

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF128998.D
 Acq On : 24 Jun 2022 19:27
 Operator : CG\JU
 Sample : N3455-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-EXC-2-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/27/2022
 Supervised By : Jagrut Upadhyay 06/27/2022

Quant Time: Jun 25 06:15:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	111682	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	426179	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	199140	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	302222	20.000	ng	# 0.00
76) Chrysene-d12	13.898	240	187021	20.000	ng	0.00
86) Perylene-d12	15.345	264	139271	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	230417	32.863	ng	0.00
7) Phenol-d6	6.381	99	284907	33.288	ng	0.00
23) Nitrobenzene-d5	7.287	82	194869	21.289	ng	-0.02
42) 2,4,6-Tribromophenol	10.551	330	50620	21.514	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	337175	23.718	ng	-0.01
79) Terphenyl-d14	12.839	244	213306	19.819	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	44725	2.950	ng	98
75) Fluoranthene	12.463	202	59707	3.768	ng	97
78) Pyrene	12.692	202	121866m	8.758	ng	
81) Benzo(a)anthracene	13.886	228	80126	6.873	ng	# 93
83) Chrysene	13.927	228	86974	7.826	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.762	276	46981	5.597	ng	# 92
88) Benzo(b)fluoranthene	14.933	252	76313m	8.575	ng	
89) Benzo(k)fluoranthene	14.945	252	21990m	2.627	ng	
90) Benzo(a)pyrene	15.286	252	99165	14.178	ng	97
91) Dibenzo(a,h)anthracene	16.762	278	21470	3.084	ng	# 84
92) Benzo(g,h,i)perylene	17.192	276	82607m	11.971	ng	

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

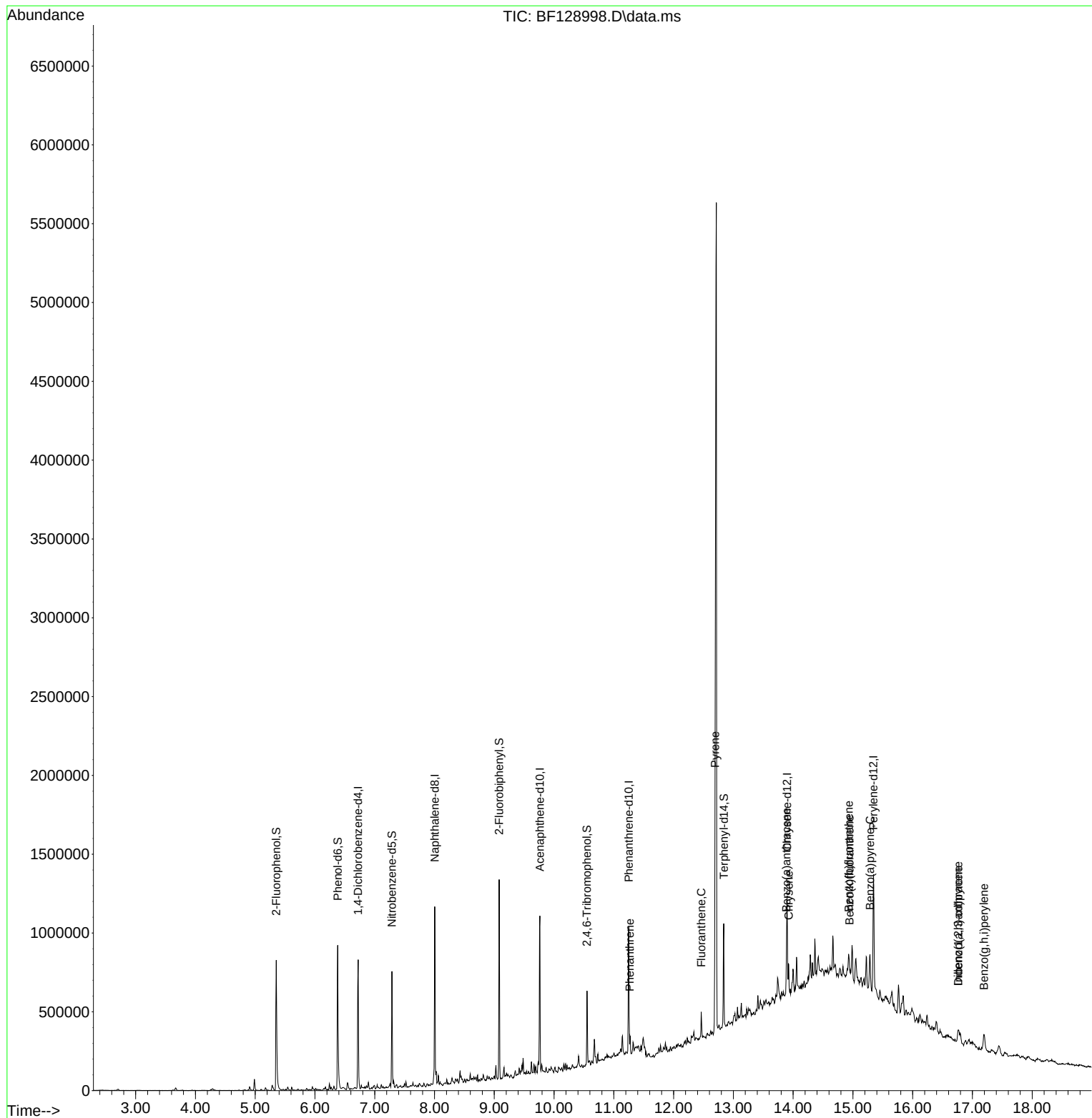
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
Data File : BF128998.D
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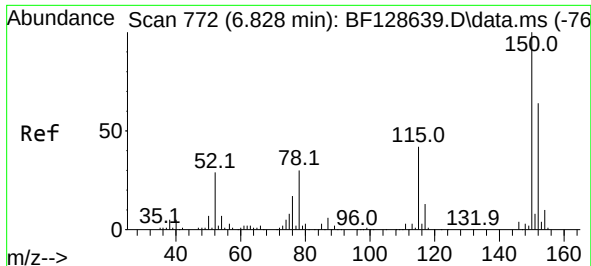
Instrument :
BNA_F
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SP-EXC-2-1

Quant Time: Jun 25 06:15:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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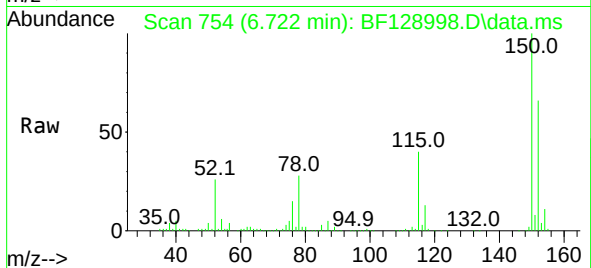
Reviewed By : Christian Giraldo 06/27/2022
Supervised By : Jagrut Upadhyay 06/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

