

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012422\
 Data File : BP008898.D
 Acq On : 24 Jan 2022 21:27
 Operator : CG/JU
 Sample : N1208-02 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP25-07-20220119-22.5-23.0

Quant Time: Jan 25 04:14:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 14 18:05:00 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/25/2022
 Supervised By : Jagrut Upadhyay 01/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	366961	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	1464676	20.000	ng	0.00
39) Acenaphthene-d10	14.493	164	994122	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1962435	20.000	ng	0.00
76) Chrysene-d12	21.345	240	1679056	20.000	ng	0.00
86) Perylene-d12	23.780	264	1781017	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	411918	17.359	ng	0.00
7) Phenol-d6	7.028	99	505061	17.576	ng	0.00
23) Nitrobenzene-d5	9.011	82	312643	12.119	ng	0.00
42) 2,4,6-Tribromophenol	15.987	330	250526	17.313	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	800099	10.614	ng	-0.01
79) Terphenyl-d14	19.810	244	1024305	10.297	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.557	154	191306	3.423	ng	100
55) Dibenzofuran	14.893	168	183953	2.020	ng	95
58) Fluorene	15.545	166	272107	3.783	ng	99
71) Phenanthrene	17.292	178	2971043	26.889	ng	99
72) Anthracene	17.387	178	983938	8.877	ng	100
73) Carbazole	17.657	167	284697	2.987	ng	99
75) Fluoranthene	19.263	202	4274573	34.789	ng	98
78) Pyrene	19.622	202	7020497	59.924	ng	100
81) Benzo(a)anthracene	21.328	228	2735148	24.213	ng	99
83) Chrysene	21.380	228	1949503m	17.803	ng	
87) Indeno(1,2,3-cd)pyrene	26.315	276	1645858	11.215	ng	# 94
88) Benzo(b)fluoranthene	23.039	252	3337950m	28.064	ng	
89) Benzo(k)fluoranthene	23.080	252	1087722m	9.448	ng	
90) Benzo(a)pyrene	23.669	252	2684103	23.380	ng	97
91) Dibenzo(a,h)anthracene	26.321	278	429547	3.442	ng	# 86
92) Benzo(g,h,i)perylene	27.098	276	1561838	12.819	ng	98

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

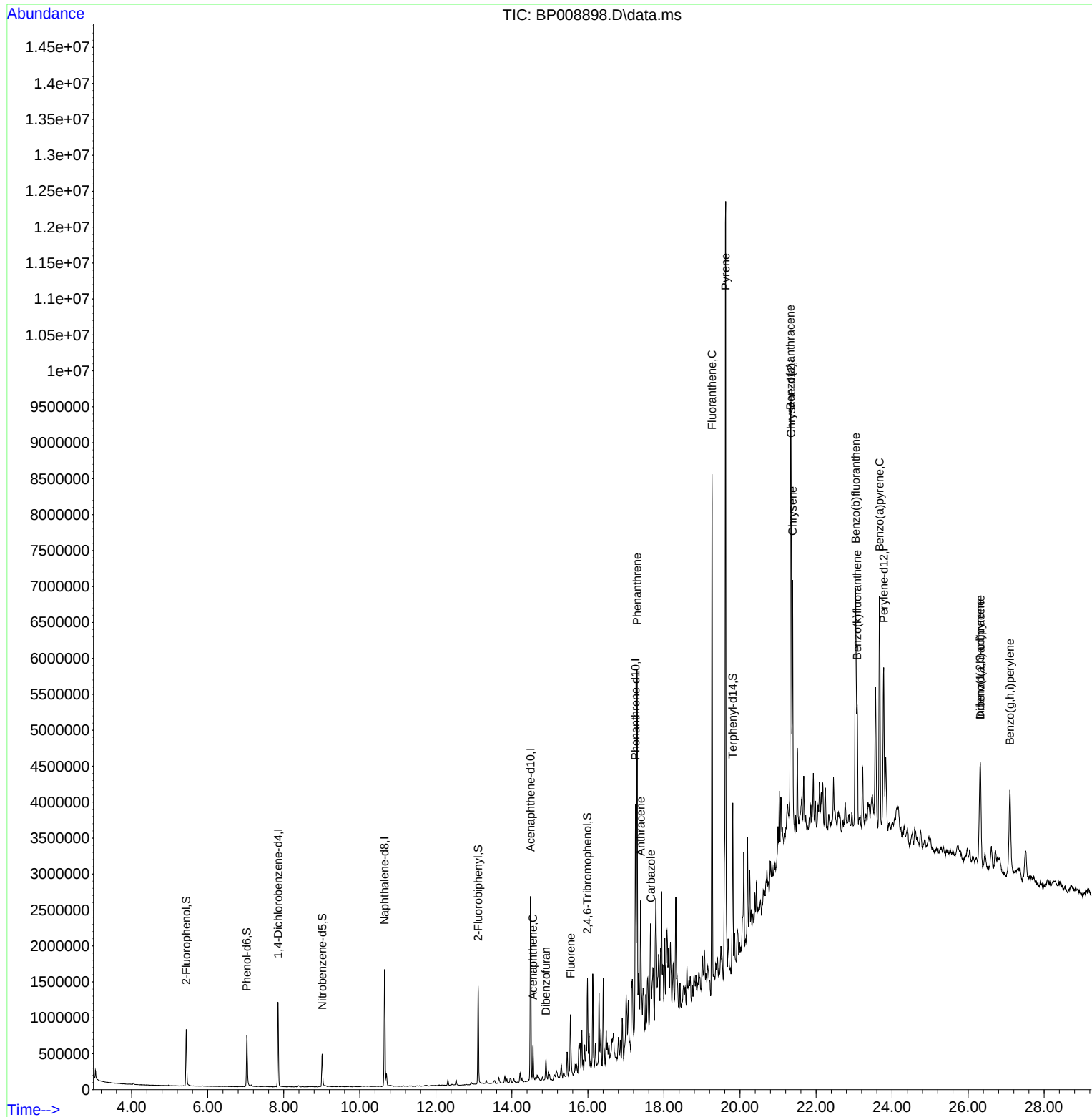
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012422\
Data File : BP008898.D
Acq On : 24 Jan 2022 21:27
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ALS Vial : 20 Sample Multiplier: 1

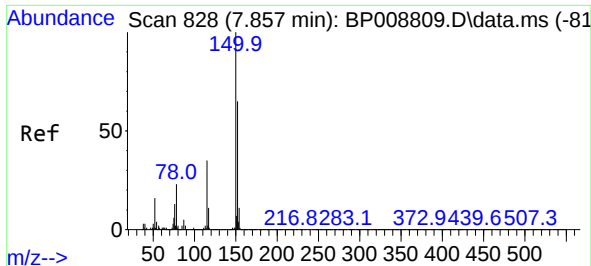
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0

Quant Time: Jan 25 04:14:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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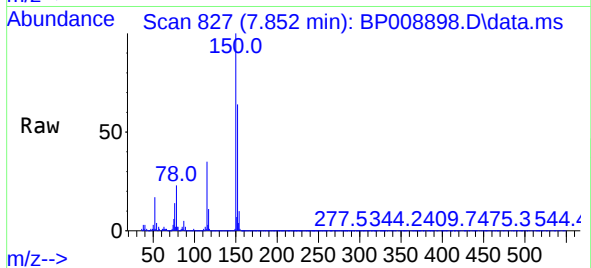
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

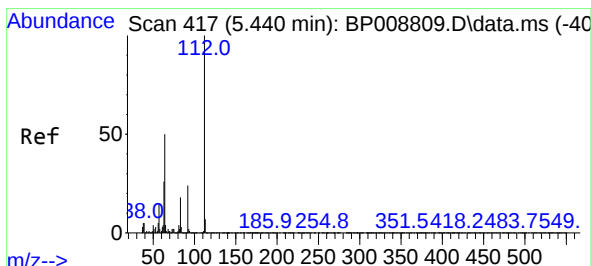
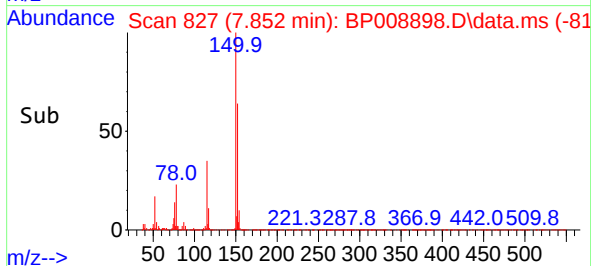
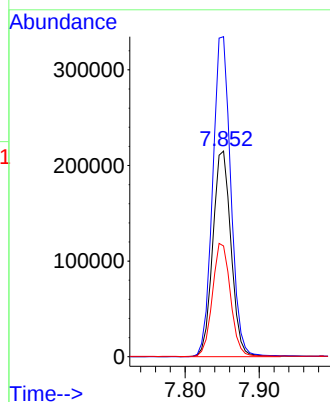
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



