

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120122\
 Data File : BF131491.D
 Acq On : 01 Dec 2022 16:06
 Operator : CG\JU
 Sample : N5804-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-STOCK

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/02/2022
 Supervised By : Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 03:27:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 12:46:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	79050	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	384153	20.000	ng	-0.01
39) Acenaphthene-d10	9.998	164	205964	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	333878	20.000	ng	-0.01
76) Chrysene-d12	14.151	240	213701	20.000	ng	0.00
86) Perylene-d12	15.686	264	168478	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	504371	121.433	ng	0.00
7) Phenol-d6	6.563	99	635692	119.956	ng	0.00
23) Nitrobenzene-d5	7.510	82	438768	57.575	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	211528	122.074	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	964302	68.113	ng	0.00
79) Terphenyl-d14	13.092	244	794789	60.818	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.516	178	101052	5.600	ng	98
75) Fluoranthene	12.716	202	280807	14.769	ng	98
78) Pyrene	12.945	202	253987	13.471	ng	98
81) Benzo(a)anthracene	14.139	228	161696	11.039	ng	98
83) Chrysene	14.174	228	142720	9.931	ng	98
87) Indeno(1,2,3-cd)pyrene	17.245	276	60994	5.390	ng	97
88) Benzo(b)fluoranthene	15.227	252	222113m	19.845	ng	
89) Benzo(k)fluoranthene	15.257	252	57771m	5.023	ng	
90) Benzo(a)pyrene	15.615	252	102686	11.181	ng	# 98
92) Benzo(g,h,i)perylene	17.721	276	51689	5.544	ng	99

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

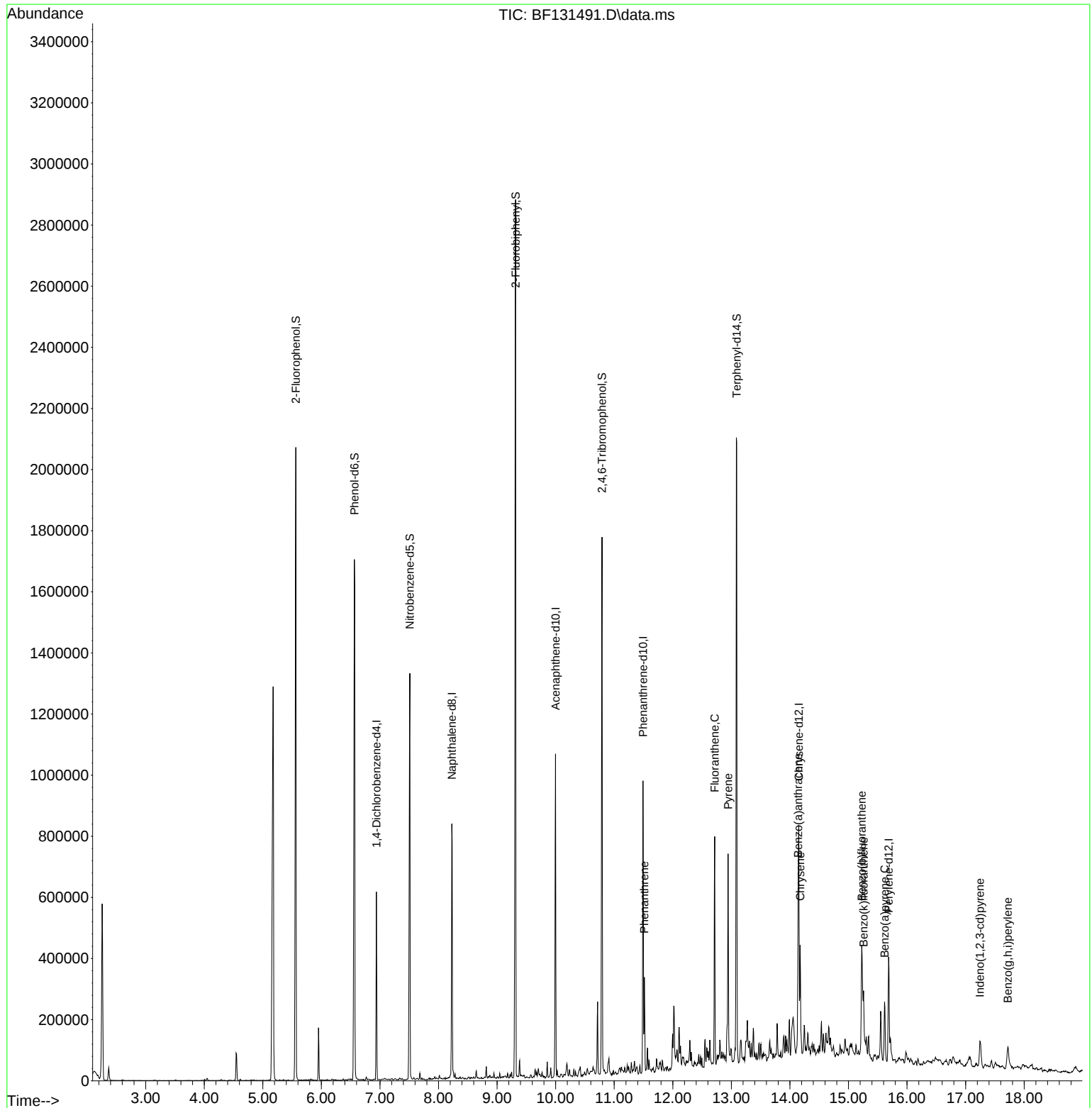
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120122\
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Quant Time: Dec 02 03:27:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 01 12:46:17 2022
Response via : Initial Calibration

