

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
 Data File : BF129278.D
 Acq On : 18 Jul 2022 20:49
 Operator : CG\JU
 Sample : N3746-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/19/2022
 Supervised By : Jagrut Upadhyay 07/19/2022

Quant Time: Jul 19 02:10:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 12:55:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	229139	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	815318	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	368431	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	604466	20.000	ng	0.00
76) Chrysene-d12	14.080	240	486230	20.000	ng	0.00
86) Perylene-d12	15.574	264	354467	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	233402	16.268	ng	0.00
7) Phenol-d6	6.522	99	271505	14.631	ng	0.00
23) Nitrobenzene-d5	7.457	82	151934	9.961	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	46090	13.478	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	275938	12.689	ng	0.00
79) Terphenyl-d14	13.016	244	285096	10.969	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	227611	7.417	ng	98
72) Anthracene	11.504	178	69297	2.273	ng	97
75) Fluoranthene	12.645	202	295917	9.682	ng	98
78) Pyrene	12.874	202	326489	8.290	ng	98
81) Benzo(a)anthracene	14.069	228	128521	4.190	ng	93
83) Chrysene	14.104	228	128700m	4.396	ng	
88) Benzo(b)fluoranthene	15.133	252	116588m	5.354	ng	
90) Benzo(a)pyrene	15.510	252	87935	4.960	ng	# 86
92) Benzo(g,h,i)perylene	17.557	276	44757	2.449	ng	# 87

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

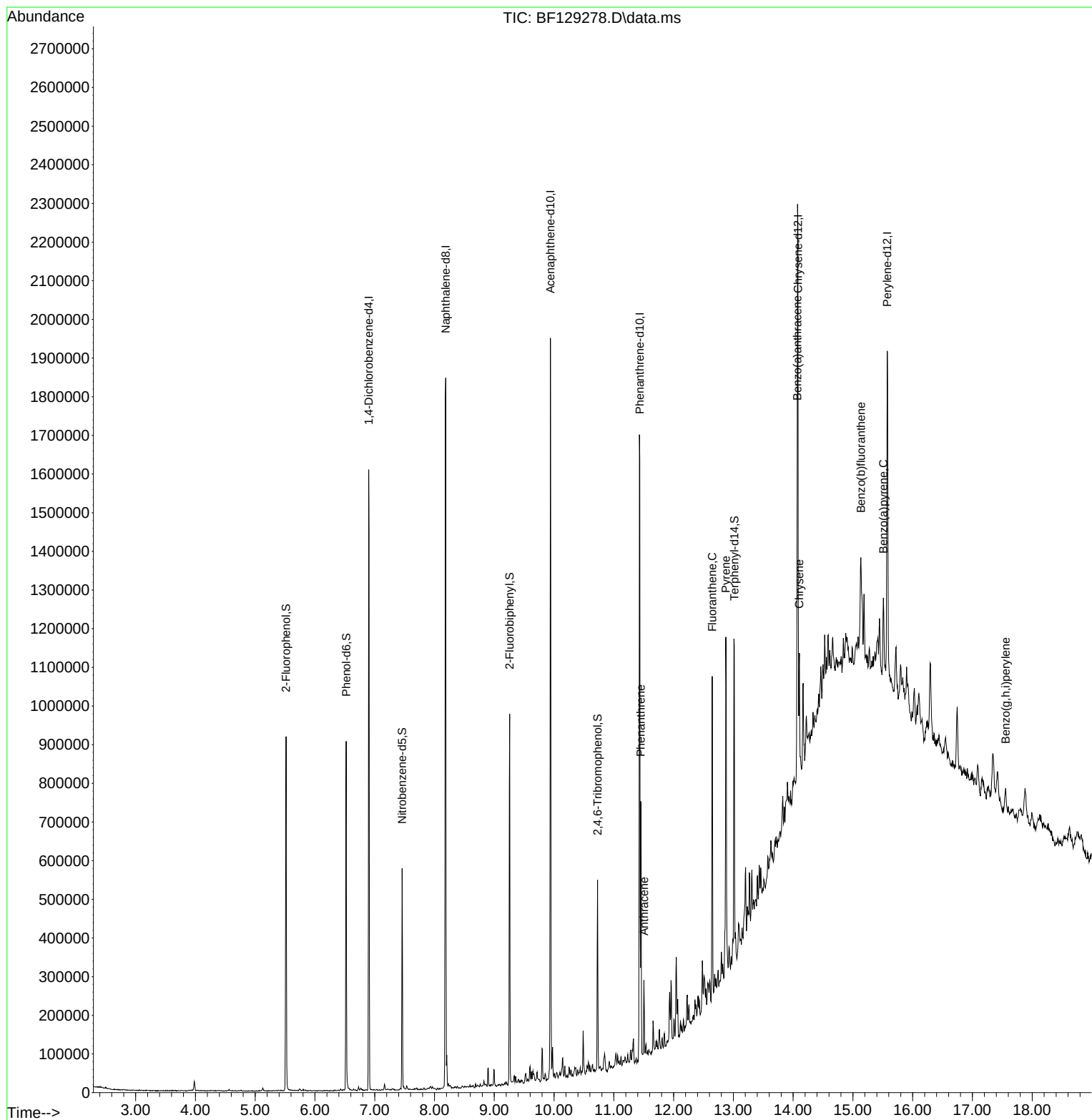
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
Data File : BF129278.D
Acq On : 18 Jul 2022 20:49
Operator : CG\JU
Sample : N3746-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

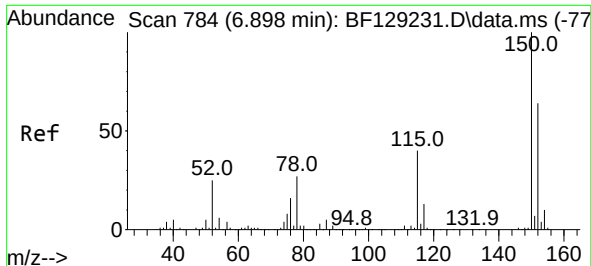
Instrument :
BNA_F
ClientSampleId :
CL-02-071522

Quant Time: Jul 19 02:10:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
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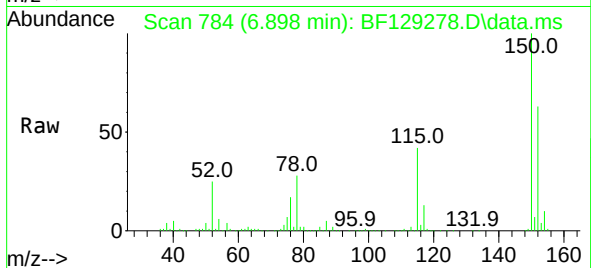
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 784
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

