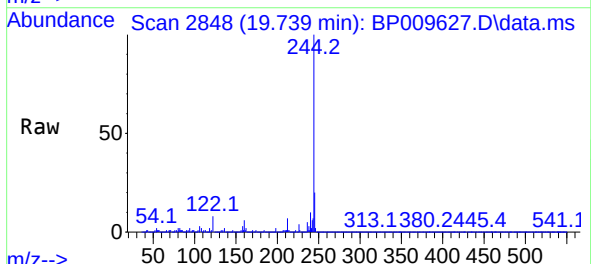
Tgt Ion:202 Resp: 1377929
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.9 14.2 21.4

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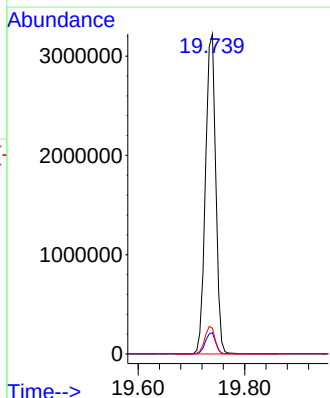
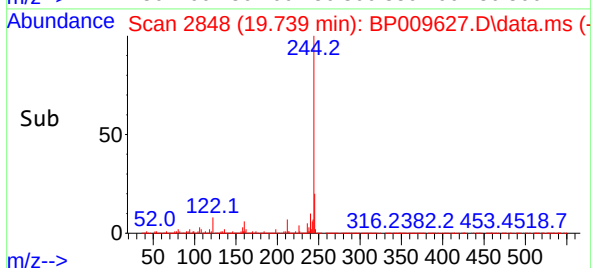
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

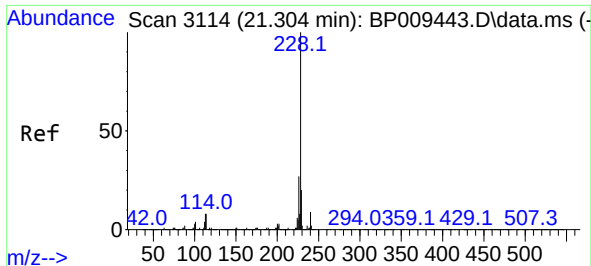


#79
Terphenyl-d14
Concen: 79.60 ng
RT: 19.739 min Scan# 2848
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54



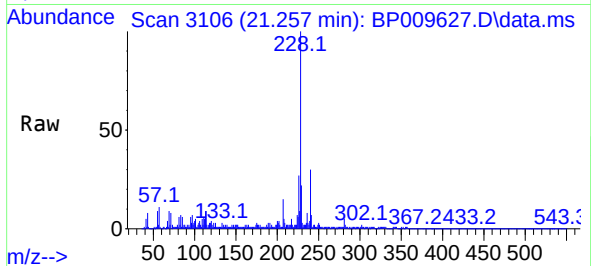
Tgt Ion:244 Resp: 4292586
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 8.1 8.3 12.5





#81
Benzo(a)anthracene
Concen: 10.93 ng
RT: 21.257 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