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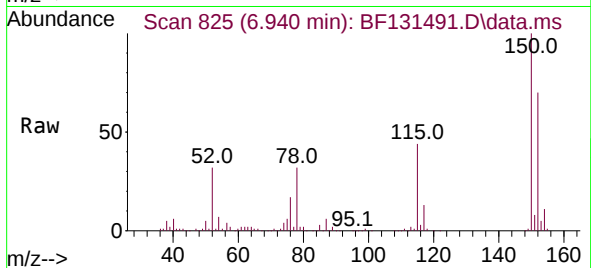
Reviewed By : Christian Giraldo 12/02/2022
Supervised By : Jagrut Upadhyay 12/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

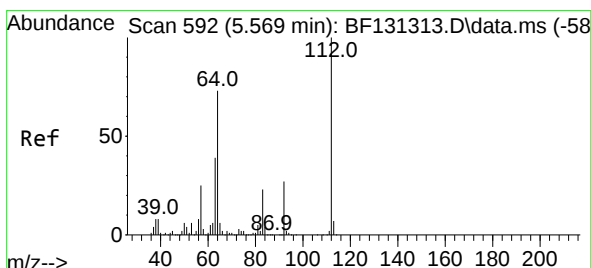
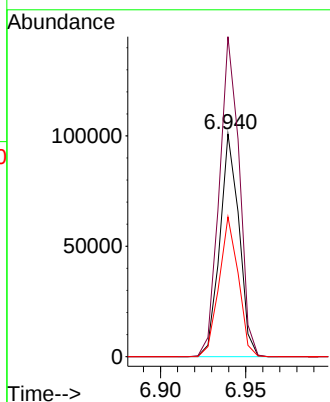
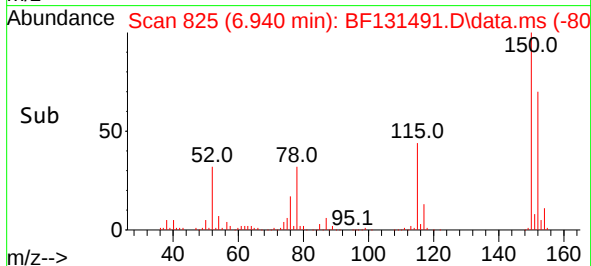
Instrument :
BNA_F
ClientSampleId :
SB-1-STOCK



Tgt Ion:152 Resp: 79050
Ion Ratio Lower Upper
152 100
150 143.7 117.8 176.8
115 62.7 47.1 70.7

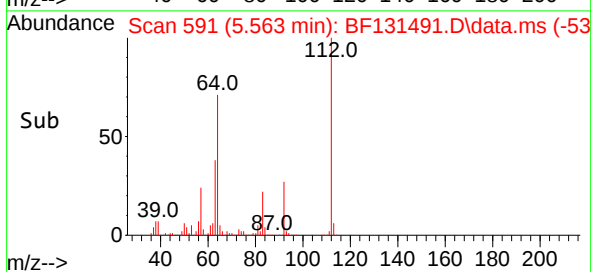
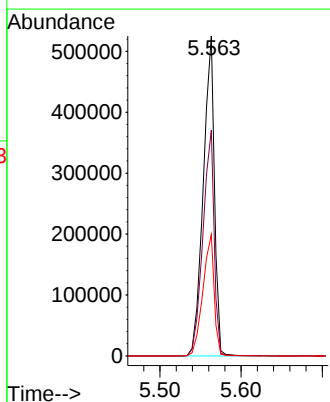
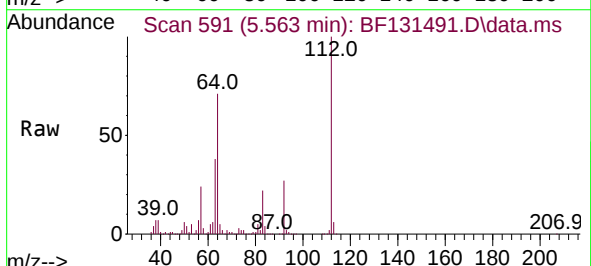
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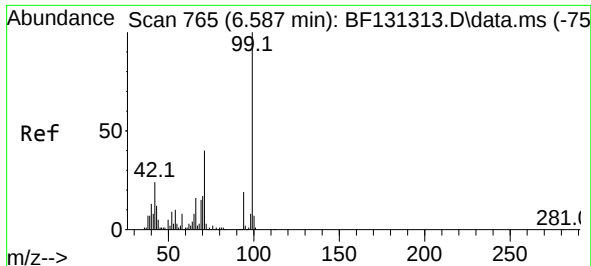
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#5
2-Fluorophenol
Concen: 121.433 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

