

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
 Data File : BF128056.D
 Acq On : 03 May 2022 20:09
 Operator : CG\JU
 Sample : N2659-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2022
 Supervised By : Jagrut Upadhyay 05/04/2022

Quant Time: May 04 04:28:01 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	90438	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	343034	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	167591	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	256560	20.000	ng	0.00
76) Chrysene-d12	14.098	240	183335	20.000	ng	0.00
86) Perylene-d12	15.610	264	139775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	33110	5.831	ng	0.00
7) Phenol-d6	6.540	99	356776	48.425	ng	-0.01
23) Nitrobenzene-d5	7.481	82	533590	73.146	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	1939	1.149	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	841066	84.901	ng	0.00
79) Terphenyl-d14	13.039	244	715602	71.373	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.222	128	49925	2.858	ng	99
37) 2-Methylnaphthalene	8.910	142	50963	4.414	ng	97
52) Acenaphthene	9.992	154	25991	2.674	ng	98
55) Dibenzofuran	10.163	168	32899	2.346	ng	97
58) Fluorene	10.504	166	28441	2.718	ng	98
71) Phenanthrene	11.474	178	254514	18.951	ng	99
72) Anthracene	11.527	178	61241	4.578	ng	99
75) Fluoranthene	12.669	202	260079	18.401	ng	97
78) Pyrene	12.898	202	238048	16.085	ng	99
81) Benzo(a)anthracene	14.086	228	109076	8.926	ng	97
83) Chrysene	14.121	228	94829	8.126	ng	96
87) Indeno(1,2,3-cd)pyrene	17.139	276	31334	3.359	ng	# 94
88) Benzo(b)fluoranthene	15.157	252	95401m	10.867	ng	
89) Benzo(k)fluoranthene	15.186	252	24402m	2.759	ng	
90) Benzo(a)pyrene	15.539	252	60577	8.319	ng	# 93
92) Benzo(g,h,i)perylene	17.609	276	30053	3.811	ng	# 92

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

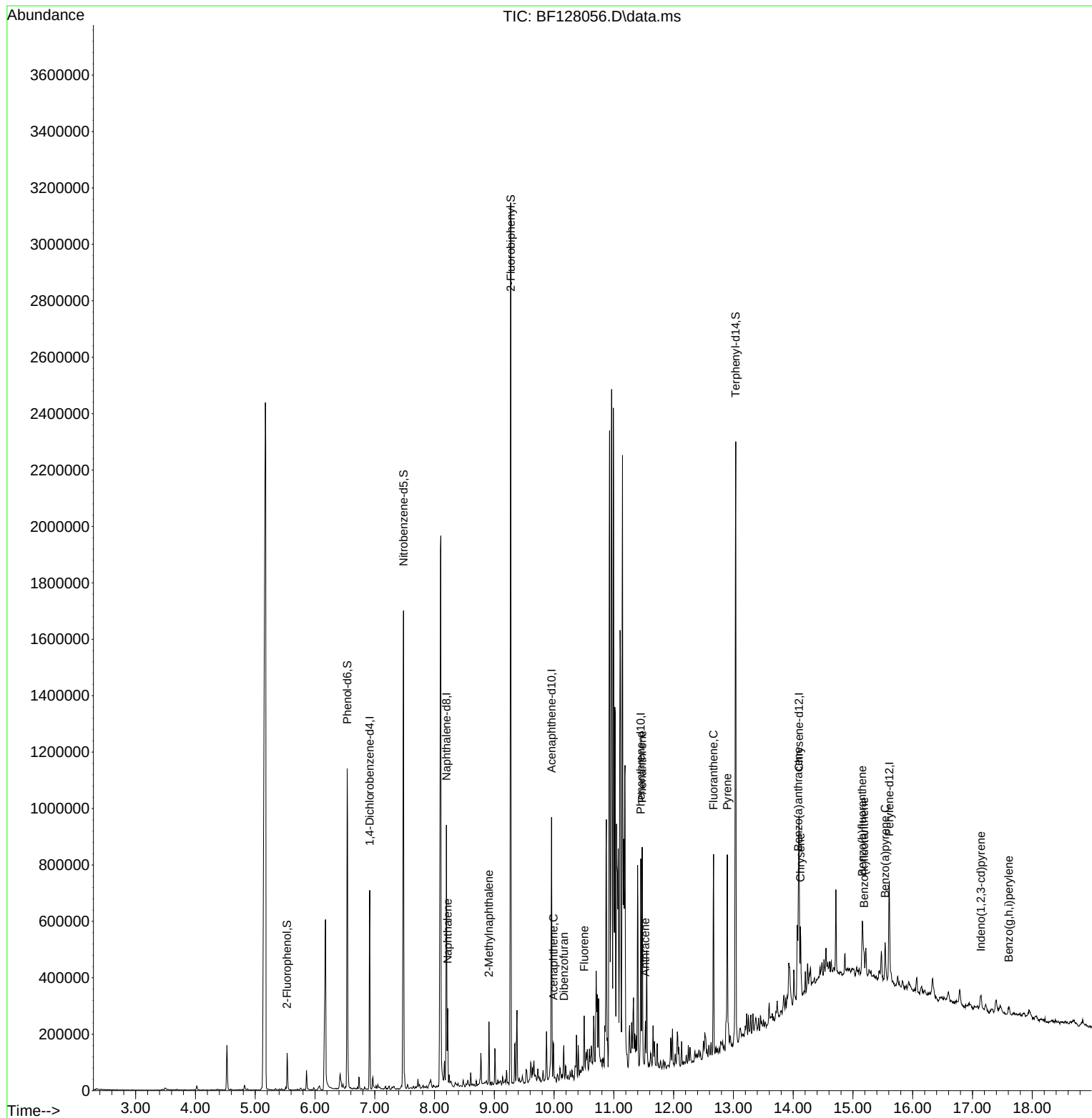
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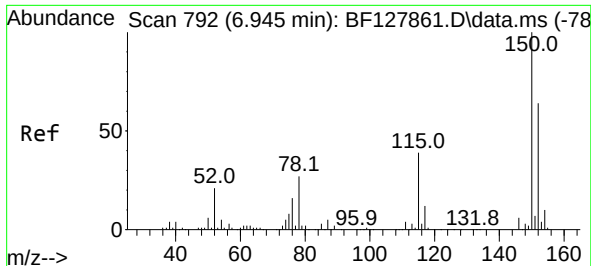
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Quant Time: May 04 04:28:01 2022
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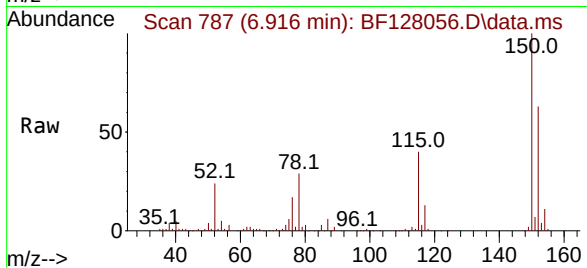
Reviewed By : Christian Giraldo 05/04/2022
Supervised By : Jagrut Upadhyay 05/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

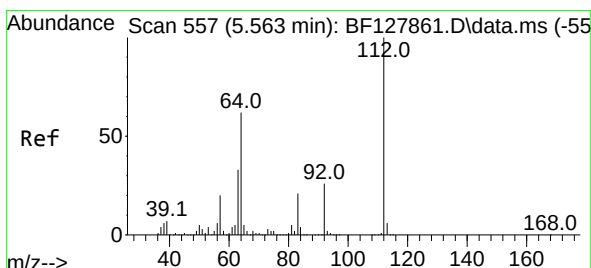
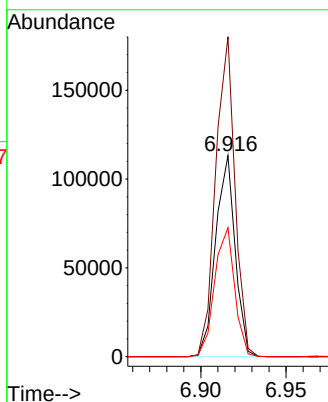
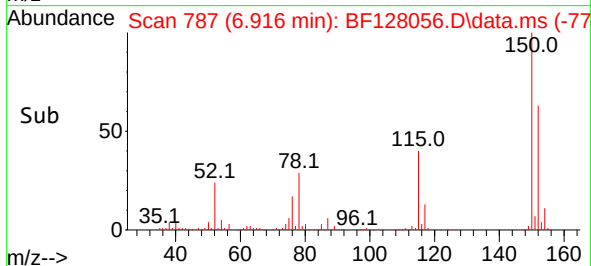
Instrument :
BNA_F
ClientSampleId :
22L097-D



