

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
 Data File : BP009637.D
 Acq On : 31 Mar 2022 13:53
 Operator : CG/JU
 Sample : N2155-05RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-ERE

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/01/2022
 Supervised By :Jagrut Upadhyay 04/01/2022

Quant Time: Mar 31 14:43:46 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	7.740	152	273383	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1071938	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	730439	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1117029	20.000	ng	0.00
76) Chrysene-d12	21.280	240	1108001	20.000	ng	# 0.00
86) Perylene-d12	23.668	264	1224123	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	141524	9.038	ng	0.00
7) Phenol-d6	6.934	99	1614388	76.238	ng	0.00
23) Nitrobenzene-d5	8.899	82	1407580	69.780	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	17374	1.441	ng	0.01
45) 2-Fluorobiphenyl	13.010	172	3284417	62.335	ng	0.00
79) Terphenyl-d14	19.739	244	3895671	63.107	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.581	128	227223	4.115	ng	99
37) 2-Methylnaphthalene	12.204	142	125052	3.228	ng	99
38) 1-Methylnaphthalene	12.422	142	81895	2.170	ng	99
52) Acenaphthene	14.457	154	175733	4.442	ng	99
55) Dibenzofuran	14.792	168	180510	2.716	ng	# 97
58) Fluorene	15.445	166	204350	3.909	ng	98
71) Phenanthrene	17.204	178	1646293	27.532	ng	99
72) Anthracene	17.292	178	409943	6.944	ng	99
73) Carbazole	17.569	167	170256	2.949	ng	99
75) Fluoranthene	19.186	202	1978070	27.325	ng	98
78) Pyrene	19.539	202	1742245	23.862	ng	99
81) Benzo(a)anthracene	21.263	228	921283	12.656	ng	99
83) Chrysene	21.316	228	815228	11.827	ng	97
84) Bis(2-ethylhexyl)phtha...	21.192	149	183762	4.248	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.151	276	508017	5.470	ng	# 91
88) Benzo(b)fluoranthene	22.945	252	991194m	13.564	ng	
89) Benzo(k)fluoranthene	22.980	252	393924m	5.506	ng	
90) Benzo(a)pyrene	23.563	252	764081	12.221	ng	96
92) Benzo(g,h,i)perylene	26.910	276	588546	7.729	ng	95

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

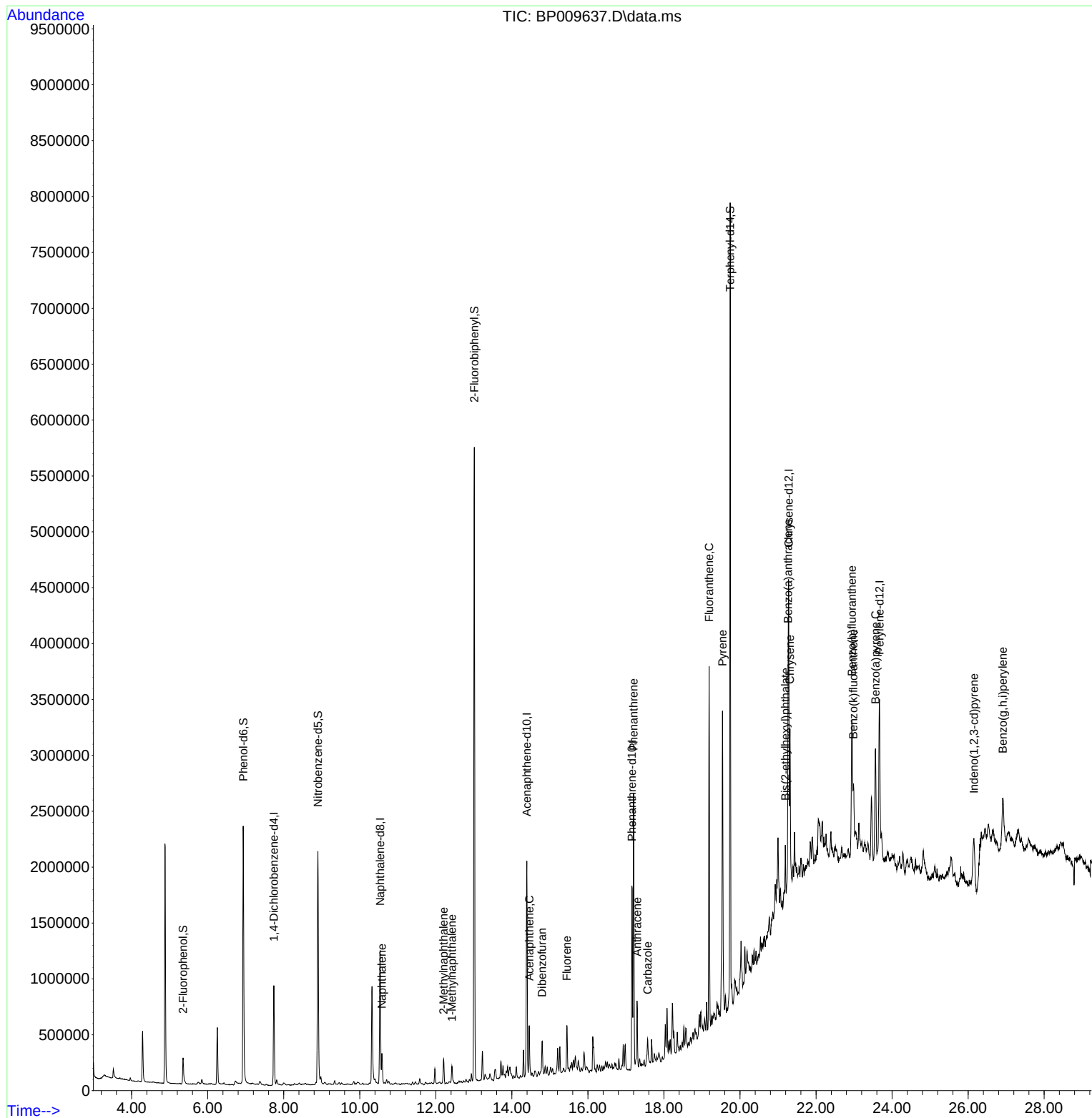
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
Data File : BP009637.D
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Sample : N2155-05RE
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ALS Vial : 6 Sample Multiplier: 1

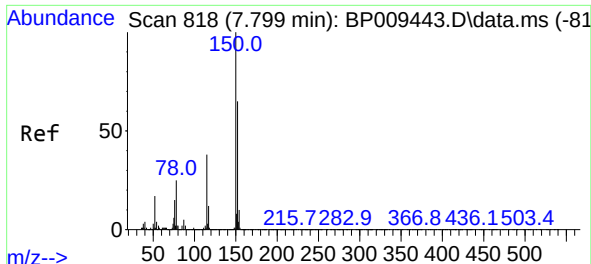
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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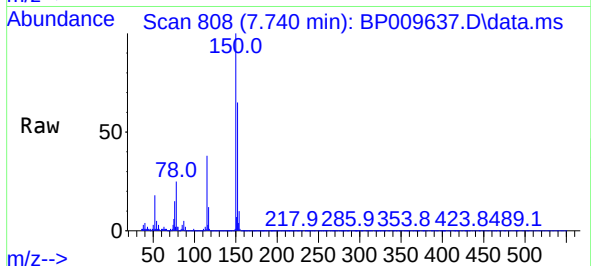
Reviewed By : Christian Giraldo 04/01/2022
Supervised By : Jagrut Upadhyay 04/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

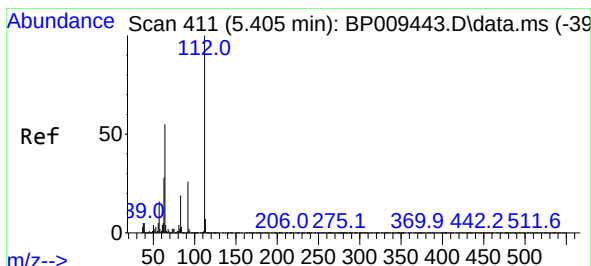
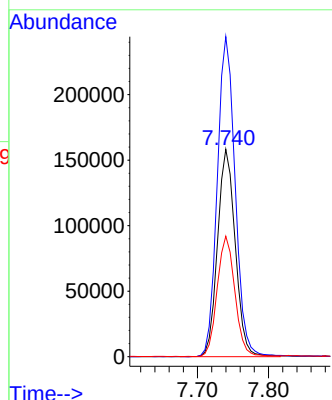
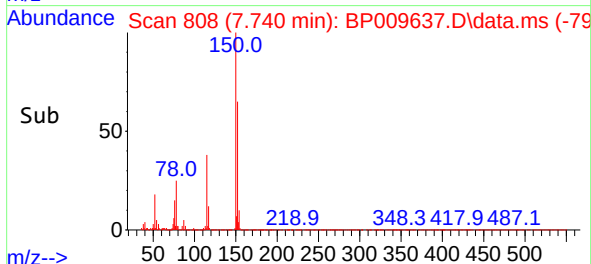
Instrument :
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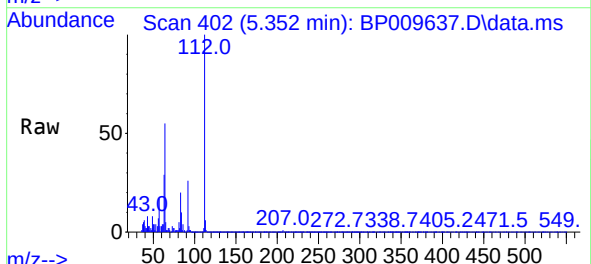
Tgt Ion:152 Resp: 27338
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 58.1 48.2 72.4

