

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012522\
 Data File : BP008916.D
 Acq On : 25 Jan 2022 19:56
 Operator : CG/JU
 Sample : N1245-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4(0.5-1)

Quant Time: Jan 26 01:59:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 26 01:52:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/26/2022
 Supervised By : Jagrut Upadhyay 01/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	256306	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	934592	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	569183	20.000	ng	0.00
64) Phenanthrene-d10	17.233	188	1178200	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1316124	20.000	ng	0.00
86) Perylene-d12	23.739	264	1419712	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	712184	42.969	ng	0.00
7) Phenol-d6	7.010	99	850585	42.380	ng	-0.01
23) Nitrobenzene-d5	8.993	82	525973	31.951	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	364630	44.011	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	1341267	31.076	ng	0.00
79) Terphenyl-d14	19.792	244	2016016	25.856	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.687	128	198600	3.912	ng	99
52) Acenaphthene	14.539	154	252655	7.896	ng	98
55) Dibenzofuran	14.875	168	241216	4.627	ng	98
58) Fluorene	15.528	166	221757	5.385	ng	97
71) Phenanthrene	17.275	178	4165287	62.790	ng	99
72) Anthracene	17.369	178	877611	13.188	ng	99
73) Carbazole	17.639	167	445789	7.791	ng	99
75) Fluoranthene	19.251	202	6699392	90.815	ng	98
78) Pyrene	19.604	202	5576137	60.720	ng	99
81) Benzo(a)anthracene	21.316	228	3589535	40.540	ng	99
83) Chrysene	21.363	228	2798306	32.602	ng	98
87) Indeno(1,2,3-cd)pyrene	26.262	276	2186200	18.688	ng	# 94
88) Benzo(b)fluoranthene	23.010	252	4220891	44.519	ng	99
89) Benzo(k)fluoranthene	23.051	252	1443760m	15.731	ng	
90) Benzo(a)pyrene	23.639	252	3013902	32.933	ng	97
91) Dibenzo(a,h)anthracene	26.262	278	575313m	5.783	ng	
92) Benzo(g,h,i)perylene	27.039	276	2002069	20.613	ng	98

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

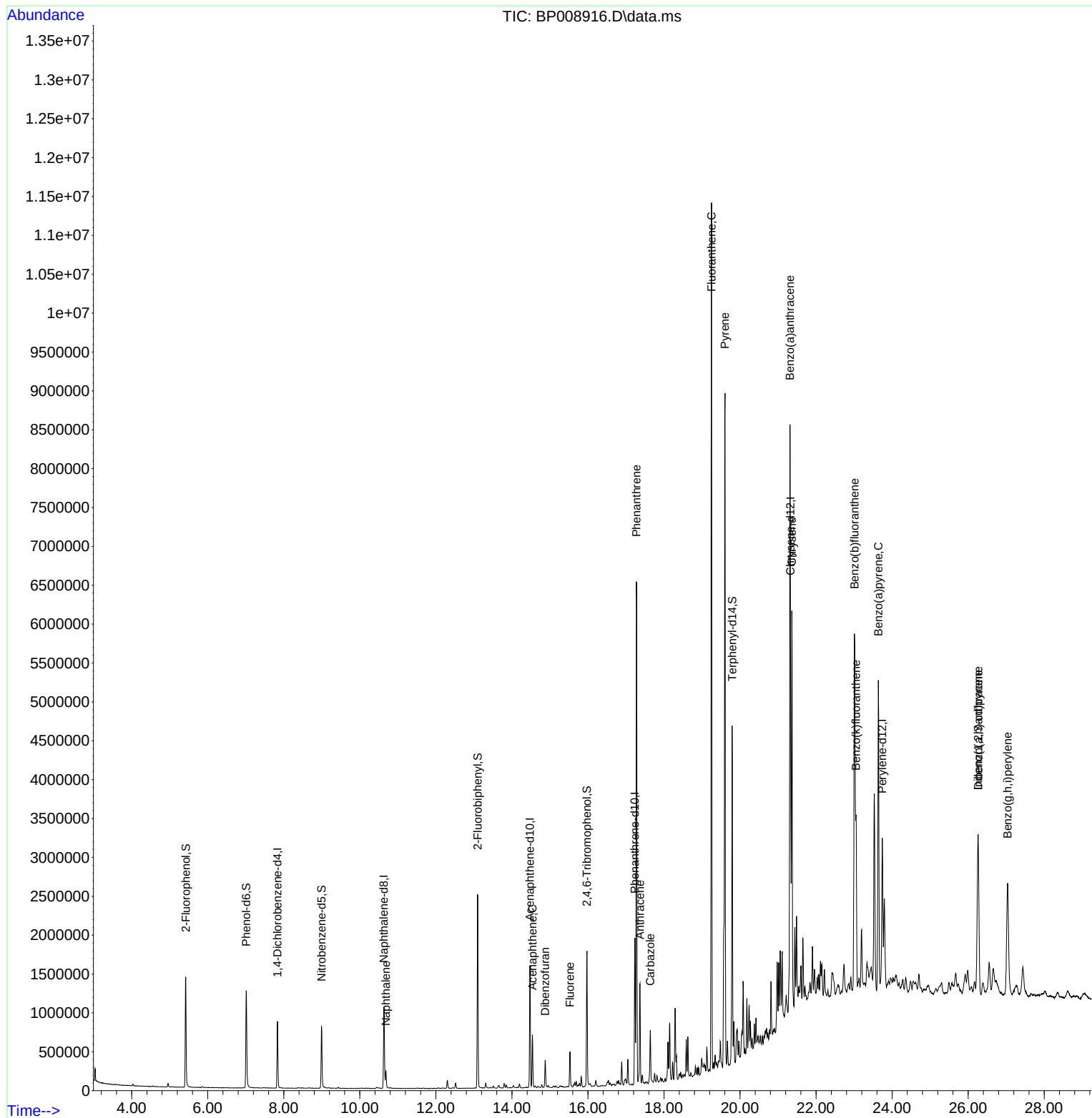
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012522\
Data File : BP008916.D
Acq On : 25 Jan 2022 19:56
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ALS Vial : 17 Sample Multiplier: 1

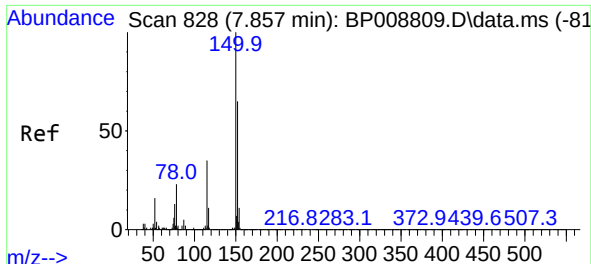
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)

Quant Time: Jan 26 01:59:22 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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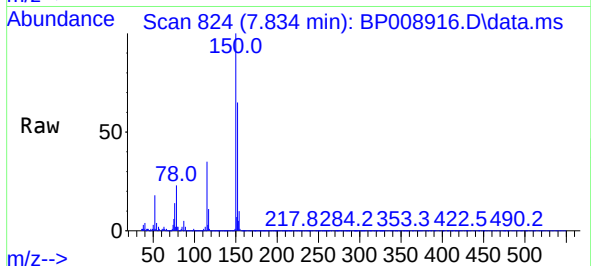
Reviewed By : Christian Giraldo 01/26/2022
Supervised By : Jagrut Upadhyay 01/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

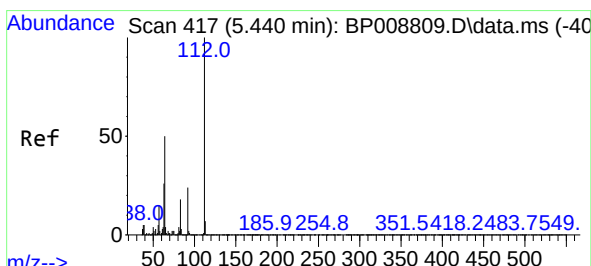
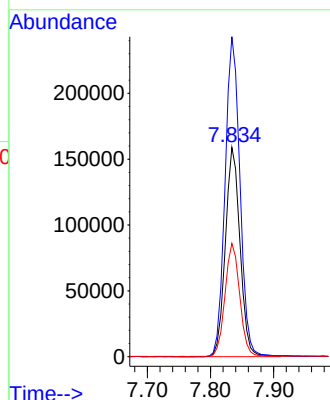
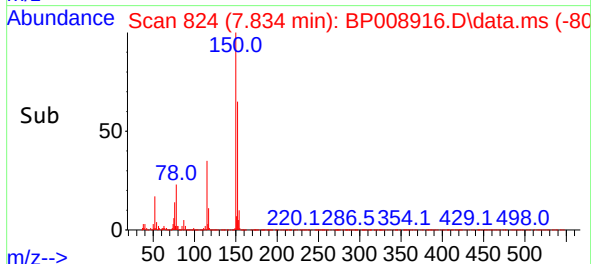
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