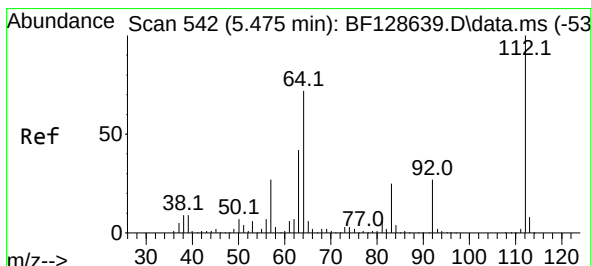
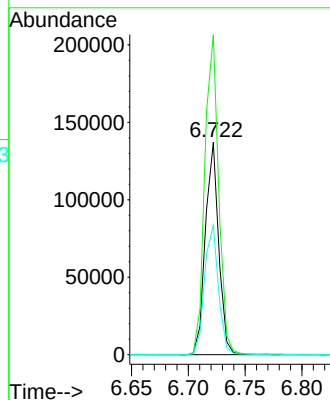
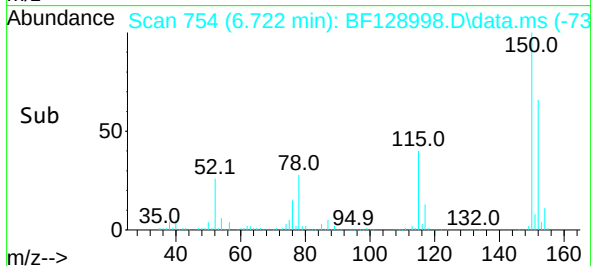
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1



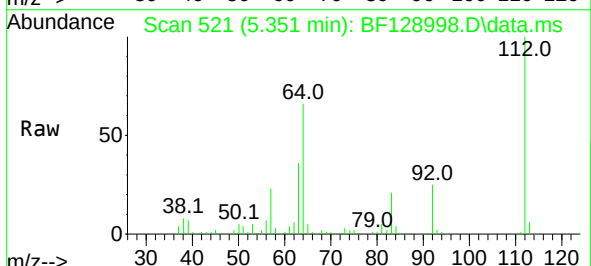
Tgt Ion:152 Resp: 11168
Ion Ratio Lower Upper
152 100
150 150.7 123.7 185.5
115 60.8 49.9 74.9

Manual Integrations
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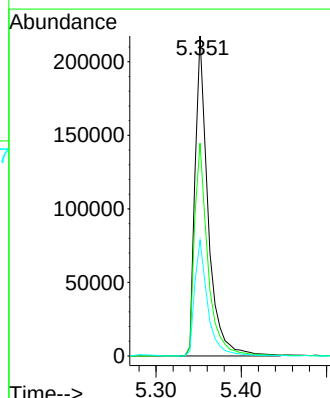
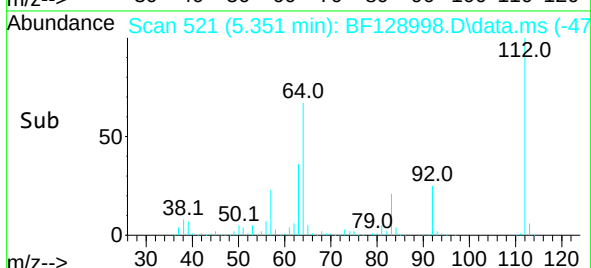
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

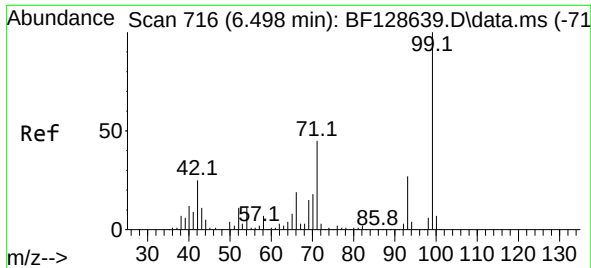


#5
2-Fluorophenol
Concen: 32.863 ng
RT: 5.351 min Scan# 521
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27



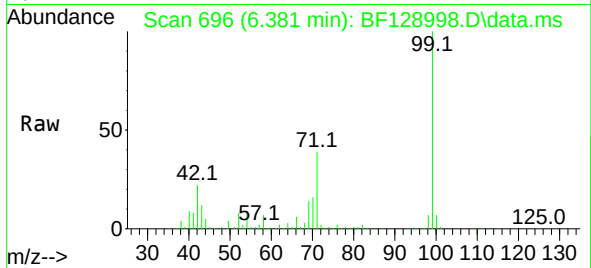
Tgt Ion:112 Resp: 230417
Ion Ratio Lower Upper
112 100
64 66.5 53.3 79.9
63 36.1 28.0 42.0





#7
Phenol-d6
Concen: 33.288 ng
RT: 6.381 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

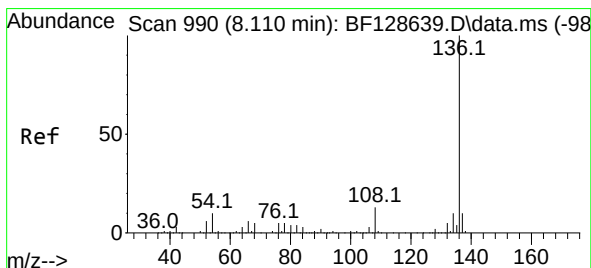
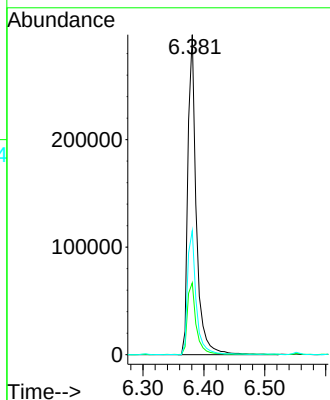
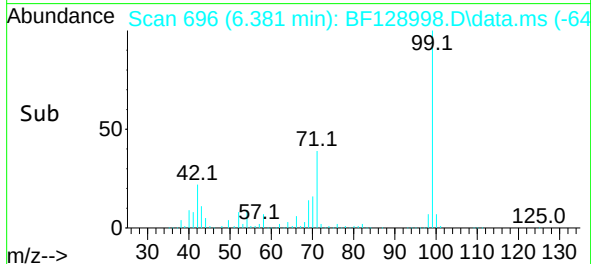
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1



Tgt Ion: 99 Resp: 28490
Ion Ratio Lower Upper
99 100
42 22.4 17.3 25.9
71 38.8 28.9 43.3