Tgt Ion:152 Resp: 36696
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.6
115 53.8 43.7 65.5

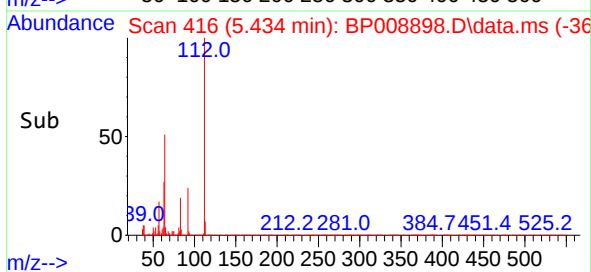
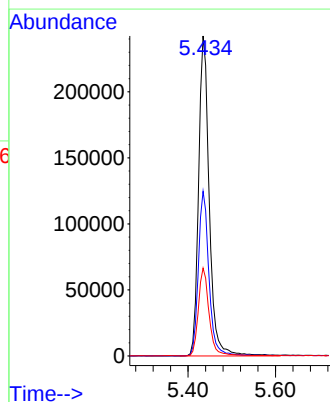
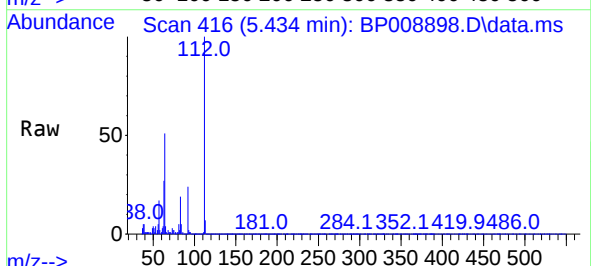
Manual Integrations
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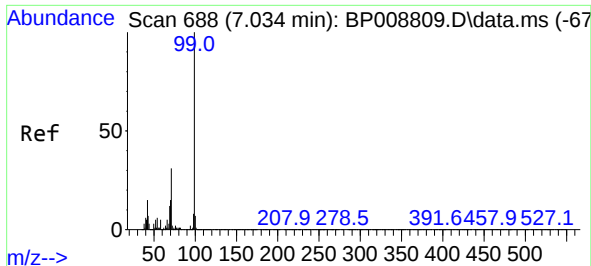
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#5
2-Fluorophenol
Concen: 17.359 ng
RT: 5.434 min Scan# 416
Delta R.T. -0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

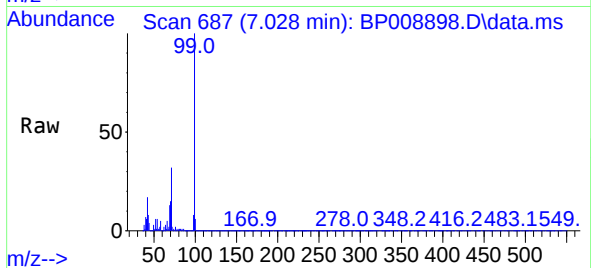
Tgt Ion:112 Resp: 411918
Ion Ratio Lower Upper
112 100
64 51.4 39.7 59.5
63 27.4 20.0 30.0





#7
Phenol-d6
Concen: 17.576 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

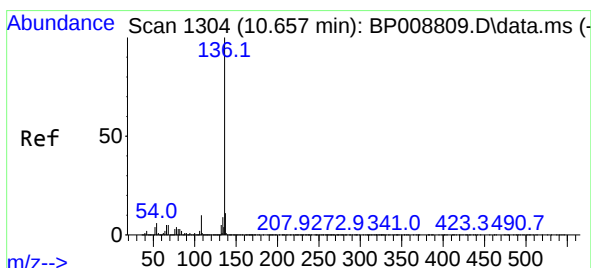
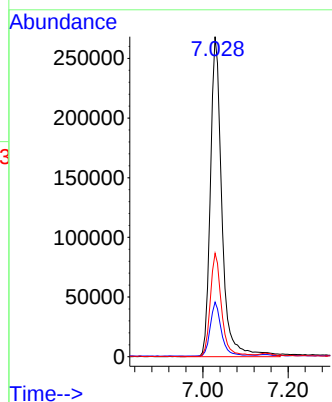
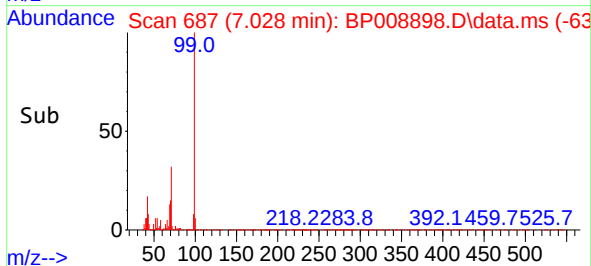
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



Tgt Ion: 99 Resp: 50506
Ion Ratio Lower Upper
99 100
42 17.0 10.8 16.2
71 32.3 23.8 35.6

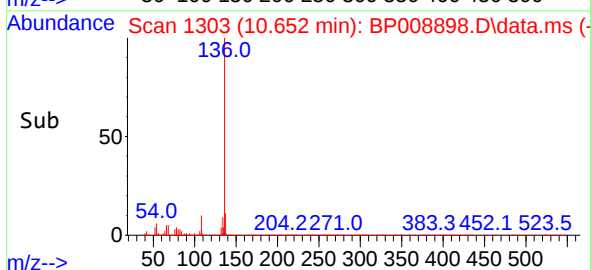
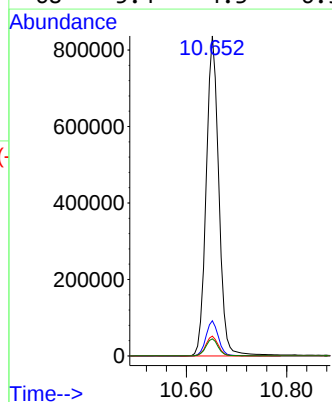
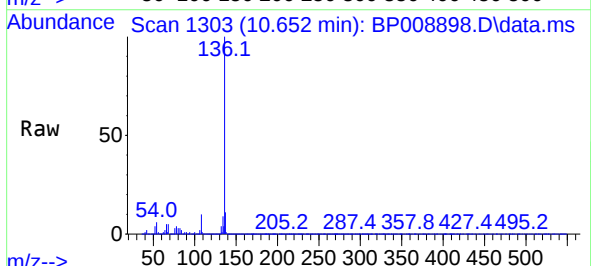
Manual Integrations
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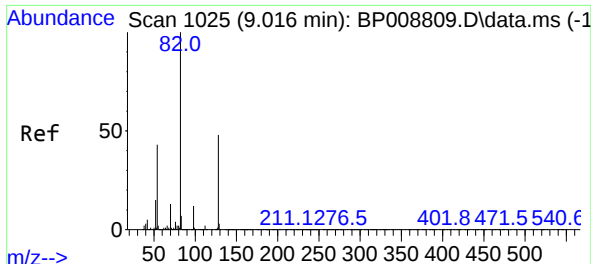
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

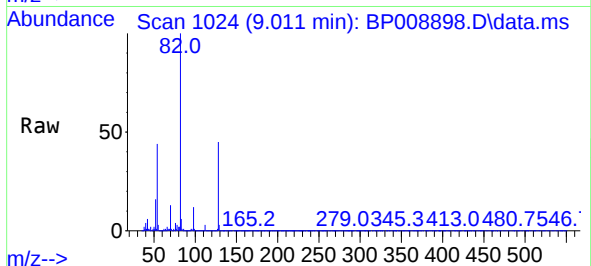
Tgt Ion:136 Resp: 1464676
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.2 4.9 7.3
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 12.119 ng
RT: 9.011 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

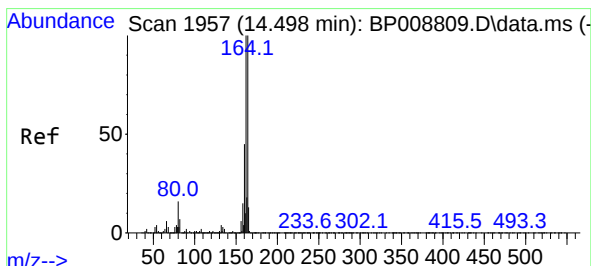
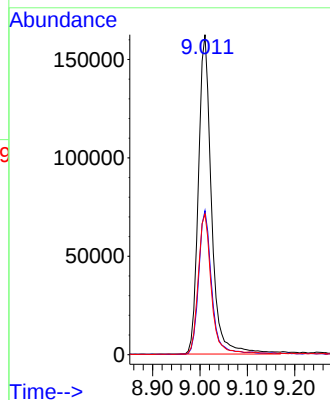
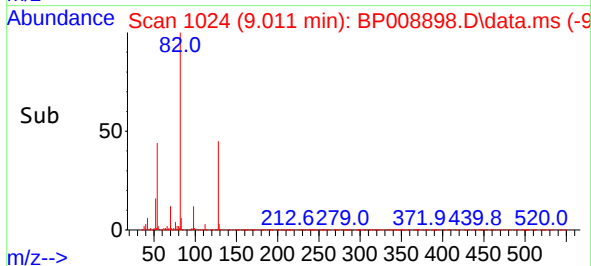
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