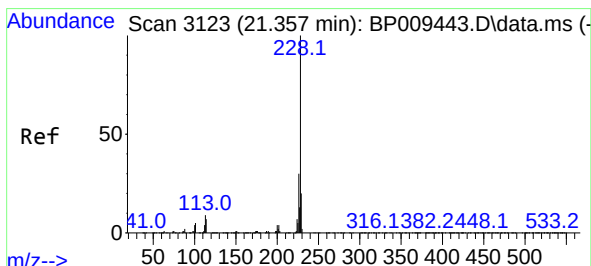
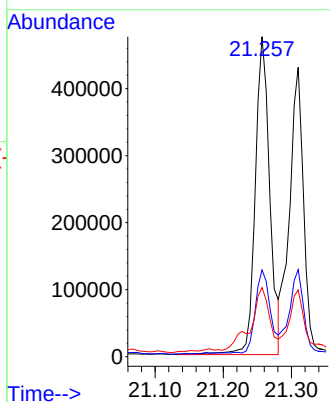
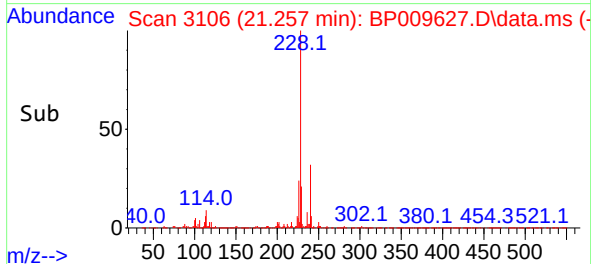
Instrument :
BNA_P
ClientSampleId :
22L076-C



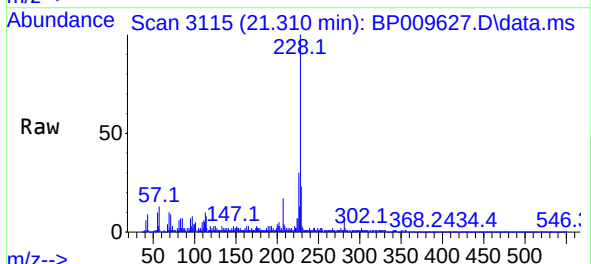
Tgt Ion:228 Resp: 69520
Ion Ratio Lower Upper
228 100
226 27.1 22.0 33.0
229 21.6 16.1 24.1

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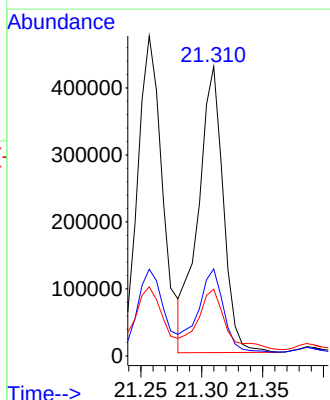
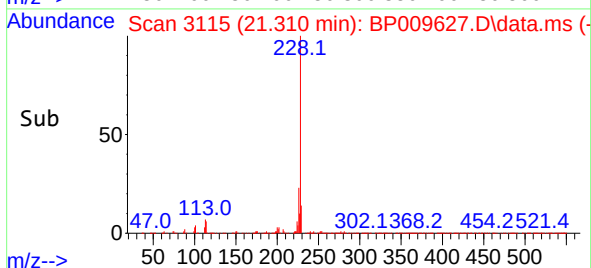
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

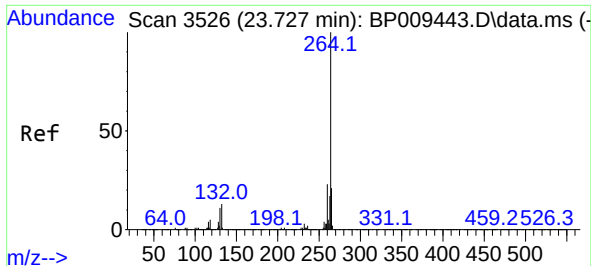


#83
Chrysene
Concen: 10.20 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54



Tgt Ion:228 Resp: 614485
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 23.1 16.1 24.1