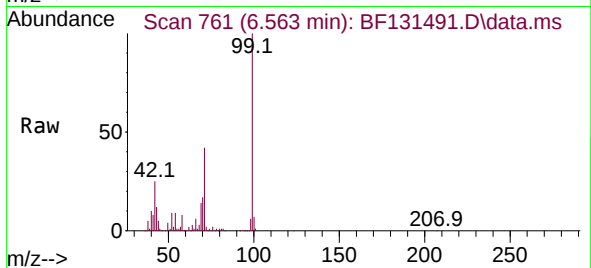
Tgt Ion:112 Resp: 504371
Ion Ratio Lower Upper
112 100
64 70.5 58.6 88.0
63 37.9 31.4 47.0





#7
Phenol-d6
Concen: 119.956 ng
RT: 6.563 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

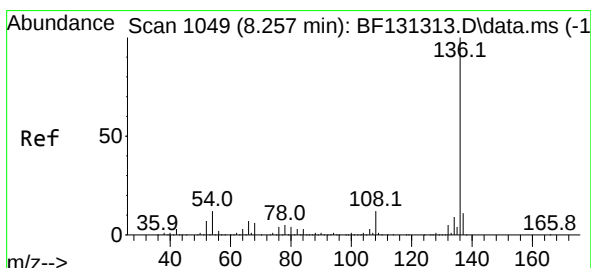
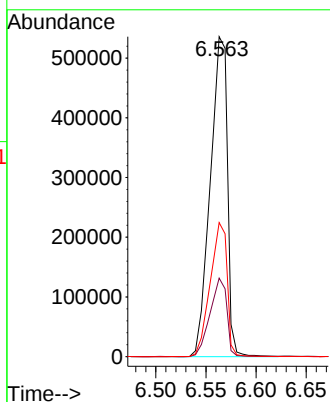
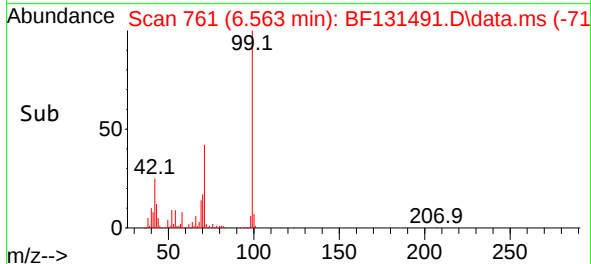
Instrument :
BNA_F
ClientSampleId :
SB-1-STOCK



Tgt Ion: 99 Resp: 635692
Ion Ratio Lower Upper
99 100
42 24.5 19.4 29.2
71 41.9 32.3 48.5

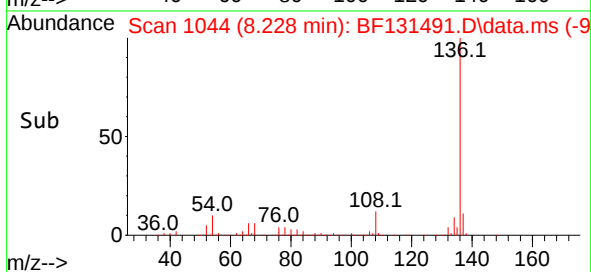
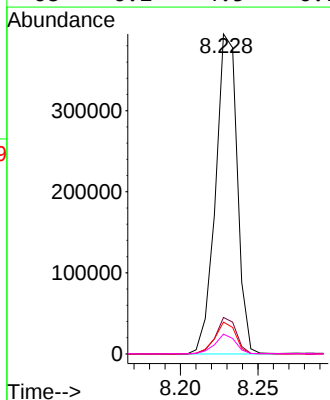
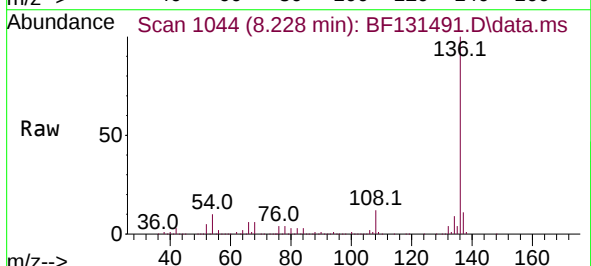
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Tgt Ion:136 Resp: 384153
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 10.0 9.4 14.0
68 6.2 4.5 6.7





