

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032422\
 Data File : BP009544.D
 Acq On : 24 Mar 2022 23:30
 Operator : CG/JU
 Sample : N1977-01DL 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0DL

Quant Time: Mar 25 07:09:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/25/2022
 Supervised By : Jagrut Upadhyay 03/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	292632	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	1187909	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	751757	20.000	ng	0.00
64) Phenanthrene-d10	17.180	188	1600467	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1683497	20.000	ng	0.00
86) Perylene-d12	23.686	264	1856154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	33915	2.023	ng	0.01
7) Phenol-d6	6.987	99	35550	1.568	ng	0.02
23) Nitrobenzene-d5	8.946	82	24696	1.105	ng	0.01
42) 2,4,6-Tribromophenol	15.922	330	17545	1.414	ng	0.00
45) 2-Fluorobiphenyl	13.040	172	69272	1.277	ng	0.00
79) Terphenyl-d14	19.757	244	123156	1.313	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.616	128	1362348	22.265	ng	99
37) 2-Methylnaphthalene	12.234	142	136492	3.179	ng	97
38) 1-Methylnaphthalene	12.451	142	739304	17.677	ng	100
52) Acenaphthene	14.481	154	699902	17.190	ng	99
58) Fluorene	15.469	166	374530	6.962	ng	99
71) Phenanthrene	17.222	178	2406712	28.092	ng	100
72) Anthracene	17.316	178	721027	8.524	ng	100
75) Fluoranthene	19.204	202	2265406	21.841	ng	98
78) Pyrene	19.557	202	2467574	22.243	ng	100
81) Benzo(a)anthracene	21.280	228	1337745	12.095	ng	97
83) Chrysene	21.327	228	1075503	10.269	ng	98
87) Indeno(1,2,3-cd)pyrene	26.168	276	817779	5.807	ng	# 92
88) Benzo(b)fluoranthene	22.963	252	1507218m	13.602	ng	
89) Benzo(k)fluoranthene	23.004	252	456563m	4.208	ng	
90) Benzo(a)pyrene	23.574	252	1339700	14.131	ng	97
92) Benzo(g,h,i)perylene	26.933	276	833051	7.215	ng	94

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

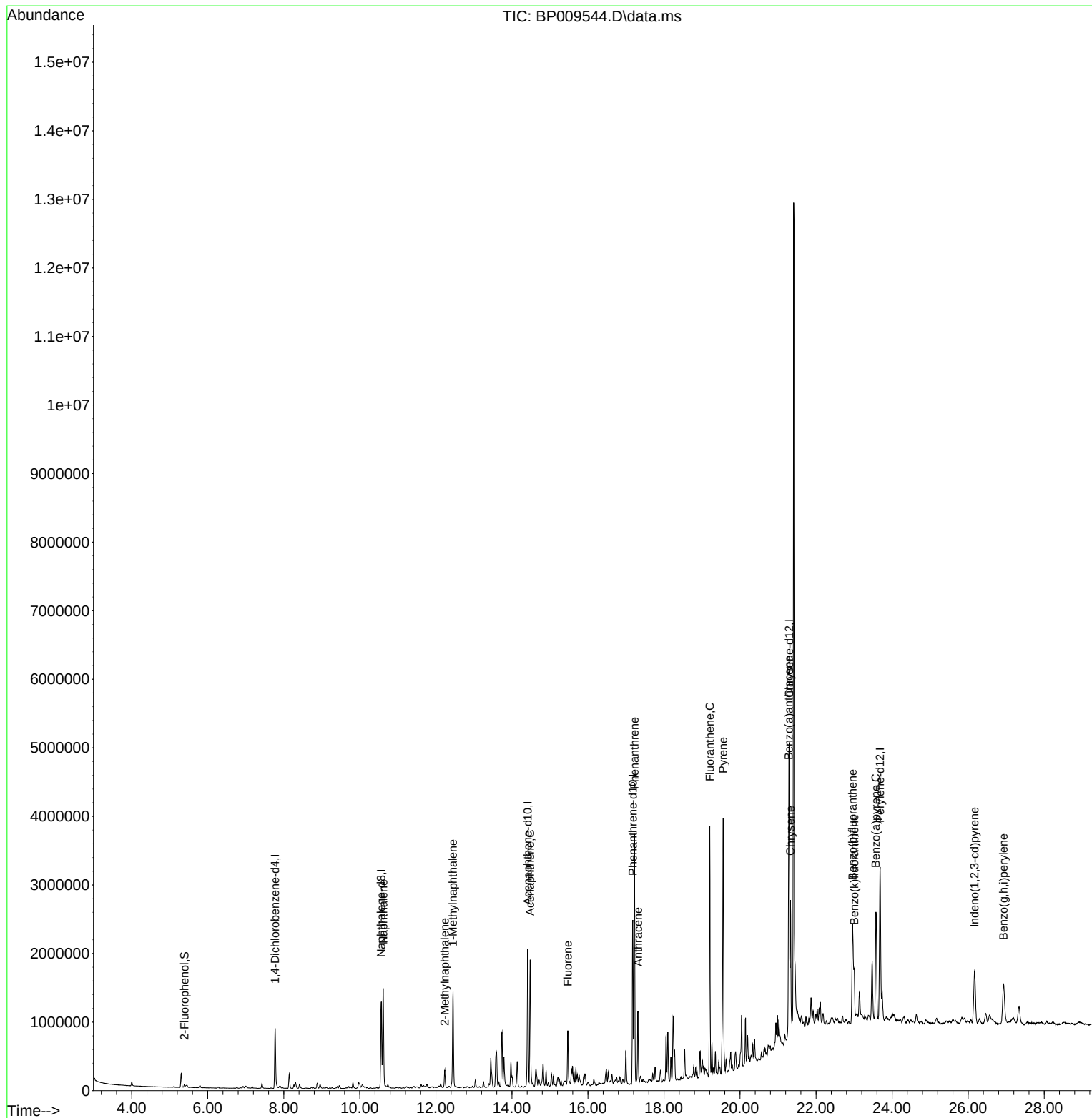
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Data File : BP009544.D
Acq On : 24 Mar 2022 23:30
Operator : CG/JU
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ALS Vial : 15 Sample Multiplier: 1

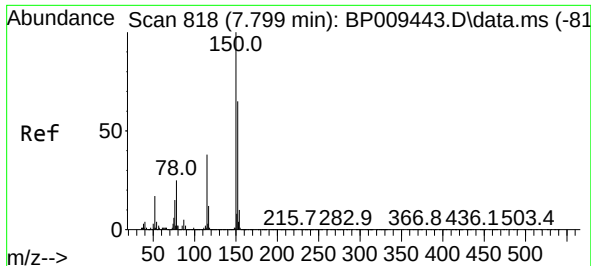
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BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL

Quant Time: Mar 25 07:09:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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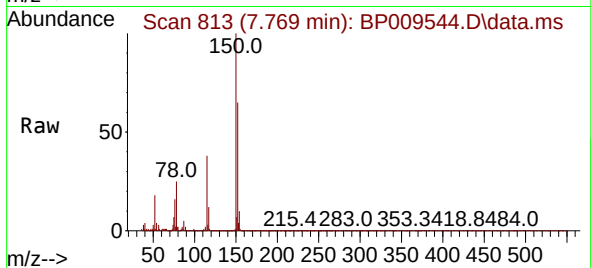
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

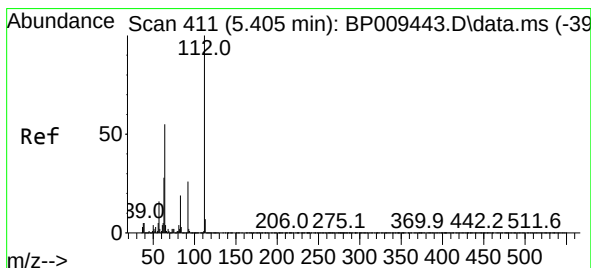
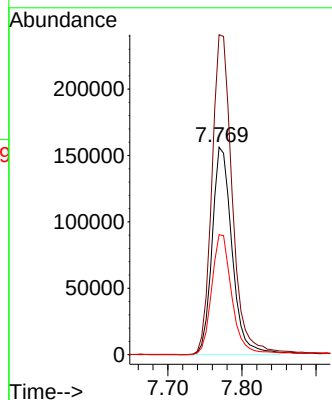
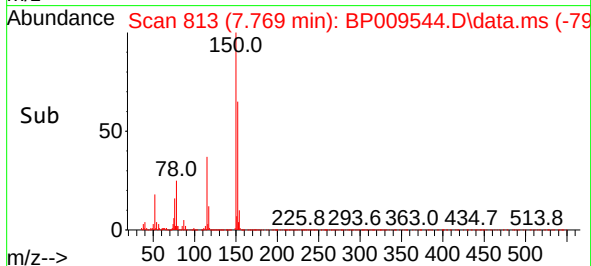
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:152 Resp: 29263
Ion Ratio Lower Upper
152 100
150 154.2 124.5 186.7
115 57.8 48.2 72.4