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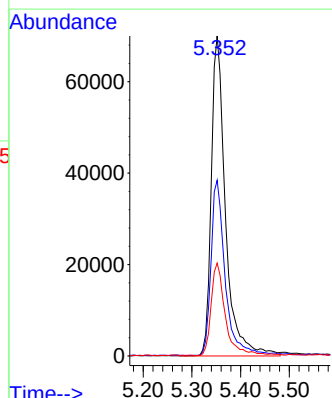
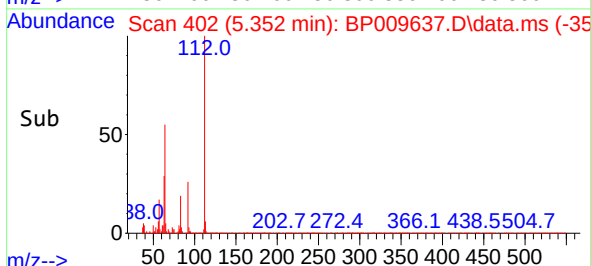
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022

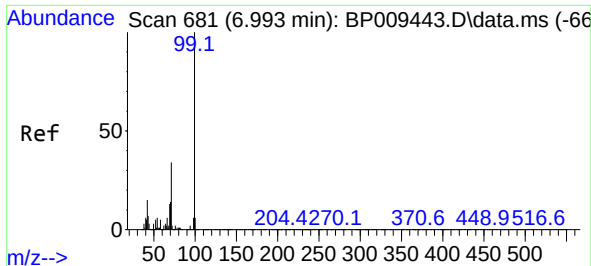


#5
2-Fluorophenol
Concen: 9.038 ng
RT: 5.352 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53



Tgt Ion:112 Resp: 141524
Ion Ratio Lower Upper
112 100
64 54.9 45.0 67.4
63 29.0 23.0 34.6





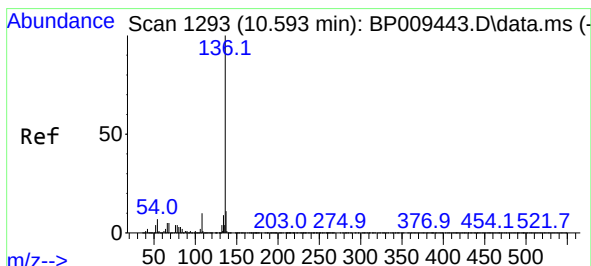
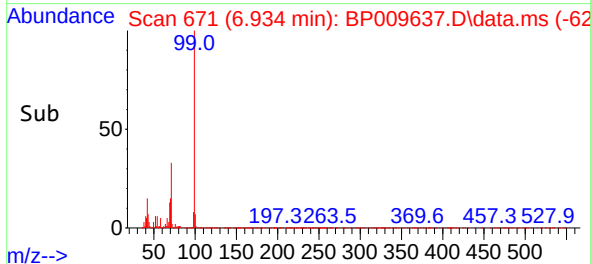
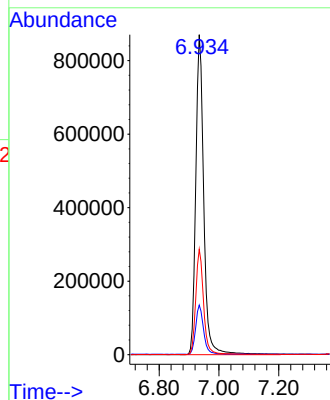
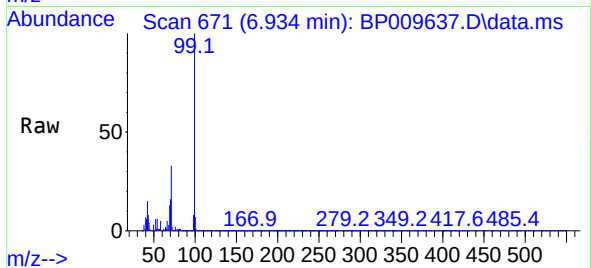
#7
Phenol-d6
Concen: 76.238 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 161438
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.0 26.3 39.5

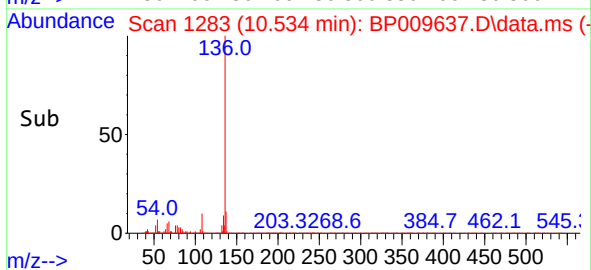
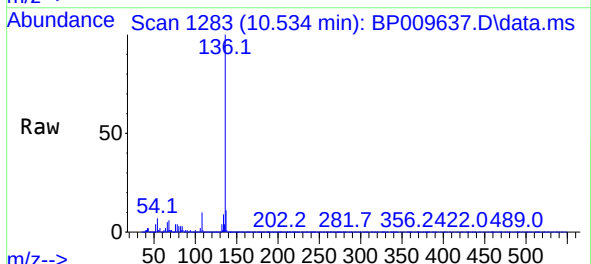
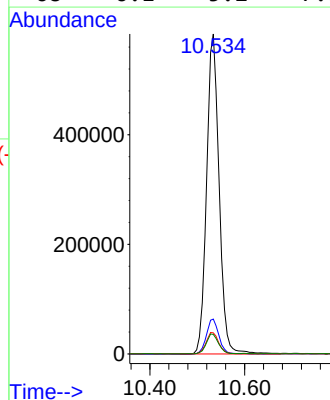
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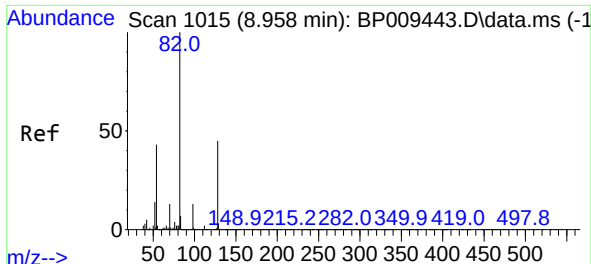
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

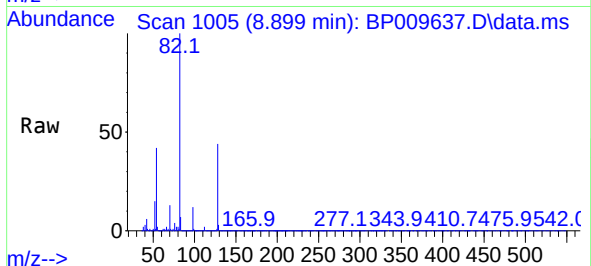
Tgt Ion:136 Resp: 1071938
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.6 5.8 8.8
68 6.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 69.780 ng
RT: 8.899 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

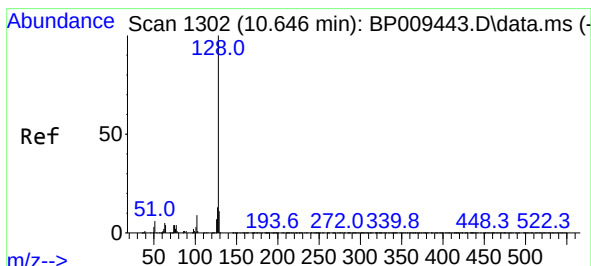
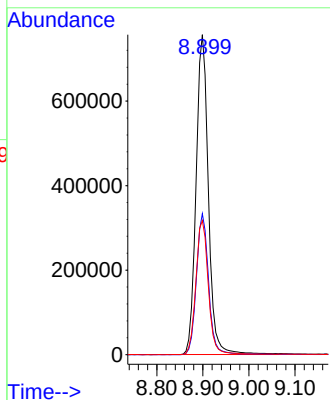
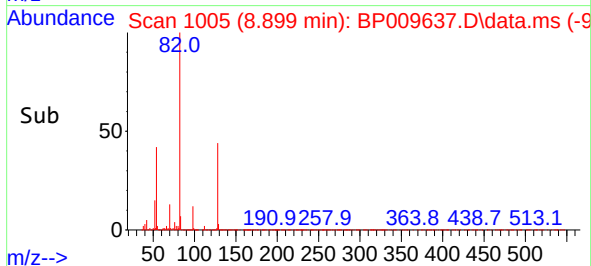
Instrument :
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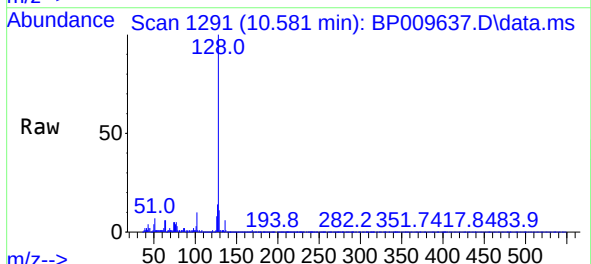
Tgt Ion: 82 Resp: 1407580
Ion Ratio Lower Upper
82 100
128 44.1 34.2 51.4
54 41.9 34.7 52.1

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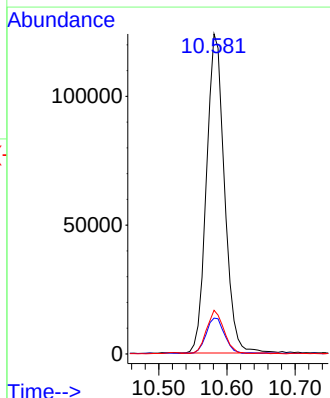
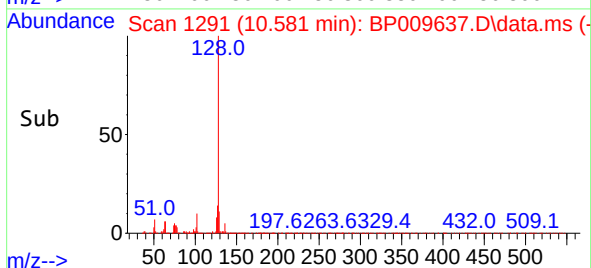
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022