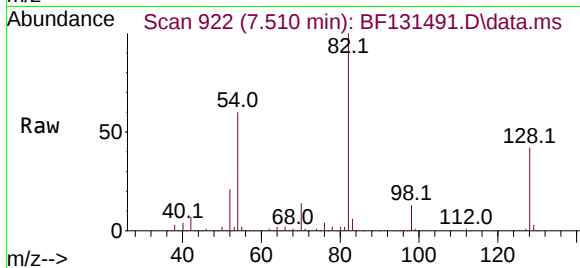
#23
Nitrobenzene-d5
Concen: 57.575 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Instrument :

BNA_F

ClientSampleId :

SB-1-STOCK

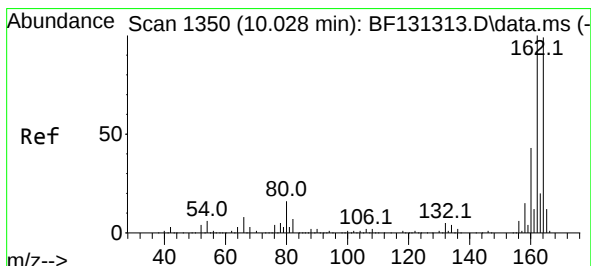
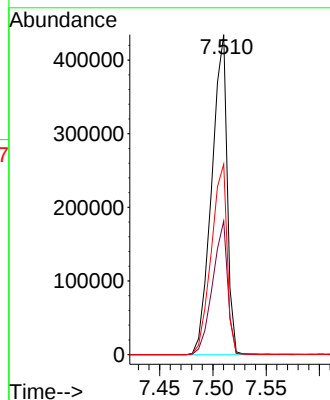
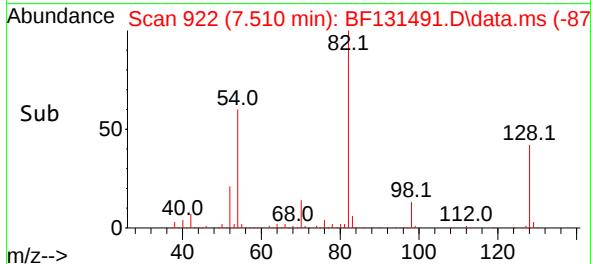


Tgt Ion: 82 Resp: 438768
Ion Ratio Lower Upper
82 100
128 41.7 31.4 47.0
54 59.5 49.8 74.6

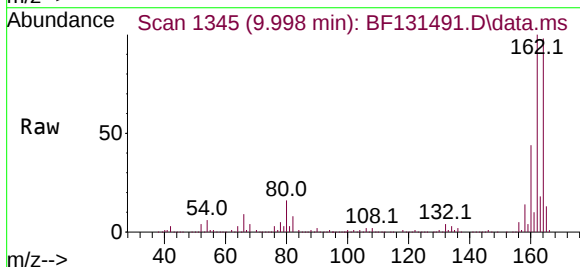
Manual Integrations

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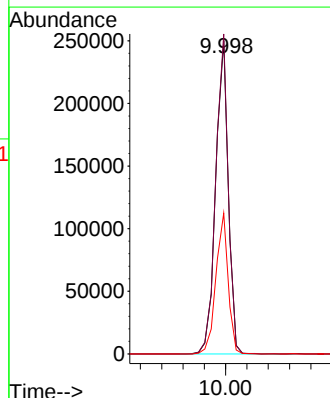
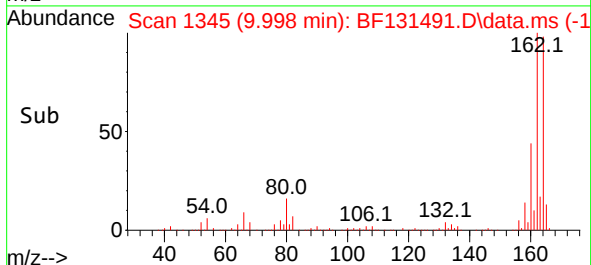
Reviewed By :Christian Giraldo 12/02/2022
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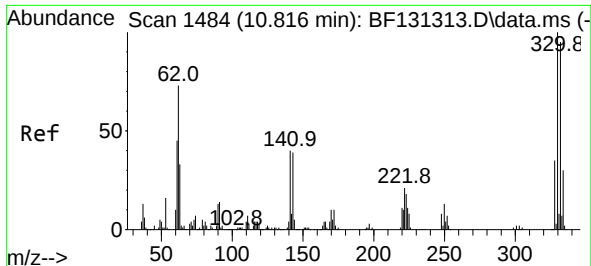


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06



Tgt Ion:164 Resp: 205964
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 44.9 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 122.074 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Instrument :