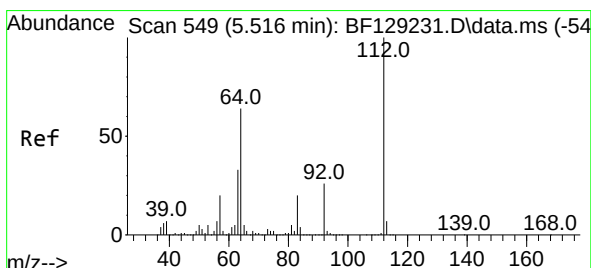
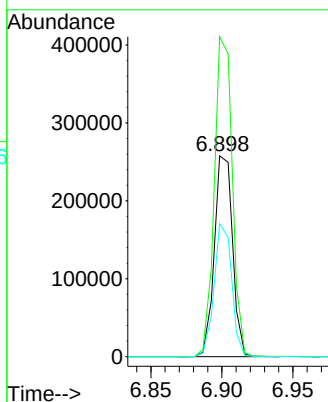
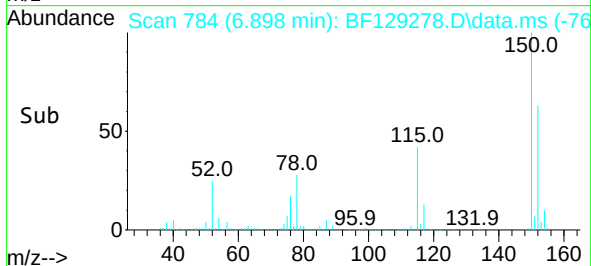


Tgt Ion:152 Resp: 229139
Ion Ratio Lower Upper
152 100
150 159.4 123.7 185.5
115 66.2 49.9 74.9

Manual Integrations

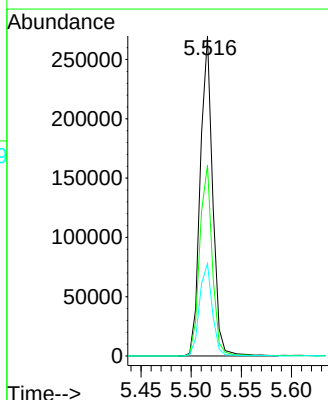
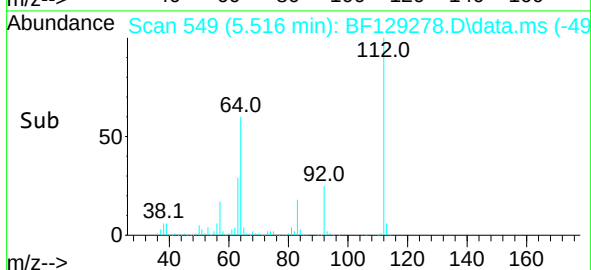
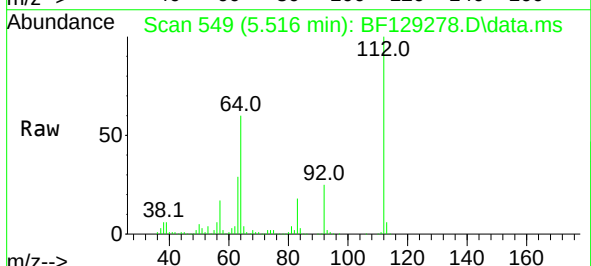
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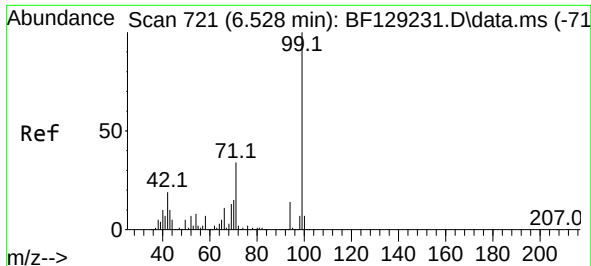
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Supervised By :Jagrut Upadhyay 07/19/2022



#5
2-Fluorophenol
Concen: 16.268 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:112 Resp: 233402
Ion Ratio Lower Upper
112 100
64 59.6 53.3 79.9
63 28.9 28.0 42.0





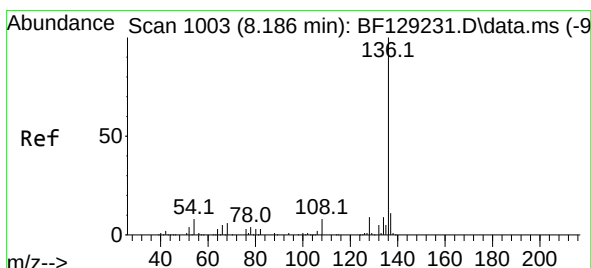
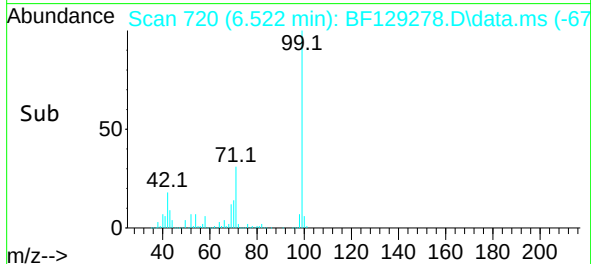
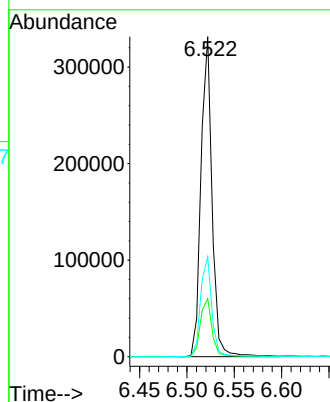
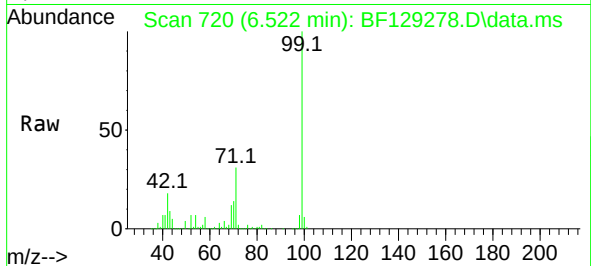
#7
Phenol-d6
Concen: 14.631 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Instrument :
BNA_F
ClientSampleId :
CL-02-071522

Tgt Ion: 99 Resp: 27150
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 31.2 28.9 43.3