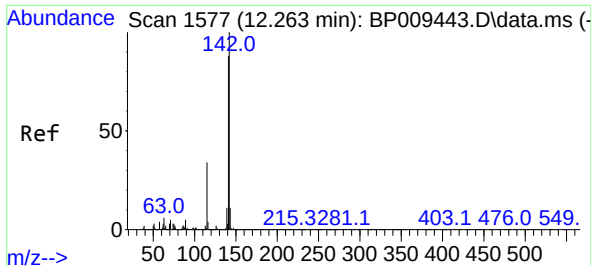


#31
Naphthalene
Concen: 4.115 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53



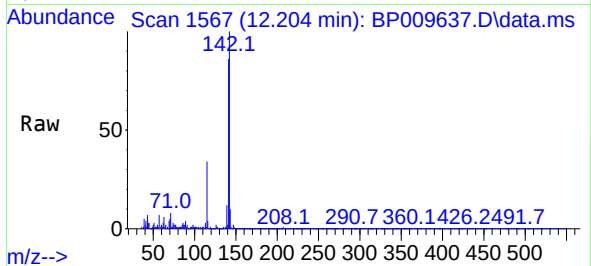
Tgt Ion:128 Resp: 227223
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.7 10.5 15.7





#37
2-Methylnaphthalene
Concen: 3.228 ng
RT: 12.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

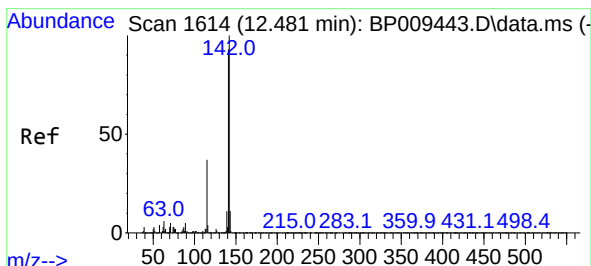
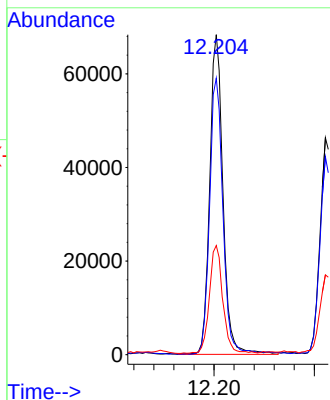
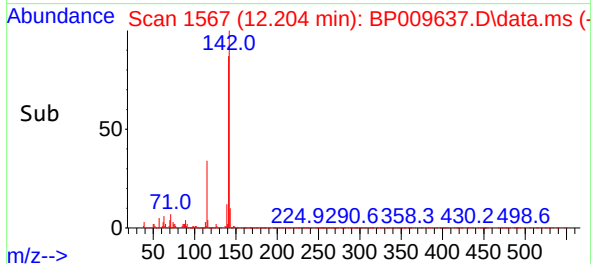
Instrument :
BNA_P
ClientSampleId :
22L076-ERE



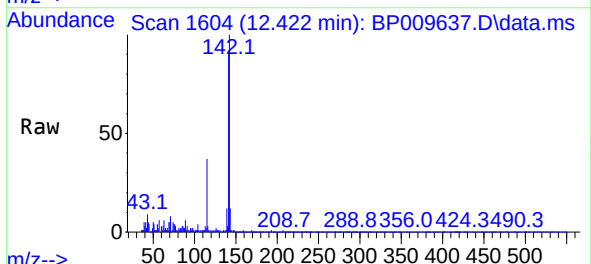
Tgt Ion:142 Resp: 125052
Ion Ratio Lower Upper
142 100
141 86.4 70.2 105.4
115 34.1 27.4 41.2

Manual Integrations
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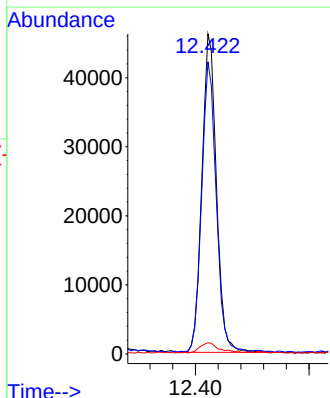
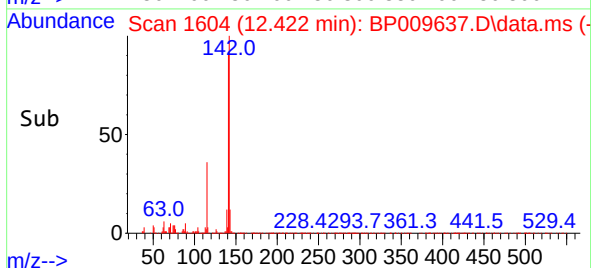
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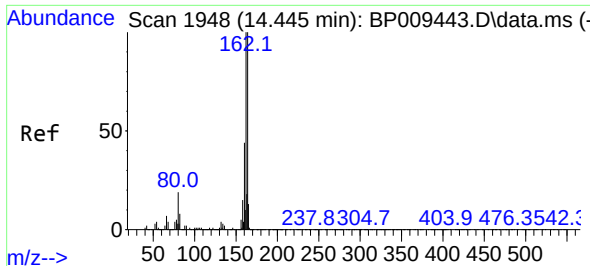


#38
1-Methylnaphthalene
Concen: 2.170 ng
RT: 12.422 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53



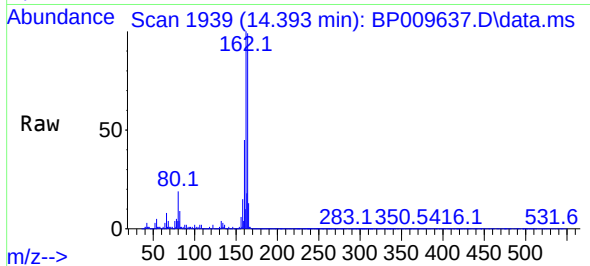
Tgt Ion:142 Resp: 81895
Ion Ratio Lower Upper
142 100
141 91.3 73.5 110.3
116 3.5 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

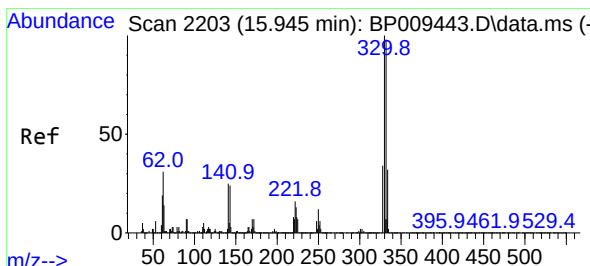
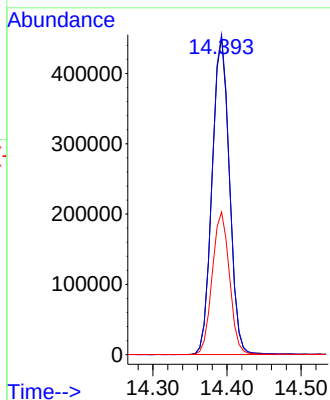
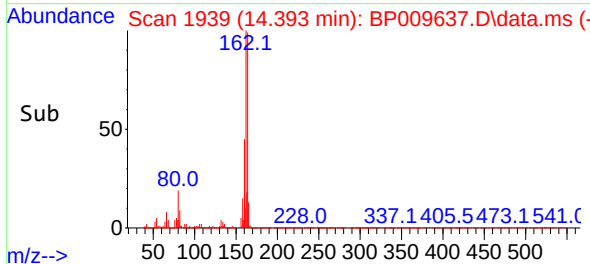
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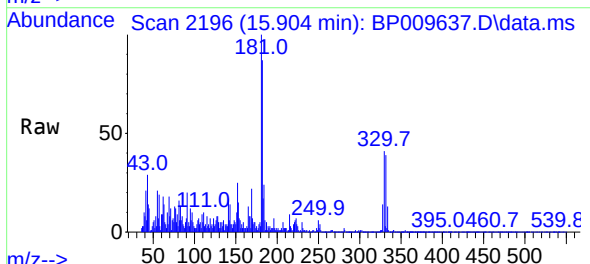
Tgt Ion:164 Resp: 730439
Ion Ratio Lower Upper
164 100
162 101.1 79.1 118.7
160 45.1 34.9 52.3

Manual Integrations
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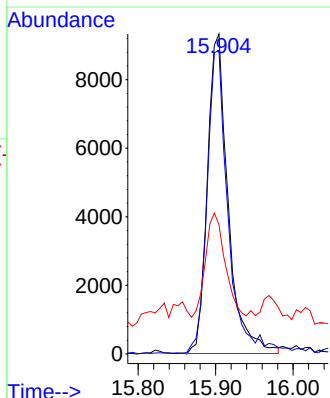
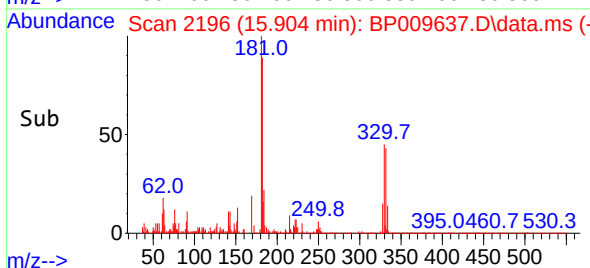
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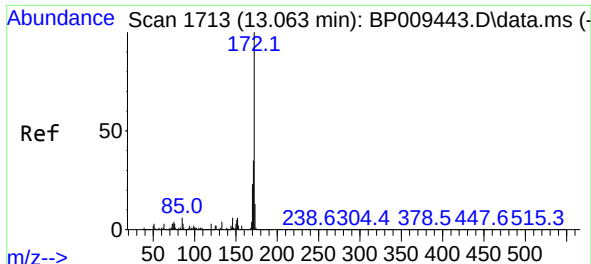