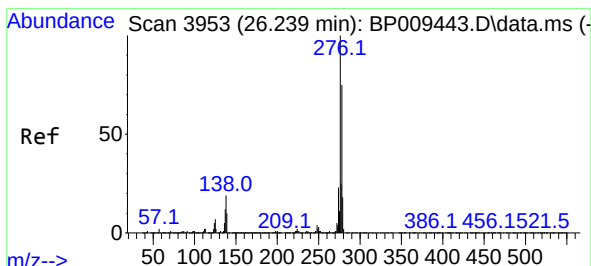
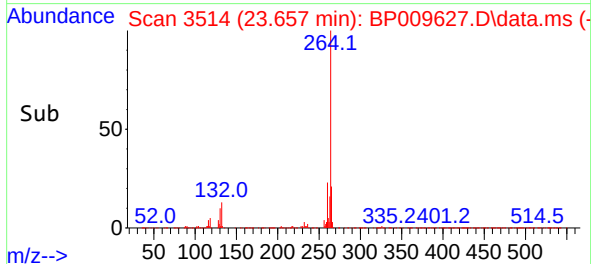
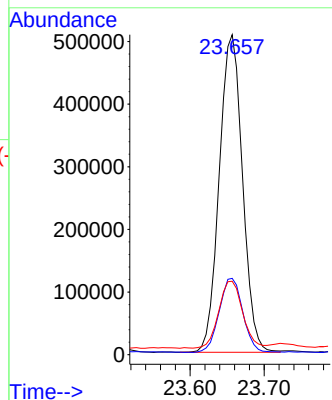
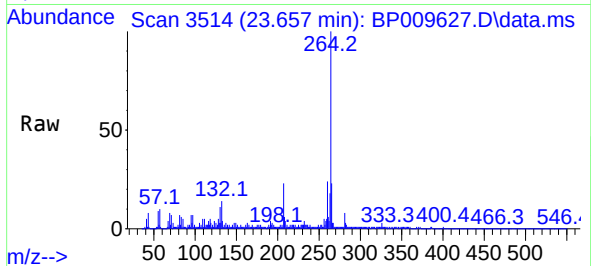
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.657 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
22L076-C

Tgt Ion:264 Resp: 110453
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 22.9 17.2 25.8

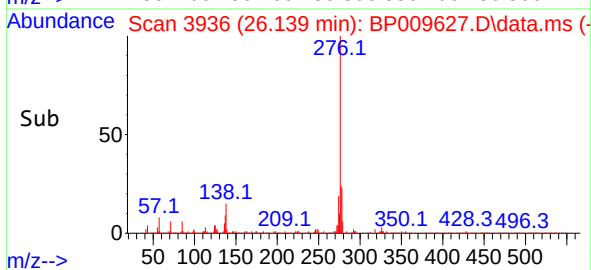
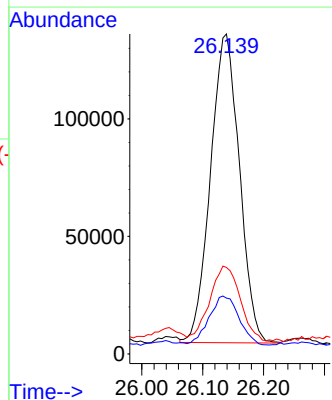
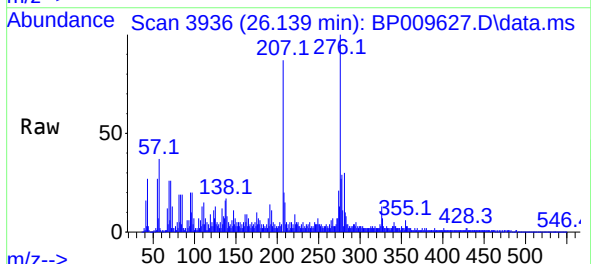
Manual Integrations
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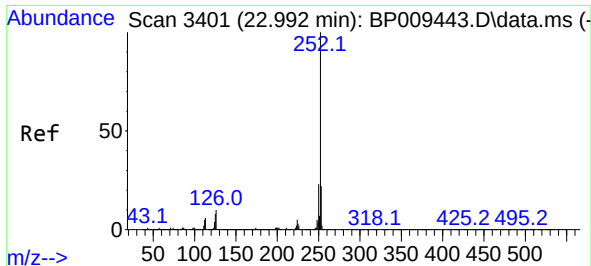
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.17 ng
RT: 26.139 min Scan# 3936
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

