

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009621.D
 Acq On : 30 Mar 2022 16:33
 Operator : CG/JU
 Sample : N2150-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 362

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/31/2022
 Supervised By : Jagrut Upadhyay 03/31/2022

Quant Time: Mar 31 04:40:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	240301	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	1045263	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	519416	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1085319	20.000	ng	# 0.00
76) Chrysene-d12	21.269	240	1221551	20.000	ng	# 0.00
86) Perylene-d12	23.651	264	1496194	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1630641	118.476	ng	0.00
7) Phenol-d6	6.928	99	2061607	110.761	ng	0.00
23) Nitrobenzene-d5	8.893	82	1262230	64.171	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	887318	103.522	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	2286238	61.018	ng	0.00
79) Terphenyl-d14	19.733	244	4272053	62.772	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.104	152	137657	2.923	ng	100
71) Phenanthrene	17.192	178	442259	7.612	ng	100
72) Anthracene	17.287	178	139106	2.425	ng	99
75) Fluoranthene	19.175	202	1832402	26.052	ng	99
78) Pyrene	19.533	202	2144598	26.643	ng	99
81) Benzo(a)anthracene	21.251	228	998395	12.440	ng	98
83) Chrysene	21.304	228	1072511	14.113	ng	99
87) Indeno(1,2,3-cd)pyrene	26.121	276	562446	4.955	ng	# 93
88) Benzo(b)fluoranthene	22.927	252	1600383	17.918	ng	99
89) Benzo(k)fluoranthene	22.969	252	546704m	6.251	ng	
90) Benzo(a)pyrene	23.539	252	932221	12.199	ng	98
92) Benzo(g,h,i)perylene	26.880	276	528100	5.674	ng	95

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

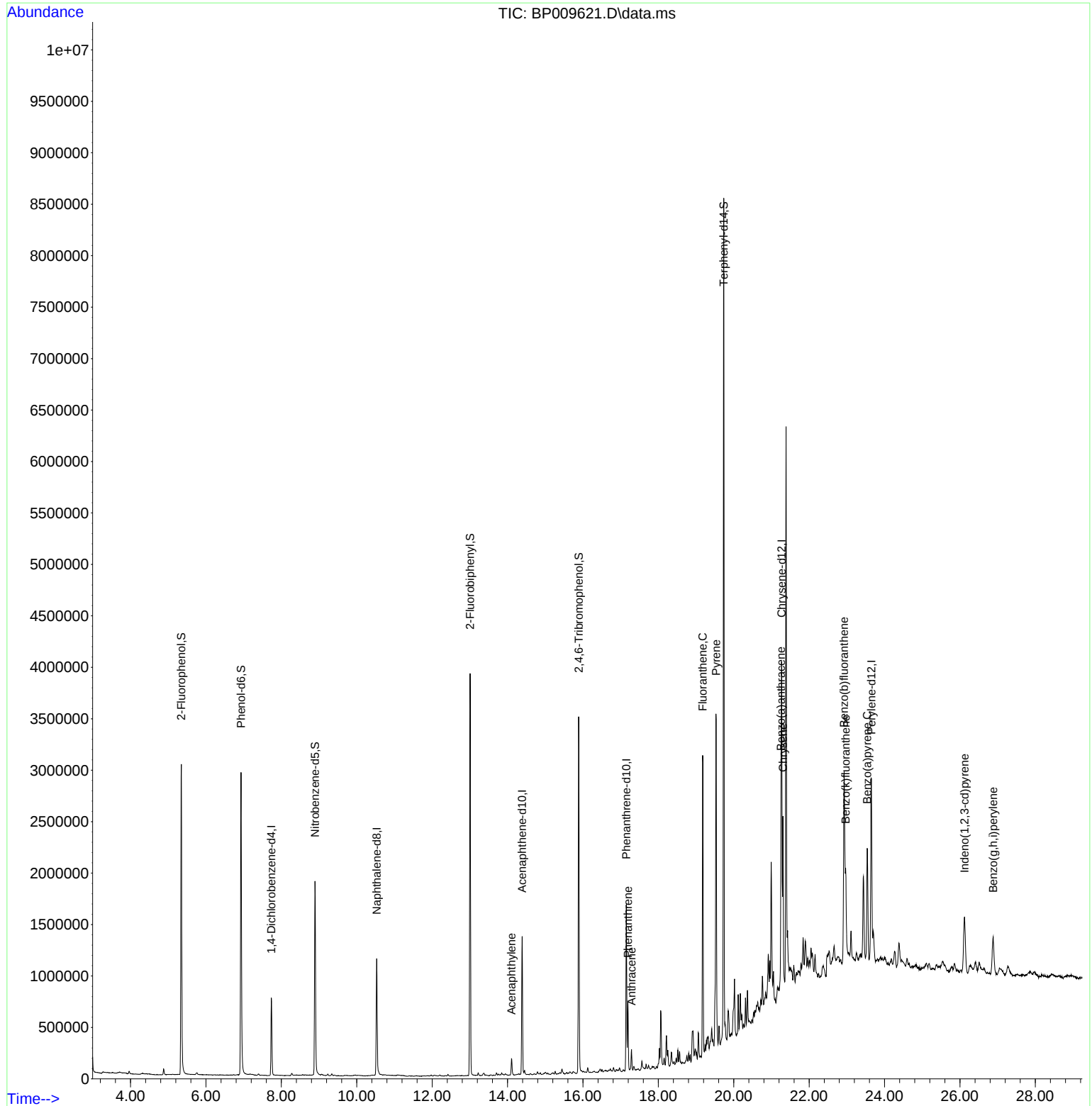
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Data File : BP009621.D
Acq On : 30 Mar 2022 16:33
Operator : CG/JU
Sample : N2150-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

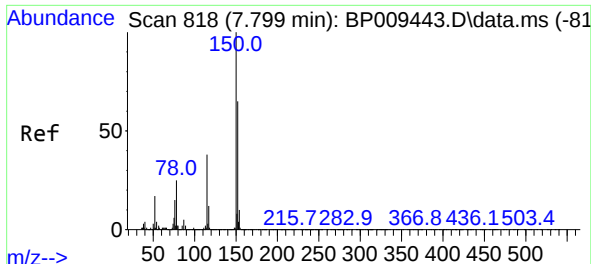
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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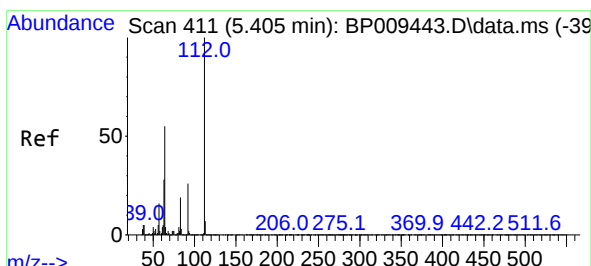
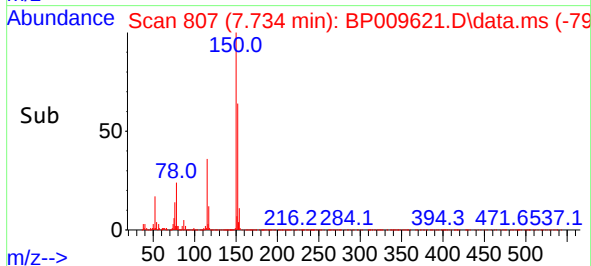
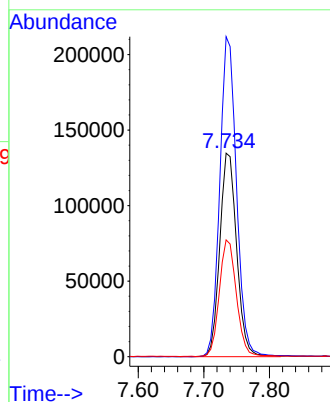
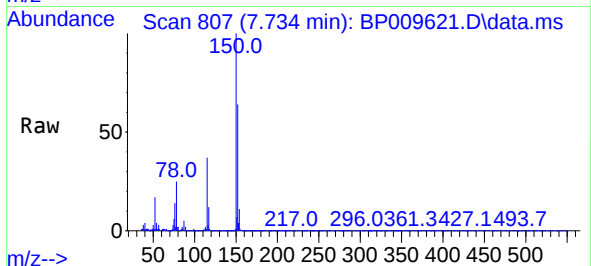
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion:152 Resp: 24030
Ion Ratio Lower Upper
152 100
150 157.2 124.5 186.7
115 57.4 48.2 72.4

