

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
 Data File : BF128068.D
 Acq On : 04 May 2022 13:29
 Operator : CG\JU
 Sample : N2659-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-ARE

Manual Integrations
 APPROVED

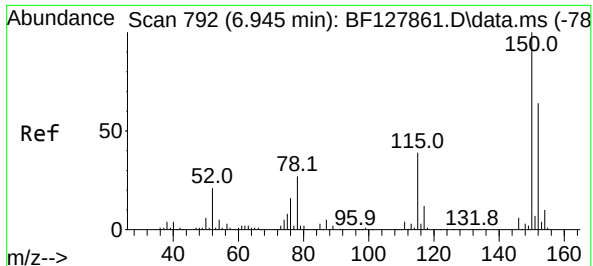
Reviewed By :Christian Giraldo 05/05/2022
 Supervised By :Jagrut Upadhyay 05/05/2022

Quant Time: May 05 06:02:39 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)

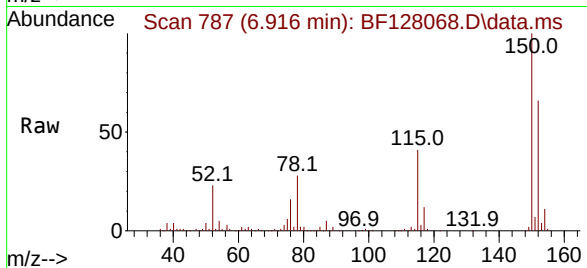
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	83279	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	320495	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	172498	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	256712	20.000	ng	# 0.00
76) Chrysene-d12	14.098	240	188439	20.000	ng	0.00
86) Perylene-d12	15.609	264	153577	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	18018	3.446	ng	0.00
7) Phenol-d6	6.539	99	339747	50.078	ng	-0.01
23) Nitrobenzene-d5	7.481	82	491862	72.168	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	562	0.324	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	823116	80.726	ng	0.00
79) Terphenyl-d14	13.039	244	688874	66.846	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.474	178	133671	9.947	ng	99
75) Fluoranthene	12.668	202	143731	10.163	ng	95
78) Pyrene	12.898	202	145243	9.548	ng	99
81) Benzo(a)anthracene	14.086	228	73607	5.860	ng	99
83) Chrysene	14.121	228	64773	5.400	ng	97
88) Benzo(b)fluoranthene	15.157	252	65910m	6.833	ng	
89) Benzo(k)fluoranthene	15.186	252	26302m	2.706	ng	
90) Benzo(a)pyrene	15.539	252	45948	5.743	ng	# 92

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

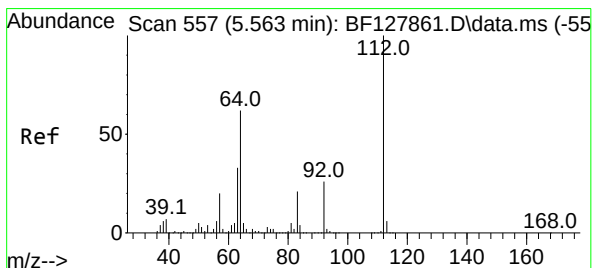
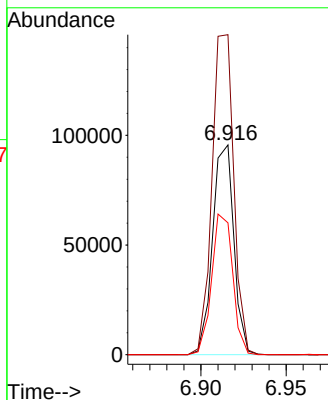
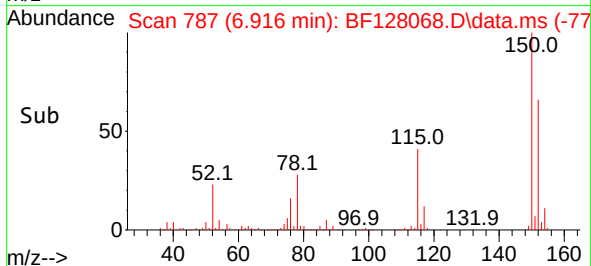
Instrument :
BNA_F
ClientSampleId :
22L097-ARE



Tgt Ion:152 Resp: 83279
Ion Ratio Lower Upper
152 100
150 152.6 125.3 187.9
115 62.9 48.8 73.2

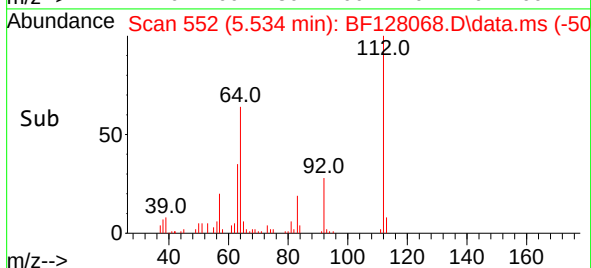
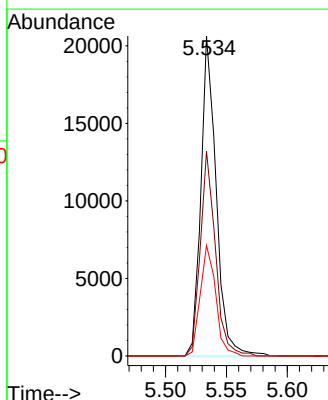
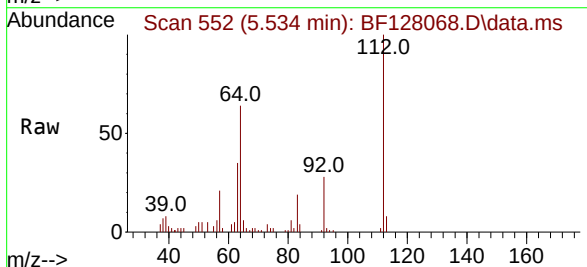
Manual Integrations
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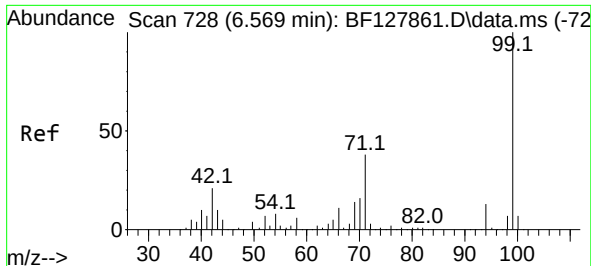
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#5
2-Fluorophenol
Concen: 3.446 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

