

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129865.D
 Acq On : 18 Aug 2022 02:33
 Operator : CG\JU
 Sample : N4216-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/18/2022
 Supervised By : Jagrut Upadhyay 08/18/2022

Quant Time: Aug 18 05:43:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 05:28:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	137986	20.000	ng	0.00
21) Naphthalene-d8	8.093	136	488278	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	198457	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	283126	20.000	ng	0.00
76) Chrysene-d12	13.986	240	294154	20.000	ng	0.00
86) Perylene-d12	15.457	264	247086	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	147046	17.644	ng	0.00
7) Phenol-d6	6.469	99	178998	17.151	ng	0.00
23) Nitrobenzene-d5	7.375	82	105532	11.570	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	26220	13.164	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	180414	13.807	ng	0.00
79) Terphenyl-d14	12.922	244	162101	9.170	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	144187	9.119	ng	97
73) Carbazole	11.575	167	33258	2.330	ng	99
75) Fluoranthene	12.557	202	542393	33.521	ng	99
78) Pyrene	12.786	202	462192	18.081	ng	100
81) Benzo(a)anthracene	13.980	228	235025	11.615	ng	99
83) Chrysene	14.016	228	272719	14.398	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	91259	5.380	ng	93
88) Benzo(b)fluoranthene	15.027	252	293528m	17.349	ng	
89) Benzo(k)fluoranthene	15.051	252	89833m	5.536	ng	
90) Benzo(a)pyrene	15.392	252	162309	12.182	ng	# 95
92) Benzo(g,h,i)perylene	17.374	276	84502	6.052	ng	96

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

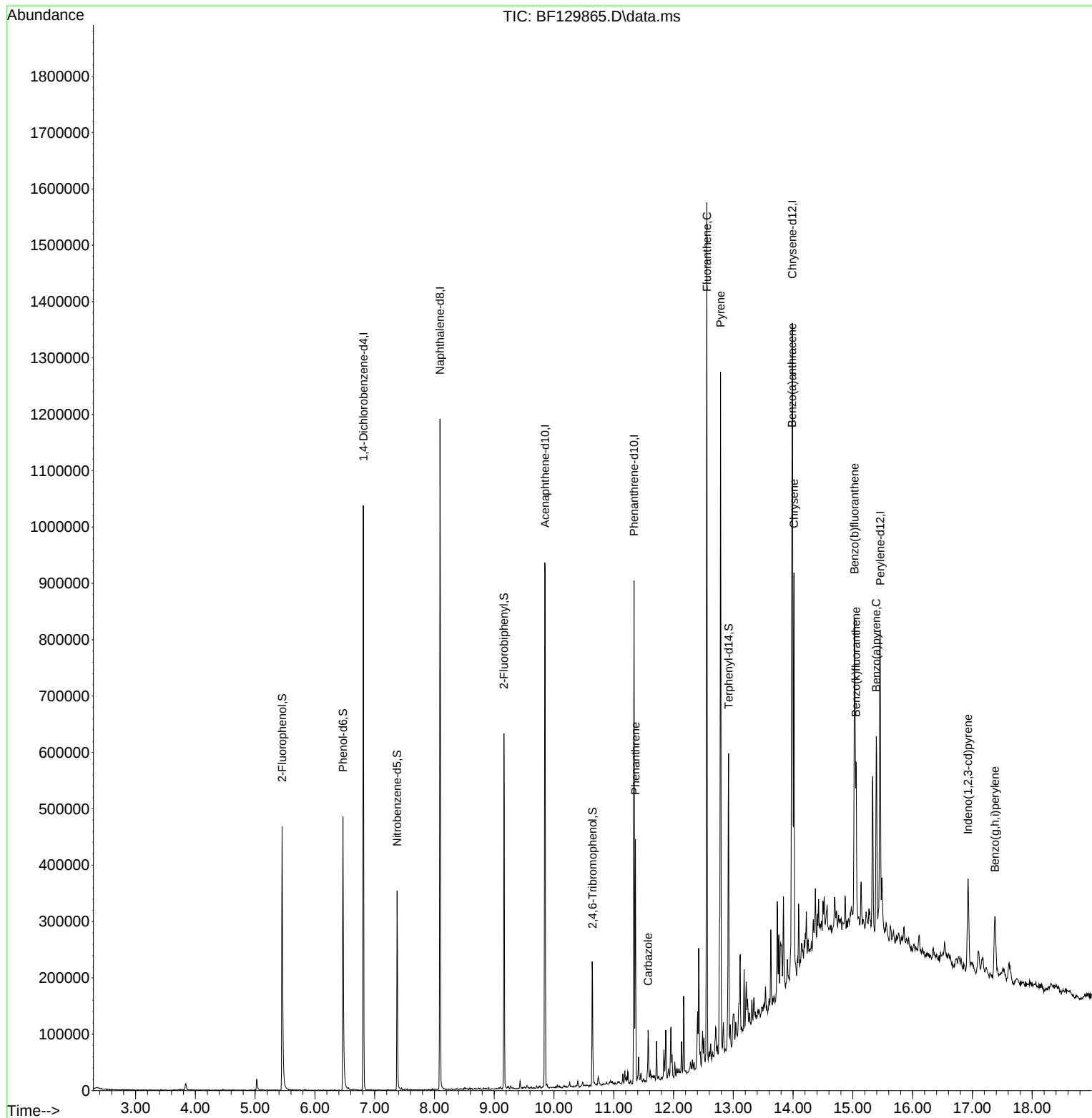
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
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Quant Time: Aug 18 05:43:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
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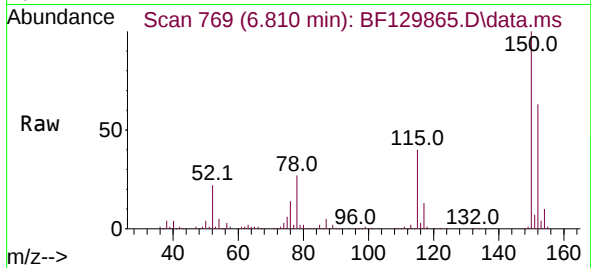
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