Tgt Ion: 82 Resp: 31264
Ion Ratio Lower Upper
82 100
128 45.0 39.4 59.2
54 43.9 32.6 48.8

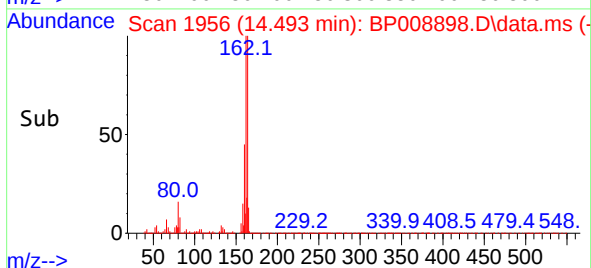
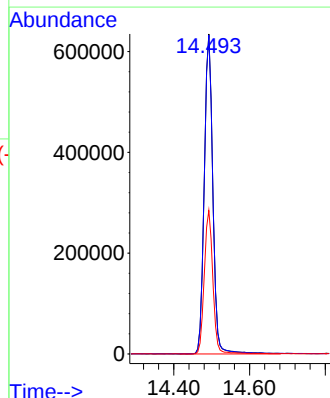
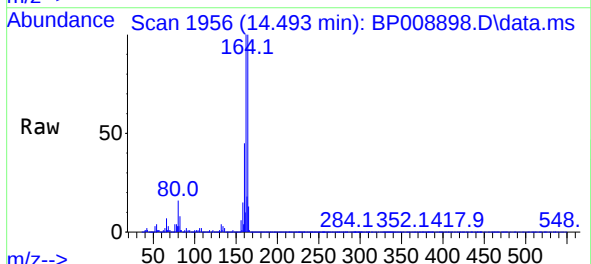
Manual Integrations
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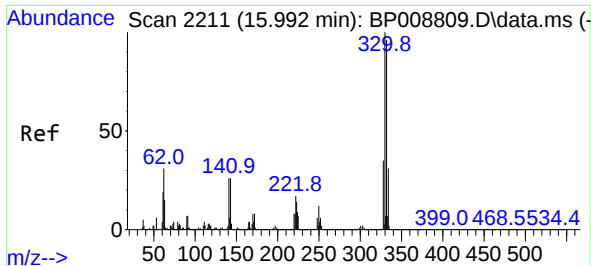
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.493 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

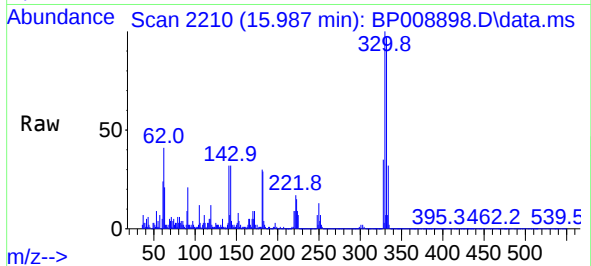
Tgt Ion:164 Resp: 994122
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 44.8 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 17.313 ng
RT: 15.987 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

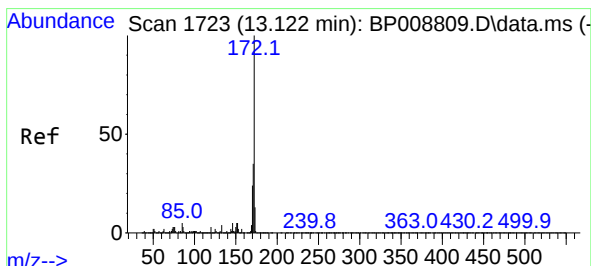
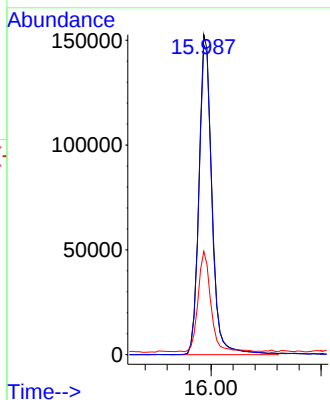
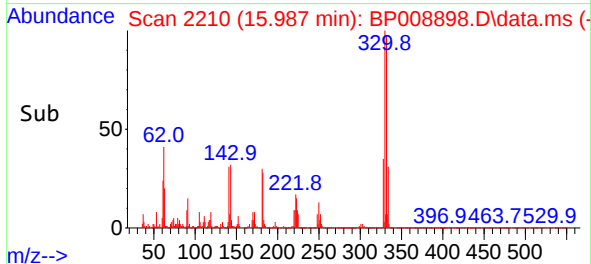
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



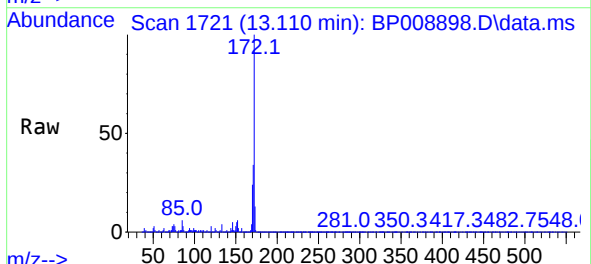
Tgt Ion:330 Resp: 250520
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 30.5 21.3 31.9

Manual Integrations
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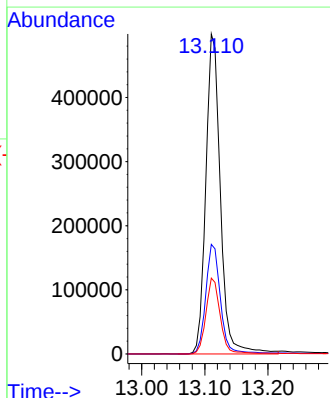
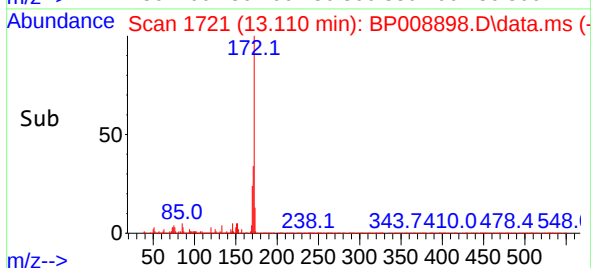
Reviewed By :Christian Giraldo 01/25/2022
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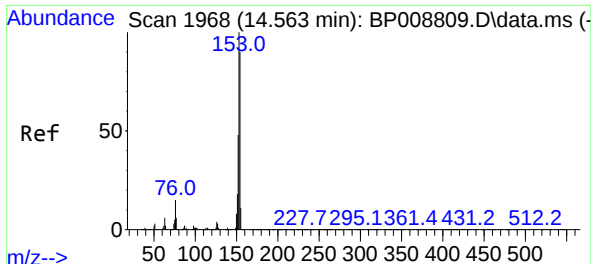


#45
2-Fluorobiphenyl
Concen: 10.614 ng
RT: 13.110 min Scan# 1721
Delta R.T. -0.011 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27



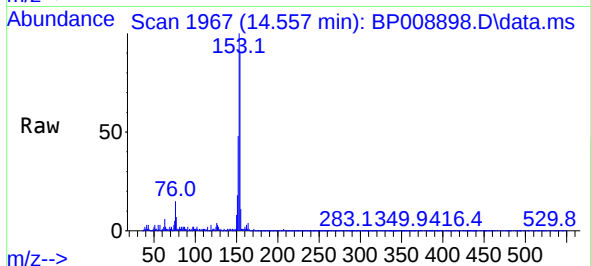
Tgt Ion:172 Resp: 800099
Ion Ratio Lower Upper
172 100
171 34.3 29.3 43.9
170 23.7 19.5 29.3





#52
Acenaphthene
Concen: 3.423 ng
RT: 14.557 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

