

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013122\
 Data File : BP008972.D
 Acq On : 31 Jan 2022 19:10
 Operator : CG/JU
 Sample : N1303-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CC-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/01/2022
 Supervised By : Jagrut Upadhyay 02/01/2022

Quant Time: Feb 01 04:21:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 01 04:16:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	230383	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	824712	20.000	ng	0.00
39) Acenaphthene-d10	14.469	164	467475	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	886262	20.000	ng	-0.01
76) Chrysene-d12	21.316	240	1076099	20.000	ng	-0.01
86) Perylene-d12	23.721	264	1260629	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	669	0.045	ng	0.00
7) Phenol-d6	7.040	99	13205	0.732	ng	0.02
23) Nitrobenzene-d5	8.987	82	856780	58.981	ng	-0.01
42) 2,4,6-Tribromophenol	15.981	330	152	0.022	ng	0.00
45) 2-Fluorobiphenyl	13.093	172	2098126	59.188	ng	0.00
79) Terphenyl-d14	19.786	244	2802063	43.952	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.675	128	1650382	36.845	ng	99
37) 2-Methylnaphthalene	12.293	142	213189	6.510	ng	98
38) 1-Methylnaphthalene	12.510	142	117772m	3.918	ng	
52) Acenaphthene	14.534	154	62405	2.375	ng	98
58) Fluorene	15.522	166	92180	2.725	ng	97
71) Phenanthrene	17.263	178	998537	20.011	ng	98
72) Anthracene	17.357	178	172096	3.438	ng	99
75) Fluoranthene	19.239	202	1103912	19.894	ng	96
78) Pyrene	19.592	202	1043574	13.899	ng	98
81) Benzo(a)anthracene	21.304	228	617081	8.524	ng	98
83) Chrysene	21.351	228	623454	8.884	ng	98
87) Indeno(1,2,3-cd)pyrene	26.227	276	416976	4.014	ng	# 95
88) Benzo(b)fluoranthene	22.992	252	787584	9.355	ng	96
89) Benzo(k)fluoranthene	23.033	252	269222m	3.304	ng	
90) Benzo(a)pyrene	23.621	252	553798	6.815	ng	98
92) Benzo(g,h,i)perylene	26.998	276	419740	4.867	ng	99

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

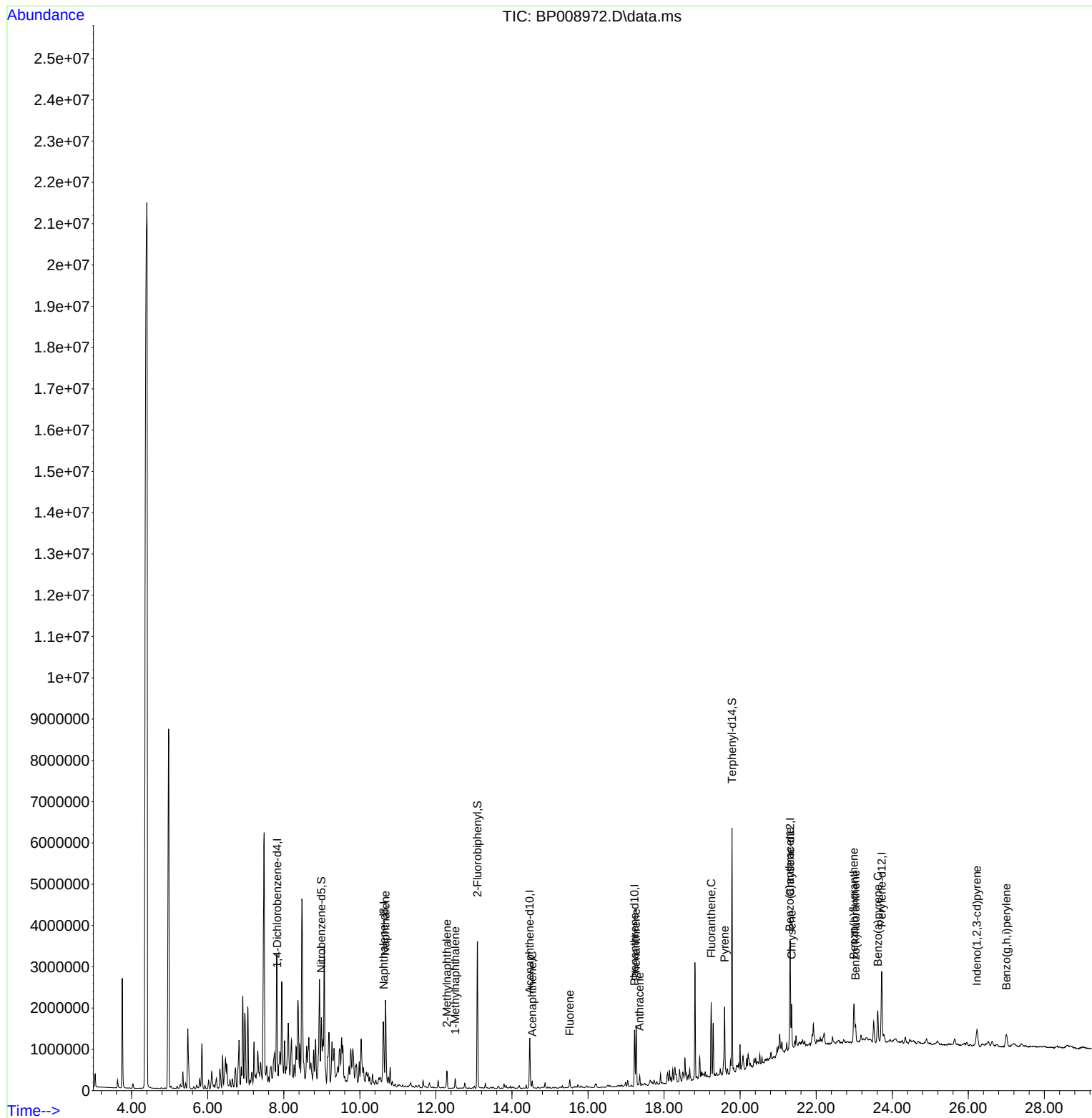
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013122\
Data File : BP008972.D
Acq On : 31 Jan 2022 19:10
Operator : CG/JU
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ALS Vial : 14 Sample Multiplier: 1

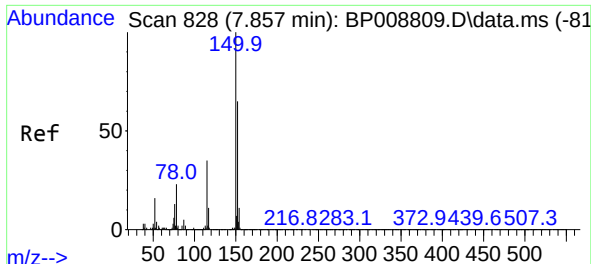
Instrument :
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Quant Time: Feb 01 04:21:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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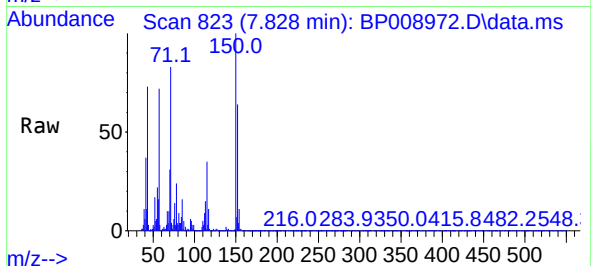
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

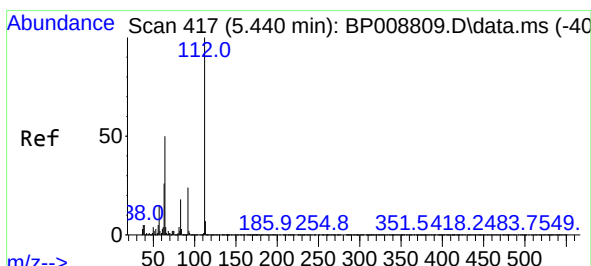
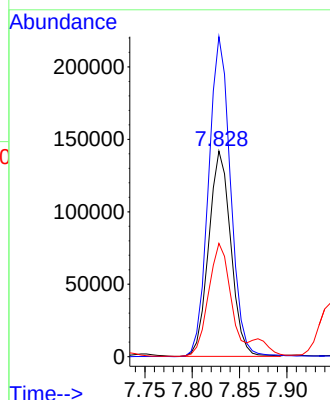
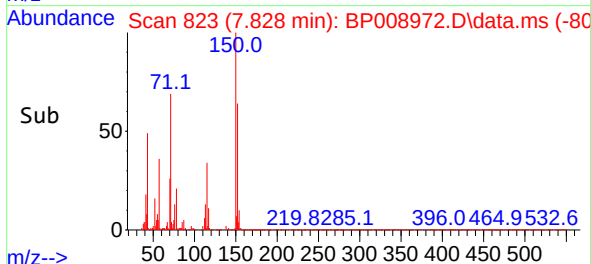
Instrument :
BNA_P
ClientSampleId :
CC-5