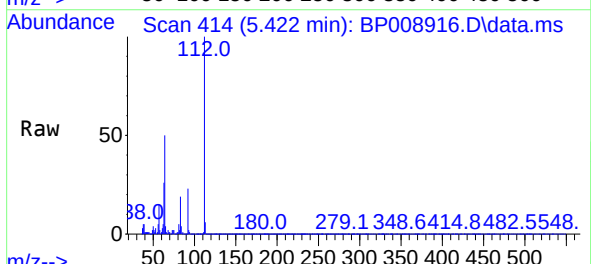
Tgt Ion:152 Resp: 256300
Ion Ratio Lower Upper
152 100
150 152.9 127.0 190.6
115 54.1 43.7 65.5

Manual Integrations
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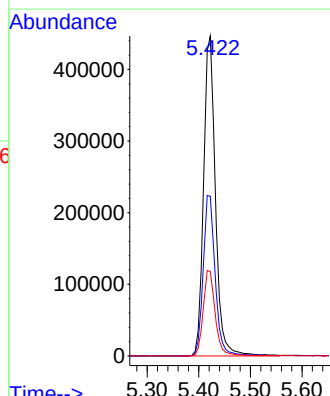
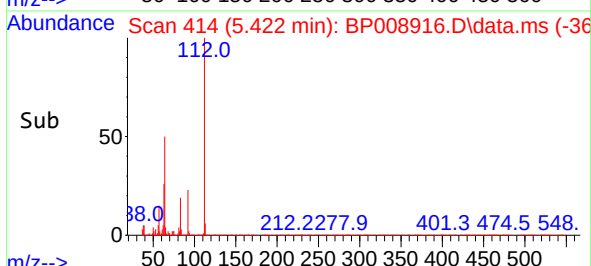
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

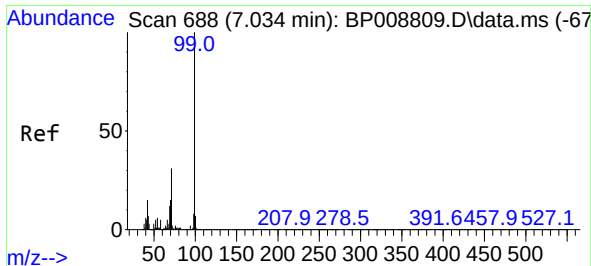


#5
2-Fluorophenol
Concen: 42.969 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56



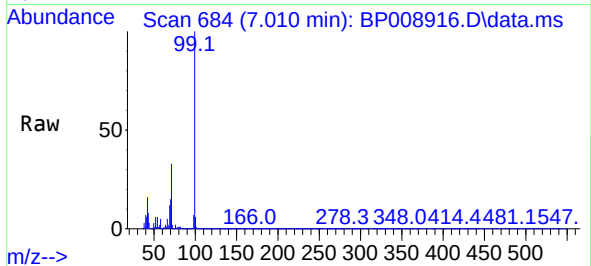
Tgt Ion:112 Resp: 712184
Ion Ratio Lower Upper
112 100
64 49.9 39.7 59.5
63 26.4 20.0 30.0





#7
Phenol-d6
Concen: 42.380 ng
RT: 7.010 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

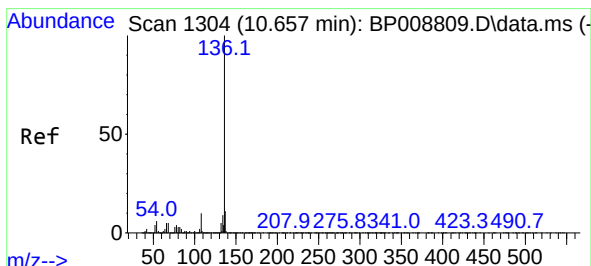
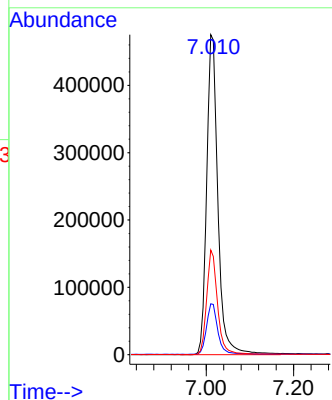
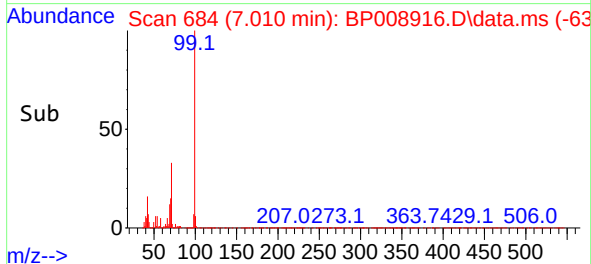
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



Tgt Ion: 99 Resp: 85058
Ion Ratio Lower Upper
99 100
42 15.9 10.8 16.2
71 32.7 23.8 35.6

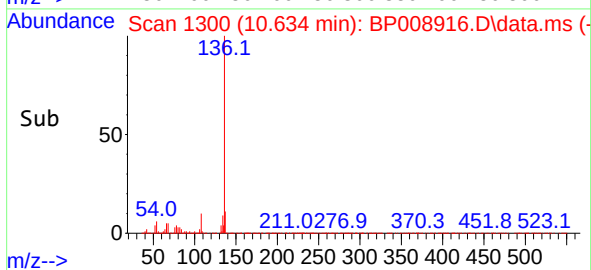
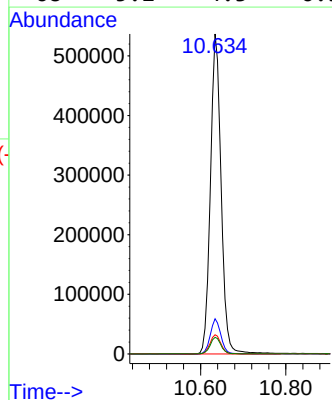
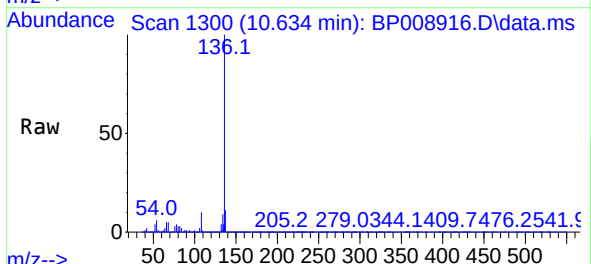
Manual Integrations
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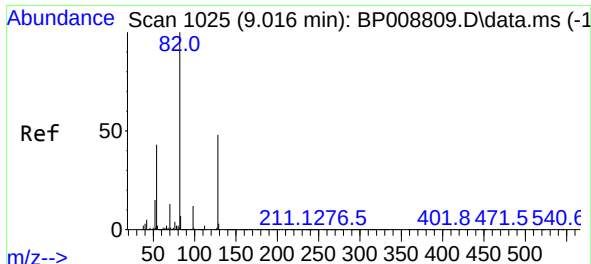
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Tgt Ion:136 Resp: 934592
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.0 4.9 7.3
68 5.2 4.3 6.5





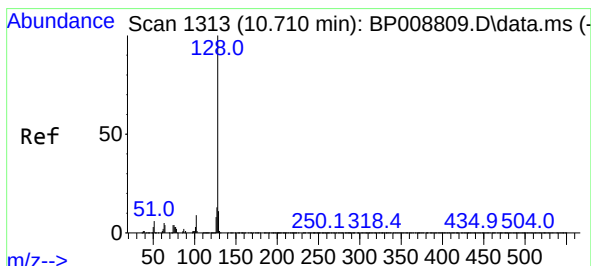
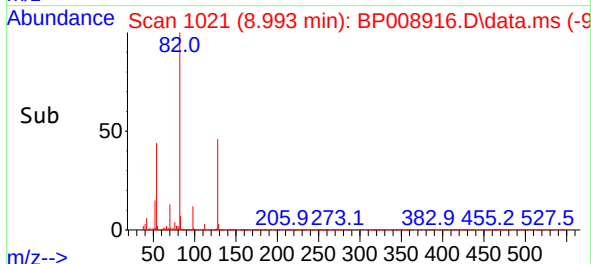
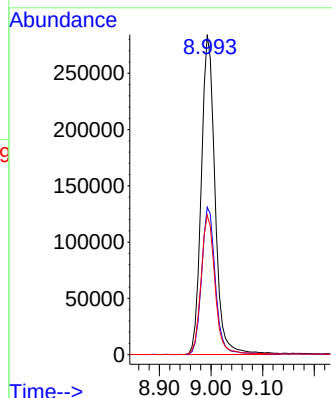
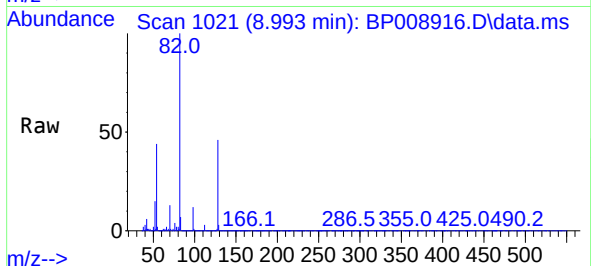
#23
Nitrobenzene-d5
Concen: 31.951 ng
RT: 8.993 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)