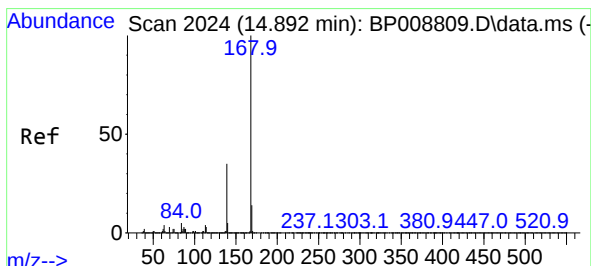
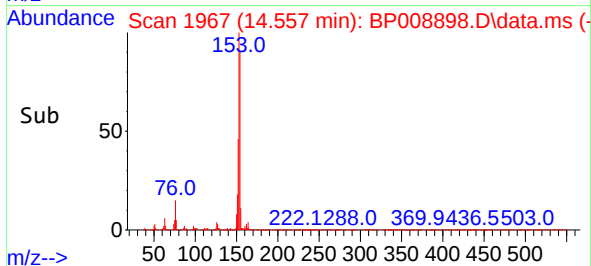
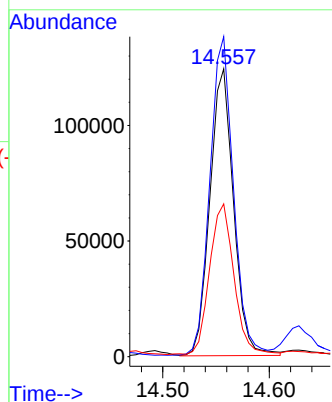
Instrument : BNA_P
ClientSampleId : SP25-07-20220119-22.5-23.0



Tgt Ion:154 Resp: 191300
Ion Ratio Lower Upper
154 100
153 111.2 89.4 134.2
152 53.1 42.6 63.8

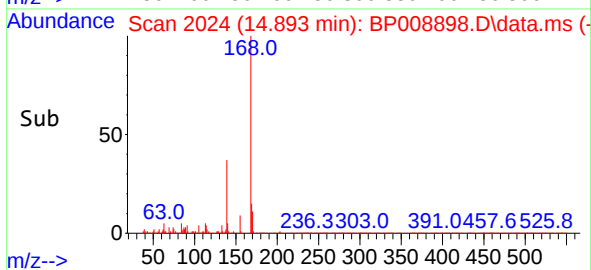
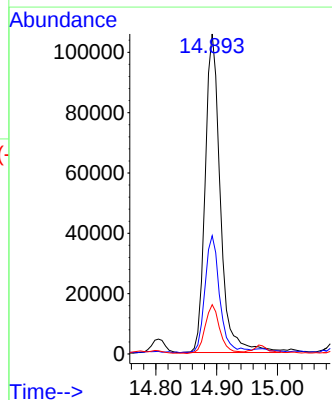
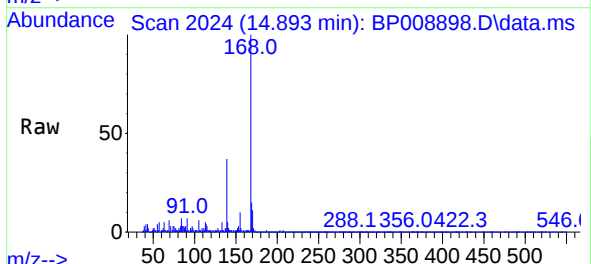
Manual Integrations
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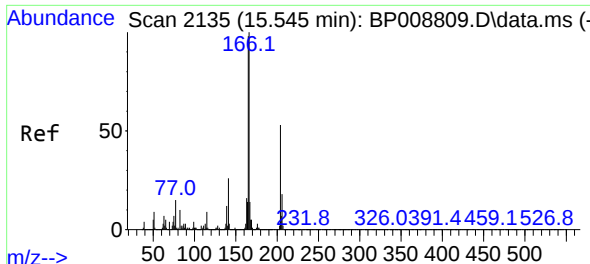
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#55
Dibenzofuran
Concen: 2.020 ng
RT: 14.893 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

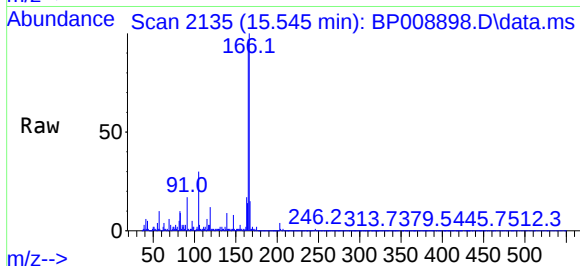
Tgt Ion:168 Resp: 183953
Ion Ratio Lower Upper
168 100
139 36.9 27.4 41.0
169 15.4 10.9 16.3





#58
Fluorene
Concen: 3.783 ng
RT: 15.545 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

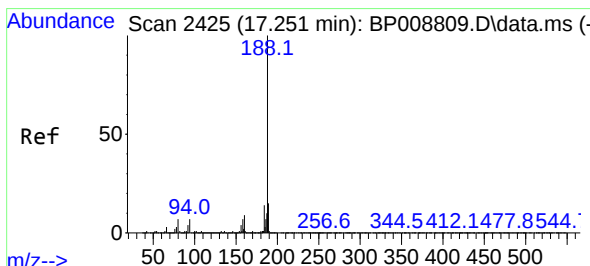
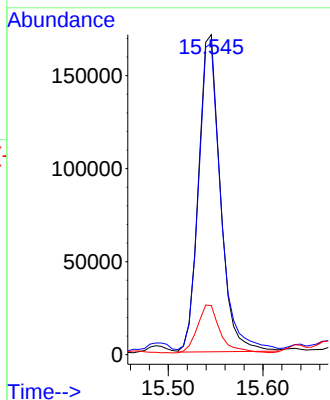
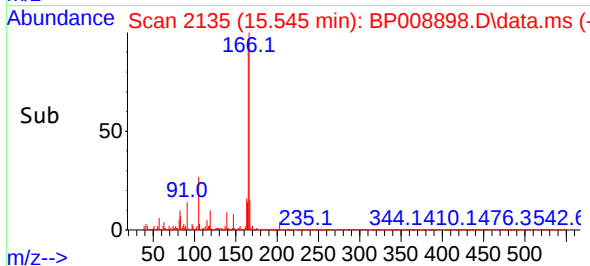
Instrument :
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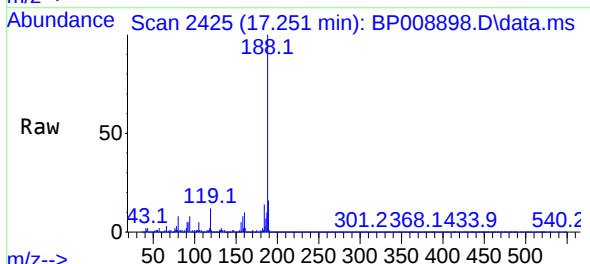
Tgt Ion:166 Resp: 27210
Ion Ratio Lower Upper
166 100
165 97.4 77.2 115.8
167 15.3 11.2 16.8

Manual Integrations
APPROVED

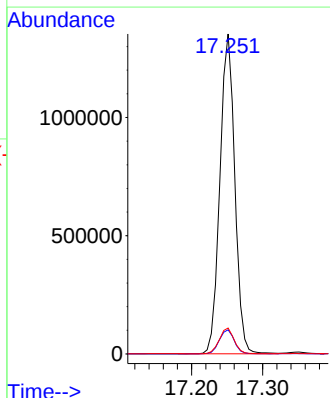
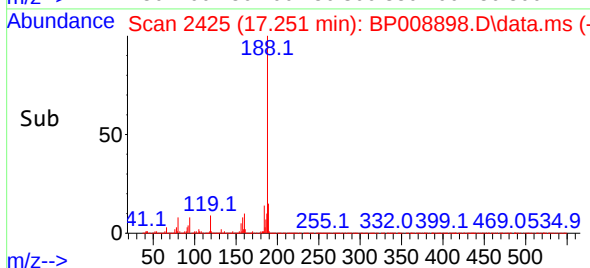
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

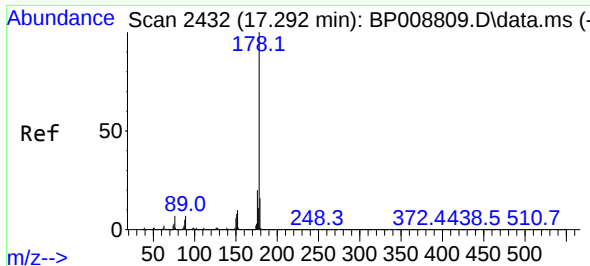


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27



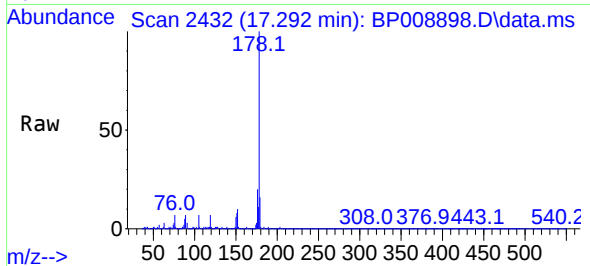
Tgt Ion:188 Resp: 1962435
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.1 7.2 10.8





#71
Phenanthrene
Concen: 26.889 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