#42
2,4,6-Tribromophenol
Concen: 1.441 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53



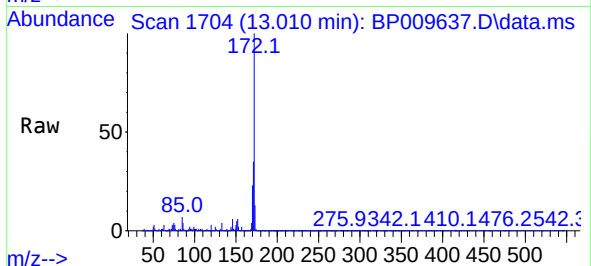
Tgt Ion:330 Resp: 17374
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 33.6 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 62.335 ng
RT: 13.010 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

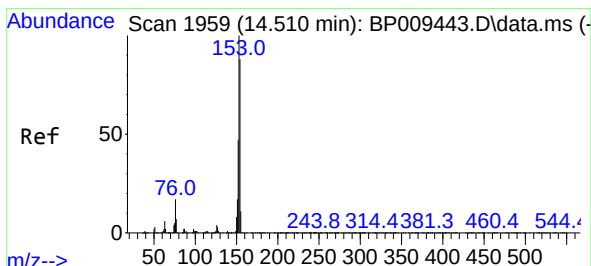
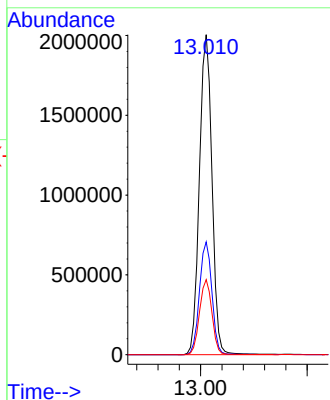
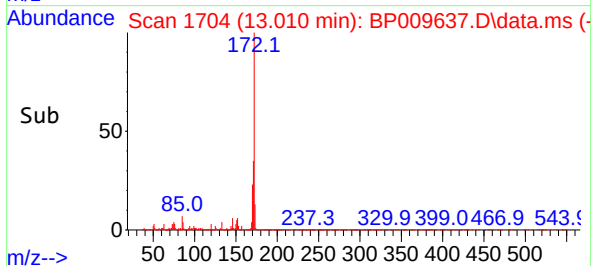
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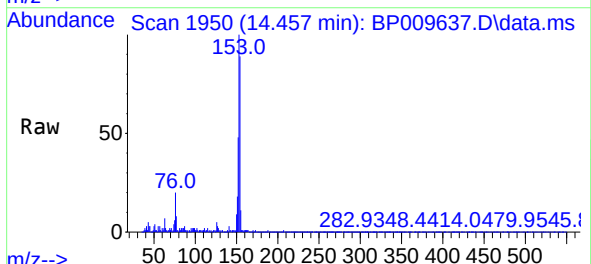
Tgt Ion:172 Resp: 328441
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.5 18.6 27.8

Manual Integrations
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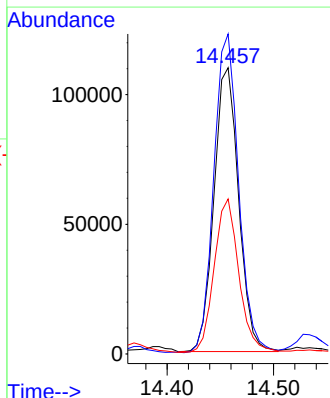
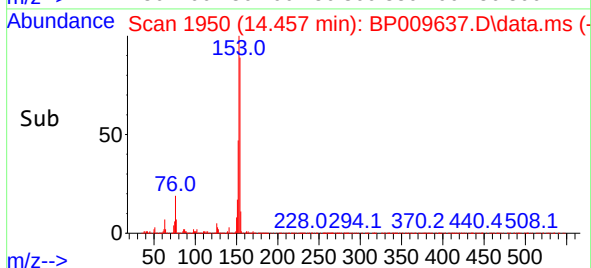
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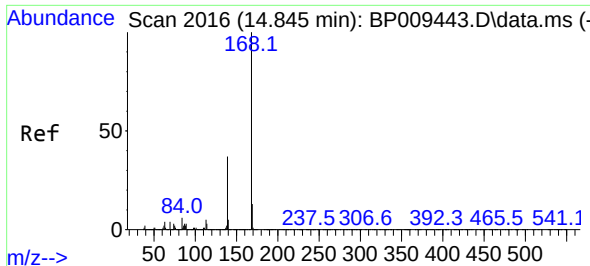


#52
Acenaphthene
Concen: 4.442 ng
RT: 14.457 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53



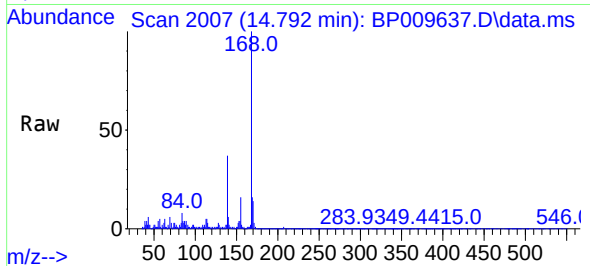
Tgt Ion:154 Resp: 175733
Ion Ratio Lower Upper
154 100
153 111.8 90.2 135.4
152 54.2 42.7 64.1





#55
Dibenzenofuran
Concen: 2.716 ng
RT: 14.792 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

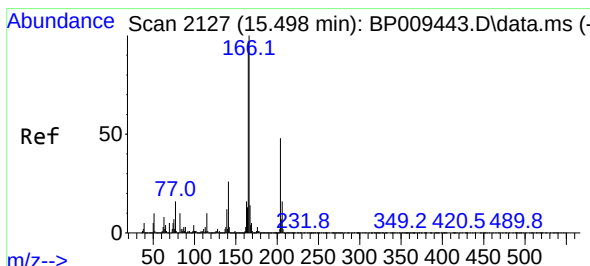
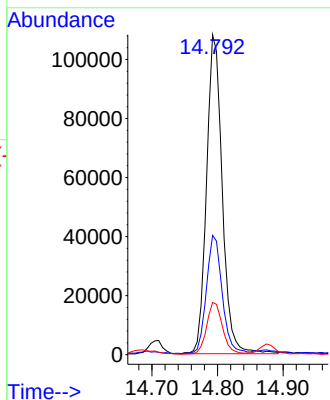
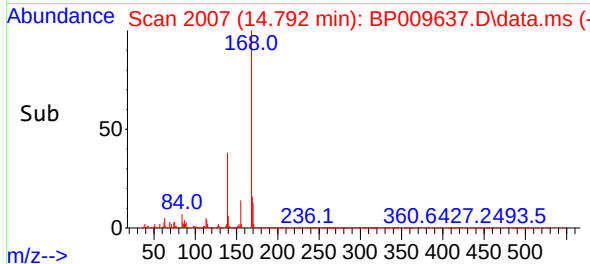
Instrument :
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Tgt Ion:168 Resp: 180510
Ion Ratio Lower Upper
168 100
139 37.3 29.1 43.7
169 16.3 10.6 16.0

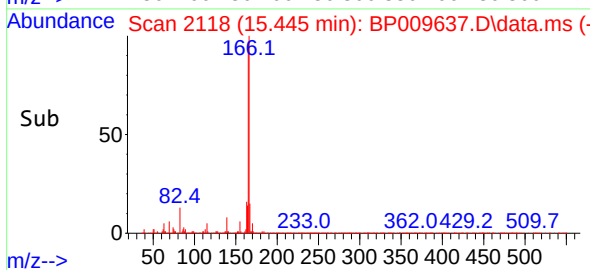
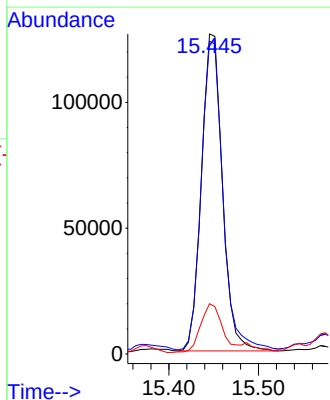
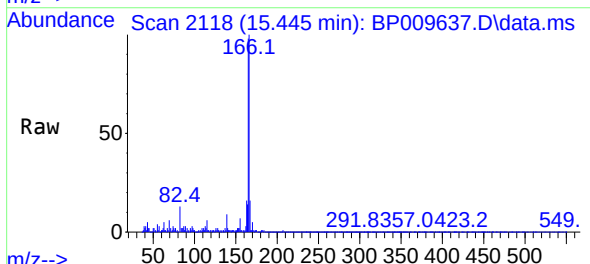
Manual Integrations
APPROVED

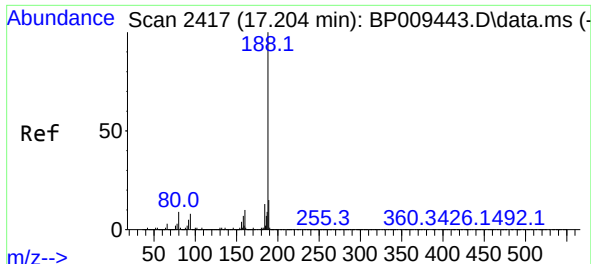
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#58
Fluorene
Concen: 3.909 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:166 Resp: 204350
Ion Ratio Lower Upper
166 100
165 97.7 79.2 118.8
167 15.7 10.7 16.1