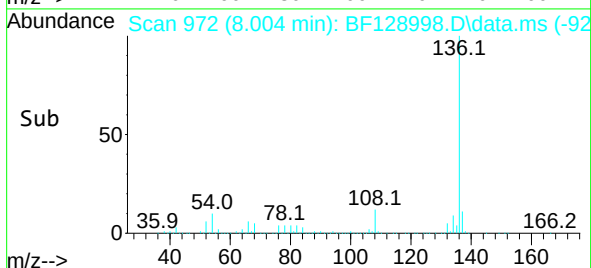
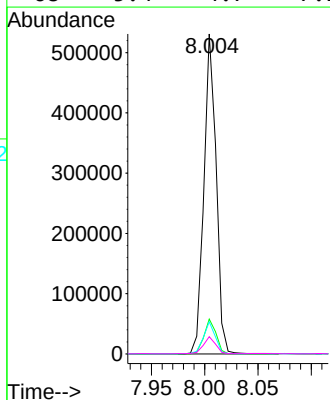
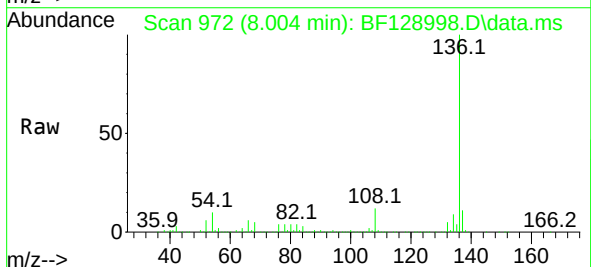
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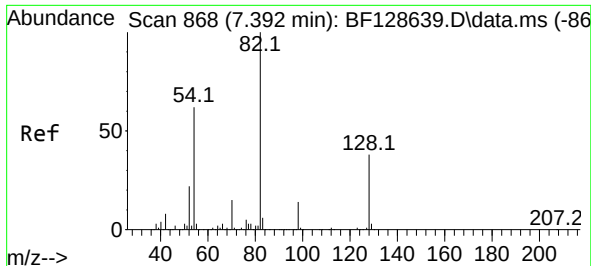
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:136 Resp: 426179
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.0 7.5 11.3
68 5.4 4.7 7.1





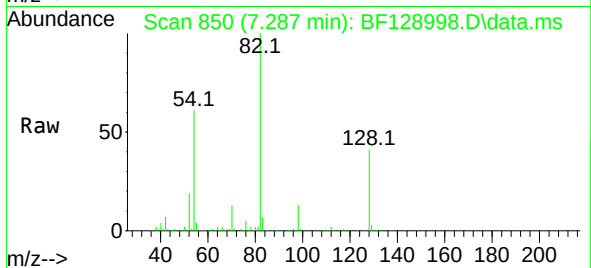
#23
Nitrobenzene-d5
Concen: 21.289 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

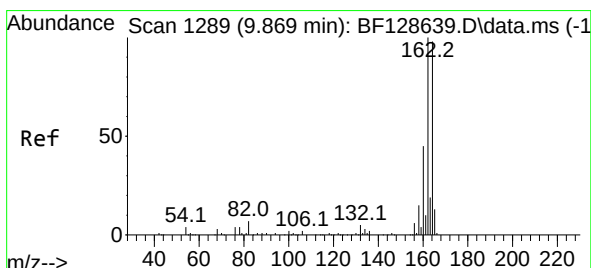
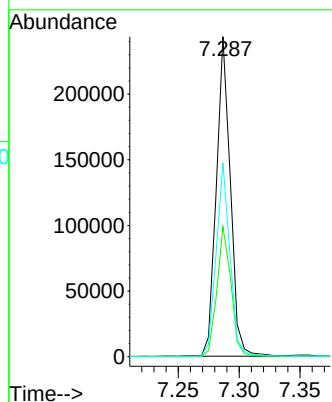
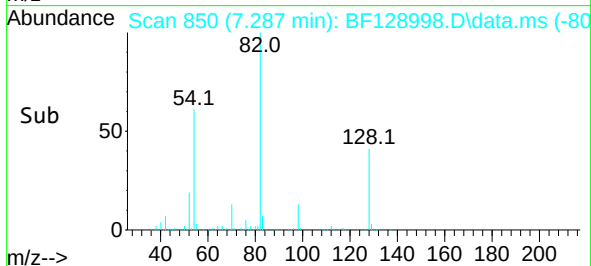


Tgt Ion: 82 Resp: 194869
Ion Ratio Lower Upper
82 100
128 40.6 34.0 51.0
54 60.6 46.9 70.3

Manual Integrations

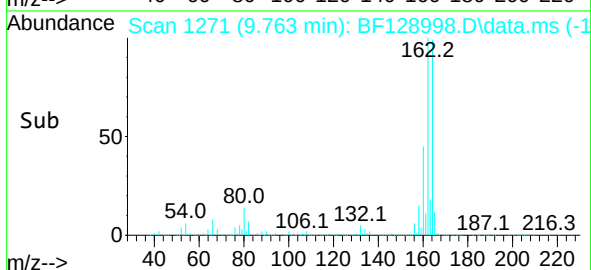
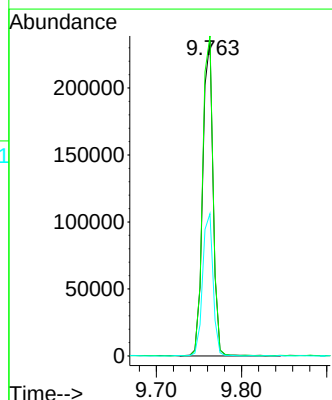
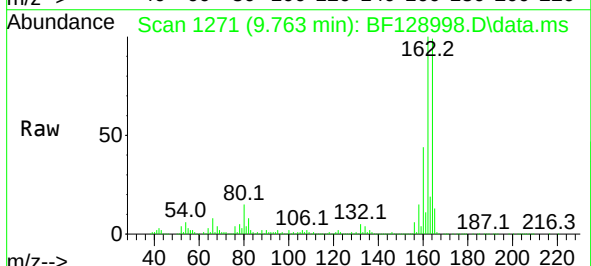
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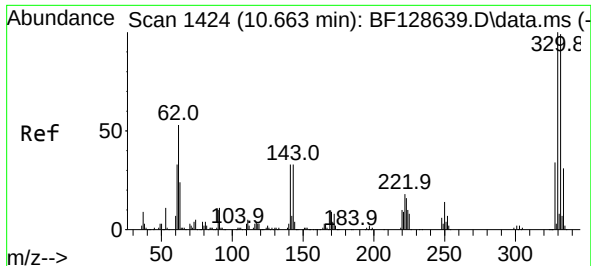
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:164 Resp: 199140
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 45.1 34.2 51.4





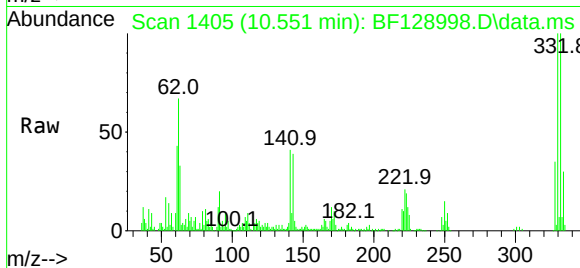
#42
2,4,6-Tribromophenol
Concen: 21.514 ng
RT: 10.551 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

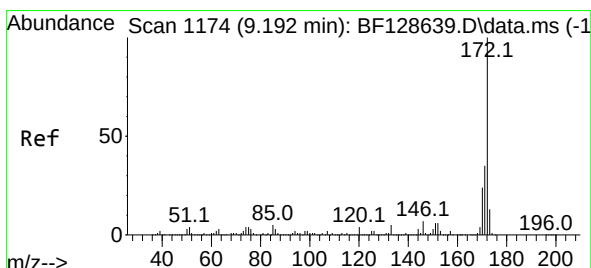
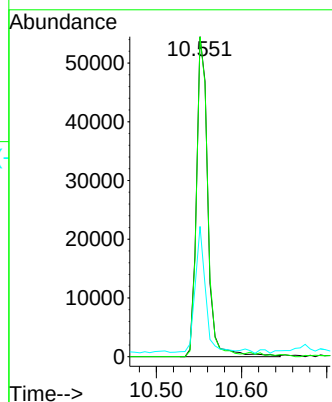
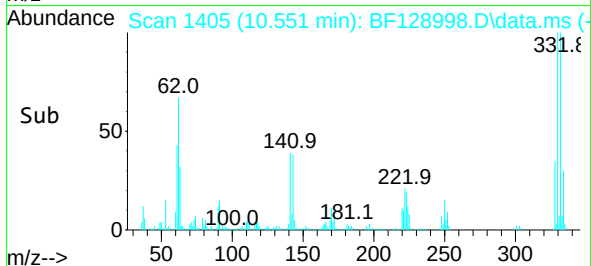