Tgt Ion:152 Resp: 23038
Ion Ratio Lower Upper
152 100
150 155.6 127.0 190.6
115 55.1 43.7 65.5

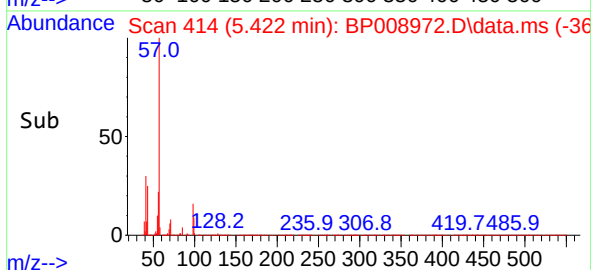
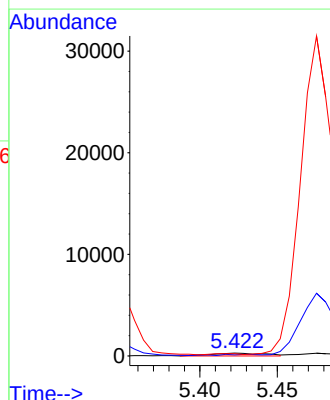
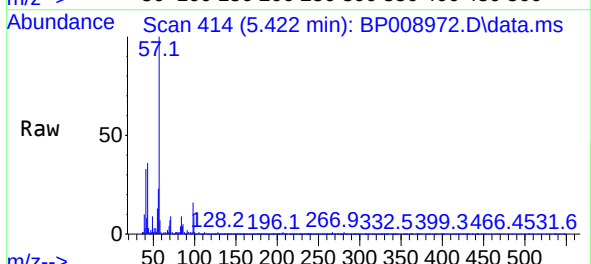
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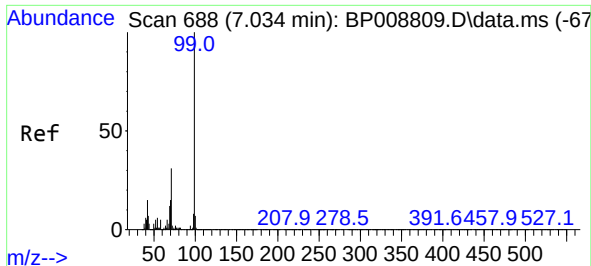
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#5
2-Fluorophenol
Concen: 0.045 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.000 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Tgt Ion:112 Resp: 669
Ion Ratio Lower Upper
112 100
64 40.0 39.7 59.5
63 76.5 20.0 30.0#





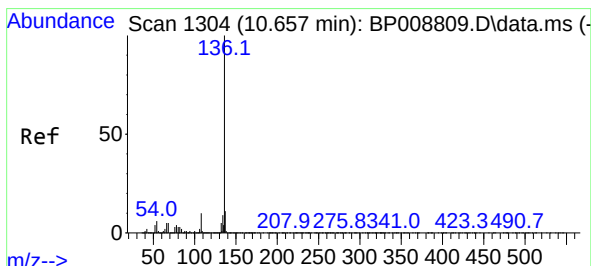
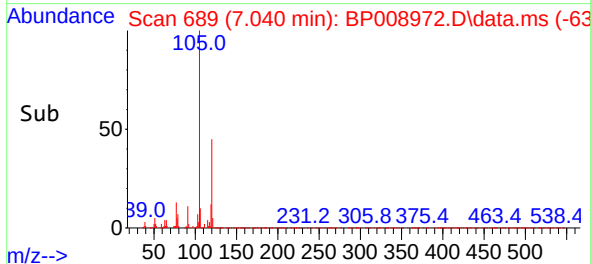
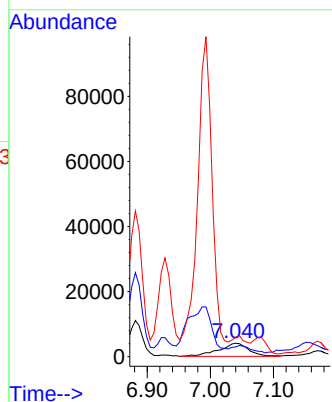
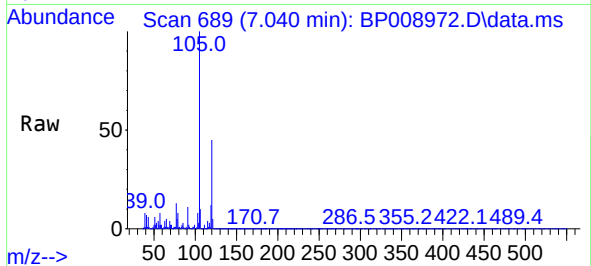
#7
Phenol-d6
Concen: 0.732 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.024 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Instrument :
BNA_P
ClientSampleId :
CC-5

Tgt Ion: 99 Resp: 1320
Ion Ratio Lower Upper
99 100
42 72.9 10.8 16.2
71 144.9 23.8 35.6

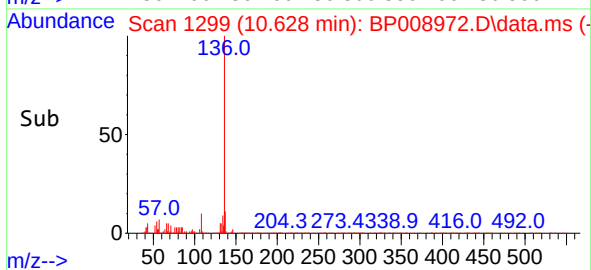
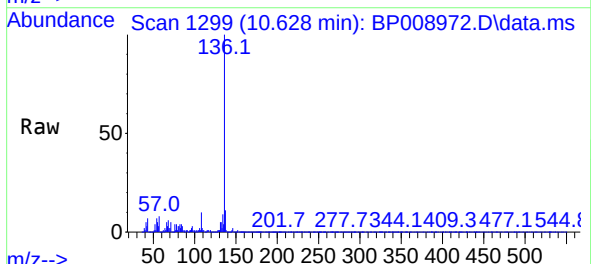
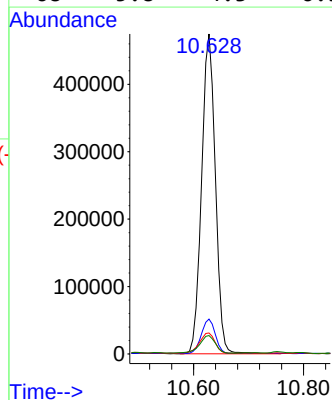
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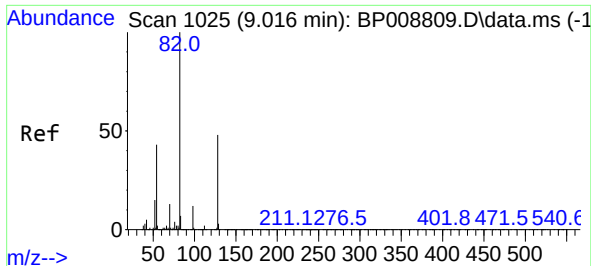
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Tgt Ion:136 Resp: 824712
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.5 4.9 7.3
68 5.8 4.3 6.5





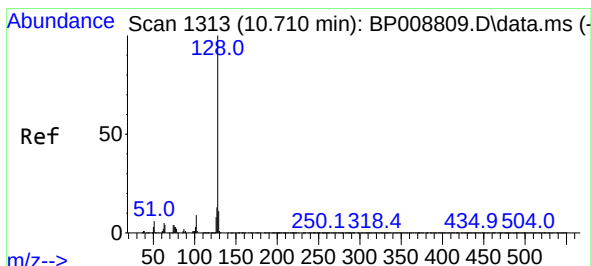
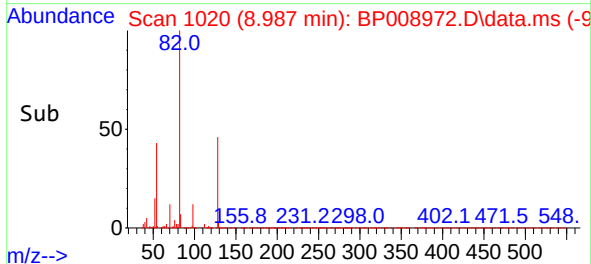
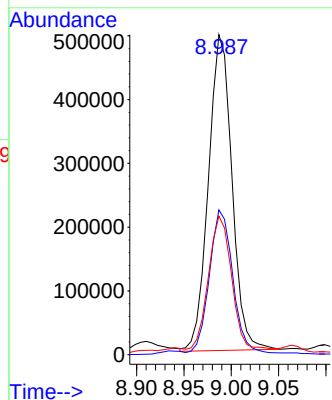
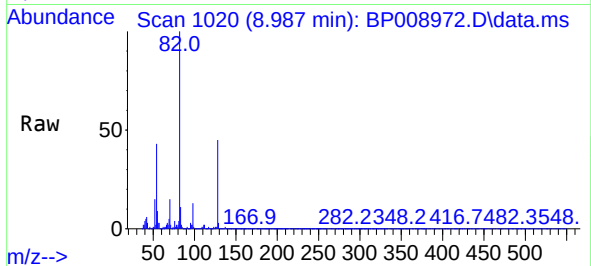
#23
Nitrobenzene-d5
Concen: 58.981 ng
RT: 8.987 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Instrument :
BNA_P
ClientSampleId :
CC-5

