

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
 Data File : BP008671.D
 Acq On : 04 Jan 2022 20:25
 Operator : CG/JU
 Sample : M5254-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 361

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/05/2022
 Supervised By : Jagrut Upadhyay 01/05/2022

Quant Time: Jan 05 04:27:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 08:44:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	523450	20.000	ng	-0.01
21) Naphthalene-d8	10.687	136	1817546	20.000	ng	-0.01
39) Acenaphthene-d10	14.516	164	999770	20.000	ng	-0.01
64) Phenanthrene-d10	17.263	188	1905197	20.000	ng	-0.01
76) Chrysene-d12	21.345	240	2131533	20.000	ng	-0.02
86) Perylene-d12	23.768	264	2513152	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	3225796	112.483	ng	0.00
7) Phenol-d6	7.058	99	3683254	92.273	ng	0.00
23) Nitrobenzene-d5	9.040	82	2309352	75.586	ng	-0.02
42) 2,4,6-Tribromophenol	16.004	330	1443203	106.695	ng	-0.01
45) 2-Fluorobiphenyl	13.146	172	5568675	80.699	ng	-0.01
79) Terphenyl-d14	19.822	244	6973309	66.797	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.234	152	736802	8.277	ng	99
52) Acenaphthene	14.581	154	207945	3.570	ng	98
58) Fluorene	15.563	166	310821	4.272	ng	97
71) Phenanthrene	17.304	178	4133771	40.245	ng	98
72) Anthracene	17.398	178	1085577	10.847	ng	98
73) Carbazole	17.669	167	250902	2.554	ng	99
75) Fluoranthene	19.275	202	5950210	50.362	ng	97
78) Pyrene	19.622	202	6250102	45.072	ng	99
81) Benzo(a)anthracene	21.333	228	2701567	19.537	ng	95
83) Chrysene	21.380	228	3191995	24.686	ng	98
87) Indeno(1,2,3-cd)pyrene	26.280	276	1706041	10.106	ng	96
88) Benzo(b)fluoranthene	23.033	252	3366559m	20.830	ng	
89) Benzo(k)fluoranthene	23.063	252	1079433m	6.718	ng	
90) Benzo(a)pyrene	23.657	252	2519708	19.339	ng	99
91) Dibenzo(a,h)anthracene	26.292	278	464759	3.264	ng	# 89
92) Benzo(g,h,i)perylene	27.051	276	1855993	13.938	ng	96

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

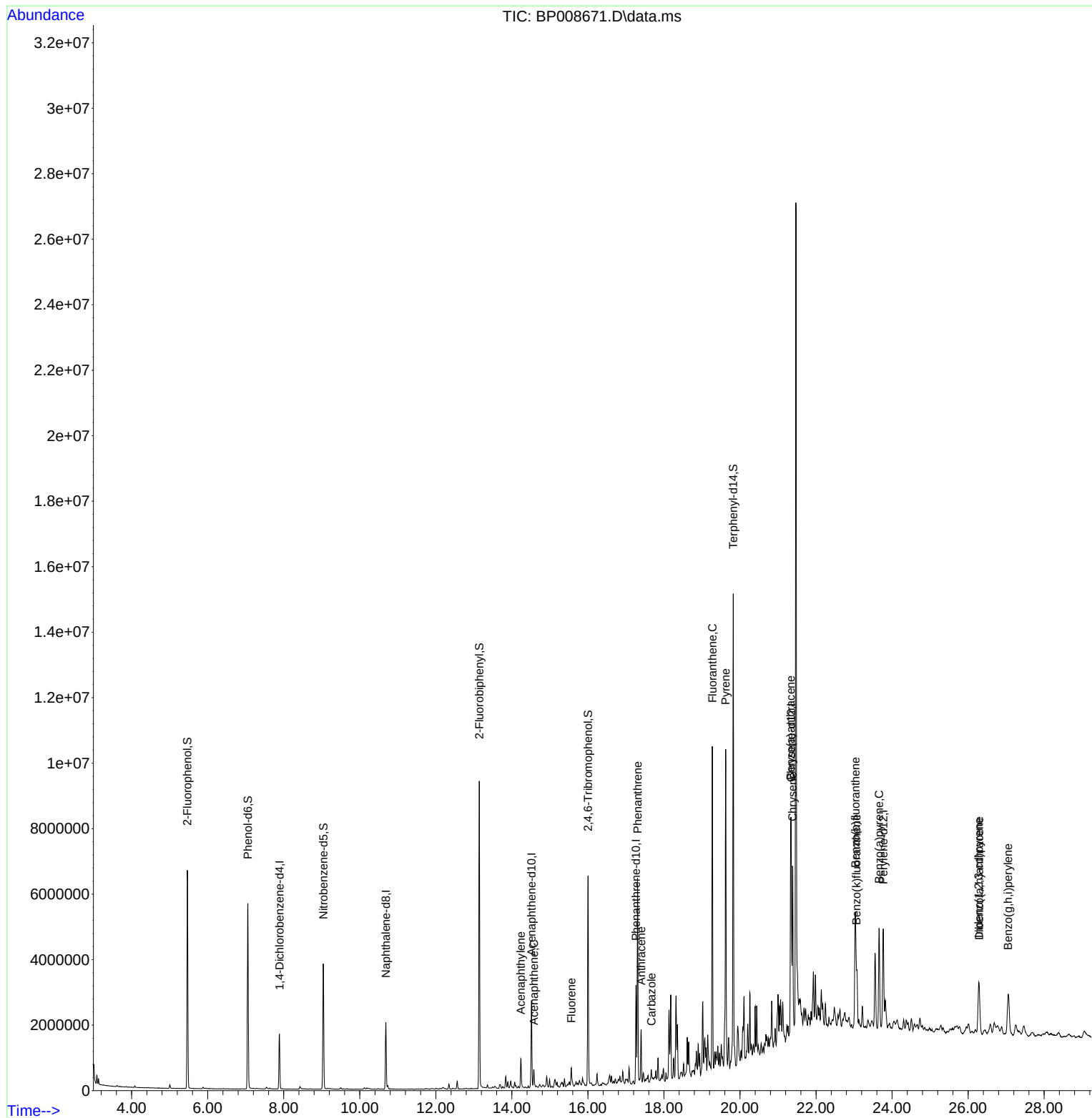
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010422\
Data File : BP008671.D
Acq On : 04 Jan 2022 20:25
Operator : CG/JU
Sample : M5254-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

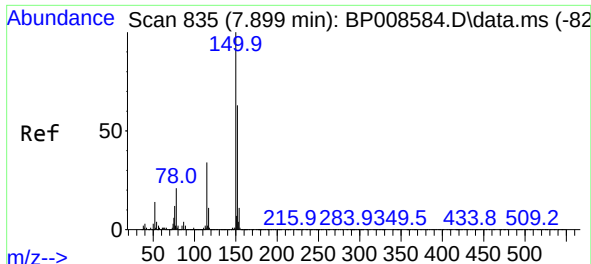
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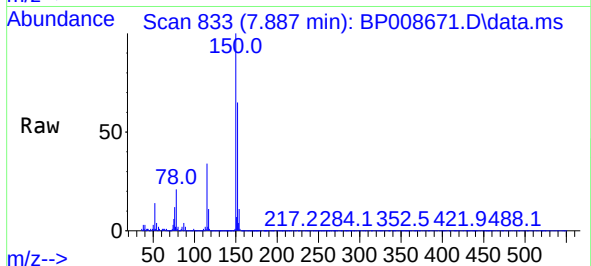
Quant Time: Jan 05 04:27:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 30 08:44:33 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

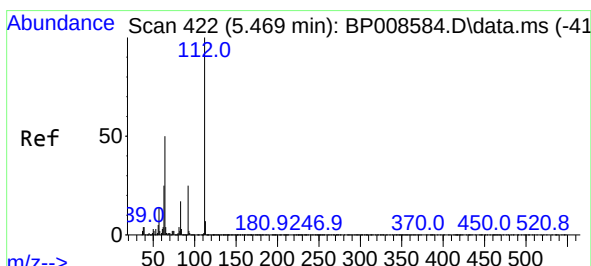
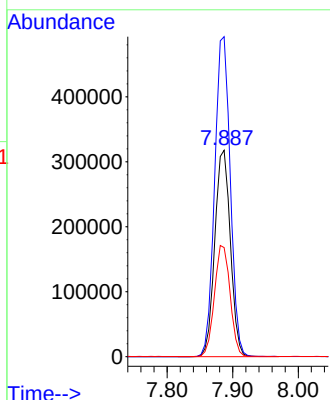
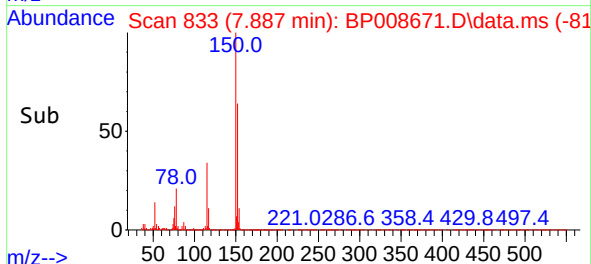
Instrument :
BNA_P
ClientSampleId :
361