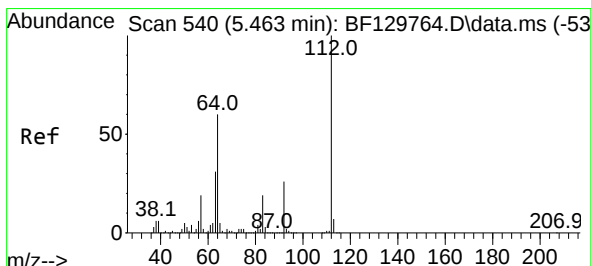
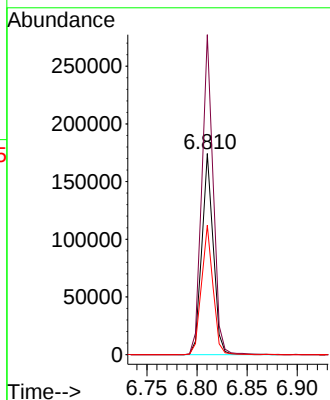
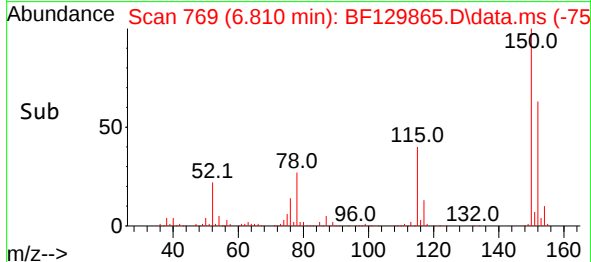
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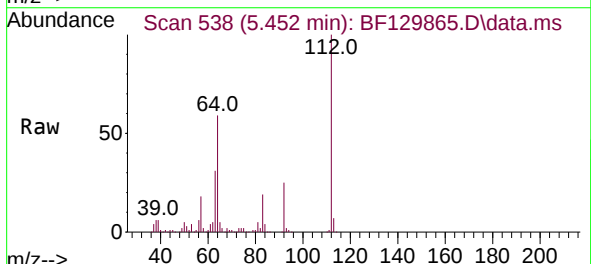
Tgt Ion:152 Resp: 137986
Ion Ratio Lower Upper
152 100
150 159.2 126.9 190.3
115 64.4 53.4 80.0

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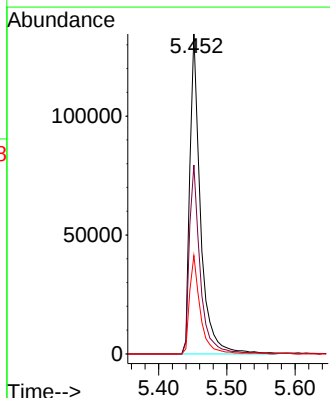
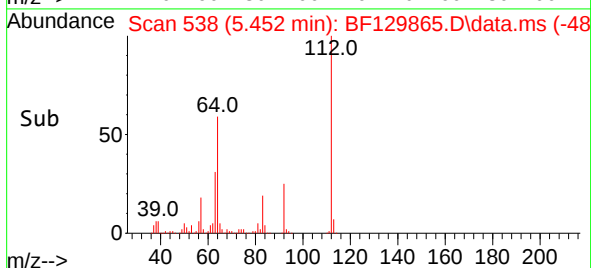
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022

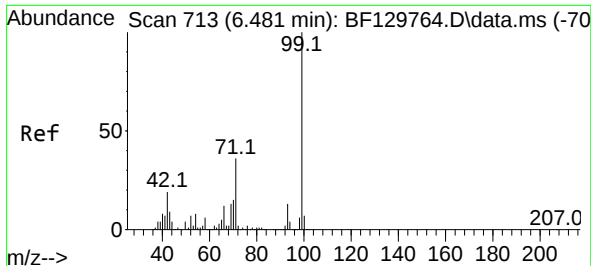


#5
2-Fluorophenol
Concen: 17.644 ng
RT: 5.452 min Scan# 538
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33



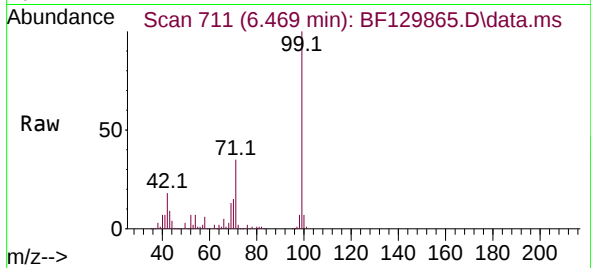
Tgt Ion:112 Resp: 147046
Ion Ratio Lower Upper
112 100
64 59.0 47.6 71.4
63 30.7 24.6 37.0





#7
Phenol-d6
Concen: 17.151 ng
RT: 6.469 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

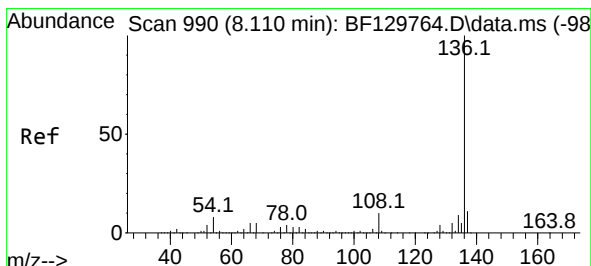
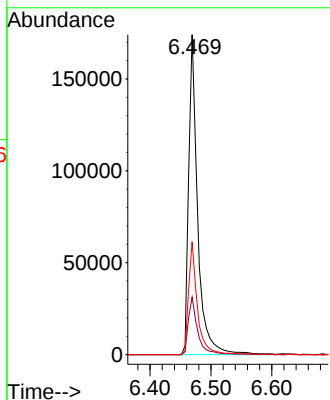
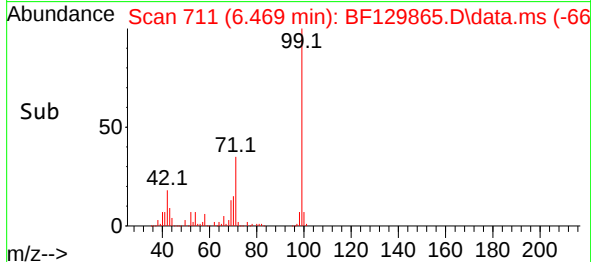
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL



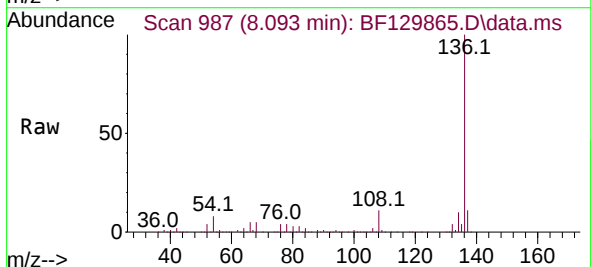
Tgt Ion: 99 Resp: 178998
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.4
71 35.3 28.8 43.2

Manual Integrations
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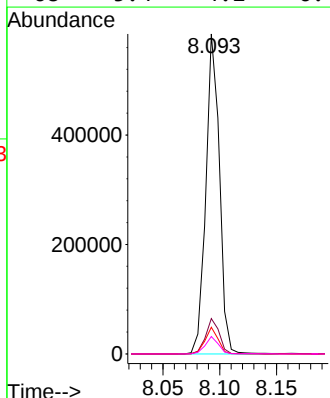
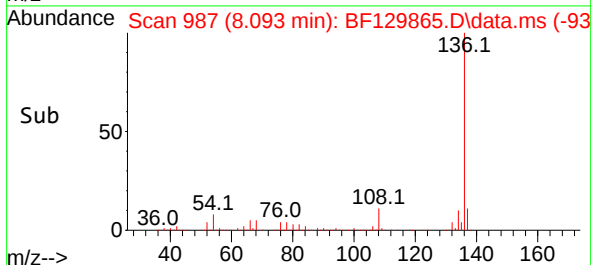
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022

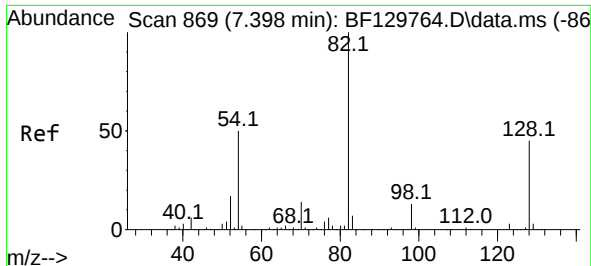


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.093 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33



