

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
 Data File : BF128067.D
 Acq On : 04 May 2022 13:00
 Operator : CG\JU
 Sample : N2659-04RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-DRE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/05/2022
 Supervised By : Jagrut Upadhyay 05/05/2022

Quant Time: May 05 06:02:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	85025	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	334554	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	182293	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	288021	20.000	ng	0.00
76) Chrysene-d12	14.098	240	195531	20.000	ng	0.00
86) Perylene-d12	15.610	264	184951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	30272	5.671	ng	0.00
7) Phenol-d6	6.540	99	340203	49.115	ng	-0.01
23) Nitrobenzene-d5	7.481	82	517104	72.683	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	2053	1.119	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	856353	79.473	ng	0.00
79) Terphenyl-d14	13.039	244	732154	68.469	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.216	128	47877	2.810	ng	99
37) 2-Methylnaphthalene	8.910	142	52527	4.664	ng	96
52) Acenaphthene	9.986	154	28723	2.717	ng	97
55) Dibenzofuran	10.163	168	37592	2.465	ng	97
58) Fluorene	10.504	166	33231	2.920	ng	95
71) Phenanthrene	11.475	178	288217	19.117	ng	100
72) Anthracene	11.527	178	68671	4.572	ng	99
75) Fluoranthene	12.669	202	263200	16.587	ng	96
78) Pyrene	12.898	202	244138	15.467	ng	98
81) Benzo(a)anthracene	14.086	228	120492	9.245	ng	99
83) Chrysene	14.121	228	100391	8.066	ng	97
87) Indeno(1,2,3-cd)pyrene	17.139	276	37586	3.045	ng	93
88) Benzo(b)fluoranthene	15.157	252	111739m	9.619	ng	
89) Benzo(k)fluoranthene	15.186	252	42427m	3.625	ng	
90) Benzo(a)pyrene	15.539	252	80317	8.335	ng	95
92) Benzo(g,h,i)perylene	17.609	276	35855	3.436	ng	96

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

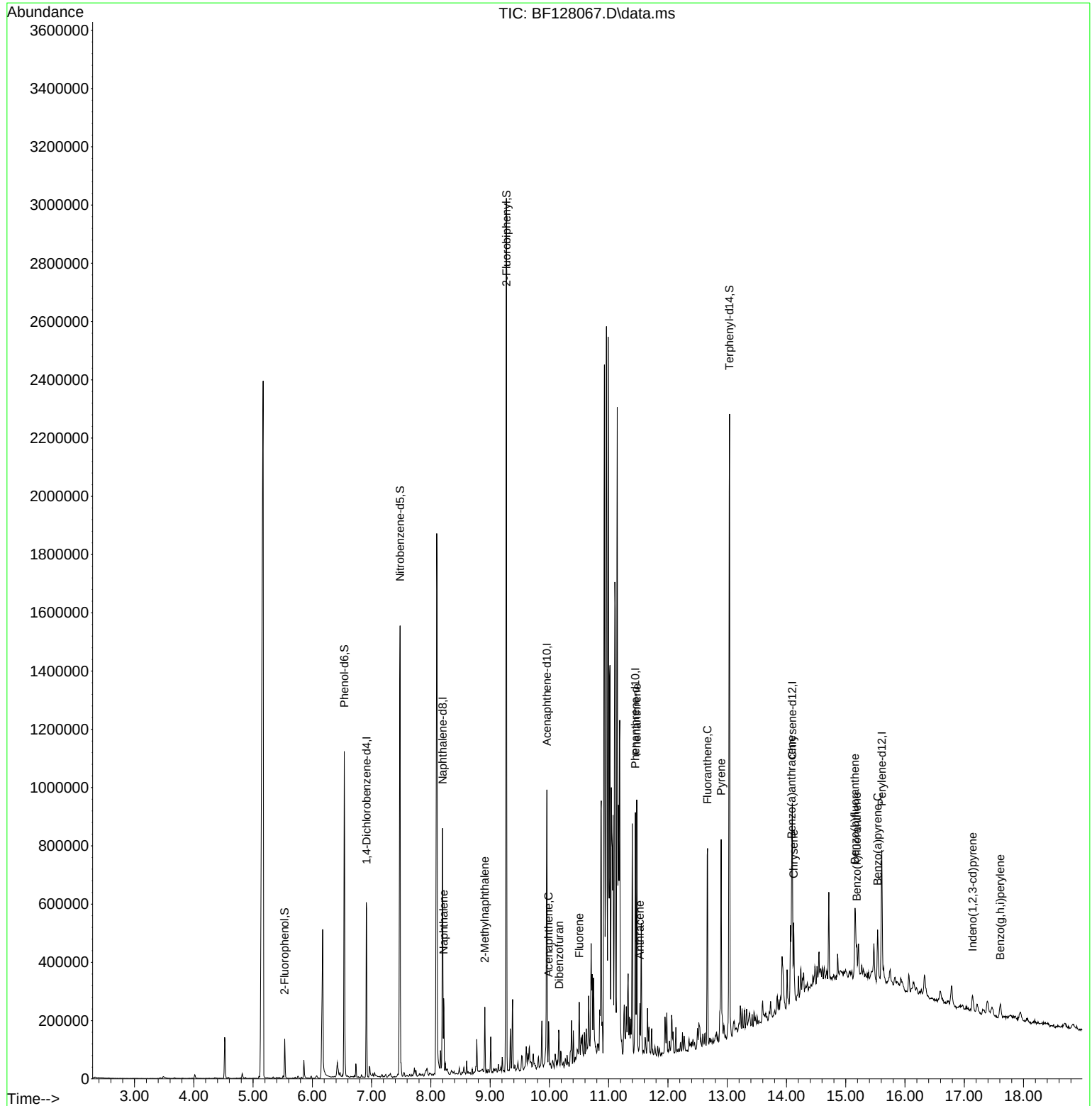
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
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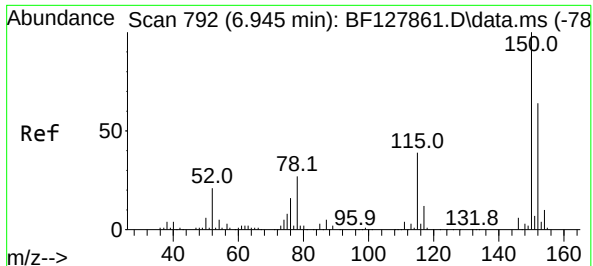
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22L097-DRE

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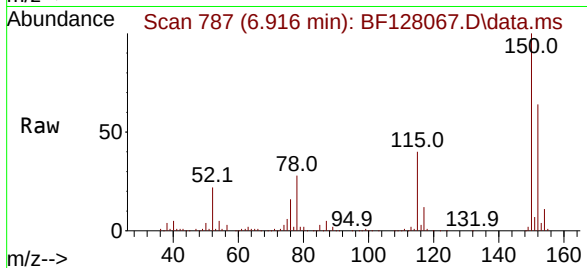
Reviewed By : Christian Giraldo 05/05/2022
Supervised By : Jagrut Upadhyay 05/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

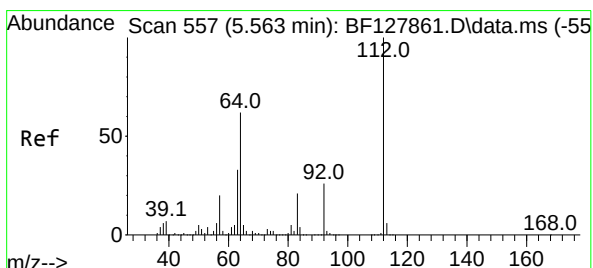
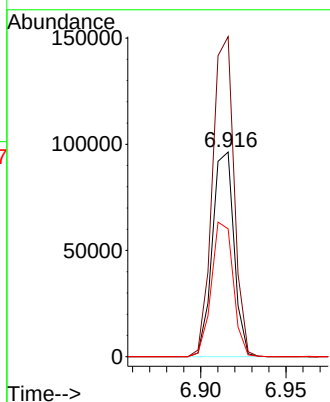
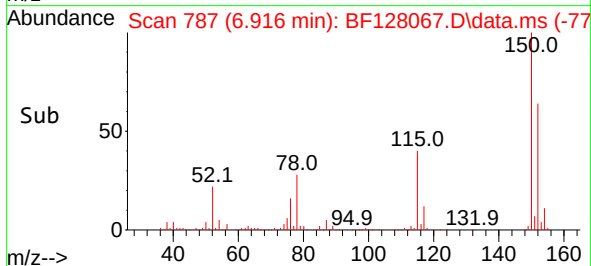
Instrument :
BNA_F
ClientSampleId :
22L097-DRE