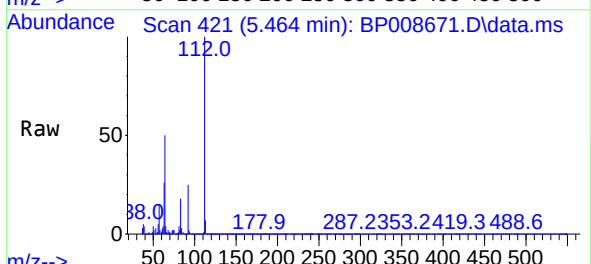
Tgt Ion:152 Resp: 523450
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.6
115 52.9 43.7 65.5

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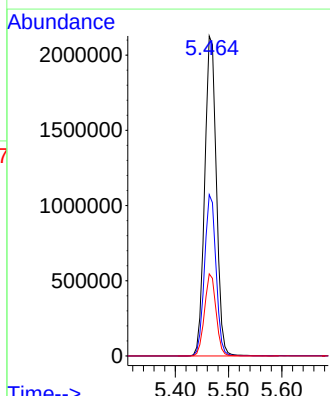
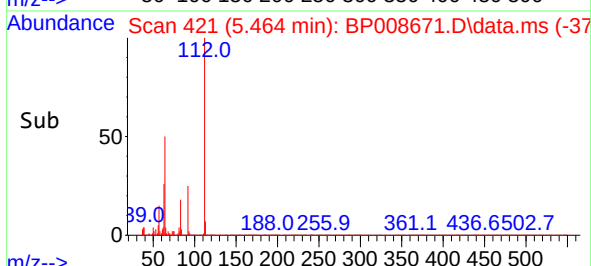
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022

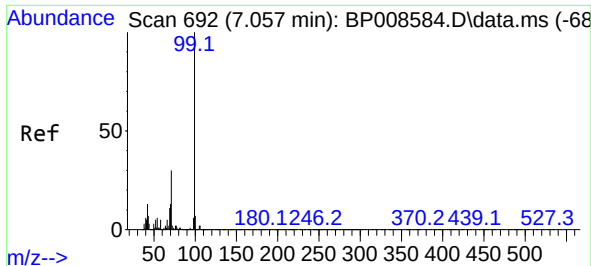


#5
2-Fluorophenol
Concen: 112.483 ng
RT: 5.464 min Scan# 421
Delta R.T. -0.006 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25



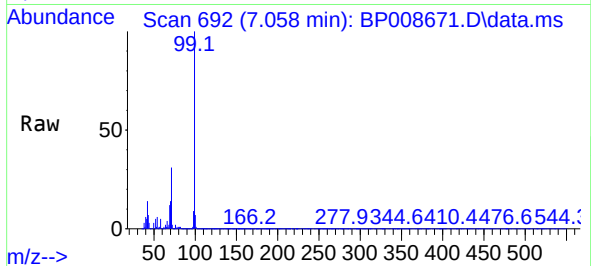
Tgt Ion:112 Resp: 3225796
Ion Ratio Lower Upper
112 100
64 50.4 39.7 59.5
63 25.7 20.0 30.0





#7
Phenol-d6
Concen: 92.273 ng
RT: 7.058 min Scan# 692
Delta R.T. 0.000 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

Instrument :
BNA_P
ClientSampleId :
361

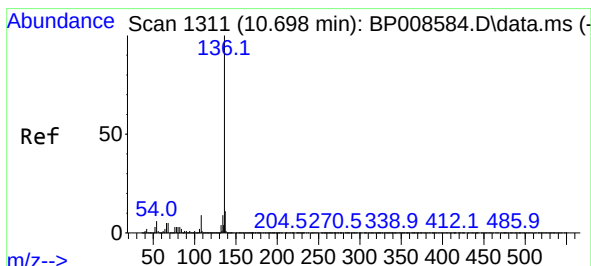
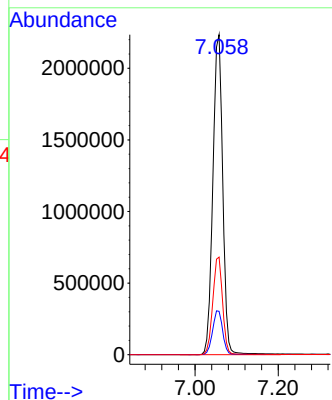


Tgt Ion: 99 Resp: 3683254

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.8	16.2
71	30.5	23.8	35.6

Manual Integrations
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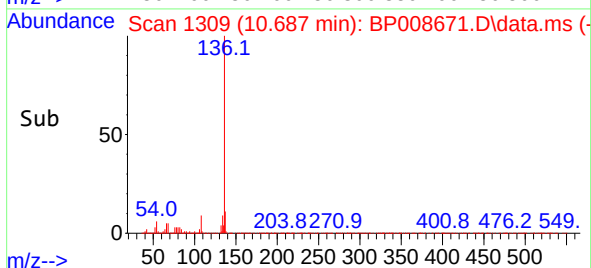
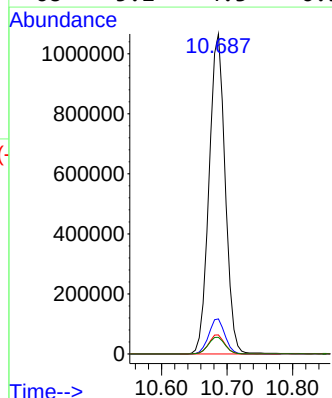
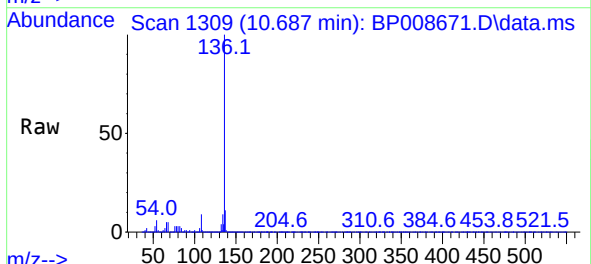
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022

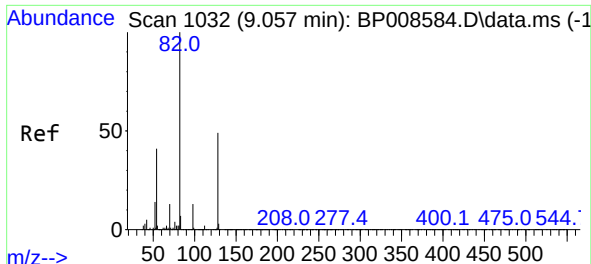


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

Tgt Ion:136 Resp: 1817546

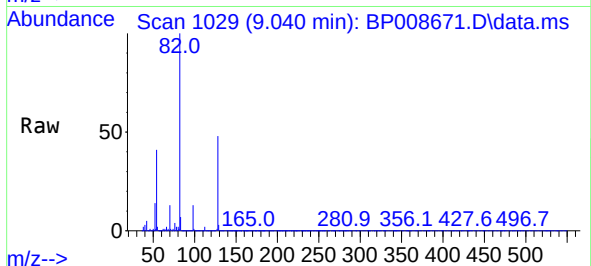
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.0	4.9	7.3
68	5.2	4.3	6.5





#23
Nitrobenzene-d5
Concen: 75.586 ng
RT: 9.040 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

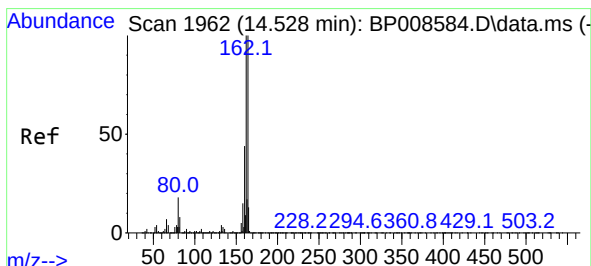
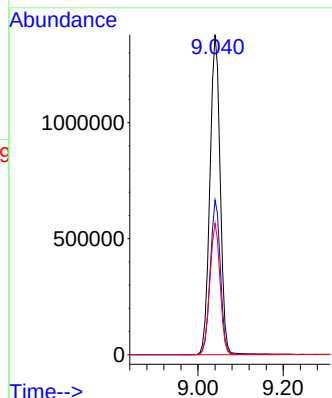
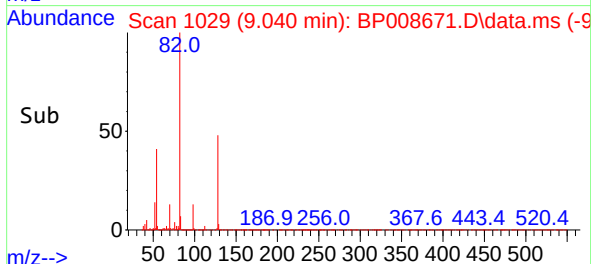
Instrument :
BNA_P
ClientSampleId :
361