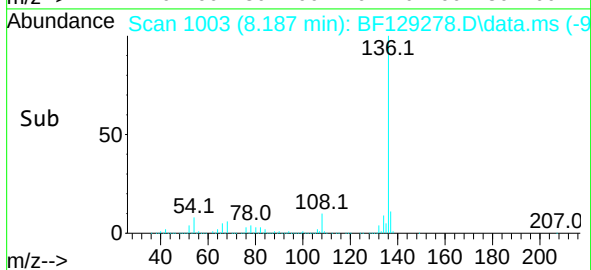
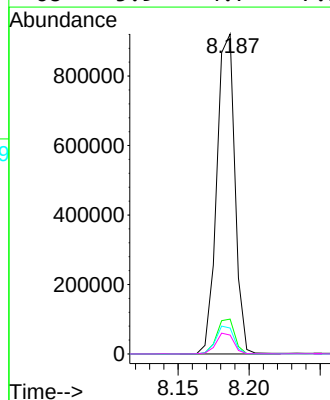
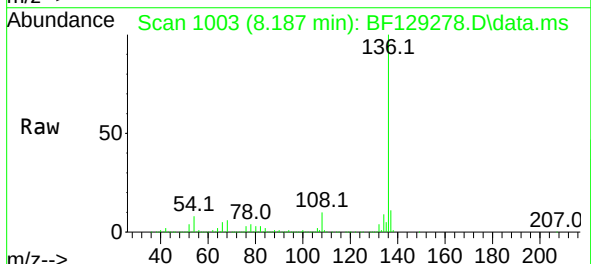
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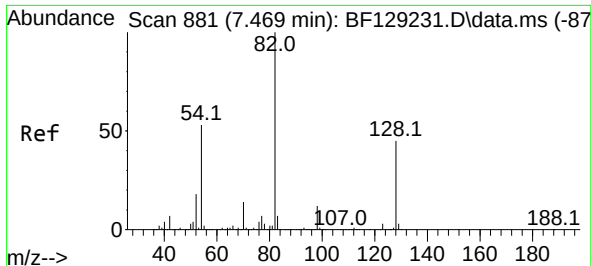
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:136 Resp: 815318
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 7.5 11.3
68 5.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 9.961 ng

RT: 7.457 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

Tgt Ion: 82 Resp: 151934

Ion Ratio Lower Upper

82 100

128 43.1 34.0 51.0

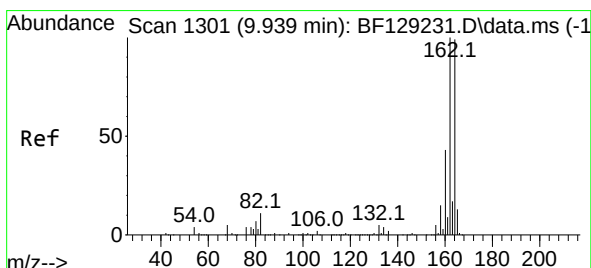
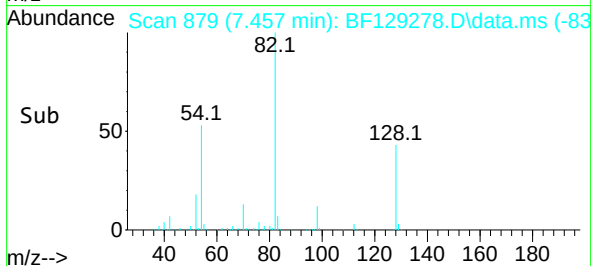
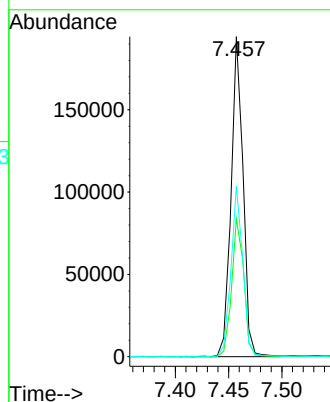
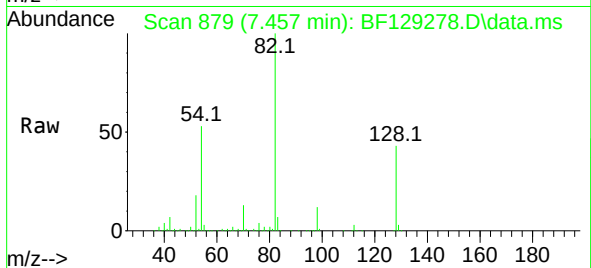
54 53.3 46.9 70.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1301

Delta R.T. 0.000 min

Lab File: BF129278.D

Acq: 18 Jul 2022 20:49

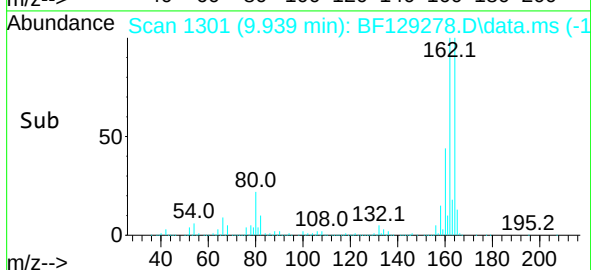
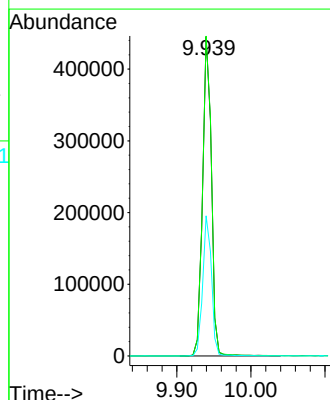
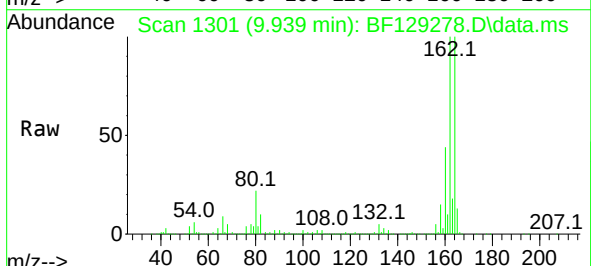
Tgt Ion:164 Resp: 368431

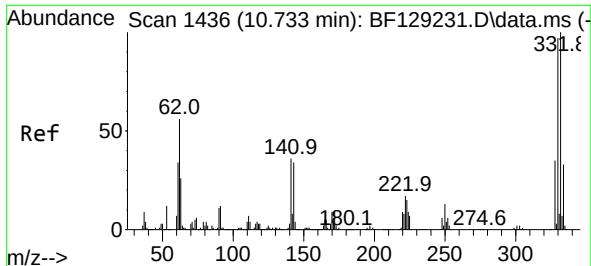
Ion Ratio Lower Upper

164 100

162 100.2 79.5 119.3

160 43.9 34.2 51.4





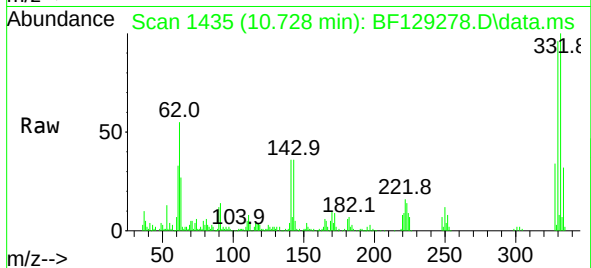
#42
2,4,6-Tribromophenol
Concen: 13.478 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