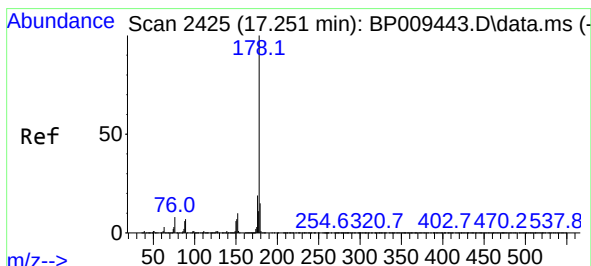
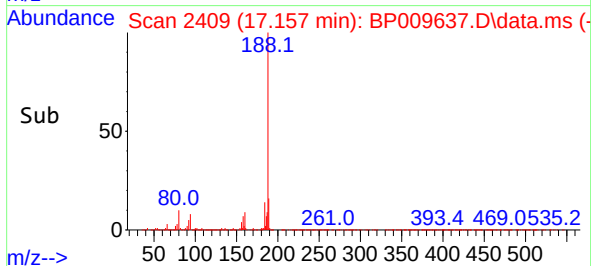
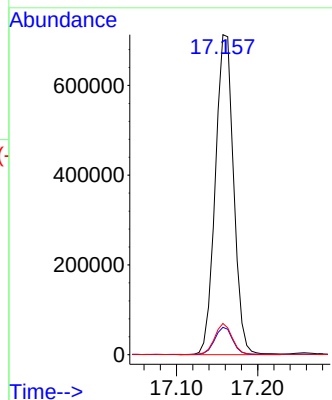
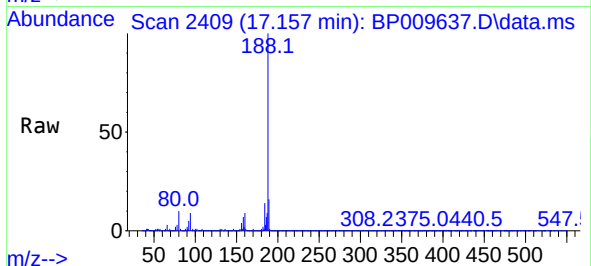
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Instrument :
BNA_P
ClientSampleId :
22L076-ERE

Tgt Ion:188 Resp: 1117029
Ion Ratio Lower Upper
188 100
94 8.5 7.9 11.9
80 9.7 8.8 13.2

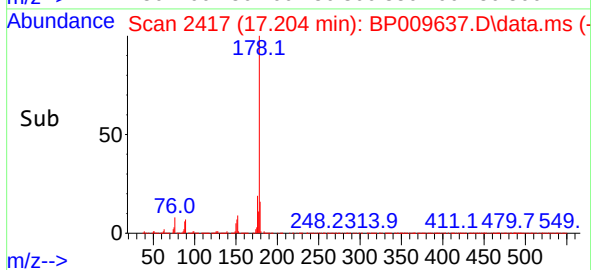
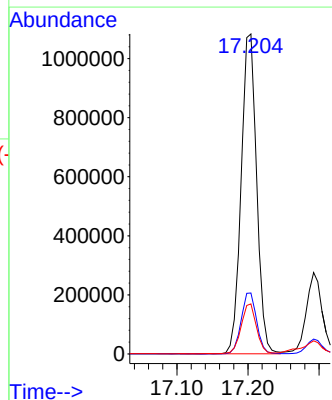
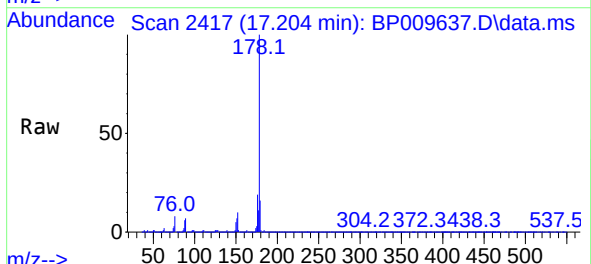
Manual Integrations
APPROVED

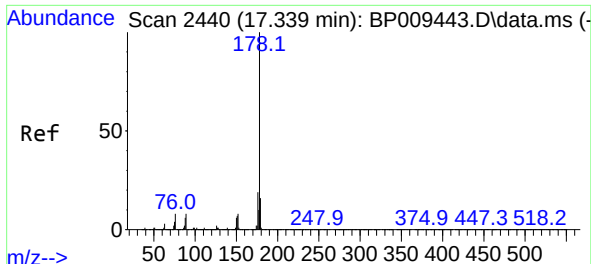
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#71
Phenanthrene
Concen: 27.532 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

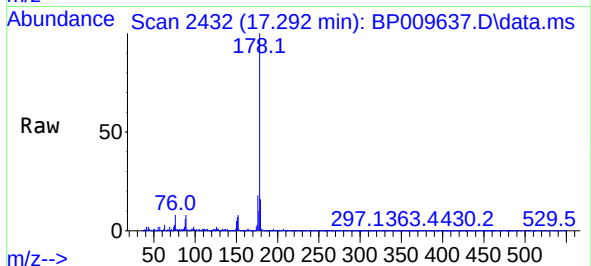
Tgt Ion:178 Resp: 1646293
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.3 18.5





#72
 Anthracene
 Concen: 6.944 ng
 RT: 17.292 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009637.D
 Acq: 31 Mar 2022 13:53

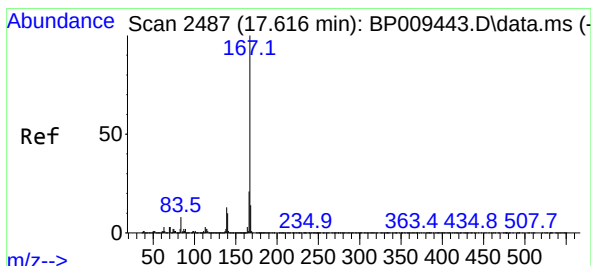
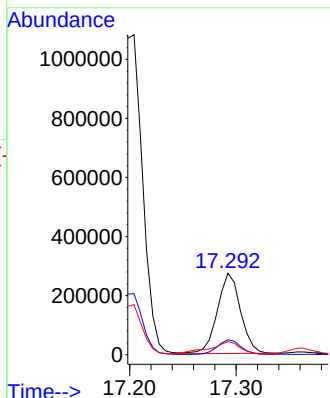
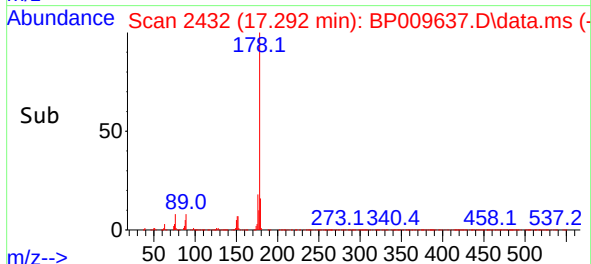
Instrument :
 BNA_P
 ClientSampleId :
 22L076-ERE



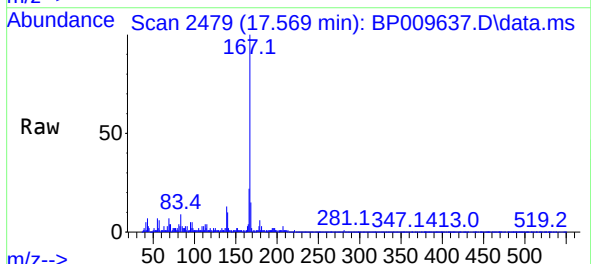
Tgt Ion:178 Resp: 40994
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 16.1 12.2 18.4

Manual Integrations
 APPROVED

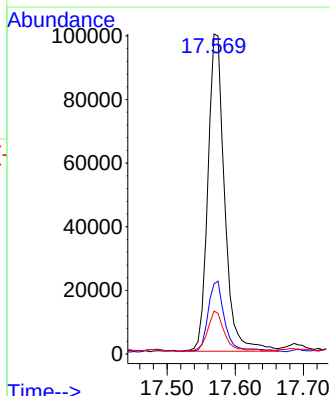
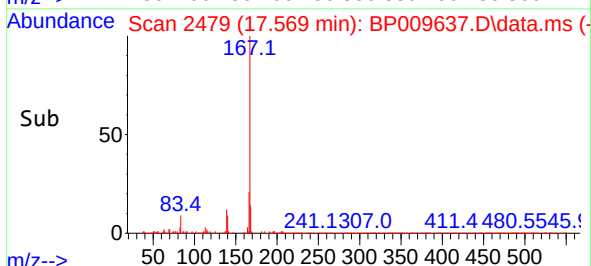
Reviewed By :Christian Giraldo 04/01/2022
 Supervised By :Jagrut Upadhyay 04/01/2022

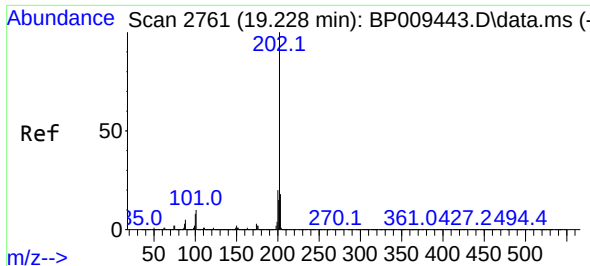


#73
 Carbazole
 Concen: 2.949 ng
 RT: 17.569 min Scan# 2479
 Delta R.T. 0.000 min
 Lab File: BP009637.D
 Acq: 31 Mar 2022 13:53