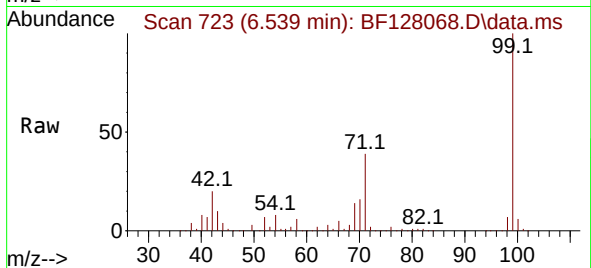
Tgt Ion:112 Resp: 18018
Ion Ratio Lower Upper
112 100
64 64.0 49.5 74.3
63 34.6 26.3 39.5





#7
Phenol-d6
Concen: 50.078 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

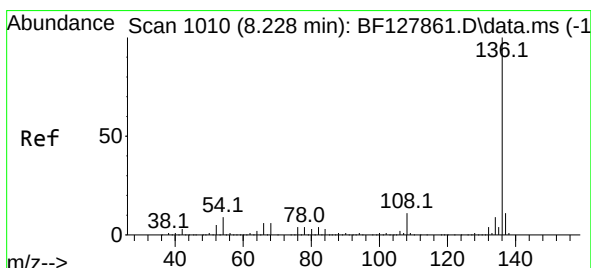
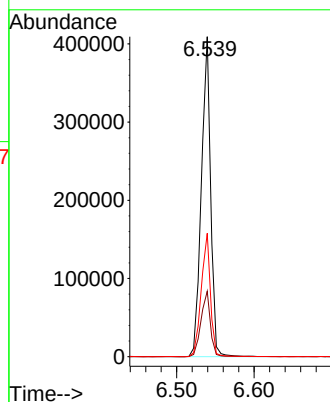
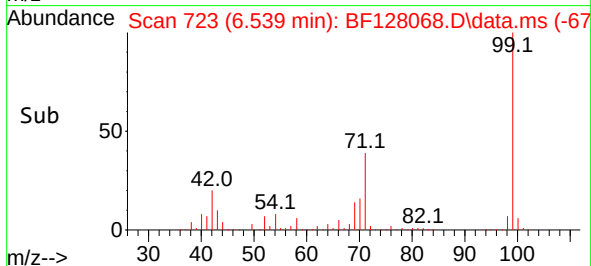
Instrument :
BNA_F
ClientSampleId :
22L097-ARE



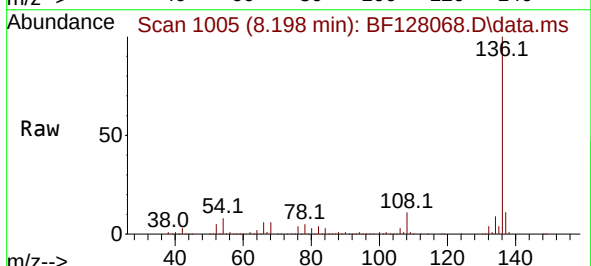
Tgt Ion: 99 Resp: 33974
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 38.6 30.0 45.0

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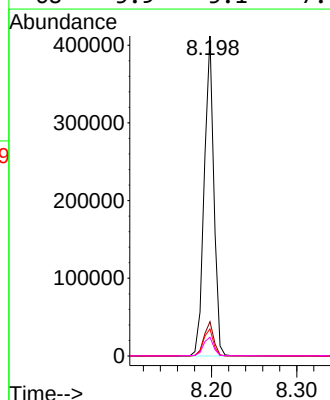
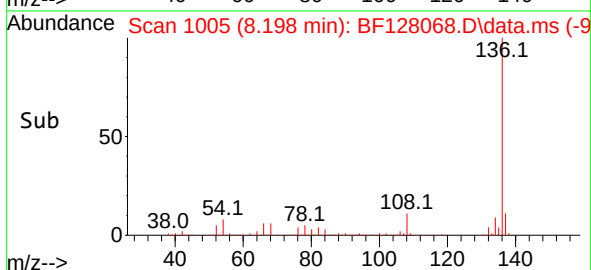
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

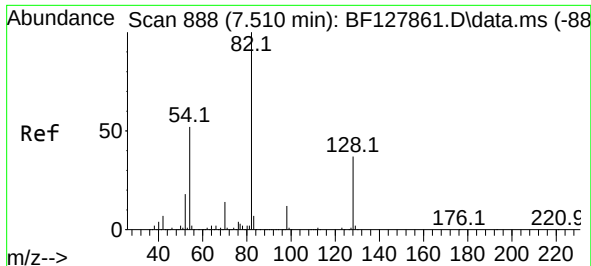


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29



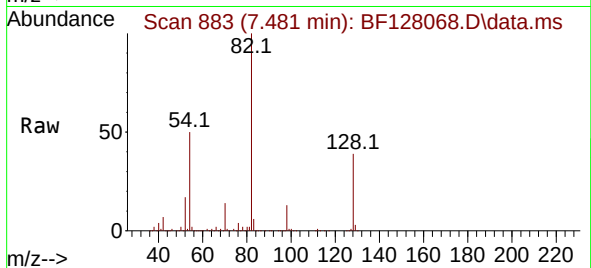
Tgt Ion:136 Resp: 320495
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 6.8 10.2
68 5.9 5.1 7.7