Tgt Ion:152 Resp: 90438
Ion Ratio Lower Upper
152 100
150 159.1 125.3 187.9
115 64.2 48.8 73.2

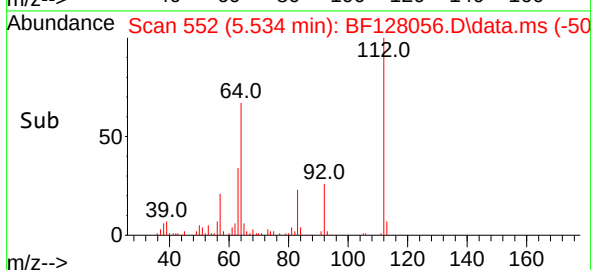
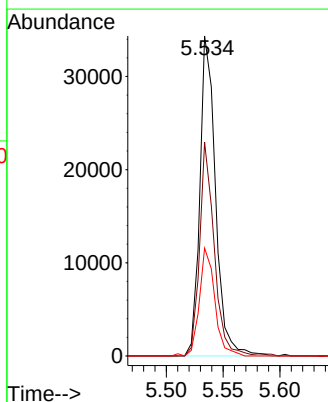
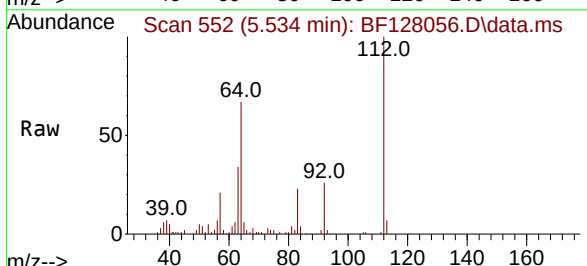
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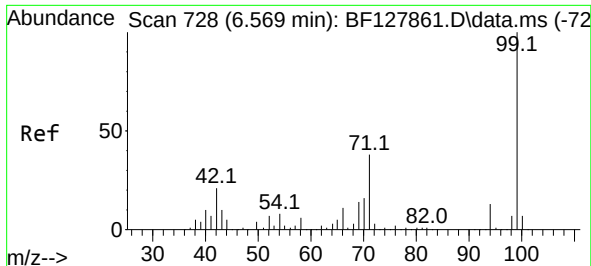
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#5
2-Fluorophenol
Concen: 5.831 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

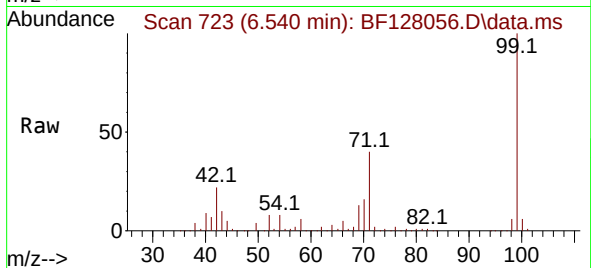
Tgt Ion:112 Resp: 33110
Ion Ratio Lower Upper
112 100
64 66.9 49.5 74.3
63 33.7 26.3 39.5





#7
Phenol-d6
Concen: 48.425 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

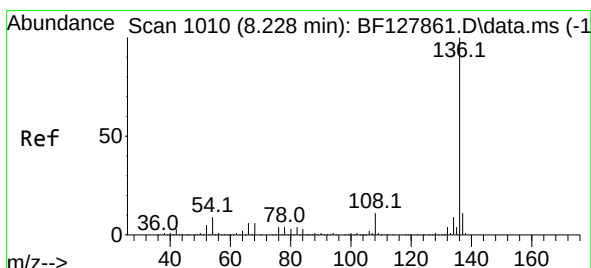
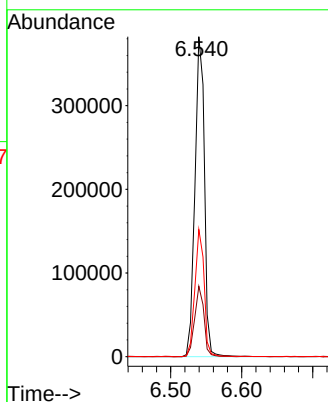
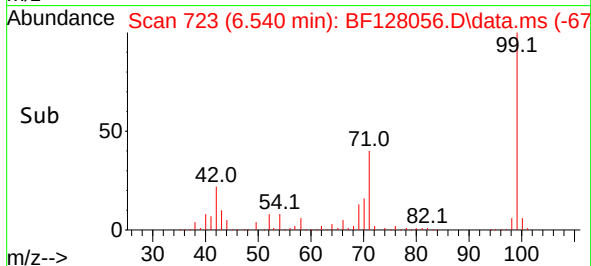
Instrument :
BNA_F
ClientSampleId :
22L097-D



Tgt Ion: 99 Resp: 356770
Ion Ratio Lower Upper
99 100
42 22.0 16.6 24.8
71 39.7 30.0 45.0

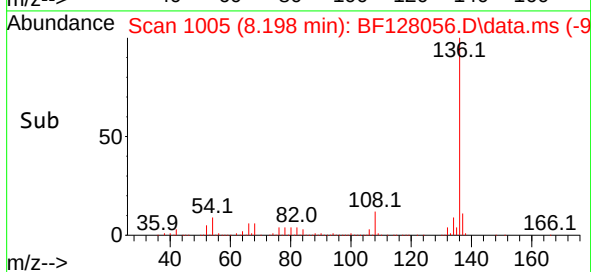
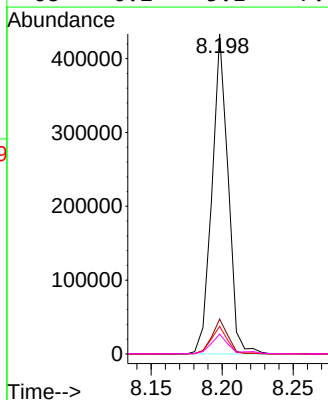
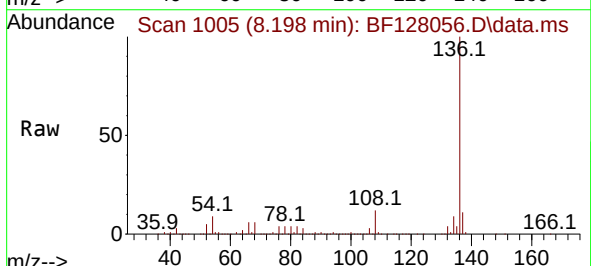
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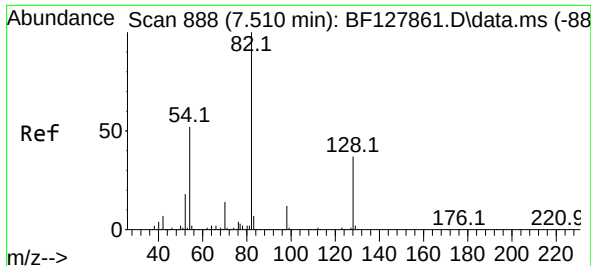
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:136 Resp: 343034
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 6.8 10.2
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 73.146 ng

RT: 7.481 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

Tgt Ion: 82 Resp: 533590

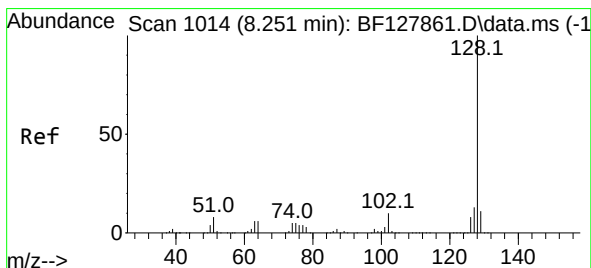
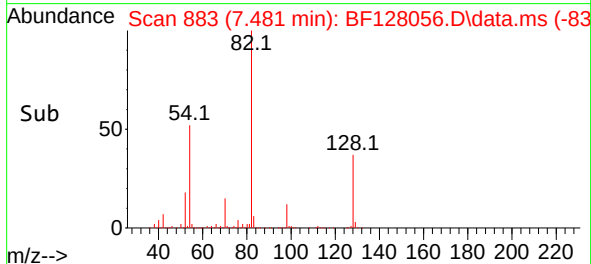
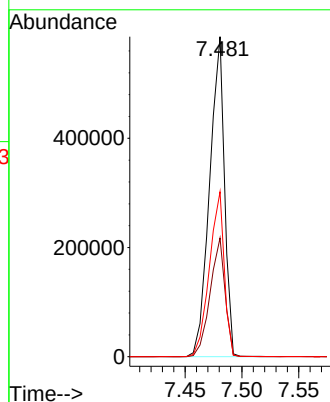
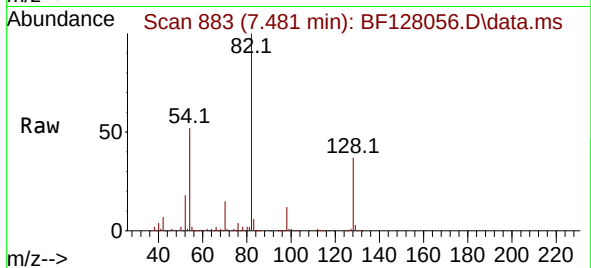
Ion	Ratio	Lower	Upper
82	100		
128	37.1	30.0	45.0
54	51.6	41.3	61.9