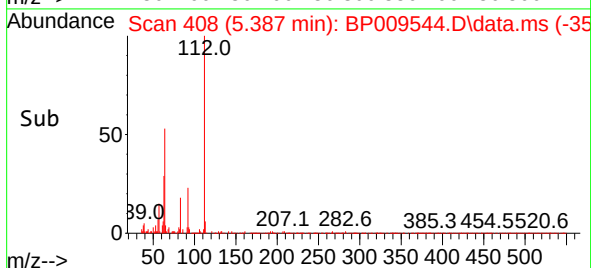
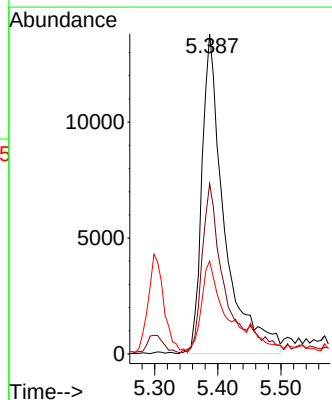
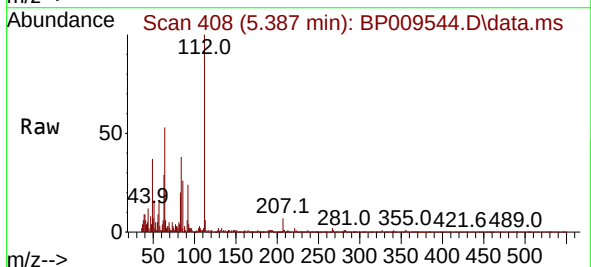
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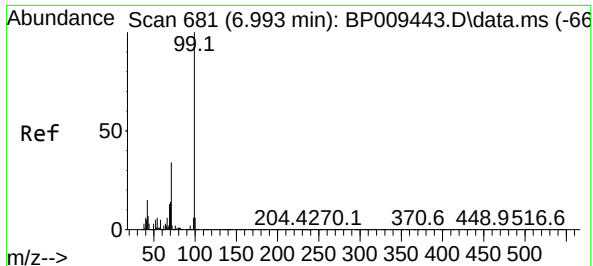
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#5
2-Fluorophenol
Concen: 2.023 ng
RT: 5.387 min Scan# 408
Delta R.T. 0.012 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

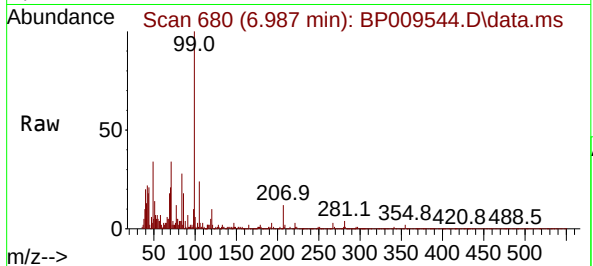
Tgt Ion:112 Resp: 33915
Ion Ratio Lower Upper
112 100
64 53.2 45.0 67.4
63 29.0 23.0 34.6





#7
Phenol-d6
Concen: 1.568 ng
RT: 6.987 min Scan# 61
Delta R.T. 0.023 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

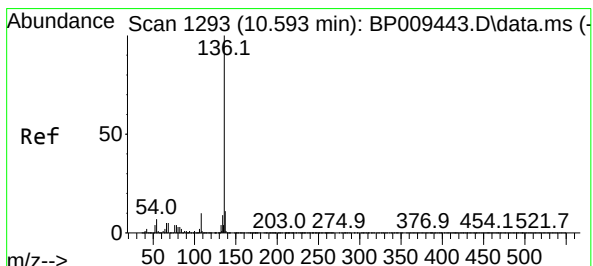
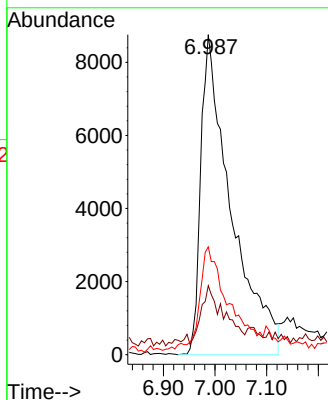
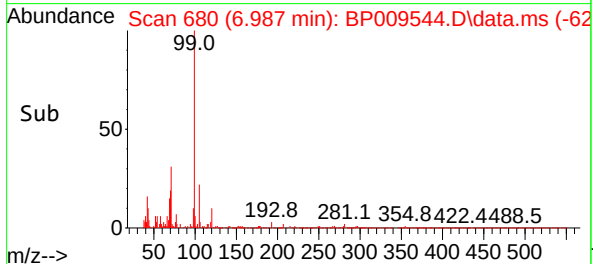
Instrument :
BNA_P
ClientSampleId :
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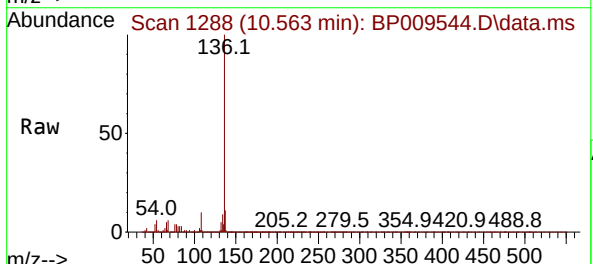
Tgt Ion: 99 Resp: 35550
Ion Ratio Lower Upper
99 100
42 21.6 12.8 19.2
71 33.7 26.3 39.5

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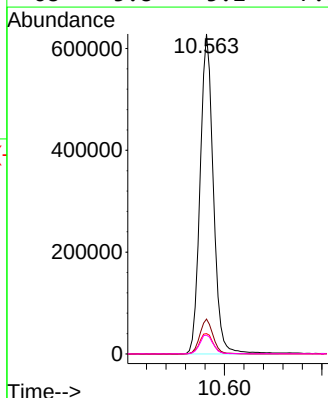
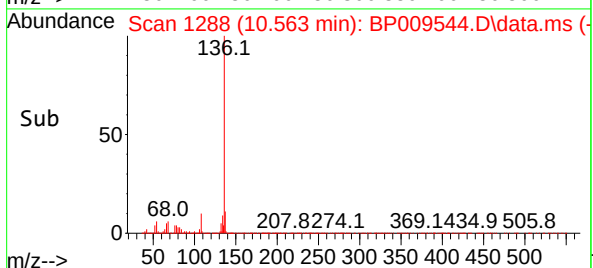
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

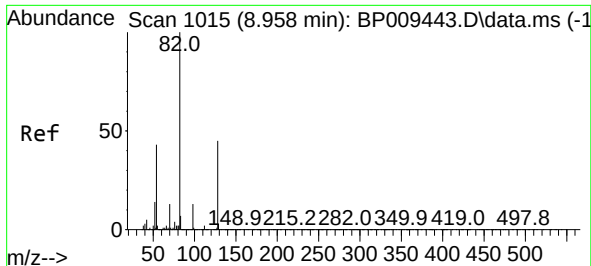


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30



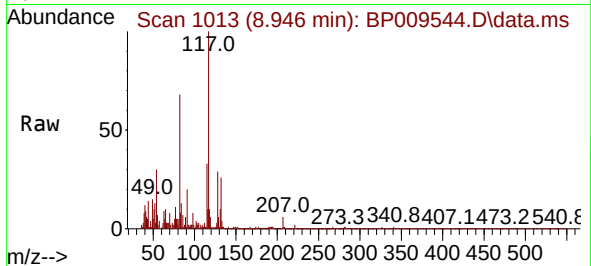
Tgt Ion:136 Resp: 1187909
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.4 5.8 8.8
68 5.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 1.105 ng
RT: 8.946 min Scan# 1015
Delta R.T. 0.012 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