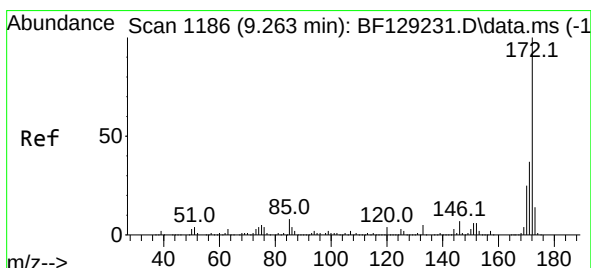
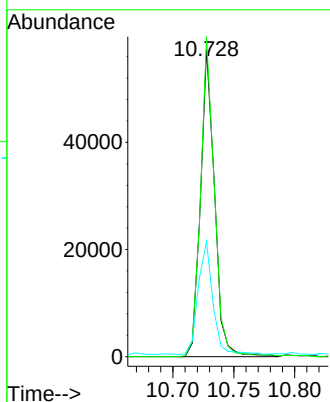
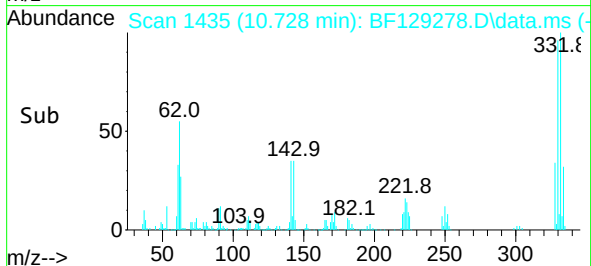


Tgt Ion: 330 Resp: 46090
Ion Ratio Lower Upper
330 100
332 102.4 76.8 115.2
141 38.4 28.0 42.0

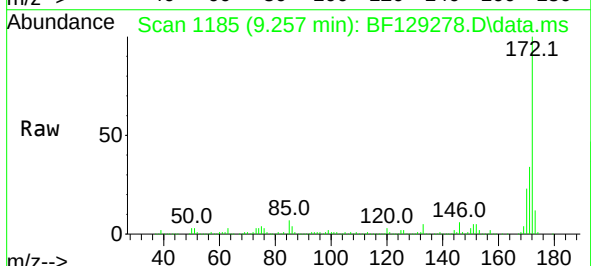
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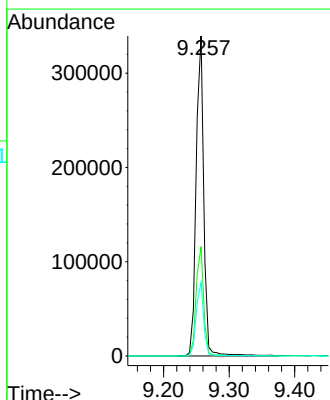
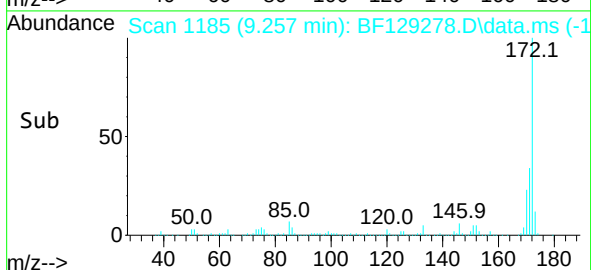
Reviewed By : Christian Giraldo 07/19/2022
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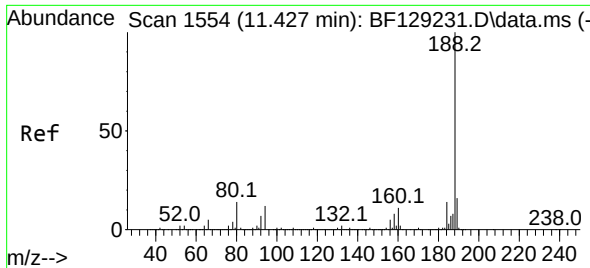


#45
2-Fluorobiphenyl
Concen: 12.689 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49



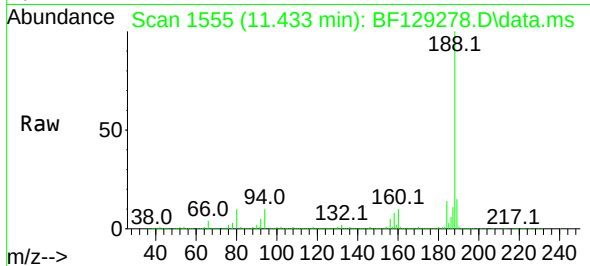
Tgt Ion: 172 Resp: 275938
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 23.0 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1554
Delta R.T. 0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

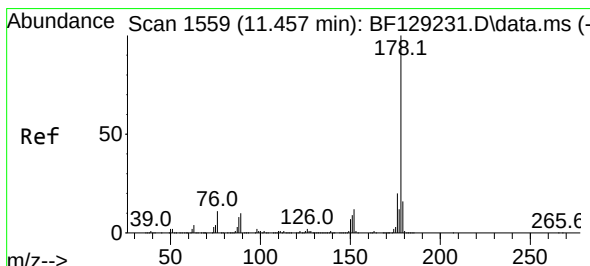
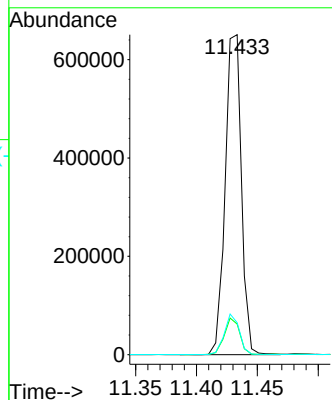
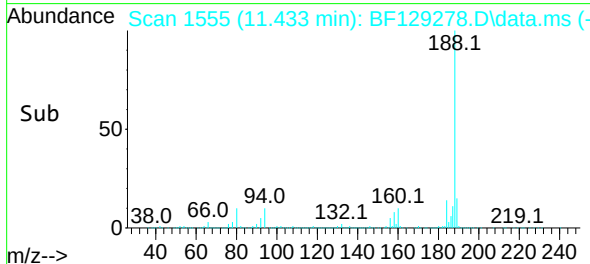
Instrument :
BNA_F
ClientSampleId :
CL-02-071522



Tgt Ion:188 Resp: 604460
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.0 7.6 11.4