#23
Nitrobenzene-d5
Concen: 72.168 ng
RT: 7.481 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

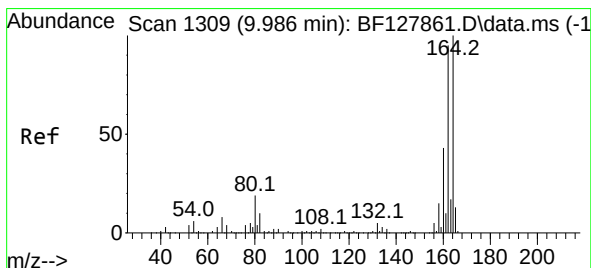
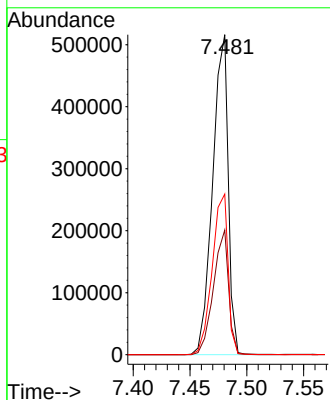
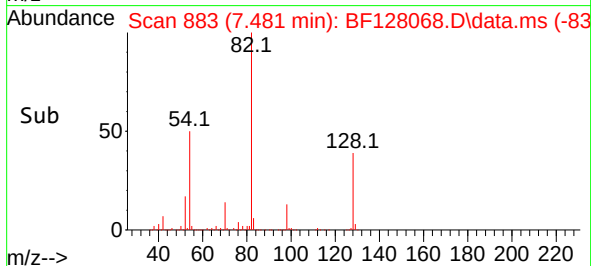
Instrument :
BNA_F
ClientSampleId :
22L097-ARE



Tgt Ion: 82 Resp: 491862
Ion Ratio Lower Upper
82 100
128 39.0 30.0 45.0
54 50.2 41.3 61.9

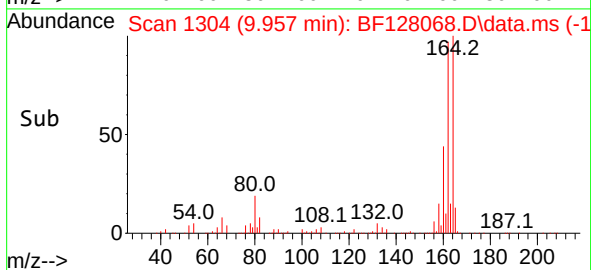
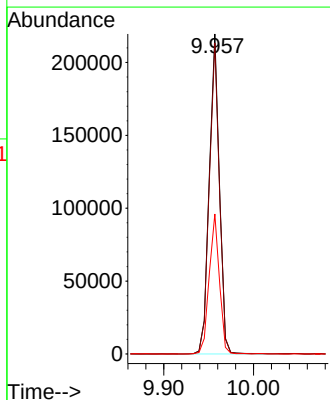
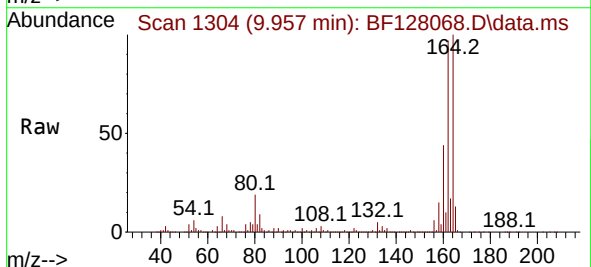
Manual Integrations
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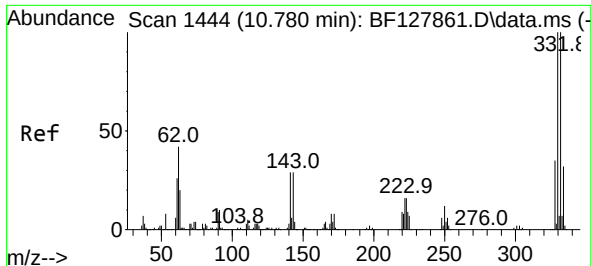
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

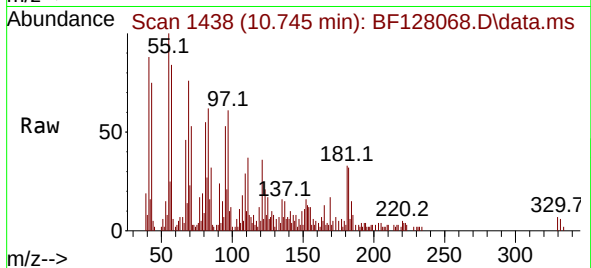
Tgt Ion:164 Resp: 172498
Ion Ratio Lower Upper
164 100
162 97.2 76.0 114.0
160 43.8 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 10.745 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

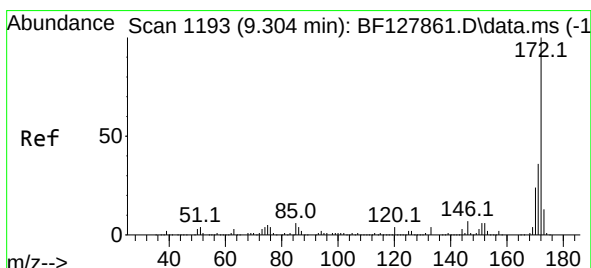
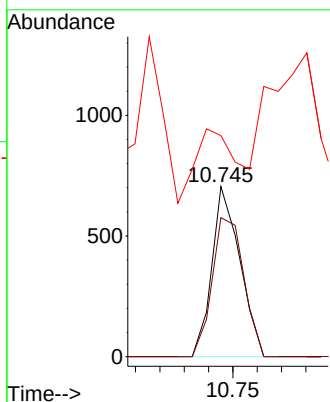
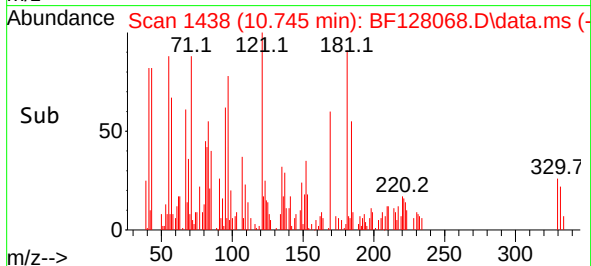
Instrument :
BNA_F
ClientSampleId :
22L097-ARE