Tgt Ion:152 Resp: 8502
Ion Ratio Lower Upper
152 100
150 156.4 125.3 187.9
115 62.5 48.8 73.2

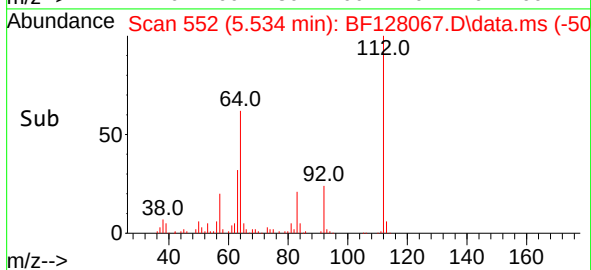
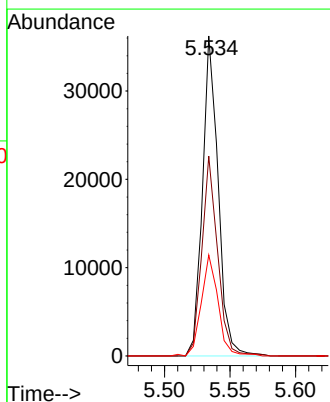
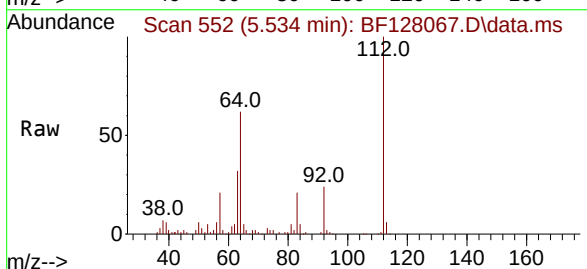
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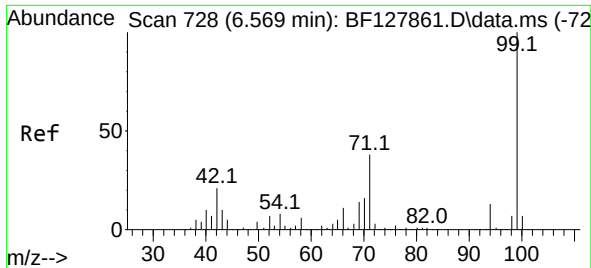
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#5
2-Fluorophenol
Concen: 5.671 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

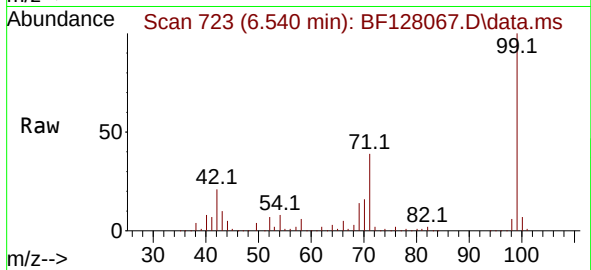
Tgt Ion:112 Resp: 30272
Ion Ratio Lower Upper
112 100
64 62.4 49.5 74.3
63 31.5 26.3 39.5





#7
Phenol-d6
Concen: 49.115 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

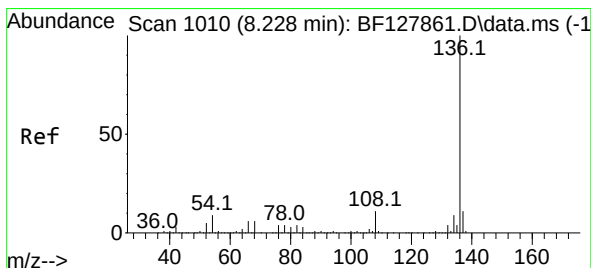
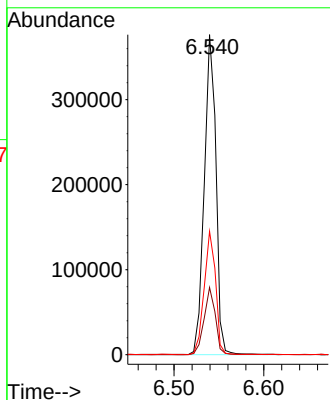
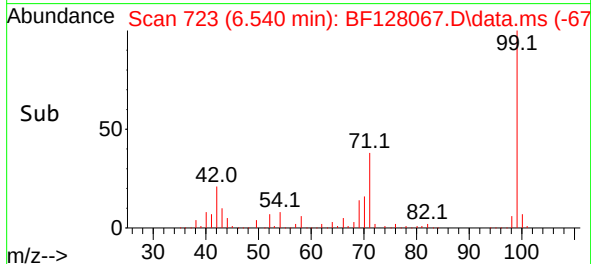
Instrument :
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ClientSampleId :
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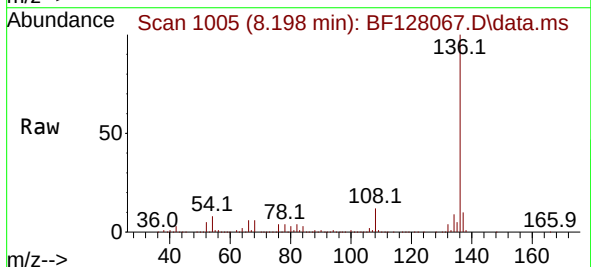
Tgt Ion: 99 Resp: 34020
Ion Ratio Lower Upper
99 100
42 21.0 16.6 24.8
71 38.6 30.0 45.0

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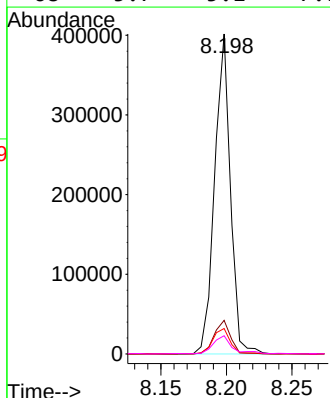
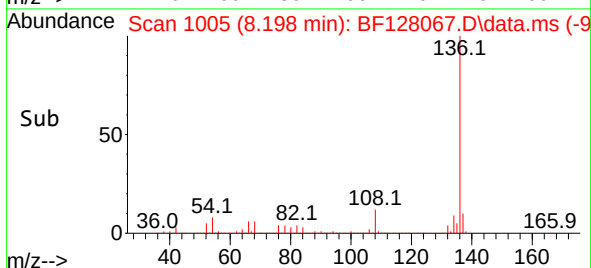
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

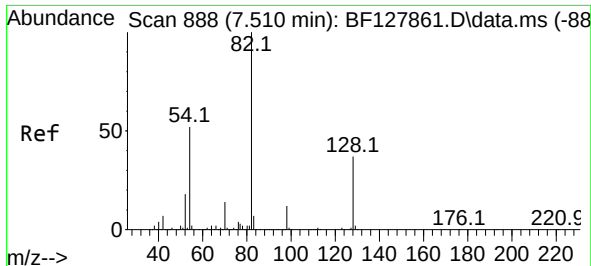


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



Tgt Ion:136 Resp: 334554
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.0 6.8 10.2
68 5.7 5.1 7.7





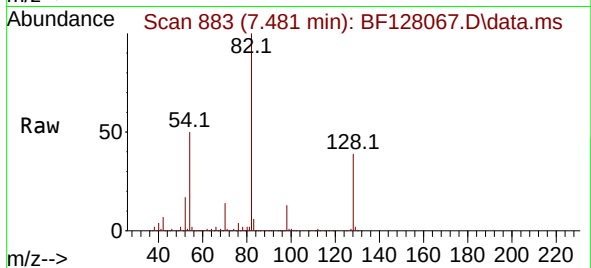
#23
Nitrobenzene-d5
Concen: 72.683 ng
RT: 7.481 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

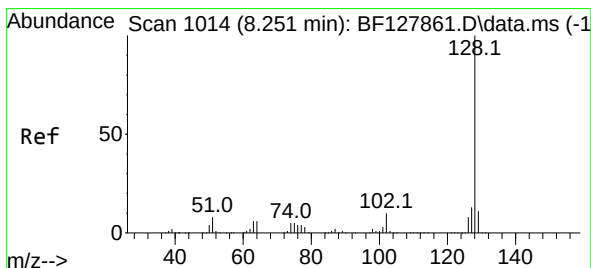
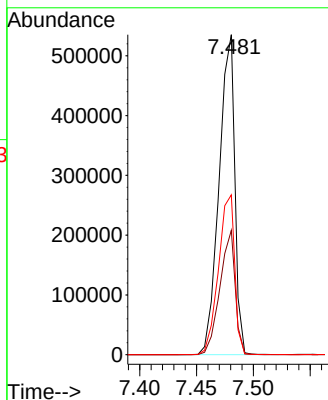
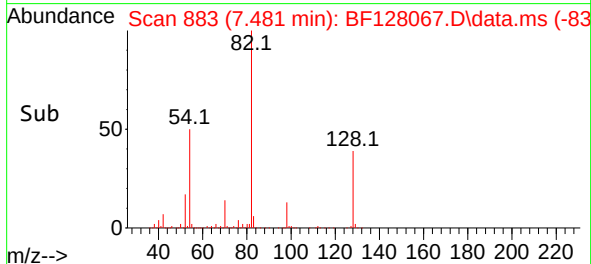
22L097-DRE