Tgt Ion: 330 Resp: 50620
Ion Ratio Lower Upper
330 100
332 97.3 76.8 115.2
141 35.1 28.0 42.0

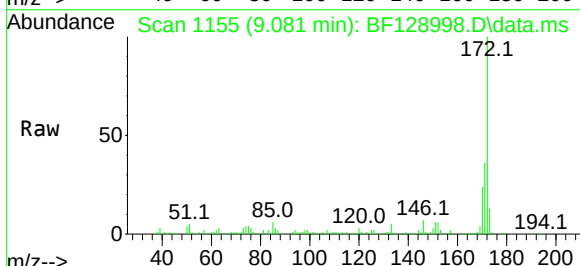
Manual Integrations

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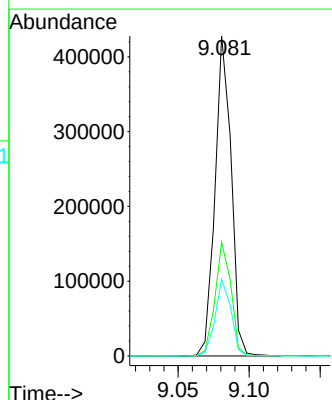
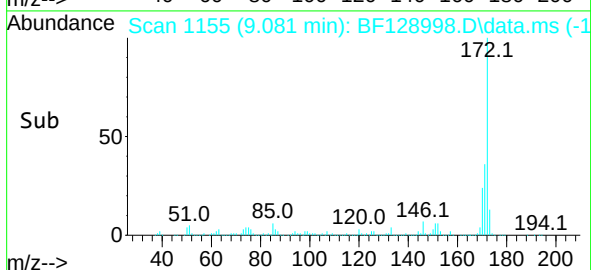
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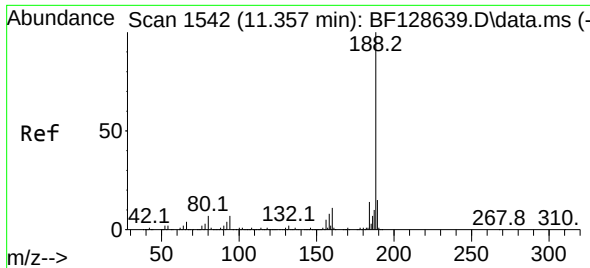


#45
2-Fluorobiphenyl
Concen: 23.718 ng
RT: 9.081 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27



Tgt Ion: 172 Resp: 337175
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.0 19.8 29.8





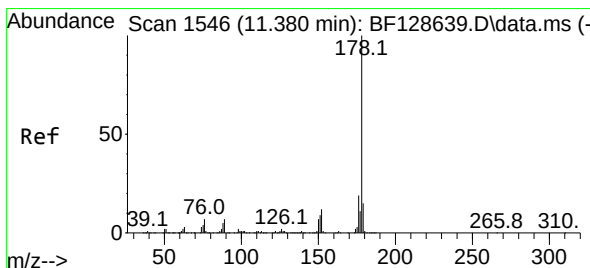
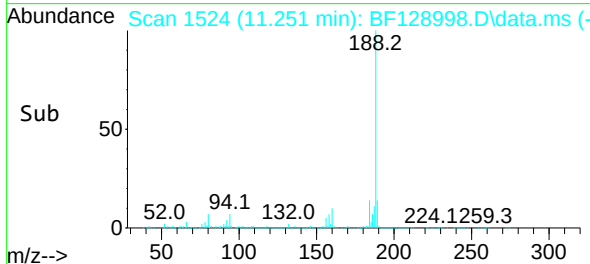
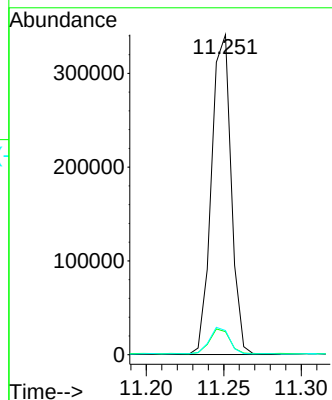
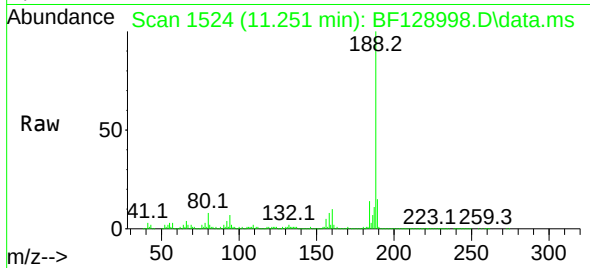
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

Tgt Ion:188 Resp: 30222
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 7.5 7.6 11.4

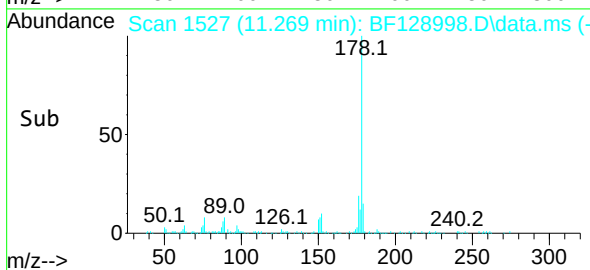
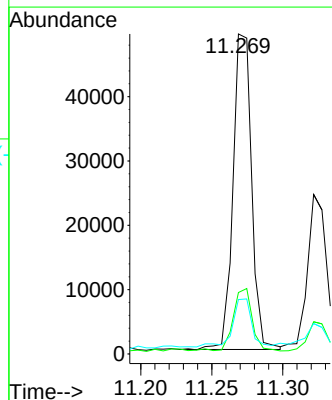
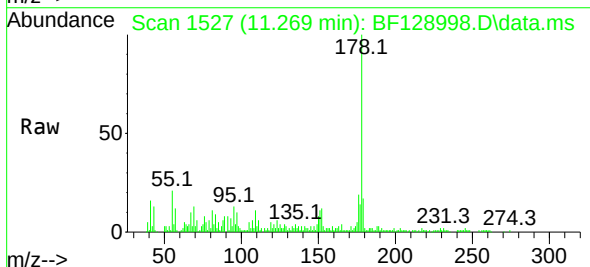
Manual Integrations
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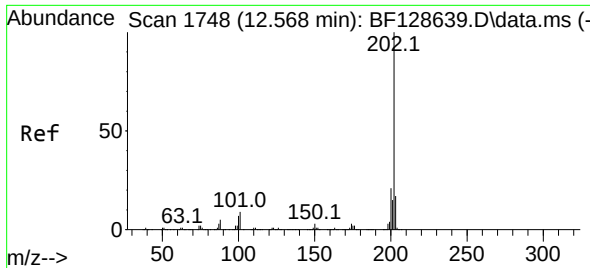
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#71
Phenanthrene
Concen: 2.950 ng
RT: 11.269 min Scan# 1527
Delta R.T. -0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:178 Resp: 44725
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 17.0 12.6 19.0