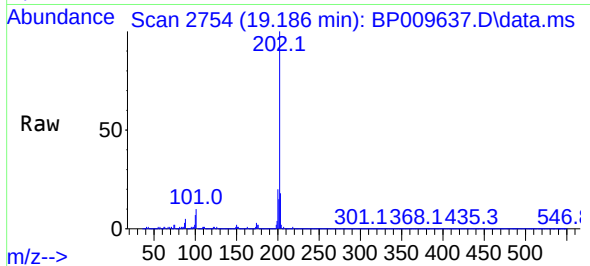
Tgt Ion:167 Resp: 170256
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.2 25.8
 139 13.4 10.3 15.5





#75
Fluoranthene
Concen: 27.325 ng
RT: 19.186 min Scan# 2110
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

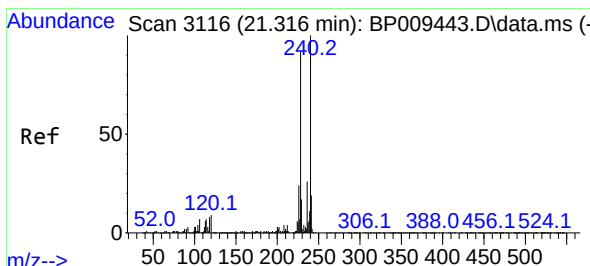
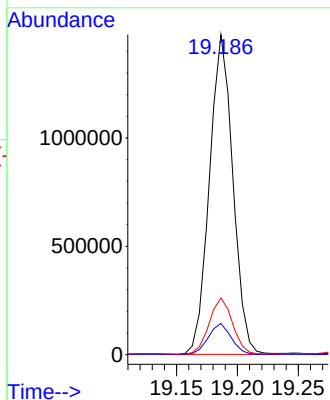
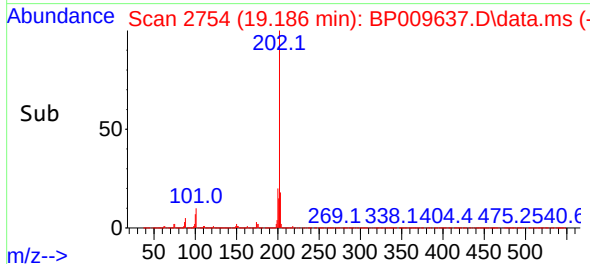
Instrument :
BNA_P
ClientSampleId :
22L076-ERE



Tgt Ion:202 Resp: 1978070
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.5
203 17.7 0.0 37.8

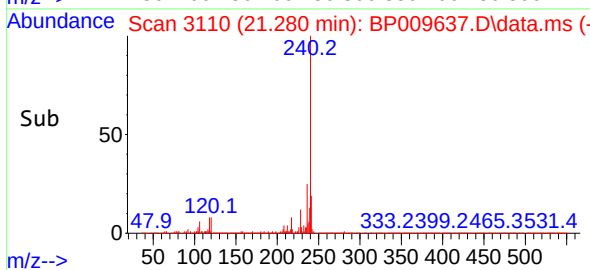
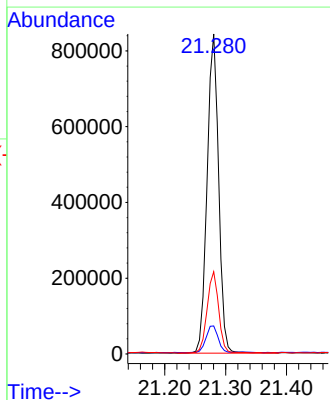
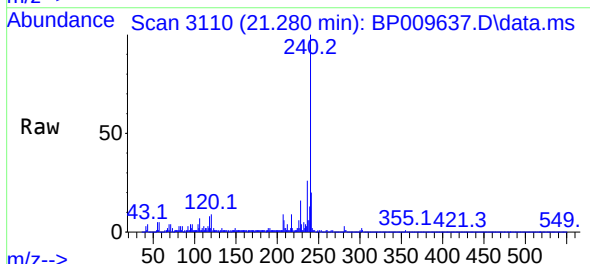
Manual Integrations
APPROVED

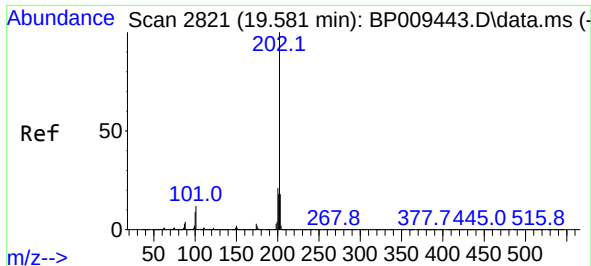
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

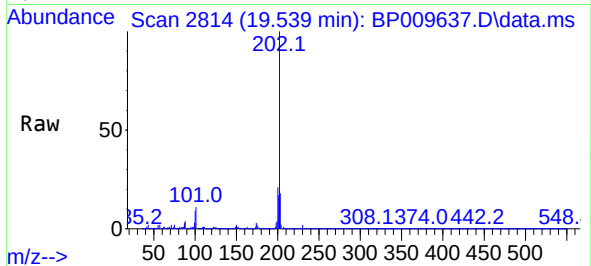
Tgt Ion:240 Resp: 1108001
Ion Ratio Lower Upper
240 100
120 8.7 9.0 13.4#
236 25.7 20.6 30.8





#78
Pyrene
Concen: 23.862 ng
RT: 19.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

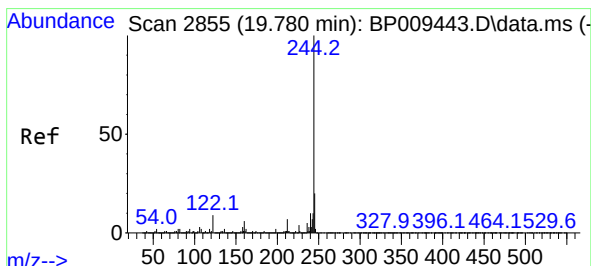
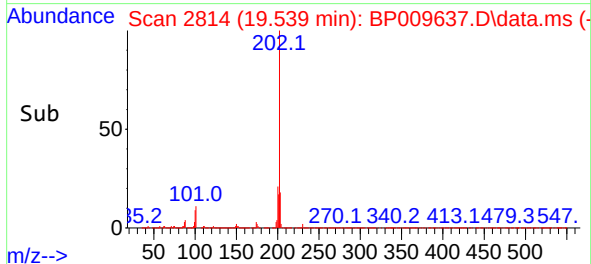
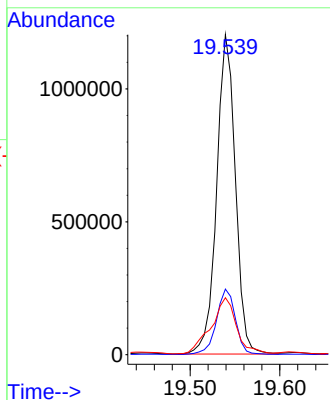
Instrument :
BNA_P
ClientSampleId :
22L076-ERE



Tgt Ion:202 Resp: 1742249
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.8 14.2 21.4

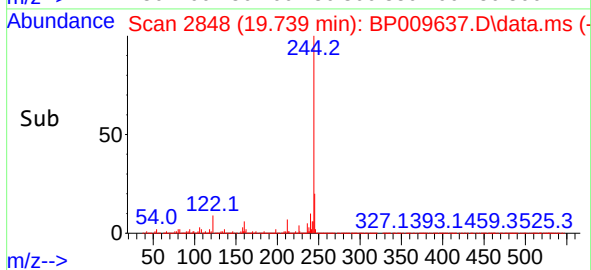
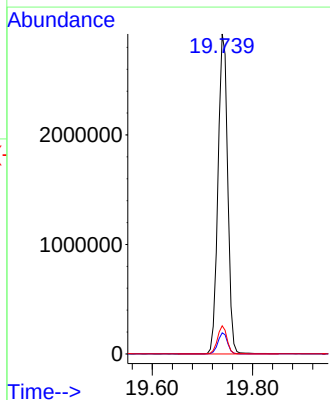
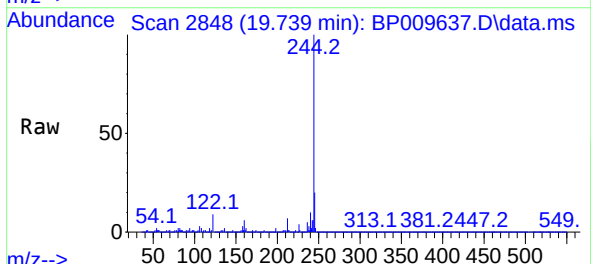
Manual Integrations
APPROVED

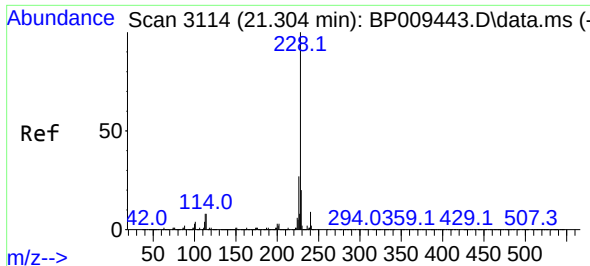
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#79
Terphenyl-d14
Concen: 63.107 ng
RT: 19.739 min Scan# 2848
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

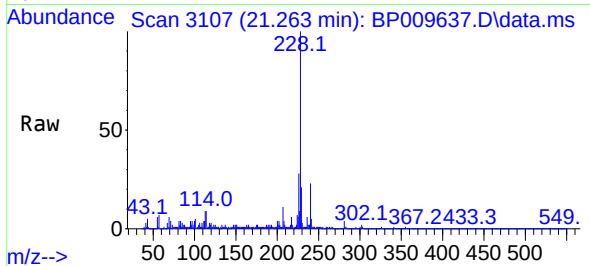
Tgt Ion:244 Resp: 3895671
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 8.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 12.656 ng
RT: 21.263 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