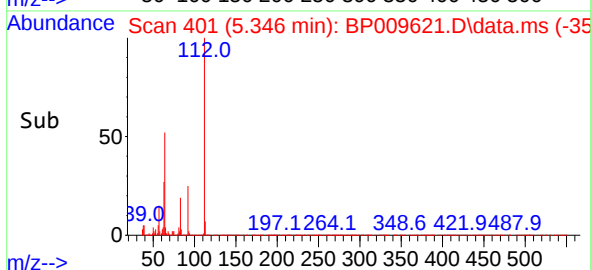
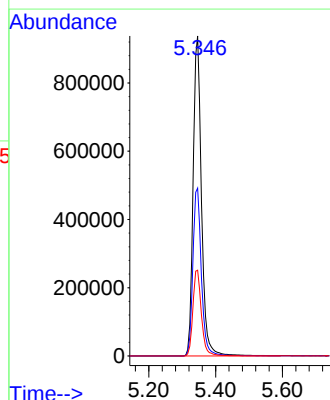
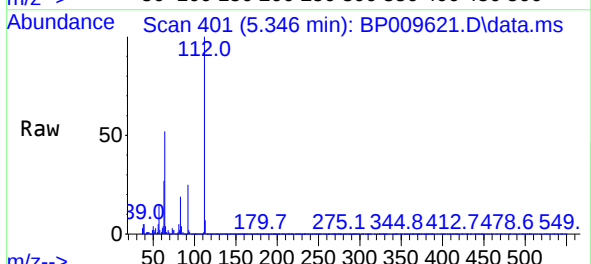
Manual Integrations
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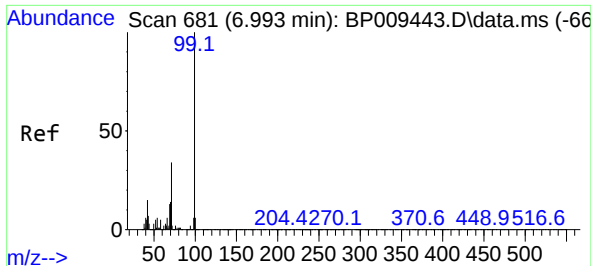
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 118.476 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:112 Resp: 1630641
Ion Ratio Lower Upper
112 100
64 52.5 45.0 67.4
63 26.8 23.0 34.6





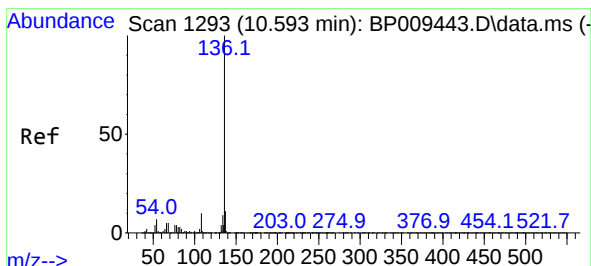
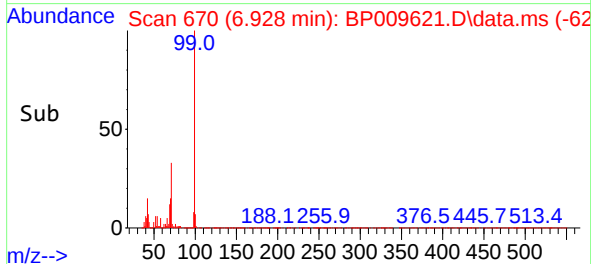
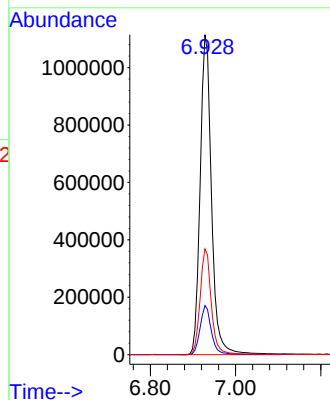
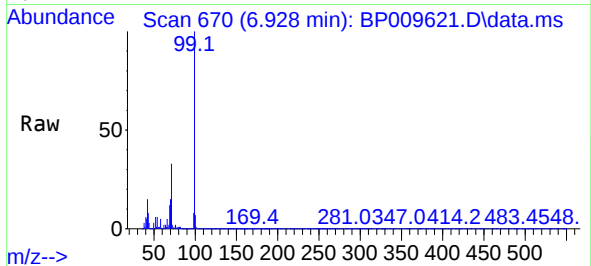
#7
Phenol-d6
Concen: 110.761 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion: 99 Resp: 206160
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 33.0 26.3 39.5

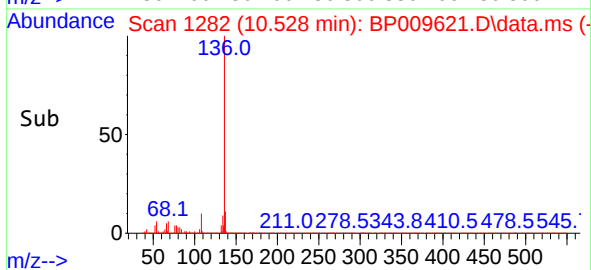
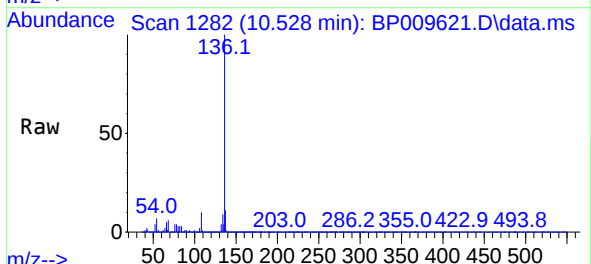
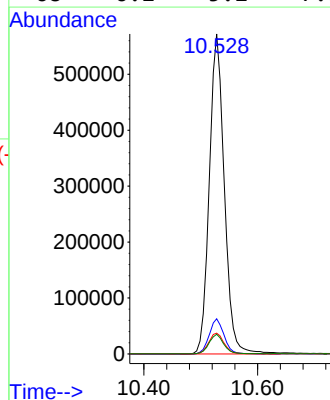
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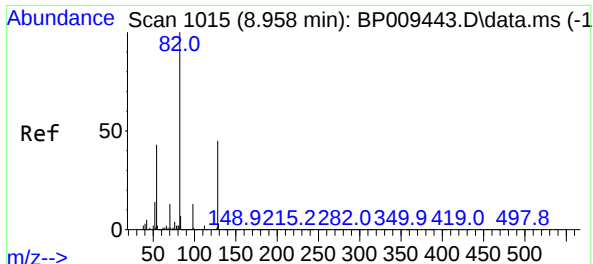
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:136 Resp: 1045263
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.5 5.8 8.8
68 6.2 5.2 7.8