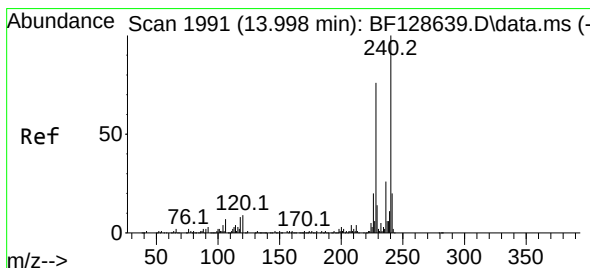
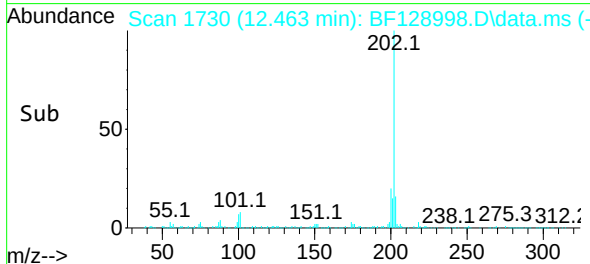
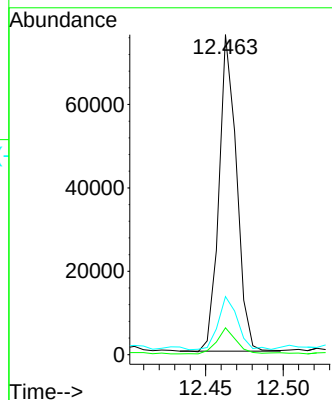
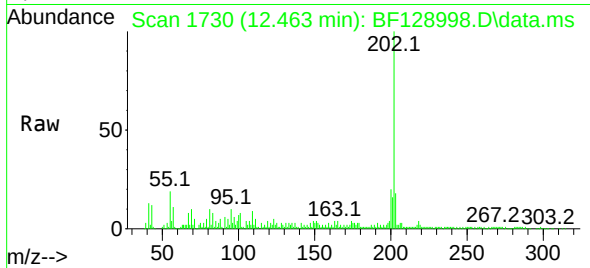
#75
Fluoranthene
Concen: 3.768 ng
RT: 12.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

Tgt Ion:202 Resp: 5970
Ion Ratio Lower Upper
202 100
101 8.4 0.0 31.4
203 18.2 0.0 38.0

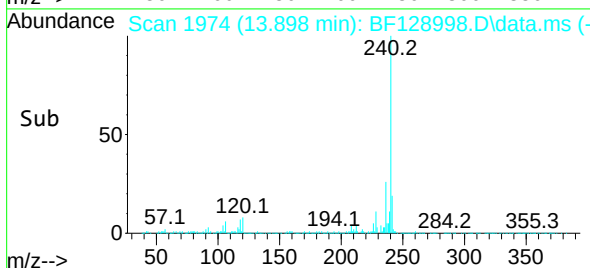
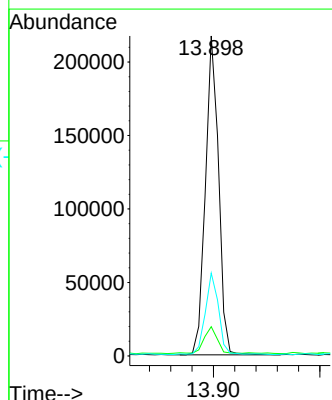
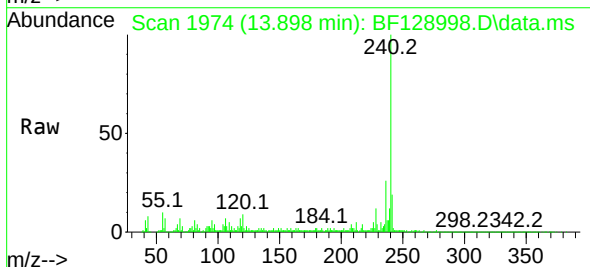
Manual Integrations
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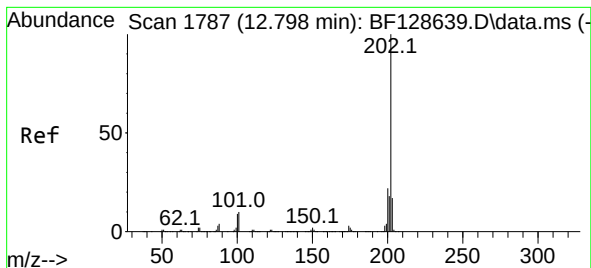
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Tgt Ion:240 Resp: 187021
Ion Ratio Lower Upper
240 100
120 9.1 8.9 13.3
236 25.9 20.8 31.2





#78

Pyrene

Concen: 8.758 ng m

RT: 12.692 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

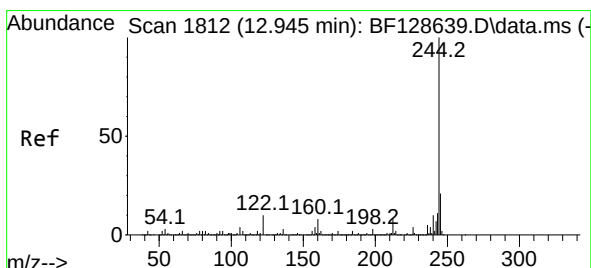
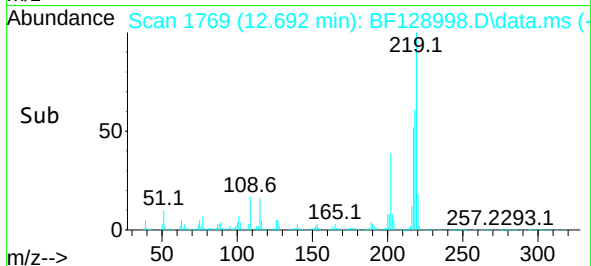
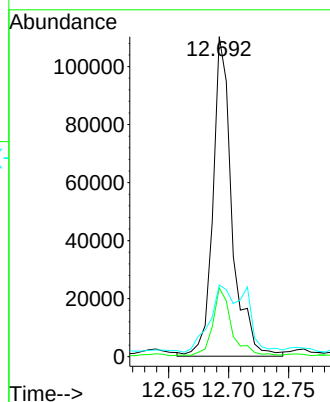
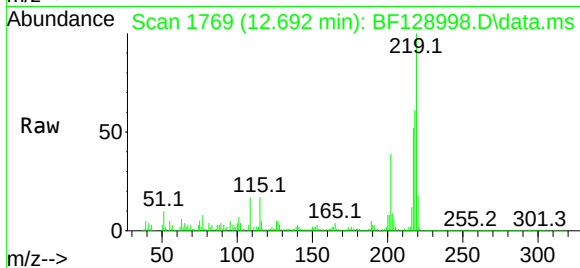
Tgt Ion:	202	Resp:	121860
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	22.4	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/27/2022