Tgt Ion: 82 Resp: 230935
Ion Ratio Lower Upper
82 100
128 48.4 39.4 59.2
54 41.1 32.6 48.8

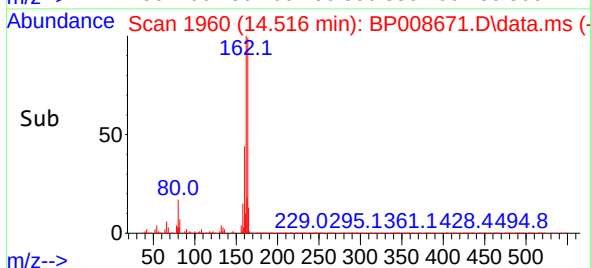
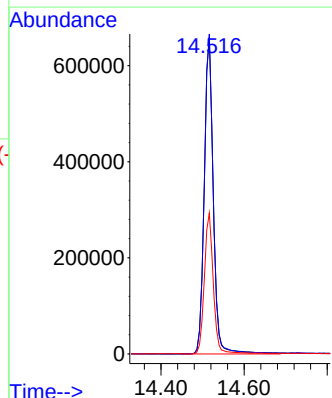
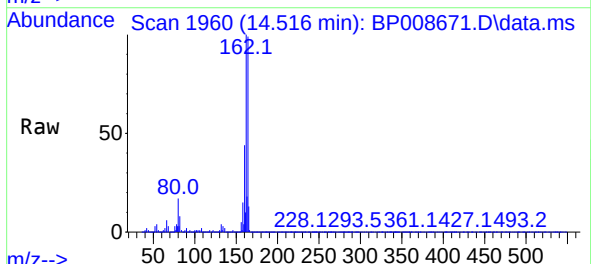
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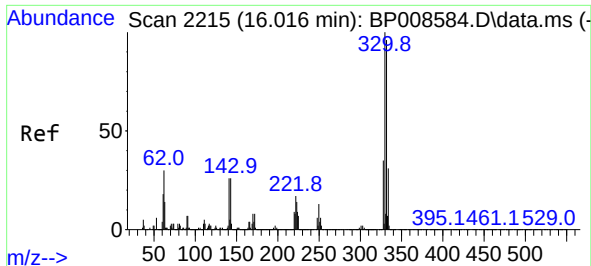
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

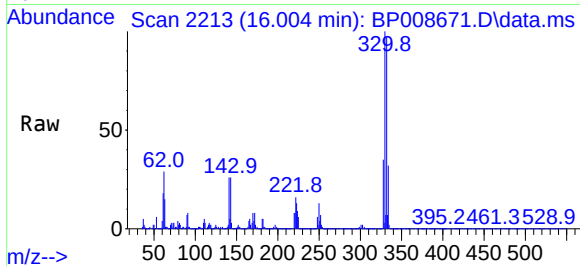
Tgt Ion:164 Resp: 999770
Ion Ratio Lower Upper
164 100
162 101.1 79.9 119.9
160 44.5 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 106.695 ng
RT: 16.004 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

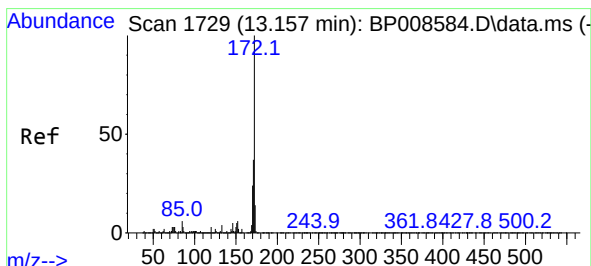
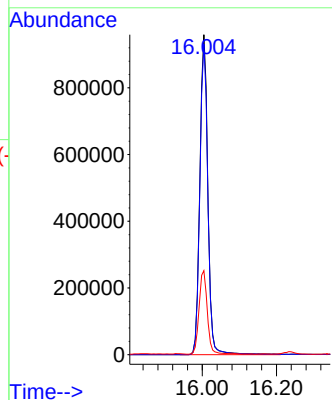
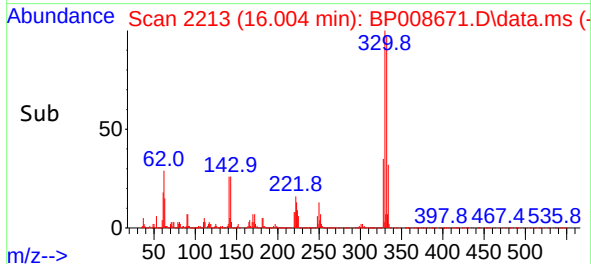
Instrument :
BNA_P
ClientSampleId :
361



Tgt Ion:330 Resp: 144320
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 26.5 21.3 31.9

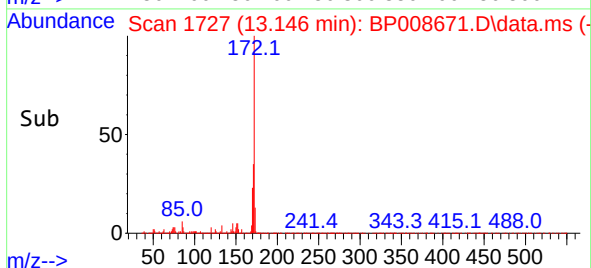
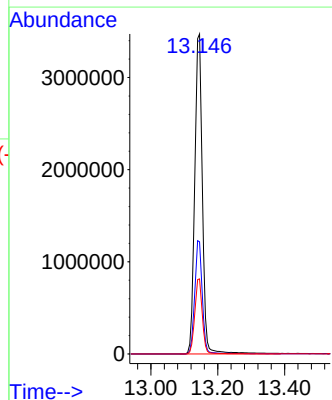
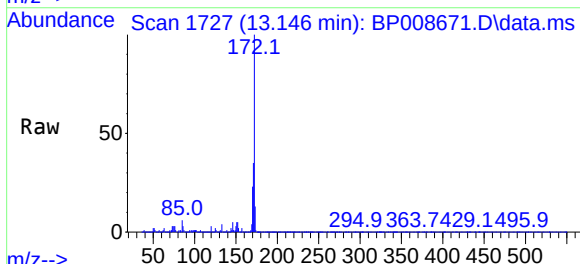
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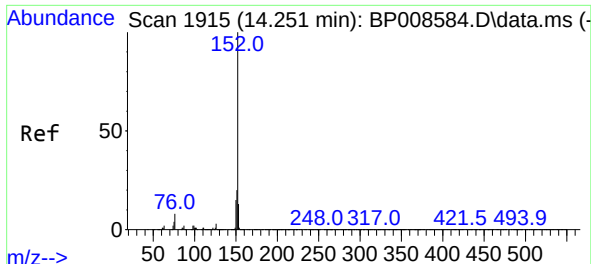
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#45
2-Fluorobiphenyl
Concen: 80.699 ng
RT: 13.146 min Scan# 1727
Delta R.T. -0.011 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

Tgt Ion:172 Resp: 5568675
Ion Ratio Lower Upper
172 100
171 35.0 29.3 43.9
170 23.5 19.5 29.3





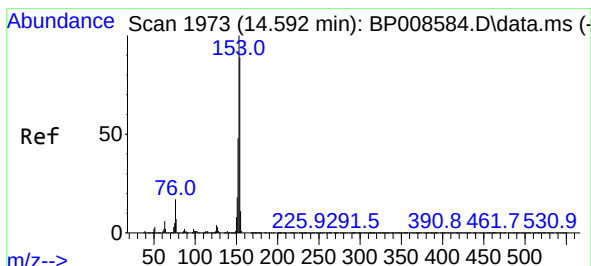
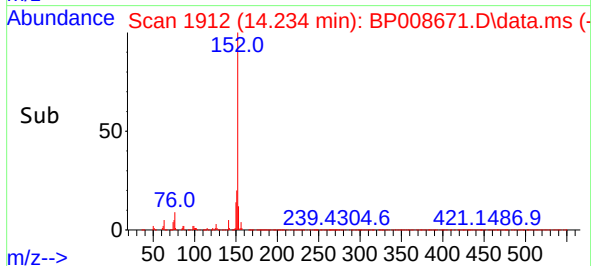
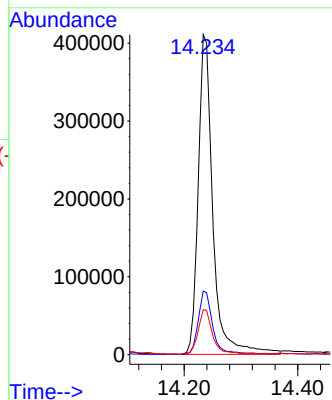
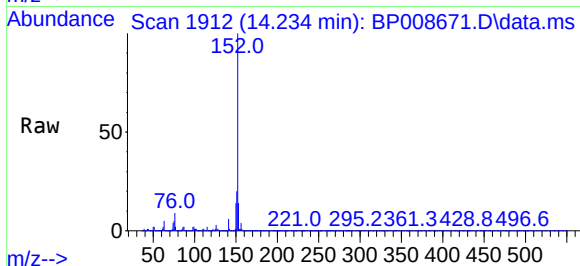
#49
Acenaphthylene
Concen: 8.277 ng
RT: 14.234 min Scan# 1912
Delta R.T. -0.017 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