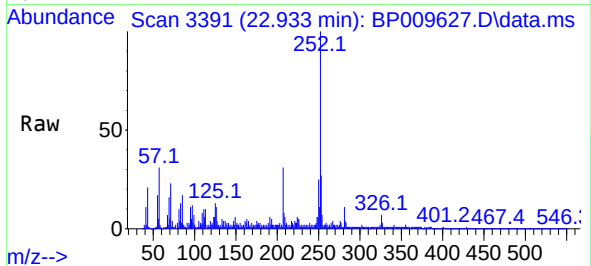
Tgt Ion:276 Resp: 433204
Ion Ratio Lower Upper
276 100
138 16.5 20.5 30.7#
277 25.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 12.79 ng
RT: 22.933 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

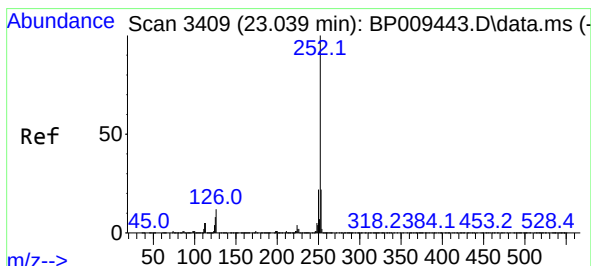
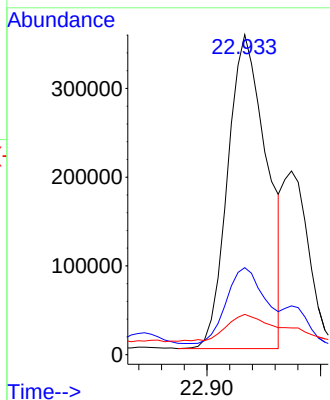
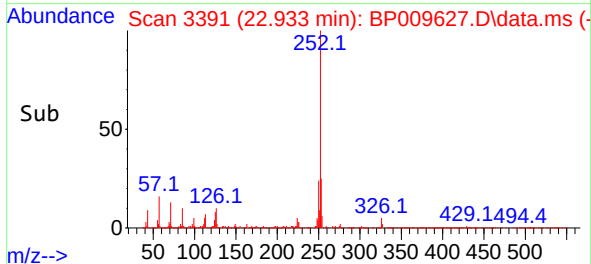
Instrument :
BNA_P
ClientSampleId :
22L076-C



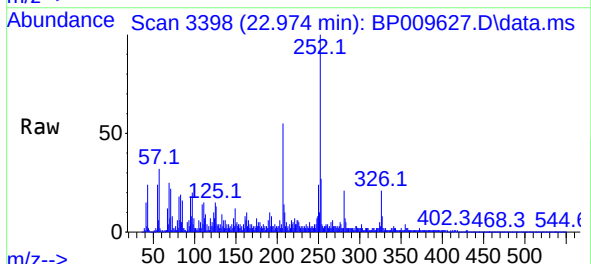
Tgt Ion:252 Resp: 843329
Ion Ratio Lower Upper
252 100
253 27.2 17.8 26.8#
125 12.6 8.1 12.1#

Manual Integrations
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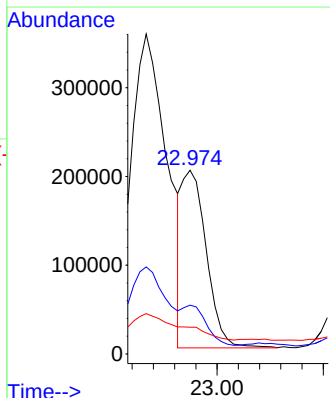
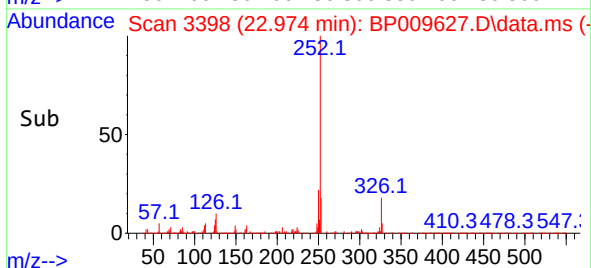
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