Supervised By :Jagrut Upadhyay 06/27/2022



#79

Terphenyl-d14

Concen: 19.819 ng

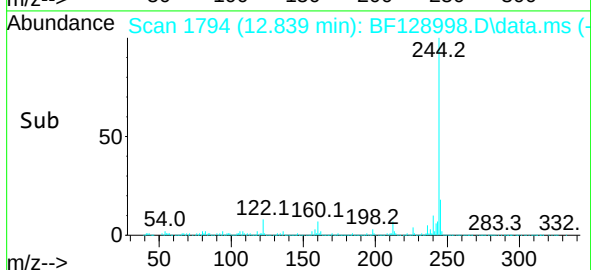
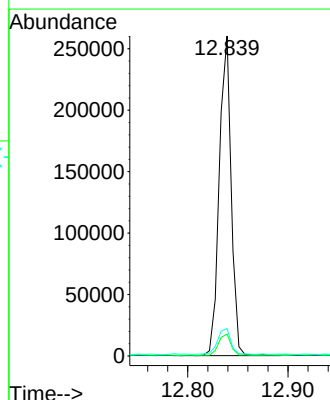
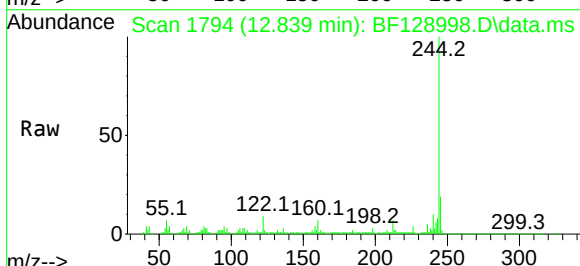
RT: 12.839 min Scan# 1794

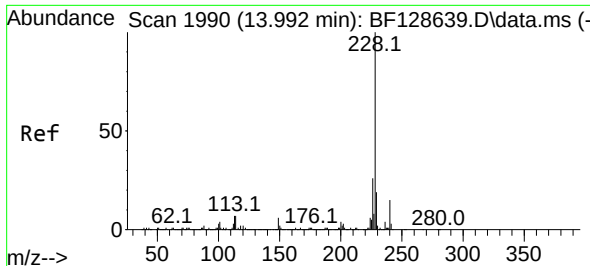
Delta R.T. 0.000 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Tgt Ion:	244	Resp:	213306
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.1	9.1
122	8.6	8.8	13.2





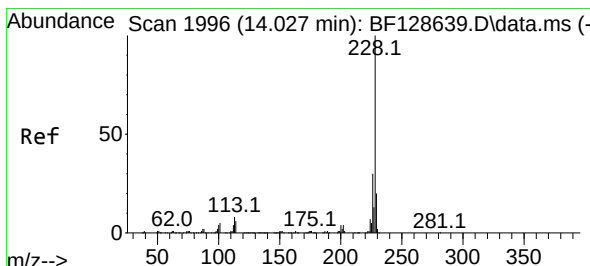
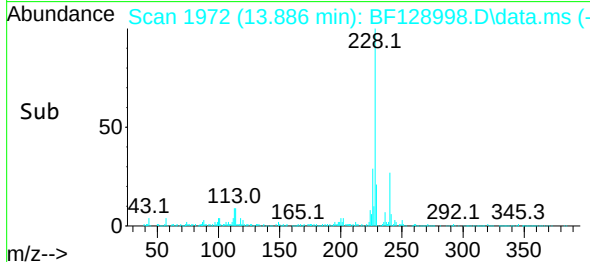
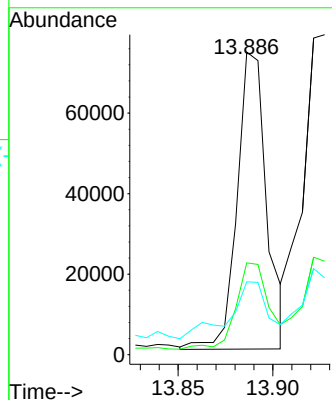
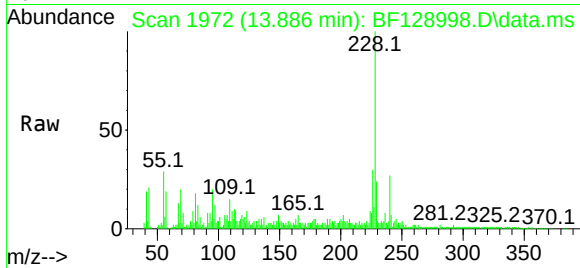
#81
Benzo(a)anthracene
Concen: 6.873 ng
RT: 13.886 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

Tgt Ion:228 Resp: 80120
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 24.1 15.8 23.8

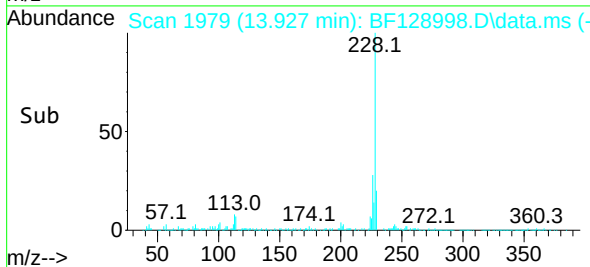
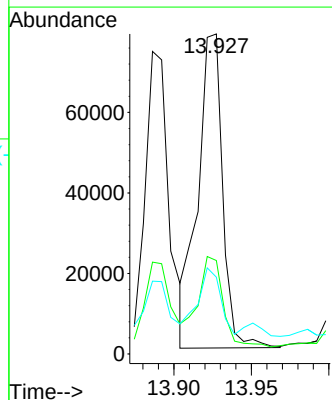
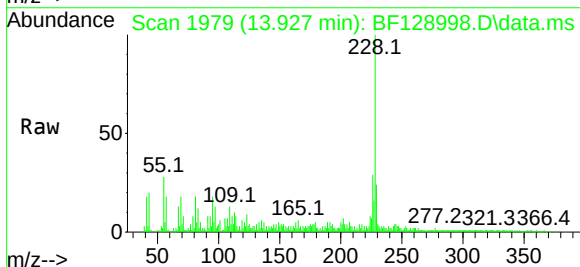
Manual Integrations
APPROVED

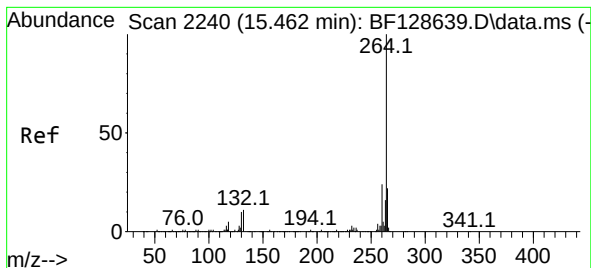
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#83
Chrysene
Concen: 7.826 ng
RT: 13.927 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