Tgt Ion: 82 Resp: 856780
Ion Ratio Lower Upper
82 100
128 45.2 39.4 59.2
54 43.3 32.6 48.8

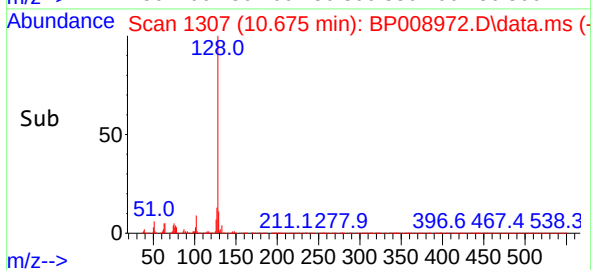
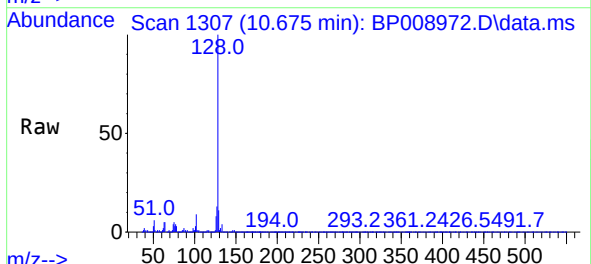
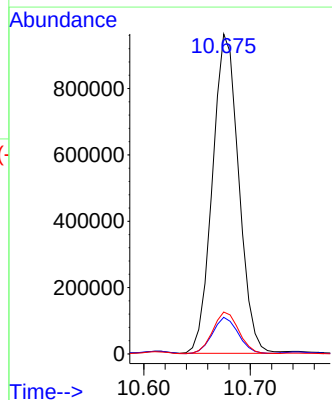
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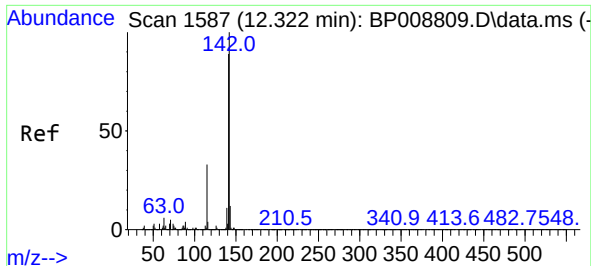
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#31
Naphthalene
Concen: 36.845 ng
RT: 10.675 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Tgt Ion:128 Resp: 1650382
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.1 10.4 15.6





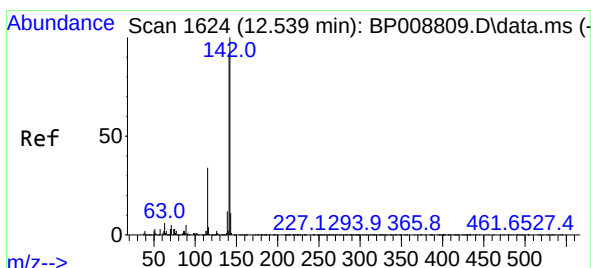
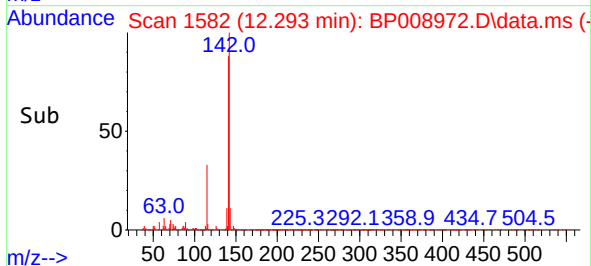
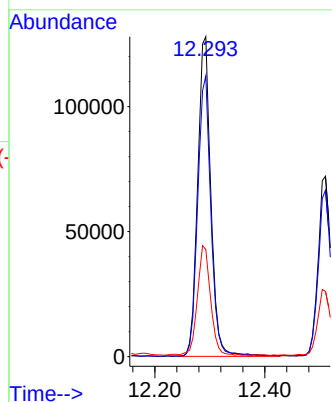
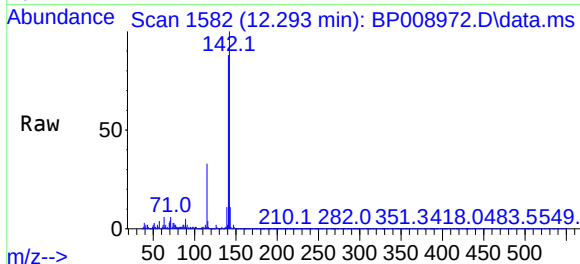
#37
2-Methylnaphthalene
Concen: 6.510 ng
RT: 12.293 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Instrument :
BNA_P
ClientSampleId :
CC-5

Tgt Ion:142 Resp: 213189
Ion Ratio Lower Upper
142 100
141 87.8 70.5 105.7
115 33.5 24.6 36.8

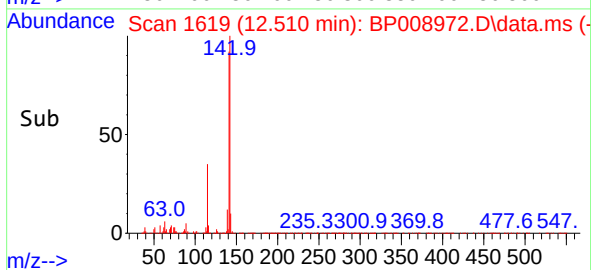
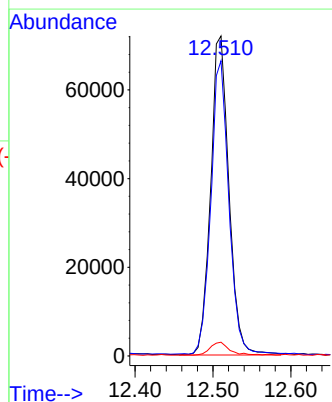
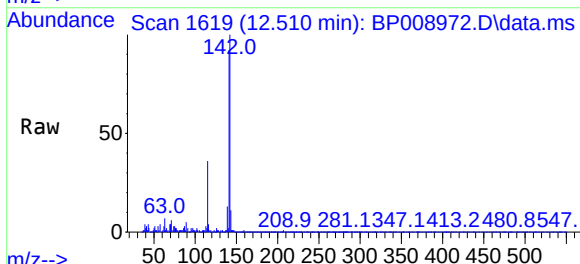
Manual Integrations
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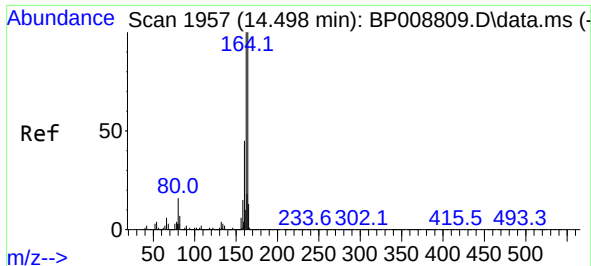
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#38
1-Methylnaphthalene
Concen: 3.918 ng m
RT: 12.510 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

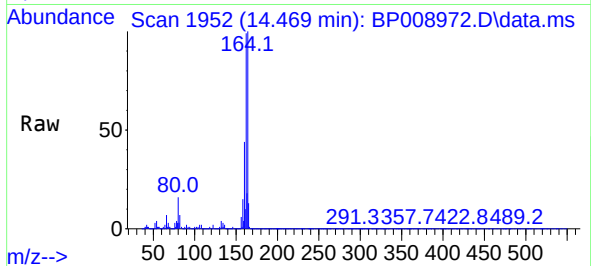
Tgt Ion:142 Resp: 117772
Ion Ratio Lower Upper
142 100
141 92.2 73.2 109.8
116 4.3 2.7 4.1#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.469 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