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#31

Naphthalene

Concen: 2.858 ng

RT: 8.222 min Scan# 1009

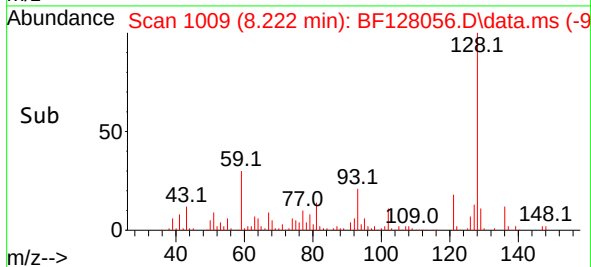
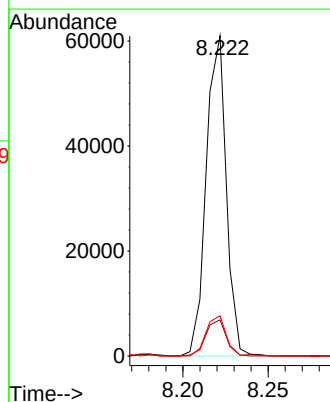
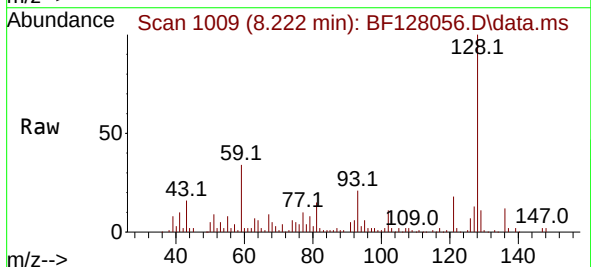
Delta R.T. -0.006 min

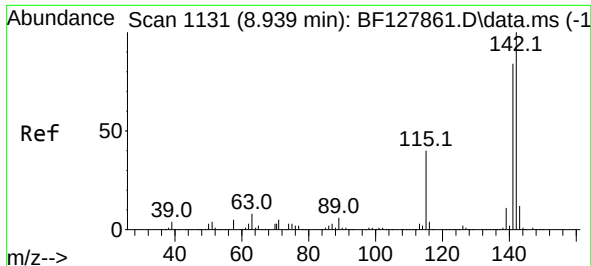
Lab File: BF128056.D

Acq: 03 May 2022 20:09

Tgt Ion:128 Resp: 49925

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	12.5	10.6	16.0





#37

2-Methylnaphthalene

Concen: 4.414 ng

RT: 8.910 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

Tgt Ion:142 Resp: 5096

Ion Ratio Lower Upper

142 100

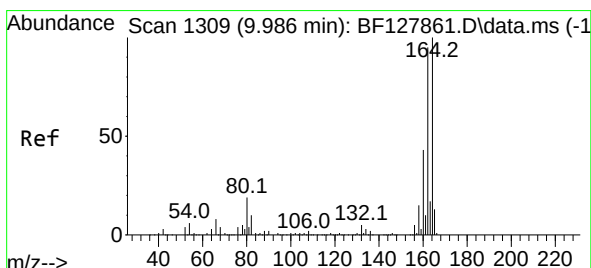
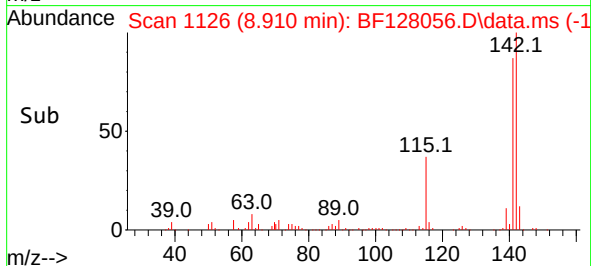
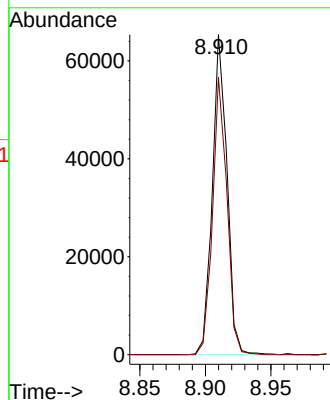
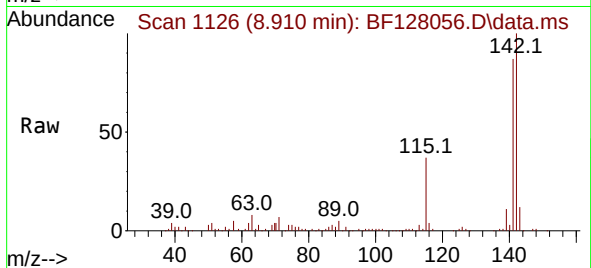
141 86.7 67.4 101.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

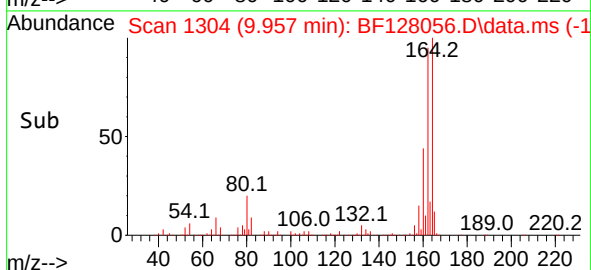
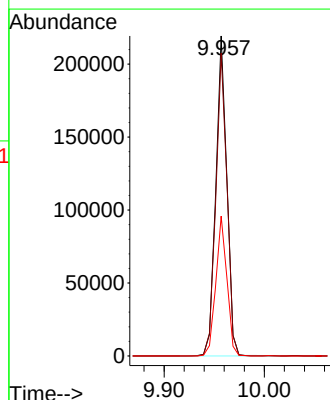
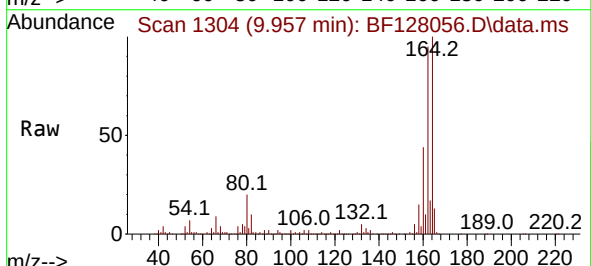
Tgt Ion:164 Resp: 167591

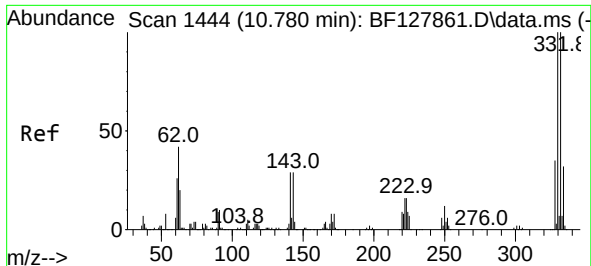
Ion Ratio Lower Upper

164 100

162 94.6 76.0 114.0

160 43.7 34.8 52.2





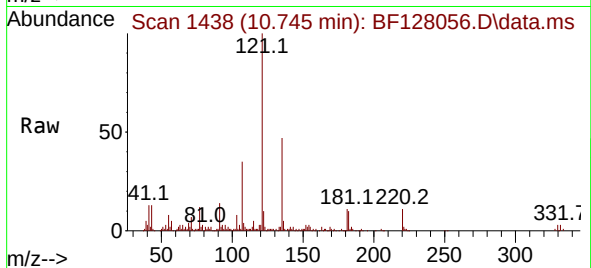
#42
2,4,6-Tribromophenol
Concen: 1.149 ng
RT: 10.745 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D