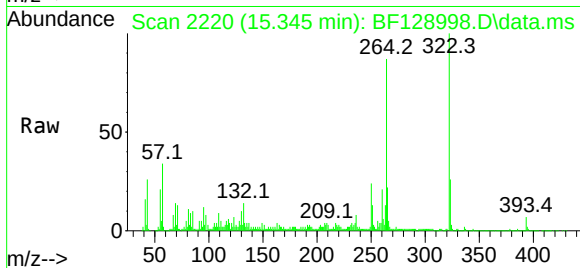
Tgt Ion:228 Resp: 86974
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 24.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

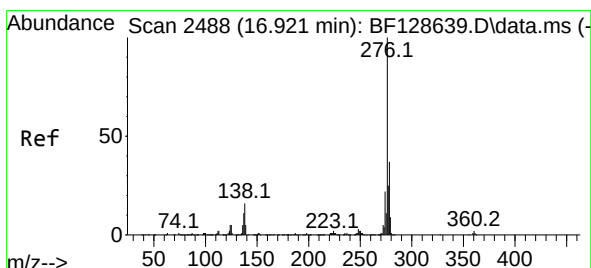
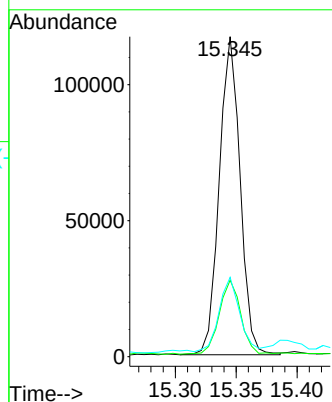
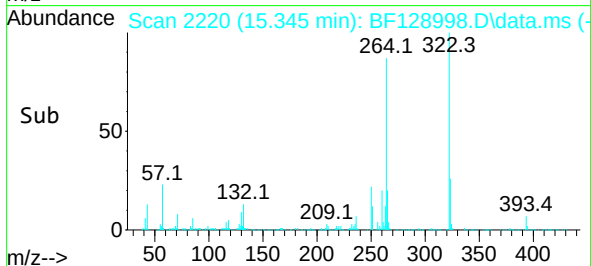
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1



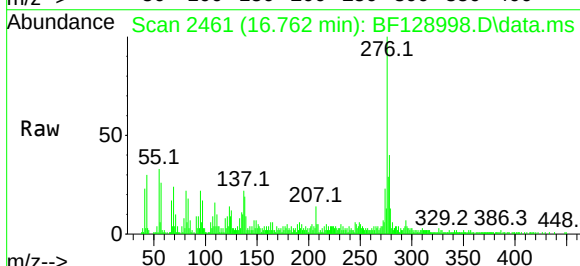
Tgt Ion:264 Resp: 13927
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 24.8 17.2 25.8

Manual Integrations
APPROVED

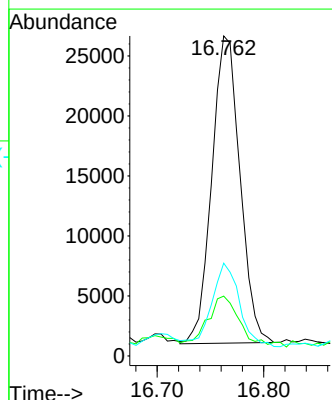
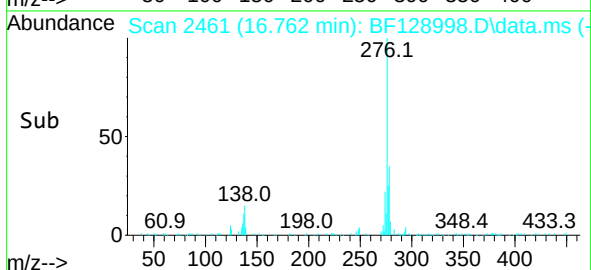
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

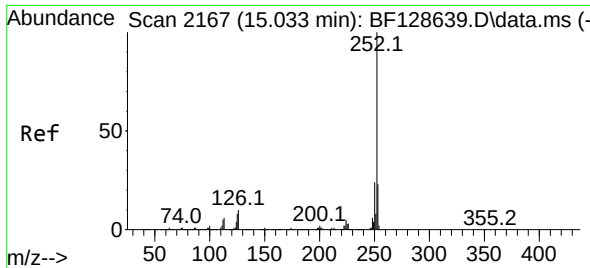


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.597 ng
RT: 16.762 min Scan# 2461
Delta R.T. 0.018 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27



Tgt Ion:276 Resp: 46981
Ion Ratio Lower Upper
276 100
138 19.4 21.1 31.7#
277 26.5 20.3 30.5





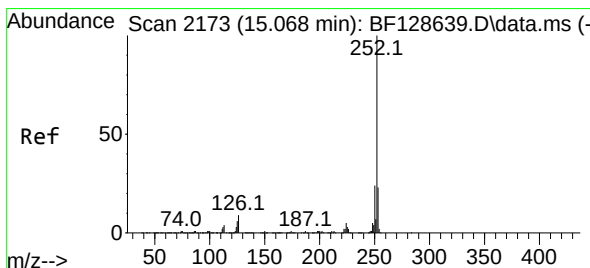
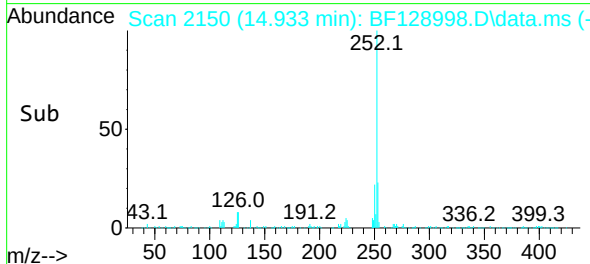
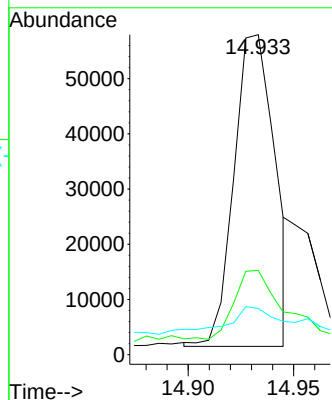
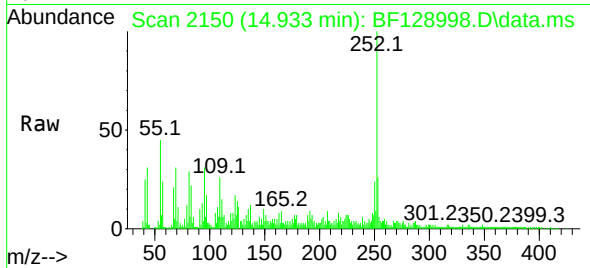
#88
Benzo(b)fluoranthene
Concen: 8.575 ng m
RT: 14.933 min Scan# 2167
Delta R.T. 0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1

Tgt Ion:252 Resp: 7631
Ion Ratio Lower Upper
252 100
253 26.3 17.7 26.5
125 14.5 8.0 12.0