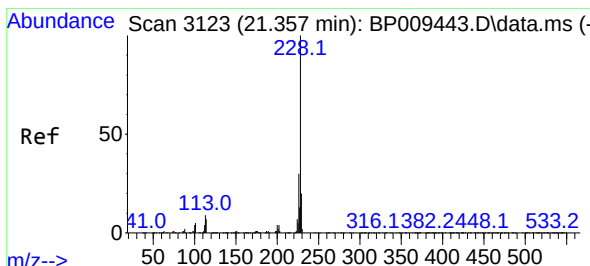
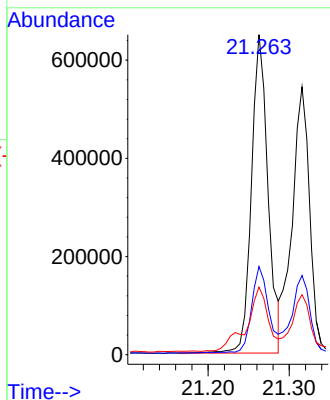
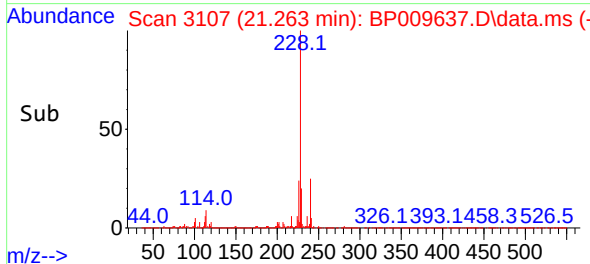
Instrument :
BNA_P
ClientSampleId :
22L076-ERE



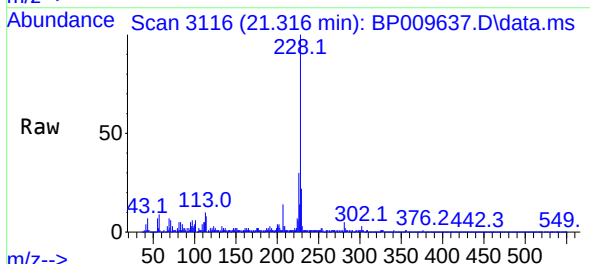
Tgt Ion:228 Resp: 92128
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 21.1 16.1 24.1

Manual Integrations
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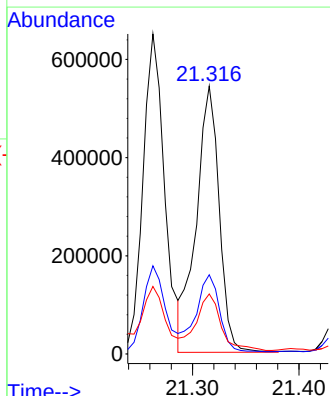
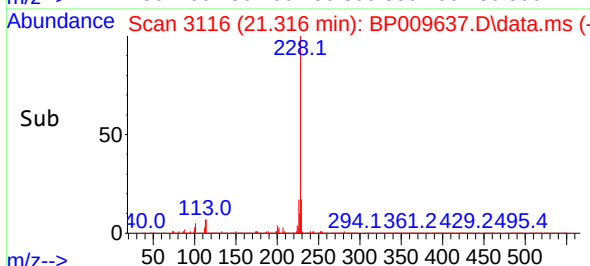
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022

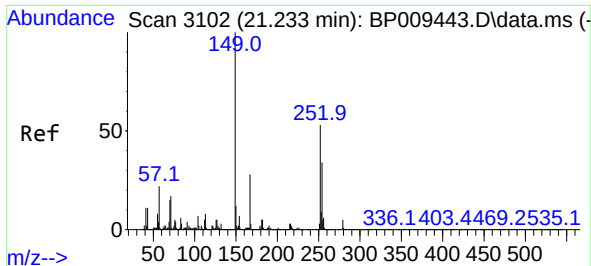


#83
Chrysene
Concen: 11.827 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53



Tgt Ion:228 Resp: 815228
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 22.4 16.1 24.1





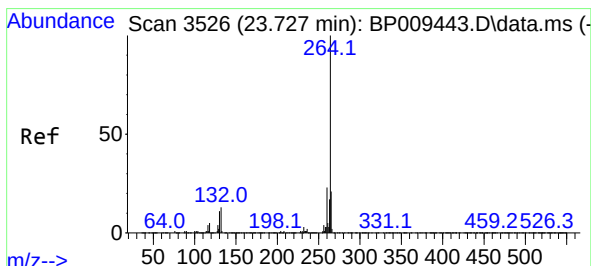
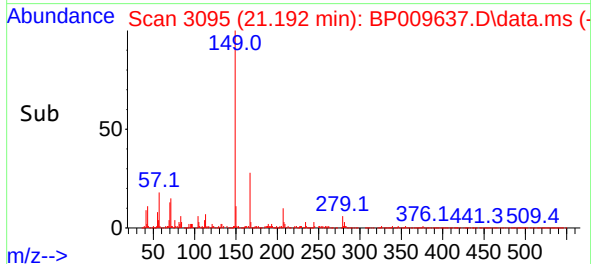
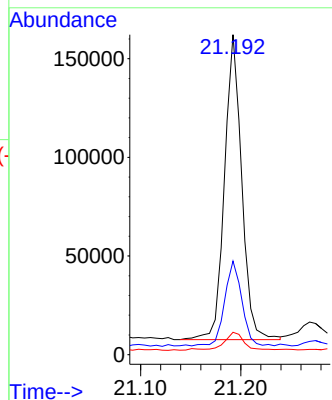
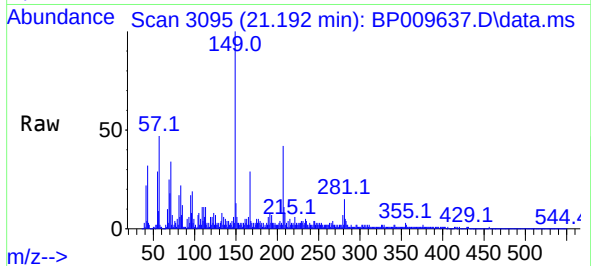
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.248 ng
RT: 21.192 min Scan# 3095
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Instrument :
BNA_P
ClientSampleId :
22L076-ERE

Tgt Ion:149 Resp: 183762
Ion Ratio Lower Upper
149 100
167 29.3 22.6 33.8
279 7.0 3.8 5.6

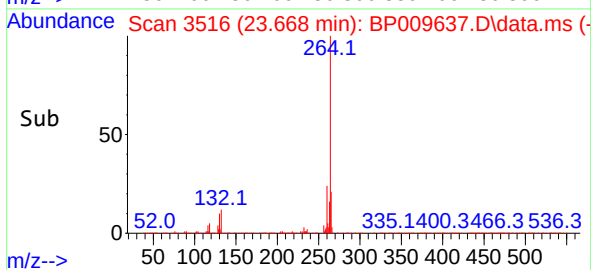
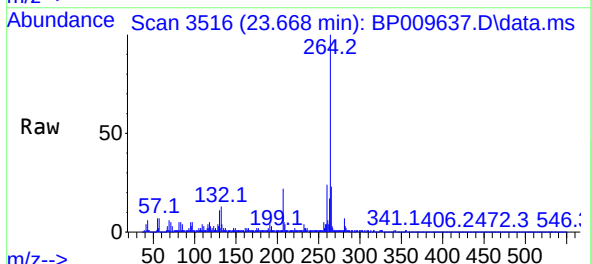
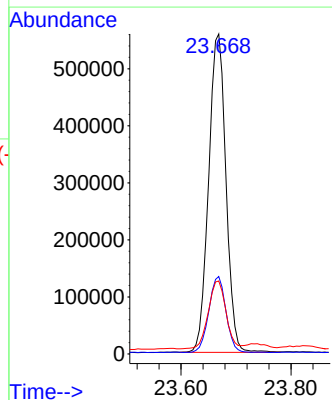
Manual Integrations
APPROVED

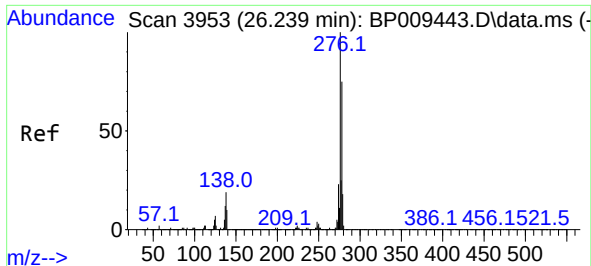
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.668 min Scan# 3516
Delta R.T. 0.018 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

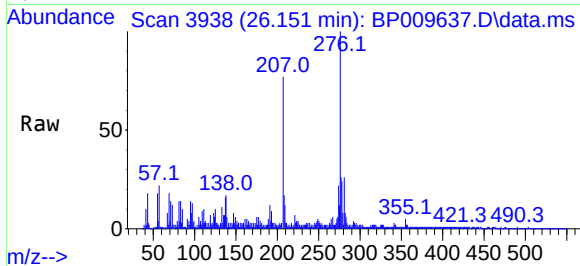
Tgt Ion:264 Resp: 1224123
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 22.8 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.470 ng
RT: 26.151 min Scan# 3938
Delta R.T. 0.012 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