Tgt Ion: 330 Resp: 562
Ion Ratio Lower Upper
330 100
332 92.3 79.0 118.4
141 65.3 28.9 43.3

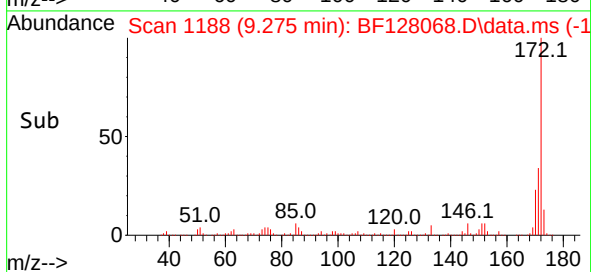
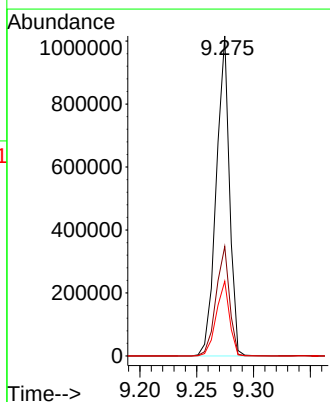
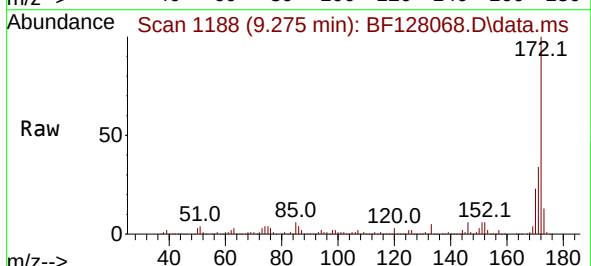
Manual Integrations
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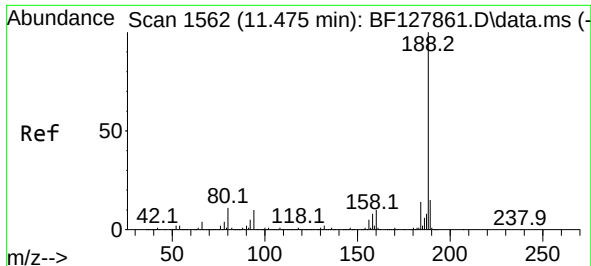
Reviewed By : Christian Giraldo 05/05/2022
Supervised By : Jagrut Upadhyay 05/05/2022



#45
2-Fluorobiphenyl
Concen: 80.726 ng
RT: 9.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

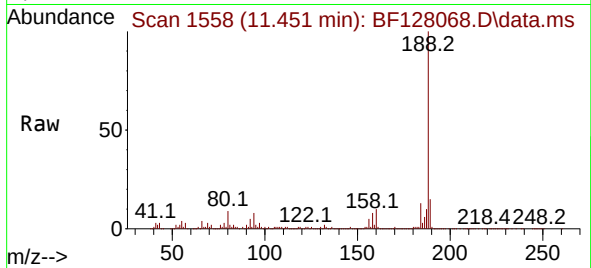
Tgt Ion: 172 Resp: 823116
Ion Ratio Lower Upper
172 100
171 34.2 28.6 42.8
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

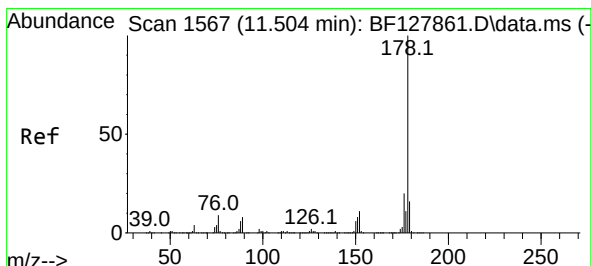
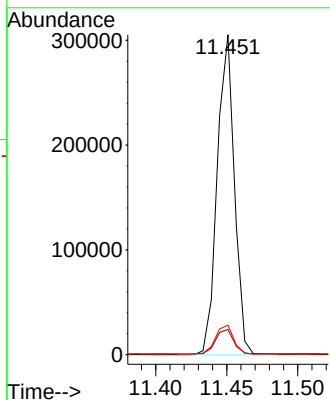
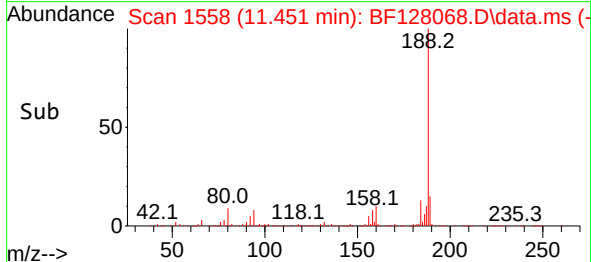
Instrument :
BNA_F
ClientSampleId :
22L097-ARE



Tgt Ion:188 Resp: 25671
Ion Ratio Lower Upper
188 100
94 7.9 8.0 12.0
80 9.3 8.9 13.3