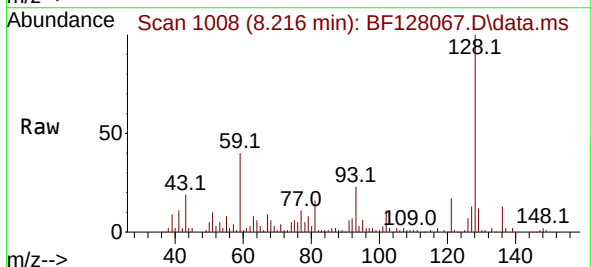
Tgt Ion: 82 Resp: 517104
Ion Ratio Lower Upper
82 100
128 38.9 30.0 45.0
54 50.0 41.3 61.9

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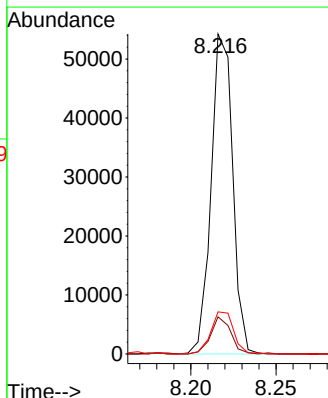
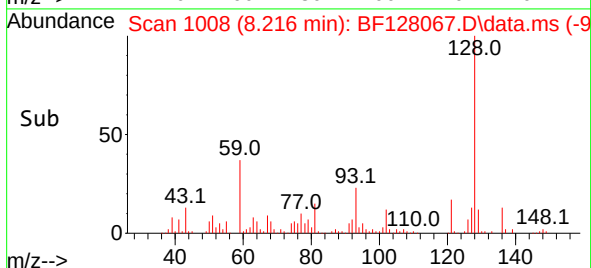
Reviewed By :Christian Giraldo 05/05/2022
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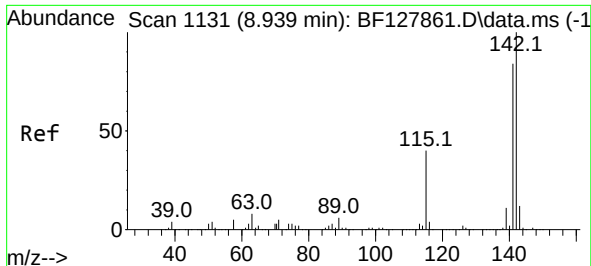


#31
Naphthalene
Concen: 2.810 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



Tgt Ion:128 Resp: 47877
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 13.2 10.6 16.0





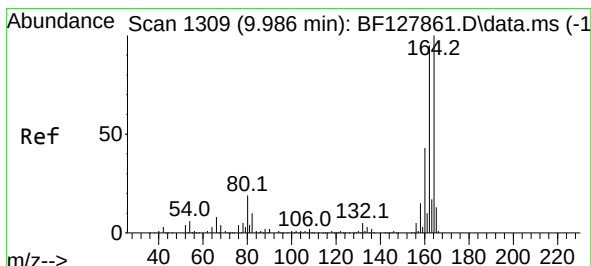
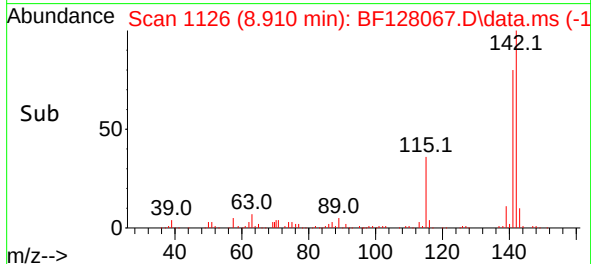
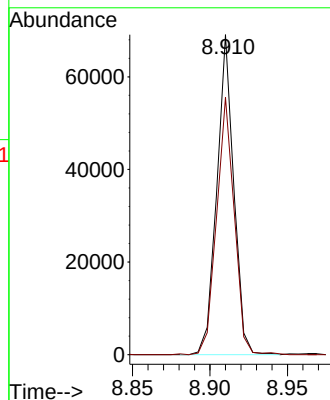
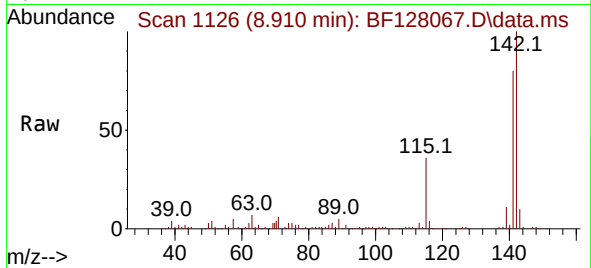
#37
2-Methylnaphthalene
Concen: 4.664 ng
RT: 8.910 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Instrument :
BNA_F
ClientSampleId :
22L097-DRE

Tgt Ion:142 Resp: 5252
Ion Ratio Lower Upper
142 100
141 80.4 67.4 101.2

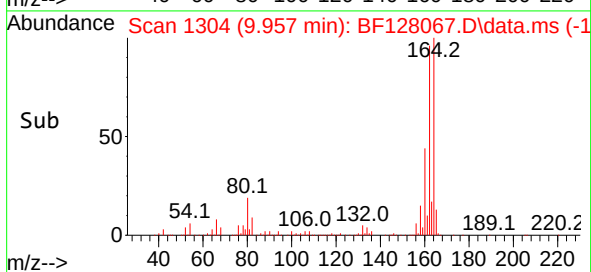
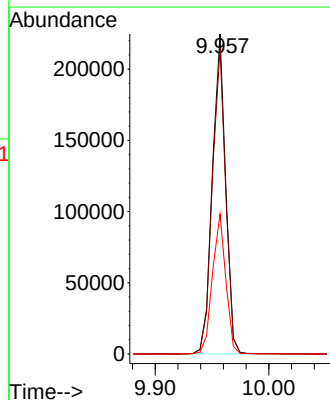
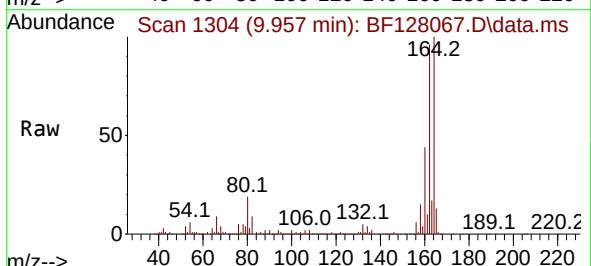
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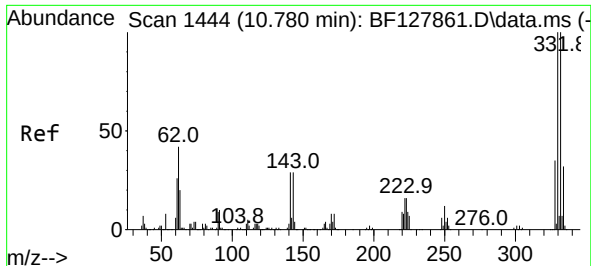
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:164 Resp: 182293
Ion Ratio Lower Upper
164 100
162 95.6 76.0 114.0
160 43.8 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 1.119 ng
RT: 10.745 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