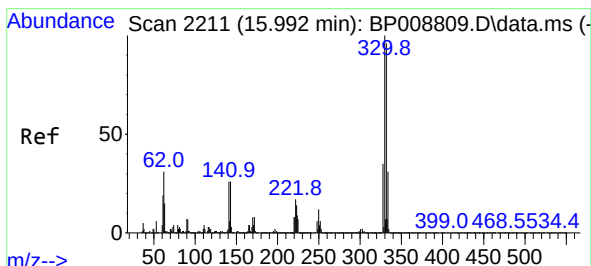
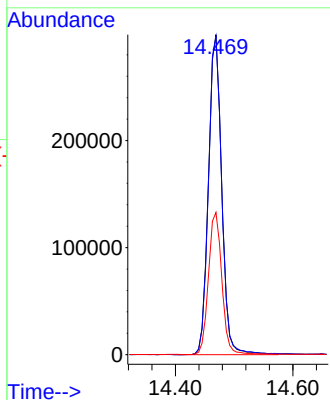
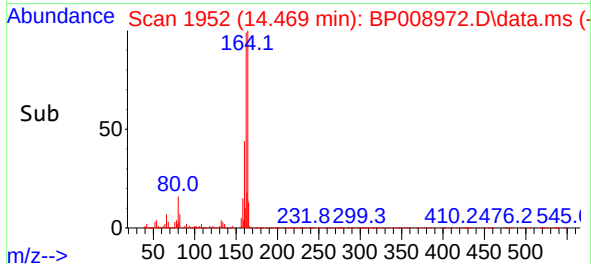
Instrument :
BNA_P
ClientSampleId :
CC-5



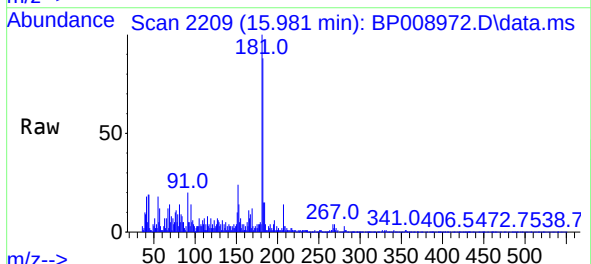
Tgt Ion:164 Resp: 467475
Ion Ratio Lower Upper
164 100
162 99.4 79.9 119.9
160 44.4 35.5 53.3

Manual Integrations
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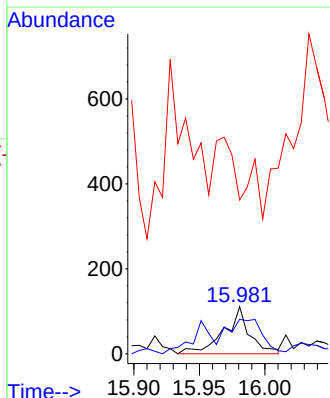
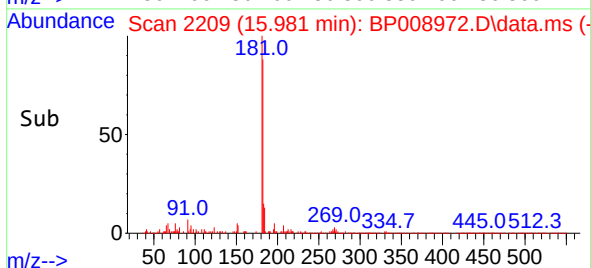
Reviewed By :Christian Giraldo 02/01/2022
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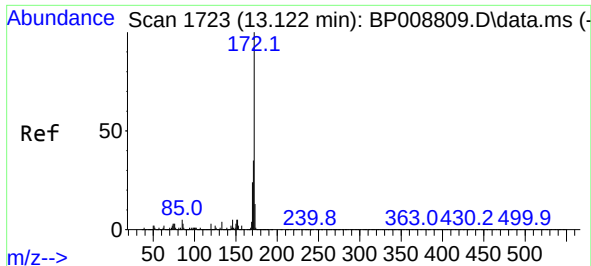


#42
2,4,6-Tribromophenol
Concen: 0.022 ng
RT: 15.981 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10



Tgt Ion:330 Resp: 152
Ion Ratio Lower Upper
330 100
332 94.1 77.0 115.4
141 84.2 21.3 31.9#





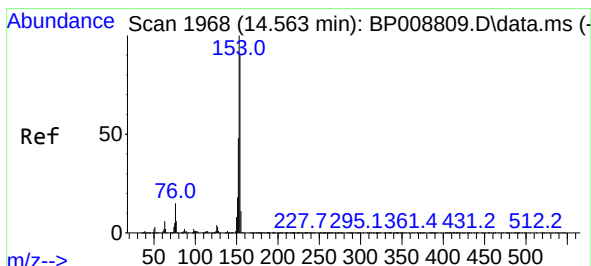
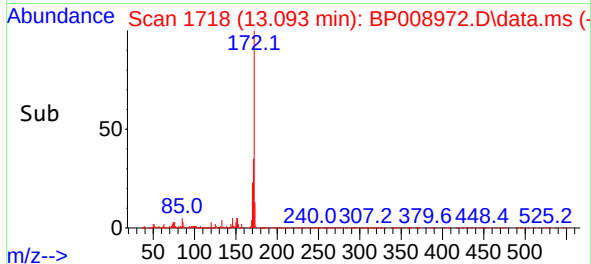
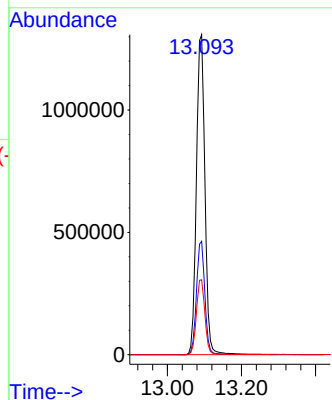
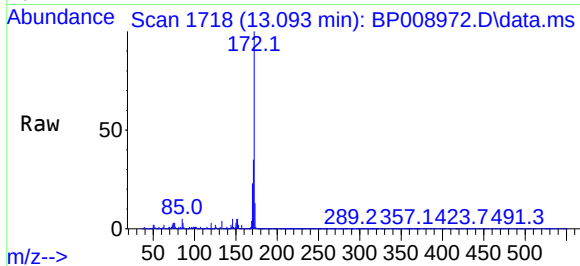
#45
2-Fluorobiphenyl
Concen: 59.188 ng
RT: 13.093 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Instrument :
BNA_P
ClientSampleId :
CC-5

Tgt Ion:172 Resp: 2098120
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.4 19.5 29.3

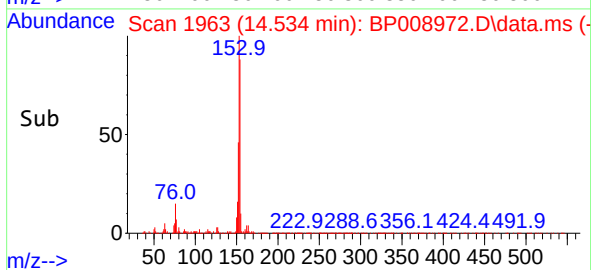
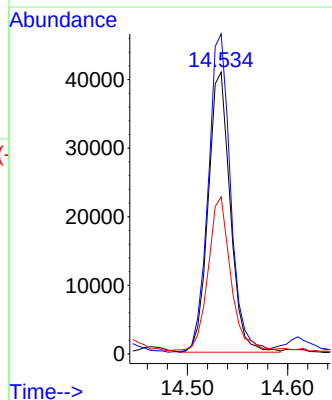
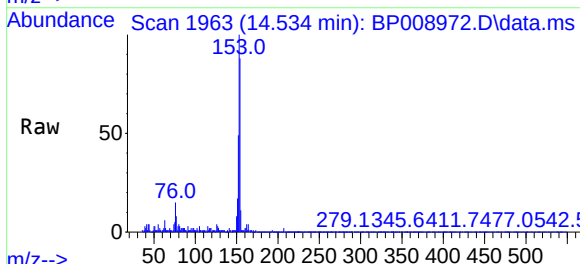
Manual Integrations
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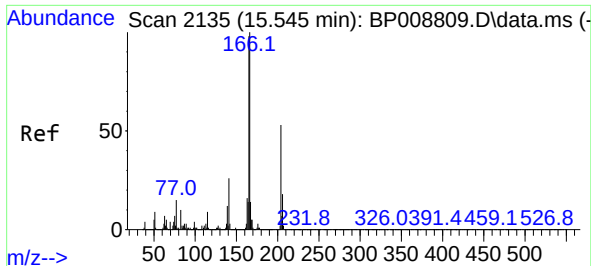
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#52
Acenaphthene
Concen: 2.375 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Tgt Ion:154 Resp: 62405
Ion Ratio Lower Upper
154 100
153 113.6 89.4 134.2
152 55.8 42.6 63.8