BNA_F

ClientSampleId :

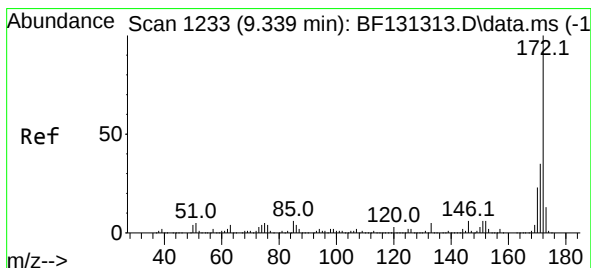
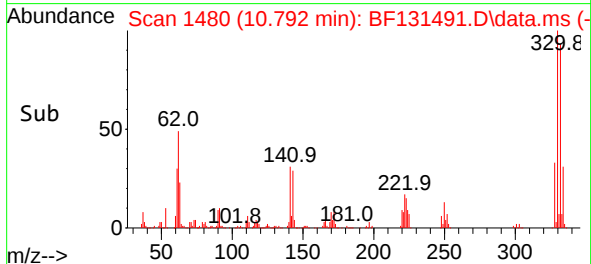
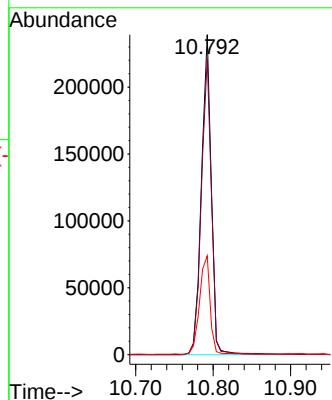
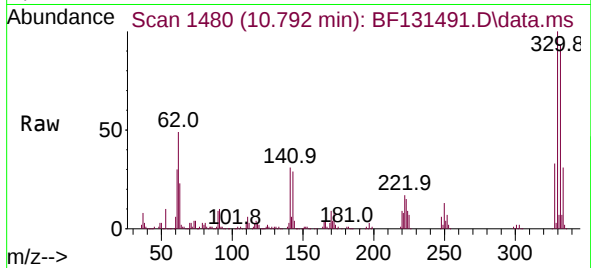
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Tgt Ion: 330 Resp: 211528
Ion Ratio Lower Upper
330 100
332 94.3 77.5 116.3
141 33.2 29.3 43.9

Manual Integrations

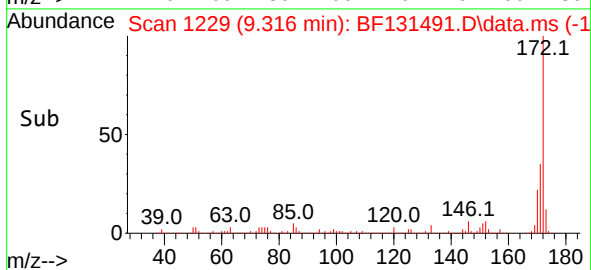
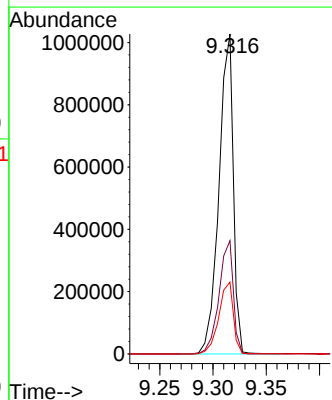
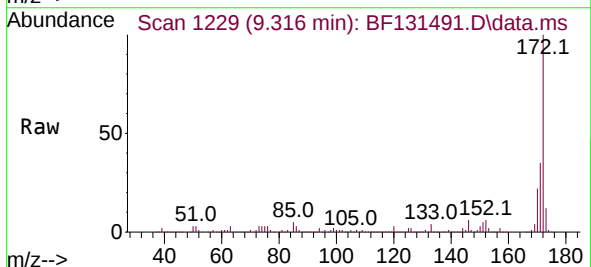
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#45
2-Fluorobiphenyl
Concen: 68.113 ng
RT: 9.316 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Tgt Ion: 172 Resp: 964302
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 22.5 18.7 28.1