Instrument :
BNA_P
ClientSampleId :
361

Tgt Ion:152 Resp: 736802
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 14.0 10.6 16.0

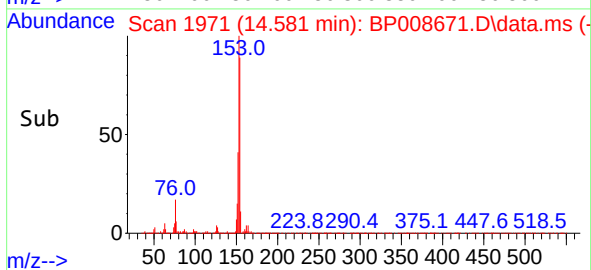
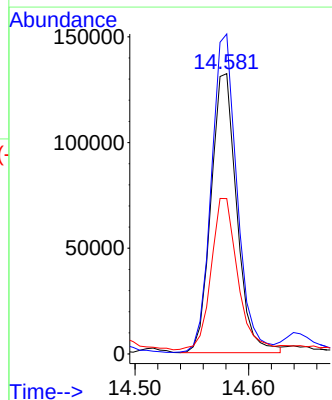
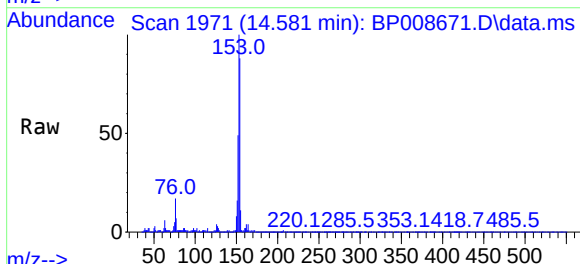
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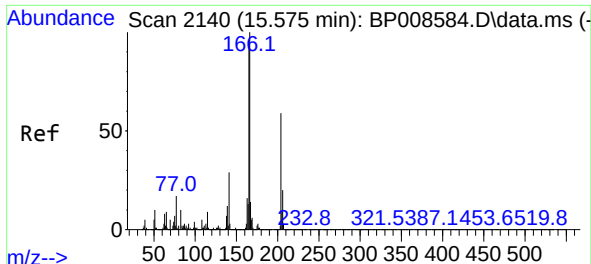
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#52
Acenaphthene
Concen: 3.570 ng
RT: 14.581 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

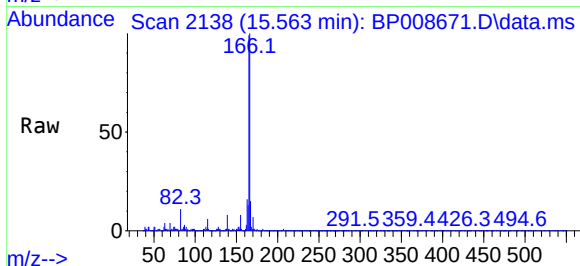
Tgt Ion:154 Resp: 207945
Ion Ratio Lower Upper
154 100
153 114.1 89.4 134.2
152 55.4 42.6 63.8





#58
Fluorene
Concen: 4.272 ng
RT: 15.563 min Scan# 2140
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

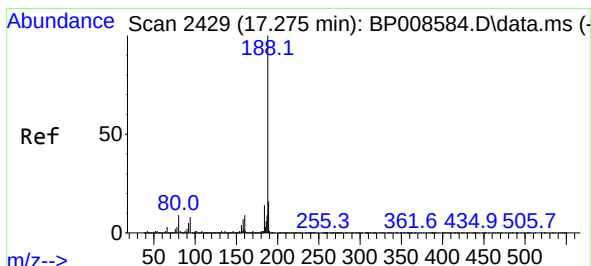
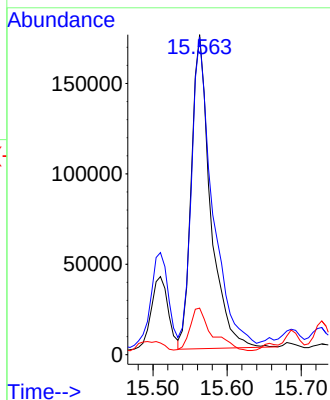
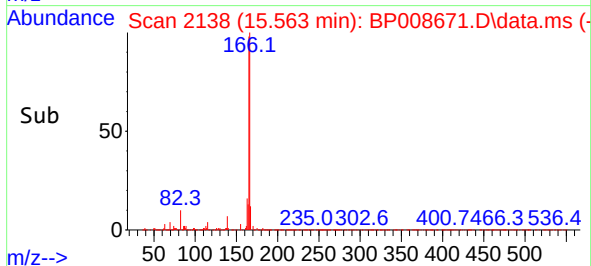
Instrument :
BNA_P
ClientSampleId :
361



Tgt Ion:166 Resp: 31082
Ion Ratio Lower Upper
166 100
165 99.3 77.2 115.8
167 14.6 11.2 16.8

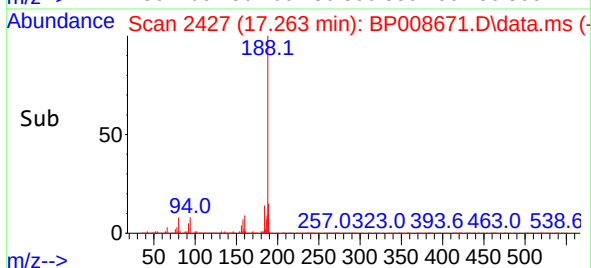
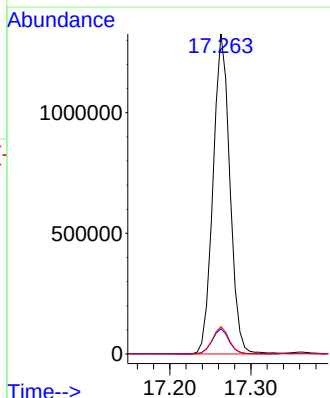
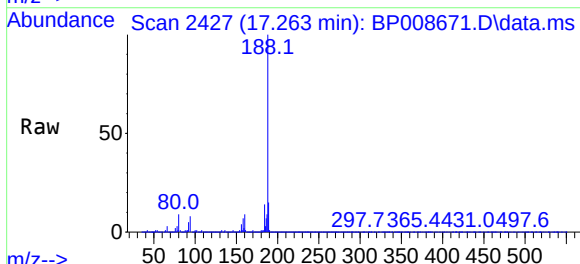
Manual Integrations
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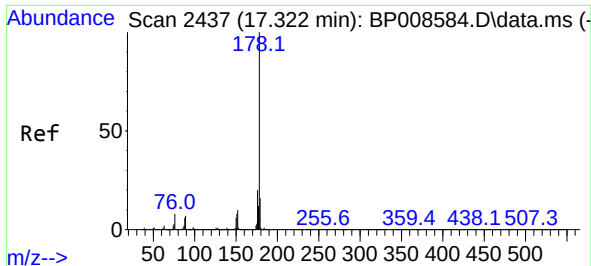
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

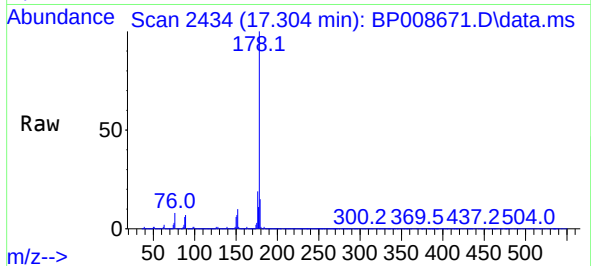
Tgt Ion:188 Resp: 1905197
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.5 7.2 10.8





#71
Phenanthrene
Concen: 40.245 ng
RT: 17.304 min Scan# 2437
Delta R.T. -0.018 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