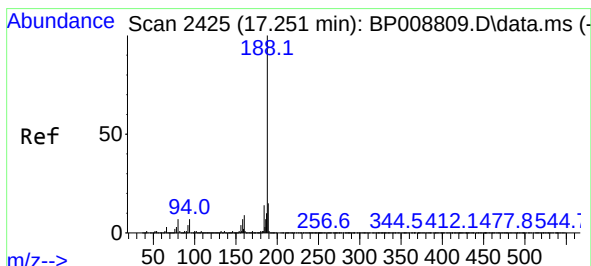
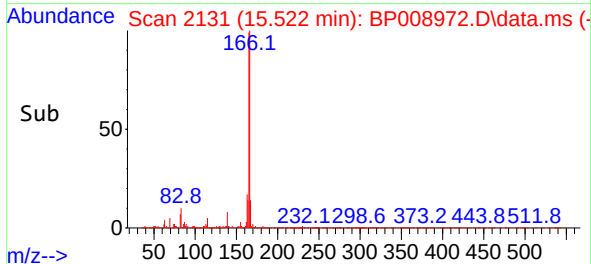
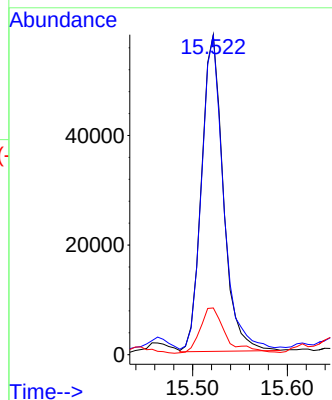
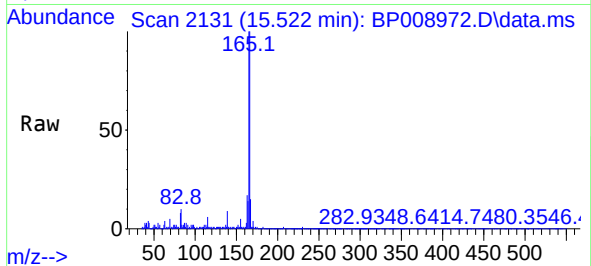
#58
Fluorene
Concen: 2.725 ng
RT: 15.522 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Instrument :
BNA_P
ClientSampleId :
CC-5

Tgt Ion:166 Resp: 92180
Ion Ratio Lower Upper
166 100
165 99.7 77.2 115.8
167 14.6 11.2 16.8

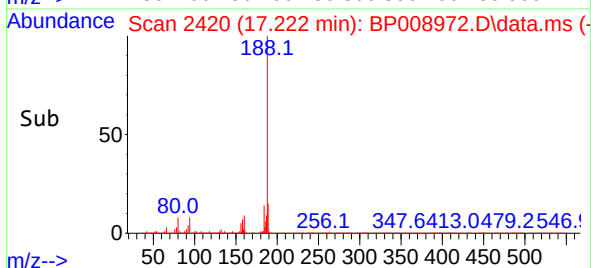
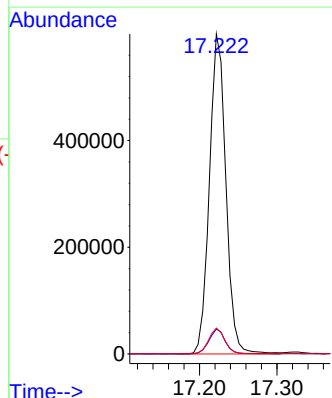
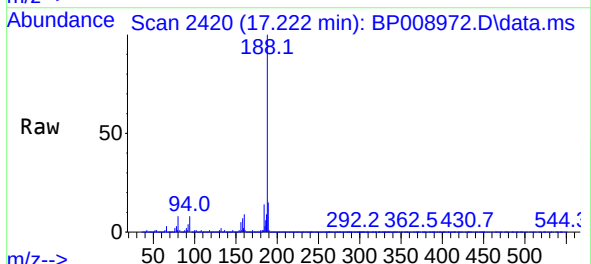
Manual Integrations
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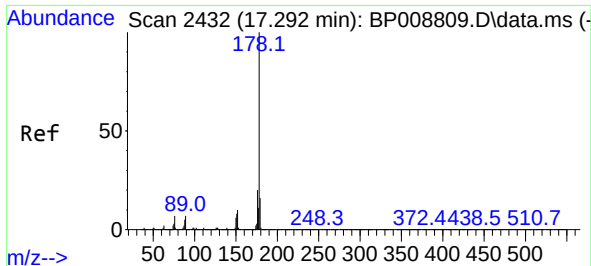
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Tgt Ion:188 Resp: 886262
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.1 7.2 10.8





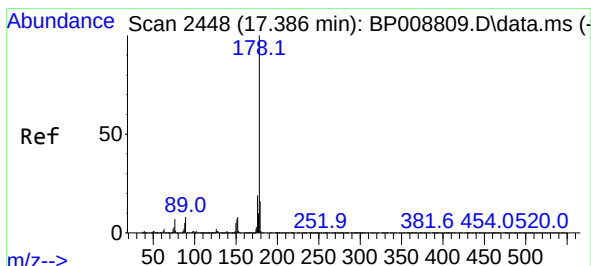
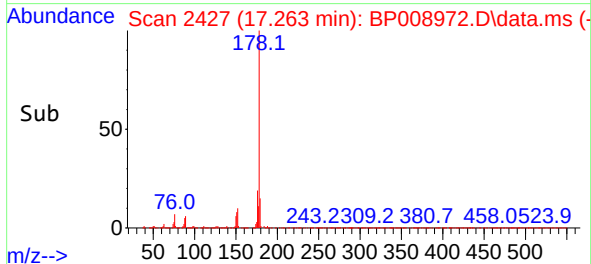
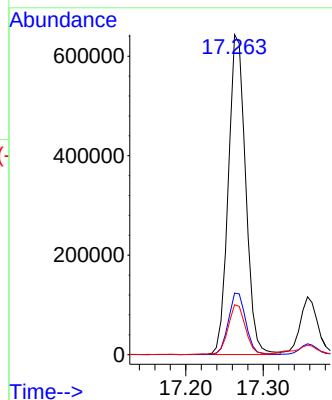
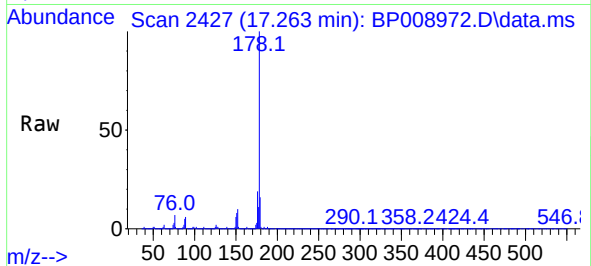
#71
Phenanthrene
Concen: 20.011 ng
RT: 17.263 min Scan# 2432
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Instrument :
BNA_P
Client SampleId :
CC-5

Tgt Ion:178 Resp: 99853
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.6 13.0 19.4

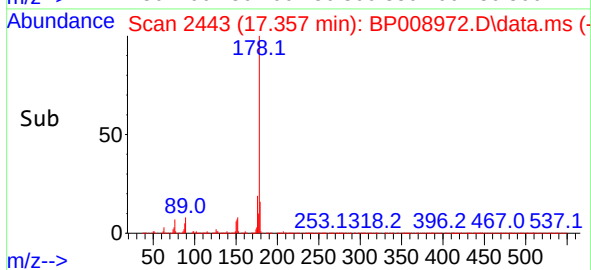
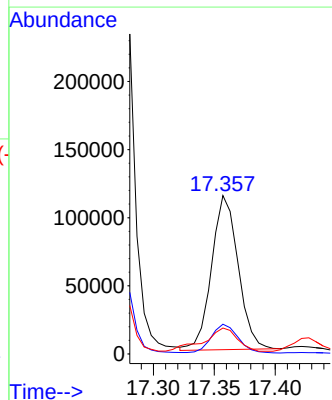
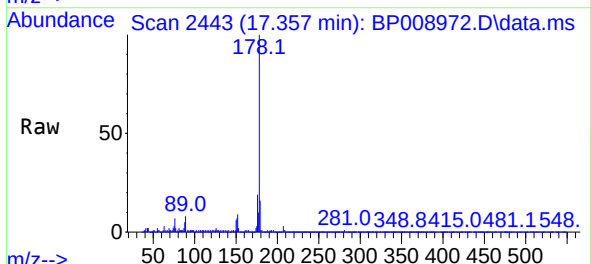
Manual Integrations
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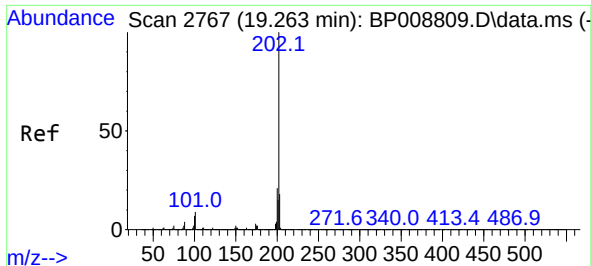
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#72
Anthracene
Concen: 3.438 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