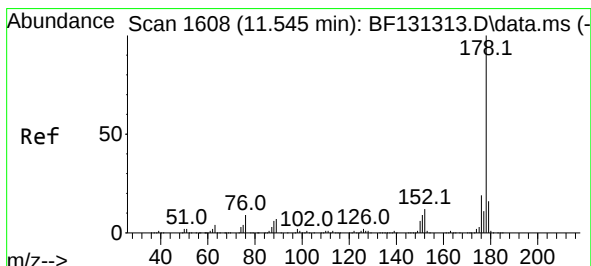
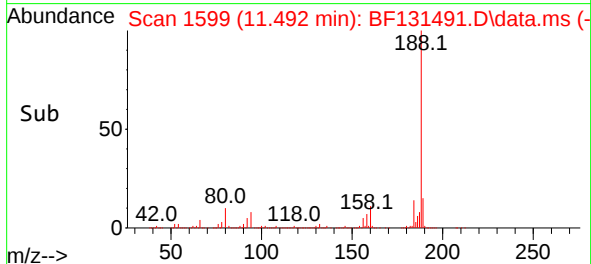
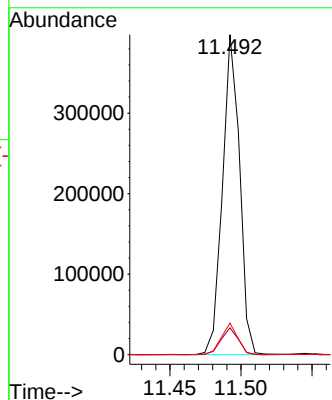
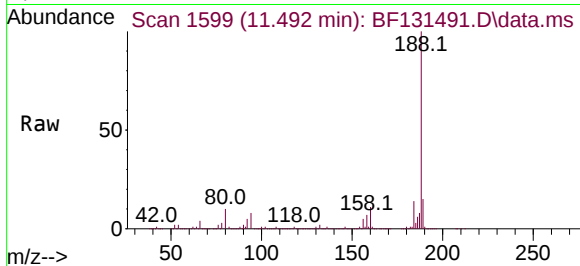
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Instrument :
BNA_F
ClientSampleId :
SB-1-STOCK

Tgt Ion:188 Resp: 333878
Ion Ratio Lower Upper
188 100
94 8.4 6.3 9.5
80 9.9 6.8 10.2

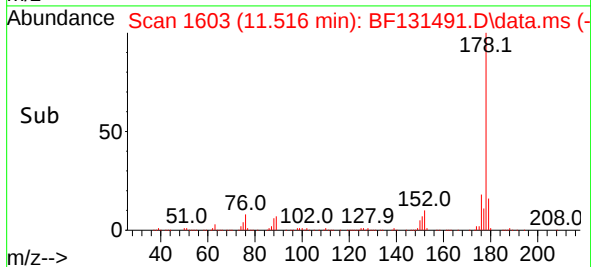
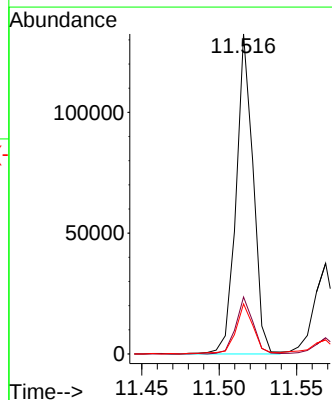
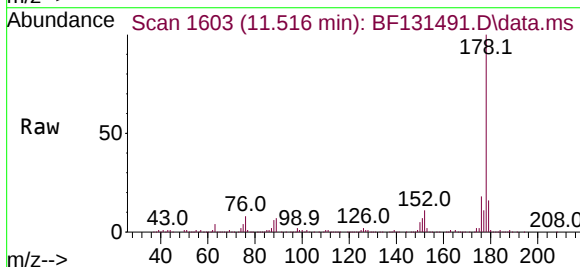
Manual Integrations
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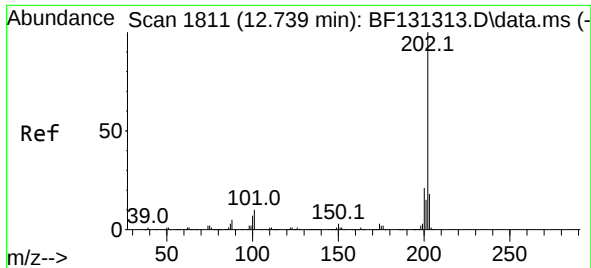
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#71
Phenanthrene
Concen: 5.600 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

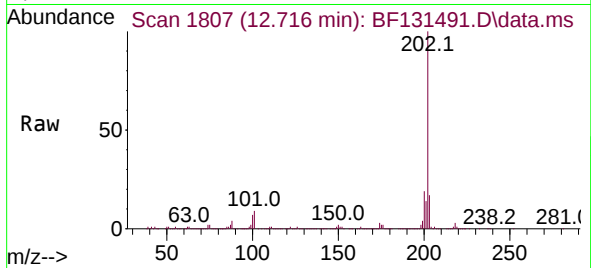
Tgt Ion:178 Resp: 101052
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 14.769 ng
RT: 12.716 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