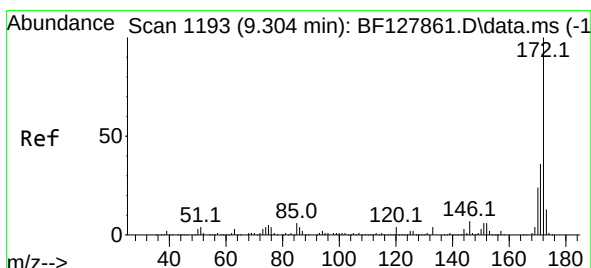
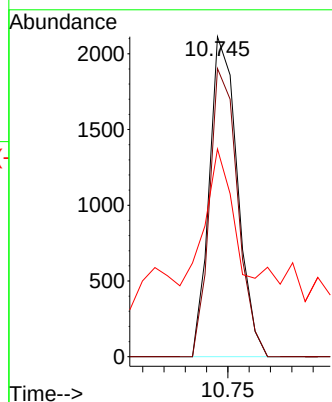
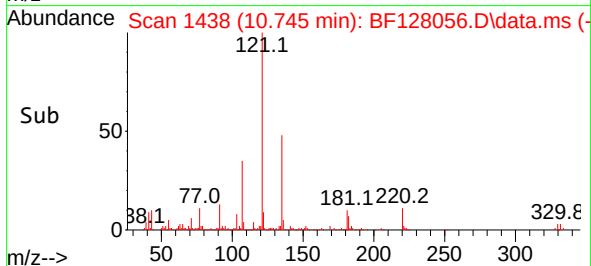
Tgt Ion: 330 Resp: 1939
Ion Ratio Lower Upper
330 100
332 90.3 79.0 118.4
141 39.8 28.9 43.3

Manual Integrations

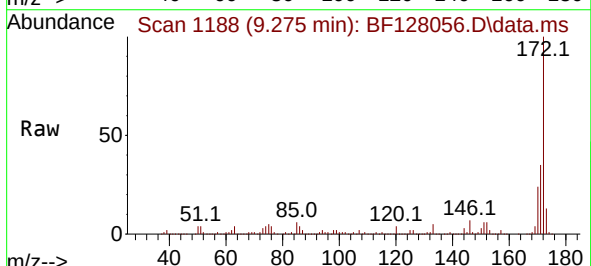
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Reviewed By : Christian Giraldo 05/04/2022

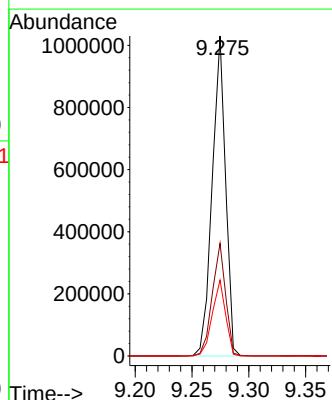
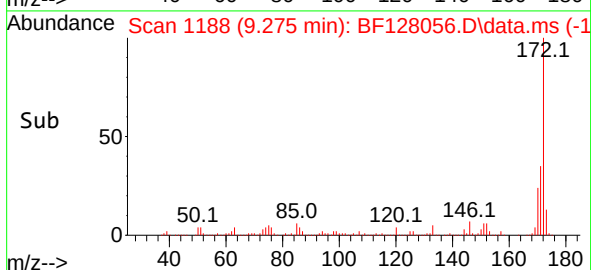
Supervised By : Jagrut Upadhyay 05/04/2022

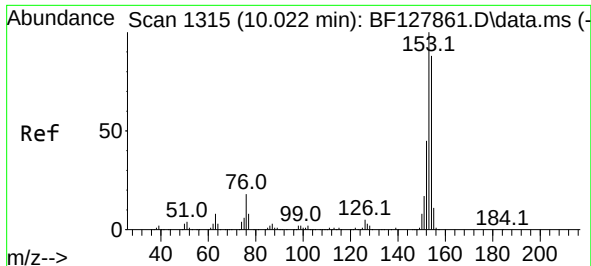


#45
2-Fluorobiphenyl
Concen: 84.901 ng
RT: 9.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09



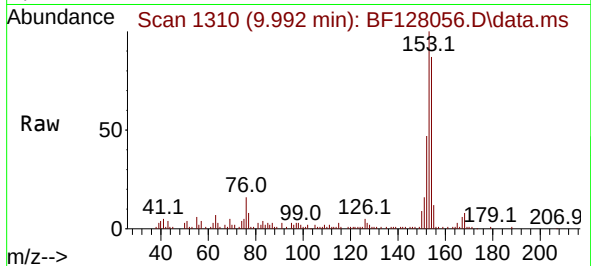
Tgt Ion: 172 Resp: 841066
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.7 19.1 28.7





#52
Acenaphthene
Concen: 2.674 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

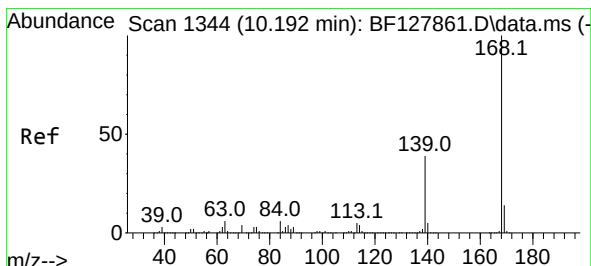
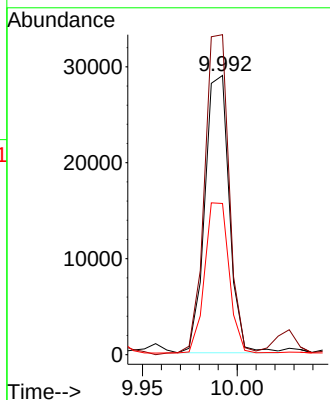
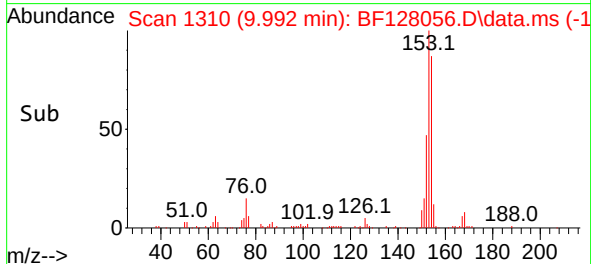
Instrument :
BNA_F
ClientSampleId :
22L097-D



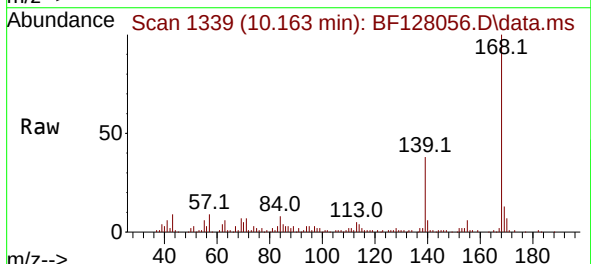
Tgt Ion:154 Resp: 2599
Ion Ratio Lower Upper
154 100
153 114.6 90.5 135.7
152 54.1 41.0 61.6

Manual Integrations
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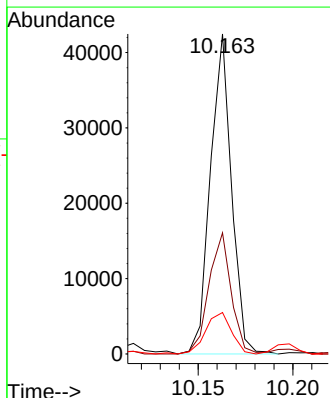
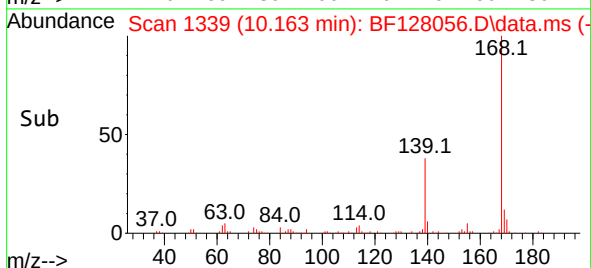
Reviewed By :Christian Giraldo 05/04/2022
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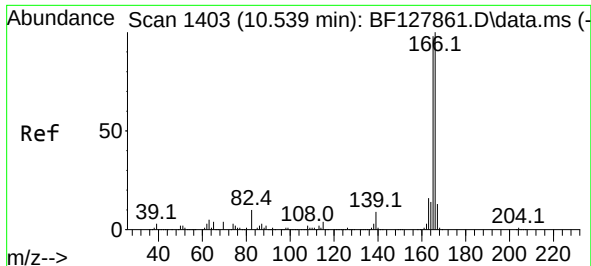


#55
Dibenzofuran
Concen: 2.346 ng
RT: 10.163 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09



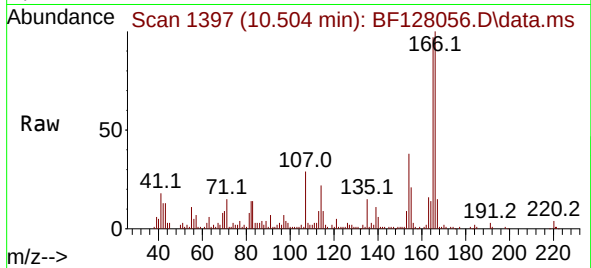
Tgt Ion:168 Resp: 32899
Ion Ratio Lower Upper
168 100
139 37.8 31.7 47.5
169 12.9 10.9 16.3