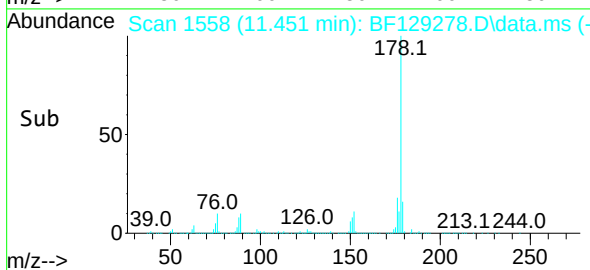
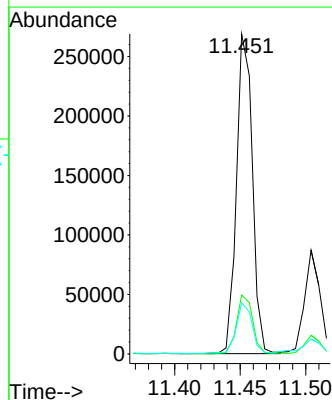
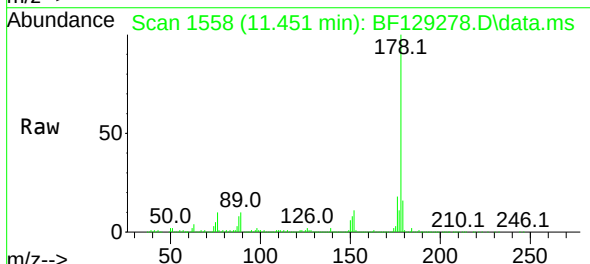
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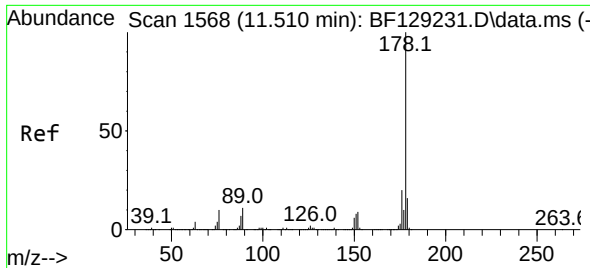
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#71
Phenanthrene
Concen: 7.417 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

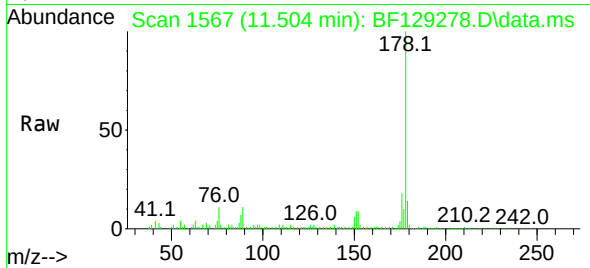
Tgt Ion:178 Resp: 227611
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 16.0 12.6 19.0





#72
 Anthracene
 Concen: 2.273 ng
 RT: 11.504 min Scan# 11568
 Delta R.T. -0.006 min
 Lab File: BF129278.D
 Acq: 18 Jul 2022 20:49

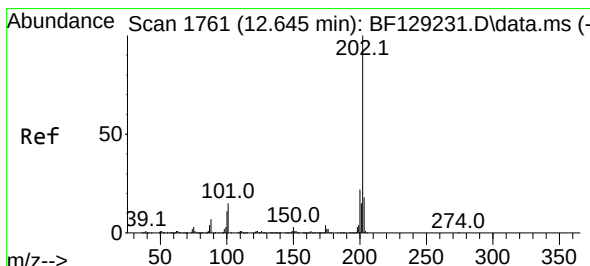
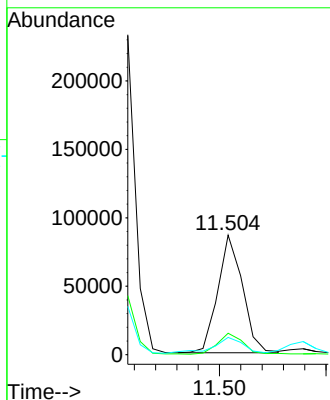
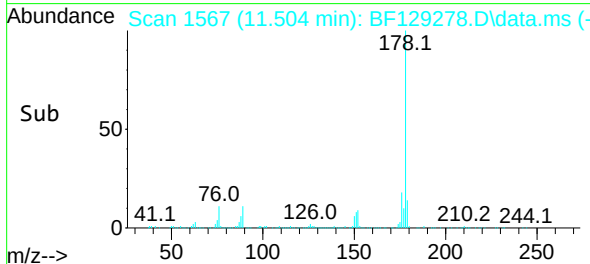
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071522



Tgt Ion:178 Resp: 69297
 Ion Ratio Lower Upper
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 176 18.0 15.4 23.2
 179 14.4 12.6 19.0

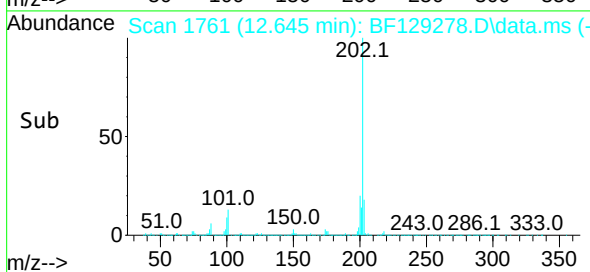
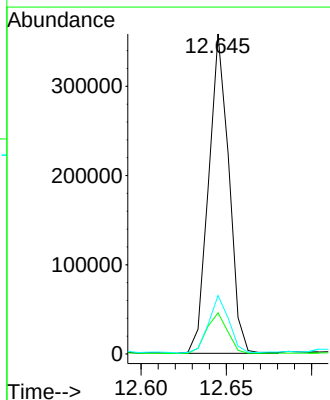
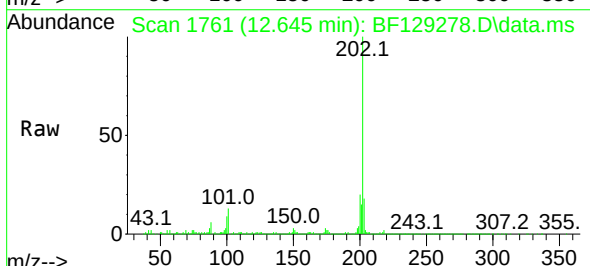
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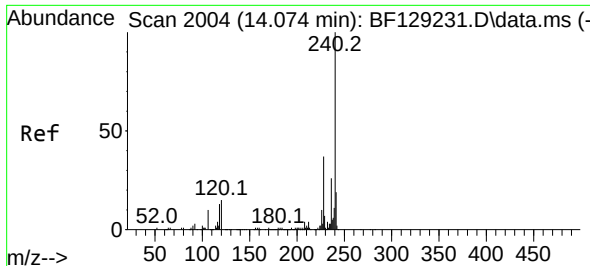
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022



