

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030822\
 Data File : BP009313.D
 Acq On : 08 Mar 2022 19:59
 Operator : CG/JU
 Sample : N1825-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DUM-31

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/09/2022
 Supervised By :Jagrut Upadhyay 03/09/2022

Quant Time: Mar 09 03:02:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	456345	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	1678404	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	922951	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1898391	20.000	ng	0.00
76) Chrysene-d12	21.322	240	2246192	20.000	ng	0.00
86) Perylene-d12	23.727	264	2544842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	2534596	81.072	ng	0.00
7) Phenol-d6	6.987	99	3092655	77.844	ng	0.00
23) Nitrobenzene-d5	8.969	82	1919985	63.006	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1055972	94.751	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	3608291	53.764	ng	0.00
79) Terphenyl-d14	19.792	244	5410382	45.455	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.257	178	501100	4.593	ng	99
75) Fluoranthene	19.233	202	1561384	12.399	ng	99
78) Pyrene	19.586	202	1336323	8.811	ng	99
81) Benzo(a)anthracene	21.304	228	790649	5.193	ng	99
83) Chrysene	21.357	228	832401	5.631	ng	98
87) Indeno(1,2,3-cd)pyrene	26.221	276	544675	2.755	ng	95
88) Benzo(b)fluoranthene	22.998	252	1128386m	6.567	ng	
89) Benzo(k)fluoranthene	23.039	252	364595m	2.221	ng	
90) Benzo(a)pyrene	23.616	252	754239	4.628	ng	98
92) Benzo(g,h,i)perylene	26.986	276	526109	3.176	ng	98

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

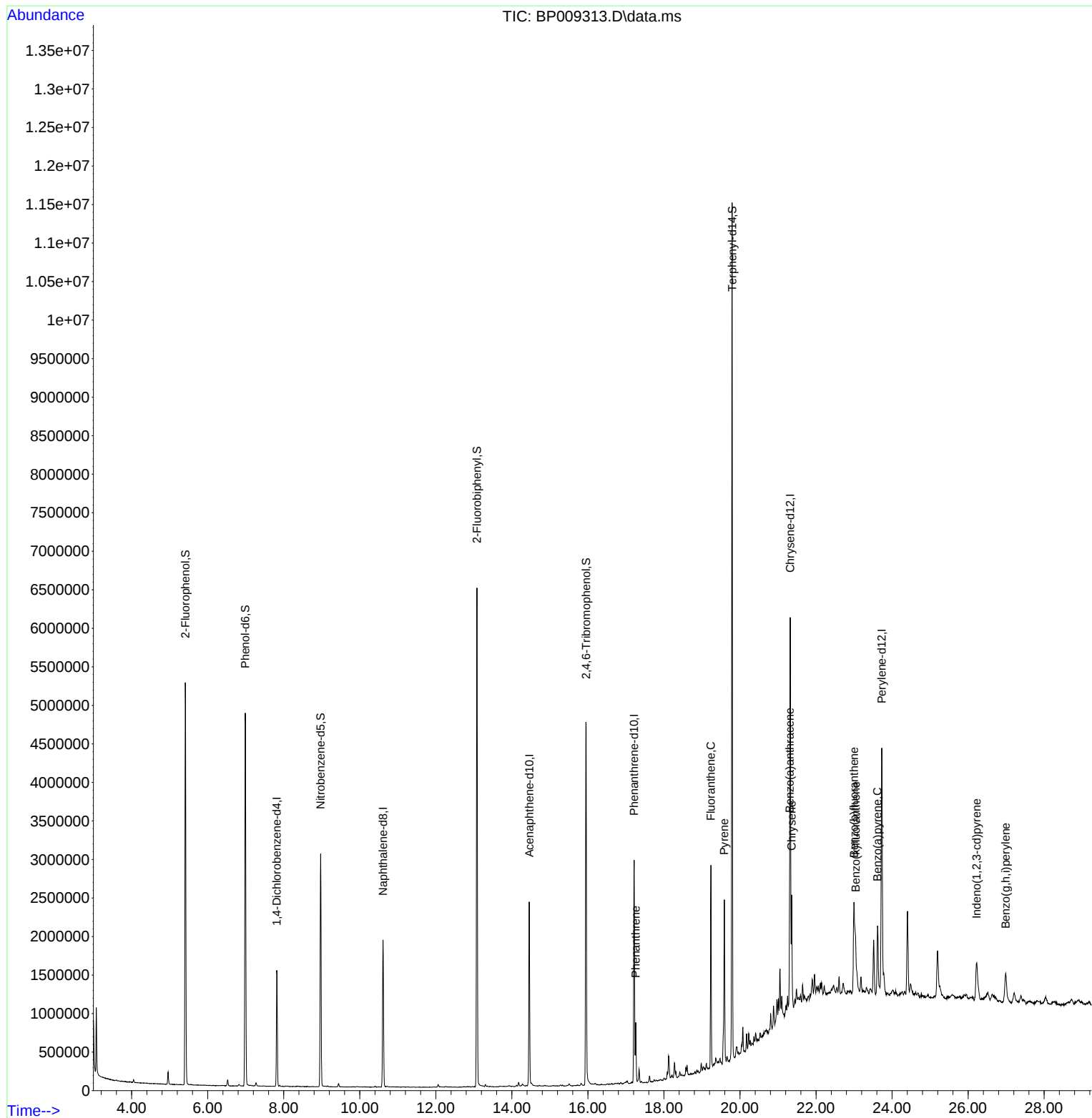
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Acq On : 08 Mar 2022 19:59
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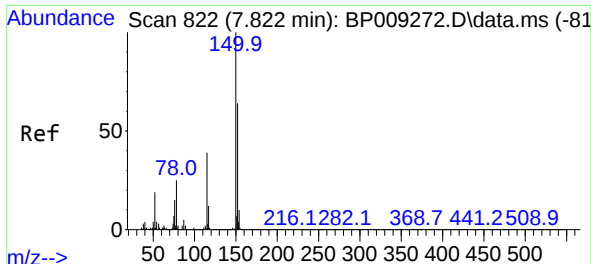
Instrument :
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ClientSampleId :
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Quant Time: Mar 09 03:02:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 01:55:59 2022
Response via : Initial Calibration