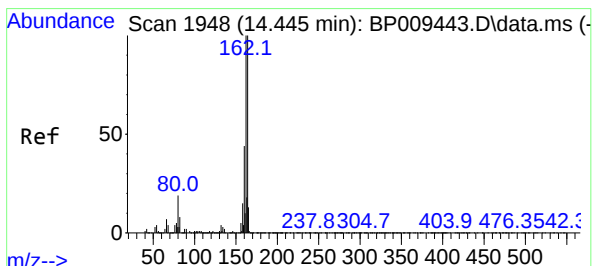
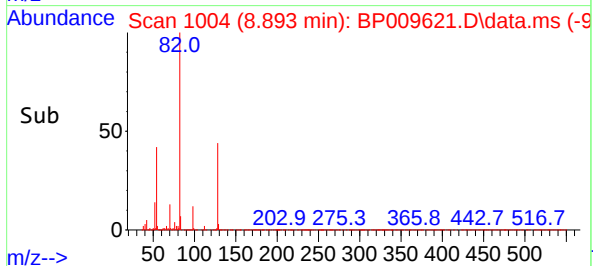
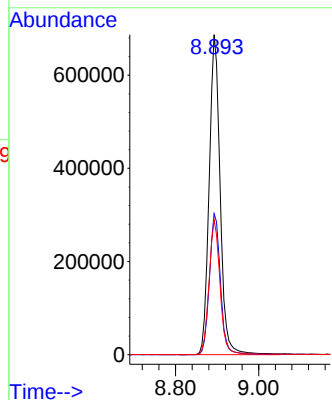
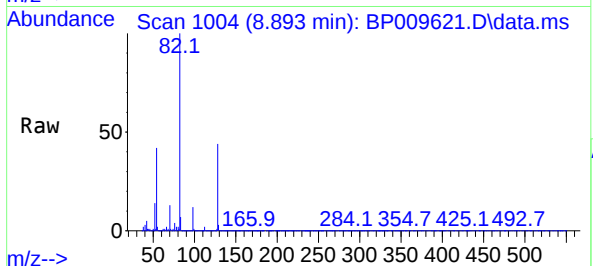
#23
Nitrobenzene-d5
Concen: 64.171 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion: 82 Resp: 1262230
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 42.1 34.7 52.1

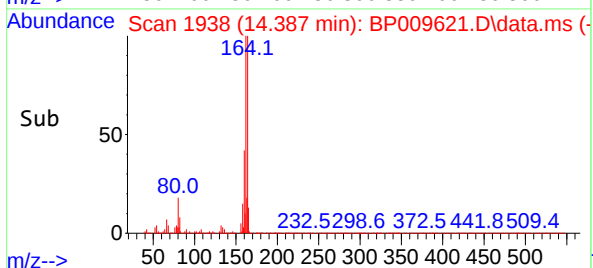
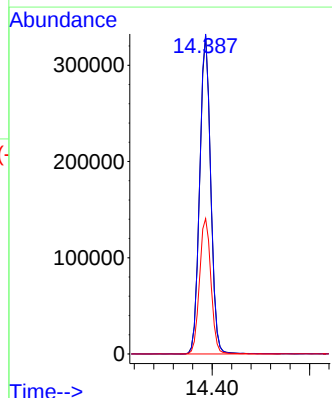
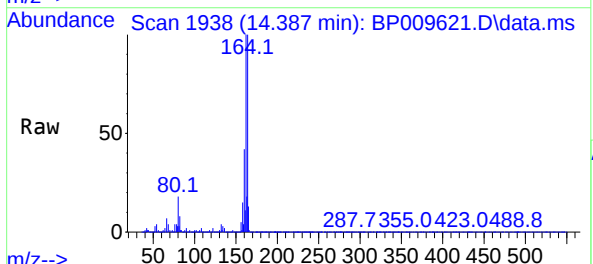
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:164 Resp: 519416
Ion Ratio Lower Upper
164 100
162 100.5 79.1 118.7
160 42.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 103.522 ng

RT: 15.887 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BP009621.D

Acq: 30 Mar 2022 16:33

Instrument :

BNA_P

ClientSampleId :

362

Tgt Ion:330 Resp: 887318

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

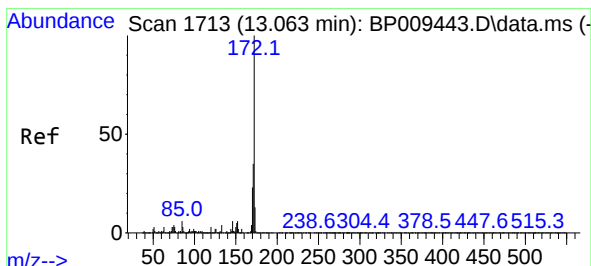
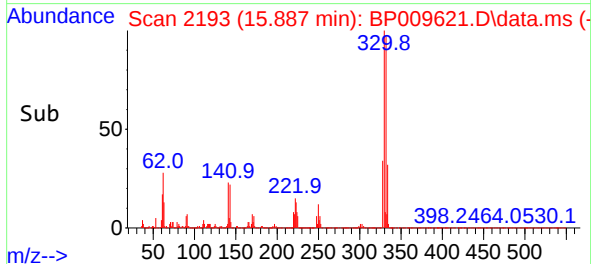
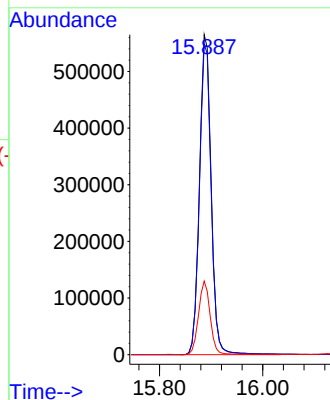
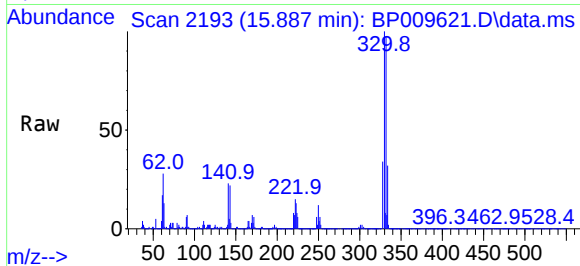
141 22.6 27.6 41.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/31/2022