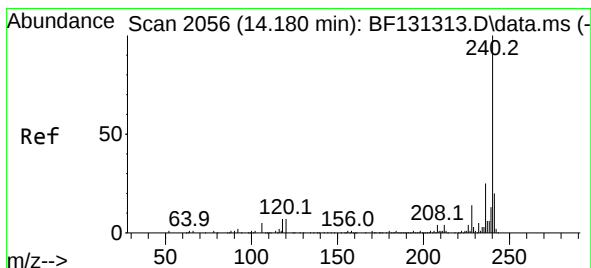
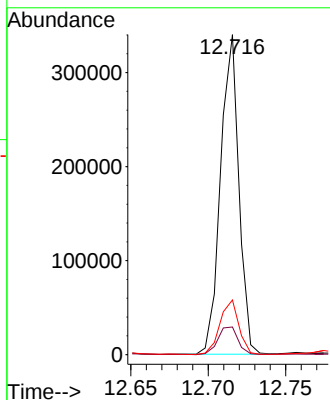
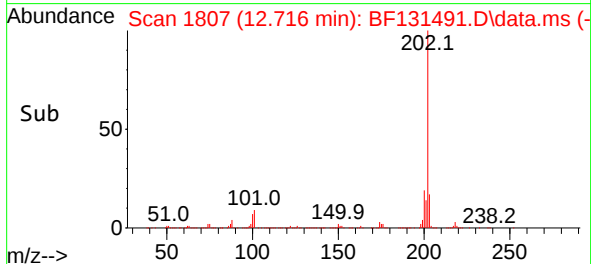
Instrument :
BNA_F
ClientSampleId :
SB-1-STOCK



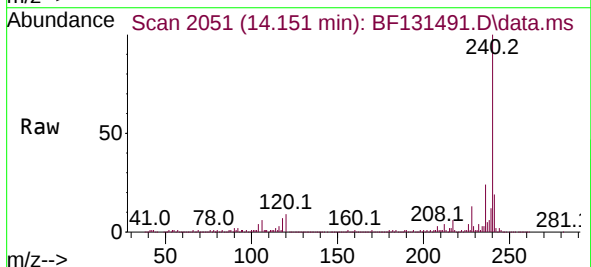
Tgt Ion:202 Resp: 28080
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.6
203 17.1 0.0 37.8

Manual Integrations
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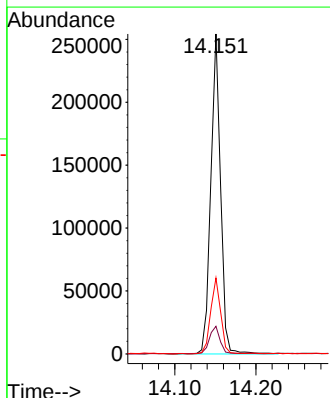
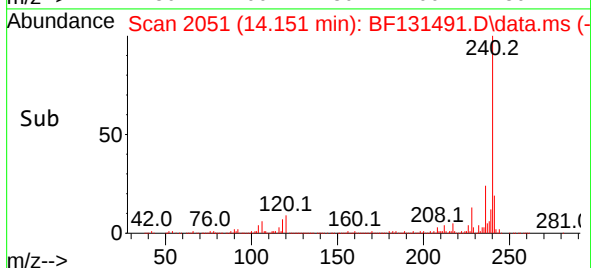
Reviewed By :Christian Giraldo 12/02/2022
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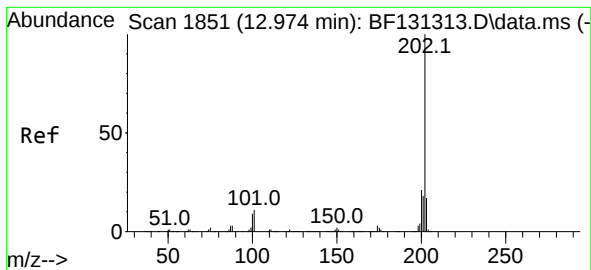


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06



Tgt Ion:240 Resp: 213701
Ion Ratio Lower Upper
240 100
120 8.6 5.8 8.8
236 23.7 20.3 30.5





#78

Pyrene

Concen: 13.471 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.012 min

Lab File: BF131491.D

Acq: 01 Dec 2022 16:06

Instrument :

BNA_F

ClientSampleId :