#58
Fluorene
Concen: 2.718 ng
RT: 10.504 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

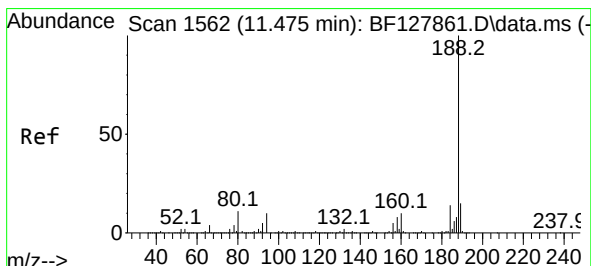
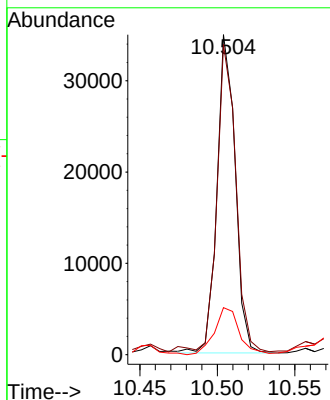
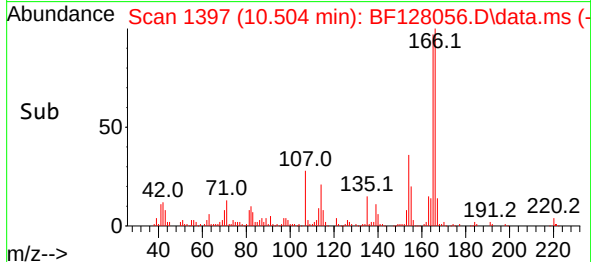
Instrument :
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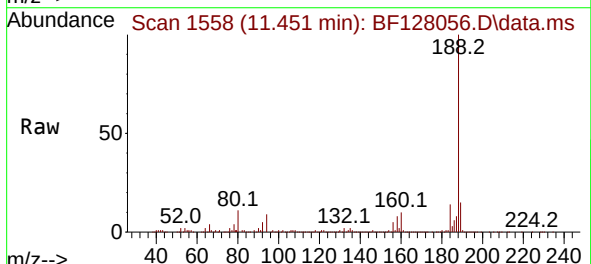
Tgt Ion:166 Resp: 2844
Ion Ratio Lower Upper
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165 96.9 78.6 117.8
167 14.7 10.5 15.7

Manual Integrations
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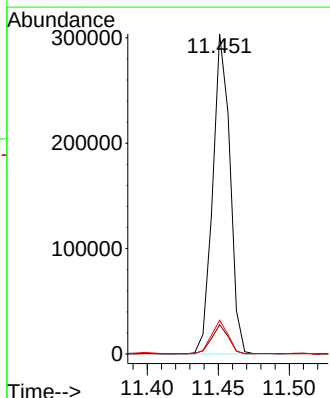
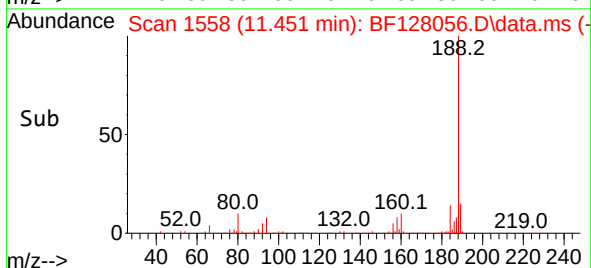
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

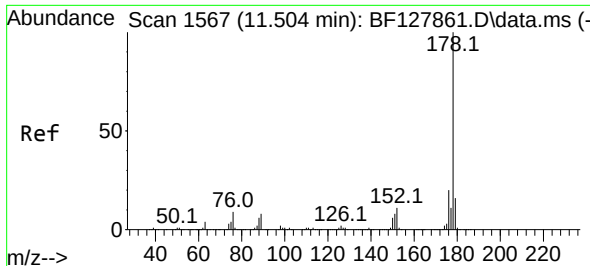


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09



Tgt Ion:188 Resp: 256560
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.6 8.9 13.3





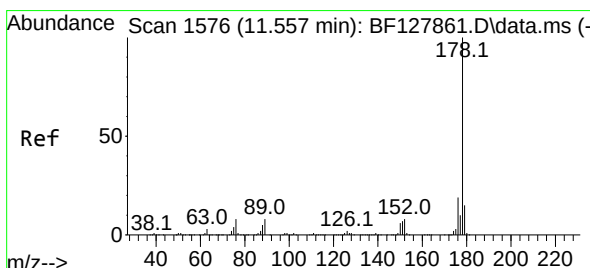
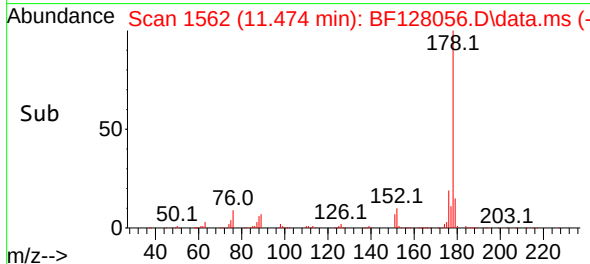
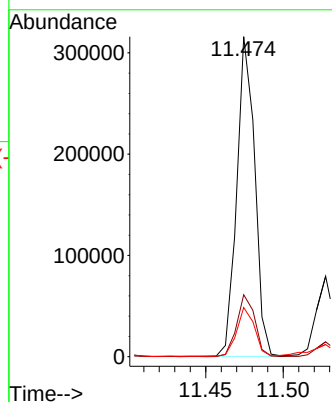
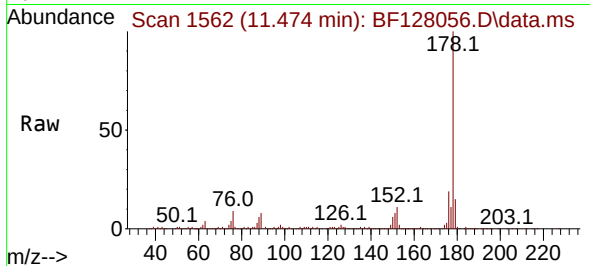
#71
Phenanthrene
Concen: 18.951 ng
RT: 11.474 min Scan# 11571
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Instrument :
BNA_F
ClientSampleId :
22L097-D

Tgt Ion:178 Resp: 254514
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.4 12.6 19.0

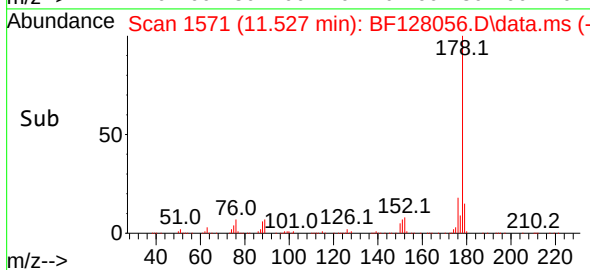
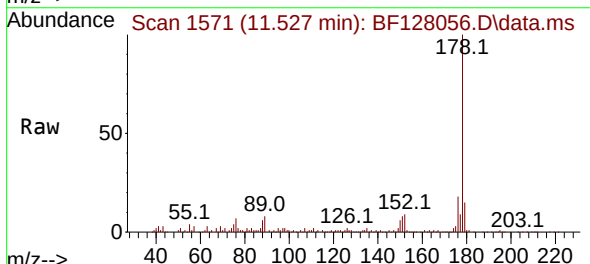
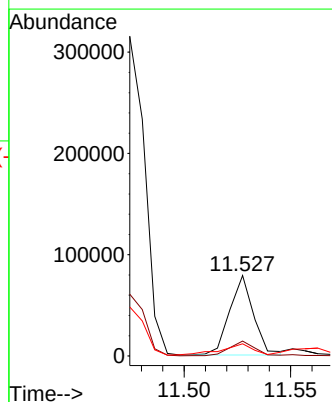
Manual Integrations
APPROVED

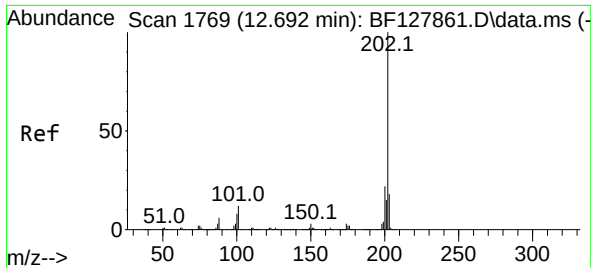
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#72
Anthracene
Concen: 4.578 ng
RT: 11.527 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