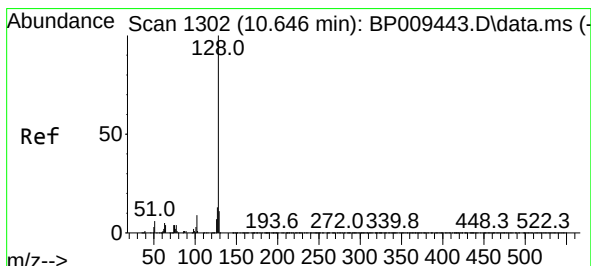
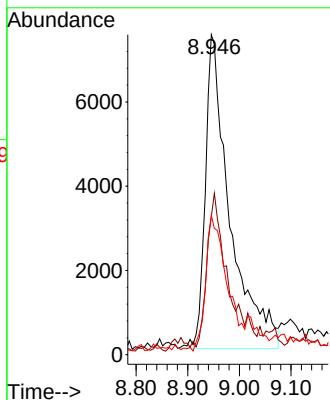
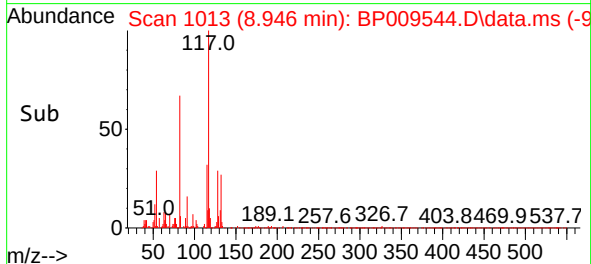
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion: 82 Resp: 24690
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.4
54 43.6 34.7 52.1

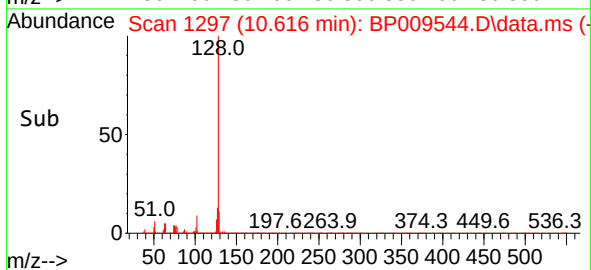
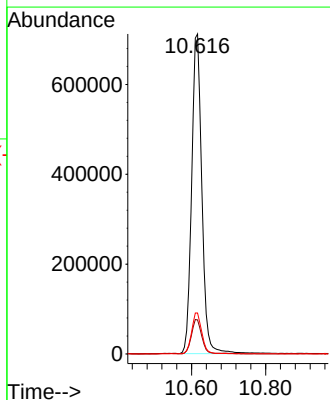
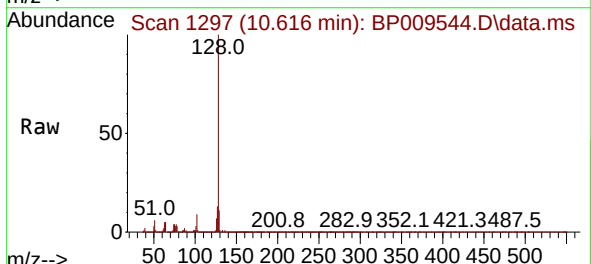
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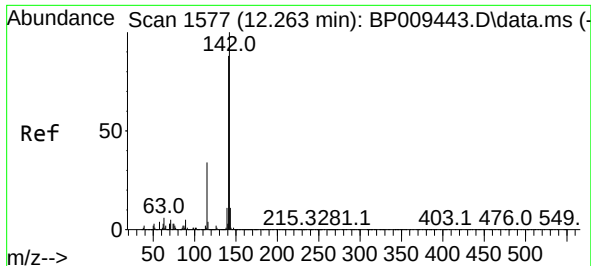
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#31
Naphthalene
Concen: 22.265 ng
RT: 10.616 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion:128 Resp: 1362348
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.8 10.5 15.7





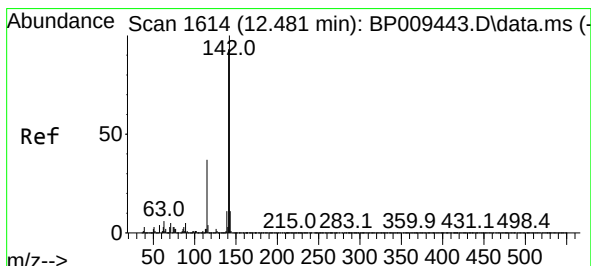
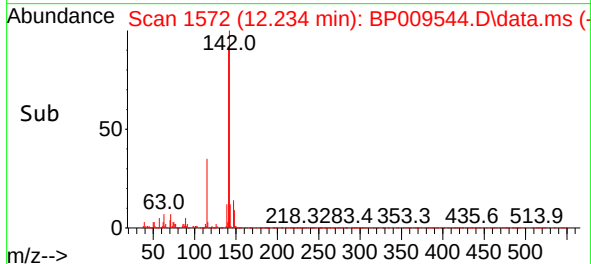
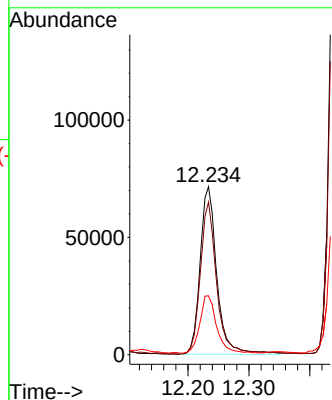
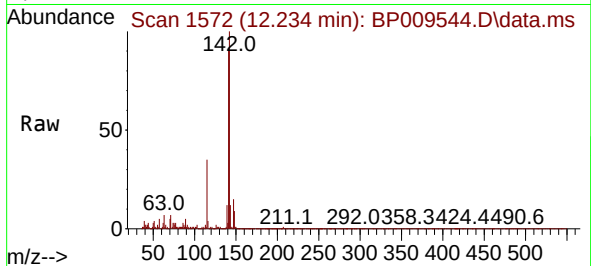
#37
2-Methylnaphthalene
Concen: 3.179 ng
RT: 12.234 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL

Tgt Ion:142 Resp: 136492
Ion Ratio Lower Upper
142 100
141 90.9 70.2 105.4
115 35.1 27.4 41.2

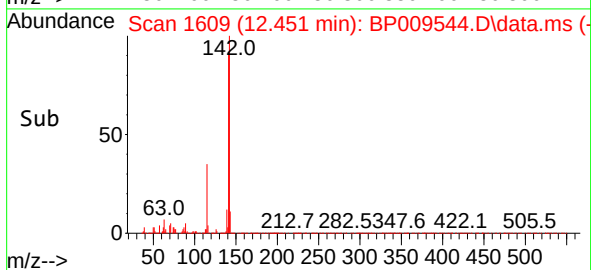
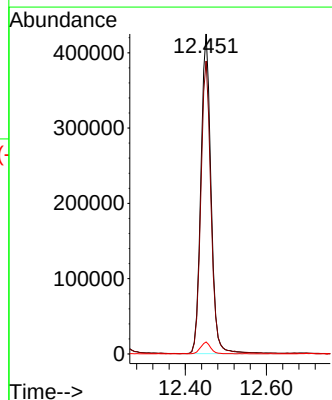
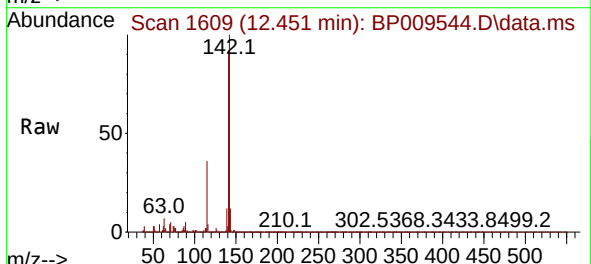
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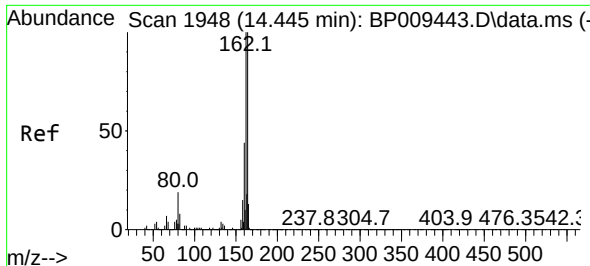
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#38
1-Methylnaphthalene
Concen: 17.677 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

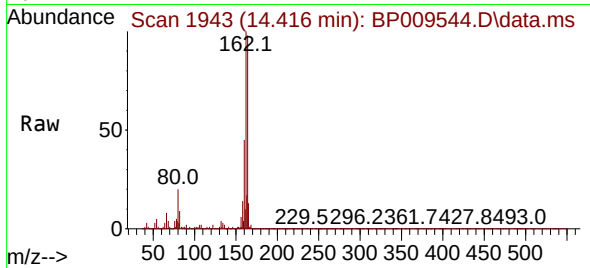
Tgt Ion:142 Resp: 739304
Ion Ratio Lower Upper
142 100
141 91.6 73.5 110.3
116 3.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