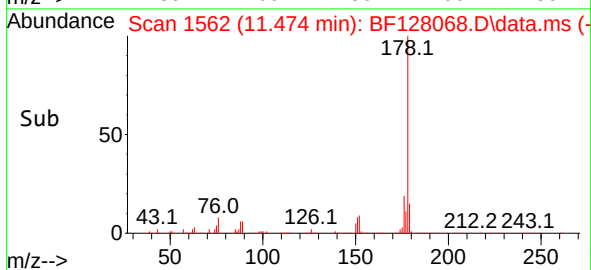
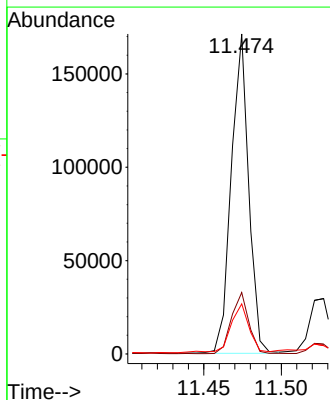
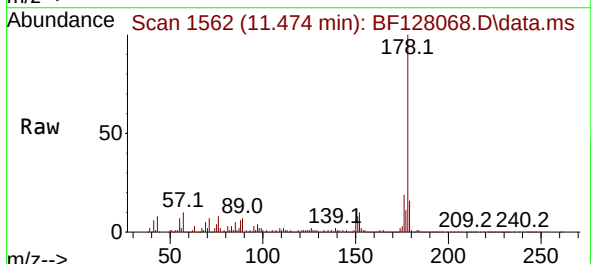
Manual Integrations
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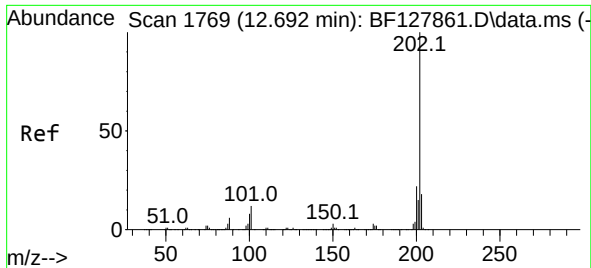
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#71
Phenanthrene
Concen: 9.947 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

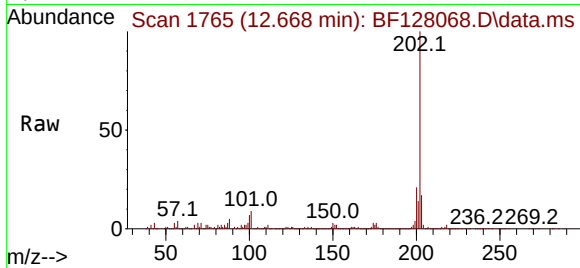
Tgt Ion:178 Resp: 133671
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.7 12.6 19.0





#75
Fluoranthene
Concen: 10.163 ng
RT: 12.668 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

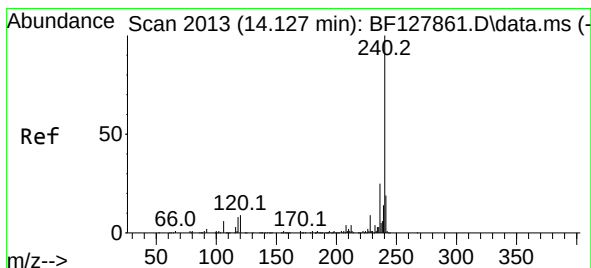
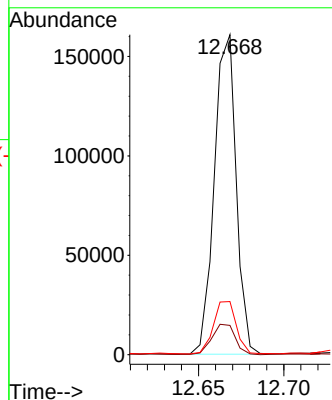
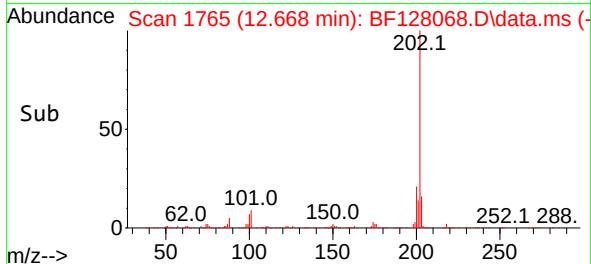
Instrument :
BNA_F
ClientSampleId :
22L097-ARE



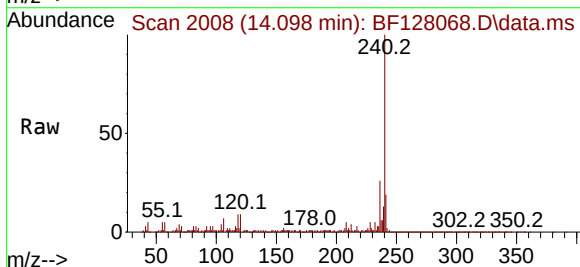
Tgt Ion:202 Resp: 14373
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.6
203 16.6 0.0 38.1

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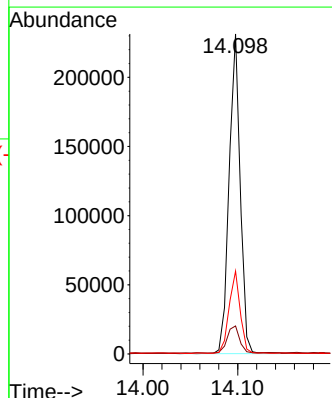
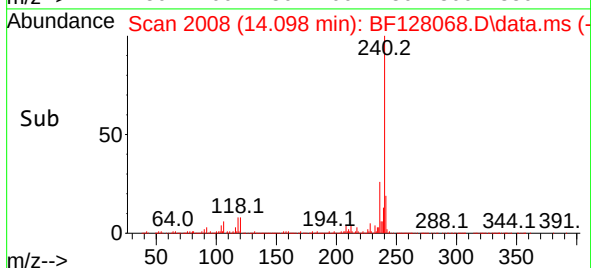
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