Tgt Ion: 82 Resp: 52597
Ion Ratio Lower Upper
82 100
128 46.1 39.4 59.2
54 43.6 32.6 48.8

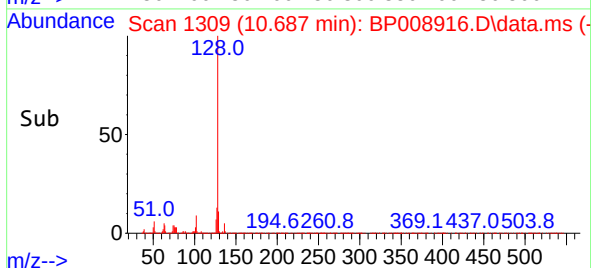
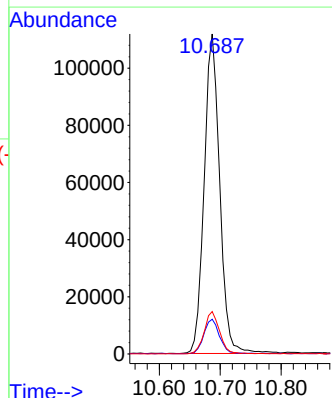
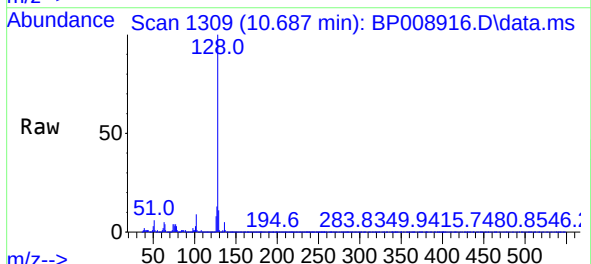
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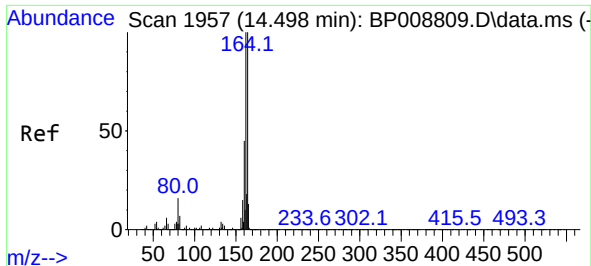
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#31
Naphthalene
Concen: 3.912 ng
RT: 10.687 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Tgt Ion:128 Resp: 198600
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.2 10.4 15.6





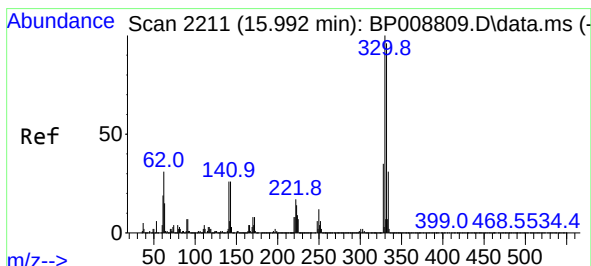
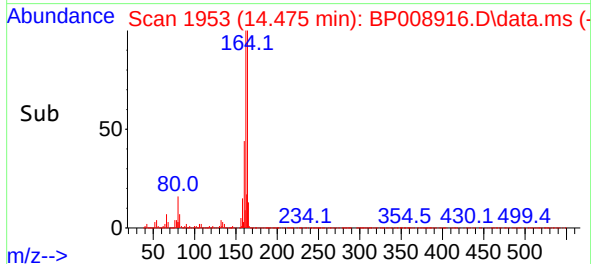
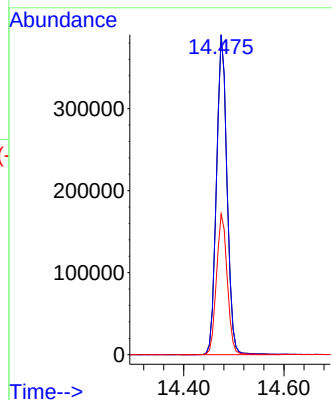
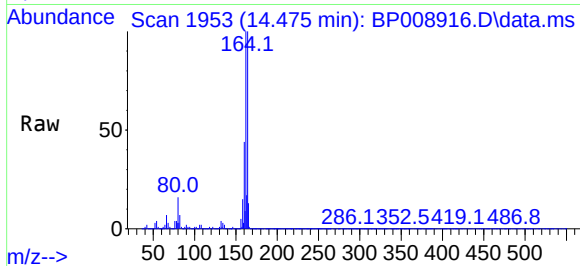
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)

Tgt Ion:164 Resp: 56918
Ion Ratio Lower Upper
164 100
162 99.8 79.9 119.9
160 44.0 35.5 53.3

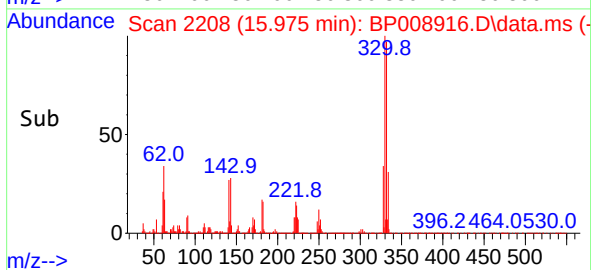
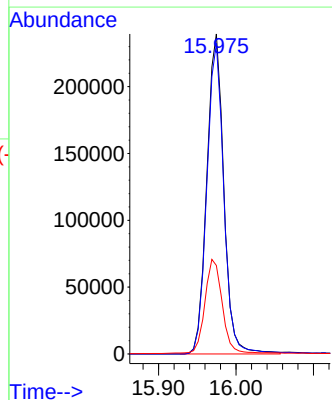
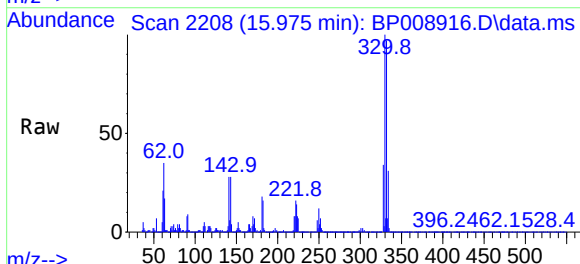
Manual Integrations
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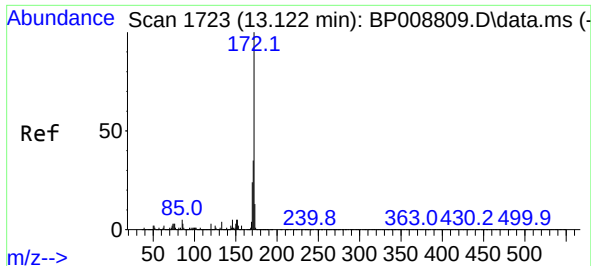
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#42
2,4,6-Tribromophenol
Concen: 44.011 ng
RT: 15.975 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

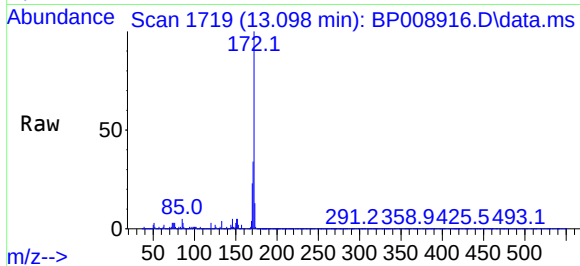
Tgt Ion:330 Resp: 364630
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.4
141 30.7 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 31.076 ng
RT: 13.098 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

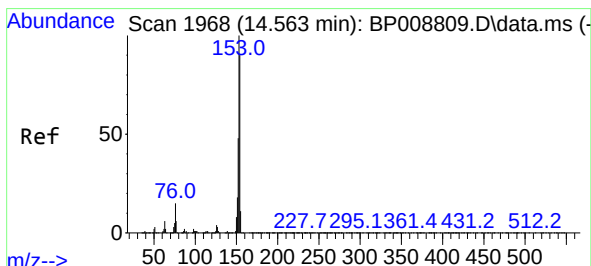
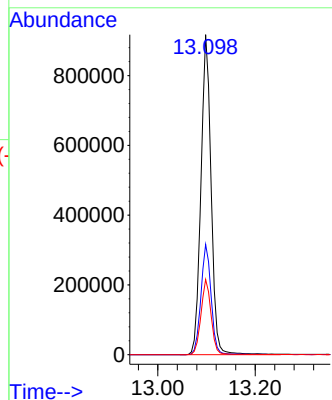
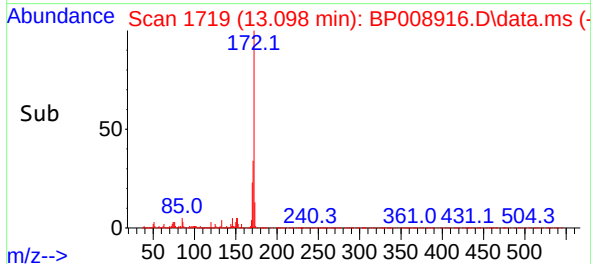
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