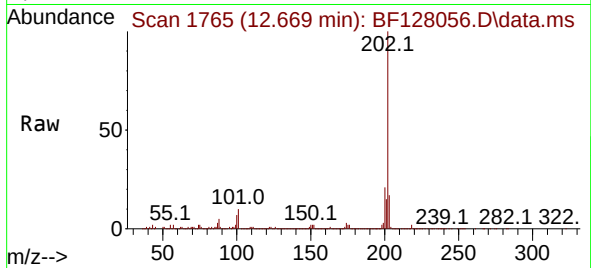
Tgt Ion:178 Resp: 61241
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.0 12.4 18.6





#75
Fluoranthene
Concen: 18.401 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

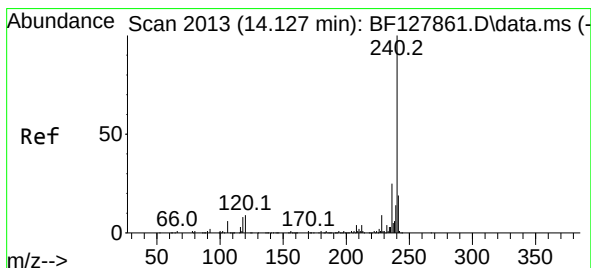
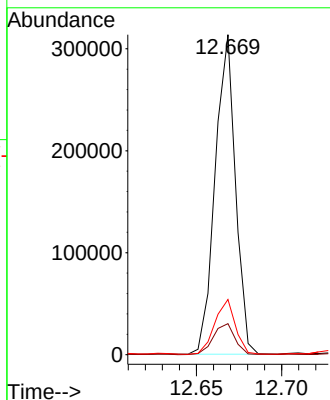
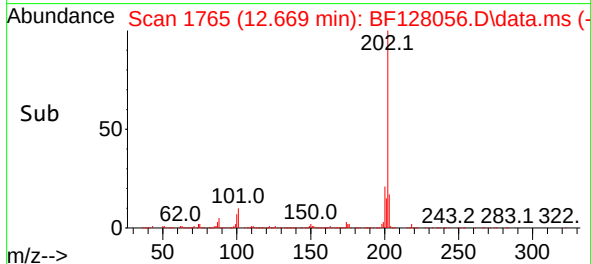
Instrument :
BNA_F
ClientSampleId :
22L097-D



Tgt Ion:202 Resp: 260079
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.6
203 17.2 0.0 38.1

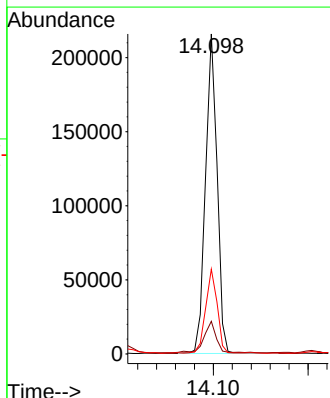
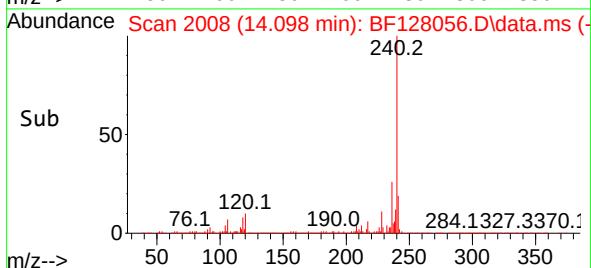
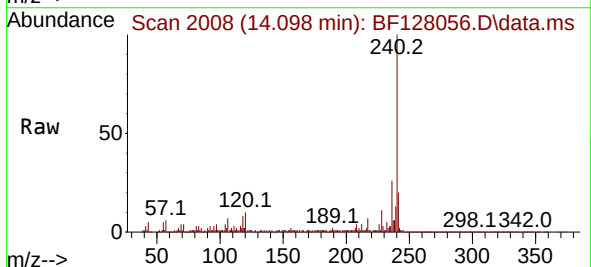
Manual Integrations
APPROVED

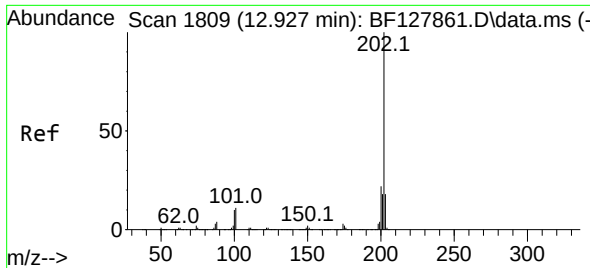
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

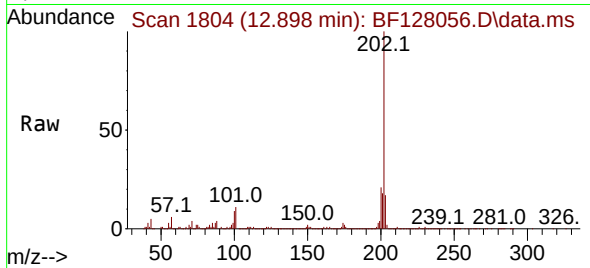
Tgt Ion:240 Resp: 183335
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.6
236 26.5 20.3 30.5





#78
Pyrene
Concen: 16.085 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

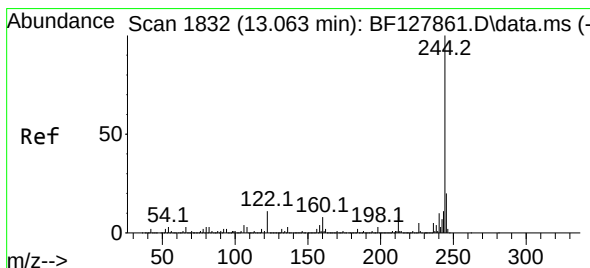
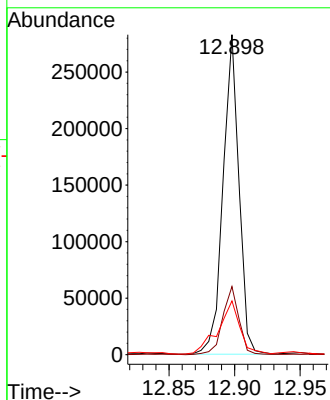
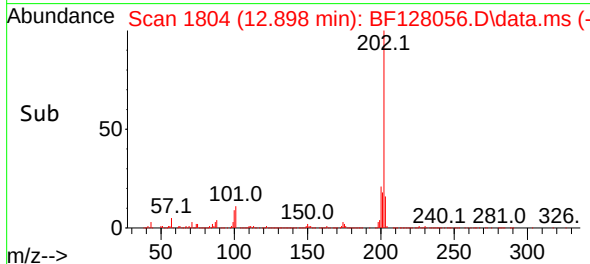
Instrument :
BNA_F
ClientSampleId :
22L097-D



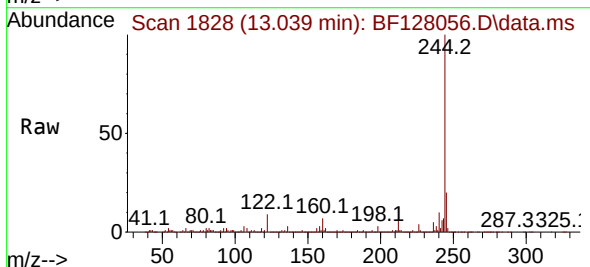
Tgt Ion:202 Resp: 23804
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 16.8 14.0 21.0

Manual Integrations
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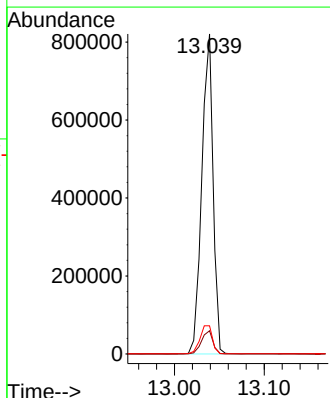
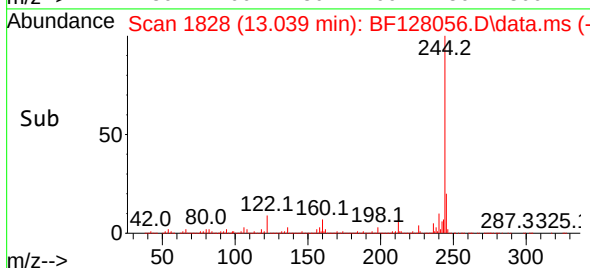
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