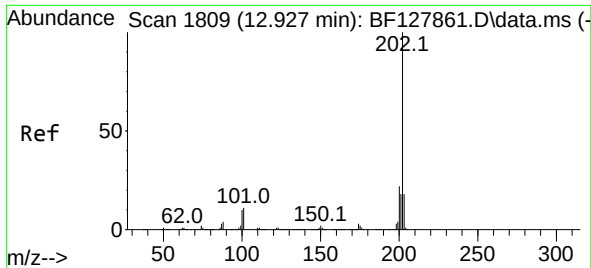


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29



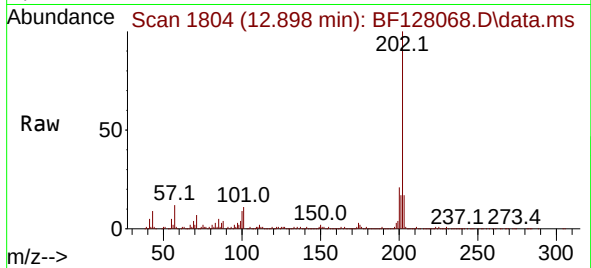
Tgt Ion:240 Resp: 188439
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 25.9 20.3 30.5





#78
Pyrene
Concen: 9.548 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

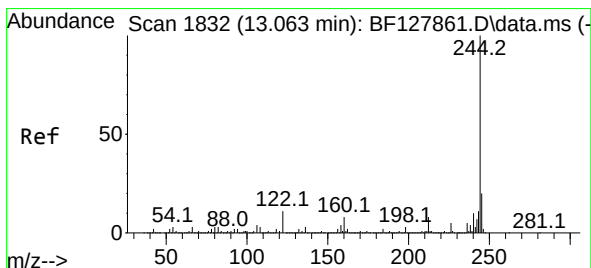
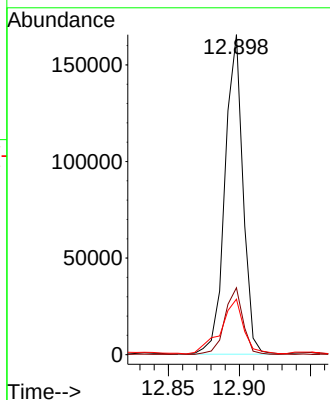
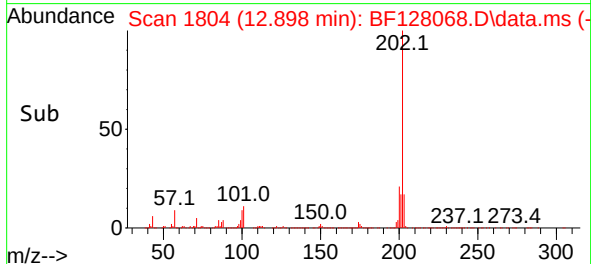
Instrument :
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ClientSampleId :
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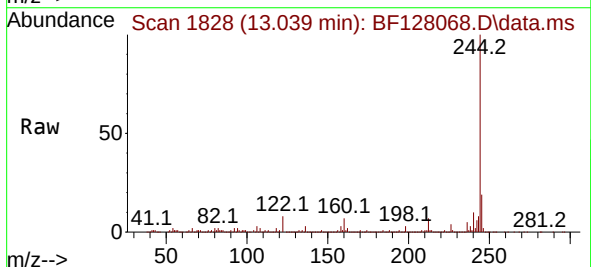
Tgt Ion:202 Resp: 14524
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.4 14.0 21.0

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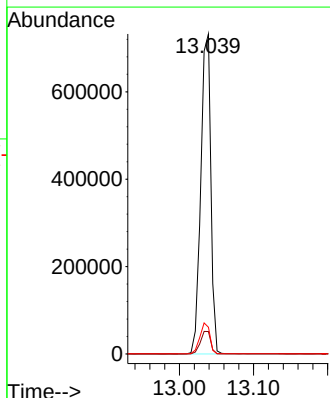
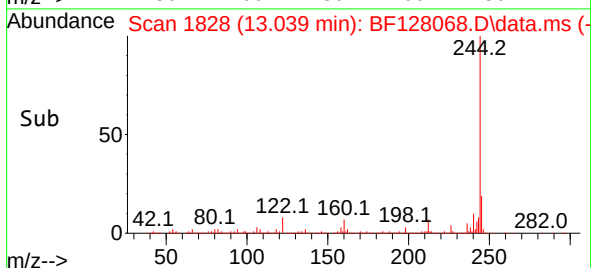
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

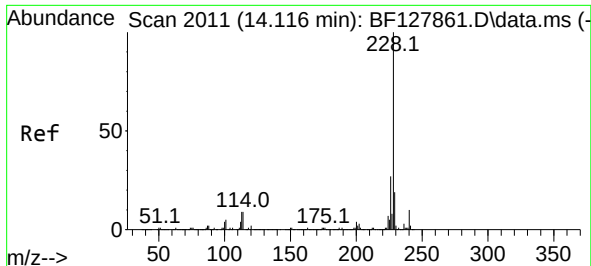


#79
Terphenyl-d14
Concen: 66.846 ng
RT: 13.039 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29



Tgt Ion:244 Resp: 688874
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 8.3 8.6 12.8#