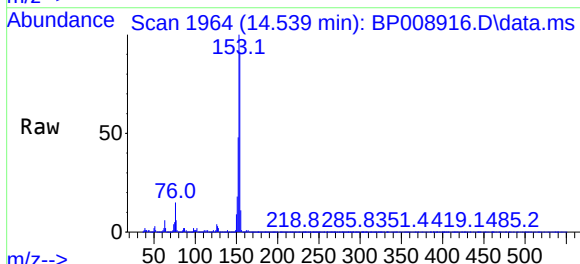
Tgt Ion:172 Resp: 134126
Ion Ratio Lower Upper
172 100
171 34.4 29.3 43.9
170 23.5 19.5 29.3

Manual Integrations
APPROVED

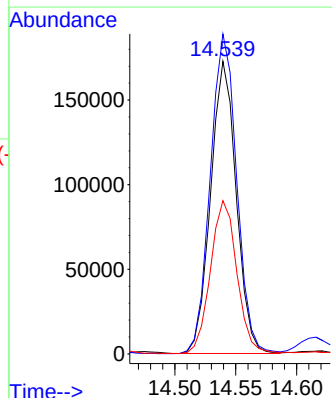
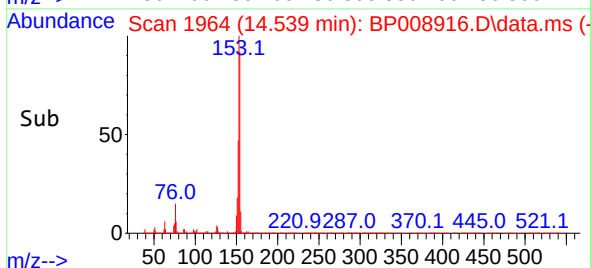
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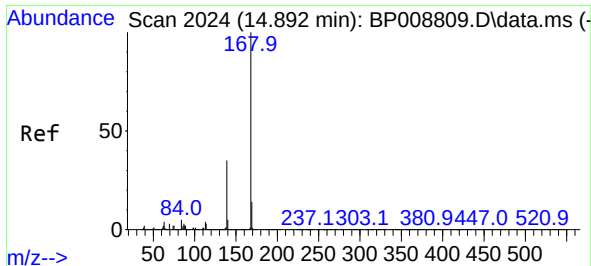


#52
Acenaphthene
Concen: 7.896 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56



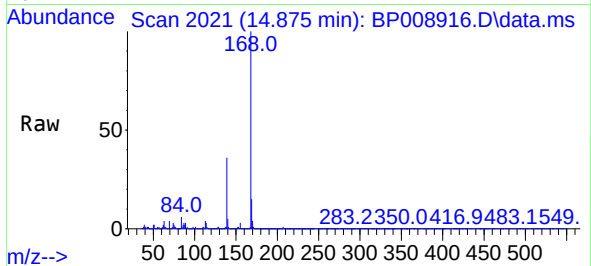
Tgt Ion:154 Resp: 252655
Ion Ratio Lower Upper
154 100
153 109.3 89.4 134.2
152 52.4 42.6 63.8





#55
Dibenzenofuran
Concen: 4.627 ng
RT: 14.875 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

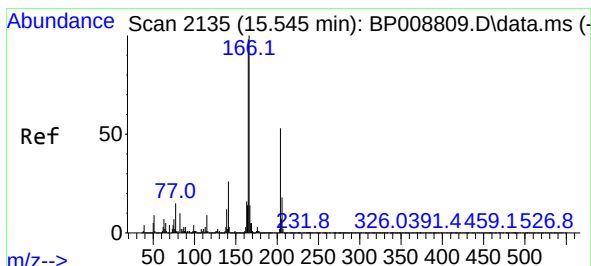
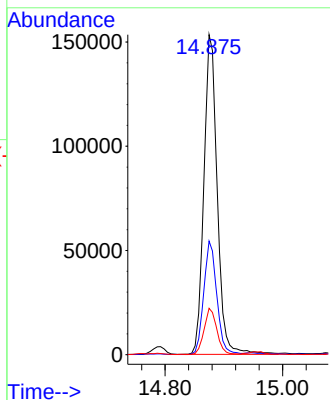
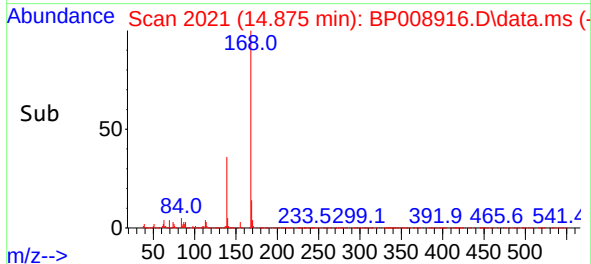
Instrument :
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SB-4(0.5-1)



Tgt Ion:168 Resp: 241210
Ion Ratio Lower Upper
168 100
139 35.5 27.4 41.0
169 14.5 10.9 16.3

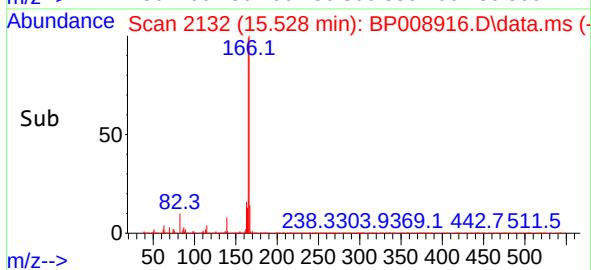
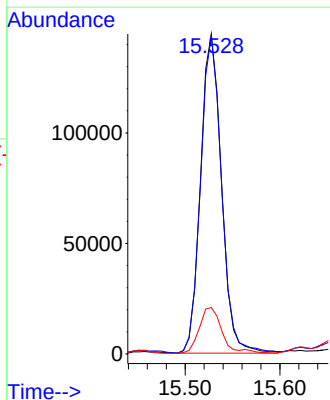
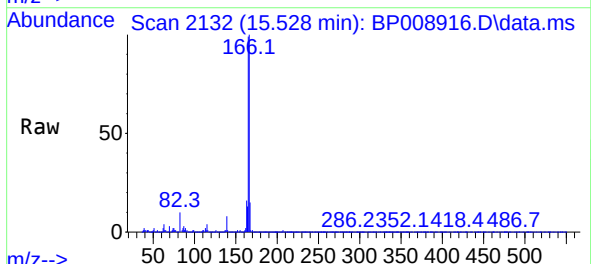
Manual Integrations
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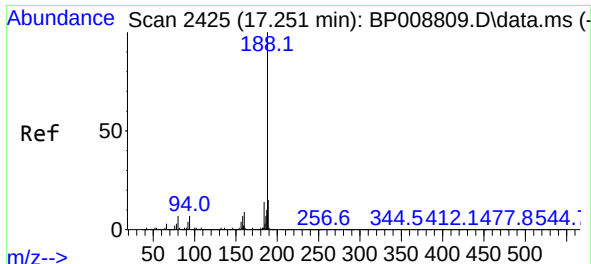
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#58
Fluorene
Concen: 5.385 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Tgt Ion:166 Resp: 221757
Ion Ratio Lower Upper
166 100
165 99.4 77.2 115.8
167 14.5 11.2 16.8





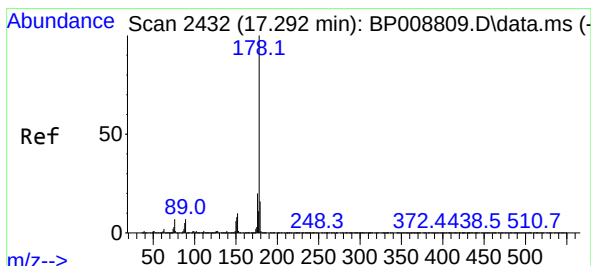
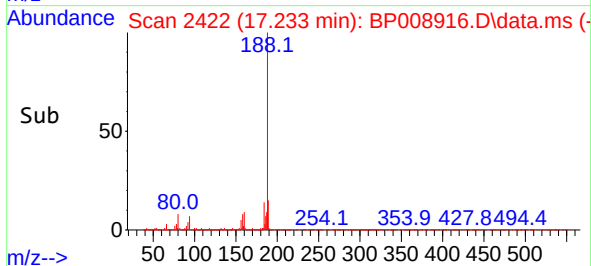
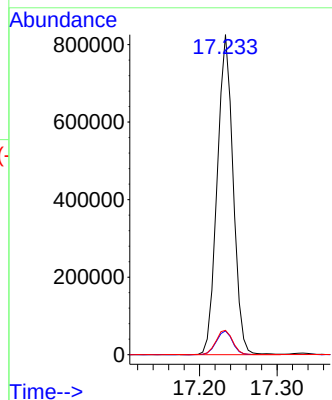
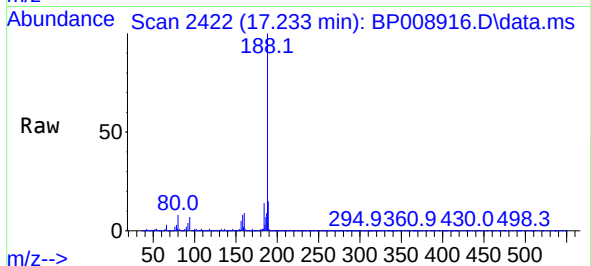
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.233 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)