Supervised By :Jagrut Upadhyay 03/31/2022



#45

2-Fluorobiphenyl

Concen: 61.018 ng

RT: 13.004 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BP009621.D

Acq: 30 Mar 2022 16:33

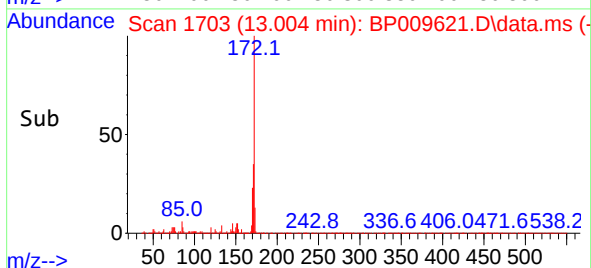
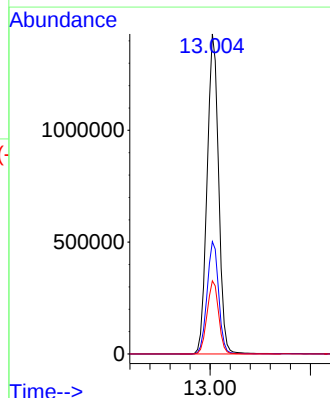
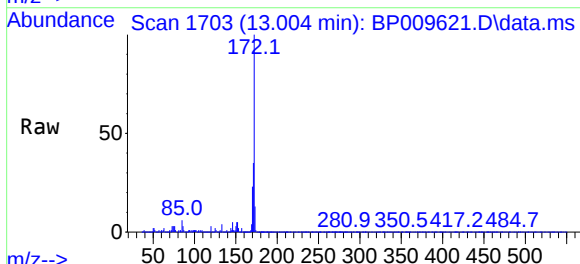
Tgt Ion:172 Resp: 2286238

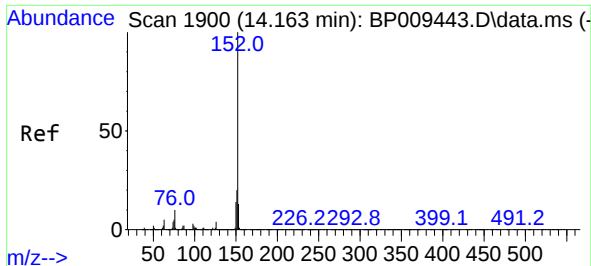
Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 22.9 18.6 27.8





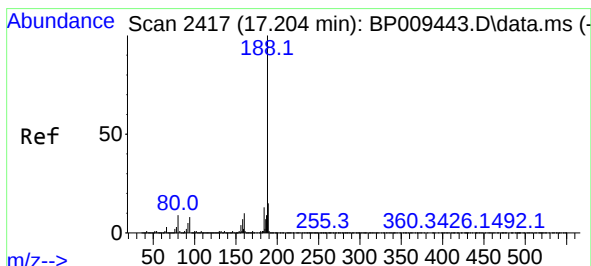
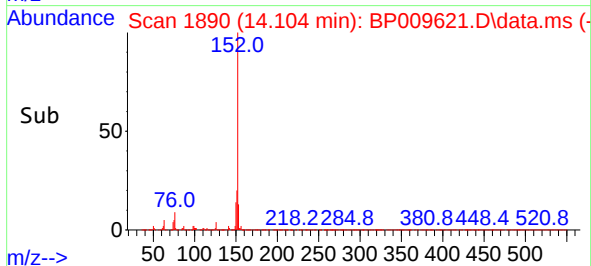
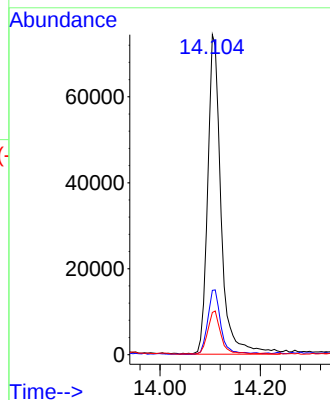
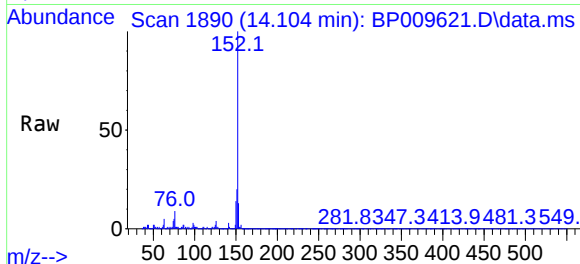
#49
Acenaphthylene
Concen: 2.923 ng
RT: 14.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion:152 Resp: 13765
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.2 10.7 16.1

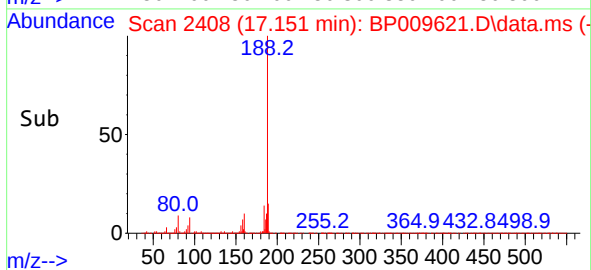
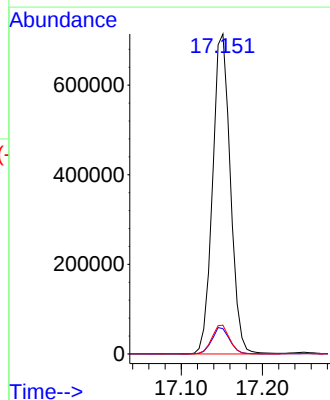
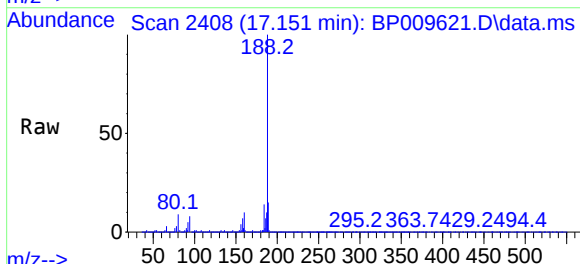
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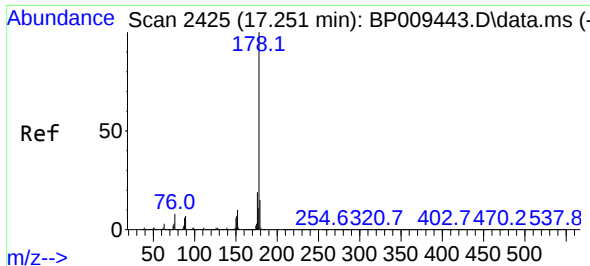
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:188 Resp: 1085319
Ion Ratio Lower Upper
188 100
94 7.9 7.9 11.9#
80 9.0 8.8 13.2