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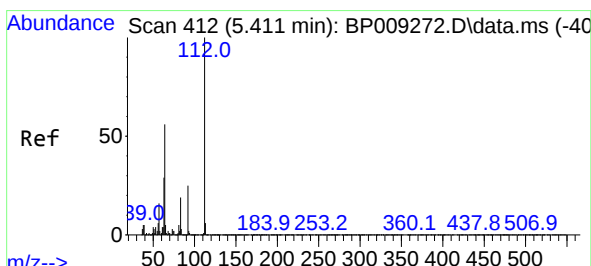
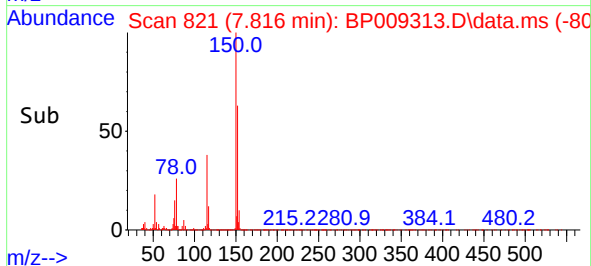
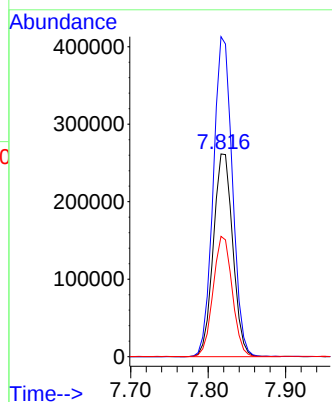
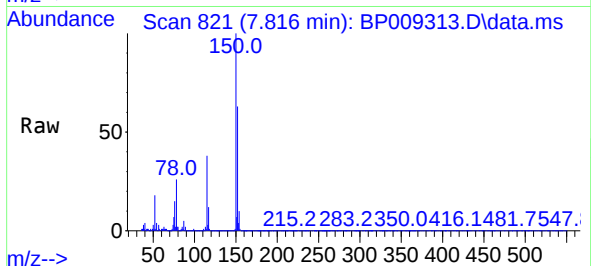
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Instrument :
BNA_P
ClientSampleId :
DUM-31

Tgt Ion:152 Resp: 45634
Ion Ratio Lower Upper
152 100
150 157.8 124.5 186.7
115 59.3 48.2 72.4

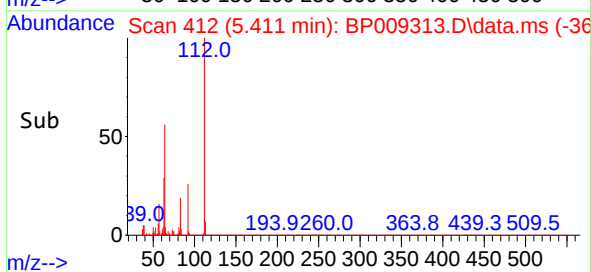
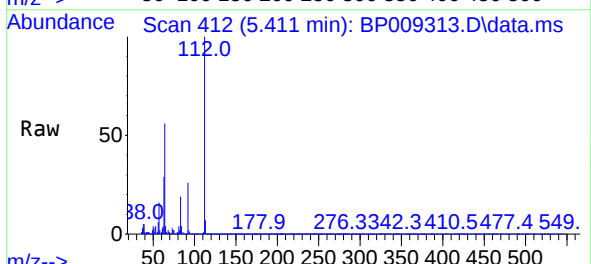
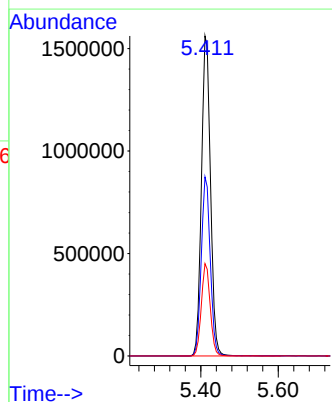
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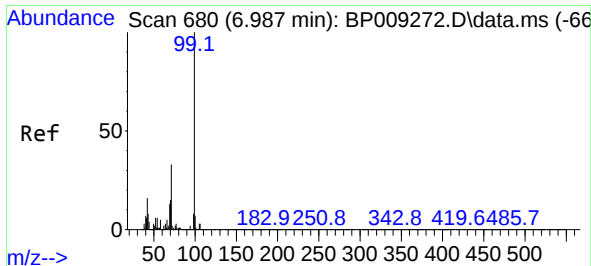
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#5
2-Fluorophenol
Concen: 81.072 ng
RT: 5.411 min Scan# 412
Delta R.T. -0.000 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Tgt Ion:112 Resp: 2534596
Ion Ratio Lower Upper
112 100
64 55.9 45.0 67.4
63 28.9 23.0 34.6





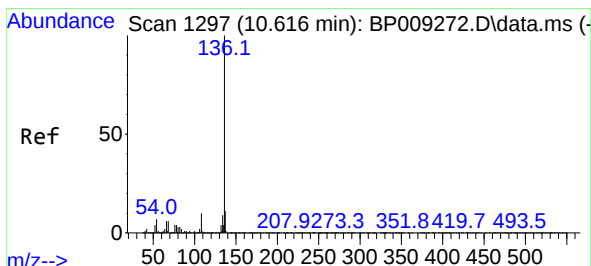
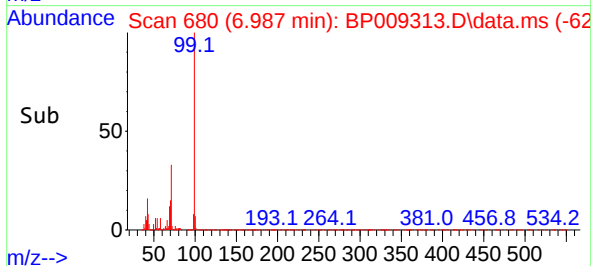
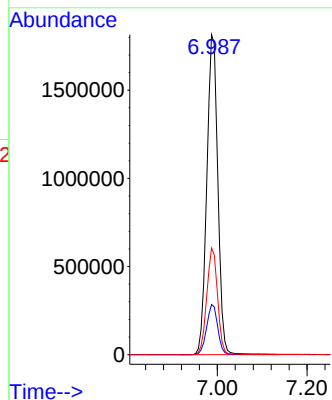
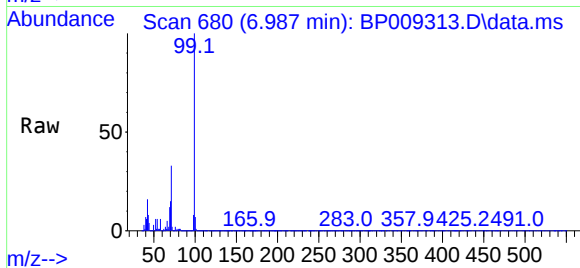
#7
Phenol-d6
Concen: 77.844 ng
RT: 6.987 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Instrument :
BNA_P
ClientSampleId :
DUM-31

Tgt Ion: 99 Resp: 309265
Ion Ratio Lower Upper
99 100
42 15.7 12.8 19.2
71 33.3 26.3 39.5