Tgt Ion:188 Resp: 1178200
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.6 7.2 10.8

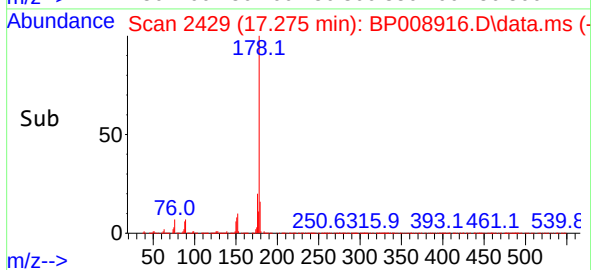
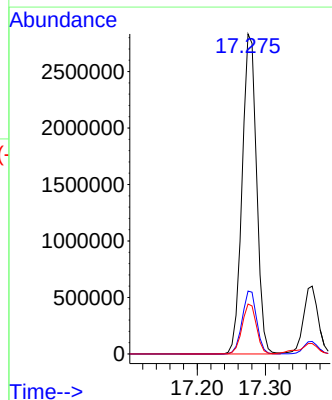
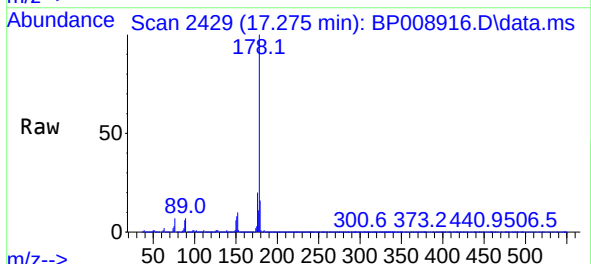
Manual Integrations
APPROVED

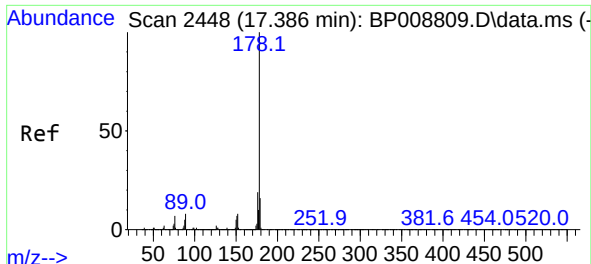
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#71
Phenanthrene
Concen: 62.790 ng
RT: 17.275 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

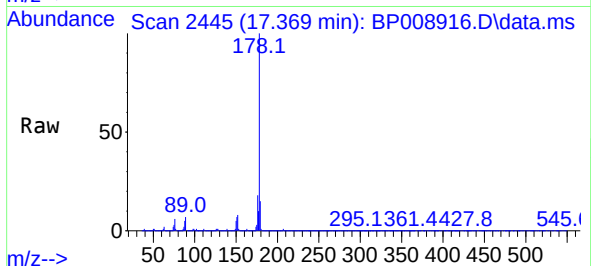
Tgt Ion:178 Resp: 4165287
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.6 13.0 19.4





#72
 Anthracene
 Concen: 13.188 ng
 RT: 17.369 min Scan# 2448
 Delta R.T. -0.006 min
 Lab File: BP008916.D
 Acq: 25 Jan 2022 19:56

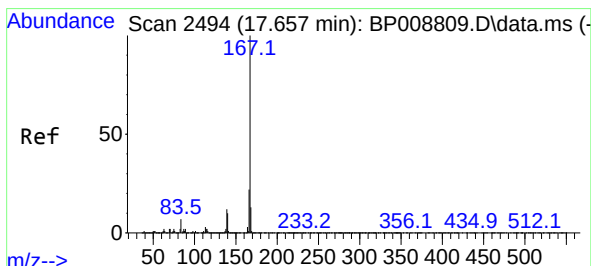
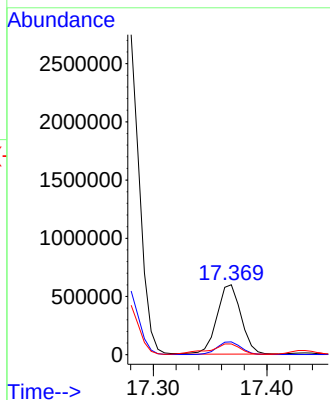
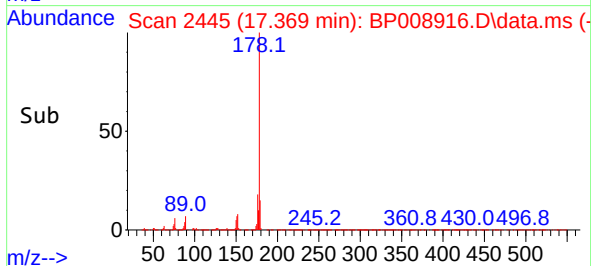
Instrument :
 BNA_P
 ClientSampleId :
 SB-4(0.5-1)



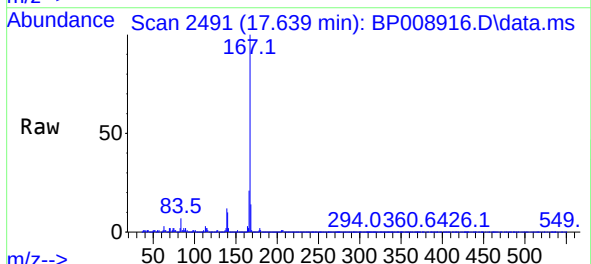
Tgt Ion:178 Resp: 87761
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 15.2 12.8 19.2

Manual Integrations
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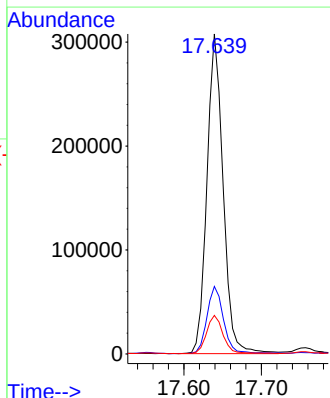
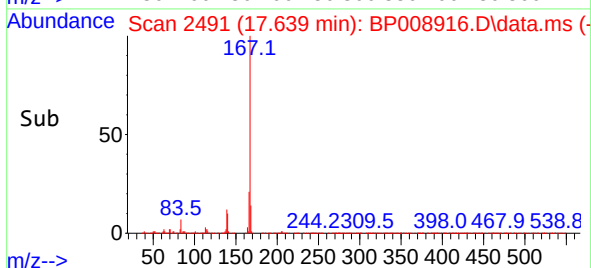
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

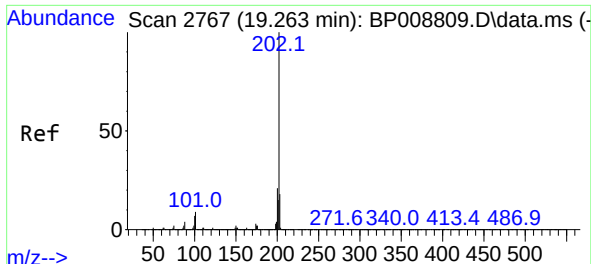


#73
 Carbazole
 Concen: 7.791 ng
 RT: 17.639 min Scan# 2491
 Delta R.T. -0.006 min
 Lab File: BP008916.D
 Acq: 25 Jan 2022 19:56



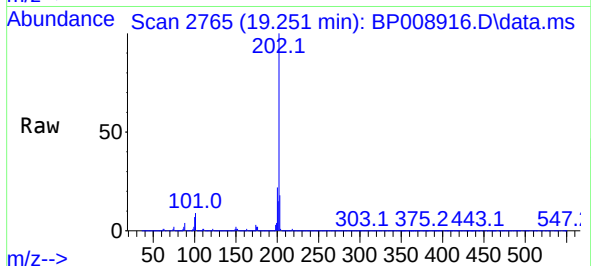
Tgt Ion:167 Resp: 445789
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.7 26.5
 139 12.1 9.8 14.6





#75
Fluoranthene
Concen: 90.815 ng
RT: 19.251 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

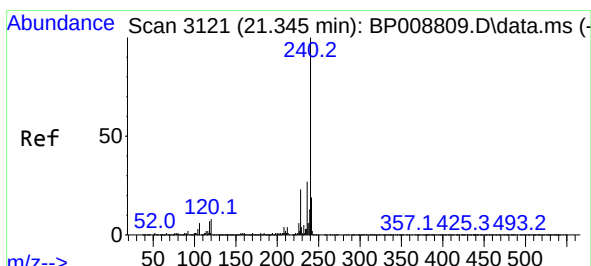
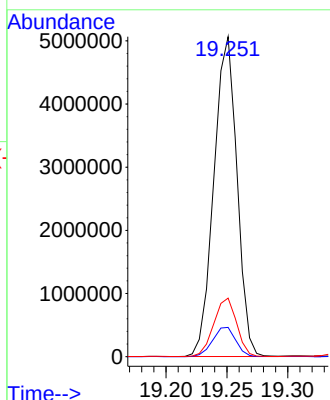
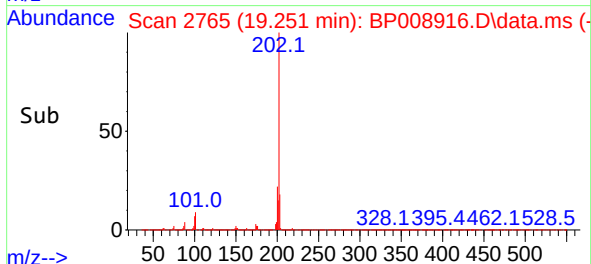
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