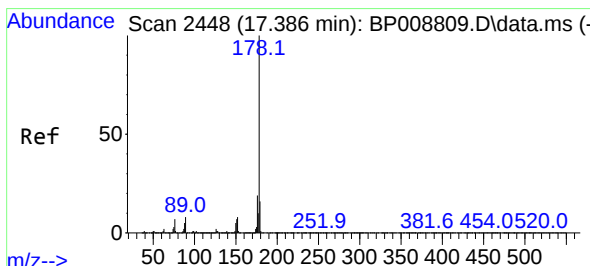
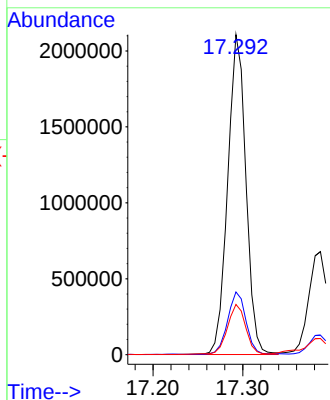
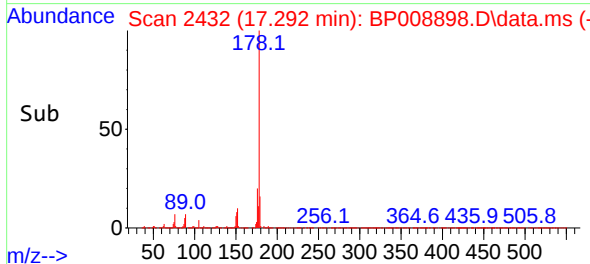
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



Tgt Ion:178 Resp: 297104
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.7 13.0 19.4

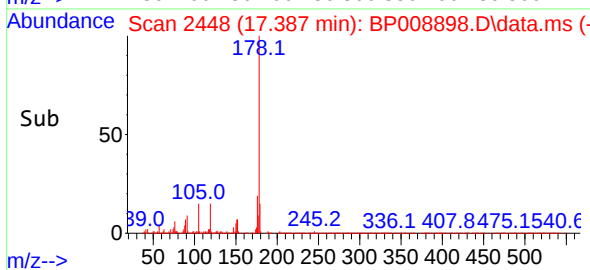
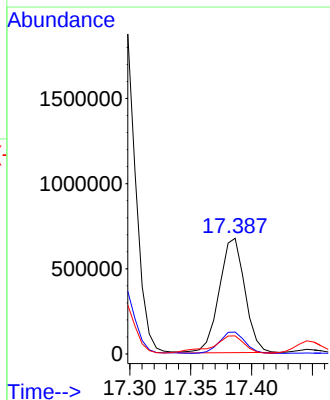
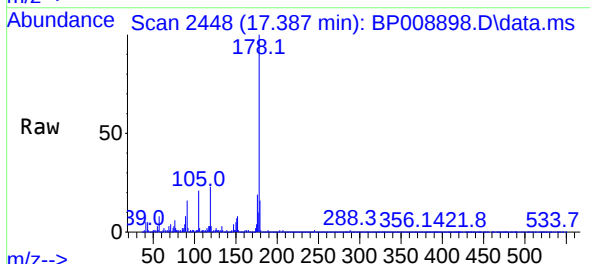
Manual Integrations
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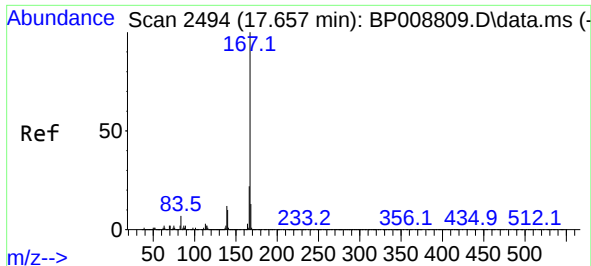
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#72
Anthracene
Concen: 8.877 ng
RT: 17.387 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

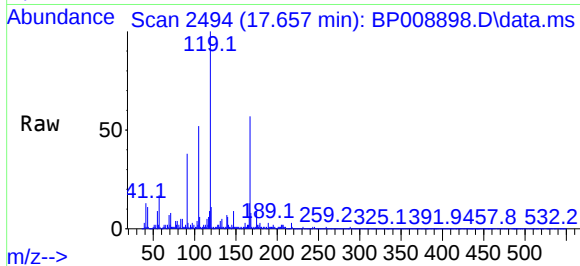
Tgt Ion:178 Resp: 983938
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.7 12.8 19.2





#73
 Carbazole
 Concen: 2.987 ng
 RT: 17.657 min Scan# 2494
 Delta R.T. 0.000 min
 Lab File: BP008898.D
 Acq: 24 Jan 2022 21:27

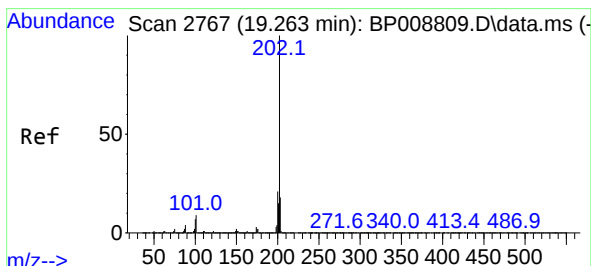
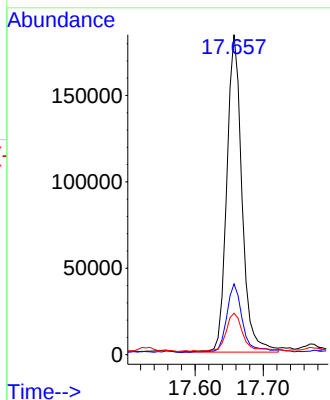
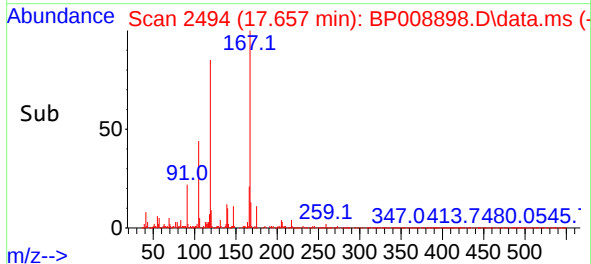
Instrument :
 BNA_P
 ClientSampleId :
 SP25-07-20220119-22.5-23.0



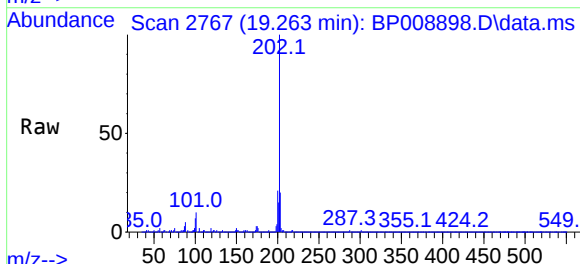
Tgt Ion:167 Resp: 28469
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 12.9 9.8 14.6

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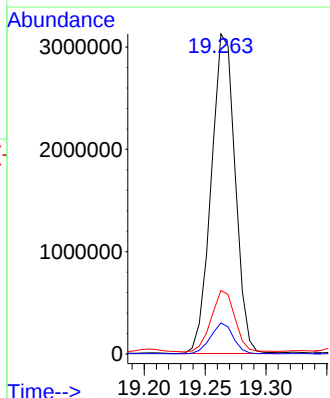
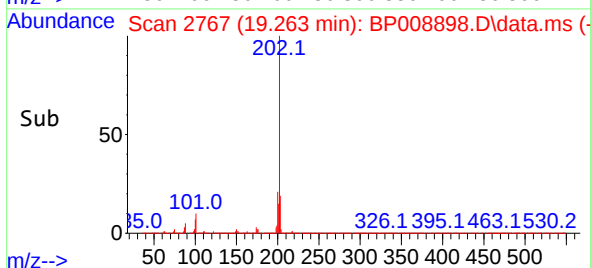
Reviewed By :Christian Giraldo 01/25/2022
 Supervised By :Jagrut Upadhyay 01/25/2022

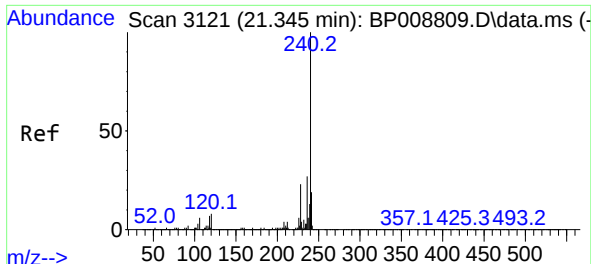


#75
 Fluoranthene
 Concen: 34.789 ng
 RT: 19.263 min Scan# 2767
 Delta R.T. 0.000 min
 Lab File: BP008898.D
 Acq: 24 Jan 2022 21:27