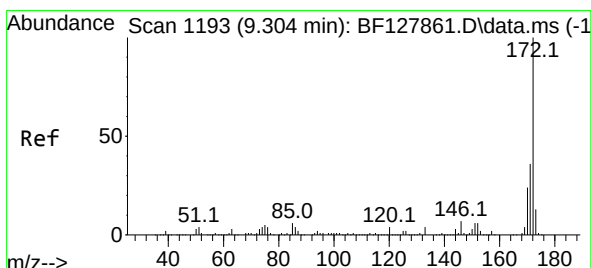
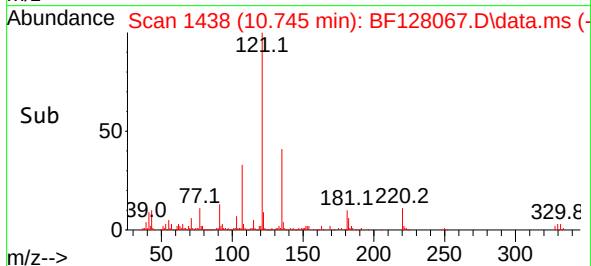
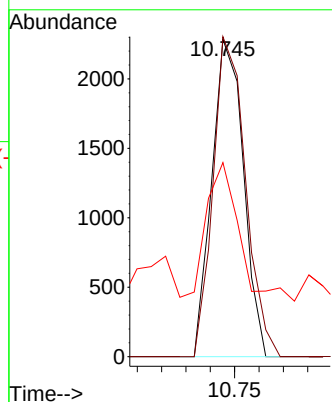
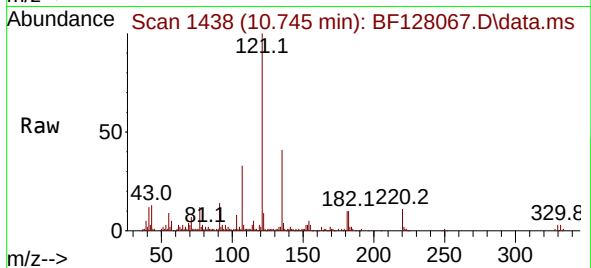
22L097-DRE

Tgt Ion: 330 Resp: 205
Ion Ratio Lower Upper
330 100
332 103.8 79.0 118.4
141 40.6 28.9 43.3

Manual Integrations

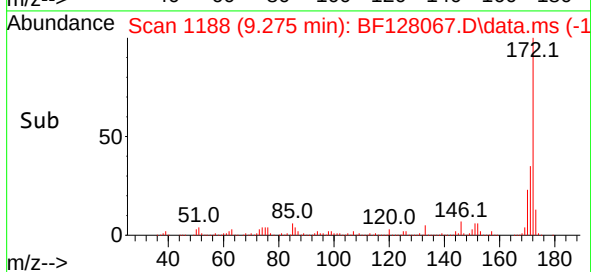
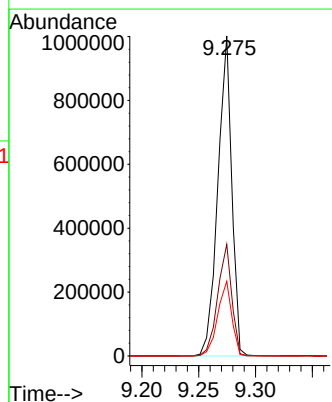
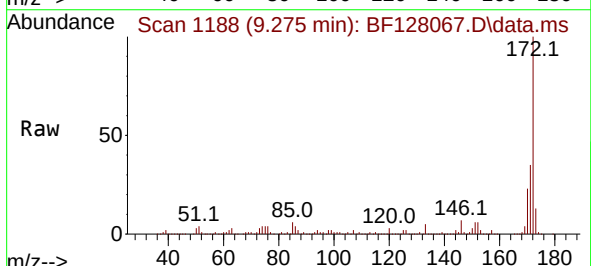
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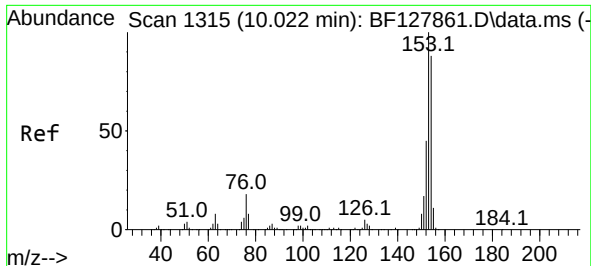
Reviewed By : Christian Giraldo 05/05/2022
Supervised By : Jagrut Upadhyay 05/05/2022



#45
2-Fluorobiphenyl
Concen: 79.473 ng
RT: 9.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

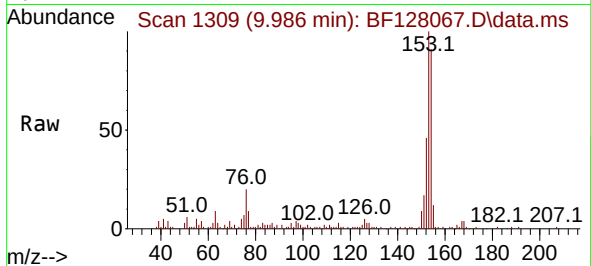
Tgt Ion: 172 Resp: 856353
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.4 19.1 28.7





#52
Acenaphthene
Concen: 2.717 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

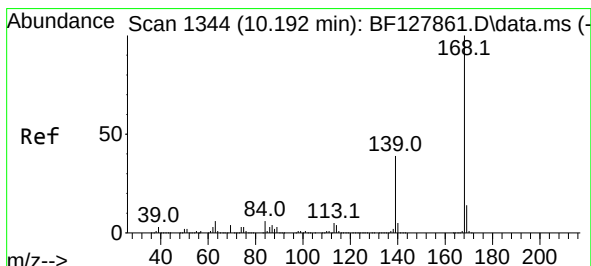
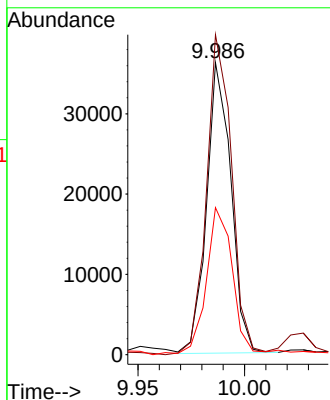
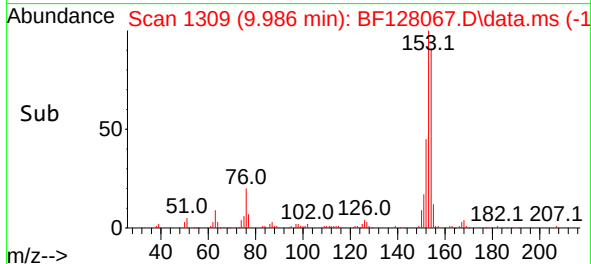
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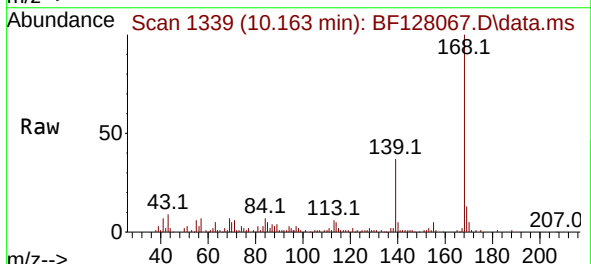
Tgt Ion:154 Resp: 2872
Ion Ratio Lower Upper
154 100
153 109.6 90.5 135.7
152 50.4 41.0 61.6

Manual Integrations
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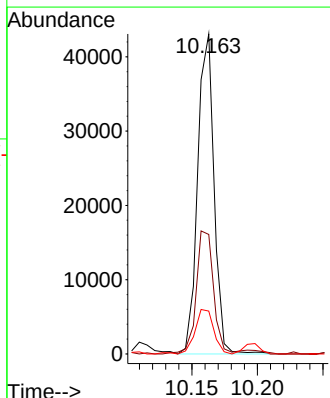
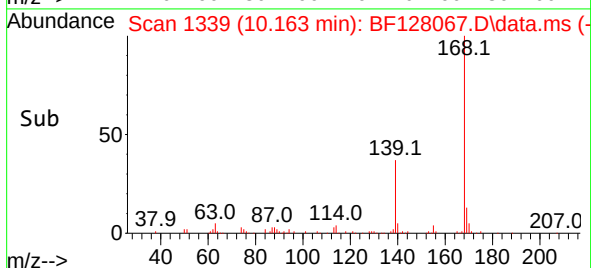
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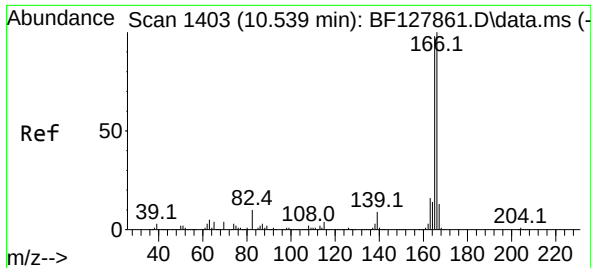


#55
Dibenzofuran
Concen: 2.465 ng
RT: 10.163 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