Tgt Ion:202 Resp: 6699392
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.7
203 18.3 0.0 38.9

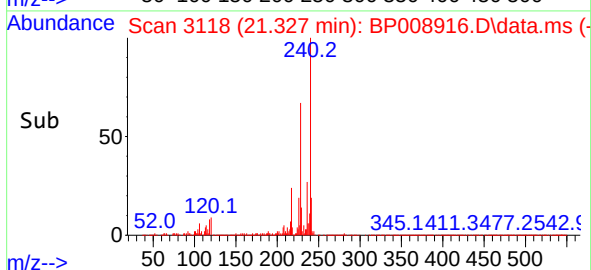
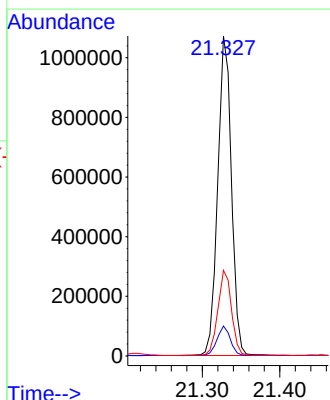
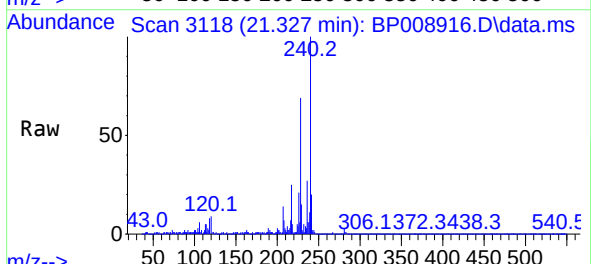
Manual Integrations
APPROVED

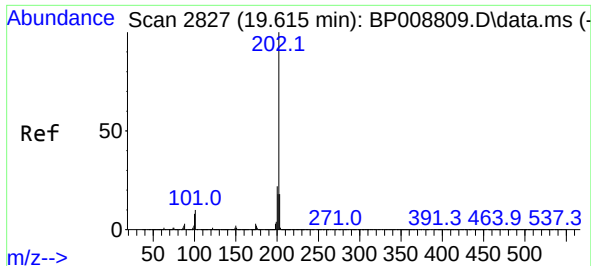
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

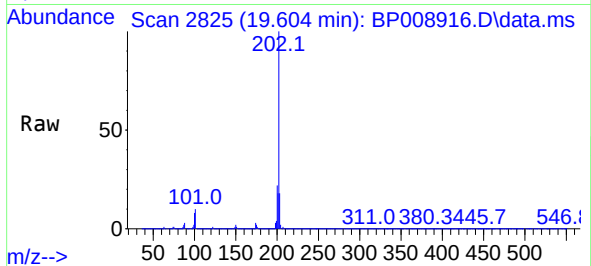
Tgt Ion:240 Resp: 1316124
Ion Ratio Lower Upper
240 100
120 9.4 7.7 11.5
236 26.7 21.2 31.8





#78
Pyrene
Concen: 60.720 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

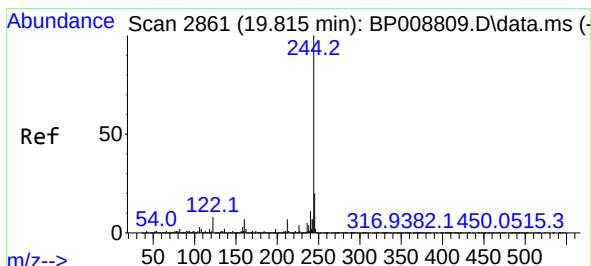
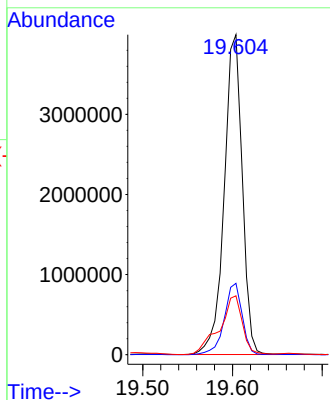
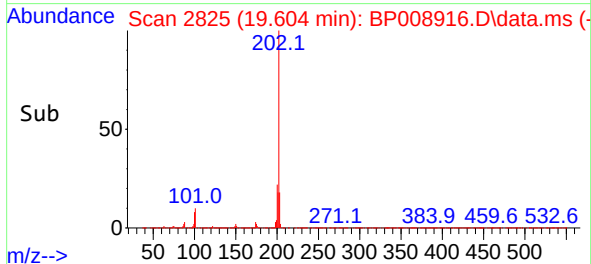
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



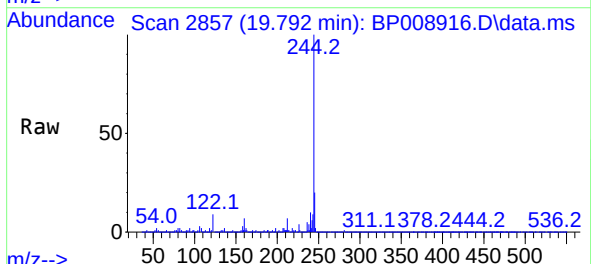
Tgt Ion:202 Resp: 557613
Ion Ratio Lower Upper
202 100
200 22.3 18.0 27.0
203 18.4 15.0 22.6

Manual Integrations
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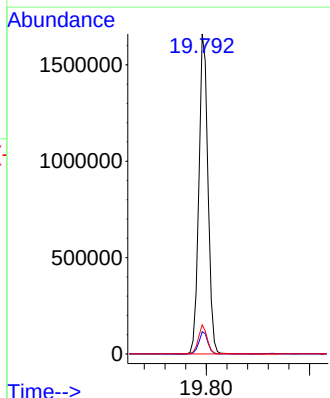
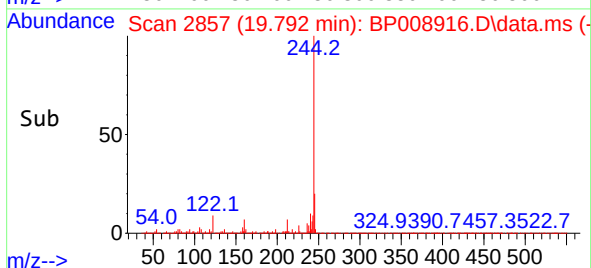
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

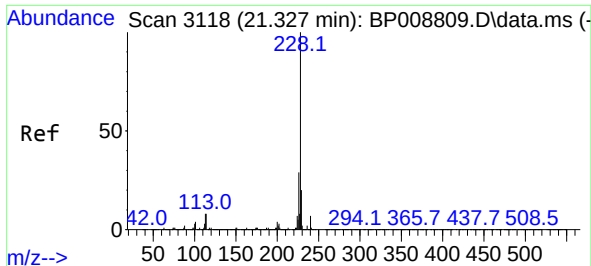


#79
Terphenyl-d14
Concen: 25.856 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.012 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56



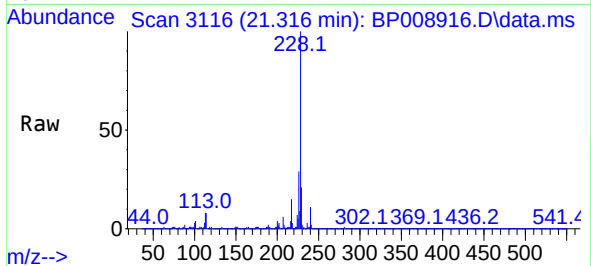
Tgt Ion:244 Resp: 2016016
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 9.1 9.2 13.8





#81
Benzo(a)anthracene
Concen: 40.540 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