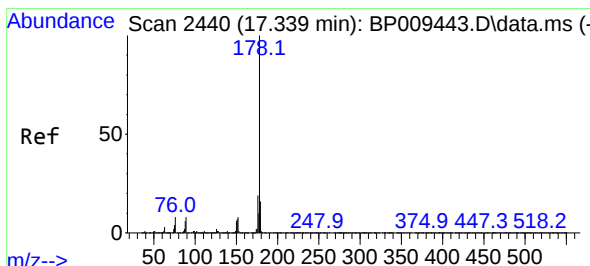
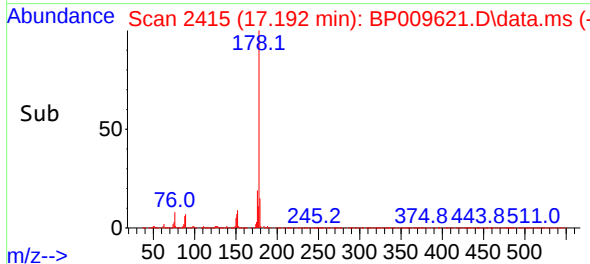
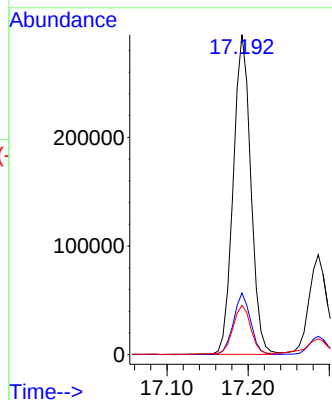
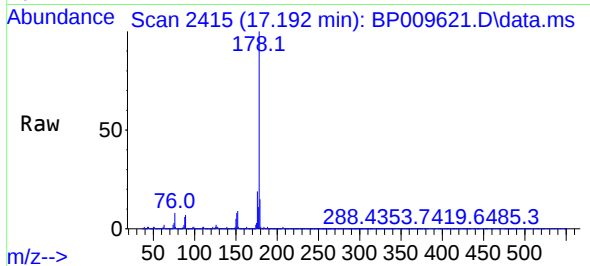
#71
Phenanthrene
Concen: 7.612 ng
RT: 17.192 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion:178 Resp: 442259
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.3 18.5

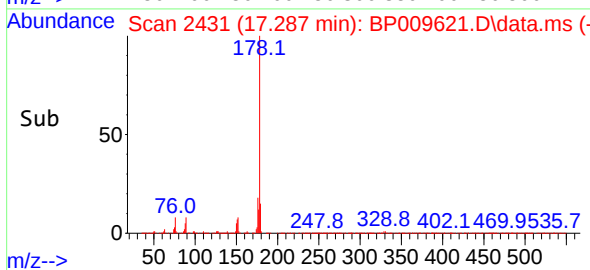
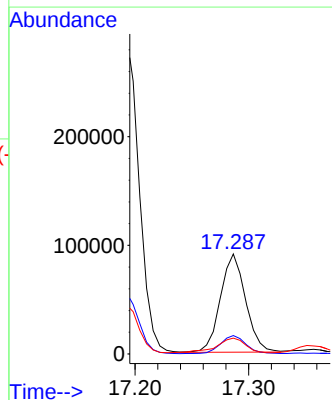
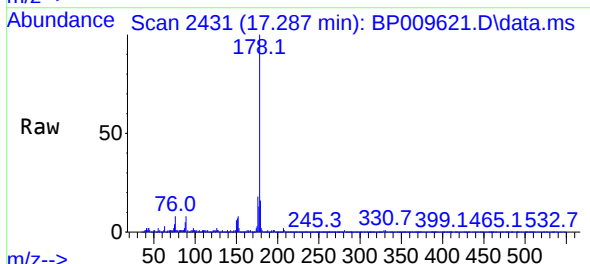
Manual Integrations
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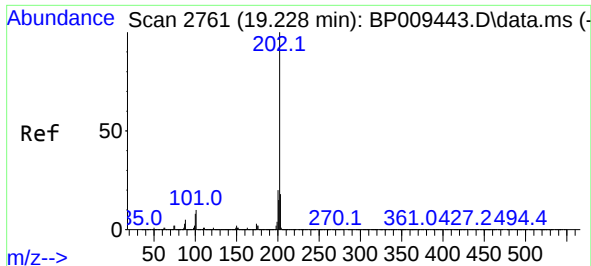
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#72
Anthracene
Concen: 2.425 ng
RT: 17.287 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:178 Resp: 139106
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 15.9 12.2 18.4





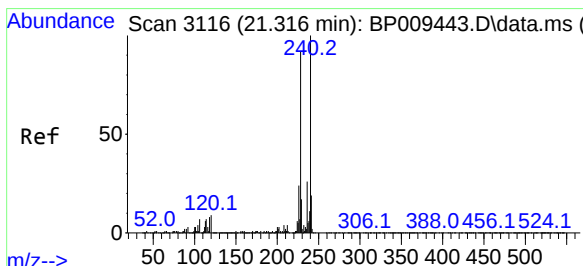
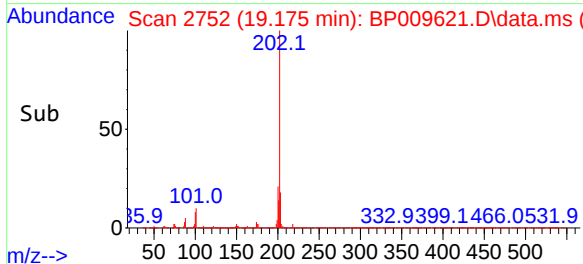
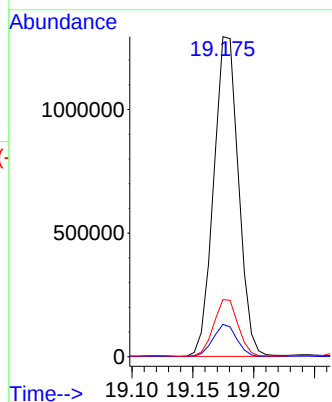
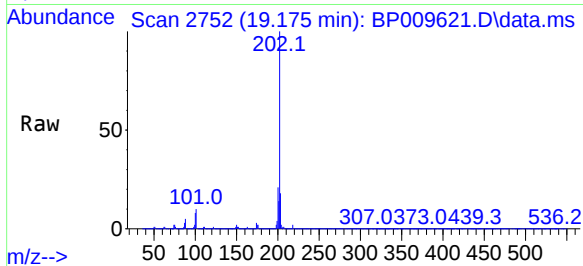
#75
Fluoranthene
Concen: 26.052 ng
RT: 19.175 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion:202 Resp: 183240
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.5
203 17.8 0.0 37.8

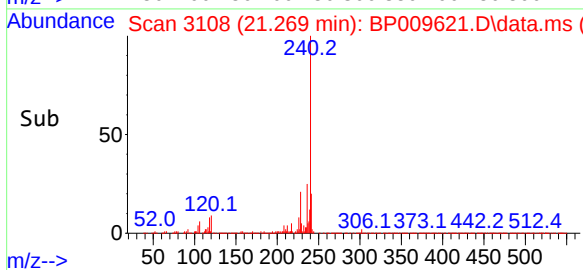
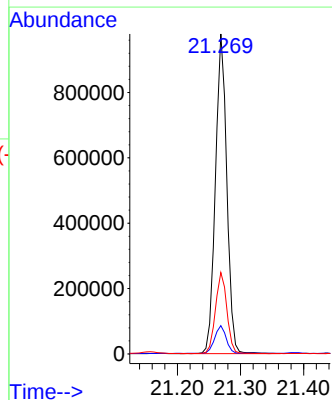
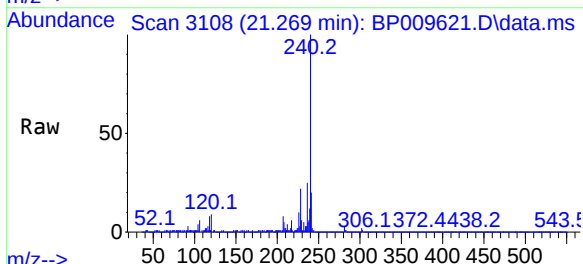
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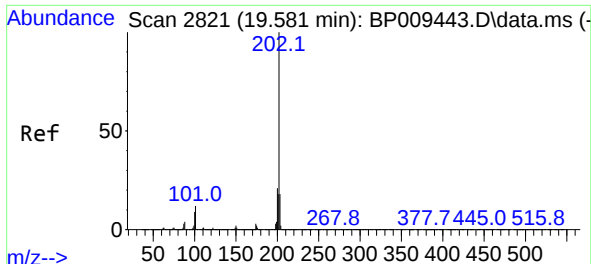
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