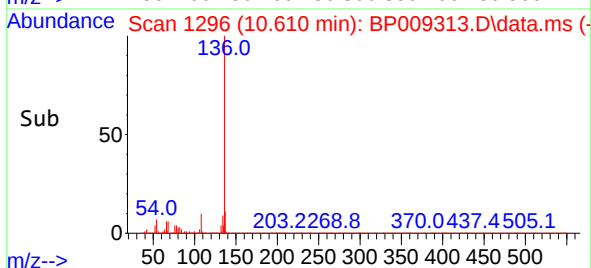
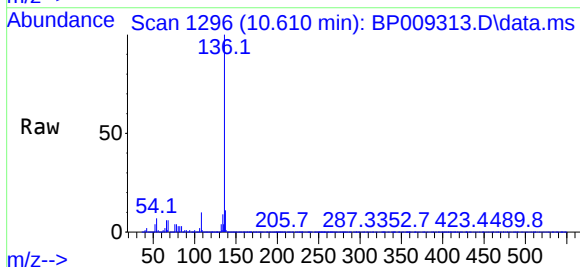
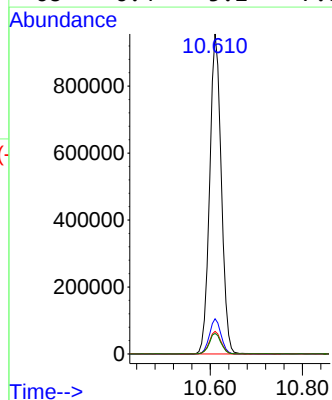
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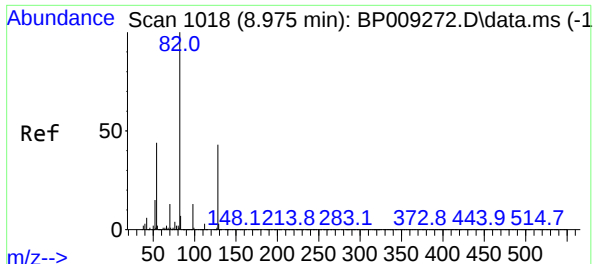
Reviewed By :Christian Giraldo 03/09/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Tgt Ion:136 Resp: 1678404
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.0 5.8 8.8
68 6.4 5.2 7.8





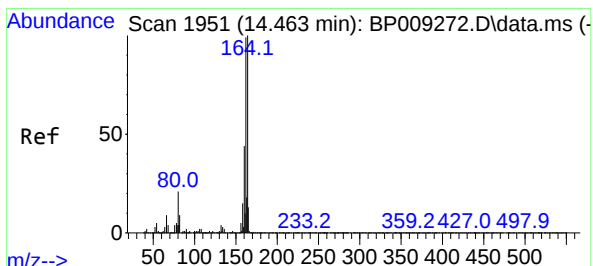
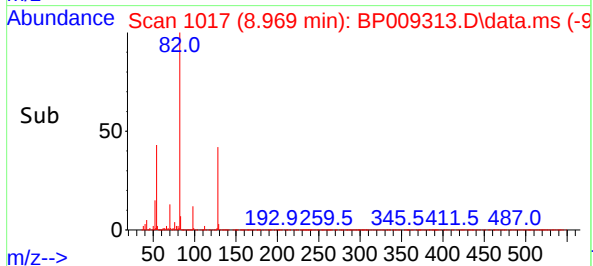
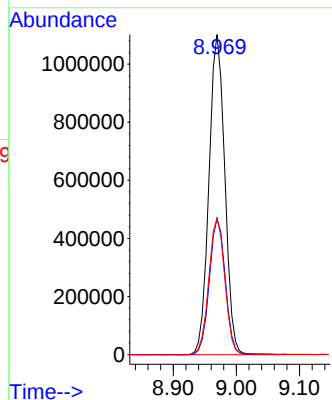
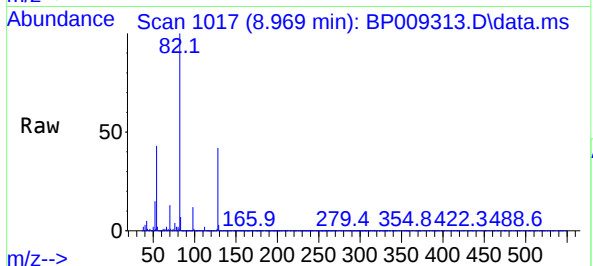
#23
Nitrobenzene-d5
Concen: 63.006 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Instrument :
BNA_P
ClientSampleId :
DUM-31

Tgt Ion: 82 Resp: 191998
Ion Ratio Lower Upper
82 100
128 42.5 34.2 51.4
54 42.7 34.7 52.1

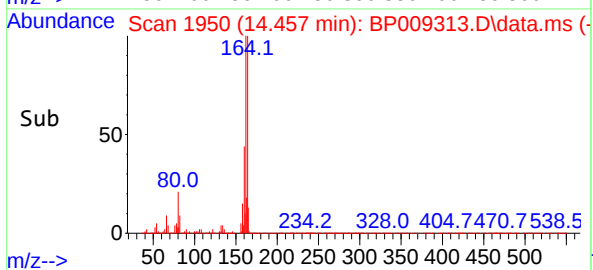
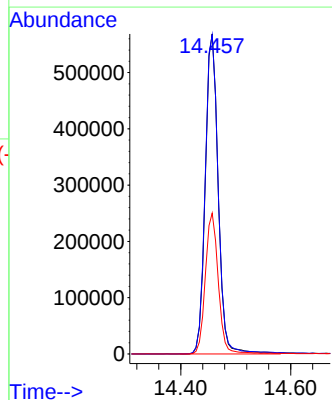
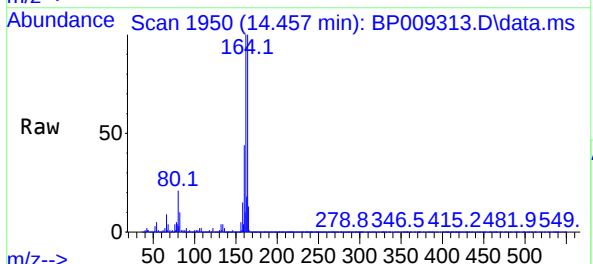
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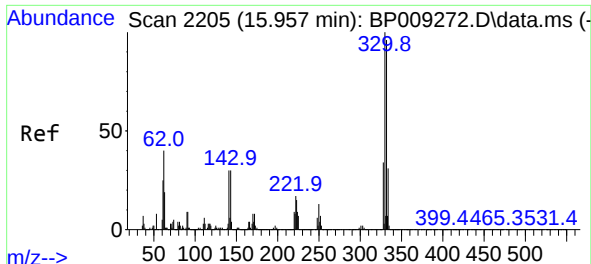
Reviewed By :Christian Giraldo 03/09/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

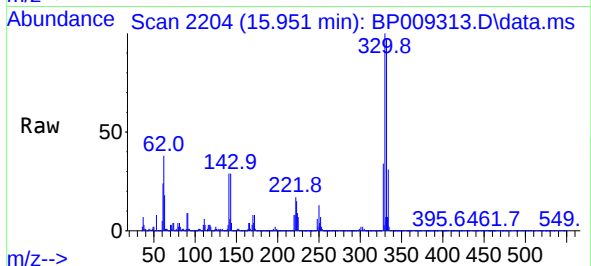
Tgt Ion:164 Resp: 922951
Ion Ratio Lower Upper
164 100
162 99.7 79.1 118.7
160 44.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 94.751 ng
RT: 15.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