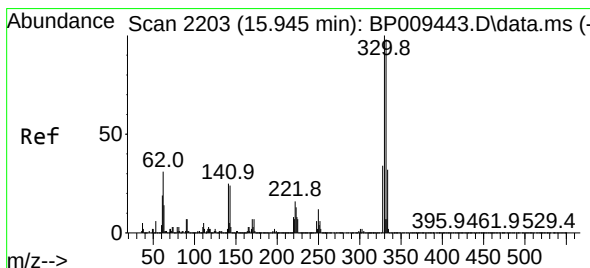
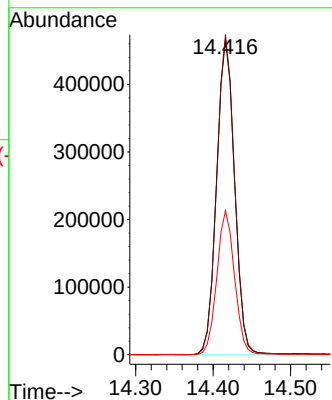
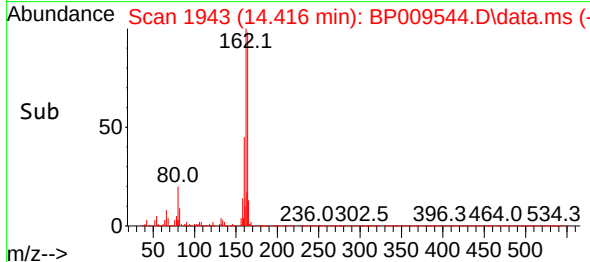
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:164 Resp: 75175
Ion Ratio Lower Upper
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162 101.6 79.1 118.7
160 45.7 34.9 52.3

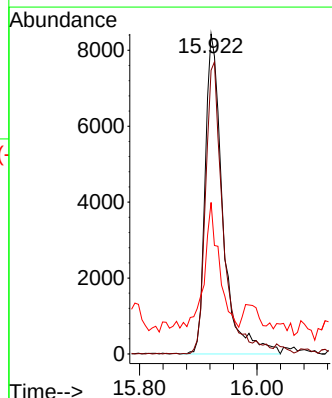
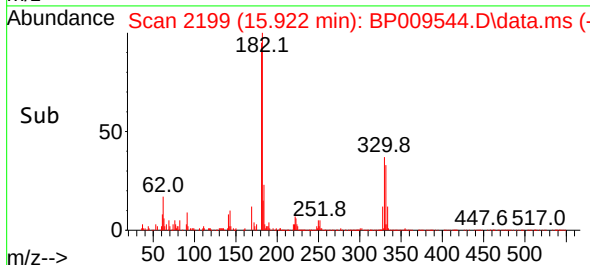
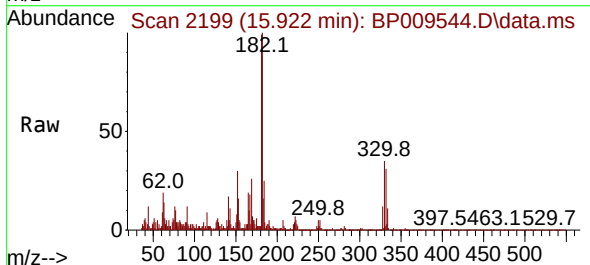
Manual Integrations
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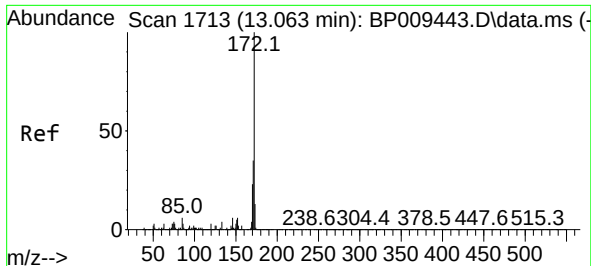
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#42
2,4,6-Tribromophenol
Concen: 1.414 ng
RT: 15.922 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

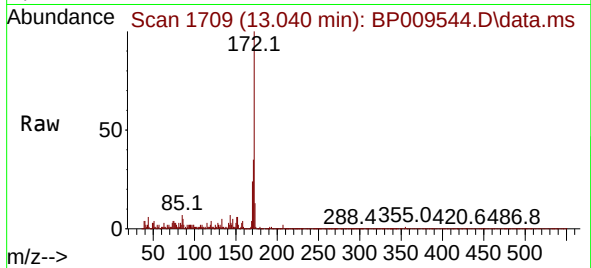
Tgt Ion:330 Resp: 17545
Ion Ratio Lower Upper
330 100
332 91.6 77.0 115.6
141 31.9 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 1.277 ng
RT: 13.040 min Scan# 1709
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

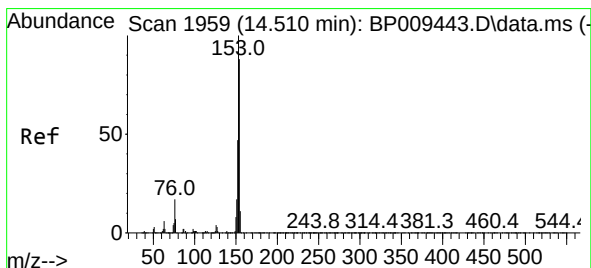
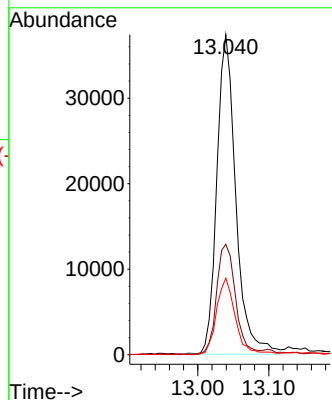
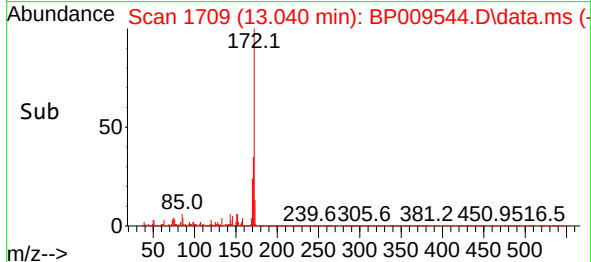
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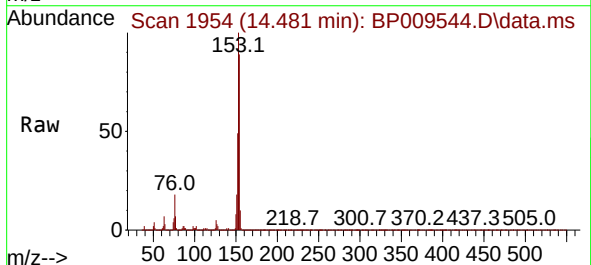
Tgt Ion:172 Resp: 69272
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 23.9 18.6 27.8

Manual Integrations
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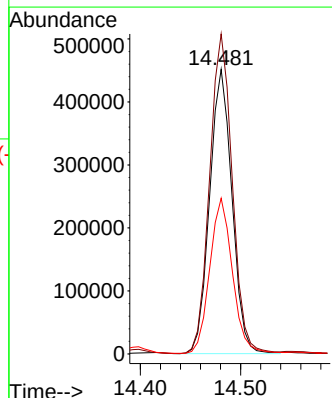
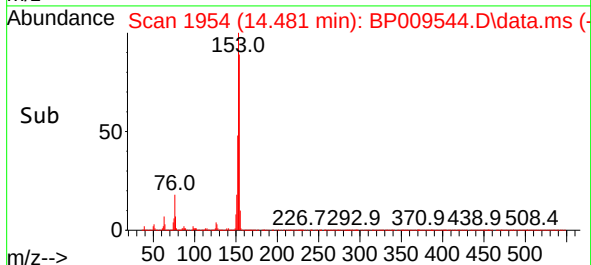
Reviewed By :Christian Giraldo 03/25/2022
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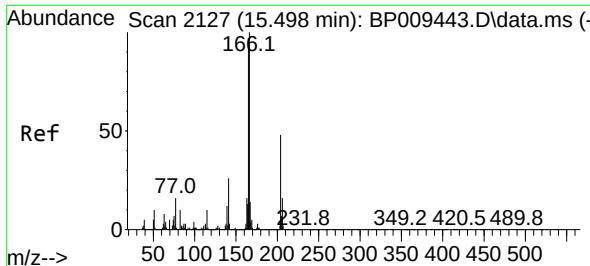


#52
Acenaphthene
Concen: 17.190 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30