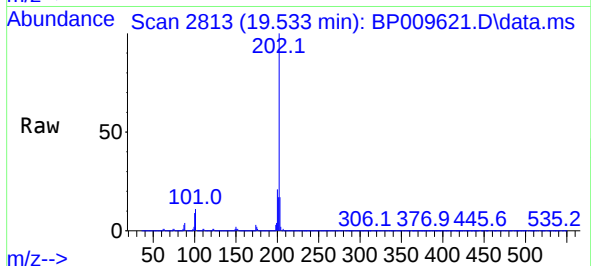
Tgt Ion:240 Resp: 1221551
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.4#
236 25.5 20.6 30.8





#78
Pyrene
Concen: 26.643 ng
RT: 19.533 min Scan# 2144598
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

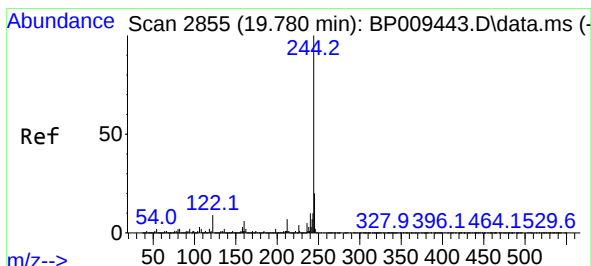
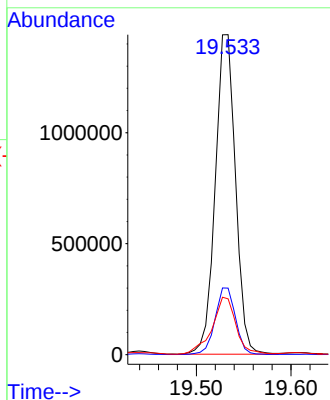
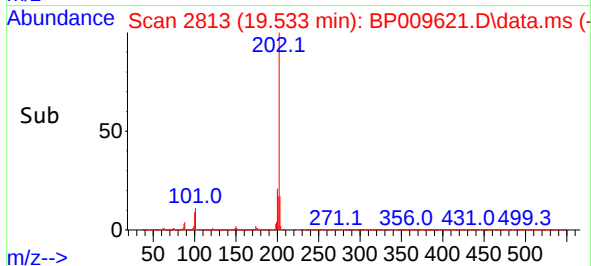
Instrument :
BNA_P
ClientSampleId :
362



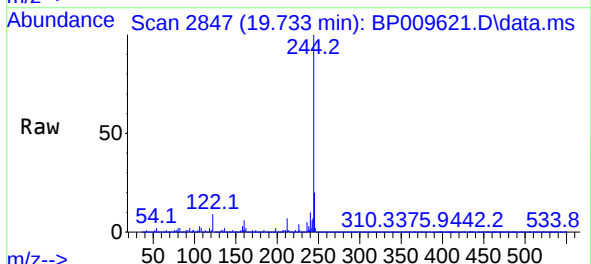
Tgt Ion:202 Resp: 2144598
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.5 14.2 21.4

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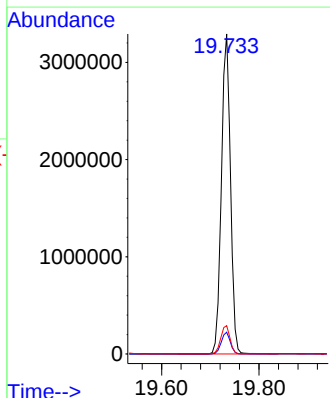
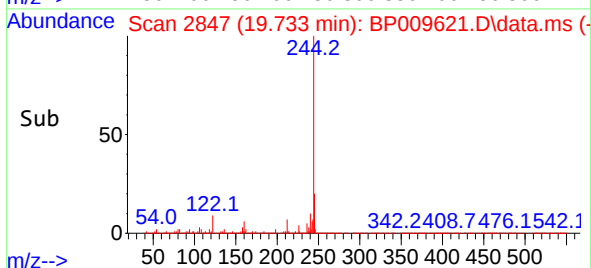
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

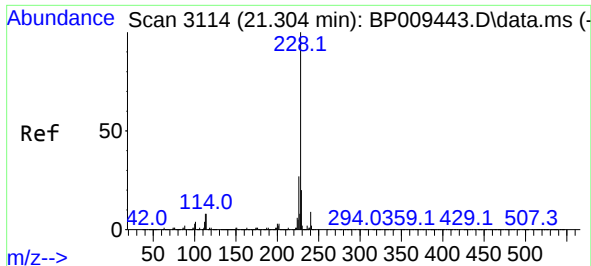


#79
Terphenyl-d14
Concen: 62.772 ng
RT: 19.733 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33



Tgt Ion:244 Resp: 4272053
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 8.9 8.3 12.5





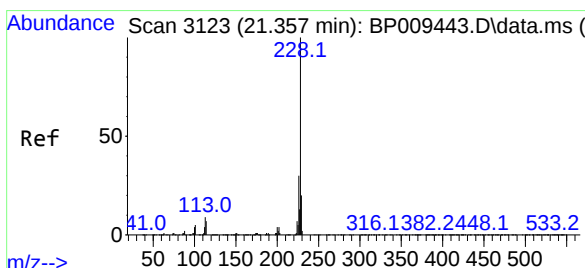
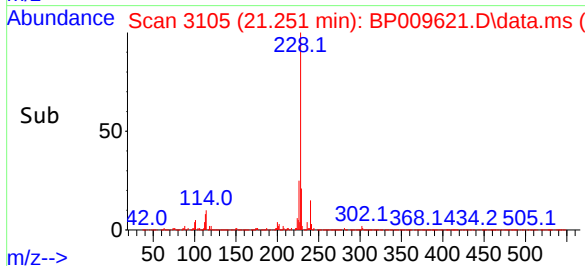
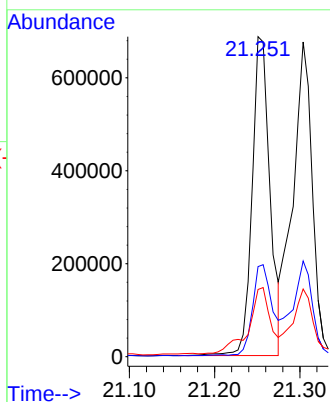
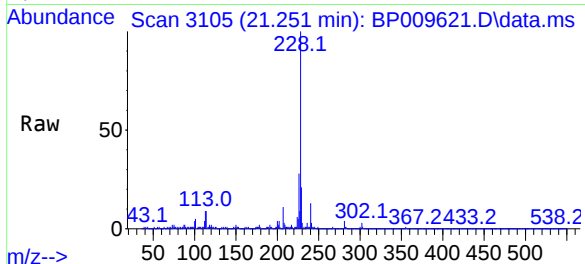
#81
Benzo(a)anthracene
Concen: 12.440 ng
RT: 21.251 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion:228 Resp: 998395
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 21.0 16.1 24.1