Tgt Ion:136 Resp: 488278
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.3 6.2 9.2
68 5.4 4.2 6.4





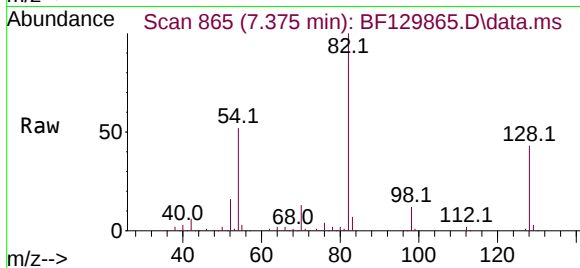
#23
Nitrobenzene-d5
Concen: 11.570 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

ClientSampleId :

NB-08-081522DL

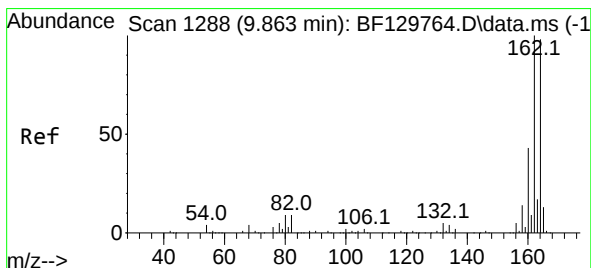
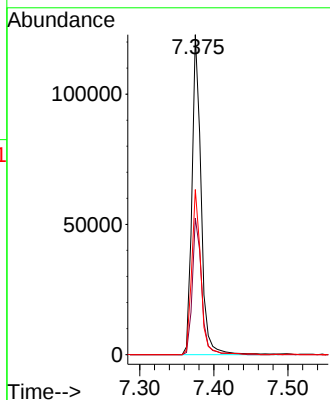
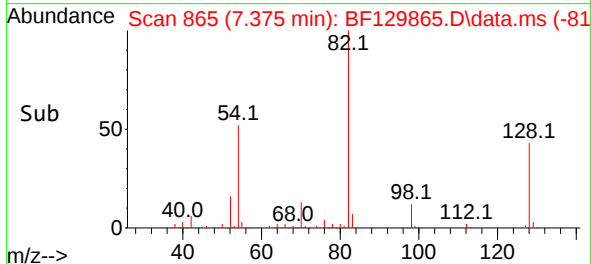


Tgt Ion: 82 Resp: 105532
Ion Ratio Lower Upper
82 100
128 42.7 36.1 54.1
54 51.6 40.0 60.0

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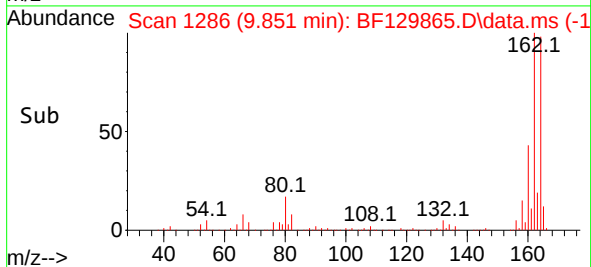
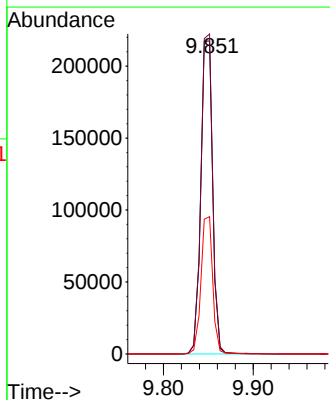
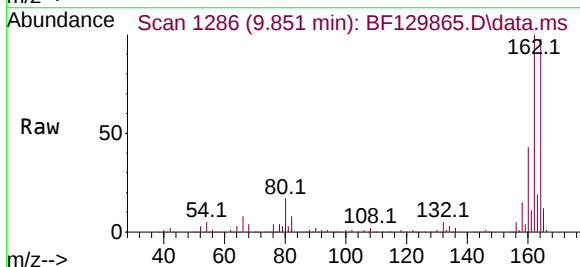
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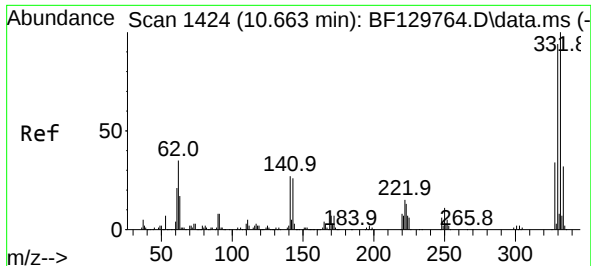
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

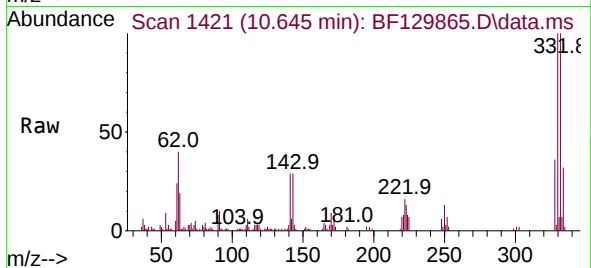
Tgt Ion:164 Resp: 198457
Ion Ratio Lower Upper
164 100
162 102.3 82.0 123.0
160 43.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 13.164 ng
RT: 10.645 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

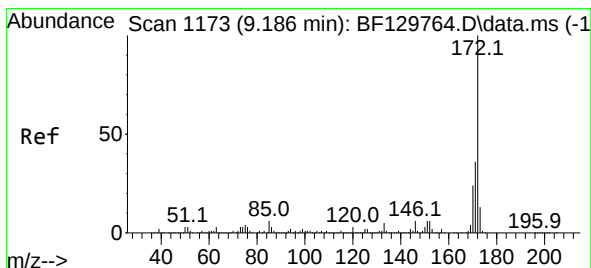
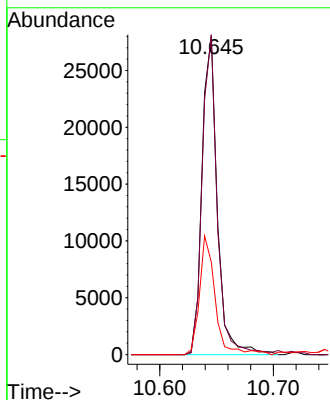
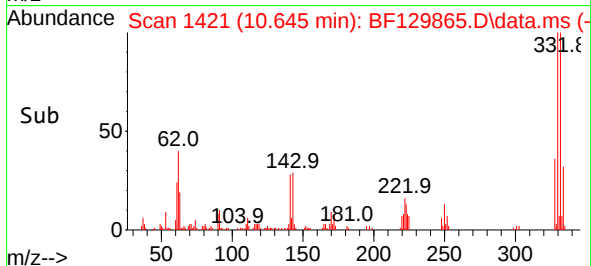
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BNA_F
ClientSampleId :
NB-08-081522DL