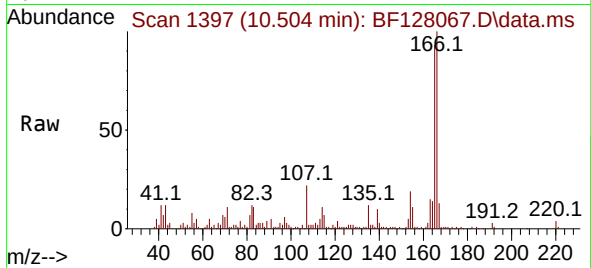
Tgt Ion:168 Resp: 37592
Ion Ratio Lower Upper
168 100
139 37.3 31.7 47.5
169 13.4 10.9 16.3





#58
Fluorene
Concen: 2.920 ng
RT: 10.504 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

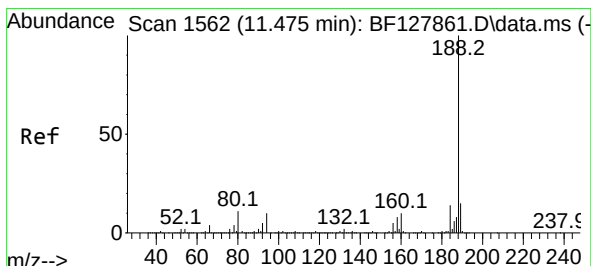
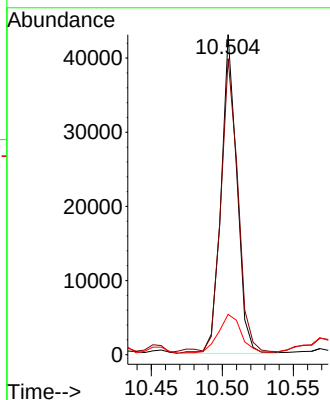
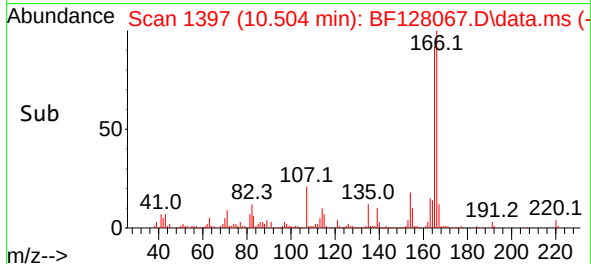
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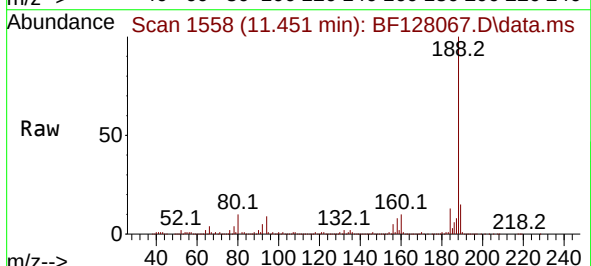
Tgt Ion:166 Resp: 3323
Ion Ratio Lower Upper
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165 92.5 78.6 117.8
167 12.6 10.5 15.7

Manual Integrations
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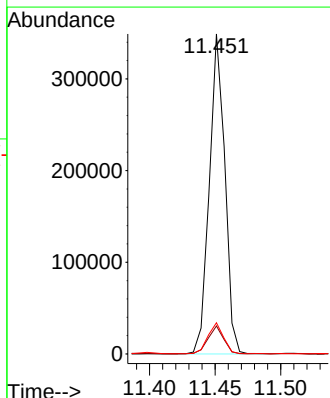
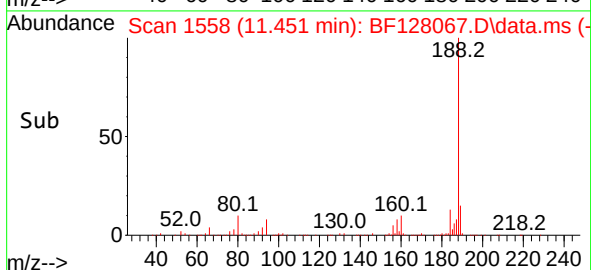
Reviewed By :Christian Giraldo 05/05/2022
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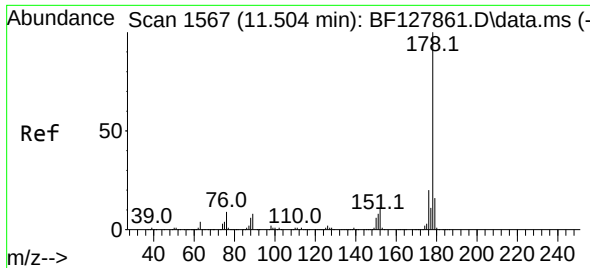


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



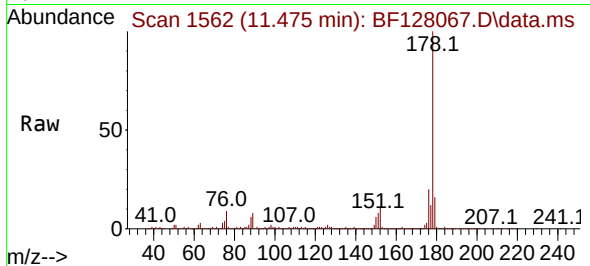
Tgt Ion:188 Resp: 288021
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.8 8.9 13.3





#71
Phenanthrene
Concen: 19.117 ng
RT: 11.475 min Scan# 11571
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

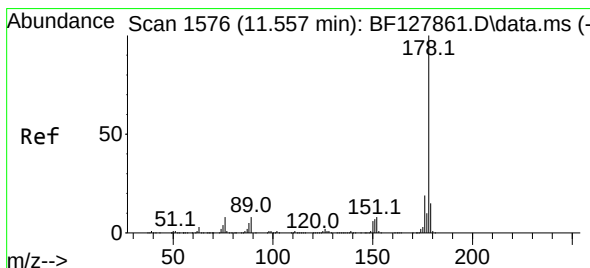
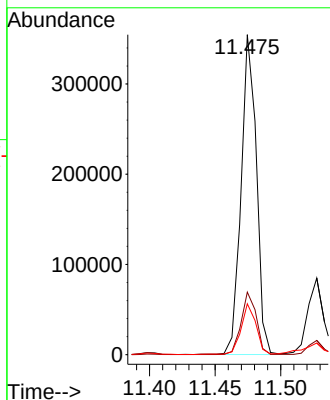
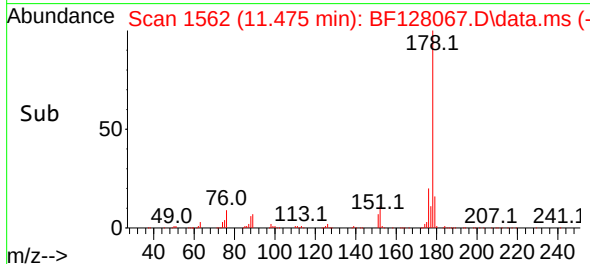
Instrument :
BNA_F
ClientSampleId :
22L097-DRE



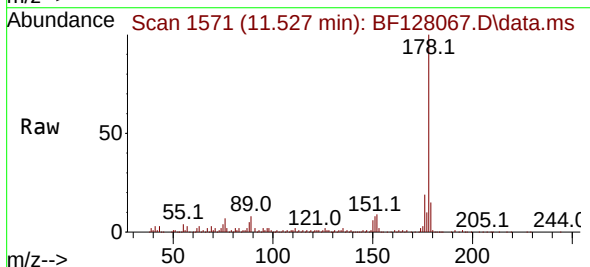
Tgt Ion:178 Resp: 28821
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.9 12.6 19.0

Manual Integrations
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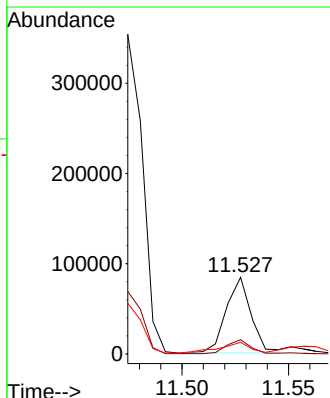
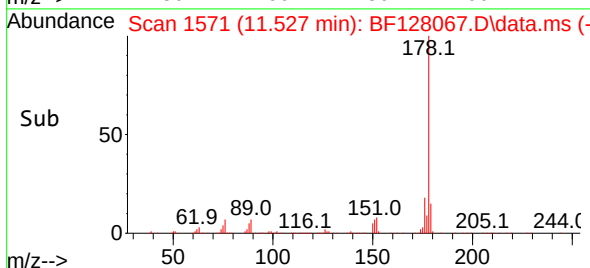
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