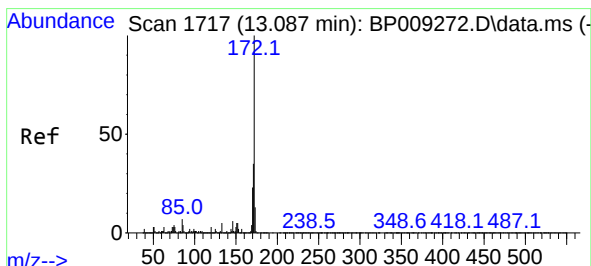
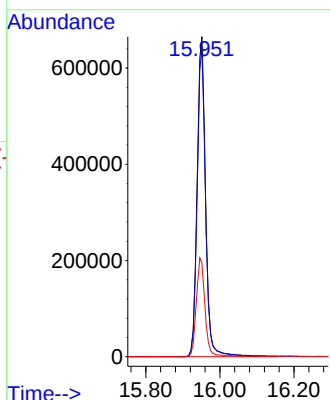
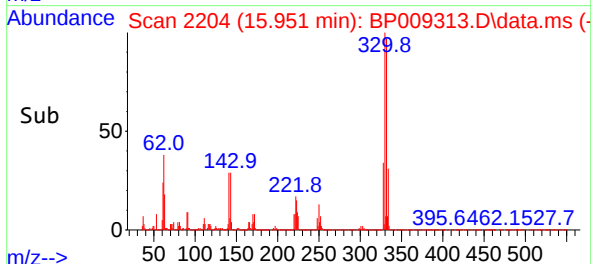
Instrument :
BNA_P
ClientSampleId :
DUM-31



Tgt Ion:330 Resp: 1055972
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 31.6 27.6 41.4

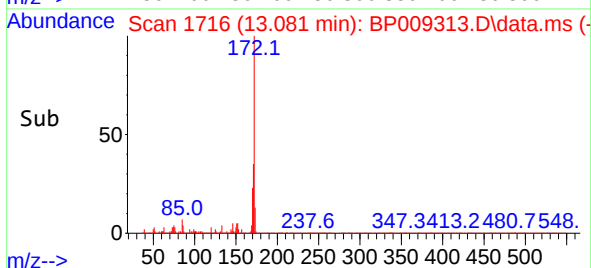
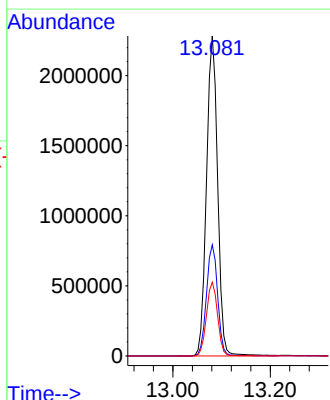
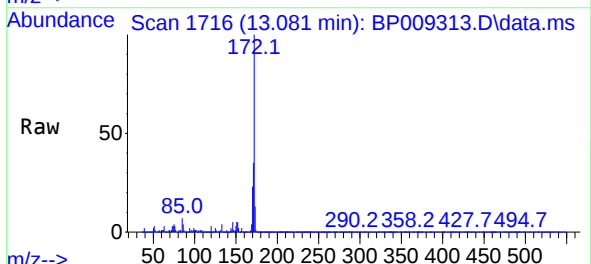
Manual Integrations
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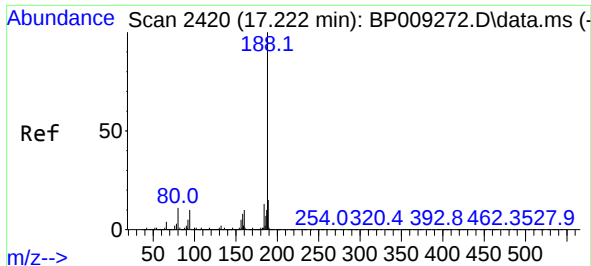
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#45
2-Fluorobiphenyl
Concen: 53.764 ng
RT: 13.081 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Tgt Ion:172 Resp: 3608291
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.1 18.6 27.8





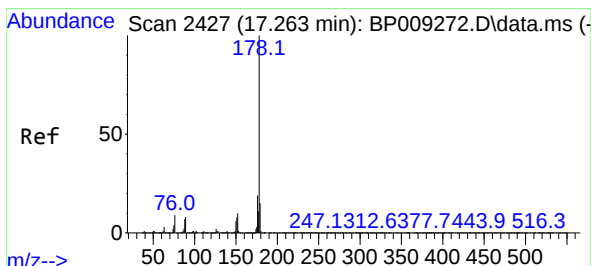
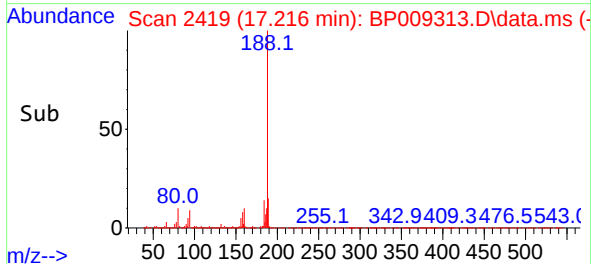
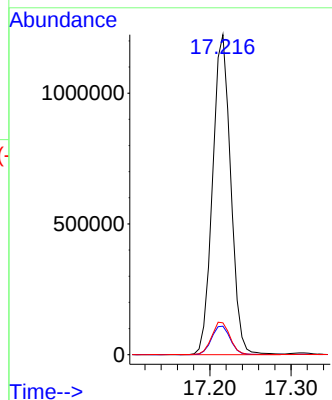
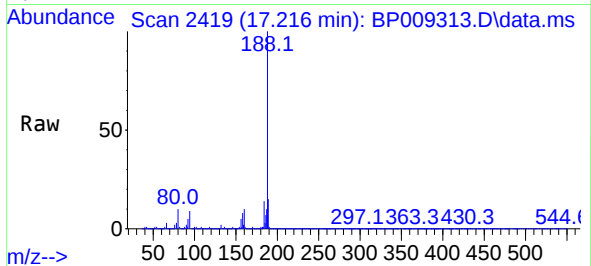
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Instrument :
BNA_P
ClientSampleId :
DUM-31

Tgt Ion:188 Resp: 189839
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 10.0 8.8 13.2