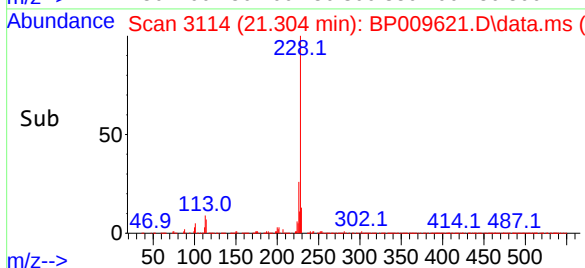
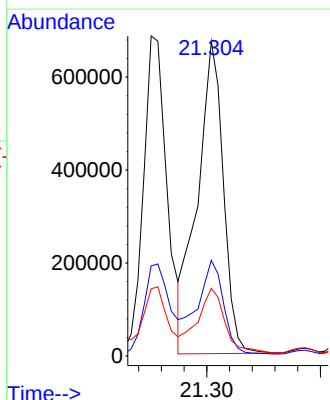
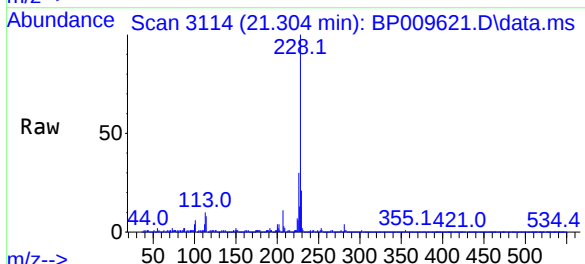
Manual Integrations
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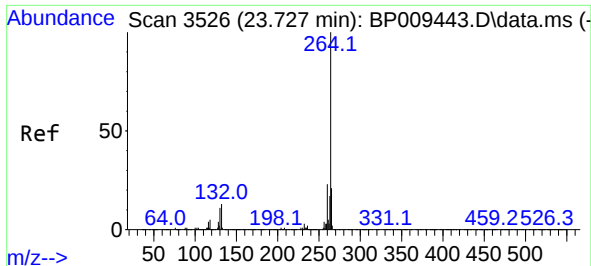
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#83
Chrysene
Concen: 14.113 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

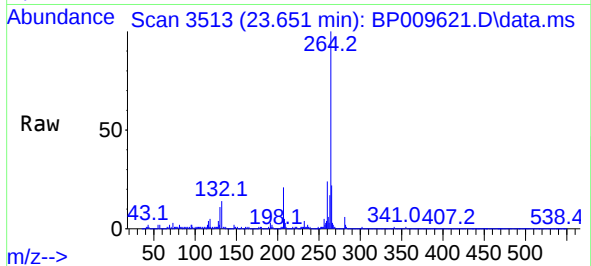
Tgt Ion:228 Resp: 1072511
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.5 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.651 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

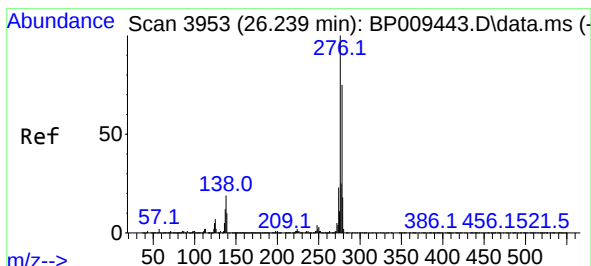
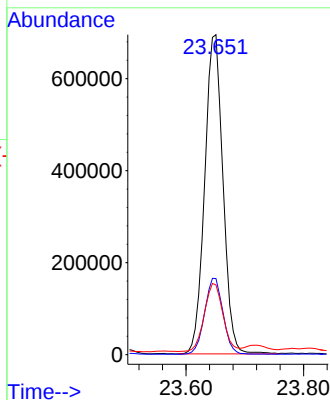
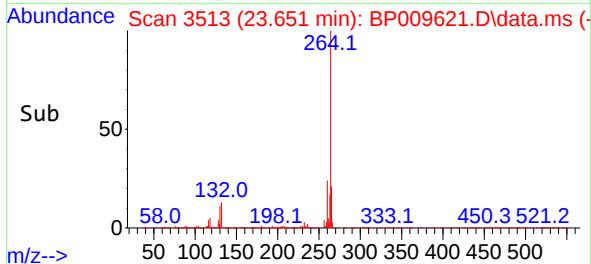
Instrument :
BNA_P
ClientSampleId :
362



Tgt Ion:264 Resp: 1496194
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 21.8 17.2 25.8

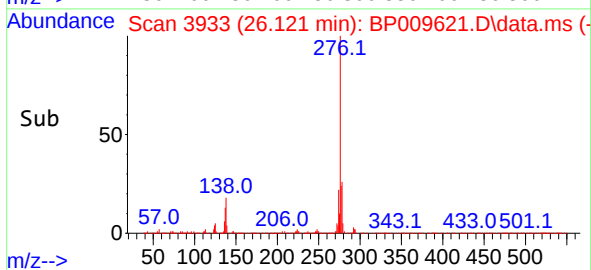
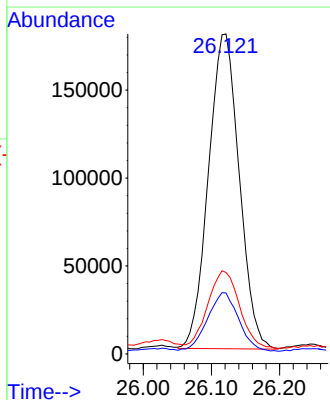
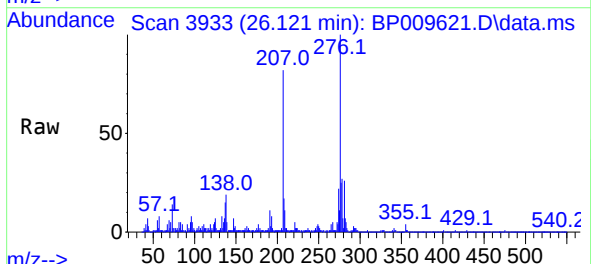
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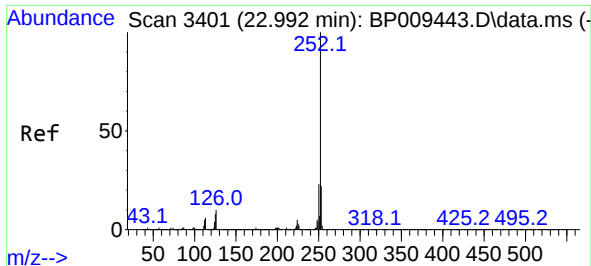
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.955 ng
RT: 26.121 min Scan# 3933
Delta R.T. -0.018 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:276 Resp: 562446
Ion Ratio Lower Upper
276 100
138 18.8 20.5 30.7#
277 25.6 20.4 30.6