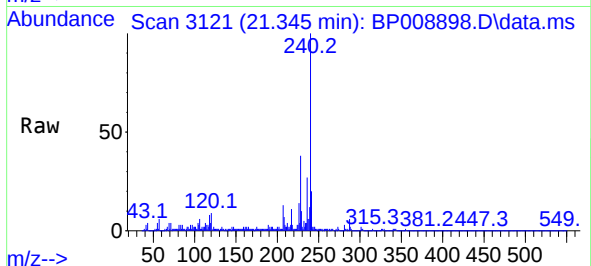
Tgt Ion:202 Resp: 4274573
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.7
 203 19.8 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.345 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

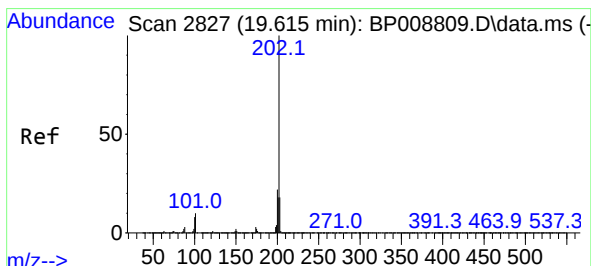
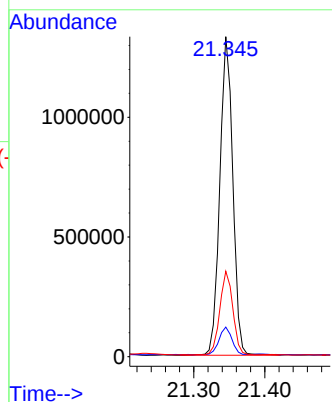
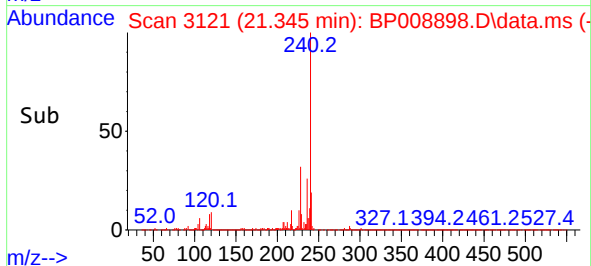
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



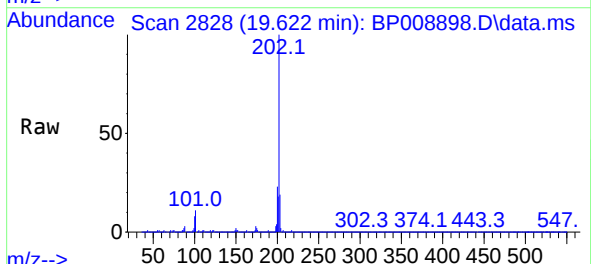
Tgt Ion:240 Resp: 167905
Ion Ratio Lower Upper
240 100
120 9.3 7.7 11.5
236 26.7 21.2 31.8

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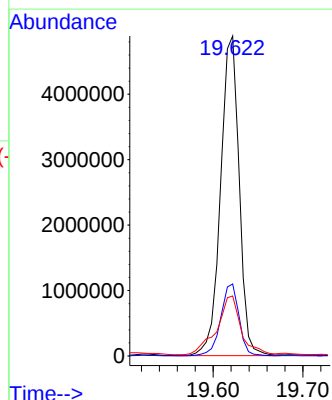
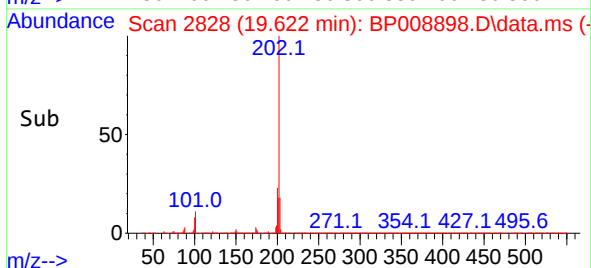
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

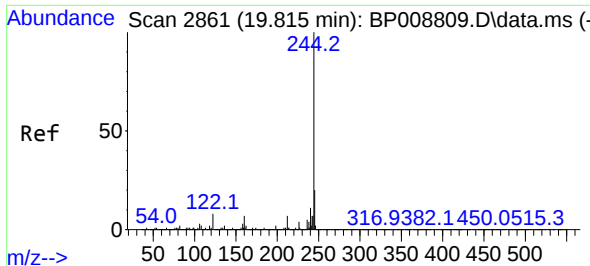


#78
Pyrene
Concen: 59.924 ng
RT: 19.622 min Scan# 2828
Delta R.T. 0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27



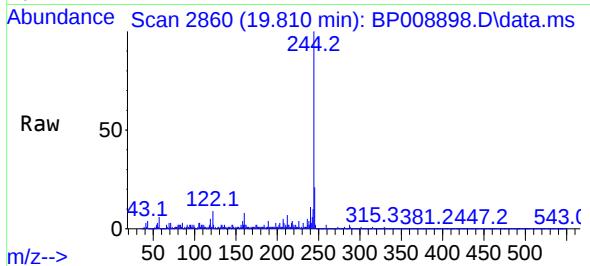
Tgt Ion:202 Resp: 7020497
Ion Ratio Lower Upper
202 100
200 22.5 18.0 27.0
203 18.7 15.0 22.6





#79
 Terphenyl-d14
 Concen: 10.297 ng
 RT: 19.810 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008898.D
 Acq: 24 Jan 2022 21:27

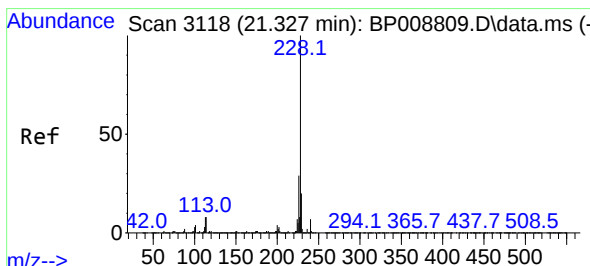
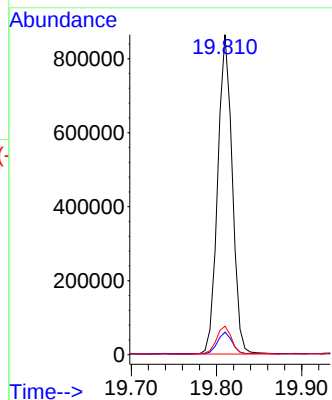
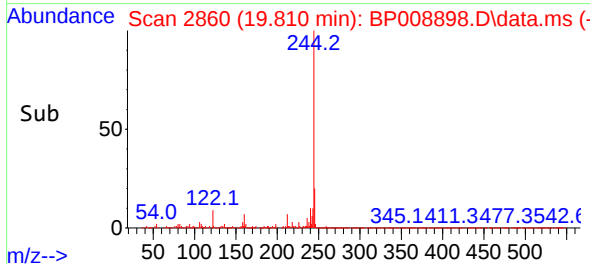
Instrument :
 BNA_P
 ClientSampleId :
 SP25-07-20220119-22.5-23.0



Tgt Ion:244 Resp: 102430
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 8.9 9.2 13.8

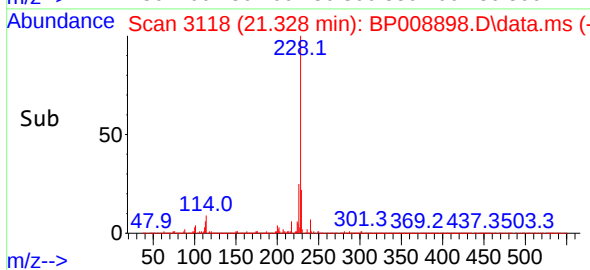
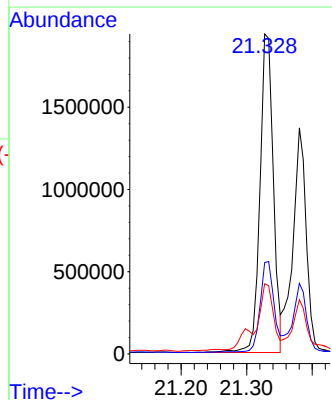
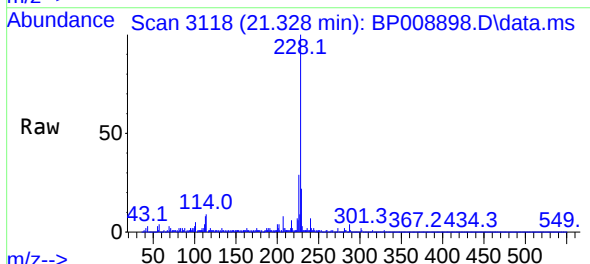
Manual Integrations
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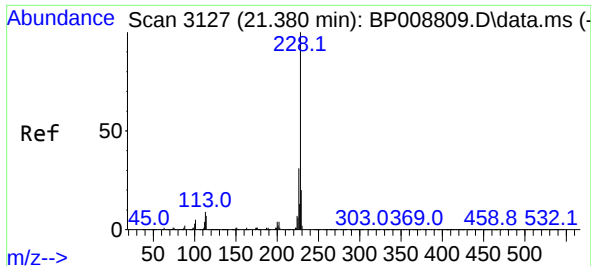
Reviewed By :Christian Giraldo 01/25/2022
 Supervised By :Jagrut Upadhyay 01/25/2022