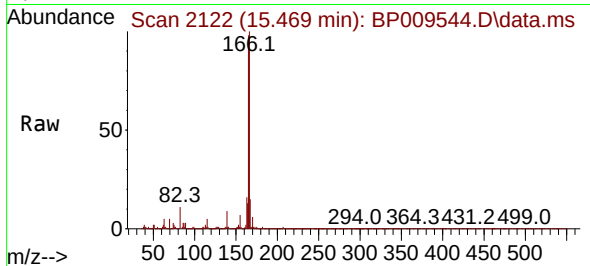
Tgt Ion:154 Resp: 699902
Ion Ratio Lower Upper
154 100
153 112.4 90.2 135.4
152 54.7 42.7 64.1





#58
Fluorene
Concen: 6.962 ng
RT: 15.469 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

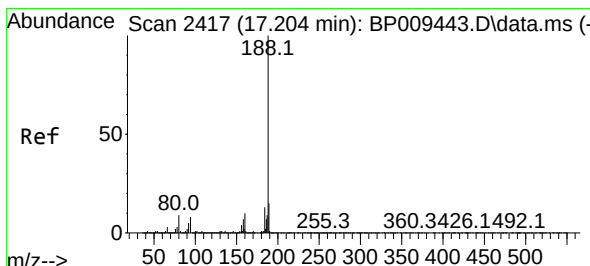
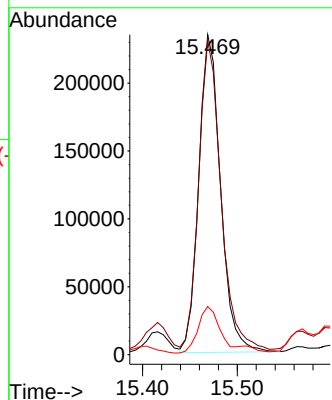
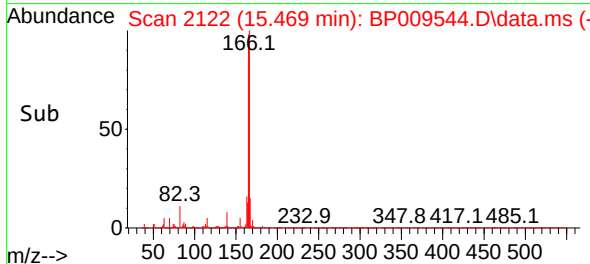
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:166 Resp: 374530
Ion Ratio Lower Upper
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165 98.3 79.2 118.8
167 15.1 10.7 16.1

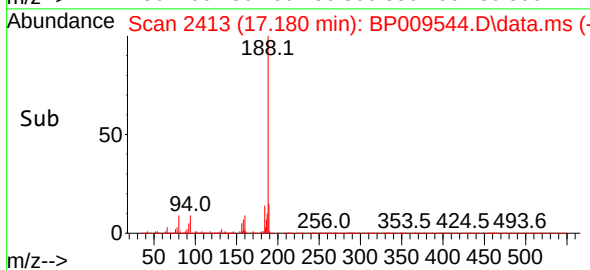
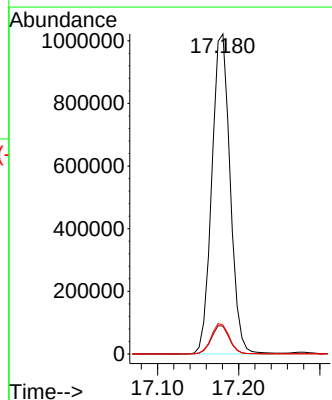
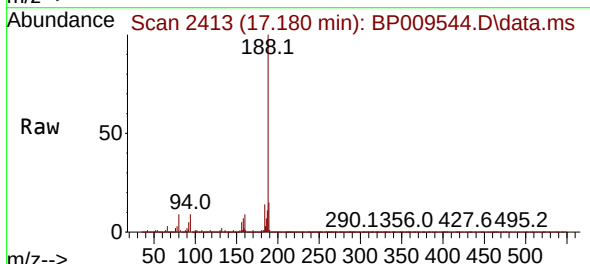
Manual Integrations
APPROVED

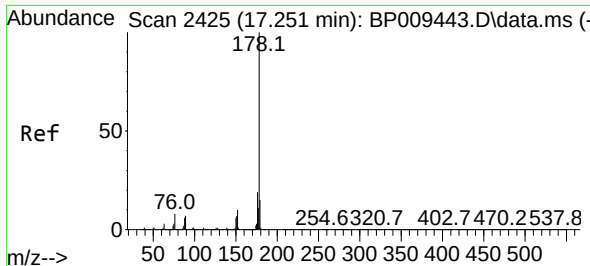
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

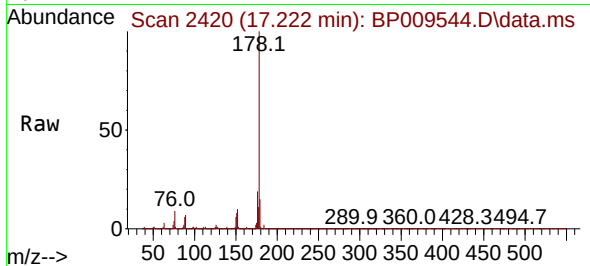
Tgt Ion:188 Resp: 1600467
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.1 8.8 13.2





#71
Phenanthrene
Concen: 28.092 ng
RT: 17.222 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

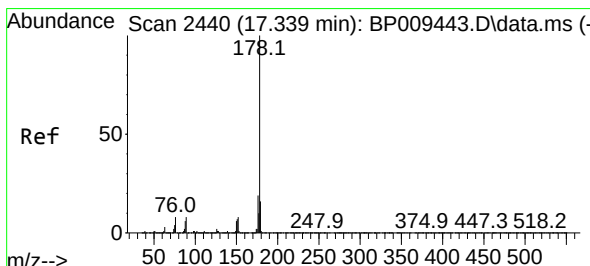
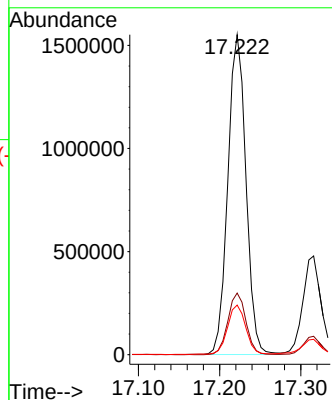
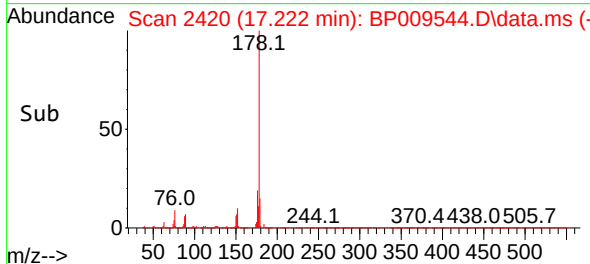
Instrument : BNA_P
ClientSampleId : SB-12-20220315-16.0-17.0DL



Tgt Ion:178 Resp: 240671
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.5 12.3 18.5

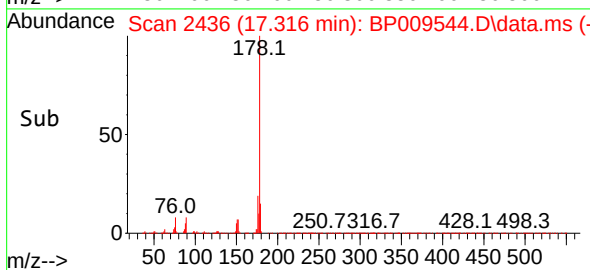
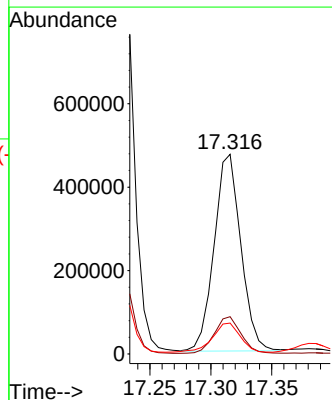
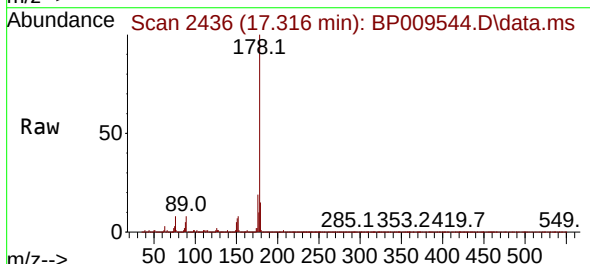
Manual Integrations
APPROVED