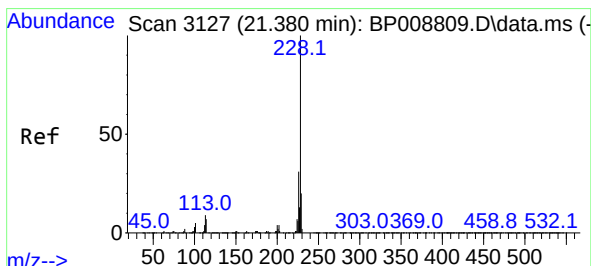
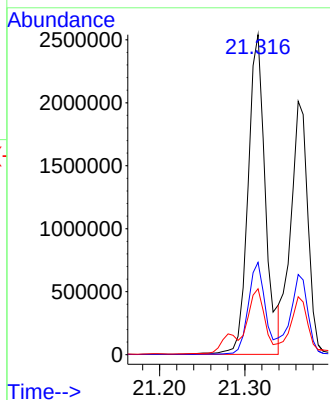
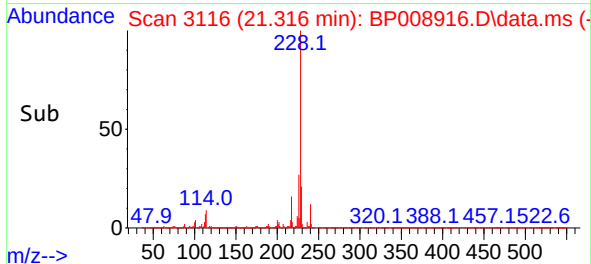
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



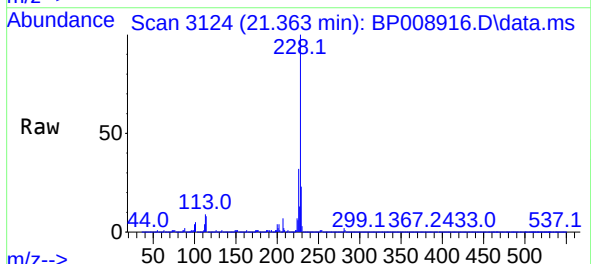
Tgt Ion:228 Resp: 358953
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 20.6 17.0 25.6

Manual Integrations
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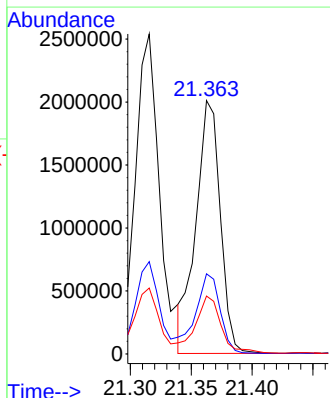
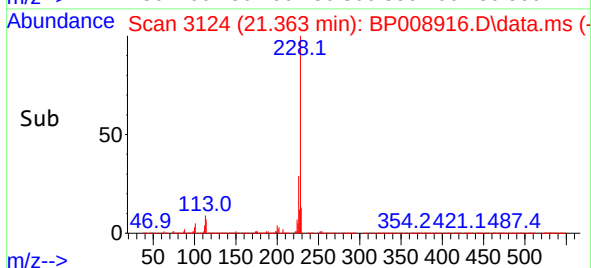
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

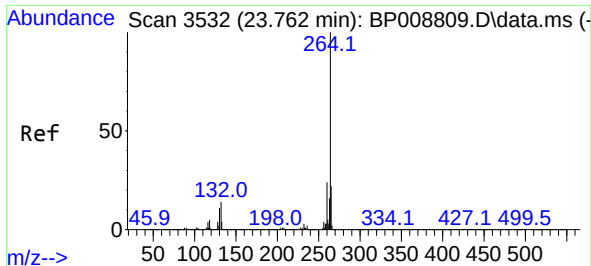


#83
Chrysene
Concen: 32.602 ng
RT: 21.363 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56



Tgt Ion:228 Resp: 2798306
Ion Ratio Lower Upper
228 100
226 31.7 26.0 39.0
229 22.8 16.9 25.3





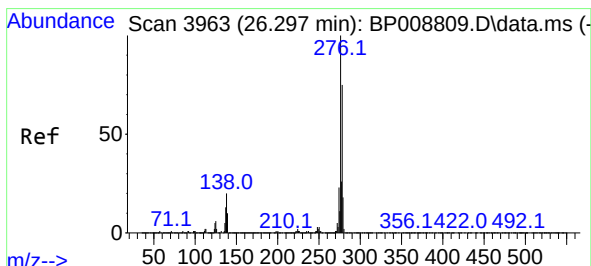
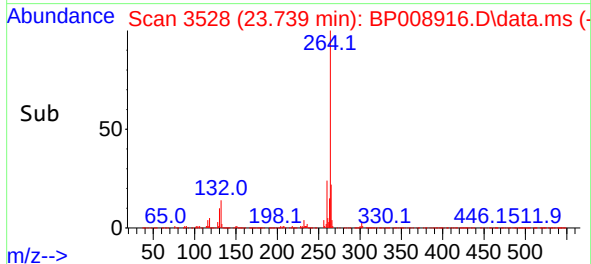
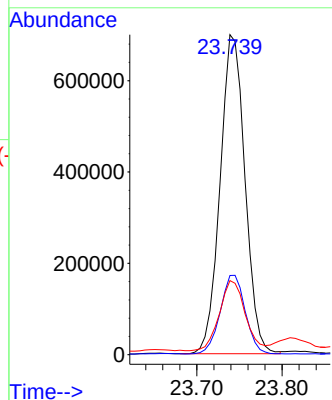
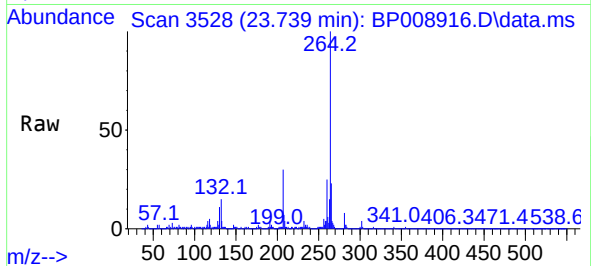
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)

Tgt Ion:264 Resp: 141971
Ion Ratio Lower Upper
264 100
260 24.7 19.1 28.7
265 23.2 17.1 25.7

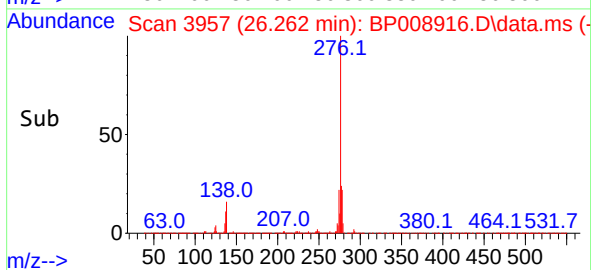
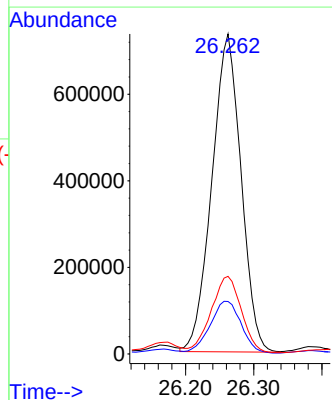
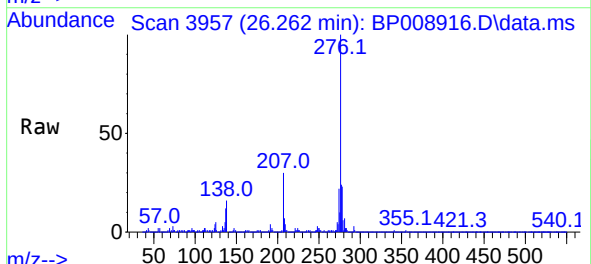
Manual Integrations
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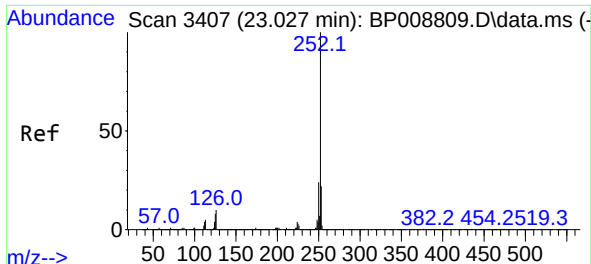
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 18.688 ng
RT: 26.262 min Scan# 3957
Delta R.T. -0.018 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

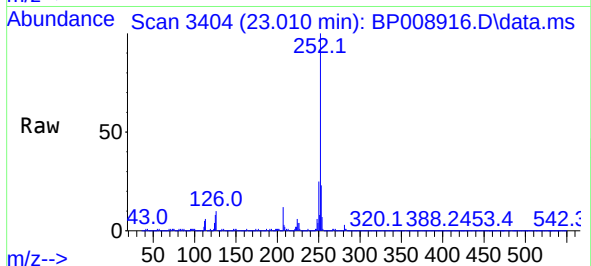
Tgt Ion:276 Resp: 2186200
Ion Ratio Lower Upper
276 100
138 17.3 17.8 26.6#
277 24.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 44.519 ng
RT: 23.010 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