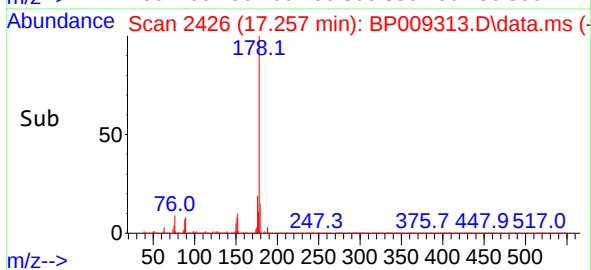
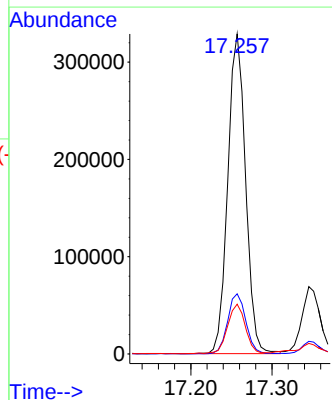
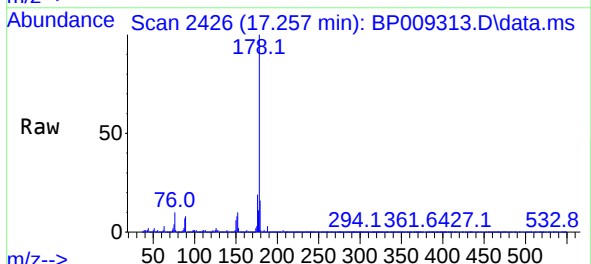
Manual Integrations
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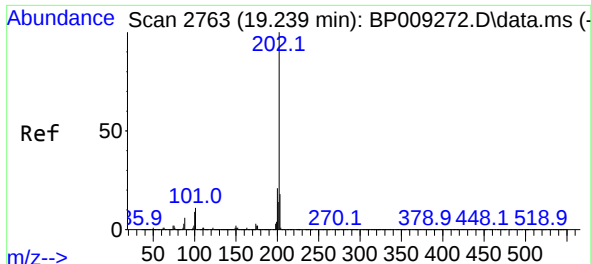
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#71
Phenanthrene
Concen: 4.593 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

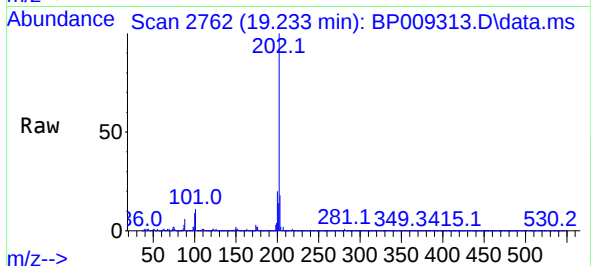
Tgt Ion:178 Resp: 501100
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.5 12.3 18.5





#75
Fluoranthene
Concen: 12.399 ng
RT: 19.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

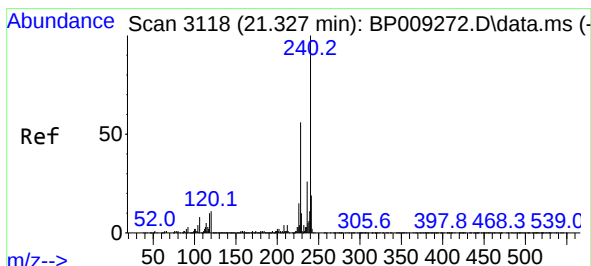
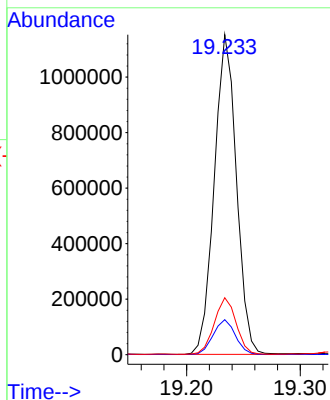
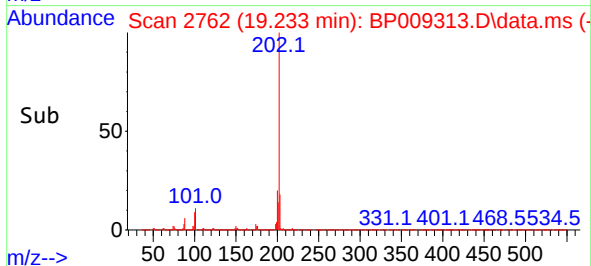
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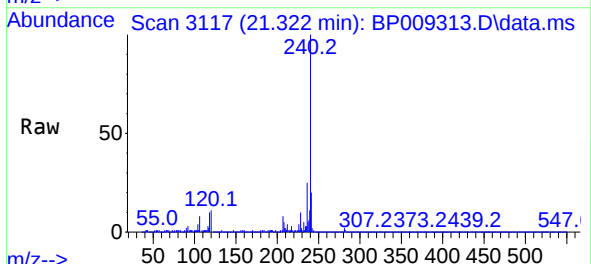
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Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.5
203 17.8 0.0 37.8

Manual Integrations
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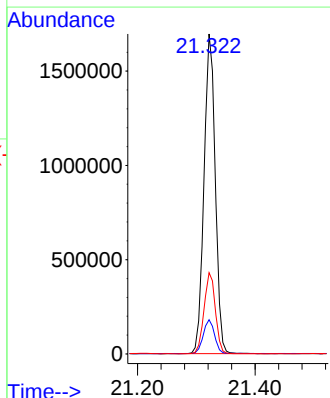
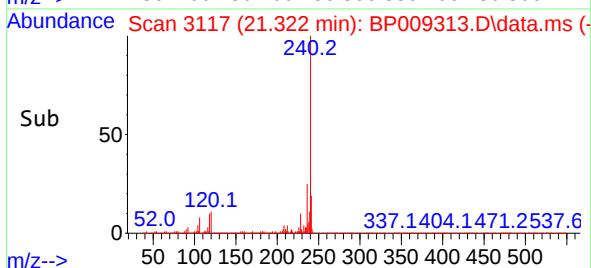
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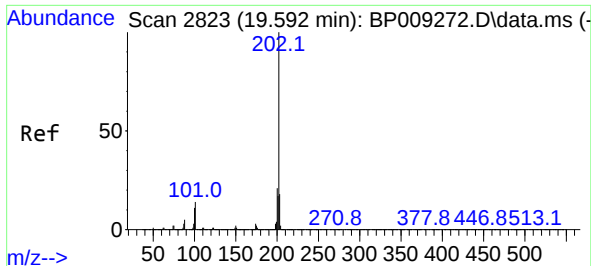


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.322 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59



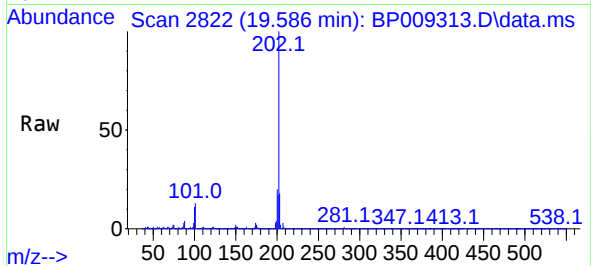
Tgt Ion:240 Resp: 2246192
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 25.4 20.6 30.8