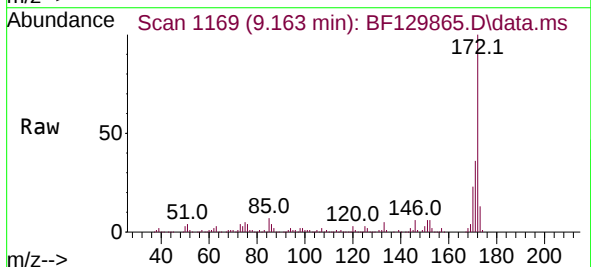
Tgt Ion: 330 Resp: 26220
Ion Ratio Lower Upper
330 100
332 98.1 82.6 124.0
141 38.1 27.6 41.4

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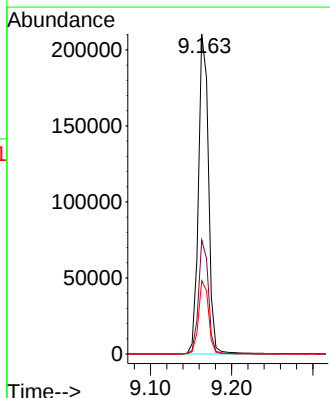
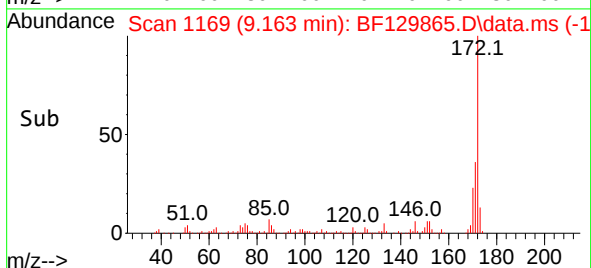
Reviewed By : Christian Giraldo 08/18/2022
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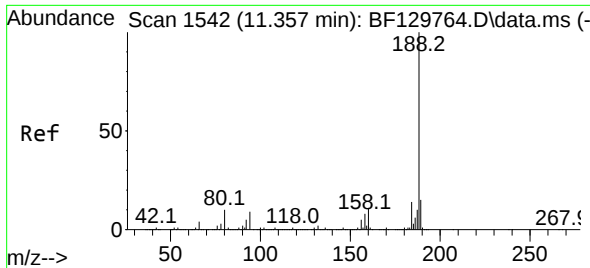


#45
2-Fluorobiphenyl
Concen: 13.807 ng
RT: 9.163 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33



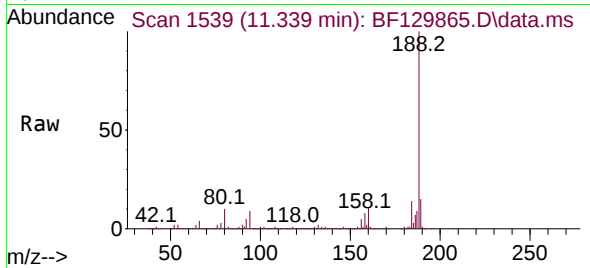
Tgt Ion: 172 Resp: 180414
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 22.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

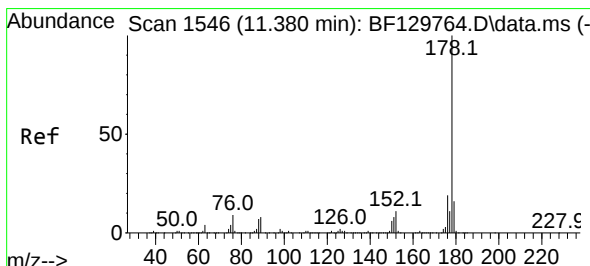
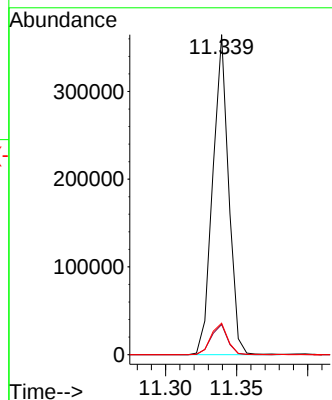
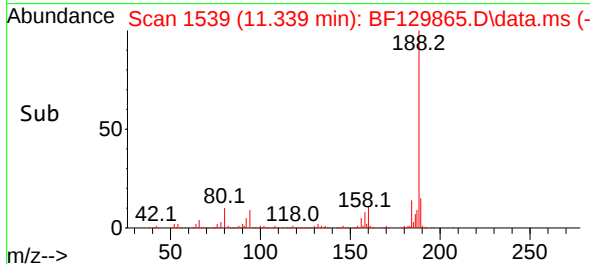
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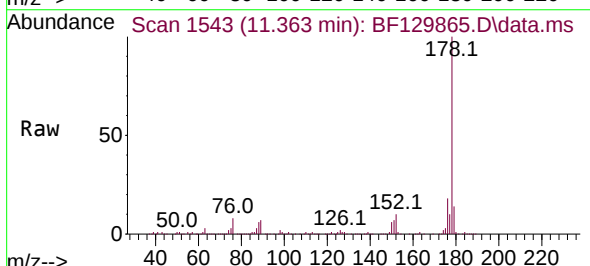
Tgt Ion:188 Resp: 283126
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 9.8 7.9 11.9

Manual Integrations
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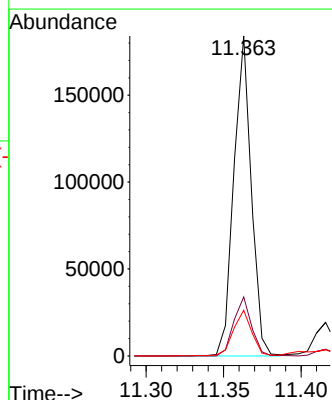
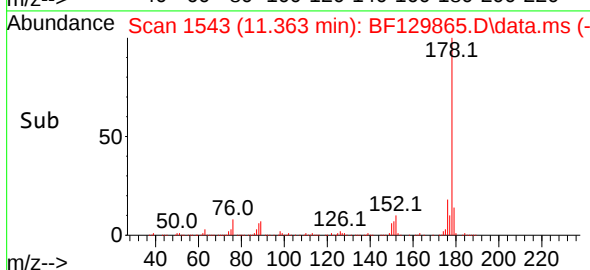
Reviewed By :Christian Giraldo 08/18/2022
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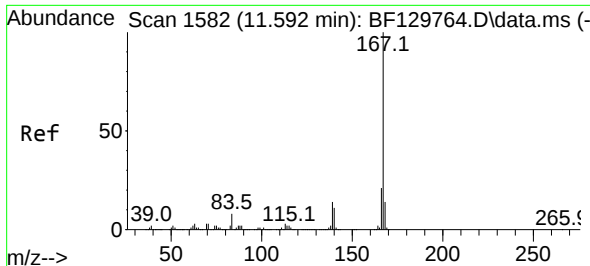


#71
Phenanthrene
Concen: 9.119 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33