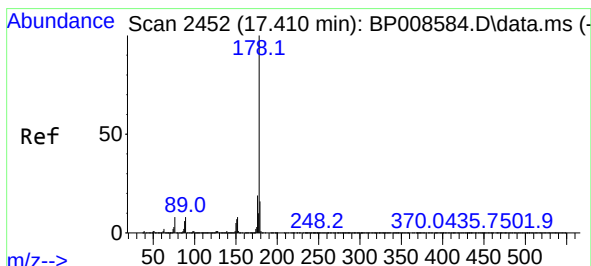
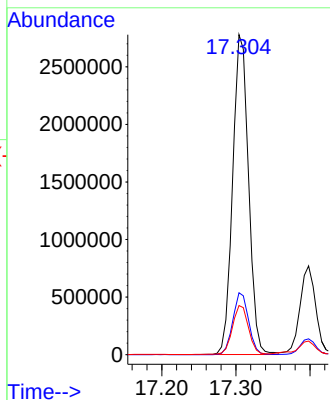
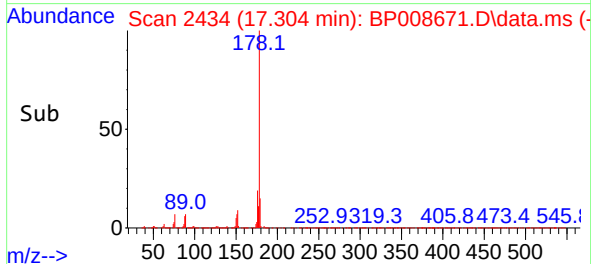
Instrument :
BNA_P
ClientSampleId :
361



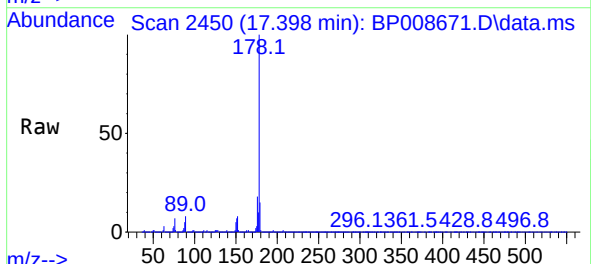
Tgt Ion:178 Resp: 413377
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.4 13.0 19.4

Manual Integrations
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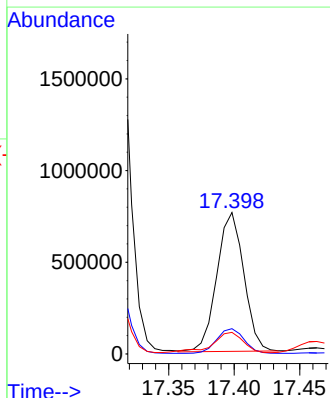
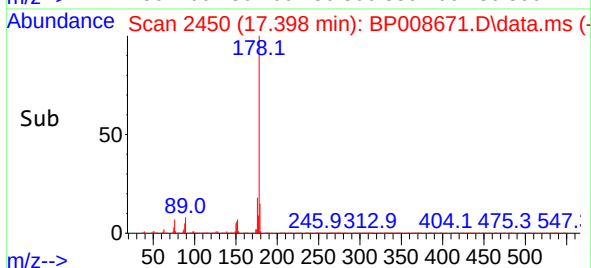
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022

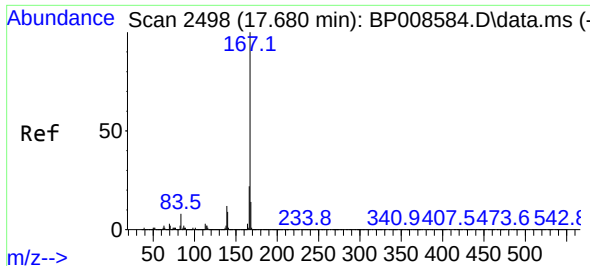


#72
Anthracene
Concen: 10.847 ng
RT: 17.398 min Scan# 2450
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25



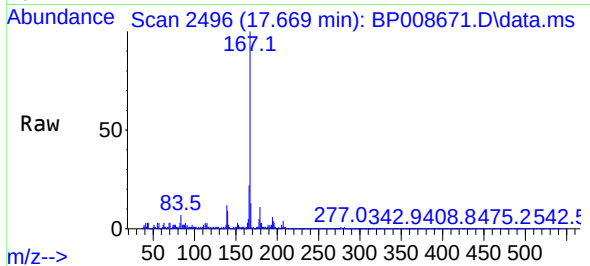
Tgt Ion:178 Resp: 1085577
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 15.3 12.8 19.2





#73
 Carbazole
 Concen: 2.554 ng
 RT: 17.669 min Scan# 2498
 Delta R.T. -0.011 min
 Lab File: BP008671.D
 Acq: 04 Jan 2022 20:25

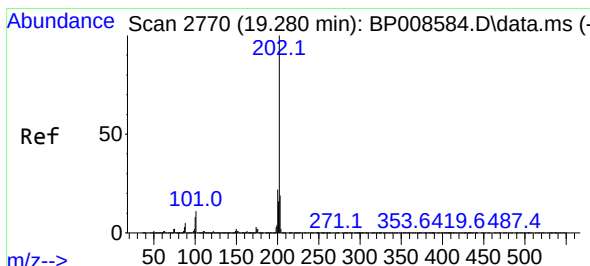
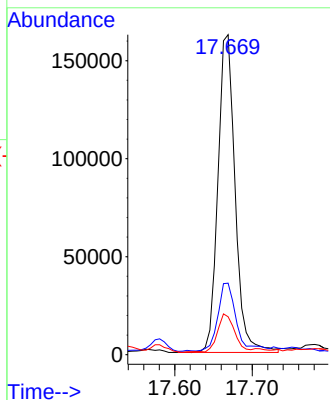
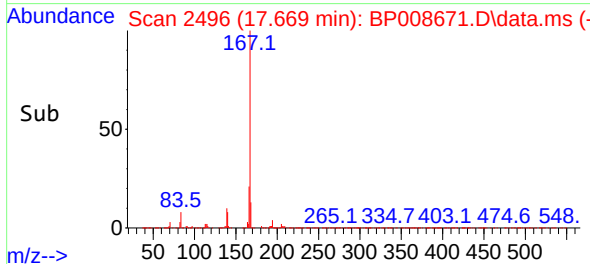
Instrument :
 BNA_P
 ClientSampleId :
 361



Tgt Ion:167 Resp: 250902
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.7 26.5
 139 11.9 9.8 14.6

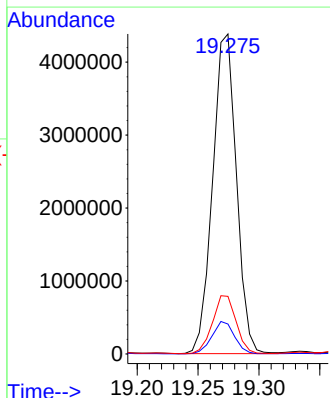
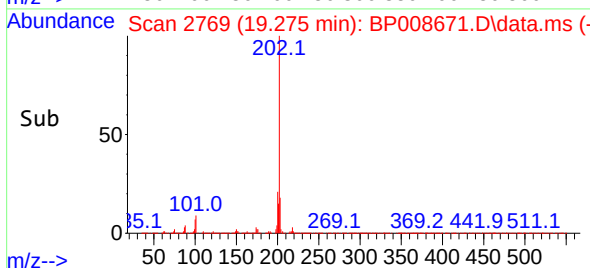
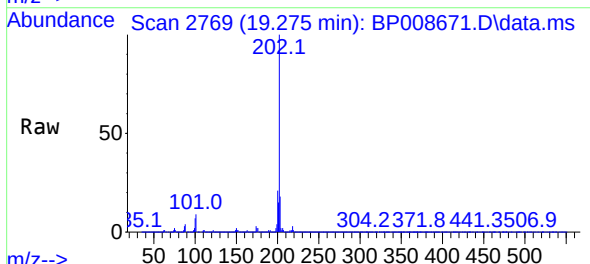
Manual Integrations
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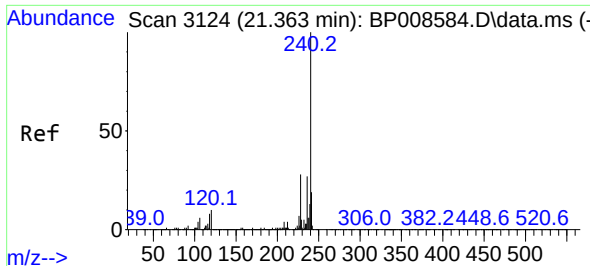
Reviewed By :Christian Giraldo 01/05/2022
 Supervised By :Jagrut Upadhyay 01/05/2022



#75
 Fluoranthene
 Concen: 50.362 ng
 RT: 19.275 min Scan# 2769
 Delta R.T. -0.005 min
 Lab File: BP008671.D
 Acq: 04 Jan 2022 20:25