#75
 Fluoranthene
 Concen: 9.682 ng
 RT: 12.645 min Scan# 1761
 Delta R.T. 0.000 min
 Lab File: BF129278.D
 Acq: 18 Jul 2022 20:49

Tgt Ion:202 Resp: 295917
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 31.4
 203 18.2 0.0 38.0





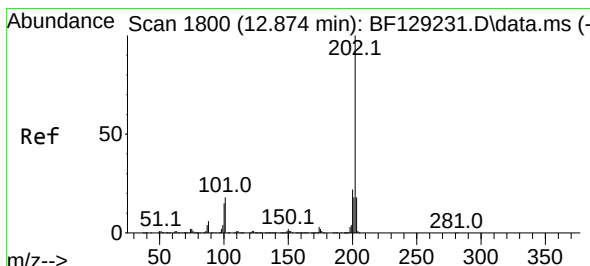
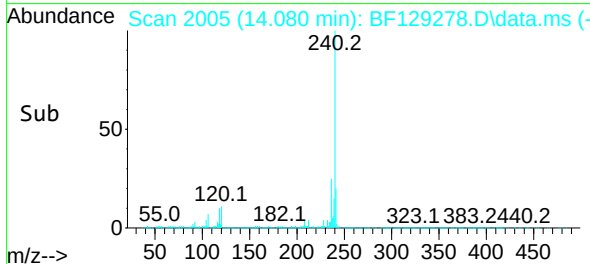
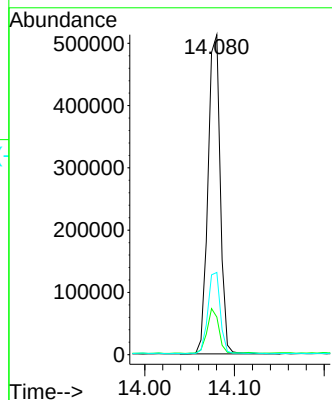
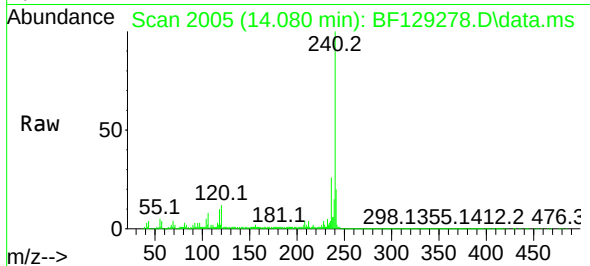
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Instrument :
BNA_F
ClientSampleId :
CL-02-071522

Tgt Ion:240 Resp: 486230
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 25.7 20.8 31.2

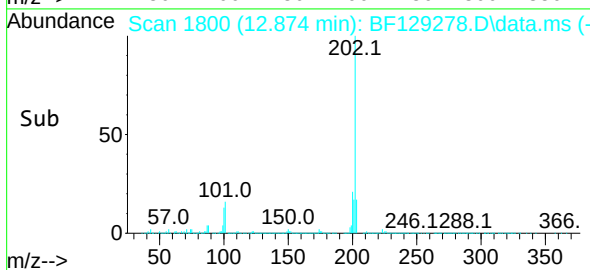
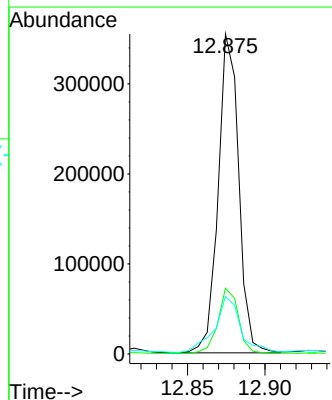
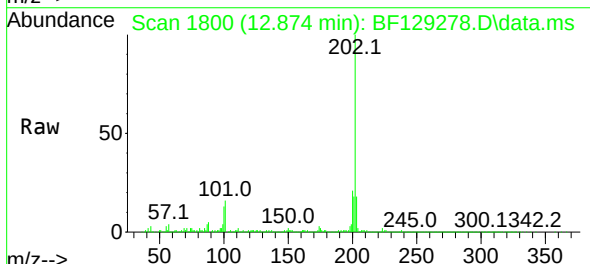
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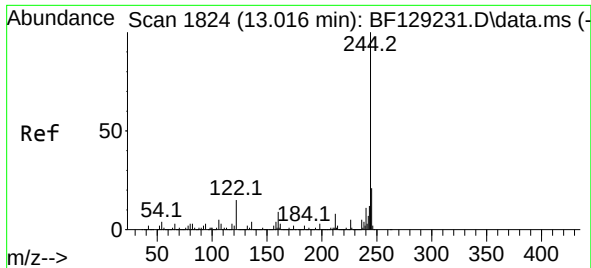
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#78
Pyrene
Concen: 8.290 ng
RT: 12.874 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:202 Resp: 326489
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 18.0 14.6 21.8





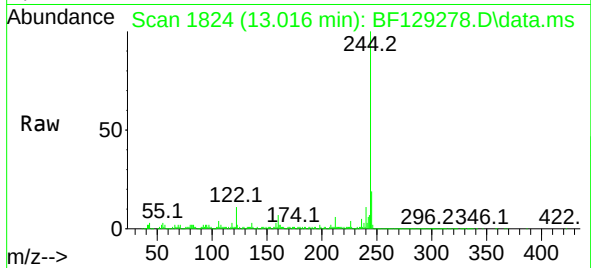
#79
 Terphenyl-d14
 Concen: 10.969 ng
 RT: 13.016 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: BF129278.D
 Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522

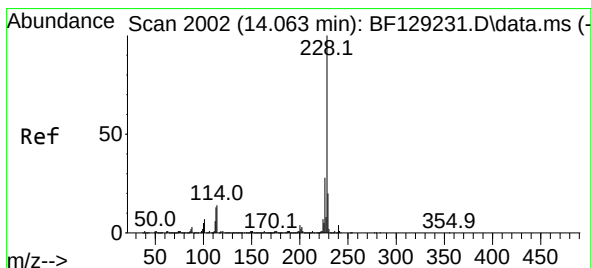
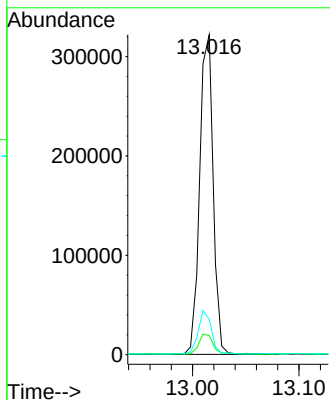
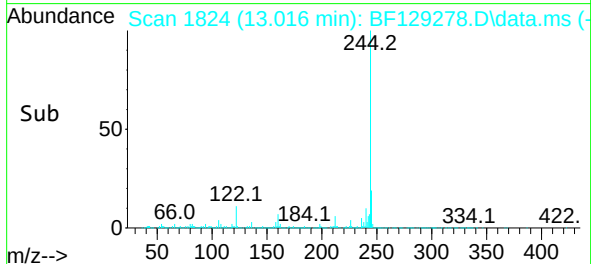