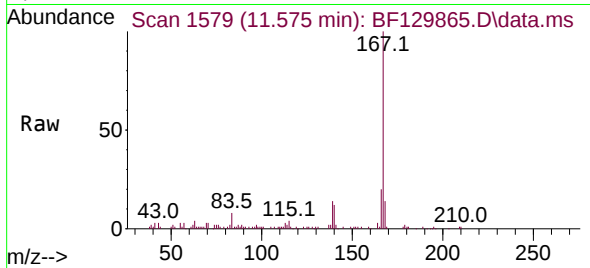
Tgt Ion:178 Resp: 144187
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 14.3 12.5 18.7





#73
 Carbazole
 Concen: 2.330 ng
 RT: 11.575 min Scan# 11579
 Delta R.T. -0.006 min
 Lab File: BF129865.D
 Acq: 18 Aug 2022 02:33

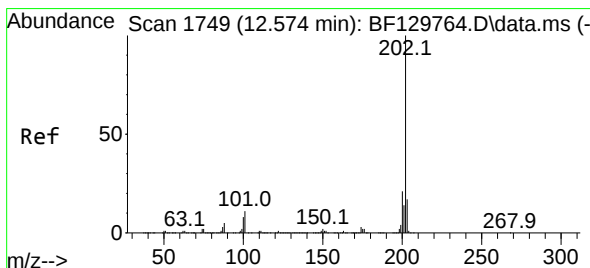
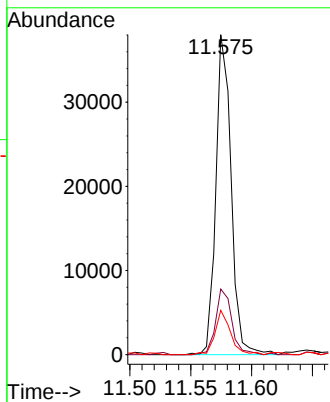
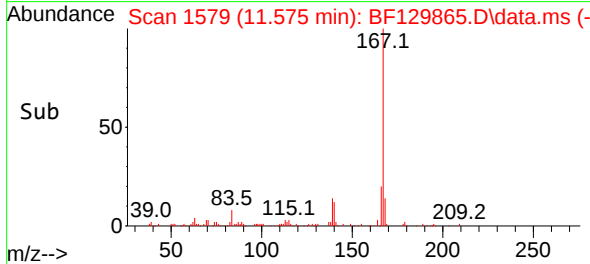
Instrument :
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Tgt Ion:167 Resp: 33258
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.1 25.7
 139 13.8 11.0 16.6

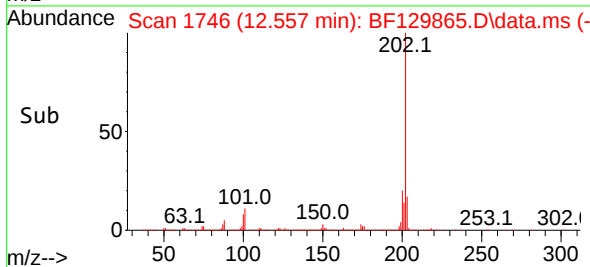
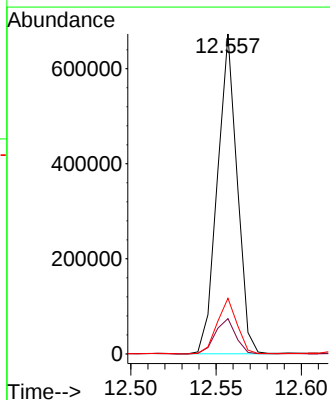
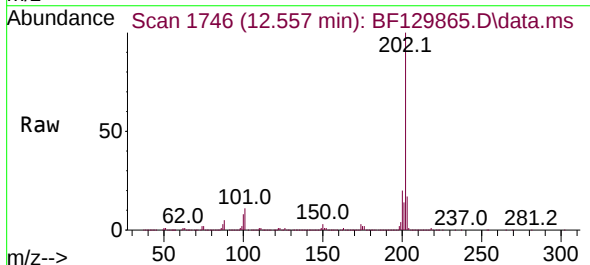
Manual Integrations
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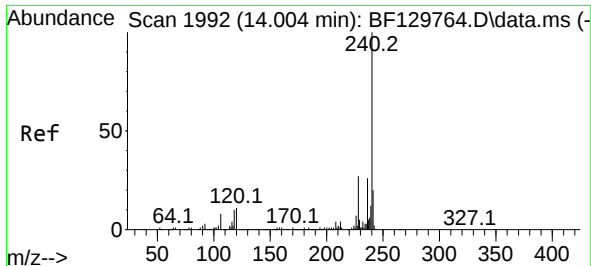
Reviewed By :Christian Giraldo 08/18/2022
 Supervised By :Jagrut Upadhyay 08/18/2022



#75
 Fluoranthene
 Concen: 33.521 ng
 RT: 12.557 min Scan# 1746
 Delta R.T. 0.000 min
 Lab File: BF129865.D
 Acq: 18 Aug 2022 02:33

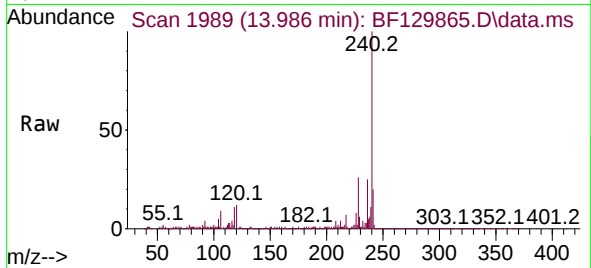
Tgt Ion:202 Resp: 542393
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.7
 203 17.4 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

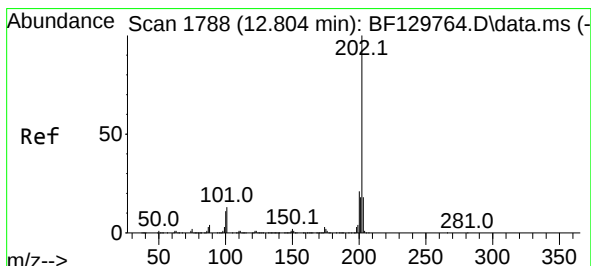
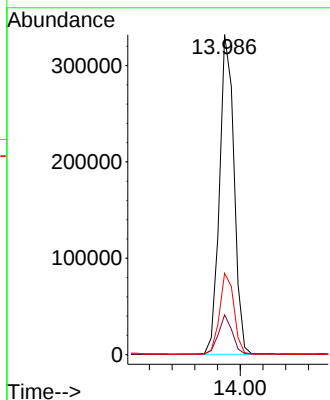
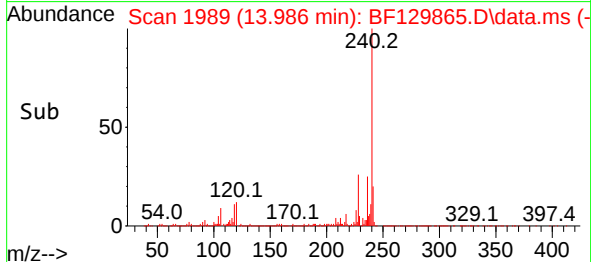
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Tgt Ion:240 Resp: 294154
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 25.4 20.7 31.1