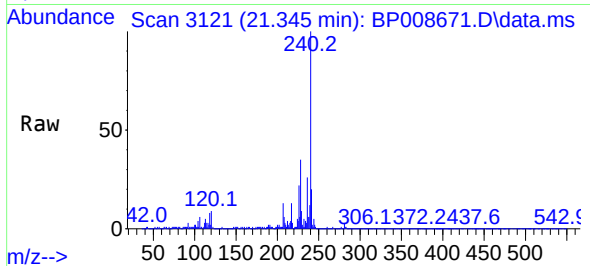
Tgt Ion:202 Resp: 5950210
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 30.7
 203 18.0 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.345 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

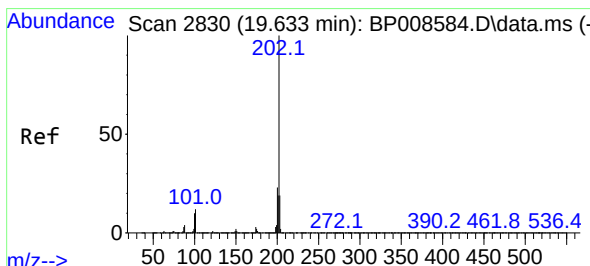
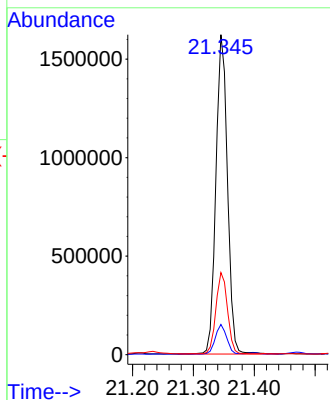
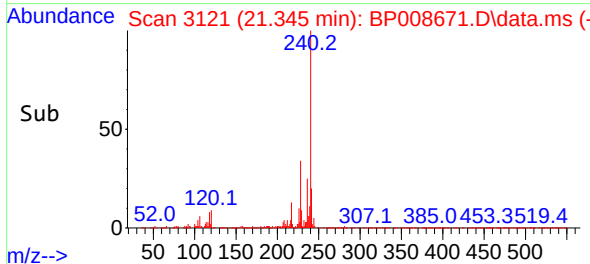
Instrument :
BNA_P
ClientSampleId :
361



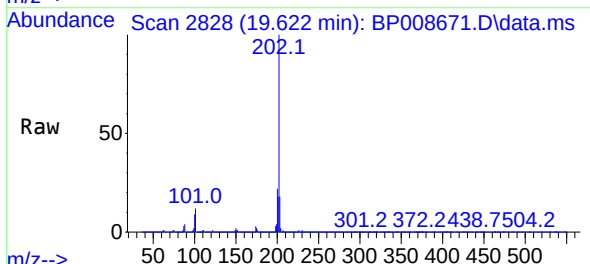
Tgt Ion:240 Resp: 213153
Ion Ratio Lower Upper
240 100
120 9.5 7.7 11.5
236 25.7 21.2 31.8

Manual Integrations
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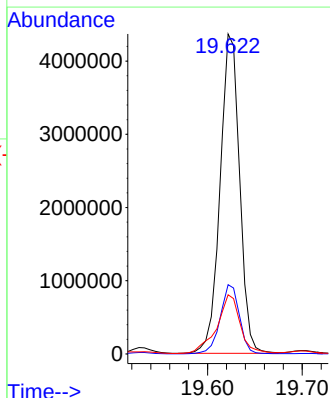
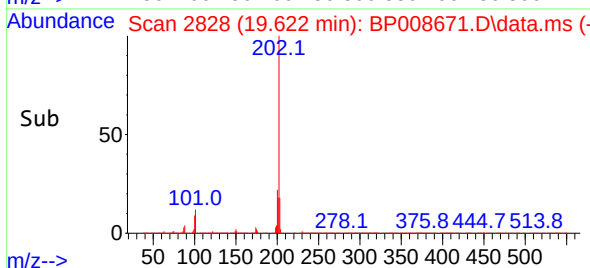
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022

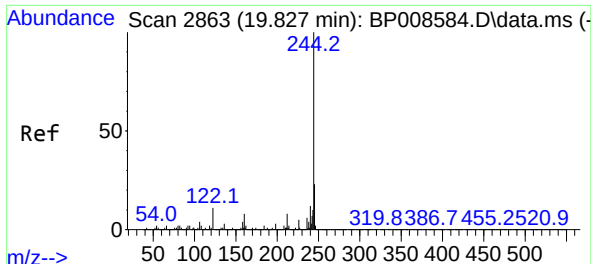


#78
Pyrene
Concen: 45.072 ng
RT: 19.622 min Scan# 2828
Delta R.T. -0.012 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25



Tgt Ion:202 Resp: 6250102
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 18.5 15.0 22.6





#79
 Terphenyl-d14
 Concen: 66.797 ng
 RT: 19.822 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BP008671.D
 Acq: 04 Jan 2022 20:25

Instrument :

BNA_P

ClientSampleId :

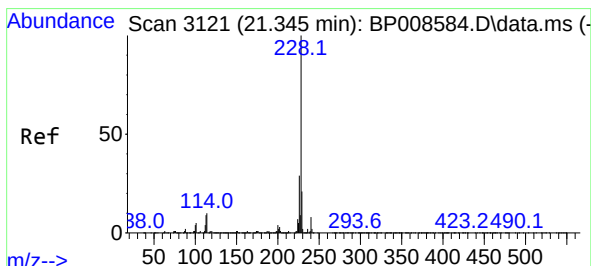
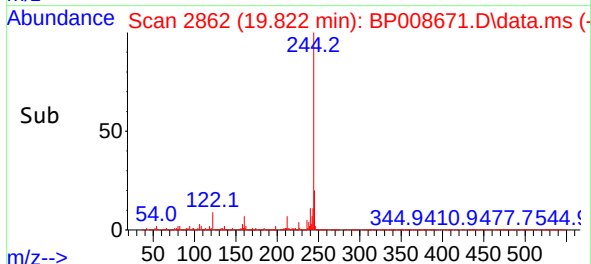
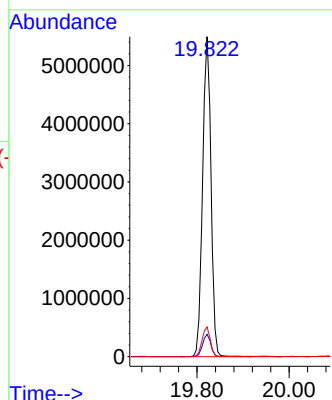
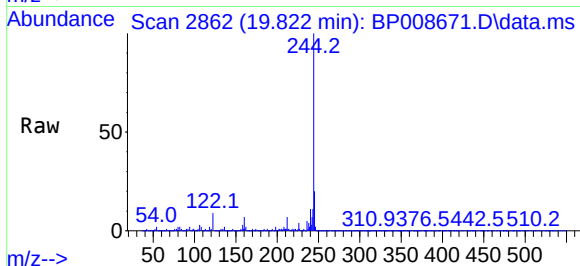
361

Tgt Ion:244 Resp: 6973309
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 9.3 9.2 13.8

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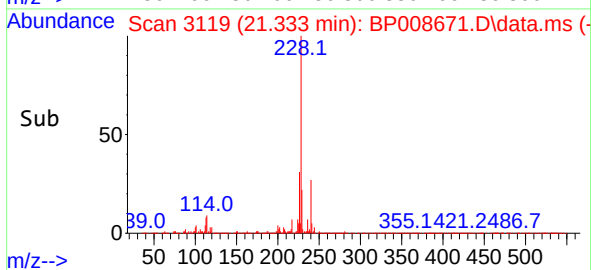
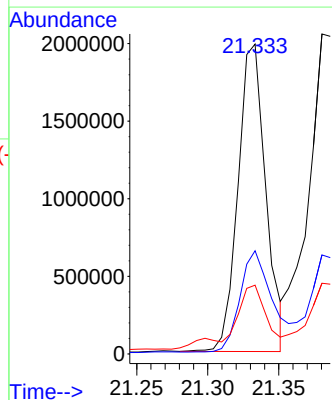
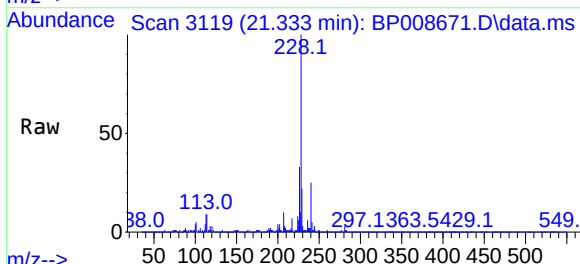
APPROVED

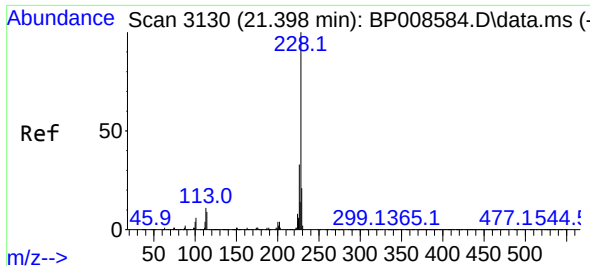
Reviewed By :Christian Giraldo 01/05/2022
 Supervised By :Jagrut Upadhyay 01/05/2022