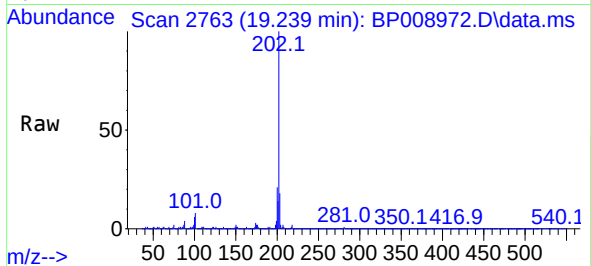
Tgt Ion:178 Resp: 172096
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 16.4 12.8 19.2





#75
Fluoranthene
Concen: 19.894 ng
RT: 19.239 min Scan# 211
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

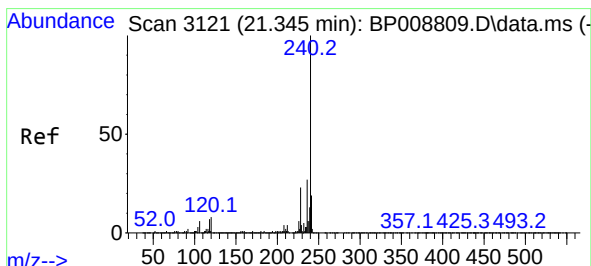
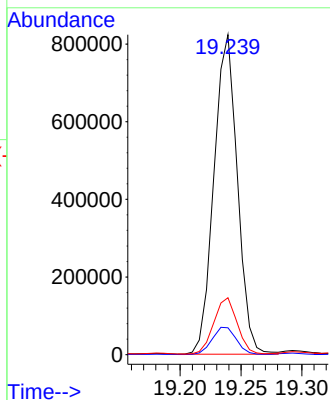
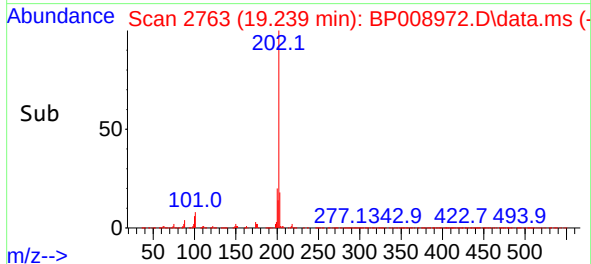
Instrument :
BNA_P
ClientSampleId :
CC-5



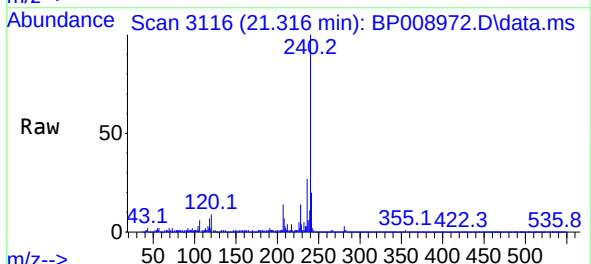
Tgt Ion:202 Resp: 110391
Ion Ratio Lower Upper
202 100
101 8.4 0.0 30.7
203 17.8 0.0 38.9

Manual Integrations
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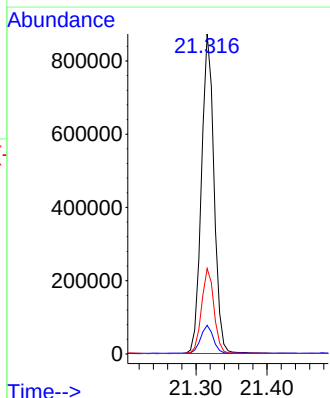
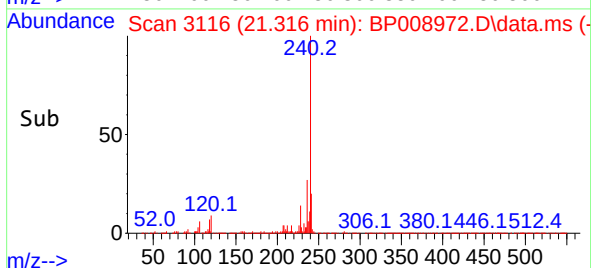
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

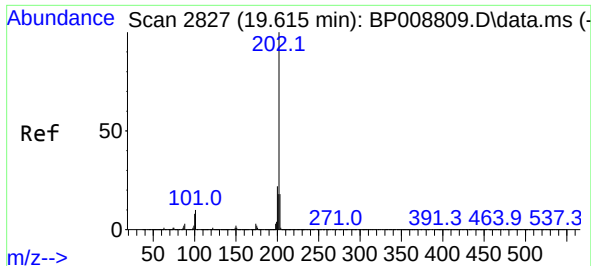


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10



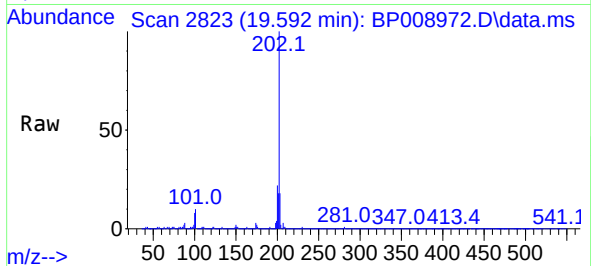
Tgt Ion:240 Resp: 1076099
Ion Ratio Lower Upper
240 100
120 8.9 7.7 11.5
236 26.7 21.2 31.8





#78
 Pyrene
 Concen: 13.899 ng
 RT: 19.592 min Scan# 2823
 Delta R.T. -0.006 min
 Lab File: BP008972.D
 Acq: 31 Jan 2022 19:10

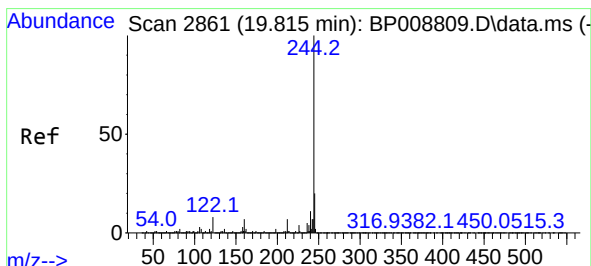
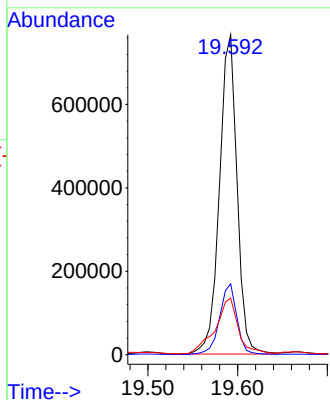
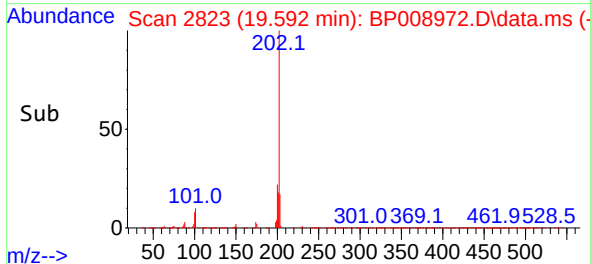
Instrument :
 BNA_P
 ClientSampleId :
 CC-5



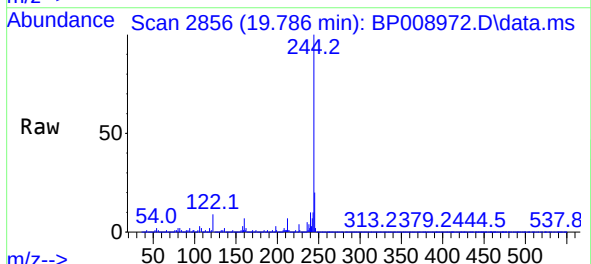
Tgt Ion:202 Resp: 1043574
 Ion Ratio Lower Upper
 202 100
 200 22.1 18.0 27.0
 203 17.6 15.0 22.6

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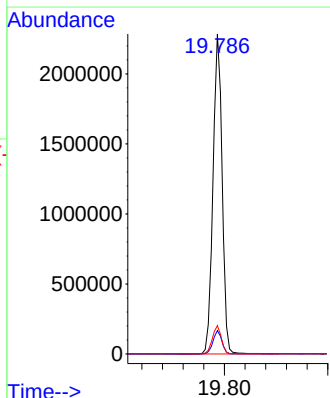
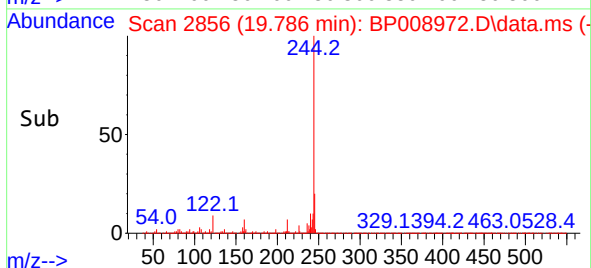
Reviewed By :Christian Giraldo 02/01/2022
 Supervised By :Jagrut Upadhyay 02/01/2022