#81
 Benzo(a)anthracene
 Concen: 24.213 ng
 RT: 21.328 min Scan# 3118
 Delta R.T. 0.000 min
 Lab File: BP008898.D
 Acq: 24 Jan 2022 21:27

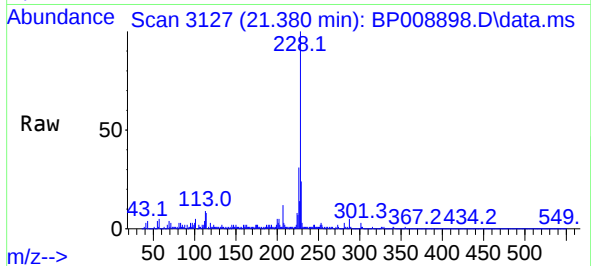
Tgt Ion:228 Resp: 2735148
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.3 34.9
 229 22.0 17.0 25.6





#83
Chrysene
Concen: 17.803 ng m
RT: 21.380 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

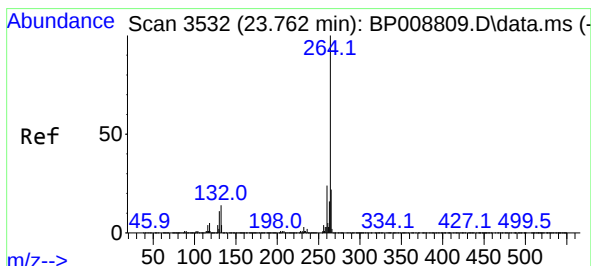
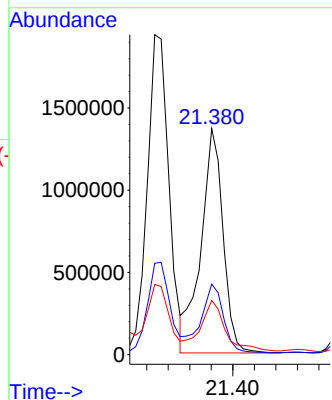
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



Tgt Ion:228 Resp: 1949500
Ion Ratio Lower Upper
228 100
226 31.2 26.0 39.0
229 24.0 16.9 25.3

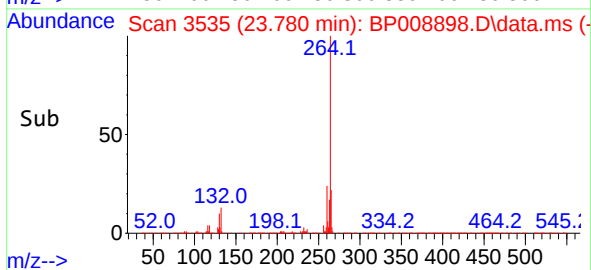
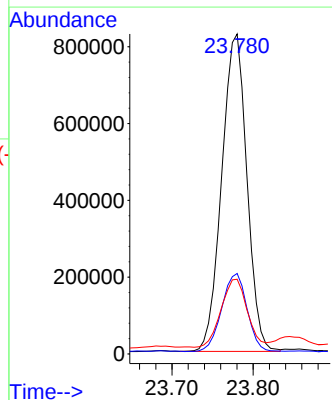
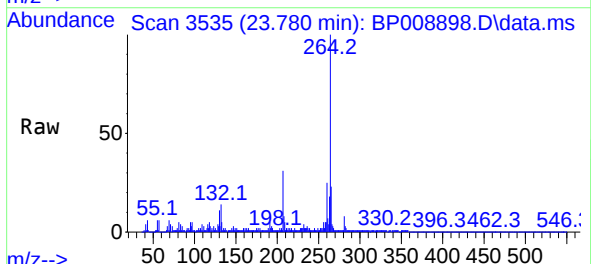
Manual Integrations
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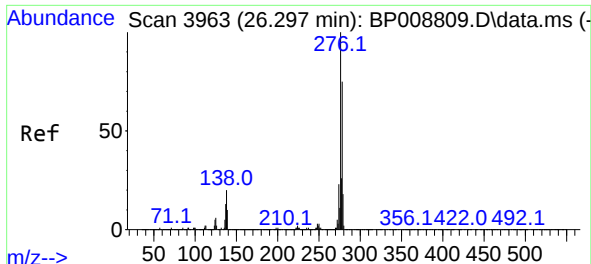
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3535
Delta R.T. 0.018 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

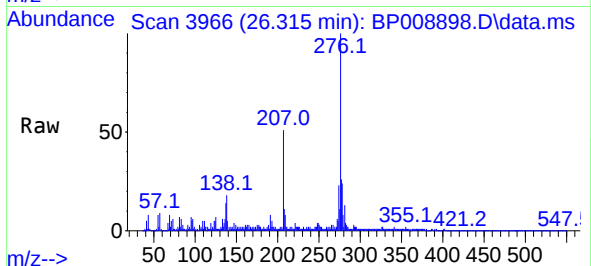
Tgt Ion:264 Resp: 1781017
Ion Ratio Lower Upper
264 100
260 25.2 19.1 28.7
265 23.3 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.215 ng
 RT: 26.315 min Scan# 3966
 Delta R.T. 0.018 min
 Lab File: BP008898.D
 Acq: 24 Jan 2022 21:27

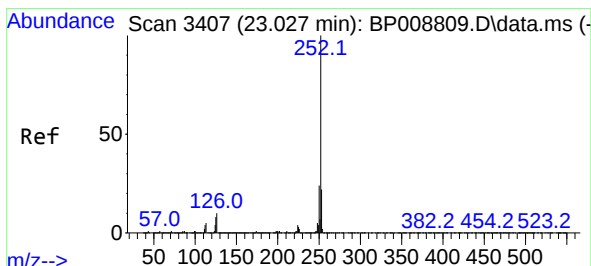
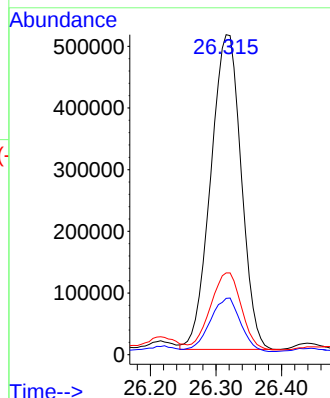
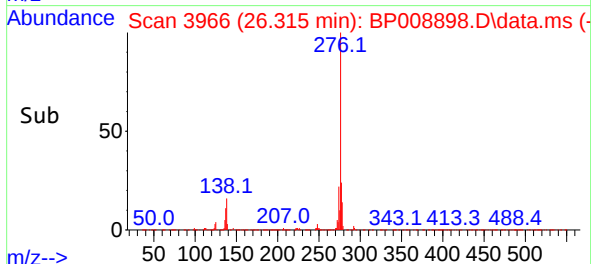
Instrument :
 BNA_P
 Client Sample Id :
 SP25-07-20220119-22.5-23.0



Tgt Ion: 276 Resp: 164585
 Ion Ratio Lower Upper
 276 100
 138 17.0 17.8 26.6
 277 24.9 20.4 30.6

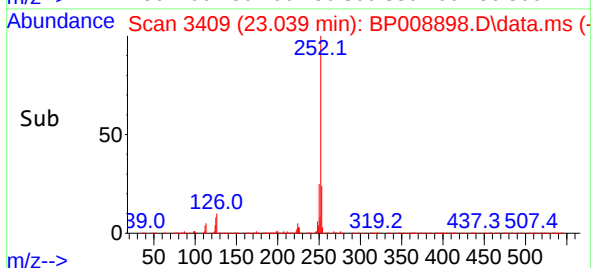
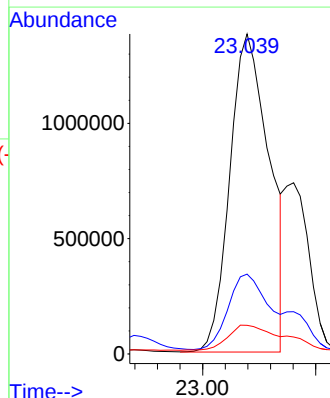
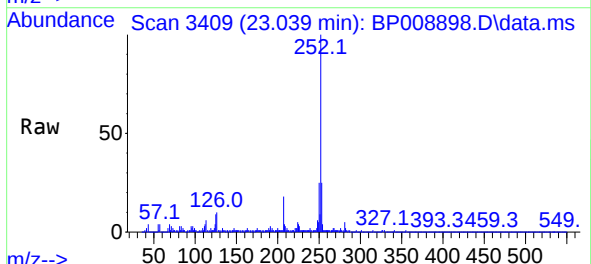
Manual Integrations
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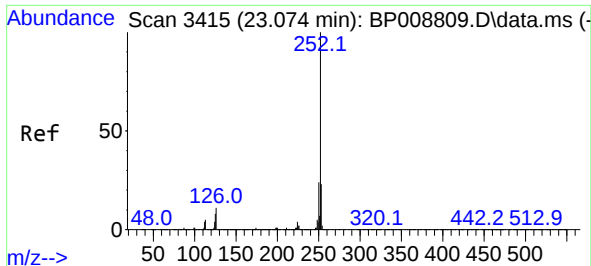
Reviewed By : Christian Giraldo 01/25/2022
 Supervised By : Jagrut Upadhyay 01/25/2022