#78
Pyrene
Concen: 8.811 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

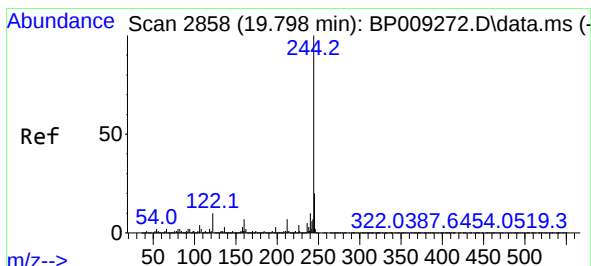
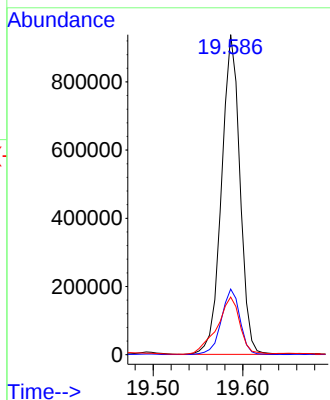
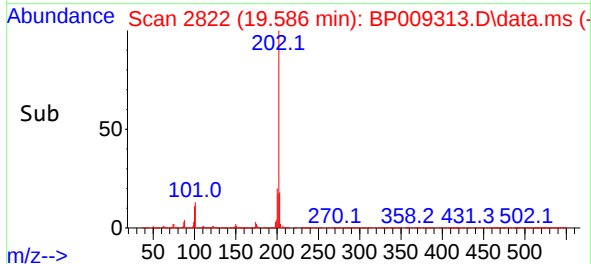
Instrument :
BNA_P
ClientSampleId :
DUM-31



Tgt Ion:202 Resp: 133632
Ion Ratio Lower Upper
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203 18.0 14.2 21.4

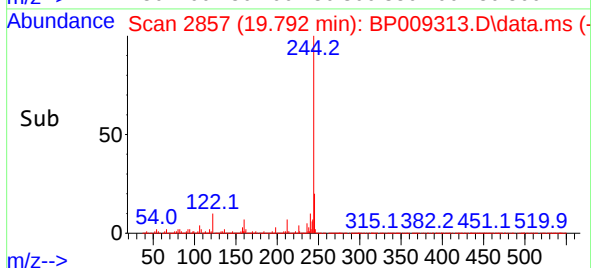
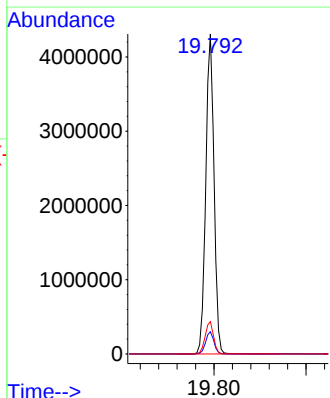
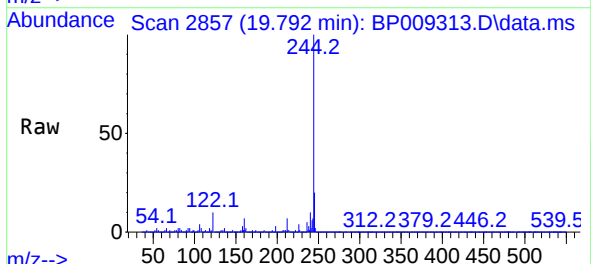
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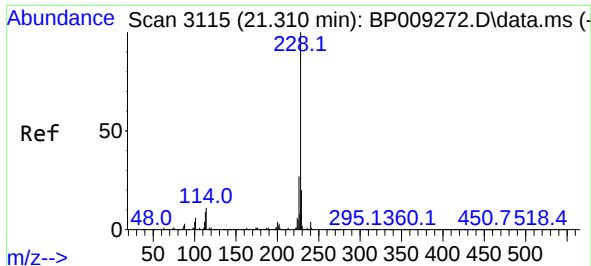
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#79
Terphenyl-d14
Concen: 45.455 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

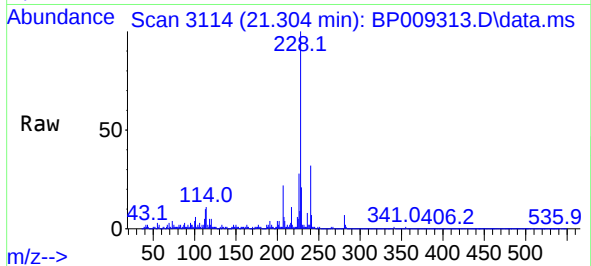
Tgt Ion:244 Resp: 5410382
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.1 8.3 12.5





#81
Benzo(a)anthracene
Concen: 5.193 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

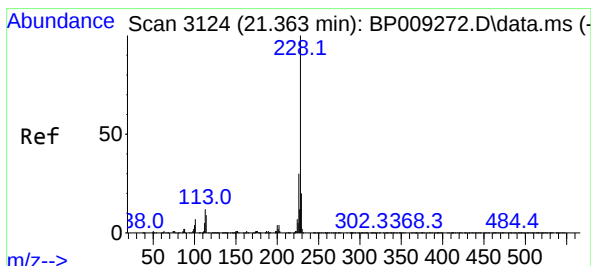
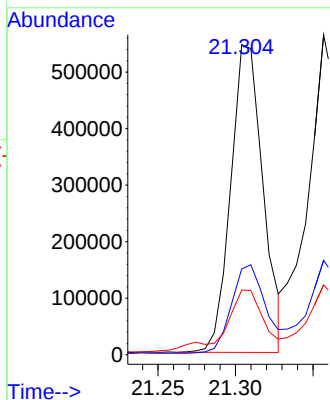
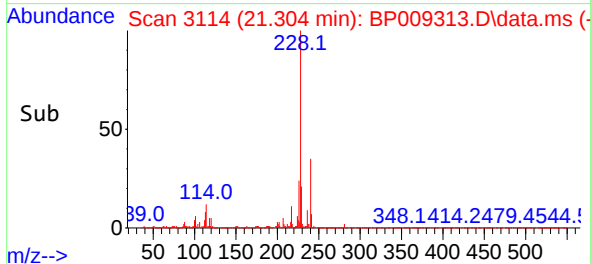
Instrument :
BNA_P
ClientSampleId :
DUM-31



Tgt Ion:228 Resp: 790649
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 20.8 16.1 24.1