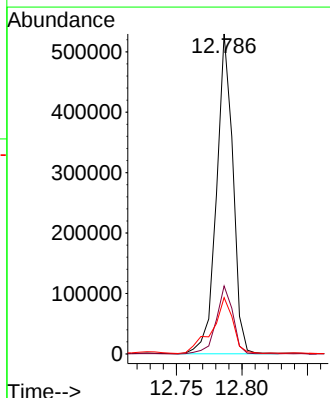
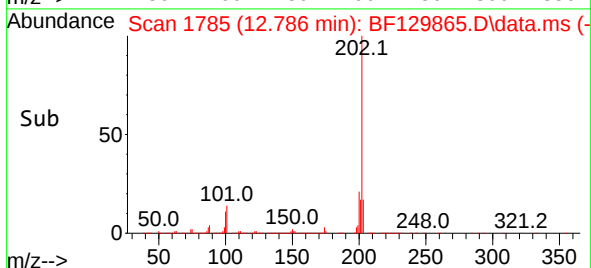
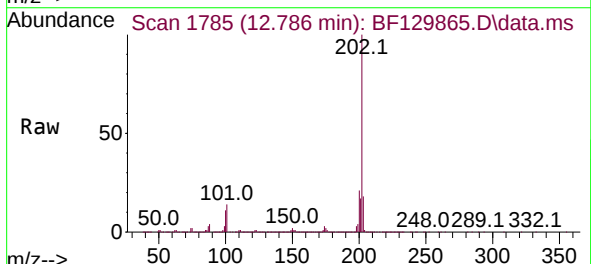
Manual Integrations
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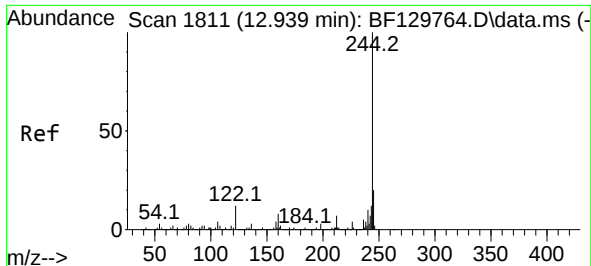
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#78
Pyrene
Concen: 18.081 ng
RT: 12.786 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

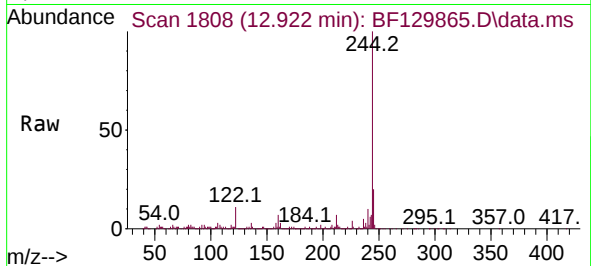
Tgt Ion:202 Resp: 462192
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 17.6 14.1 21.1





#79
Terphenyl-d14
Concen: 9.170 ng
RT: 12.922 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

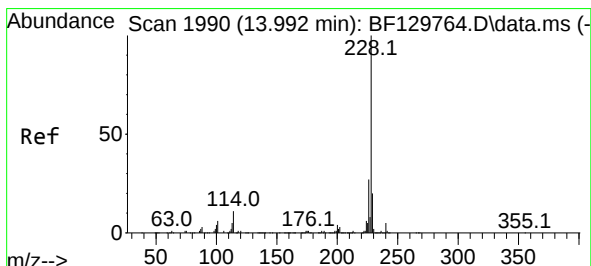
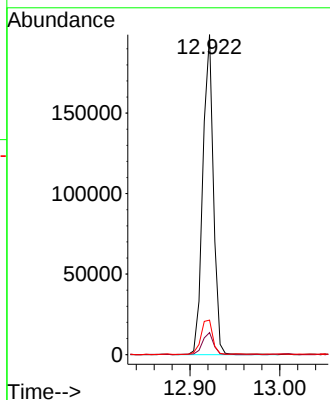
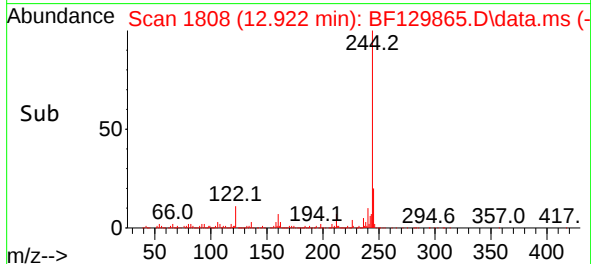
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL



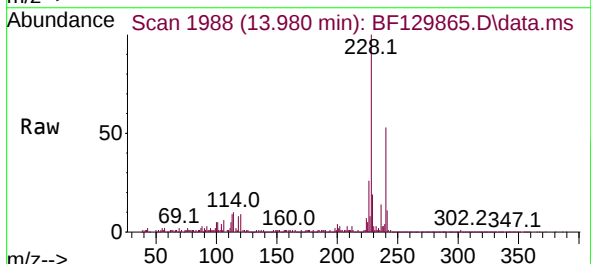
Tgt Ion:244 Resp: 162101
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.8 9.9 14.9

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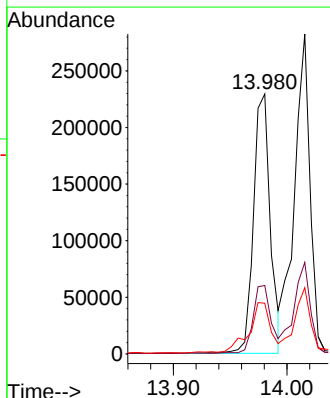
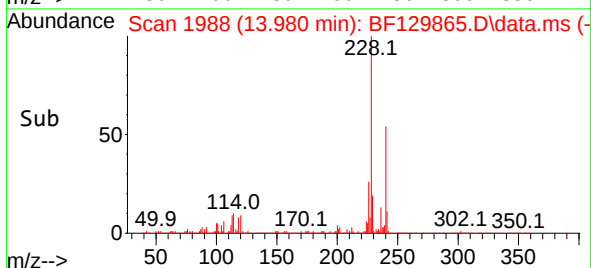
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022

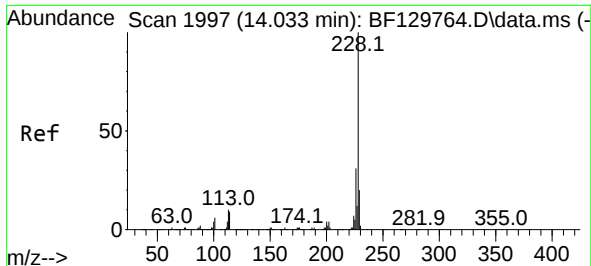


#81
Benzo(a)anthracene
Concen: 11.615 ng
RT: 13.980 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33



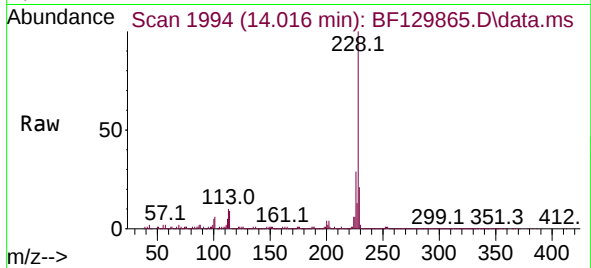
Tgt Ion:228 Resp: 235025
Ion Ratio Lower Upper
228 100
226 26.3 21.4 32.0
229 19.5 16.1 24.1