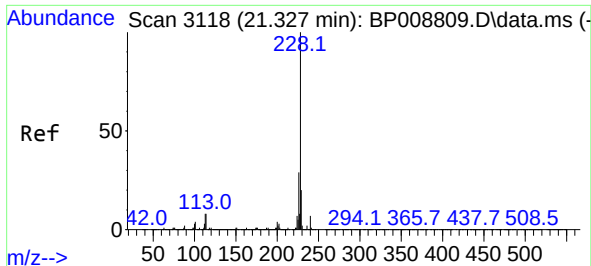


#79
 Terphenyl-d14
 Concen: 43.952 ng
 RT: 19.786 min Scan# 2856
 Delta R.T. -0.012 min
 Lab File: BP008972.D
 Acq: 31 Jan 2022 19:10



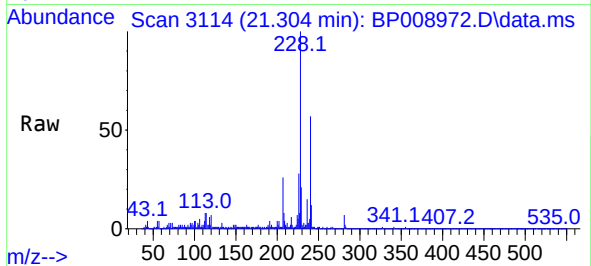
Tgt Ion:244 Resp: 2802063
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 8.8 9.2 13.8#





#81
Benzo(a)anthracene
Concen: 8.524 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

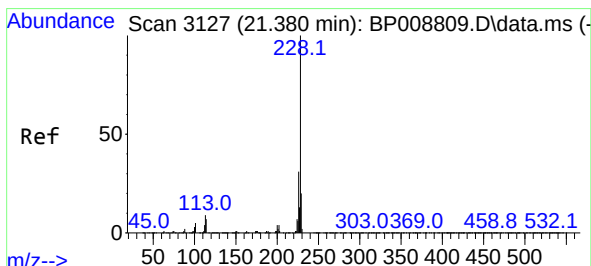
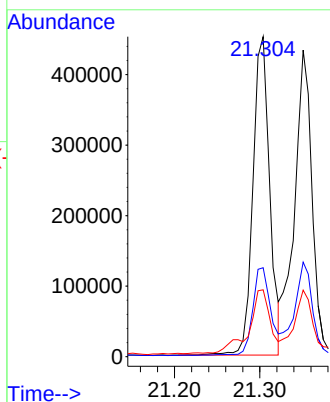
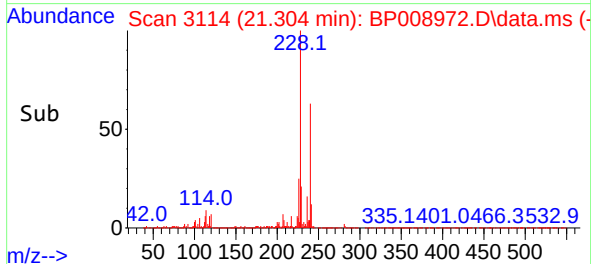
Instrument :
BNA_P
ClientSampleId :
CC-5



Tgt Ion:228 Resp: 61708
Ion Ratio Lower Upper
228 100
226 27.8 23.3 34.9
229 20.9 17.0 25.6

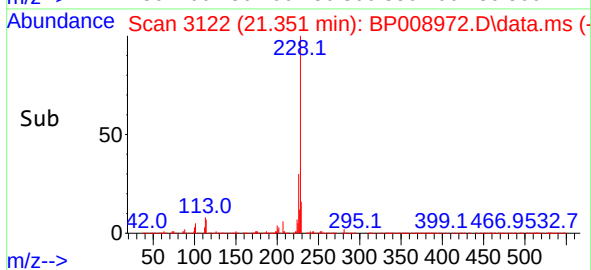
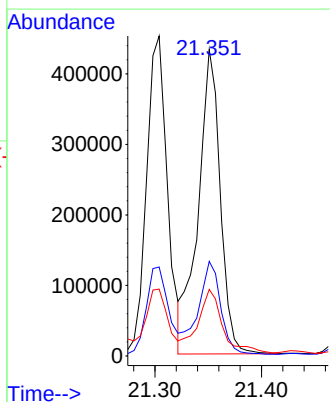
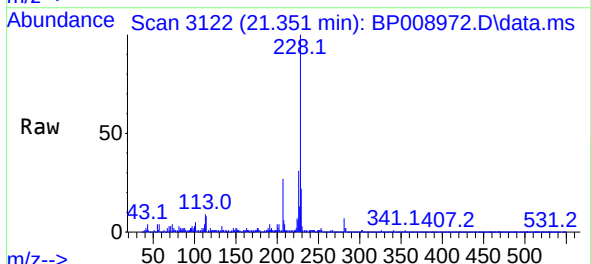
Manual Integrations
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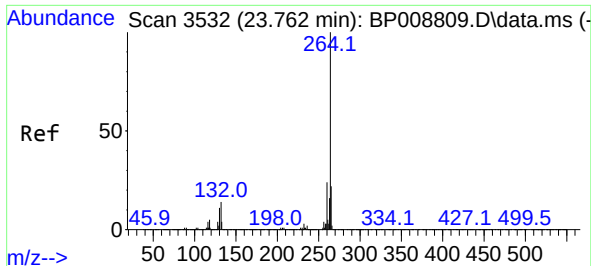
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#83
Chrysene
Concen: 8.884 ng
RT: 21.351 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

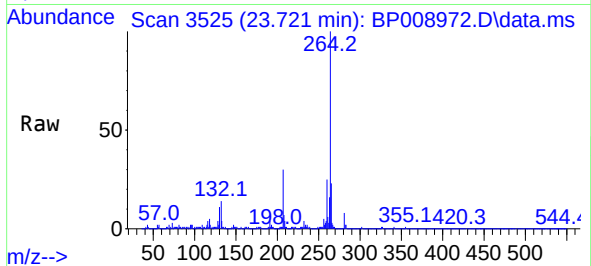
Tgt Ion:228 Resp: 623454
Ion Ratio Lower Upper
228 100
226 30.8 26.0 39.0
229 21.7 16.9 25.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 31
Delta R.T. -0.017 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

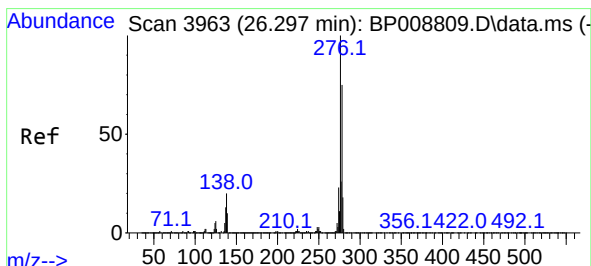
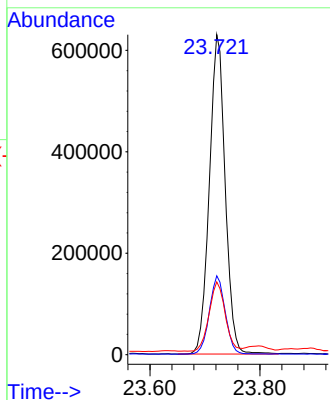
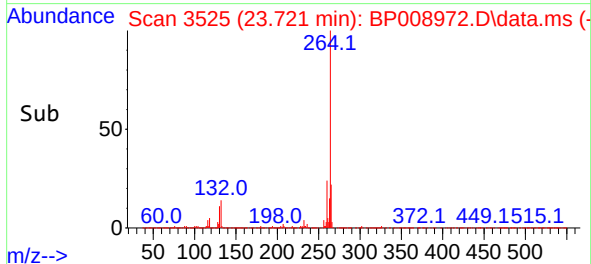
Instrument :
BNA_P
ClientSampleId :
CC-5



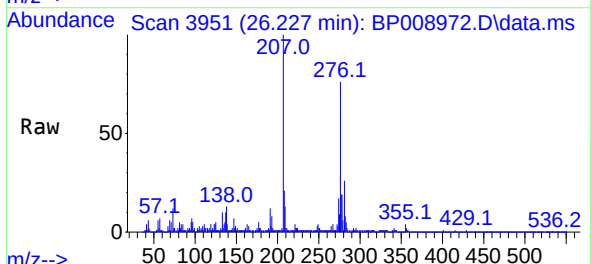
Tgt Ion:264 Resp: 1260629
Ion Ratio Lower Upper
264 100
260 24.7 19.1 28.7
265 22.8 17.1 25.7