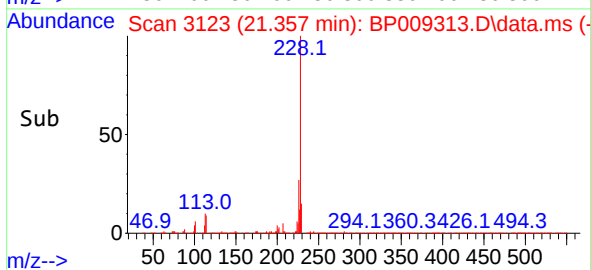
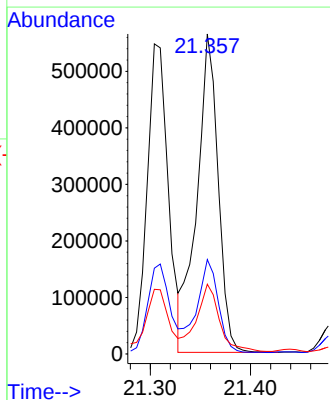
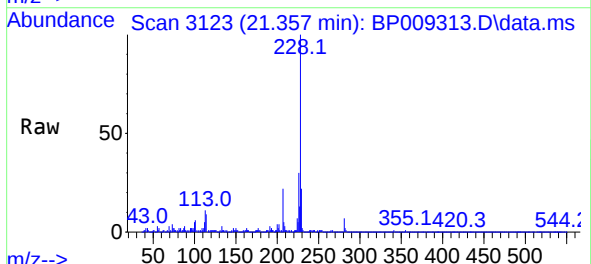
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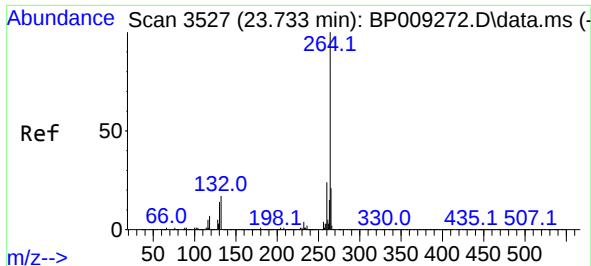
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#83
Chrysene
Concen: 5.631 ng
RT: 21.357 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

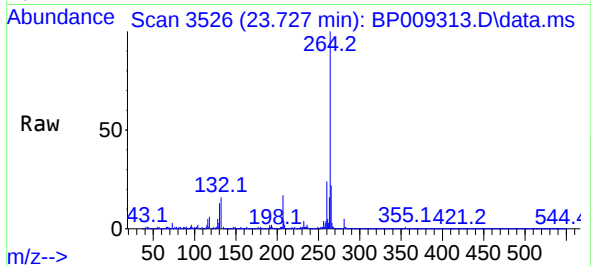
Tgt Ion:228 Resp: 832401
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 21.8 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

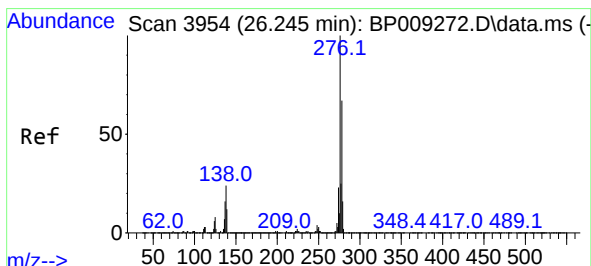
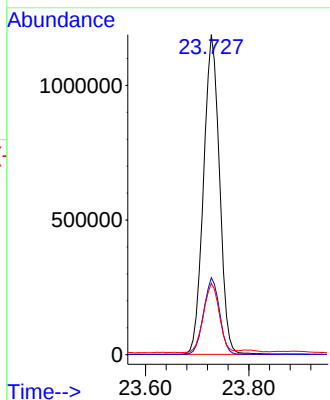
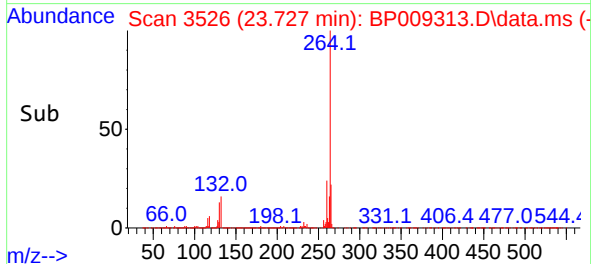
Instrument :
BNA_P
ClientSampleId :
DUM-31



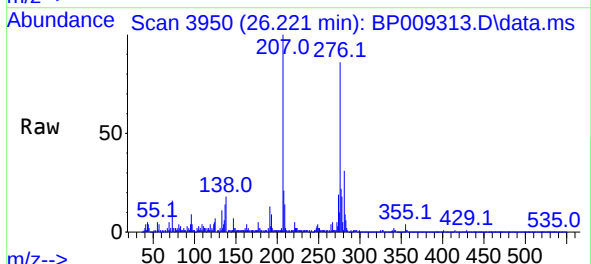
Tgt Ion:264 Resp: 254484
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 22.3 17.2 25.8

Manual Integrations
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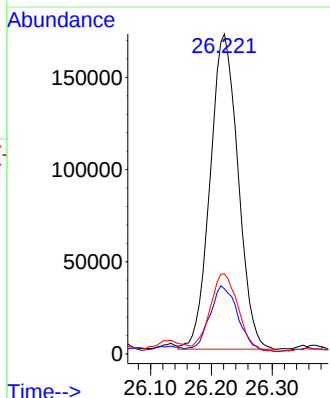
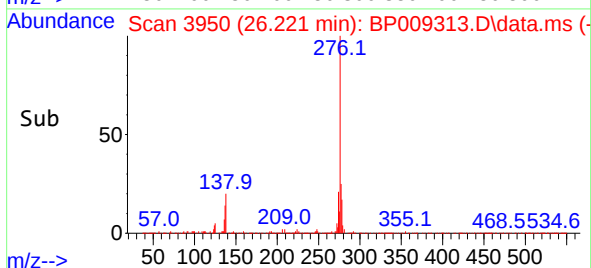
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

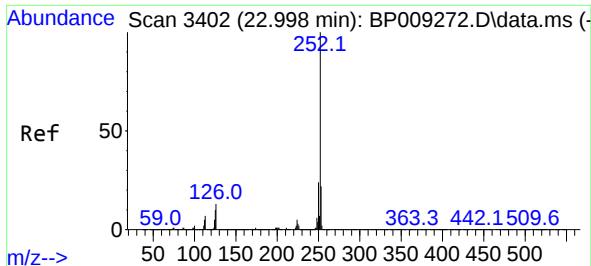


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.755 ng
RT: 26.221 min Scan# 3950
Delta R.T. -0.023 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59



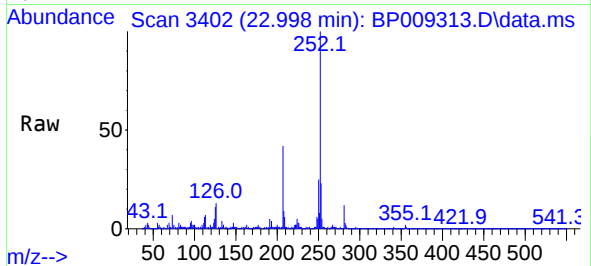
Tgt Ion:276 Resp: 544675
Ion Ratio Lower Upper
276 100
138 21.2 20.5 30.7
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 6.567 ng m
RT: 22.998 min Scan# 3402
Delta R.T. 0.000 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