Tgt Ion:244 Resp: 285090
 Ion Ratio Lower Upper
 244 100
 212 6.0 6.1 9.1
 122 11.1 8.8 13.2

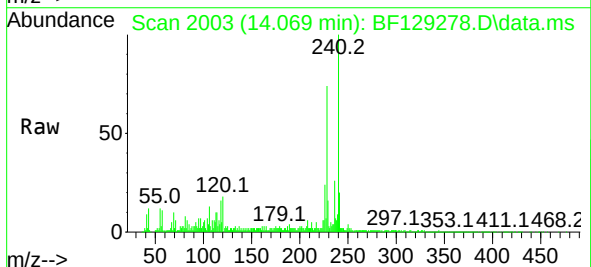
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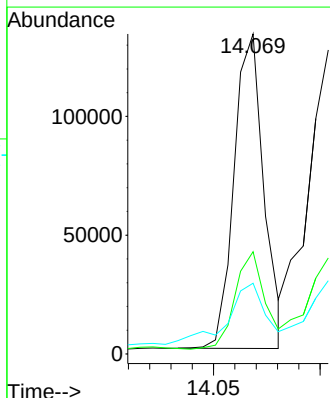
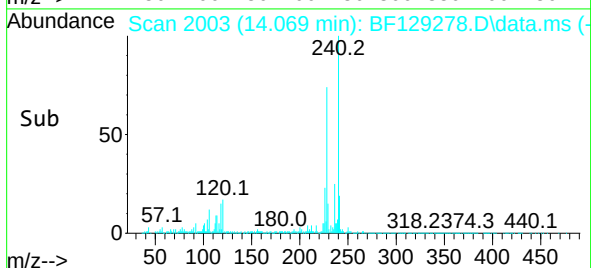
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022

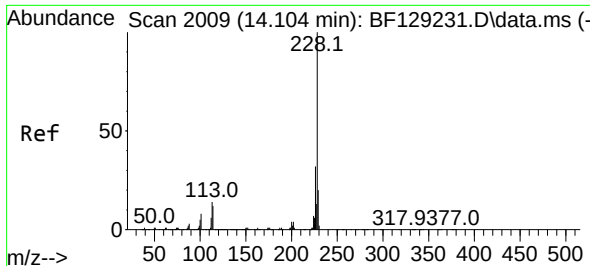


#81
 Benzo(a)anthracene
 Concen: 4.190 ng
 RT: 14.069 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: BF129278.D
 Acq: 18 Jul 2022 20:49



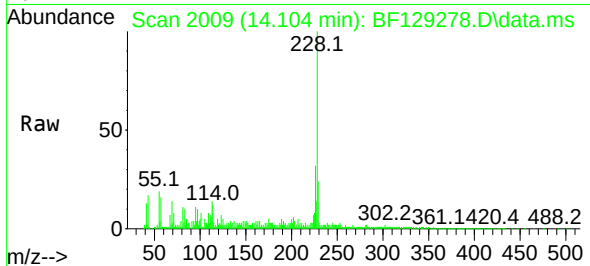
Tgt Ion:228 Resp: 128521
 Ion Ratio Lower Upper
 228 100
 226 31.9 22.1 33.1
 229 22.1 15.8 23.8





#83
Chrysene
Concen: 4.396 ng m
RT: 14.104 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

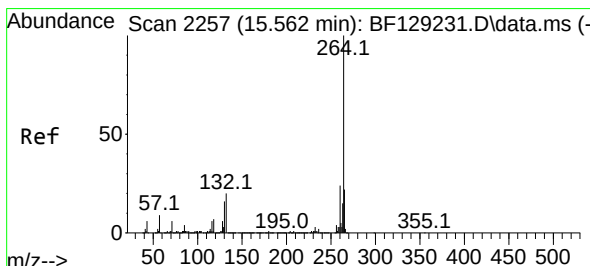
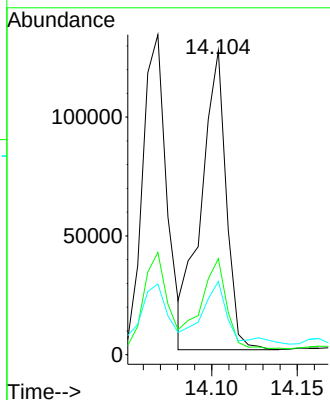
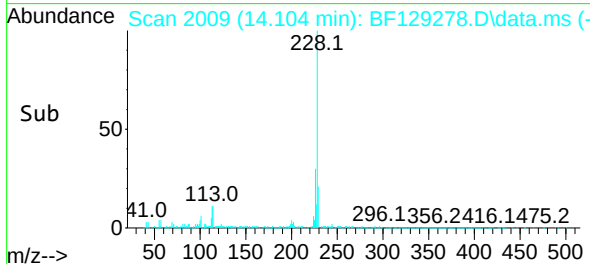
Instrument :
BNA_F
ClientSampleId :
CL-02-071522



Tgt Ion:228 Resp: 128700
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 24.1 15.9 23.9

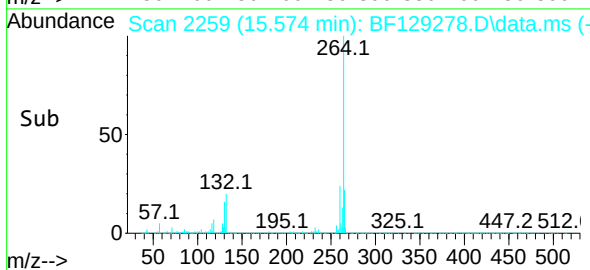
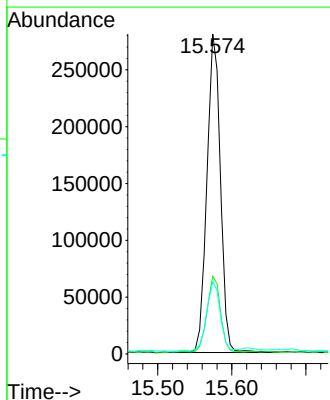
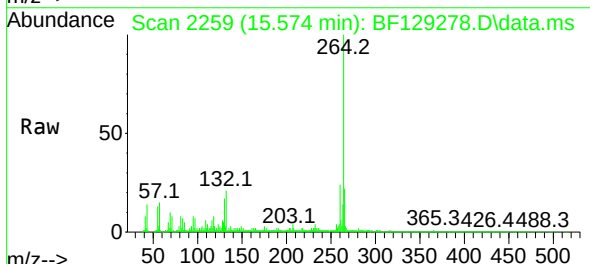
Manual Integrations
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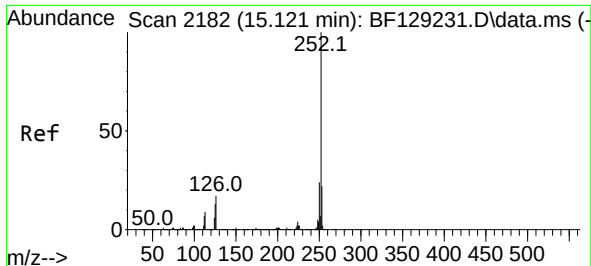
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2259
Delta R.T. 0.012 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