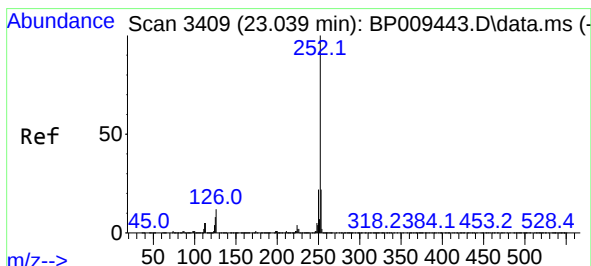
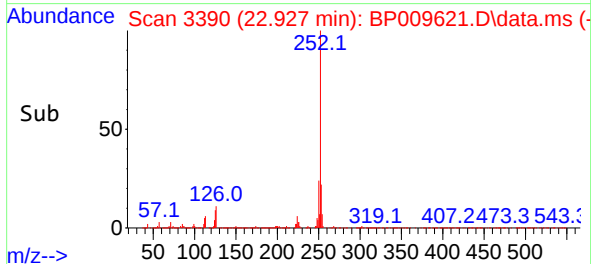
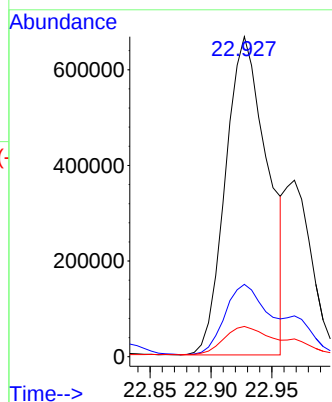
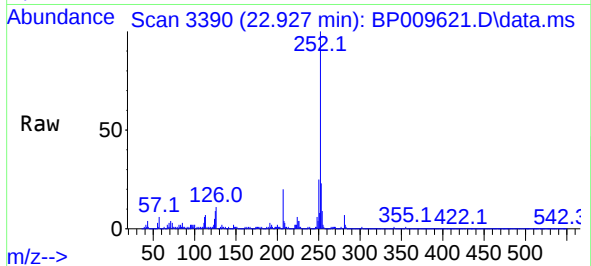
#88
Benzo(b)fluoranthene
Concen: 17.918 ng
RT: 22.927 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion:252 Resp: 160038
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.5 8.1 12.1

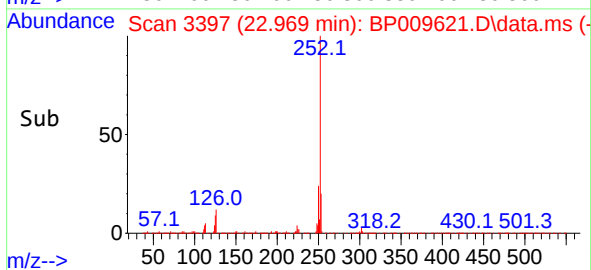
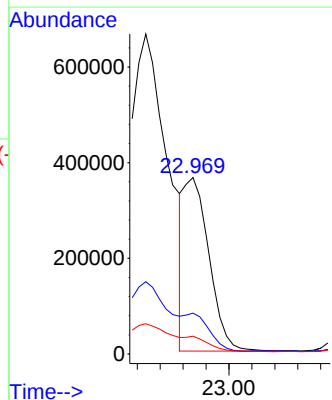
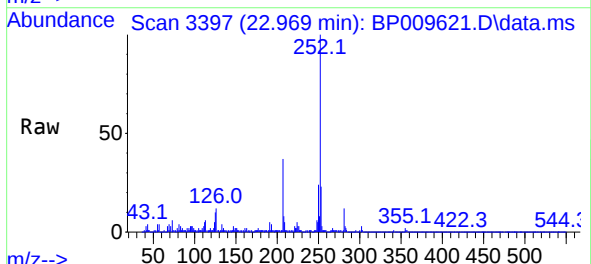
Manual Integrations
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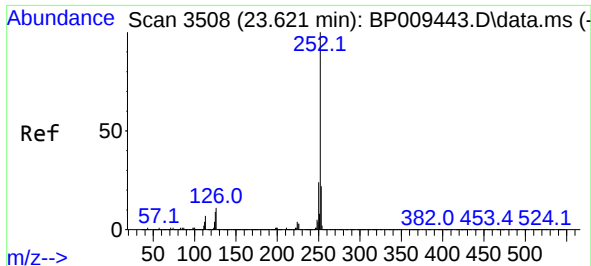
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#89
Benzo(k)fluoranthene
Concen: 6.251 ng m
RT: 22.969 min Scan# 3397
Delta R.T. -0.012 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:252 Resp: 546704
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.1 8.3 12.5





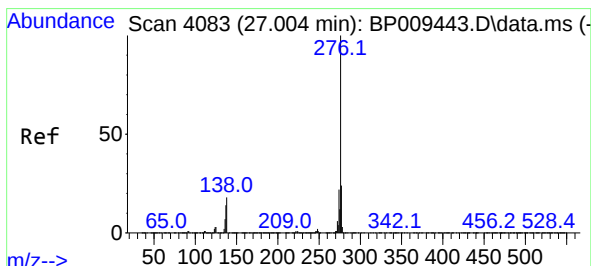
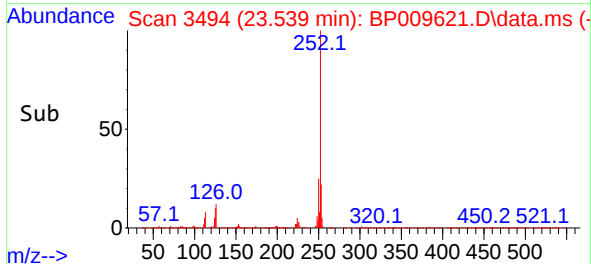
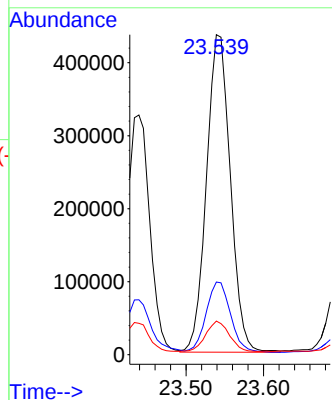
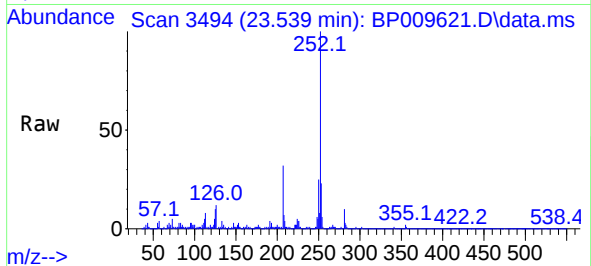
#90
Benzo(a)pyrene
Concen: 12.199 ng
RT: 23.539 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Instrument :
BNA_P
ClientSampleId :
362

Tgt Ion:252 Resp: 93222
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.5 9.3 13.9

Manual Integrations
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Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#92
Benzo(g,h,i)perylene
Concen: 5.674 ng
RT: 26.880 min Scan# 4062
Delta R.T. -0.018 min
Lab File: BP009621.D
Acq: 30 Mar 2022 16:33

Tgt Ion:276 Resp: 528100
Ion Ratio Lower Upper
276 100
277 25.0 19.2 28.8
138 18.7 18.0 27.0