#83
Chrysene
Concen: 14.398 ng
RT: 14.016 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

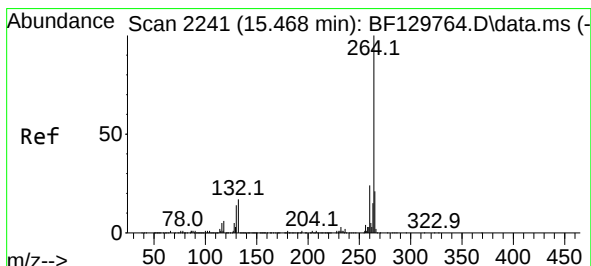
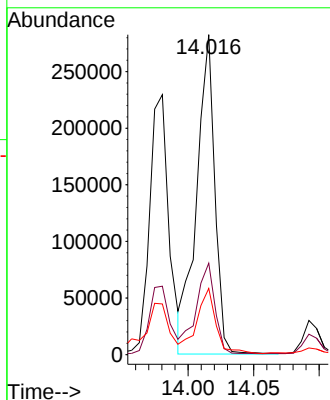
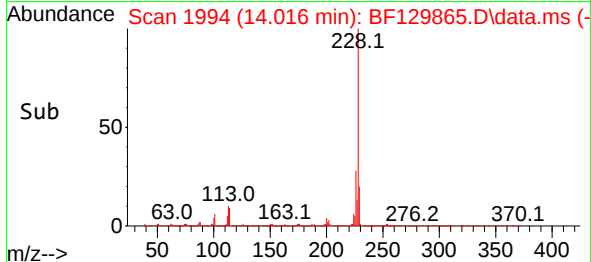
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL



Tgt Ion:228 Resp: 272719
Ion Ratio Lower Upper
228 100
226 28.6 24.4 36.6
229 20.7 15.9 23.9

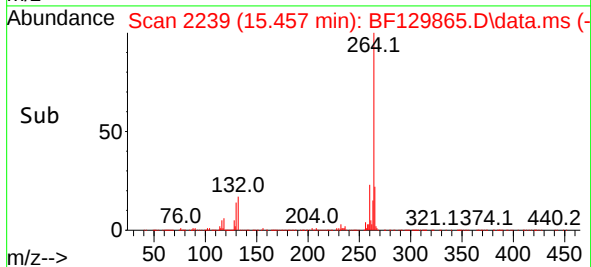
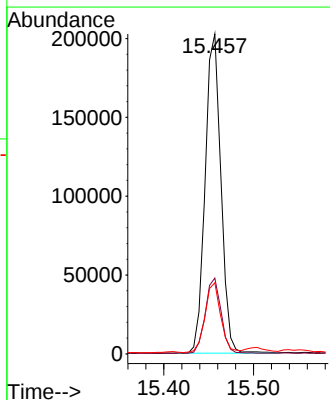
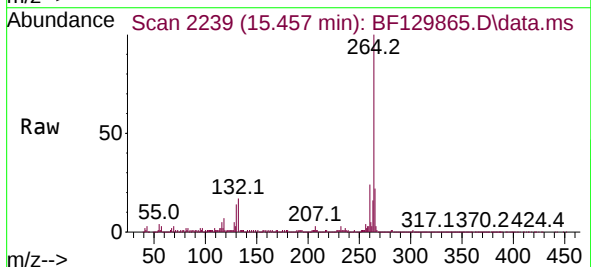
Manual Integrations
APPROVED

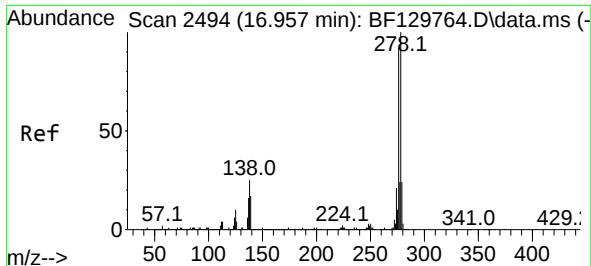
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2239
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:264 Resp: 247086
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 22.2 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.380 ng
RT: 16.927 min Scan# 2494
Delta R.T. -0.012 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

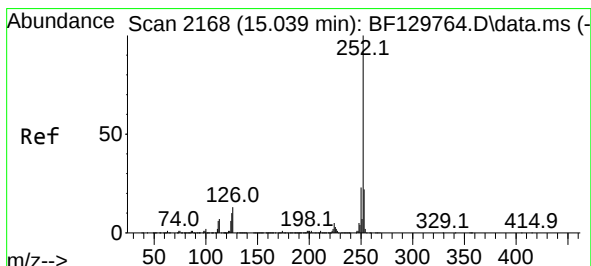
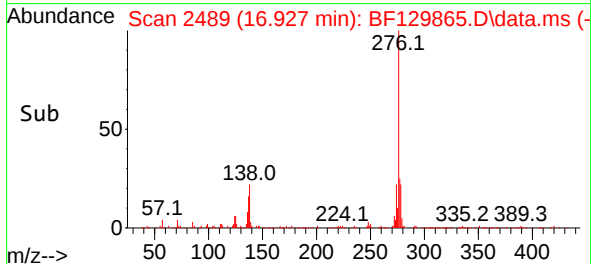
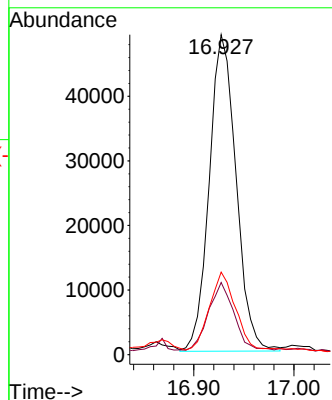
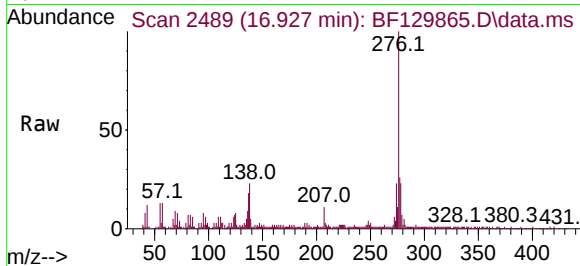
ClientSampleId :

NB-08-081522DL

Tgt Ion:276 Resp: 91259
Ion Ratio Lower Upper
276 100
138 20.1 19.8 29.8
277 23.6 20.4 30.6