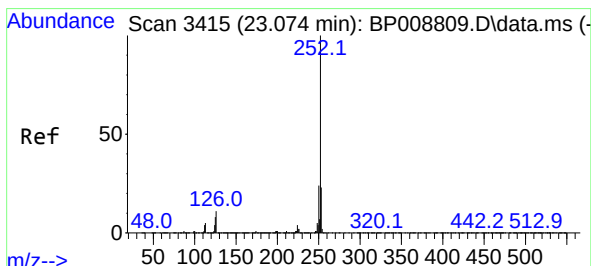
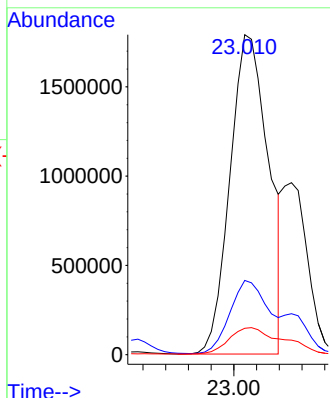
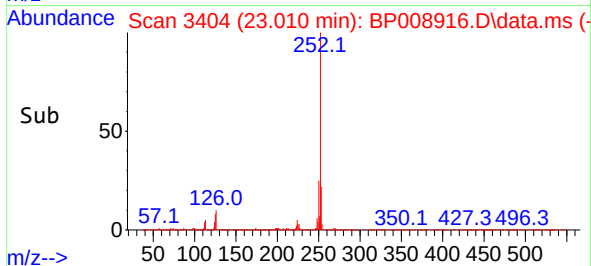
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



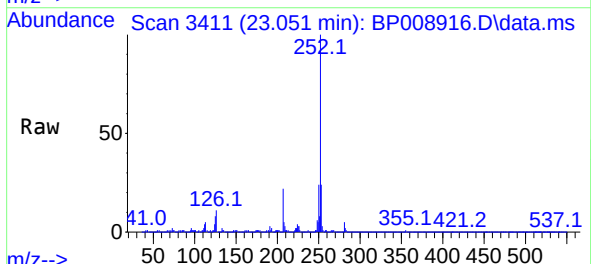
Tgt Ion:252 Resp: 422089
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 8.3 6.9 10.3

Manual Integrations
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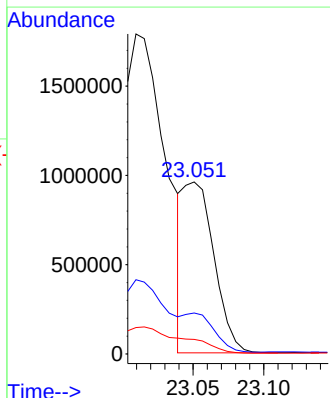
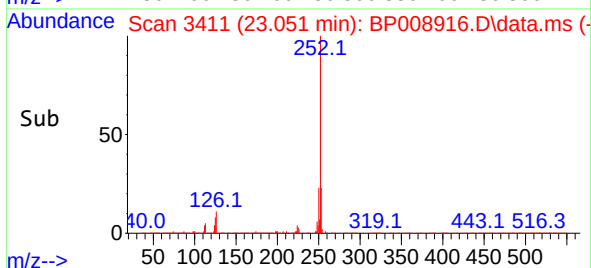
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

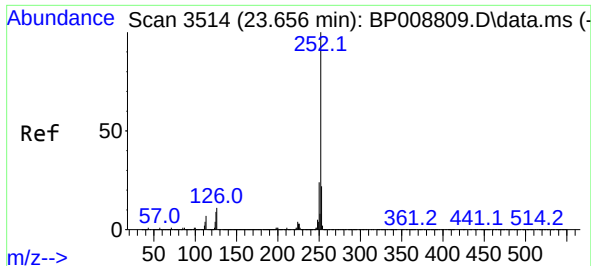


#89
Benzo(k)fluoranthene
Concen: 15.731 ng m
RT: 23.051 min Scan# 3411
Delta R.T. -0.012 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56



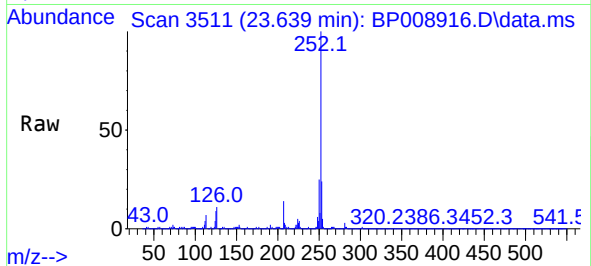
Tgt Ion:252 Resp: 1443760
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 8.5 7.3 10.9





#90
Benzo(a)pyrene
Concen: 32.933 ng
RT: 23.639 min Scan# 301390
Delta R.T. -0.006 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

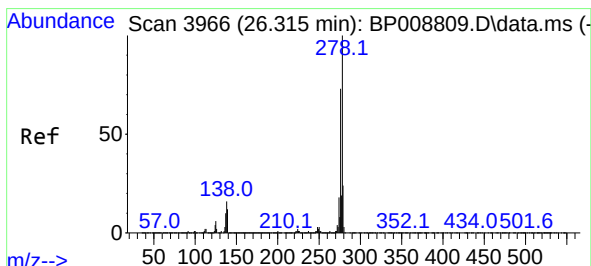
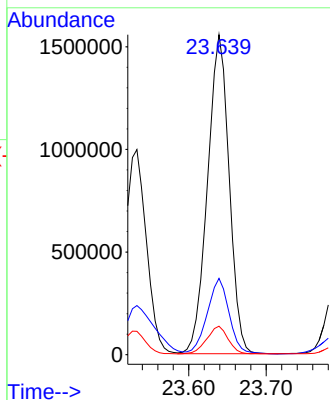
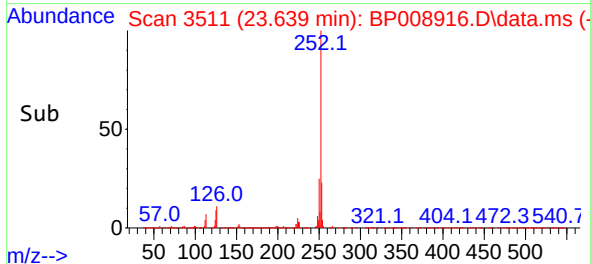
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



Tgt Ion:252 Resp: 301390
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 8.9 7.8 11.6

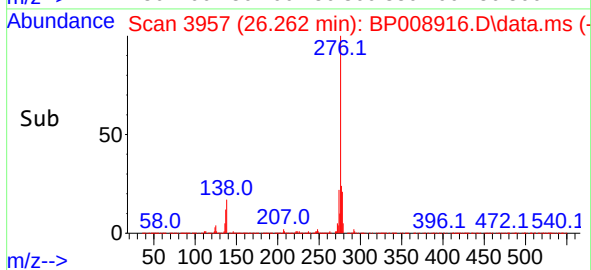
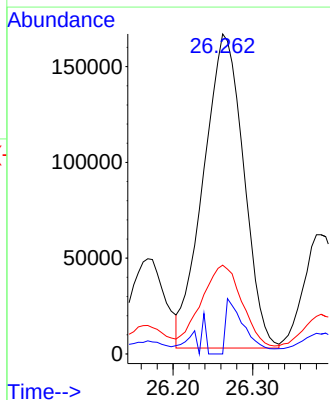
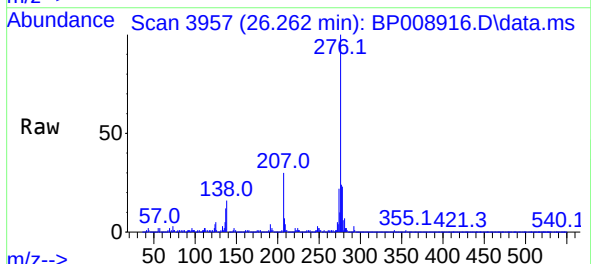
Manual Integrations
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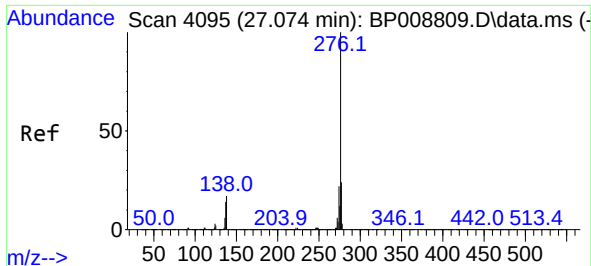
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.783 ng m
RT: 26.262 min Scan# 3957
Delta R.T. -0.035 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

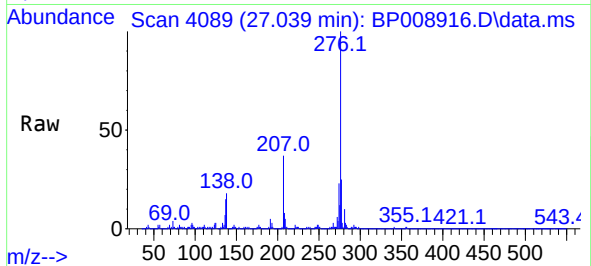
Tgt Ion:278 Resp: 575313
Ion Ratio Lower Upper
278 100
139 0.0 11.5 17.3#
279 27.8 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 20.613 ng
RT: 27.039 min Scan# 4095
Delta R.T. -0.012 min
Lab File: BP008916.D
Acq: 25 Jan 2022 19:56

Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)



Tgt Ion:276 Resp: 2002069
Ion Ratio Lower Upper
276 100
277 24.7 19.2 28.8
138 17.8 15.0 22.4

Manual Integrations
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Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