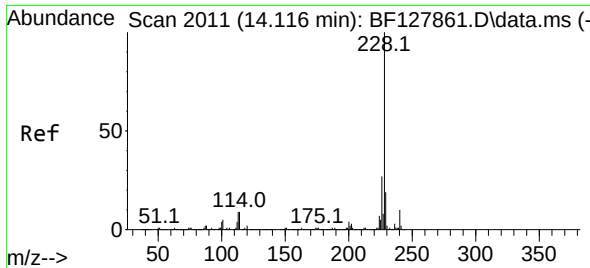


#79
Terphenyl-d14
Concen: 71.373 ng
RT: 13.039 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09



Tgt Ion:244 Resp: 715602
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 8.8 8.6 12.8





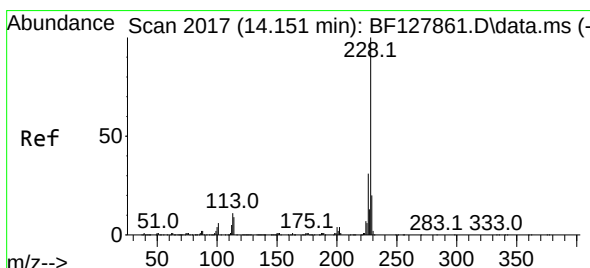
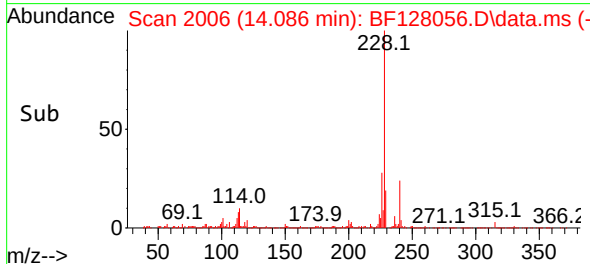
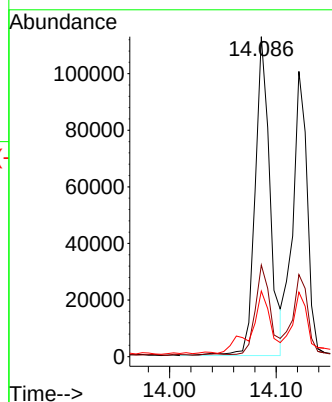
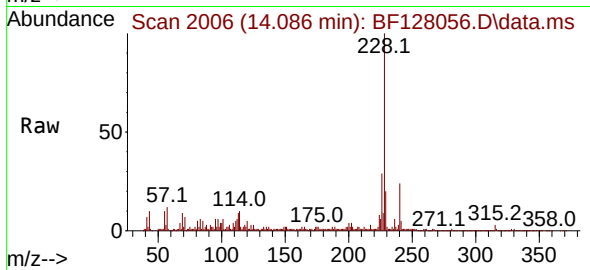
#81
Benzo(a)anthracene
Concen: 8.926 ng
RT: 14.086 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Instrument :
BNA_F
ClientSampleId :
22L097-D

Tgt Ion:228 Resp: 109070
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 20.5 15.4 23.2

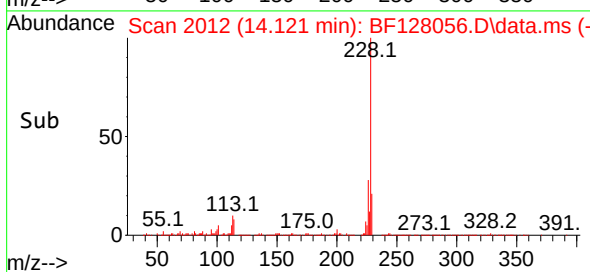
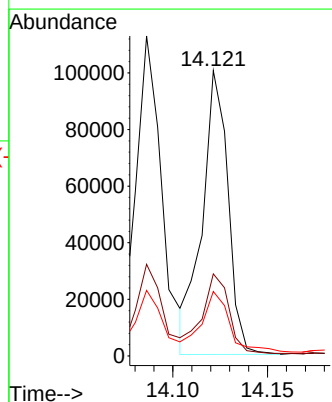
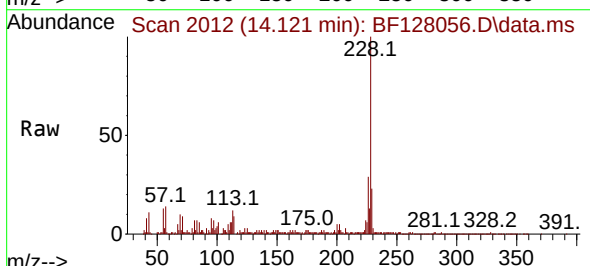
Manual Integrations
APPROVED

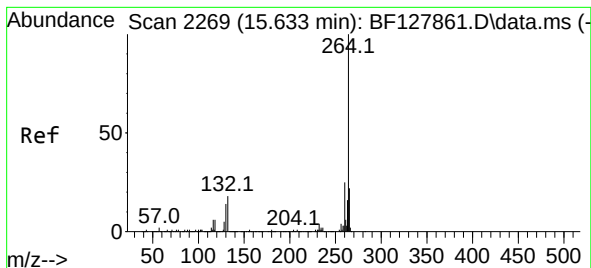
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#83
Chrysene
Concen: 8.126 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

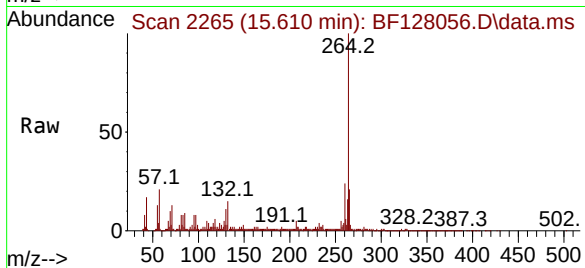
Tgt Ion:228 Resp: 94829
Ion Ratio Lower Upper
228 100
226 28.8 24.4 36.6
229 22.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

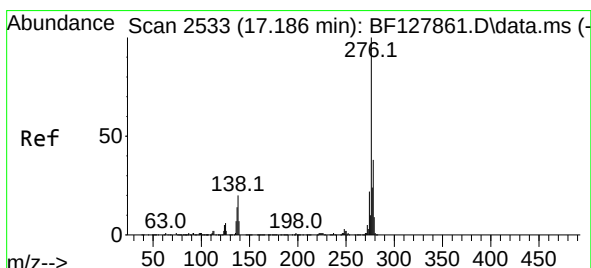
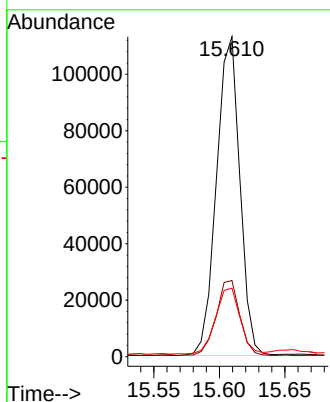
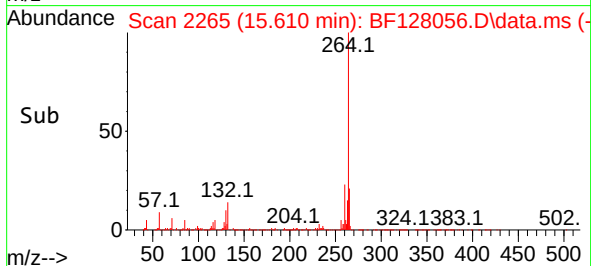
Instrument :
BNA_F
ClientSampleId :
22L097-D



Tgt Ion:264 Resp: 13977
Ion Ratio Lower Upper
264 100
260 23.8 20.1 30.1
265 21.4 17.5 26.3

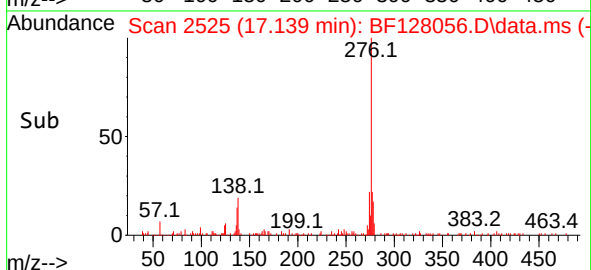
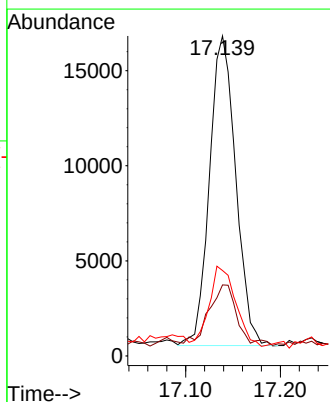
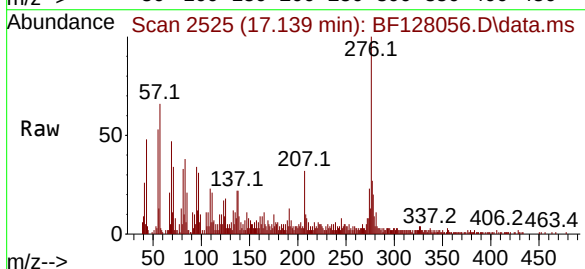
Manual Integrations
APPROVED