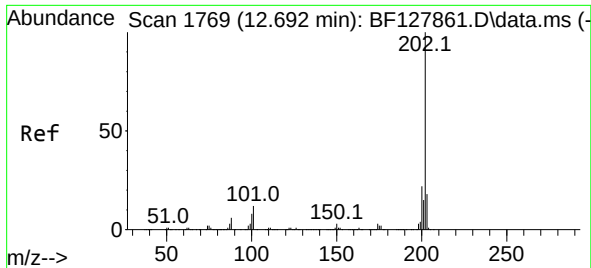


#72
Anthracene
Concen: 4.572 ng
RT: 11.527 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



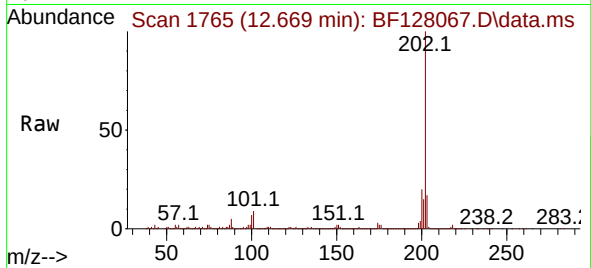
Tgt Ion:178 Resp: 68671
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 16.587 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

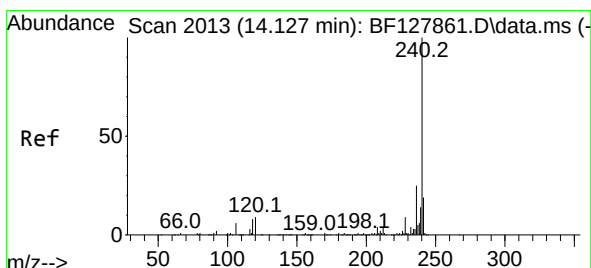
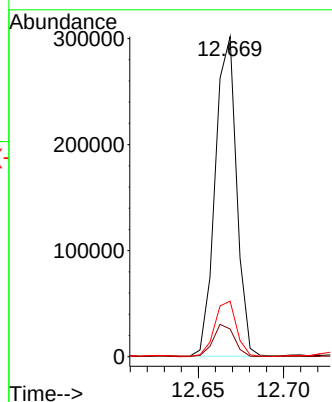
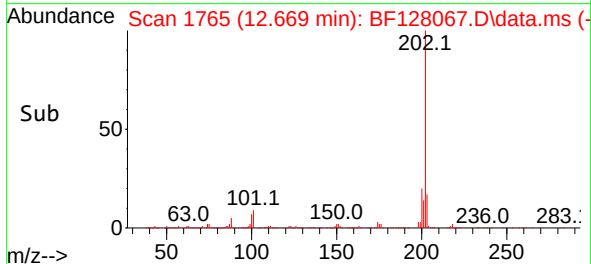
Instrument :
BNA_F
ClientSampleId :
22L097-DRE



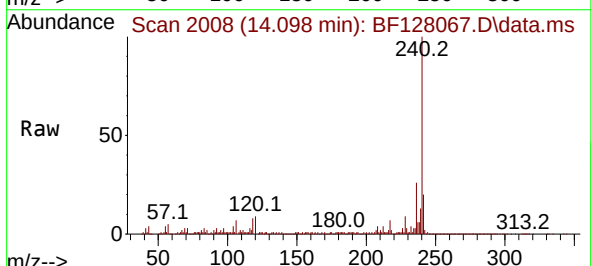
Tgt Ion:202 Resp: 263200
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.6
203 17.3 0.0 38.1

Manual Integrations
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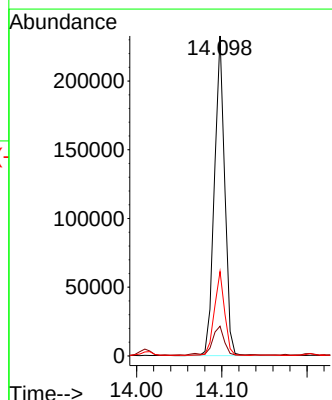
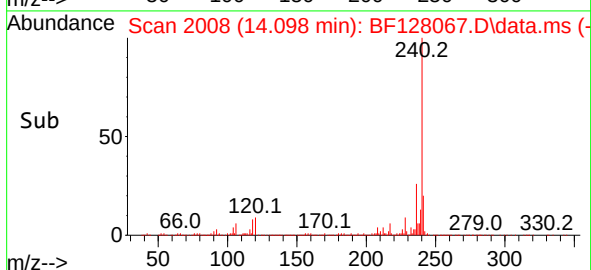
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

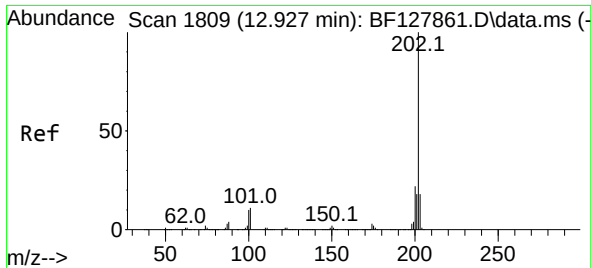


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



Tgt Ion:240 Resp: 195531
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.4 20.3 30.5





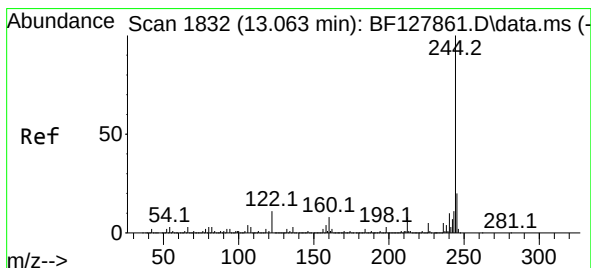
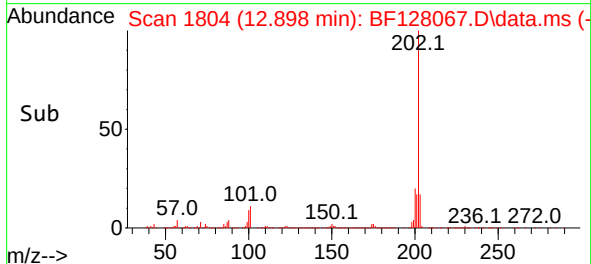
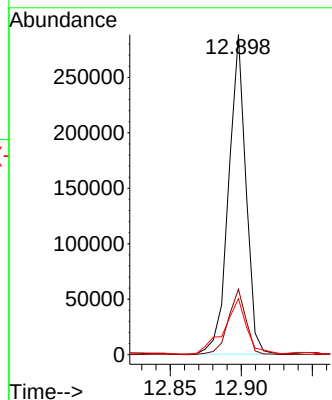
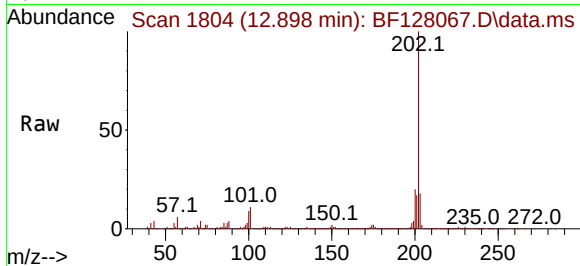
#78
Pyrene
Concen: 15.467 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Instrument :
BNA_F
ClientSampleId :
22L097-DRE

Tgt Ion:202 Resp: 244138
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.5 14.0 21.0

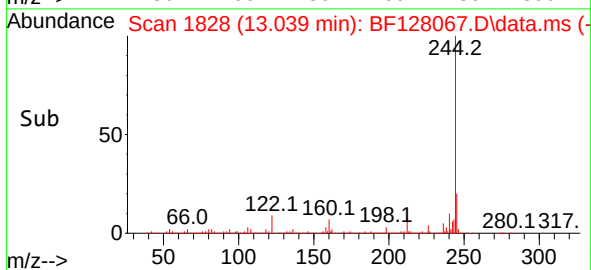
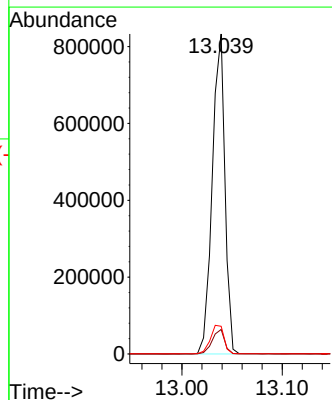
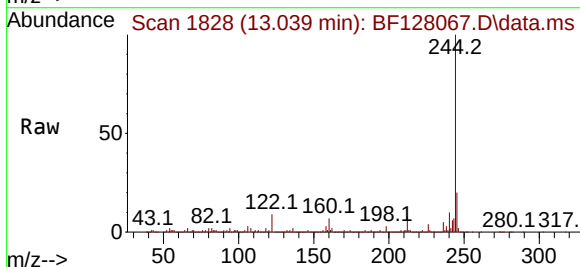
Manual Integrations
APPROVED