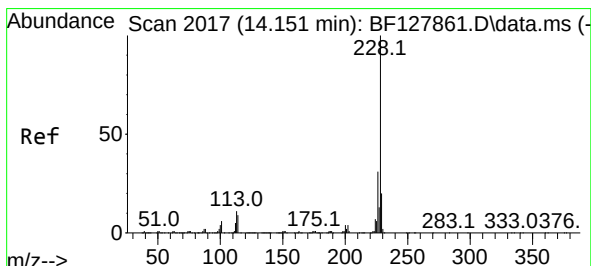
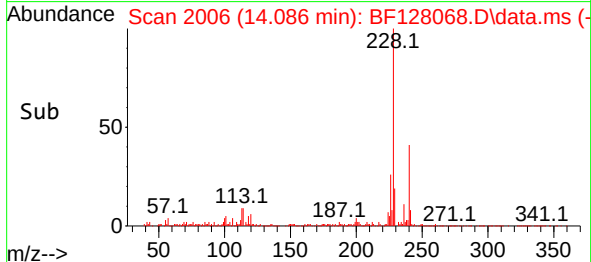
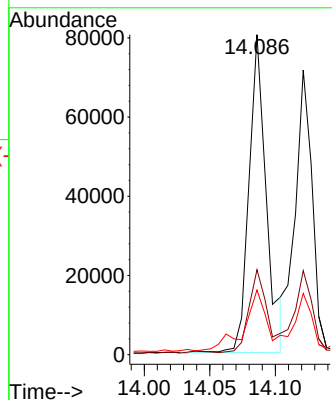
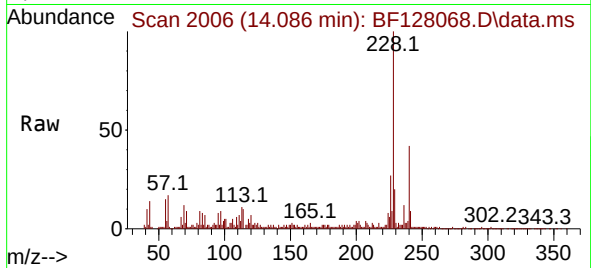
#81
Benzo(a)anthracene
Concen: 5.860 ng
RT: 14.086 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Instrument :
BNA_F
ClientSampleId :
22L097-ARE

Tgt Ion:228 Resp: 7360
Ion Ratio Lower Upper
228 100
226 26.5 21.7 32.5
229 20.2 15.4 23.2

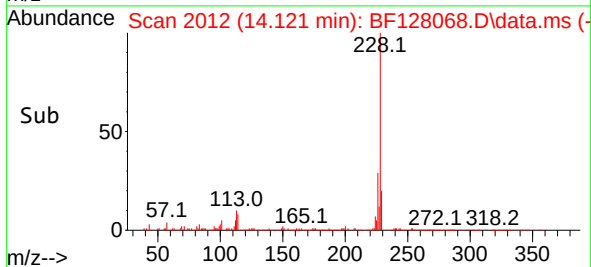
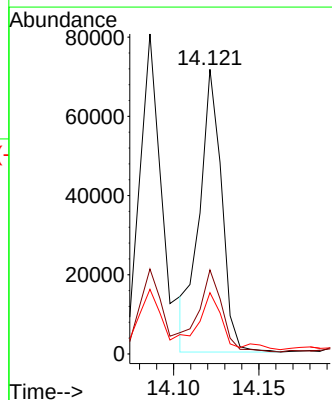
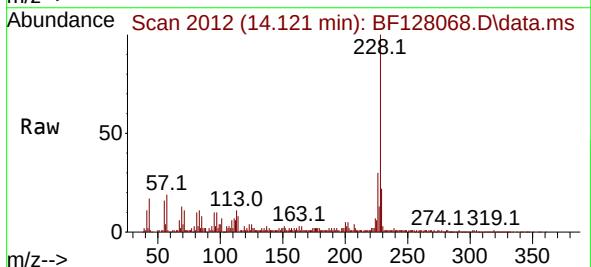
Manual Integrations
APPROVED

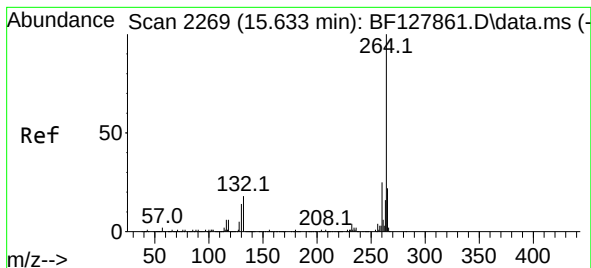
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#83
Chrysene
Concen: 5.400 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF128068.D
Acq: 04 May 2022 13:29

Tgt Ion:228 Resp: 64773
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.609 min Scan# 2188

Delta R.T. -0.000 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Instrument :

BNA_F

ClientSampleId :

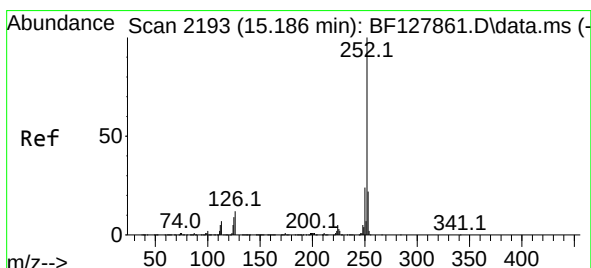
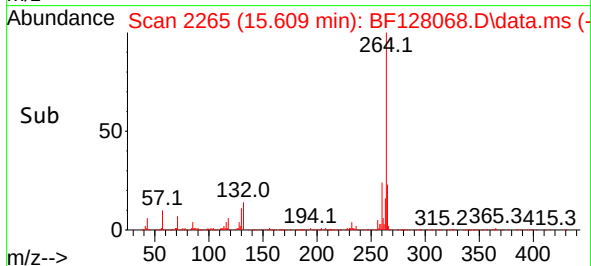
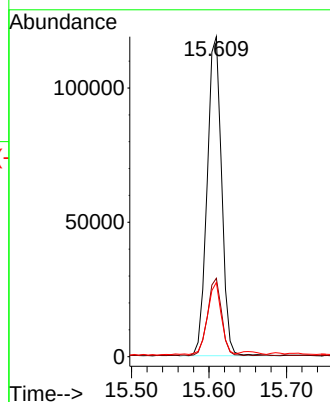
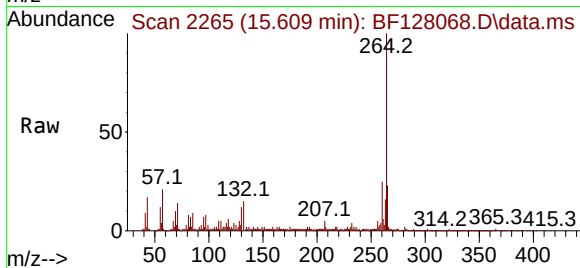
22L097-ARE