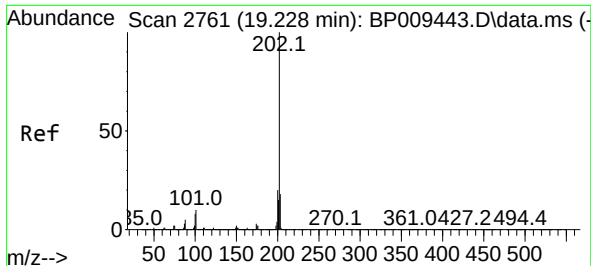
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#72
Anthracene
Concen: 8.524 ng
RT: 17.316 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

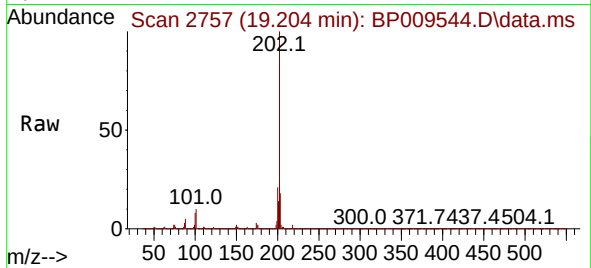
Tgt Ion:178 Resp: 721027
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.5 12.2 18.4





#75
Fluoranthene
Concen: 21.841 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

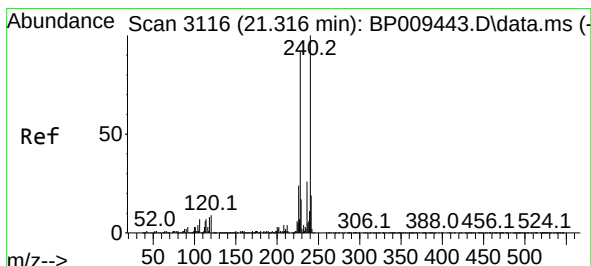
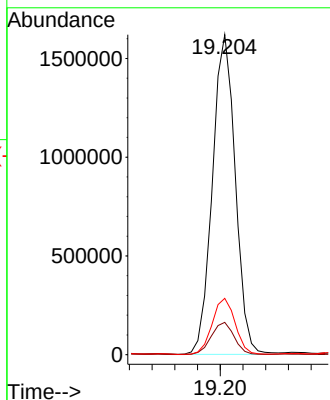
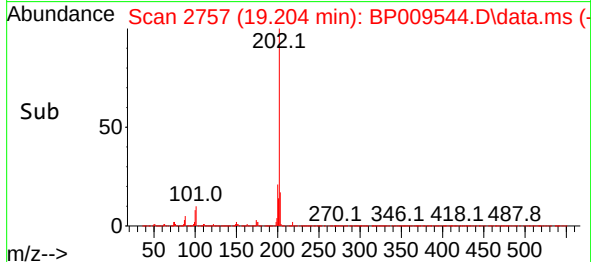
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:202 Resp: 2265400
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.5
203 17.6 0.0 37.8

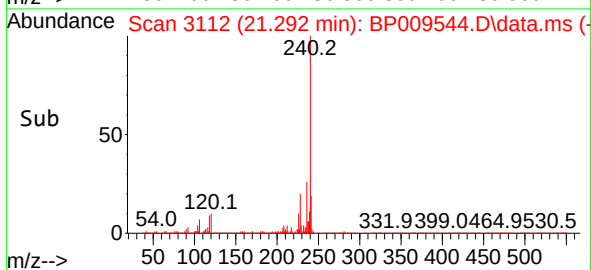
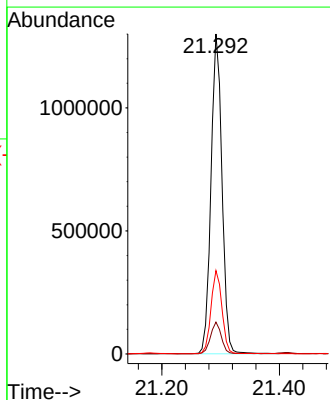
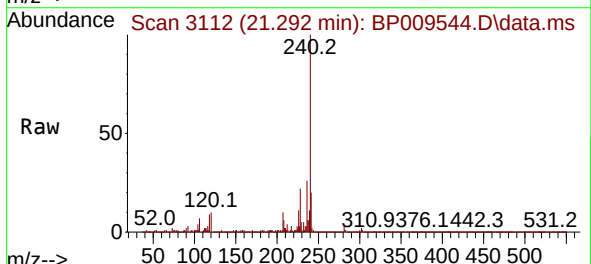
Manual Integrations
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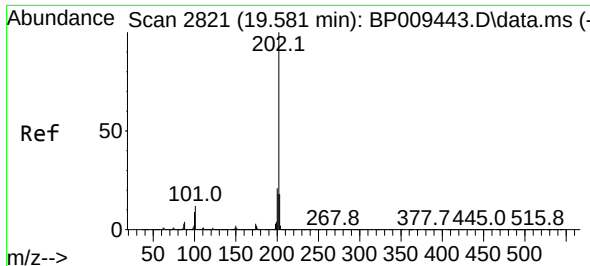
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

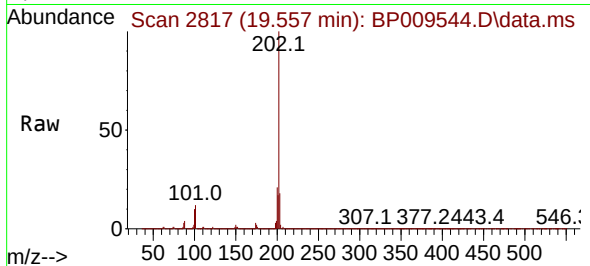
Tgt Ion:240 Resp: 1683497
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.4
236 26.0 20.6 30.8





#78
Pyrene
Concen: 22.243 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

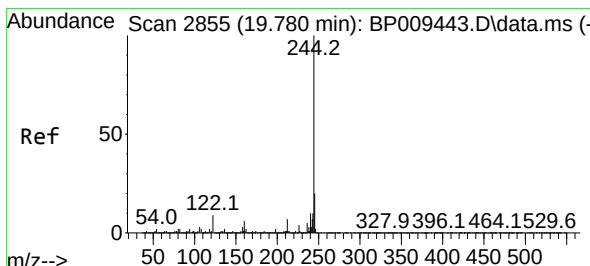
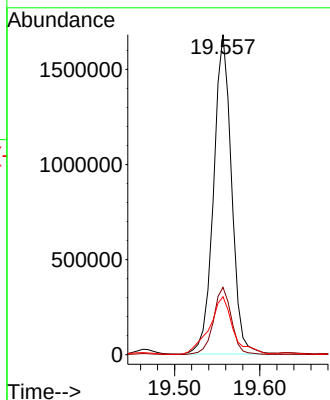
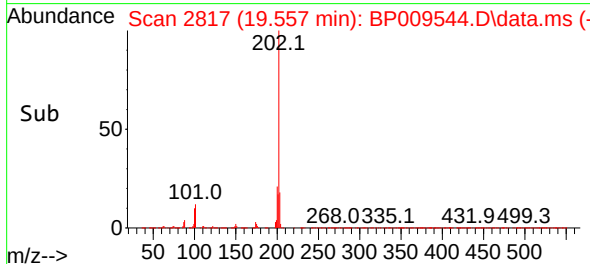
Instrument : BNA_P
ClientSampleId : SB-12-20220315-16.0-17.0DL



Tgt Ion:202 Resp: 2467574
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.1 14.2 21.4

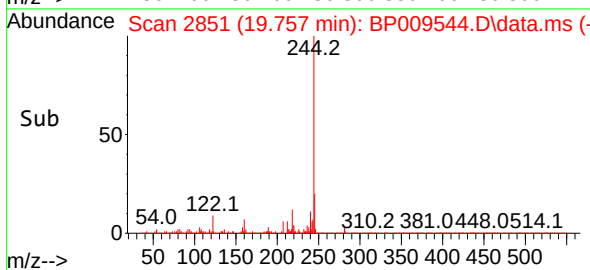
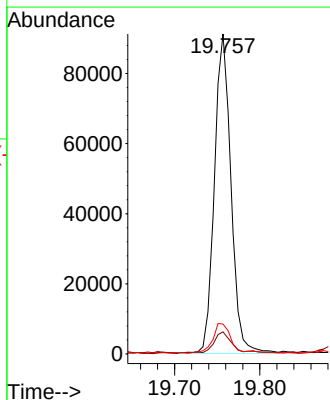
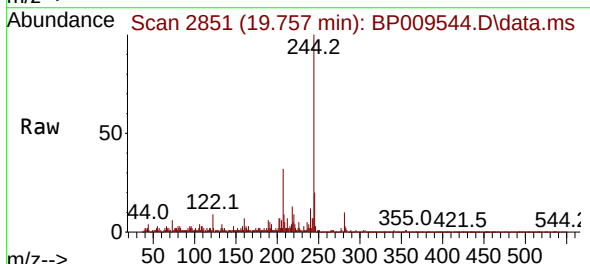
Manual Integrations
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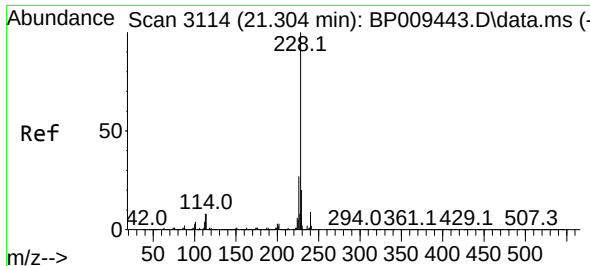
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#79
Terphenyl-d14
Concen: 1.313 ng
RT: 19.757 min Scan# 2851
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