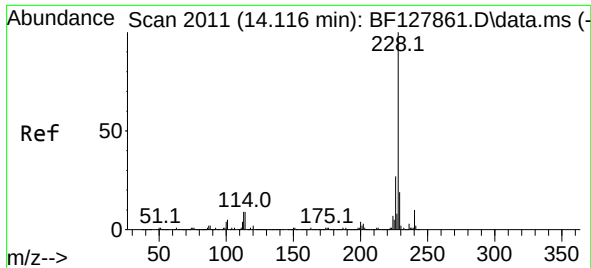
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#79
Terphenyl-d14
Concen: 68.469 ng
RT: 13.039 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

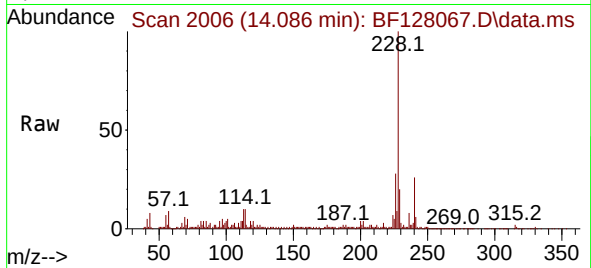
Tgt Ion:244 Resp: 732154
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 8.7 8.6 12.8





#81
Benzo(a)anthracene
Concen: 9.245 ng
RT: 14.086 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

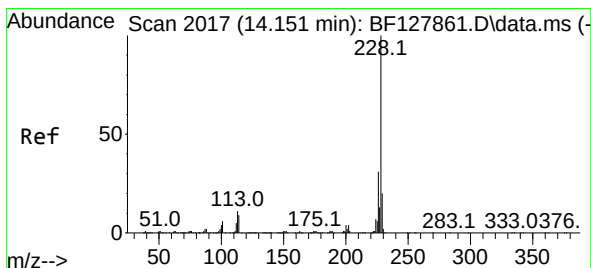
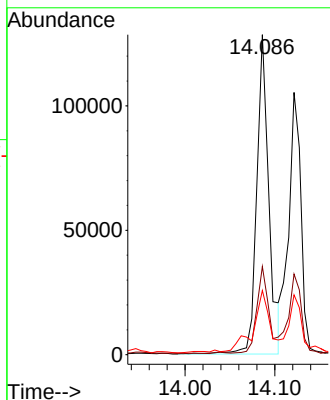
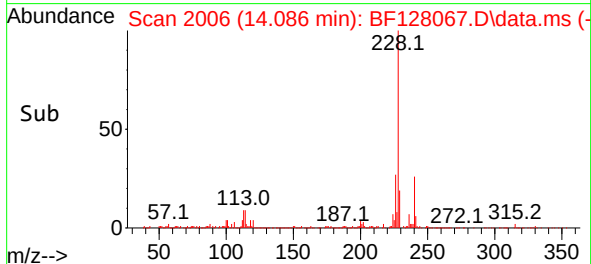
Instrument :
BNA_F
ClientSampleId :
22L097-DRE



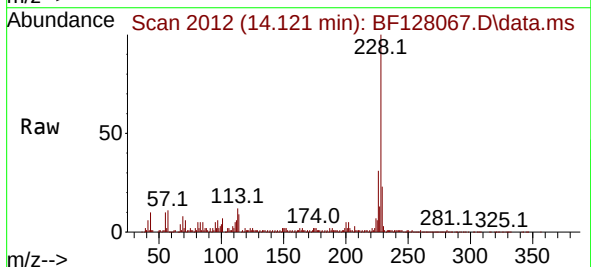
Tgt Ion:228 Resp: 120492
Ion Ratio Lower Upper
228 100
226 27.6 21.7 32.5
229 20.1 15.4 23.2

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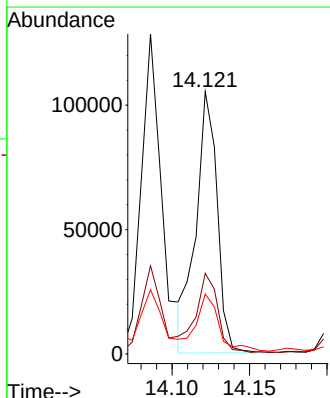
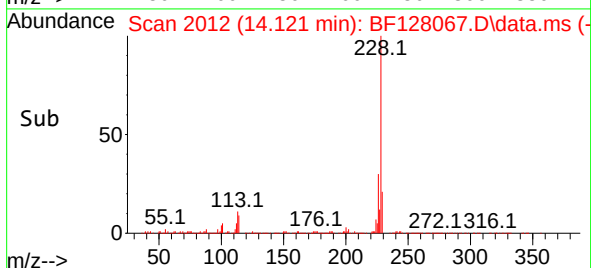
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

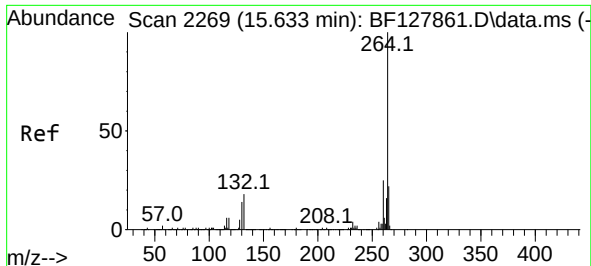


#83
Chrysene
Concen: 8.066 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



Tgt Ion:228 Resp: 100391
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.8 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

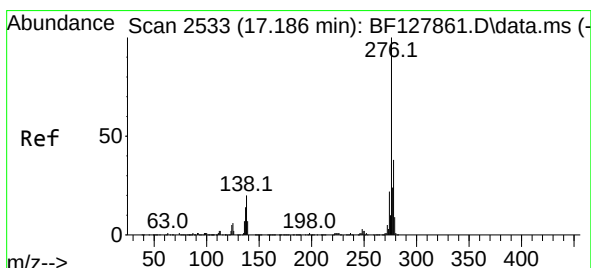
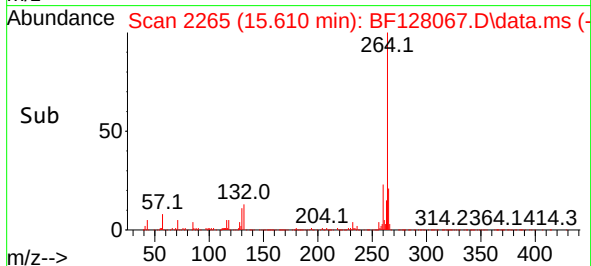
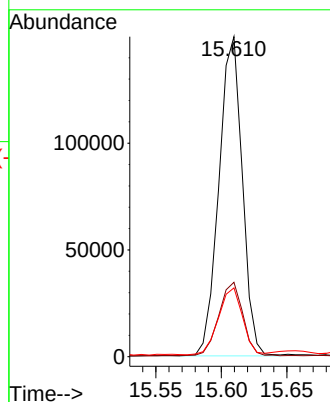
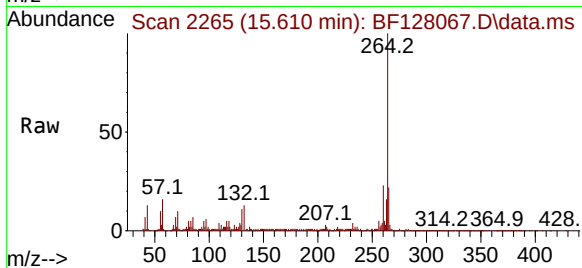
22L097-DRE

Tgt Ion:264 Resp: 18495
Ion Ratio Lower Upper
264 100
260 23.2 20.1 30.1
265 21.5 17.5 26.3

Manual Integrations

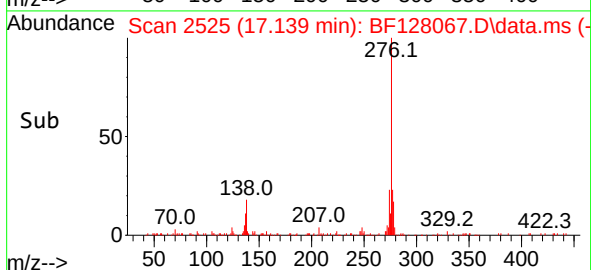
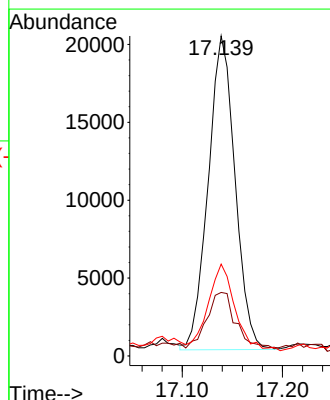
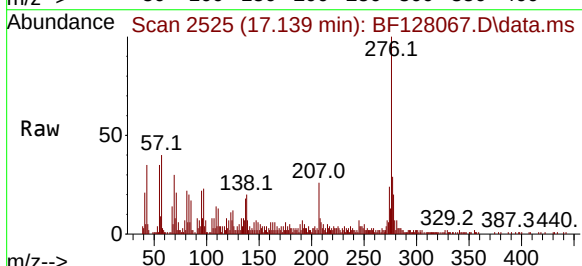
APPROVED