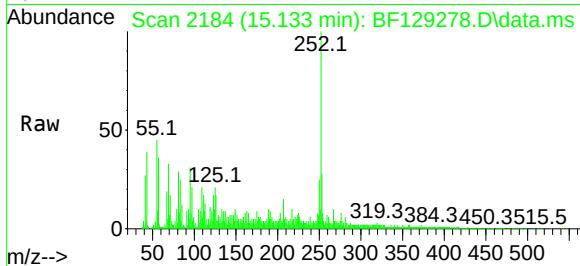
Tgt Ion:264 Resp: 354467
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 22.5 17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 5.354 ng m
RT: 15.133 min Scan# 2182
Delta R.T. 0.012 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

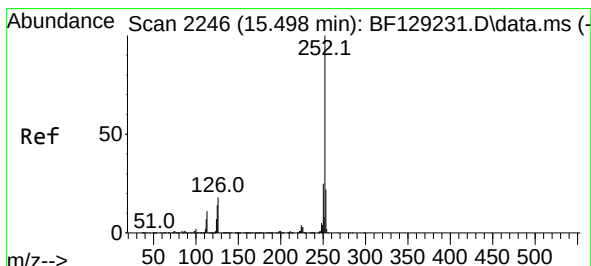
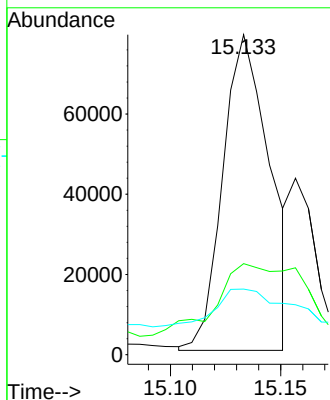
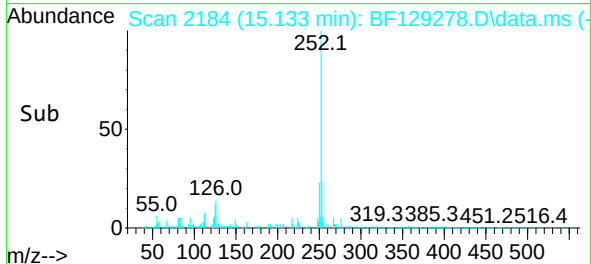
Instrument :
BNA_F
ClientSampleId :
CL-02-071522



Tgt Ion:252 Resp: 11658
Ion Ratio Lower Upper
252 100
253 28.5 17.7 26.5
125 20.5 8.0 12.0

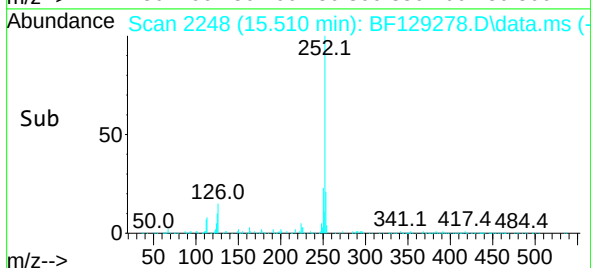
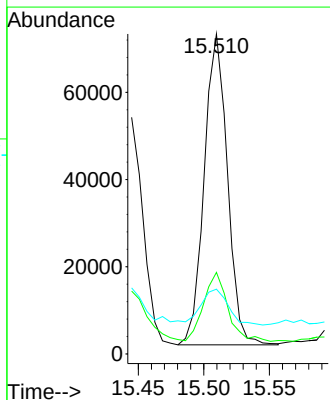
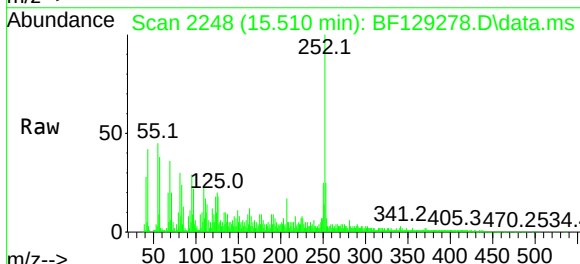
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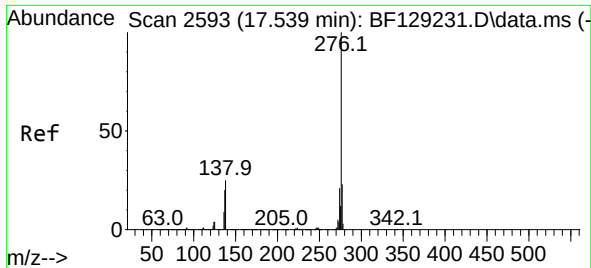
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 15.510 min Scan# 2248
Delta R.T. 0.012 min
Lab File: BF129278.D
Acq: 18 Jul 2022 20:49

Tgt Ion:252 Resp: 87935
Ion Ratio Lower Upper
252 100
253 25.5 17.0 25.6
125 20.3 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.449 ng

RT: 17.557 min Scan# 2596

Delta R.T. 0.018 min

Lab File: BF129278.D

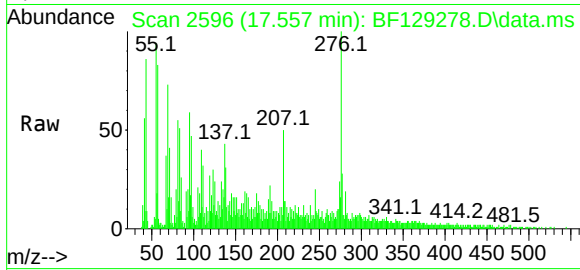
Acq: 18 Jul 2022 20:49

Instrument :

BNA_F

ClientSampleId :

CL-02-071522



Tgt Ion: 276 Resp: 4475

Ion Ratio Lower Upper

276 100

277 28.0 19.1 28.7

138 30.8 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022