#81
 Benzo(a)anthracene
 Concen: 19.537 ng
 RT: 21.333 min Scan# 3119
 Delta R.T. -0.012 min
 Lab File: BP008671.D
 Acq: 04 Jan 2022 20:25

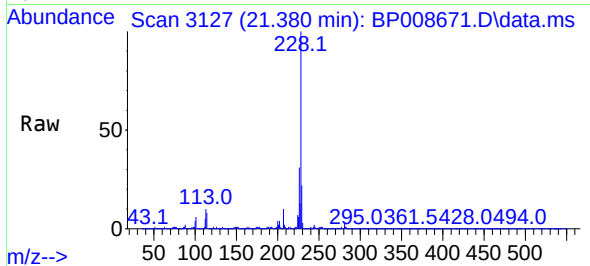
Tgt Ion:228 Resp: 2701567
 Ion Ratio Lower Upper
 228 100
 226 33.3 23.3 34.9
 229 22.2 17.0 25.6





#83
Chrysene
Concen: 24.686 ng
RT: 21.380 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

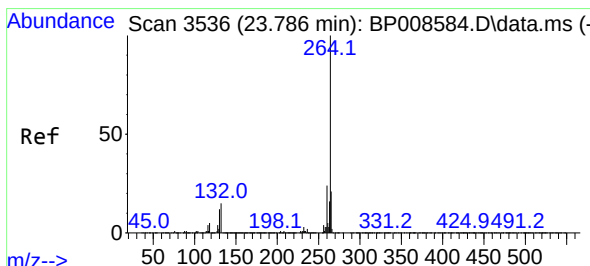
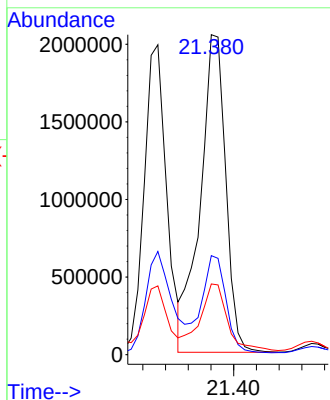
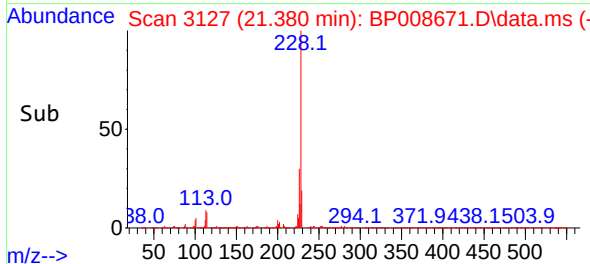
Instrument :
BNA_P
ClientSampleId :
361



Tgt Ion:228 Resp: 319199
Ion Ratio Lower Upper
228 100
226 31.0 26.0 39.0
229 22.1 16.9 25.3

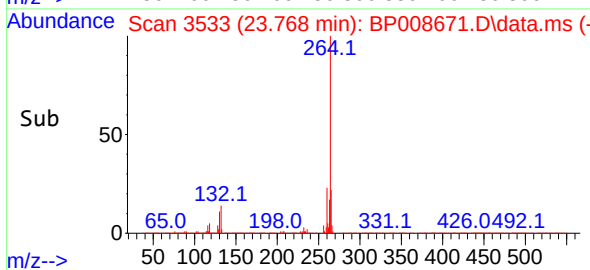
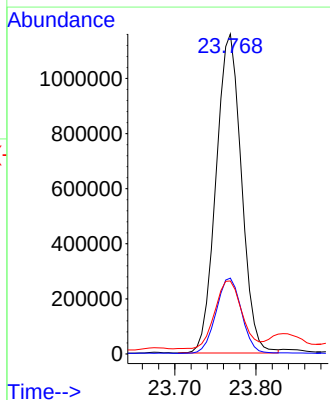
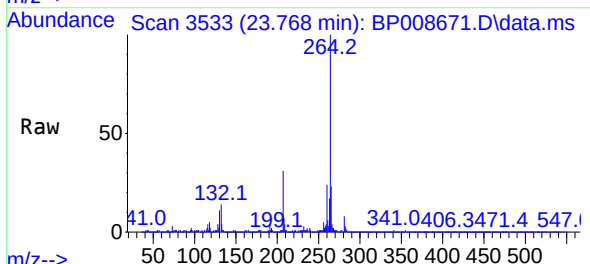
Manual Integrations
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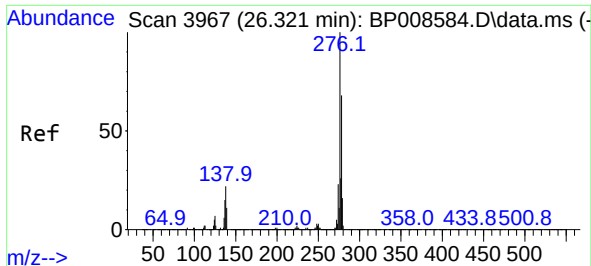
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.768 min Scan# 3533
Delta R.T. -0.018 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

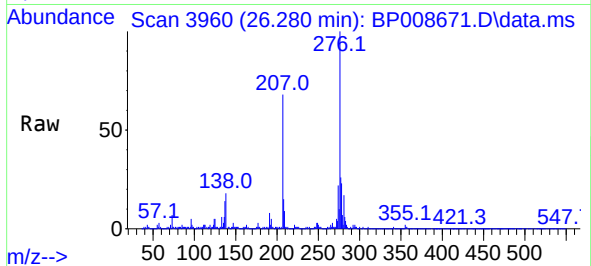
Tgt Ion:264 Resp: 2513152
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 22.8 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.106 ng
RT: 26.280 min Scan# 3408
Delta R.T. -0.041 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

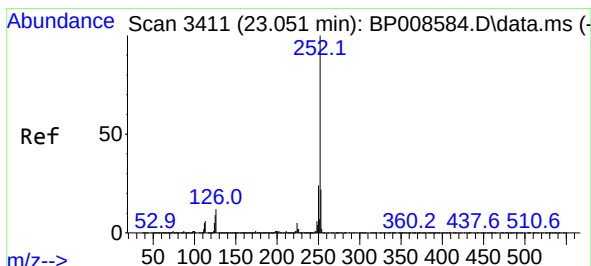
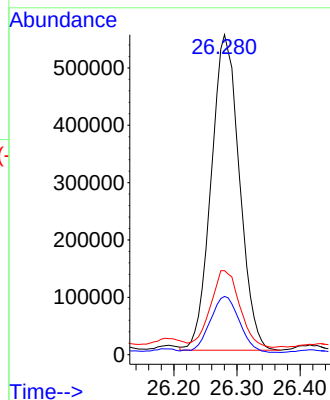
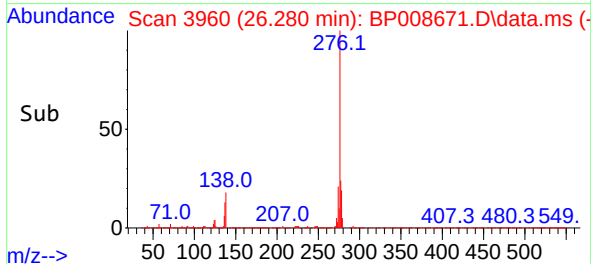
Instrument :
BNA_P
ClientSampleId :
361



Tgt Ion:276 Resp: 170604
Ion Ratio Lower Upper
276 100
138 18.5 17.8 26.6
277 25.2 20.4 30.6

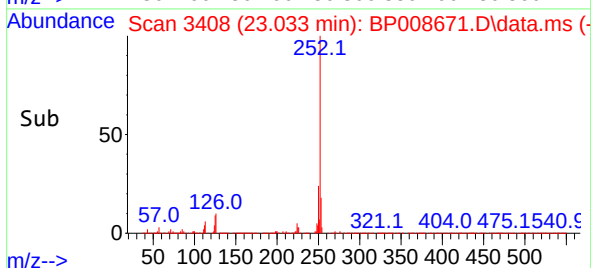
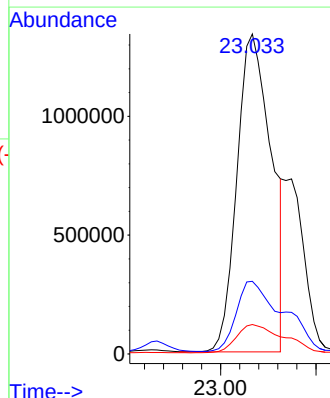
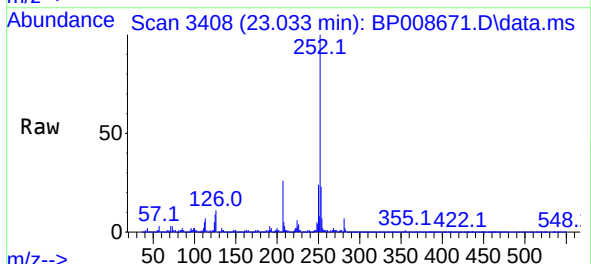
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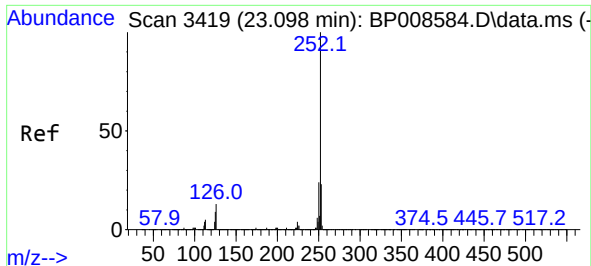
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#88
Benzo(b)fluoranthene
Concen: 20.830 ng m
RT: 23.033 min Scan# 3408
Delta R.T. -0.018 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