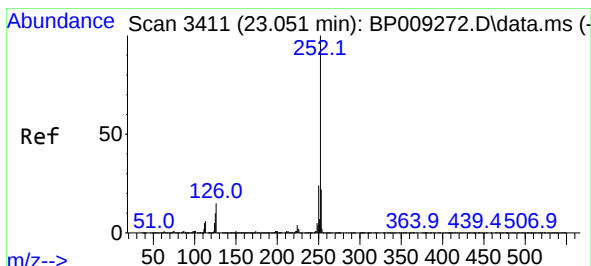
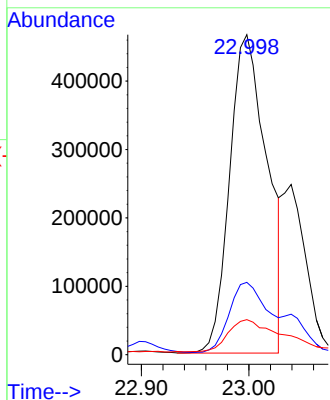
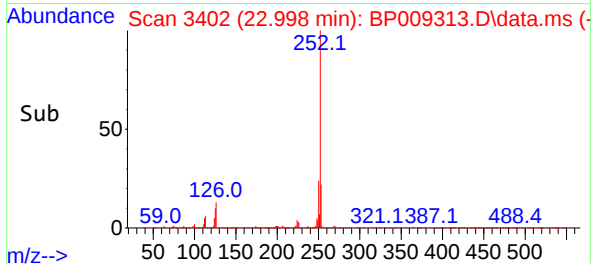
Instrument :
BNA_P
ClientSampleId :
DUM-31



Tgt Ion:252 Resp: 1128380
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.9 8.1 12.1

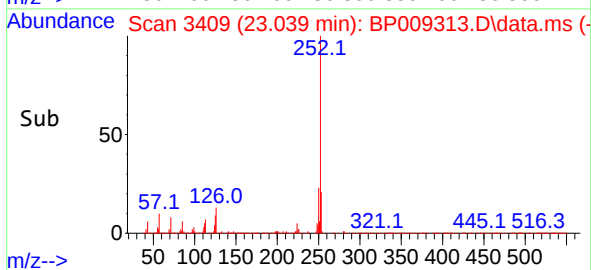
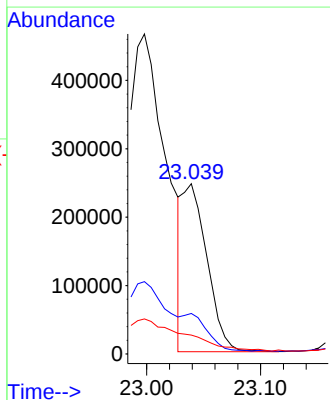
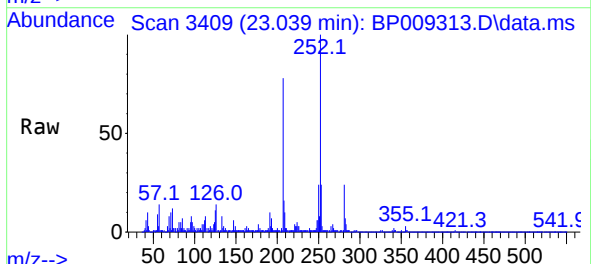
Manual Integrations
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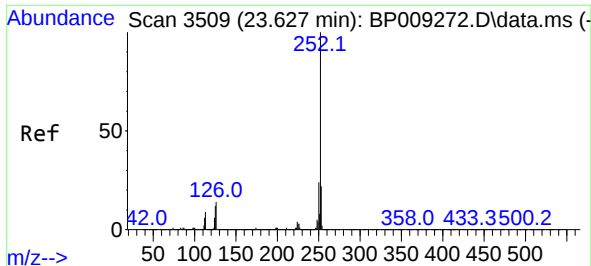
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#89
Benzo(k)fluoranthene
Concen: 2.221 ng m
RT: 23.039 min Scan# 3409
Delta R.T. -0.012 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Tgt Ion:252 Resp: 364595
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 11.1 8.3 12.5





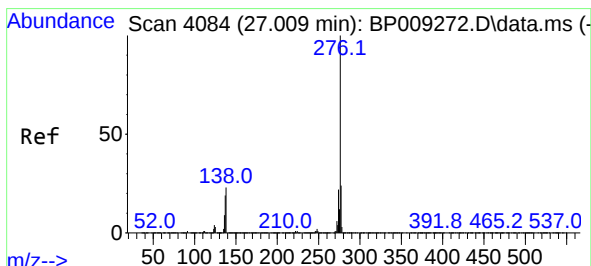
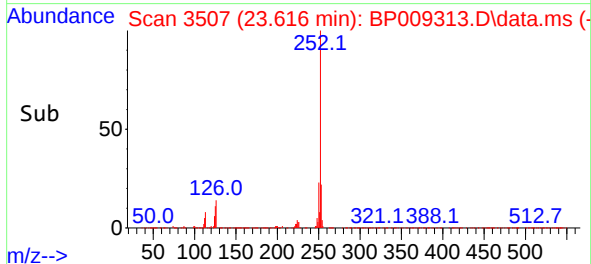
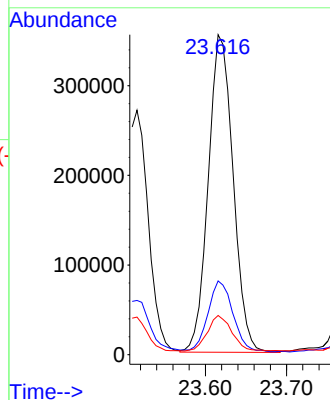
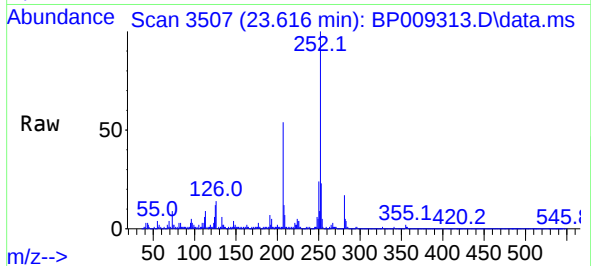
#90
Benzo(a)pyrene
Concen: 4.628 ng
RT: 23.616 min Scan# 310
Delta R.T. -0.012 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Instrument :
BNA_P
ClientSampleId :
DUM-31

Tgt Ion: 252 Resp: 754239
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 12.2 9.3 13.9

Manual Integrations
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Reviewed By : Christian Giraldo 03/09/2022
Supervised By : Jagrut Upadhyay 03/09/2022



#92
Benzo(g,h,i)perylene
Concen: 3.176 ng
RT: 26.986 min Scan# 4080
Delta R.T. -0.023 min
Lab File: BP009313.D
Acq: 08 Mar 2022 19:59

Tgt Ion: 276 Resp: 526109
Ion Ratio Lower Upper
276 100
277 25.5 19.2 28.8
138 21.8 18.0 27.0