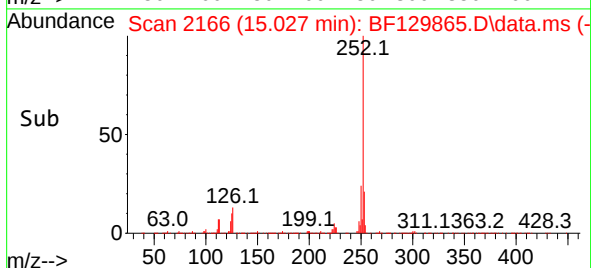
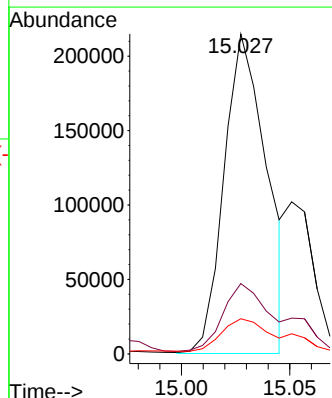
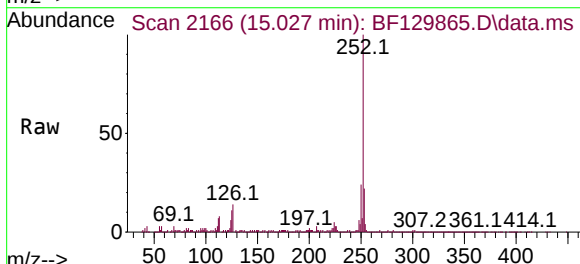
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APPROVED

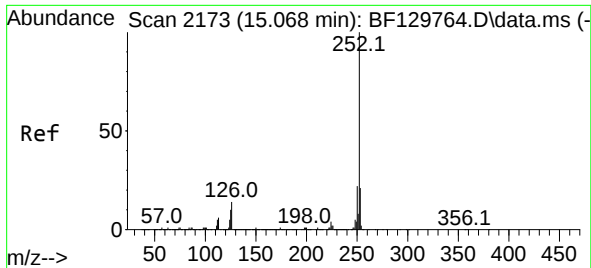
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#88
Benzo(b)fluoranthene
Concen: 17.349 ng m
RT: 15.027 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:252 Resp: 293528
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.0 8.3 12.5





#89
Benzo(k)fluoranthene
Concen: 5.536 ng m
RT: 15.051 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Instrument :

BNF

ClientSampleId :

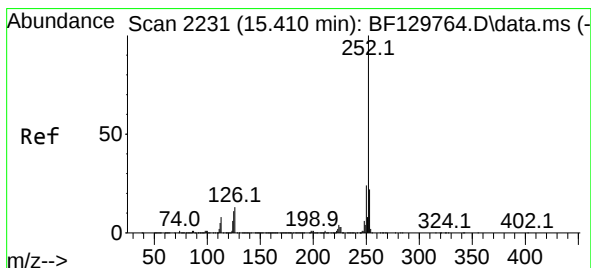
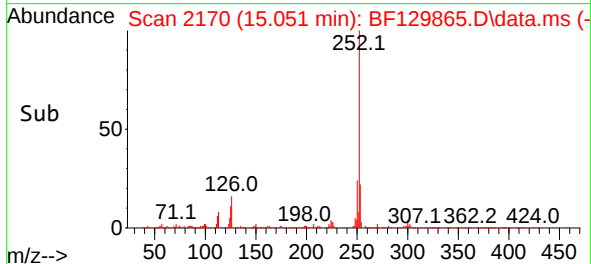
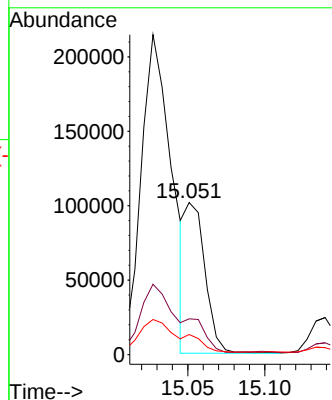
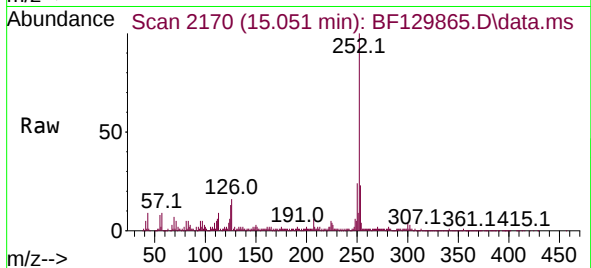
NB-08-081522DL

Tgt Ion:252 Resp: 89833
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 13.2 8.3 12.5

Manual Integrations

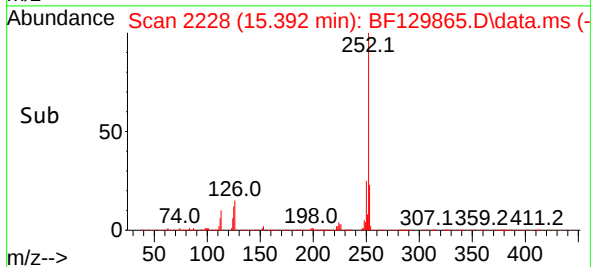
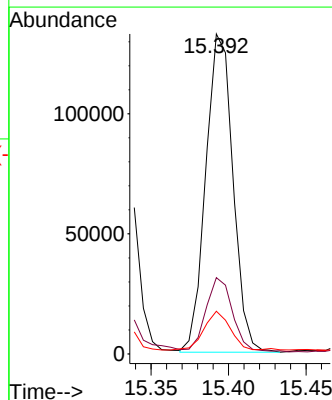
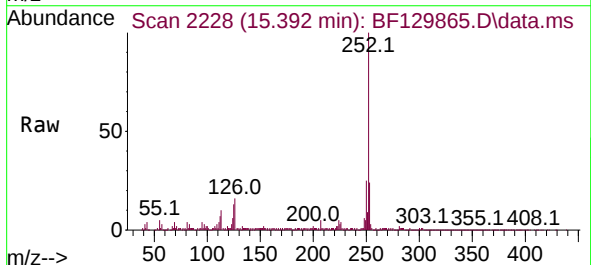
APPROVED

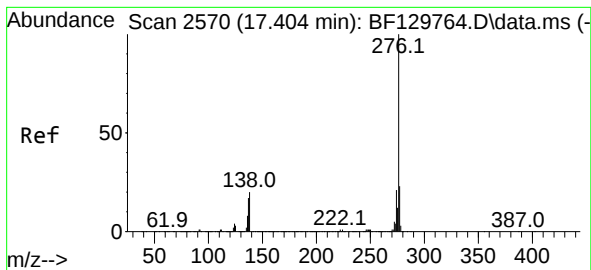
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#90
Benzo(a)pyrene
Concen: 12.182 ng
RT: 15.392 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

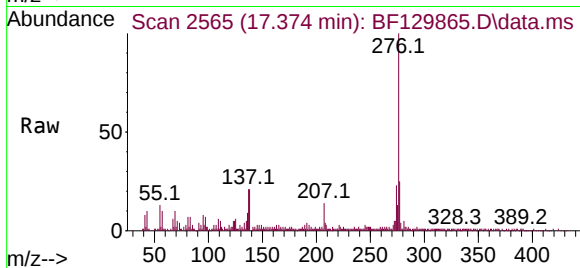
Tgt Ion:252 Resp: 162309
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 13.3 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.052 ng
 RT: 17.374 min Scan# 2565
 Delta R.T. -0.012 min
 Lab File: BF129865.D
 Acq: 18 Aug 2022 02:33

Instrument : BNA_F
 ClientSampleId : NB-08-081522DL



Tgt Ion:	276	Resp:	84502
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.2	27.4
138	21.0	15.8	23.8

Manual Integrations
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Reviewed By :Christian Giraldo 08/18/2022
 Supervised By :Jagrut Upadhyay 08/18/2022