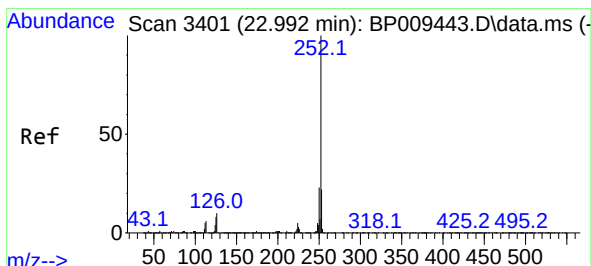
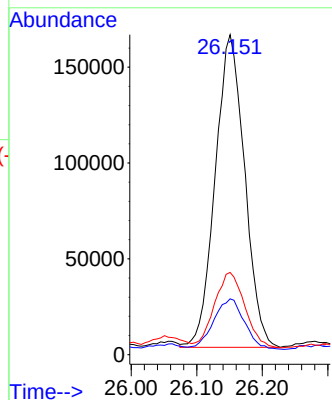
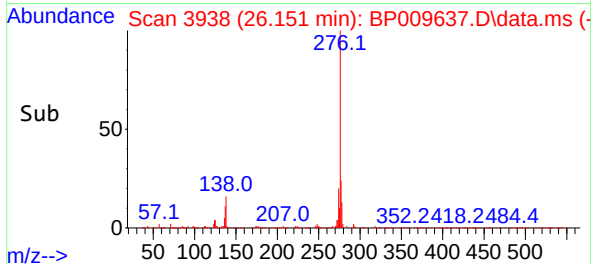
Instrument :
BNA_P
ClientSampleId :
22L076-ERE



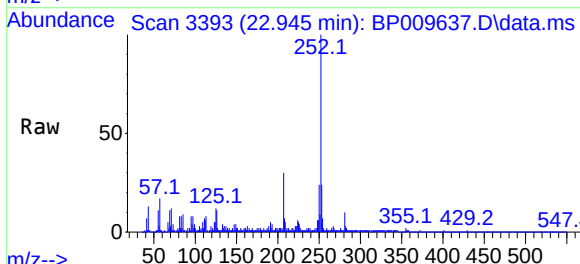
Tgt Ion:276 Resp: 50801
Ion Ratio Lower Upper
276 100
138 17.0 20.5 30.7
277 24.9 20.4 30.6

Manual Integrations
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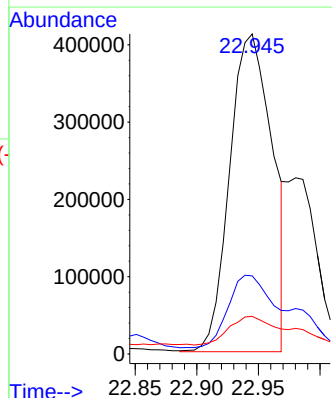
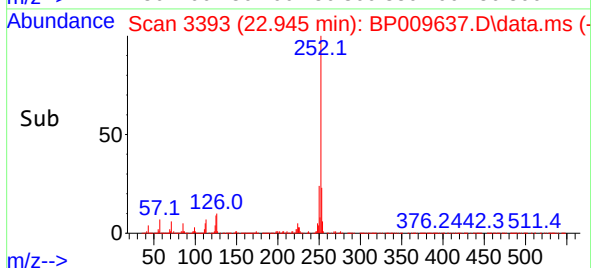
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022

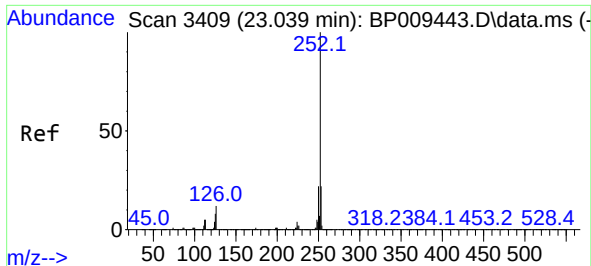


#88
Benzo(b)fluoranthene
Concen: 13.564 ng m
RT: 22.945 min Scan# 3393
Delta R.T. 0.018 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53



Tgt Ion:252 Resp: 991194
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 11.7 8.1 12.1





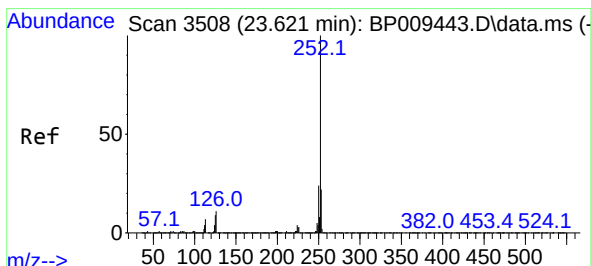
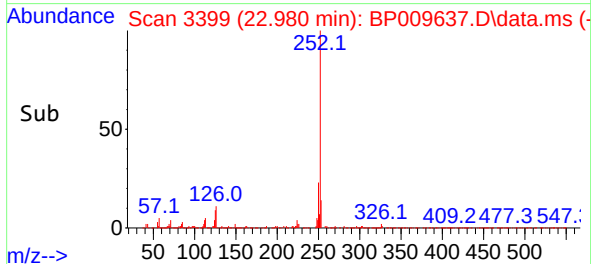
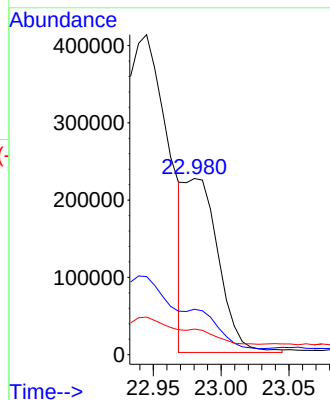
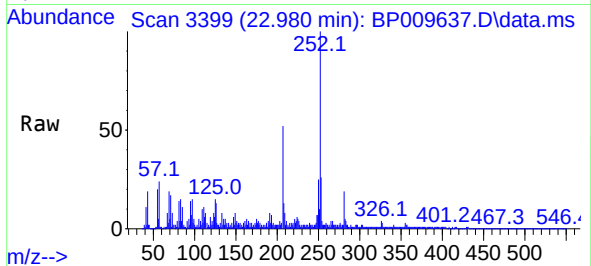
#89
Benzo(k)fluoranthene
Concen: 5.506 ng m
RT: 22.980 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Instrument :
BNA_P
ClientSampleId :
22L076-ERE

Tgt Ion:252 Resp: 393924
Ion Ratio Lower Upper
252 100
253 25.8 17.5 26.3
125 14.6 8.3 12.5

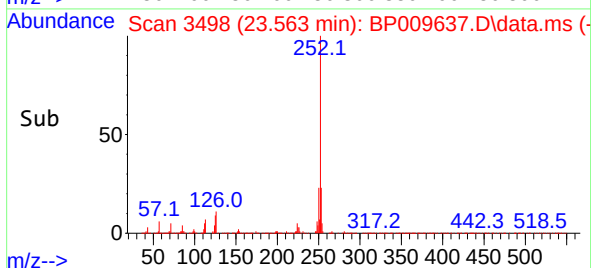
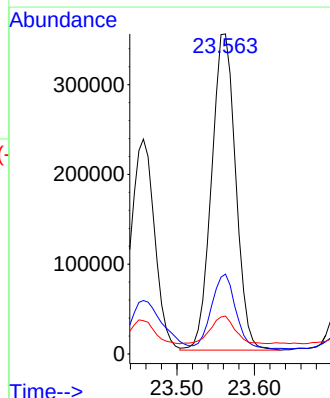
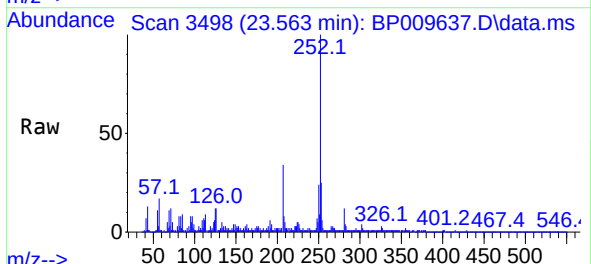
Manual Integrations
APPROVED

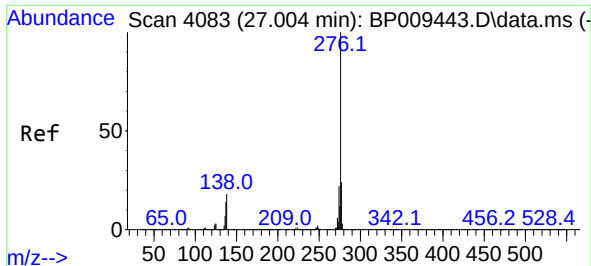
Reviewed By :Christian Giraldo 04/01/2022
Supervised By :Jagrut Upadhyay 04/01/2022



#90
Benzo(a)pyrene
Concen: 12.221 ng
RT: 23.563 min Scan# 3498
Delta R.T. 0.012 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

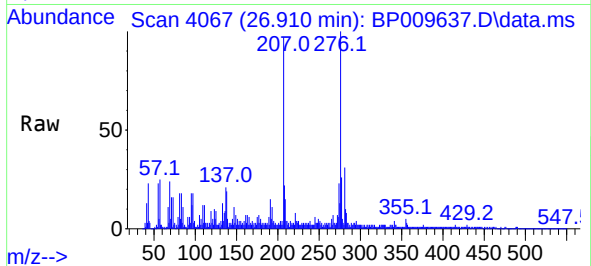
Tgt Ion:252 Resp: 764081
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 11.9 9.3 13.9





#92
Benzo(g,h,i)perylene
Concen: 7.729 ng
RT: 26.910 min Scan# 4083
Delta R.T. 0.012 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Instrument :
BNA_P
ClientSampleId :
22L076-ERE



Tgt Ion: 276 Resp: 588540
Ion Ratio Lower Upper
276 100
277 25.7 19.2 28.8
138 19.3 18.0 27.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/01/2022
Supervised By : Jagrut Upadhyay 04/01/2022