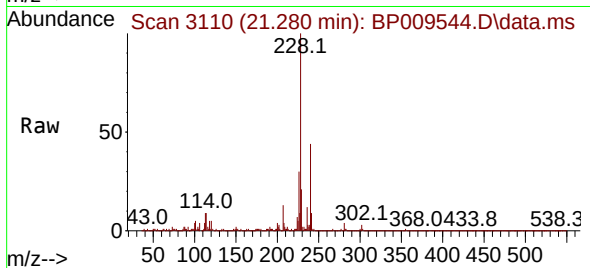
Tgt Ion:244 Resp: 123156
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 9.3 8.3 12.5





#81
Benzo(a)anthracene
Concen: 12.095 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

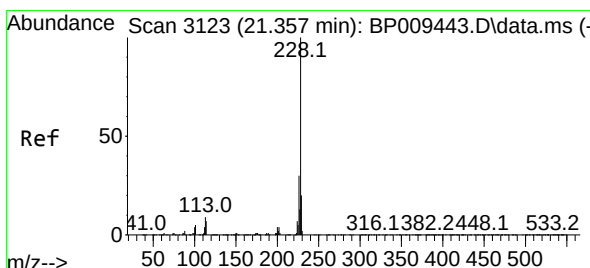
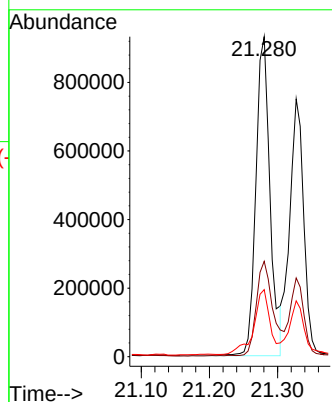
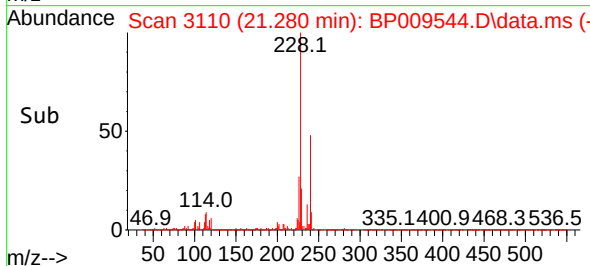
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:228 Resp: 133774
Ion Ratio Lower Upper
228 100
226 29.8 22.0 33.0
229 20.9 16.1 24.1

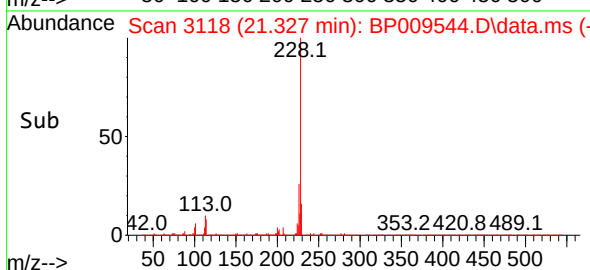
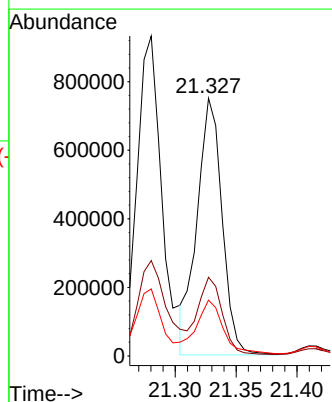
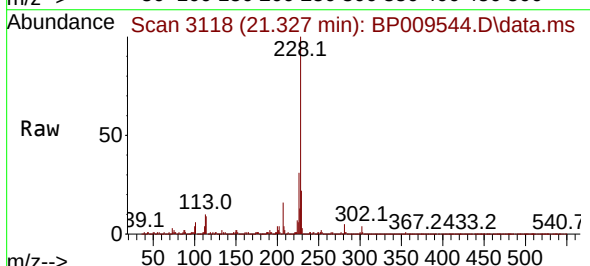
Manual Integrations
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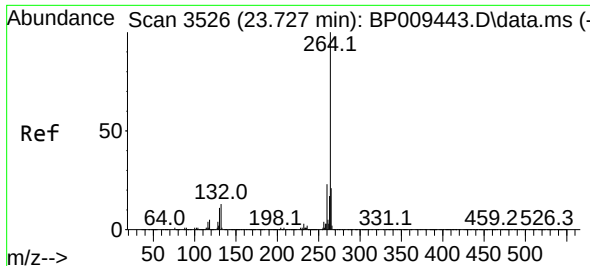
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#83
Chrysene
Concen: 10.269 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

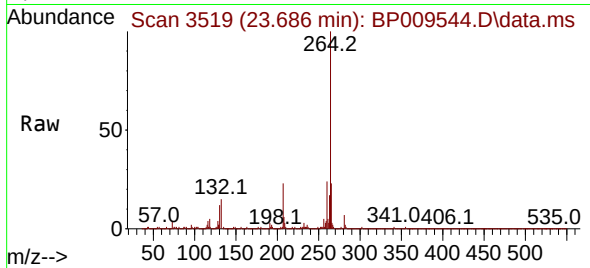
Tgt Ion:228 Resp: 1075503
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 21.6 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

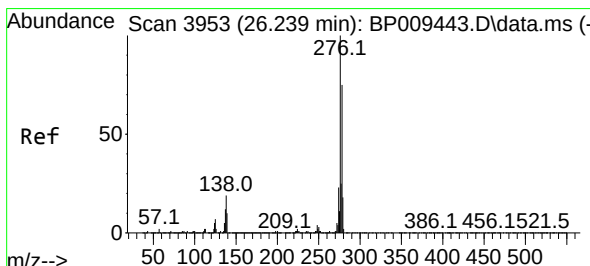
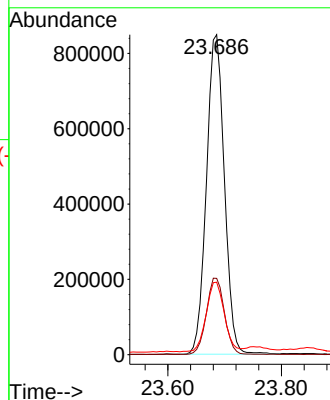
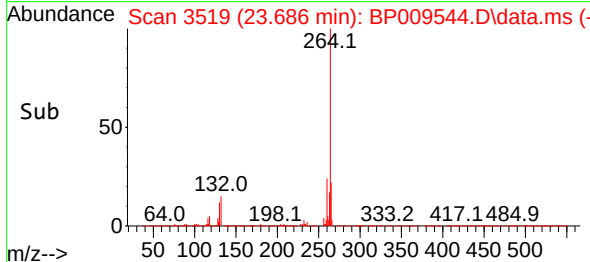
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:264 Resp: 1856154
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.0
265 22.6 17.2 25.8

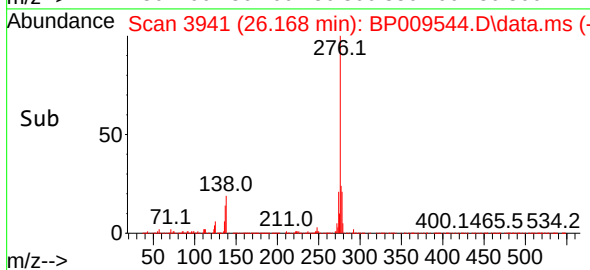
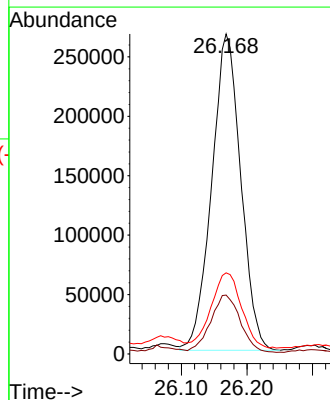
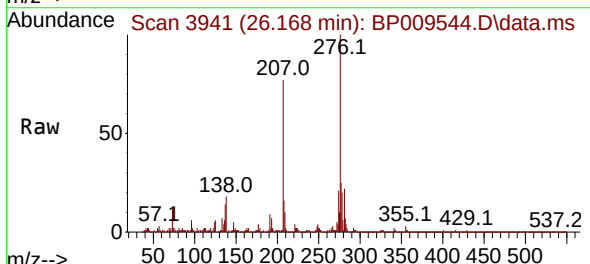
Manual Integrations
APPROVED