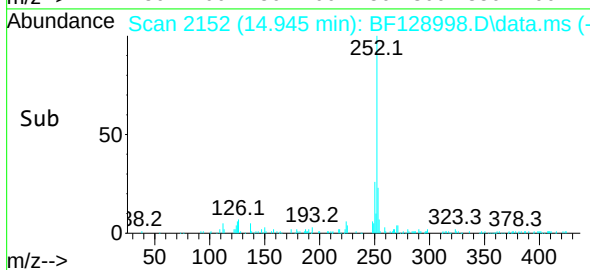
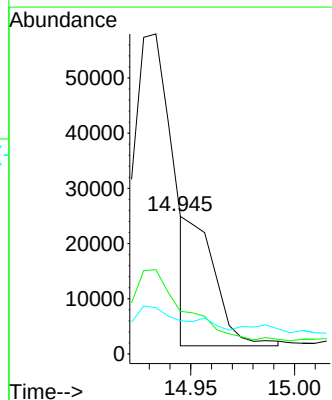
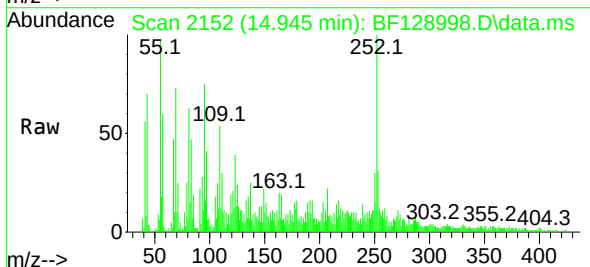
Manual Integrations
APPROVED

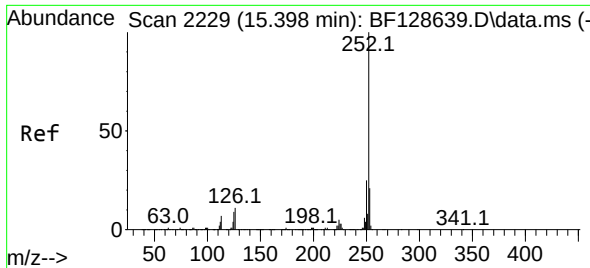
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#89
Benzo(k)fluoranthene
Concen: 2.627 ng m
RT: 14.945 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

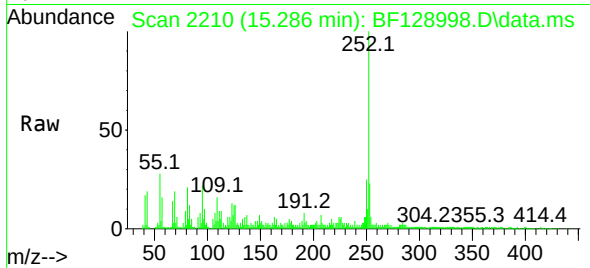
Tgt Ion:252 Resp: 21990
Ion Ratio Lower Upper
252 100
253 31.0 17.8 26.6#
125 24.2 8.3 12.5#





#90
Benzo(a)pyrene
Concen: 14.178 ng
RT: 15.286 min Scan# 2116
Delta R.T. 0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27

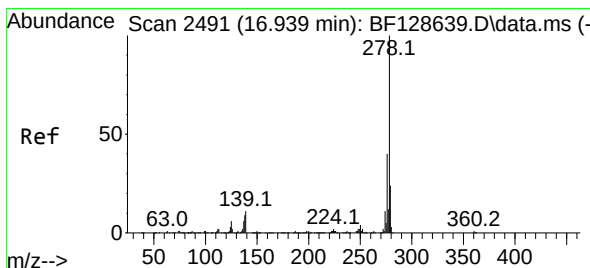
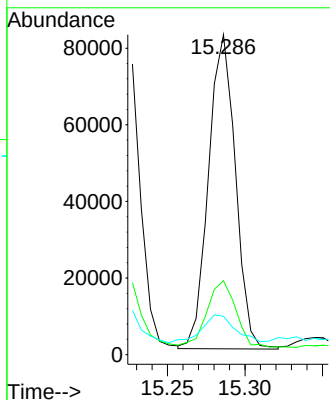
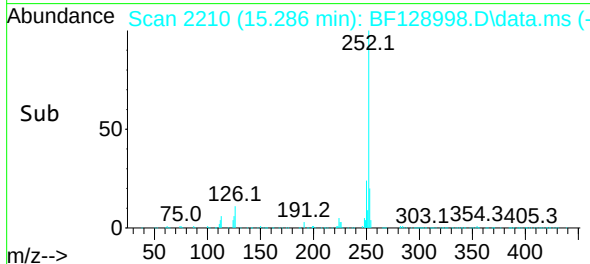
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-1



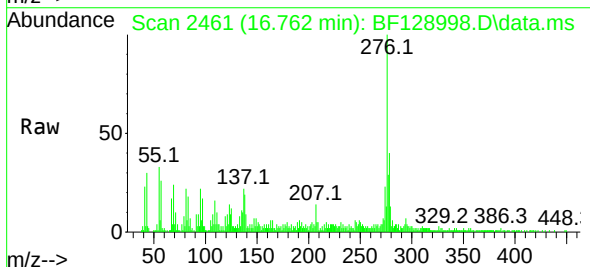
Tgt Ion:252 Resp: 9916
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 12.0 8.8 13.2

Manual Integrations
APPROVED

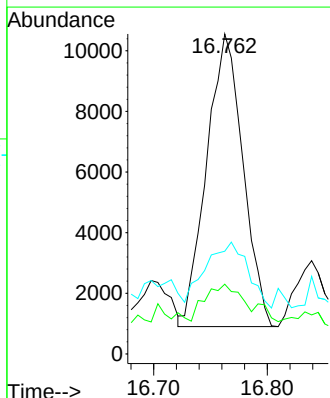
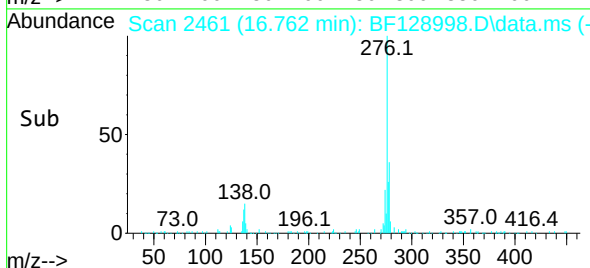
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

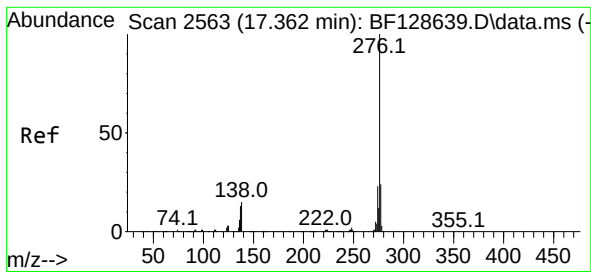


#91
Dibenzo(a,h)anthracene
Concen: 3.084 ng
RT: 16.762 min Scan# 2461
Delta R.T. 0.012 min
Lab File: BF128998.D
Acq: 24 Jun 2022 19:27



Tgt Ion:278 Resp: 21470
Ion Ratio Lower Upper
278 100
139 21.8 12.8 19.2#
279 32.1 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 11.971 ng m

RT: 17.192 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF128998.D

Acq: 24 Jun 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SP-EXC-2-1

Tgt Ion:276 Resp: 8260

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 17.7 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/27/2022

Supervised By :Jagrut Upadhyay 06/27/2022