Tgt Ion:264	Resp:	15357
Ion Ratio	Lower	Upper
264	100	
260	24.5	20.1 30.1
265	23.2	17.5 26.3

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 6.833 ng m

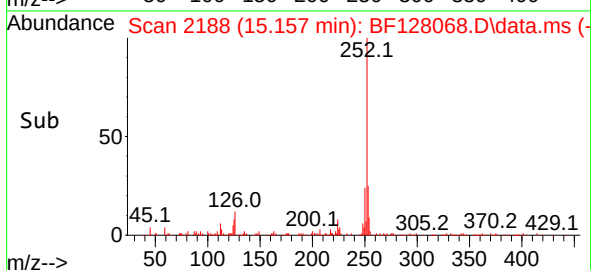
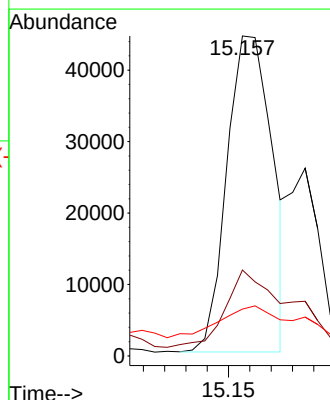
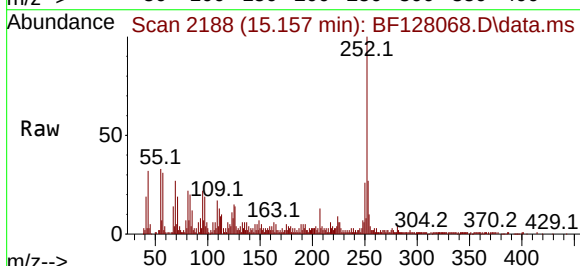
RT: 15.157 min Scan# 2188

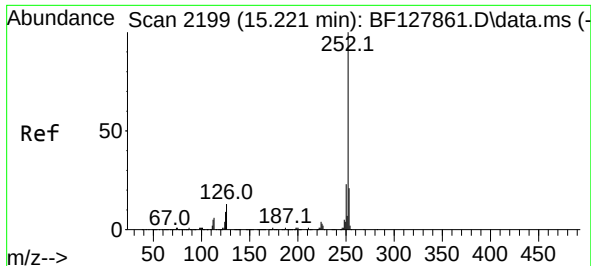
Delta R.T. -0.012 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Tgt Ion:252	Resp:	65910
Ion Ratio	Lower	Upper
252	100	
253	26.9	17.4 26.2#
125	14.6	7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 2.706 ng m

RT: 15.186 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Instrument :

BNF

ClientSampleId :

22L097-ARE

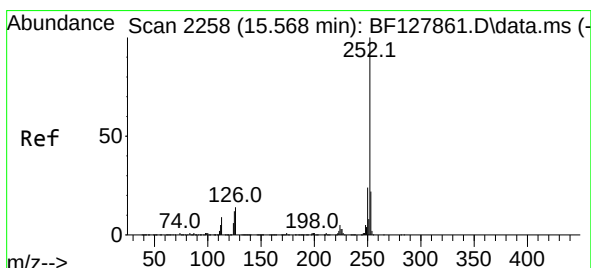
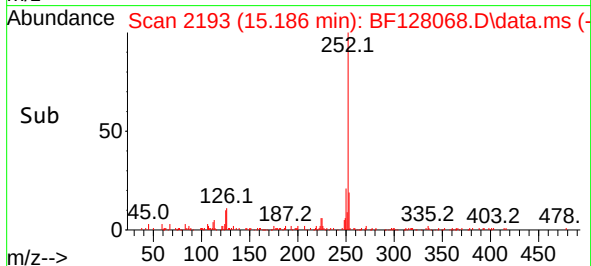
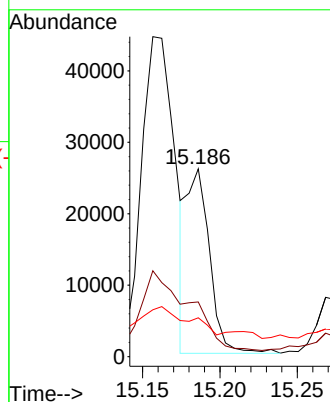
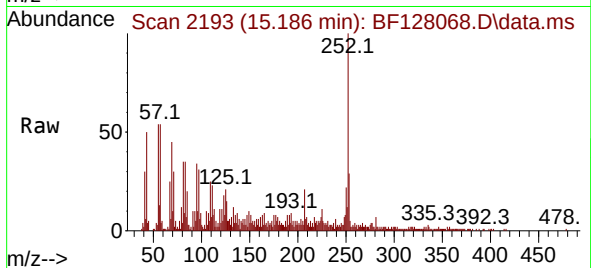
Tgt Ion:	252	Resp:	2630
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.0	25.4
125	20.7	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2022

Supervised By :Jagrut Upadhyay 05/05/2022



#90

Benzo(a)pyrene

Concen: 5.743 ng

RT: 15.539 min Scan# 2253

Delta R.T. -0.012 min

Lab File: BF128068.D

Acq: 04 May 2022 13:29

Tgt Ion:	252	Resp:	45948
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.8	26.6
125	16.0	9.2	13.8