Tgt Ion:252 Resp: 3366559
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 9.2 6.9 10.3





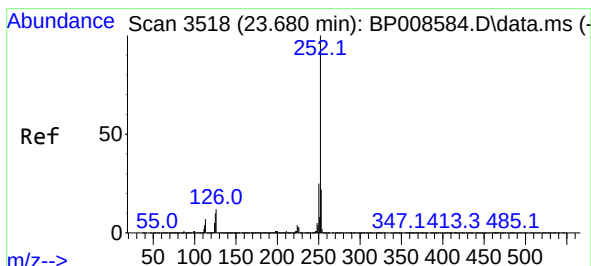
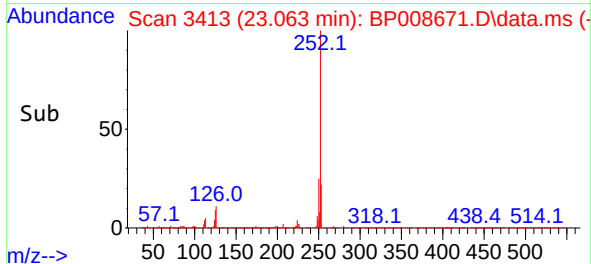
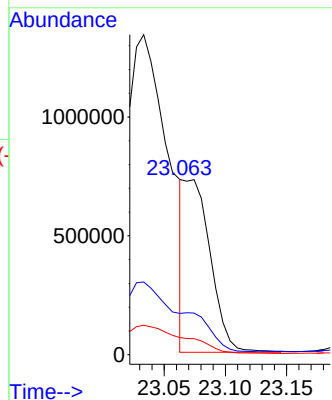
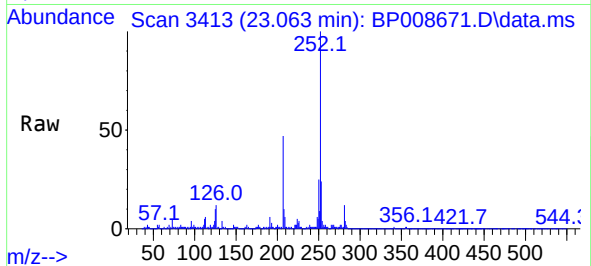
#89
Benzo(k)fluoranthene
Concen: 6.718 ng m
RT: 23.063 min Scan# 3419
Delta R.T. -0.035 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

Instrument :
BNA_P
ClientSampleId :
361

Tgt Ion:252 Resp: 107943
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 9.8 7.3 10.9

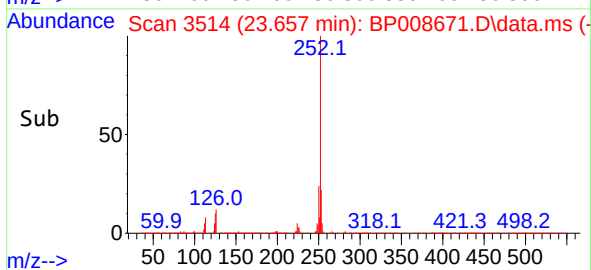
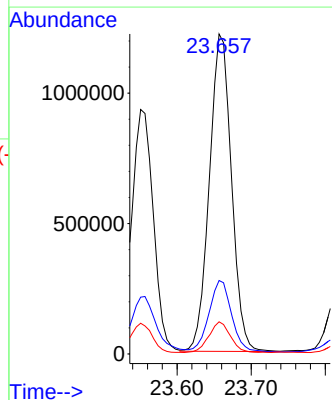
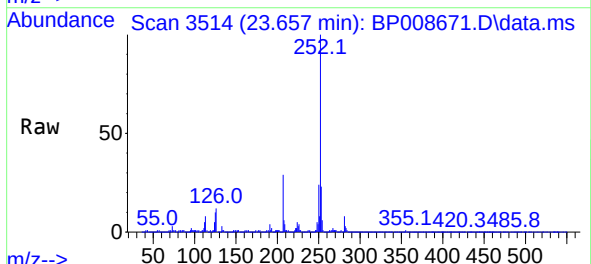
Manual Integrations
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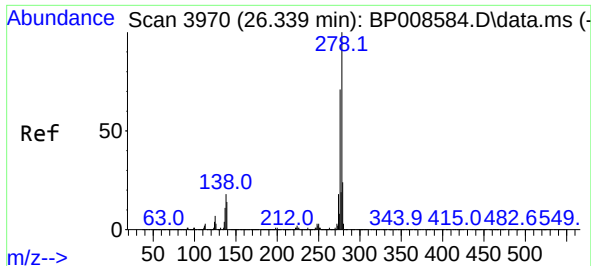
Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#90
Benzo(a)pyrene
Concen: 19.339 ng
RT: 23.657 min Scan# 3514
Delta R.T. -0.023 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

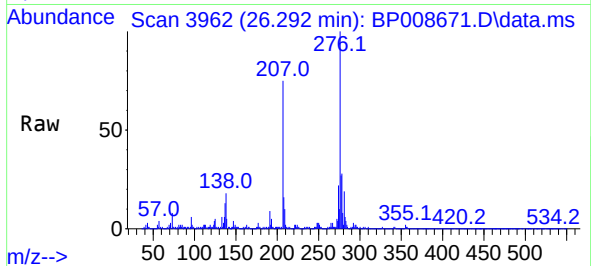
Tgt Ion:252 Resp: 2519708
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.0 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 3.264 ng
RT: 26.292 min Scan# 3970
Delta R.T. -0.047 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

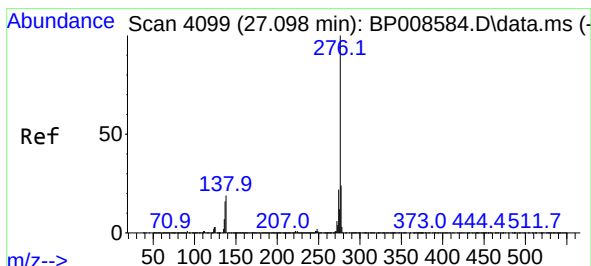
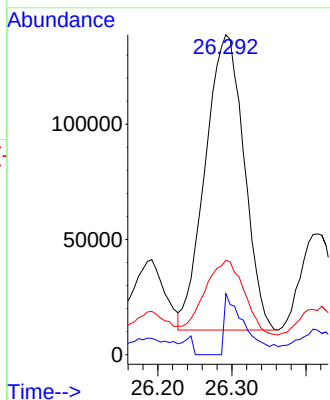
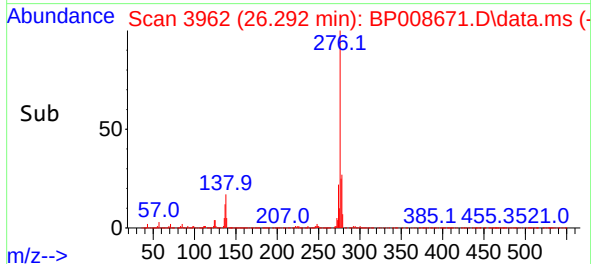
Instrument :
BNA_P
ClientSampleId :
361



Tgt Ion:278 Resp: 464759
Ion Ratio Lower Upper
278 100
139 19.0 11.5 17.3
279 29.5 19.1 28.7

Manual Integrations
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Reviewed By :Christian Giraldo 01/05/2022
Supervised By :Jagrut Upadhyay 01/05/2022



#92
Benzo(g,h,i)perylene
Concen: 13.938 ng
RT: 27.051 min Scan# 4091
Delta R.T. -0.047 min
Lab File: BP008671.D
Acq: 04 Jan 2022 20:25

Tgt Ion:276 Resp: 1855993
Ion Ratio Lower Upper
276 100
277 26.4 19.2 28.8
138 17.9 15.0 22.4