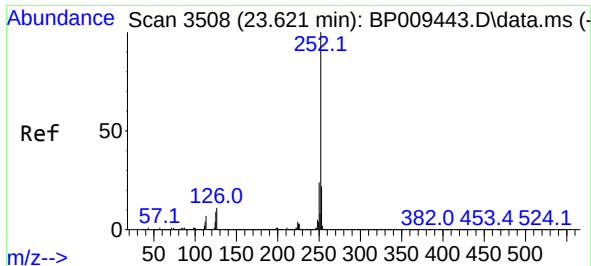


#89
Benzo(k)fluoranthene
Concen: 4.95 ng m
RT: 22.974 min Scan# 3398
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54



Tgt Ion:252 Resp: 319632
Ion Ratio Lower Upper
252 100
253 26.5 17.5 26.3#
125 14.5 8.3 12.5#





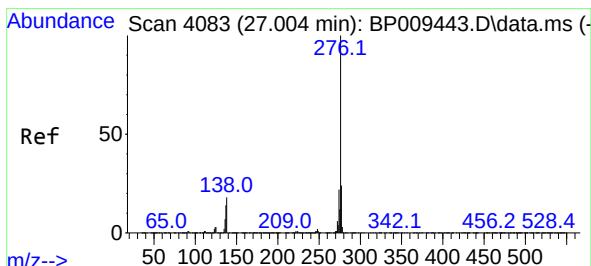
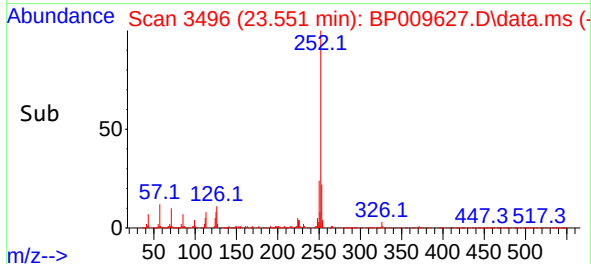
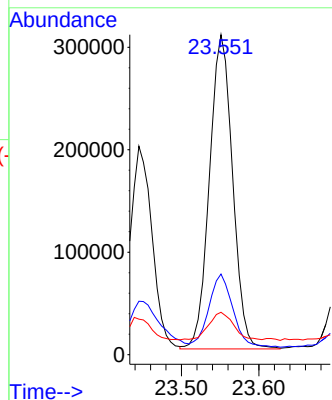
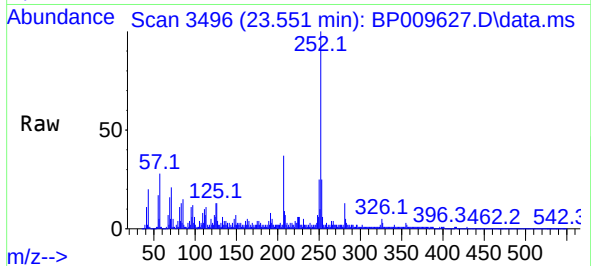
#90
Benzo(a)pyrene
Concen: 11.31 ng
RT: 23.551 min Scan# 34
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Instrument :
BNA_P
ClientSampleId :
22L076-C

Tgt Ion: 252 Resp: 637792
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 13.3 9.3 13.9

Manual Integrations
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Reviewed By : Christian Giraldo 03/31/2022
Supervised By : Jagrut Upadhyay 03/31/2022



#92
Benzo(g,h,i)perylene
Concen: 6.58 ng
RT: 26.898 min Scan# 4065
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion: 276 Resp: 451755
Ion Ratio Lower Upper
276 100
277 26.9 19.2 28.8
138 18.8 18.0 27.0