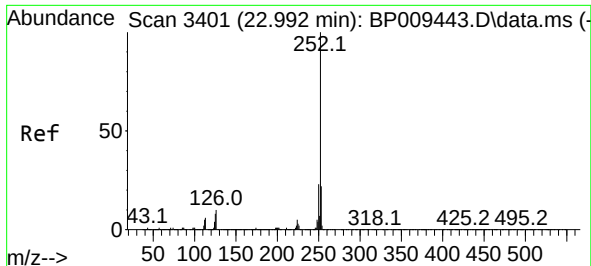
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.807 ng
RT: 26.168 min Scan# 3941
Delta R.T. -0.030 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

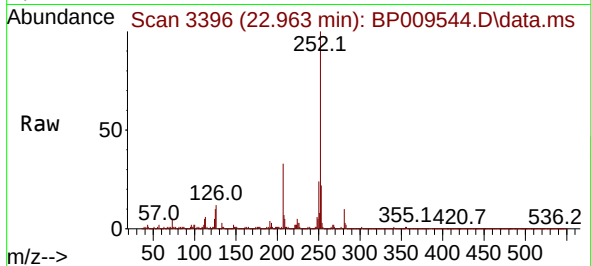
Tgt Ion:276 Resp: 817779
Ion Ratio Lower Upper
276 100
138 18.5 20.5 30.7#
277 24.9 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 13.602 ng m
RT: 22.963 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

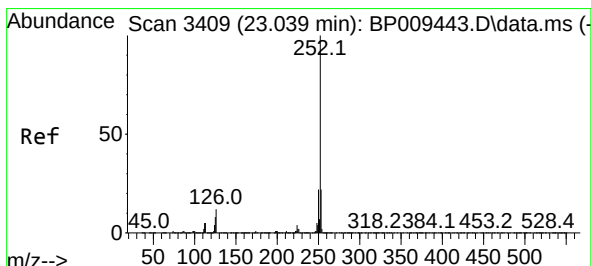
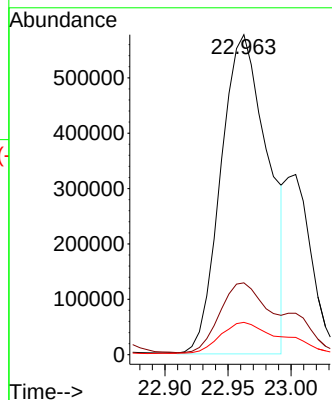
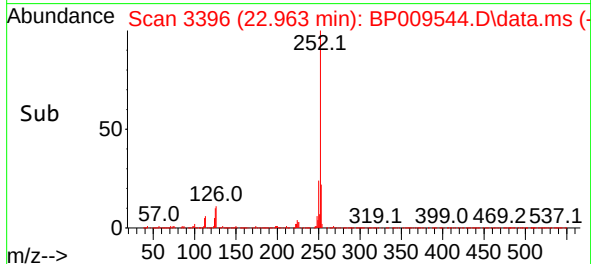
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:252 Resp: 1507218
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.1 8.1 12.1

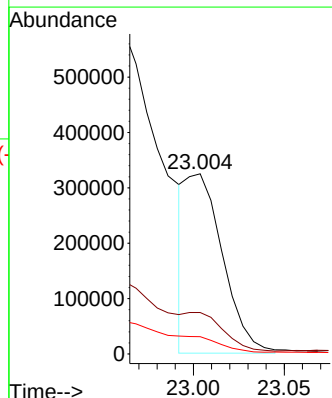
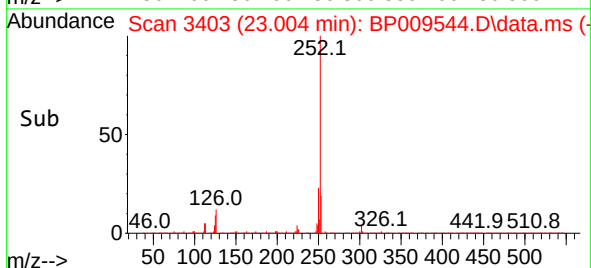
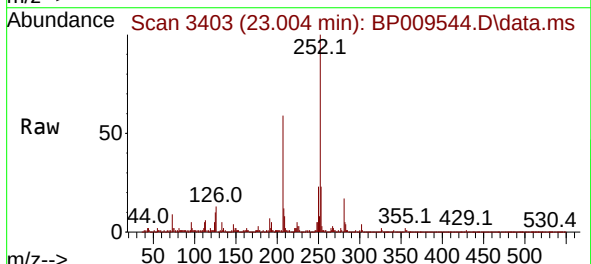
Manual Integrations
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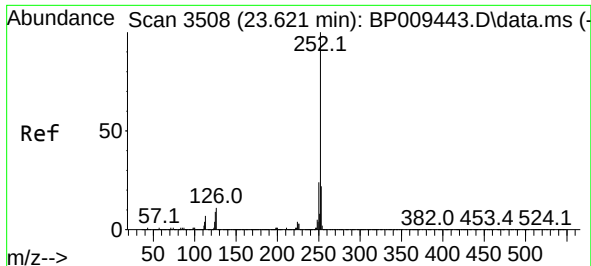
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#89
Benzo(k)fluoranthene
Concen: 4.208 ng m
RT: 23.004 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

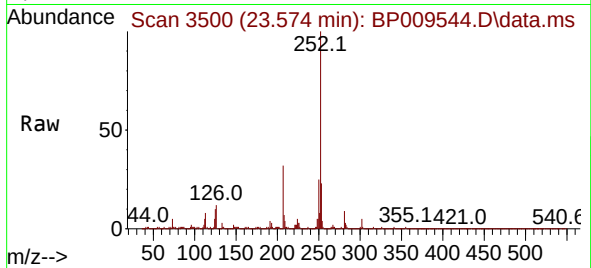
Tgt Ion:252 Resp: 456563
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.6 8.3 12.5





#90
Benzo(a)pyrene
Concen: 14.131 ng
RT: 23.574 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

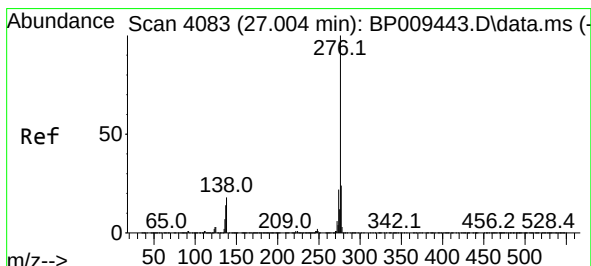
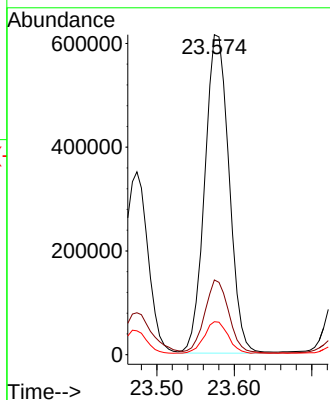
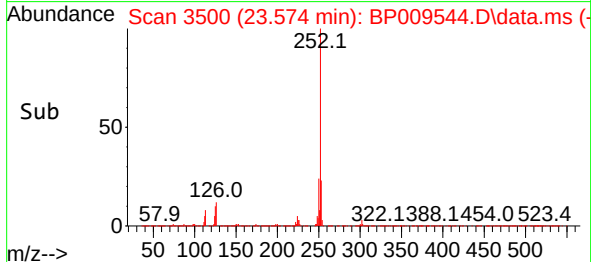
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0DL



Tgt Ion:252 Resp: 1339700
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.3 9.3 13.9

Manual Integrations
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Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#92
Benzo(g,h,i)perylene
Concen: 7.215 ng
RT: 26.933 min Scan# 4071
Delta R.T. -0.018 min
Lab File: BP009544.D
Acq: 24 Mar 2022 23:30

Tgt Ion:276 Resp: 833051
Ion Ratio Lower Upper
276 100
277 26.3 19.2 28.8
138 19.1 18.0 27.0