#88
 Benzo(b)fluoranthene
 Concen: 28.064 ng m
 RT: 23.039 min Scan# 3409
 Delta R.T. 0.012 min
 Lab File: BP008898.D
 Acq: 24 Jan 2022 21:27

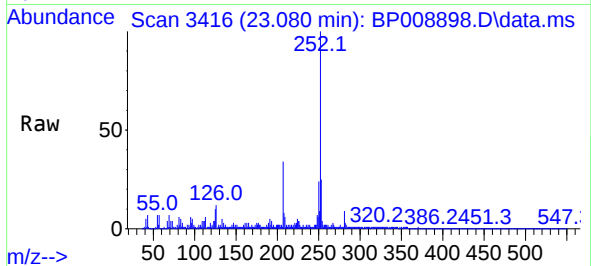
Tgt Ion: 252 Resp: 3337950
 Ion Ratio Lower Upper
 252 100
 253 25.0 18.0 27.0
 125 9.0 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 9.448 ng m
RT: 23.080 min Scan# 3415
Delta R.T. 0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

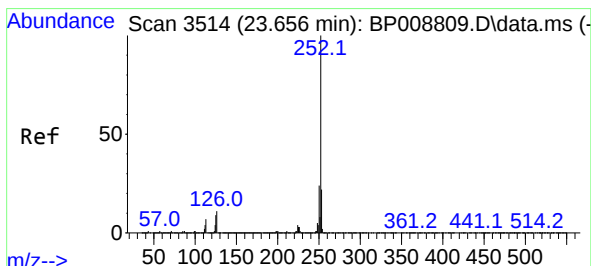
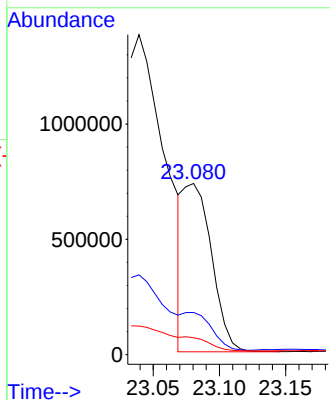
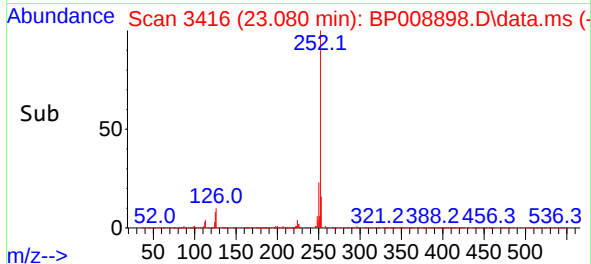
Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0



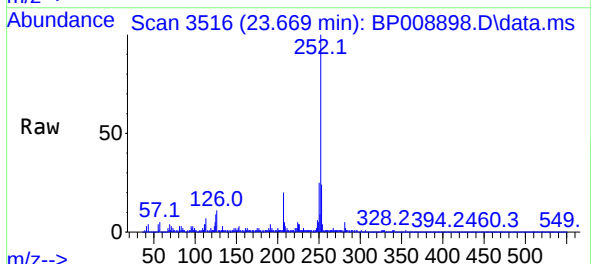
Tgt Ion:252 Resp: 108772
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 10.0 7.3 10.9

Manual Integrations
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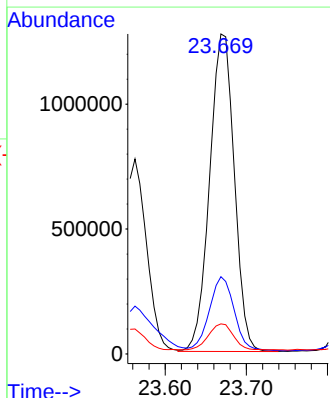
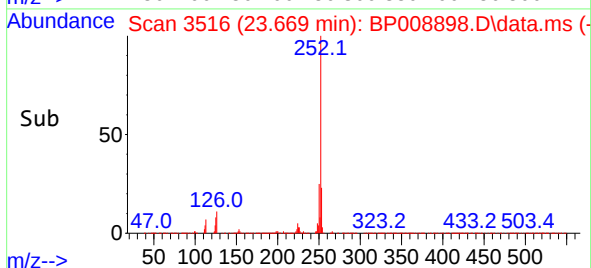
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

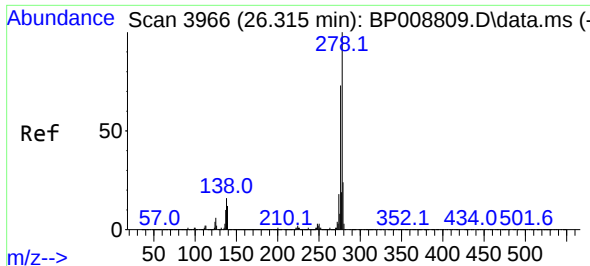


#90
Benzo(a)pyrene
Concen: 23.380 ng
RT: 23.669 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27



Tgt Ion:252 Resp: 2684103
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 9.4 7.8 11.6





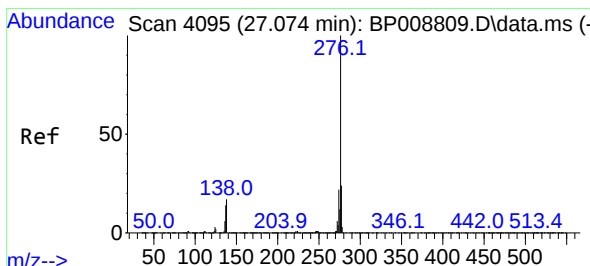
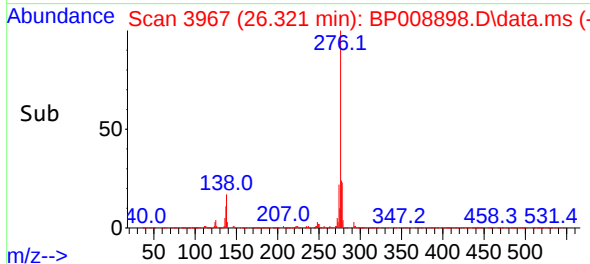
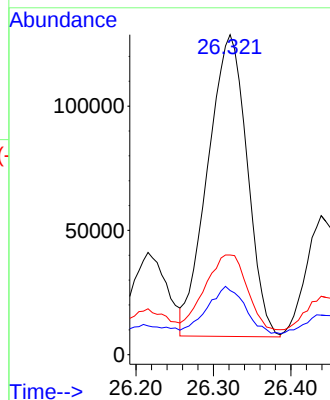
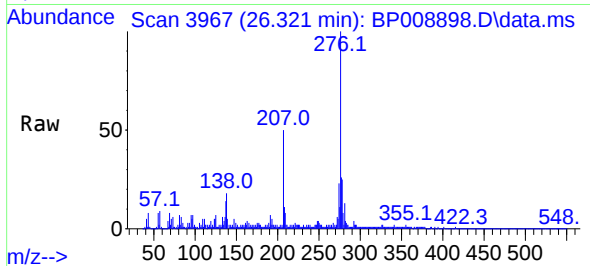
#91
Dibenzo(a,h)anthracene
Concen: 3.442 ng
RT: 26.321 min Scan# 3967
Delta R.T. 0.006 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

Instrument :
BNA_P
ClientSampleId :
SP25-07-20220119-22.5-23.0

Tgt Ion:278 Resp: 42954
Ion Ratio Lower Upper
278 100
139 20.1 11.5 17.3
279 31.2 19.1 28.7

Manual Integrations
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Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#92
Benzo(g,h,i)perylene
Concen: 12.819 ng
RT: 27.098 min Scan# 4099
Delta R.T. 0.024 min
Lab File: BP008898.D
Acq: 24 Jan 2022 21:27

Tgt Ion:276 Resp: 1561838
Ion Ratio Lower Upper
276 100
277 25.0 19.2 28.8
138 18.1 15.0 22.4