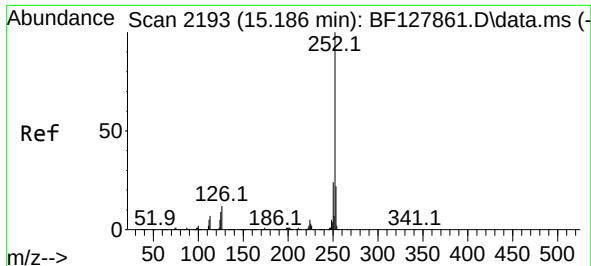
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.359 ng
RT: 17.139 min Scan# 2525
Delta R.T. -0.024 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

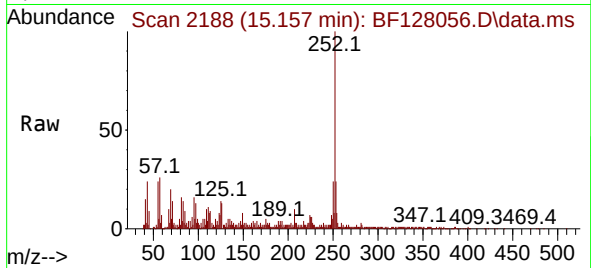
Tgt Ion:276 Resp: 31334
Ion Ratio Lower Upper
276 100
138 18.6 19.0 28.4#
277 26.1 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 10.867 ng m
RT: 15.157 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

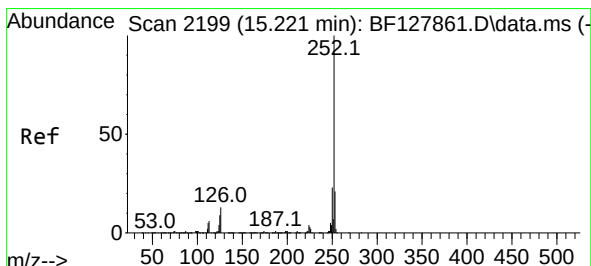
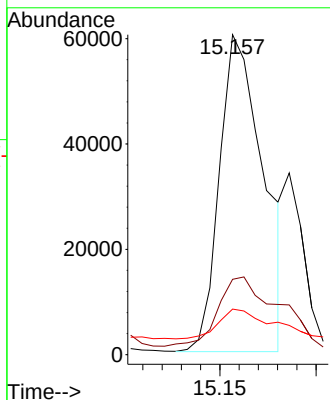
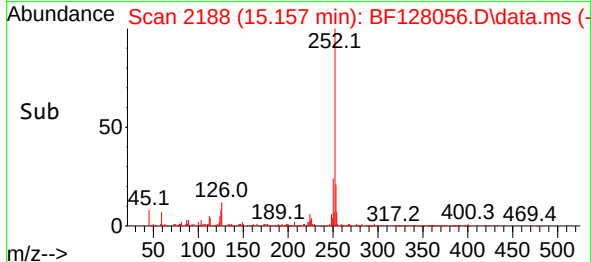
Instrument :
BNA_F
ClientSampleId :
22L097-D



Tgt Ion:252 Resp: 9540
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 14.3 7.4 11.2

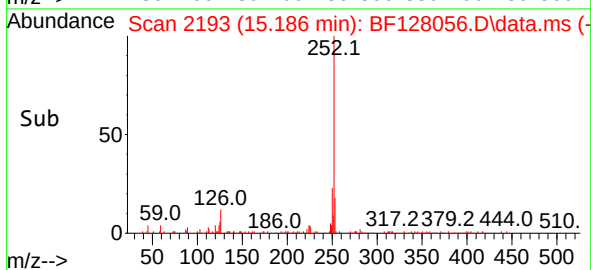
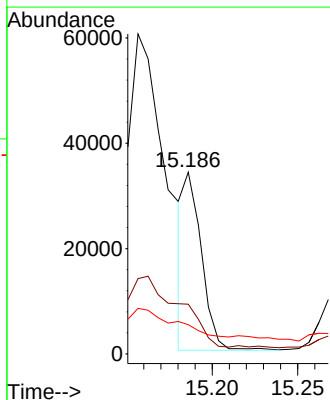
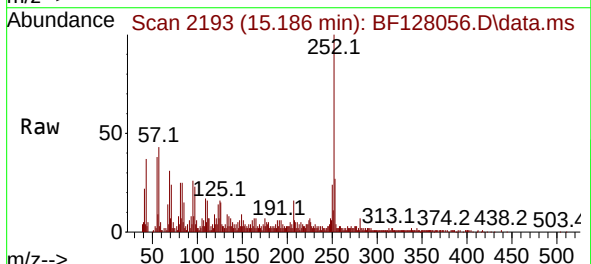
Manual Integrations
APPROVED

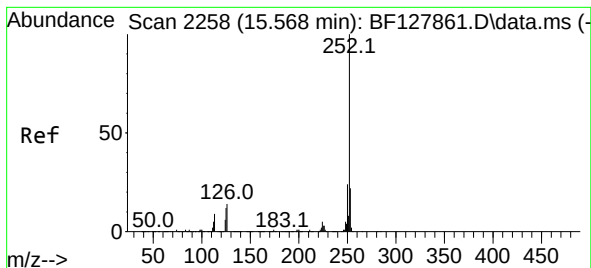
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#89
Benzo(k)fluoranthene
Concen: 2.759 ng m
RT: 15.186 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF128056.D
Acq: 03 May 2022 20:09

Tgt Ion:252 Resp: 24402
Ion Ratio Lower Upper
252 100
253 27.4 17.0 25.4#
125 16.1 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 8.319 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Instrument :

BNA_F

ClientSampleId :

22L097-D

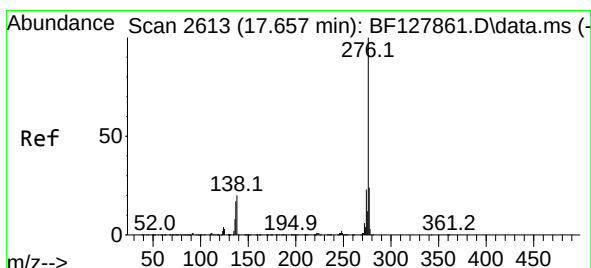
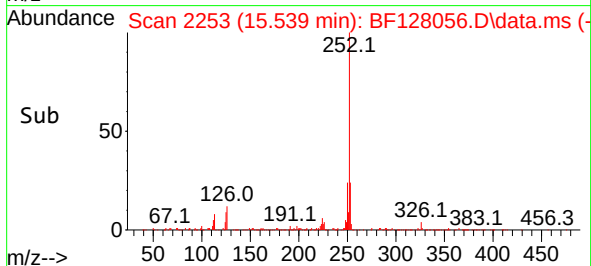
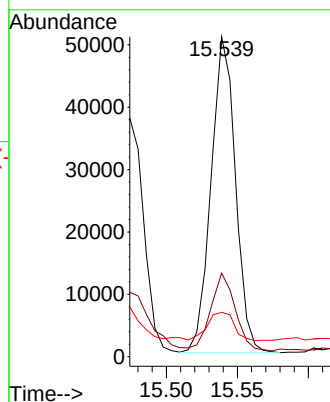
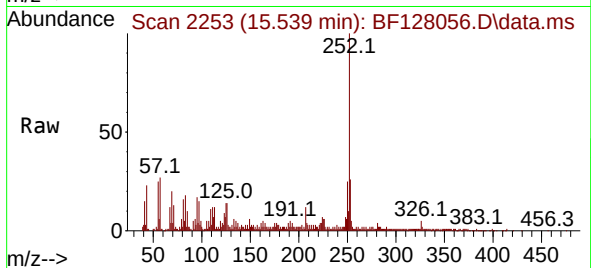
Tgt Ion:252 Resp: 6057
 Ion Ratio Lower Upper
 252 100
 253 26.1 17.8 26.6
 125 13.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2022

Supervised By :Jagrut Upadhyay 05/04/2022



#92

Benzo(g,h,i)perylene

Concen: 3.811 ng

RT: 17.609 min Scan# 2605

Delta R.T. -0.024 min

Lab File: BF128056.D

Acq: 03 May 2022 20:09

Tgt Ion:276 Resp: 30053
 Ion Ratio Lower Upper
 276 100
 277 25.8 18.8 28.2
 138 25.1 16.2 24.2