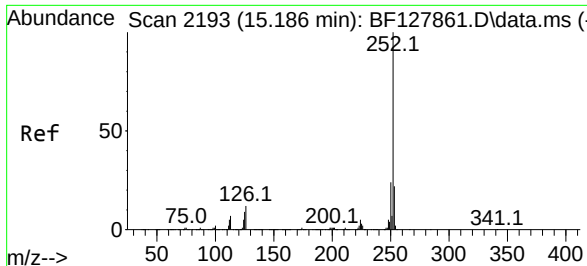
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.045 ng
RT: 17.139 min Scan# 2525
Delta R.T. -0.024 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:276 Resp: 37586
Ion Ratio Lower Upper
276 100
138 19.2 19.0 28.4
277 27.6 20.1 30.1





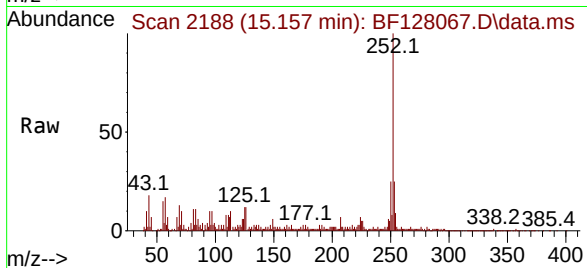
#88
Benzo(b)fluoranthene
Concen: 9.619 ng m
RT: 15.157 min Scan# 211739
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Instrument :

BNA_F

ClientSampleId :

22L097-DRE

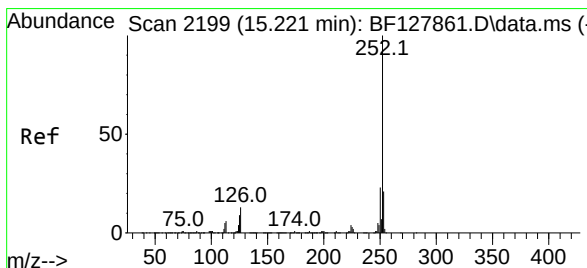
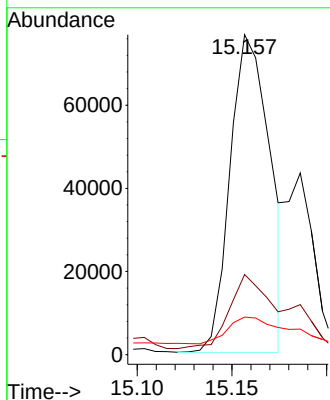
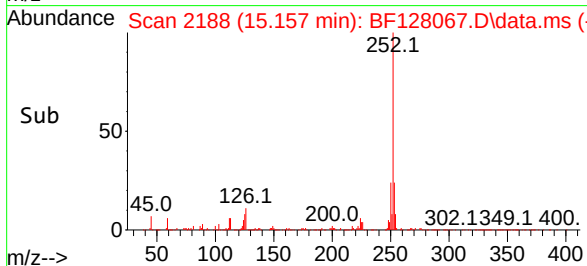


Tgt Ion:252 Resp: 111739
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 11.7 7.4 11.2

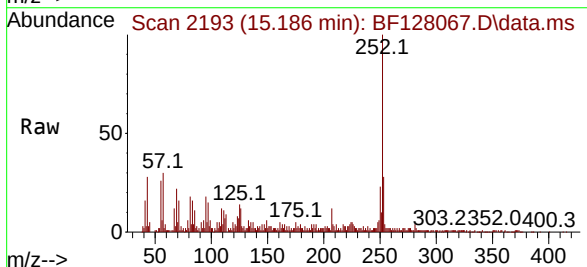
Manual Integrations

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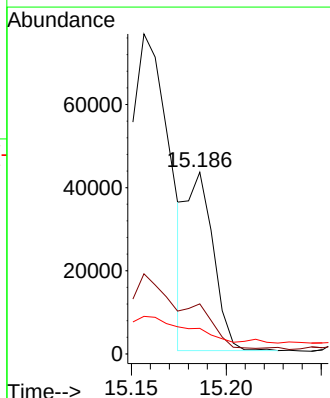
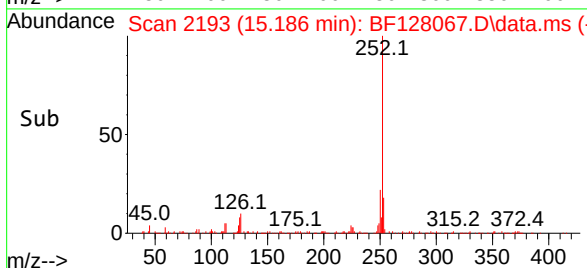
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

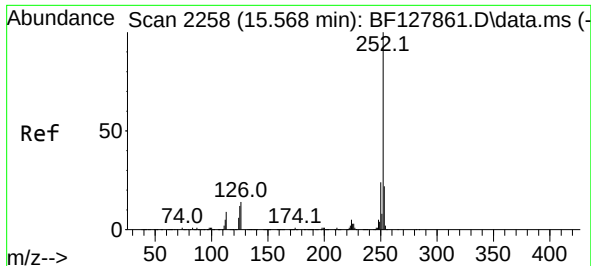


#89
Benzo(k)fluoranthene
Concen: 3.625 ng m
RT: 15.186 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00



Tgt Ion:252 Resp: 42427
Ion Ratio Lower Upper
252 100
253 27.5 17.0 25.4#
125 14.1 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 8.335 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Instrument :

BNA_F

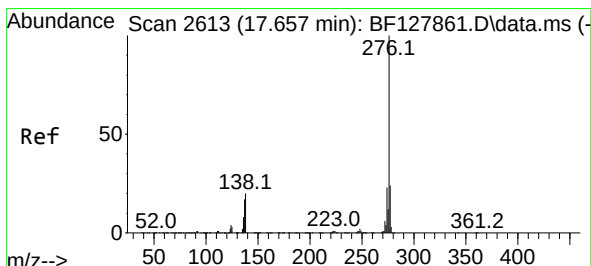
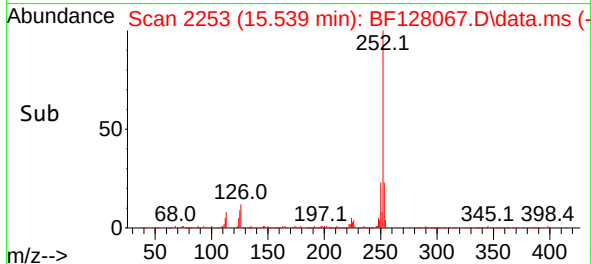
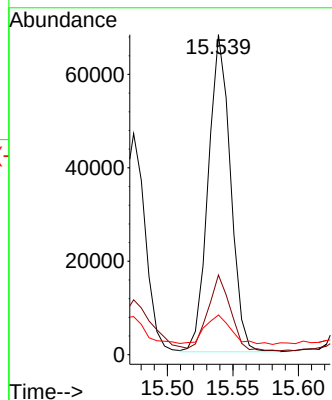
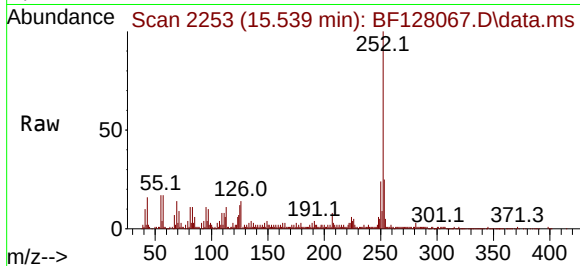
ClientSampleId :

22L097-DRE

Tgt Ion:252 Resp: 8031
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 12.4 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#92
Benzo(g,h,i)perylene
Concen: 3.436 ng
RT: 17.609 min Scan# 2605
Delta R.T. -0.024 min
Lab File: BF128067.D
Acq: 04 May 2022 13:00

Tgt Ion:276 Resp: 35855
Ion Ratio Lower Upper
276 100
277 25.4 18.8 28.2
138 22.2 16.2 24.2