Manual Integrations
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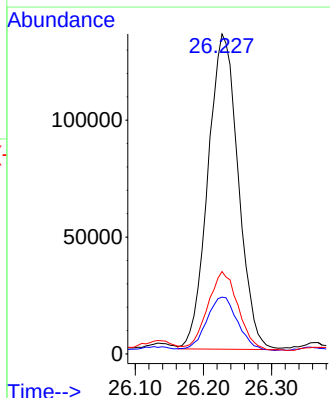
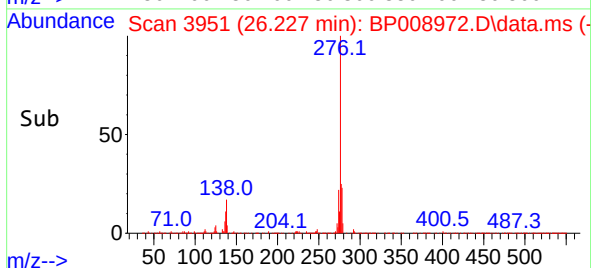
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

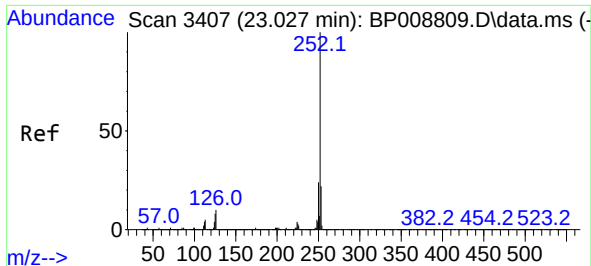


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.014 ng
RT: 26.227 min Scan# 3951
Delta R.T. -0.035 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10



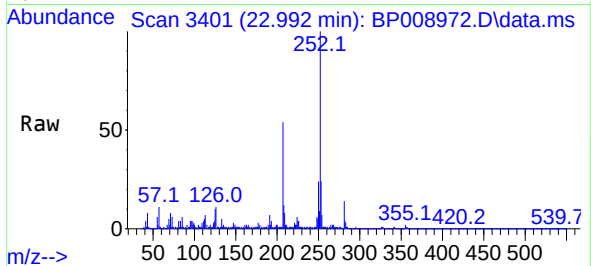
Tgt Ion:276 Resp: 416976
Ion Ratio Lower Upper
276 100
138 17.5 17.8 26.6#
277 25.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 9.355 ng
RT: 22.992 min Scan# 3407
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

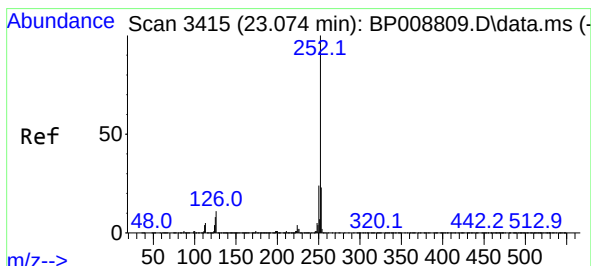
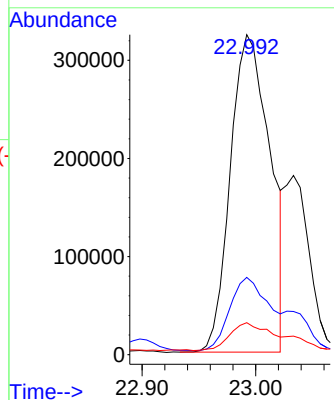
Instrument :
BNA_P
ClientSampleId :
CC-5



Tgt Ion:252 Resp: 787584
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 10.0 6.9 10.3

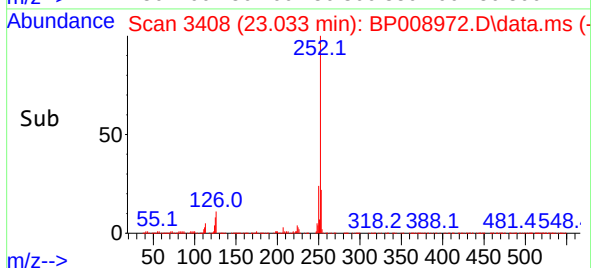
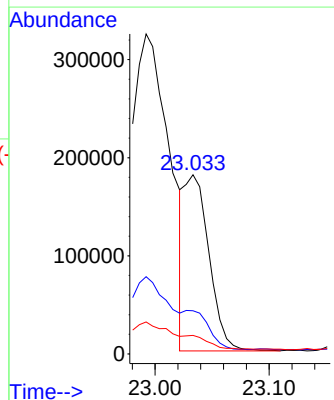
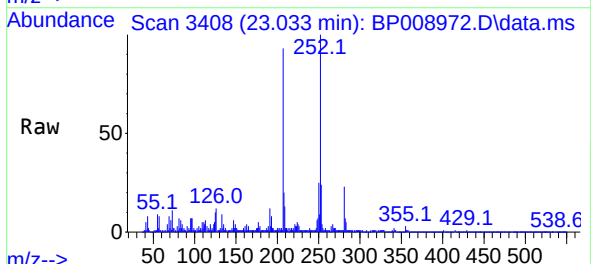
Manual Integrations
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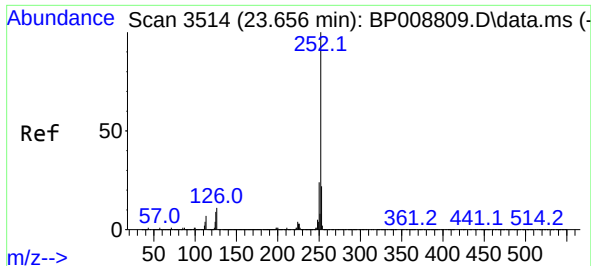
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#89
Benzo(k)fluoranthene
Concen: 3.304 ng m
RT: 23.033 min Scan# 3408
Delta R.T. -0.017 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

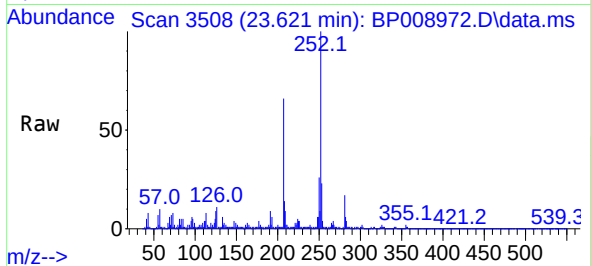
Tgt Ion:252 Resp: 269222
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 10.3 7.3 10.9





#90
Benzo(a)pyrene
Concen: 6.815 ng
RT: 23.621 min Scan# 3508
Delta R.T. -0.012 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

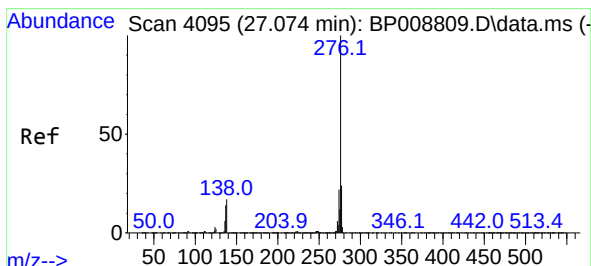
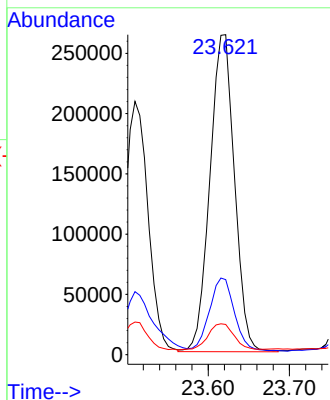
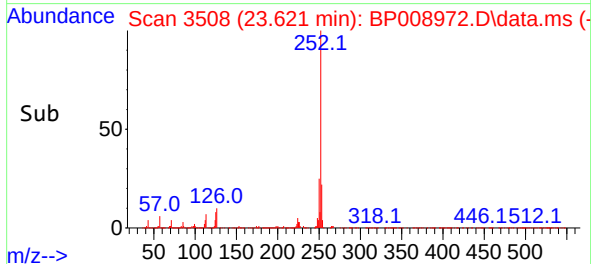
Instrument :
BNA_P
ClientSampleId :
CC-5



Tgt Ion: 252 Resp: 553798
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 9.4 7.8 11.6

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Reviewed By : Christian Giraldo 02/01/2022
Supervised By : Jagrut Upadhyay 02/01/2022



#92
Benzo(g,h,i)perylene
Concen: 4.867 ng
RT: 26.998 min Scan# 4082
Delta R.T. -0.035 min
Lab File: BP008972.D
Acq: 31 Jan 2022 19:10

Tgt Ion: 276 Resp: 419740
Ion Ratio Lower Upper
276 100
277 24.4 19.2 28.8
138 18.2 15.0 22.4