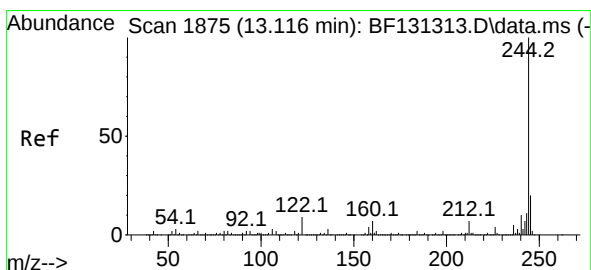
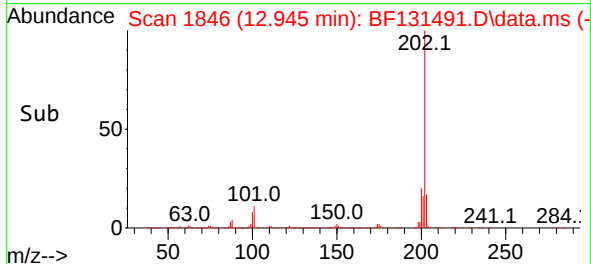
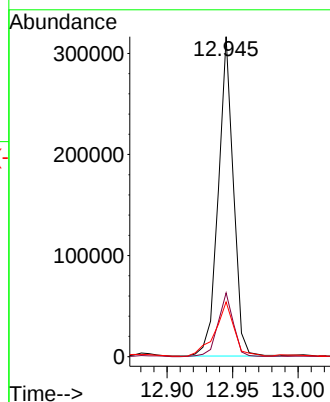
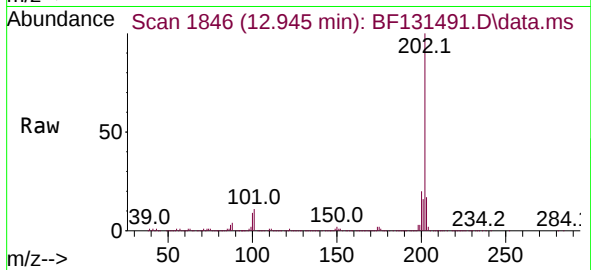
SB-1-STOCK

Tgt Ion:	202	Resp:	25398
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.9	25.3
203	17.1	13.9	20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 60.818 ng

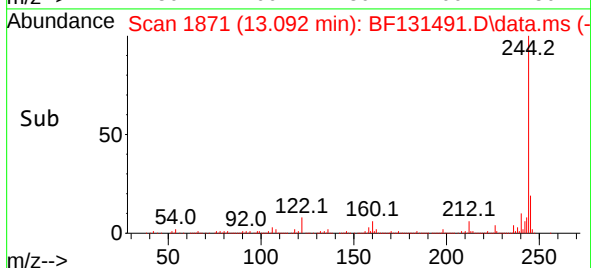
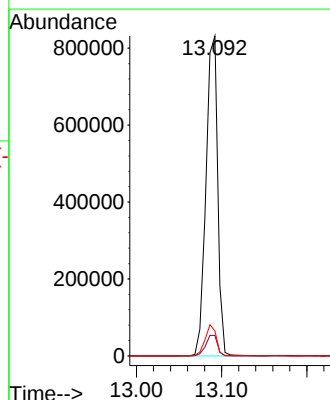
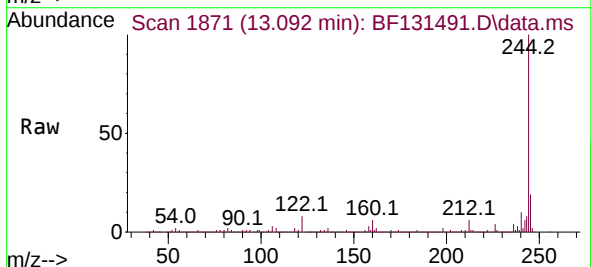
RT: 13.092 min Scan# 1871

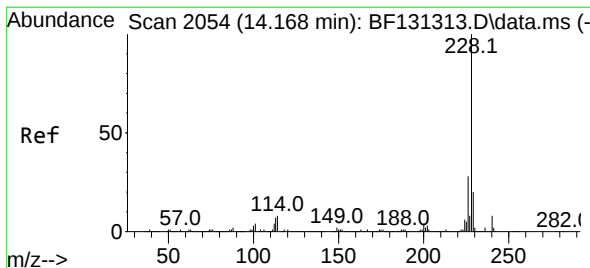
Delta R.T. -0.006 min

Lab File: BF131491.D

Acq: 01 Dec 2022 16:06

Tgt Ion:	244	Resp:	794789
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.9	8.9
122	7.8	7.5	11.3





#81

Benzo(a)anthracene

Concen: 11.039 ng

RT: 14.139 min Scan# 2049

Delta R.T. -0.006 min

Lab File: BF131491.D

Acq: 01 Dec 2022 16:06

Instrument :

BNA_F

ClientSampleId :

SB-1-STOCK

Tgt Ion:228 Resp: 161696

Ion Ratio Lower Upper

228 100

226 28.8 22.0 33.0

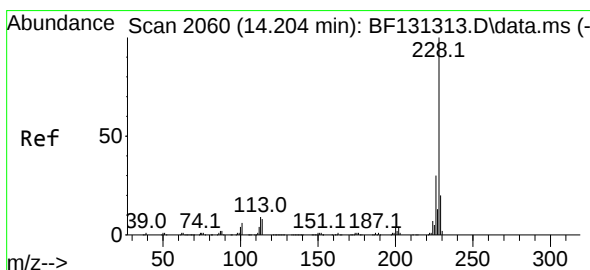
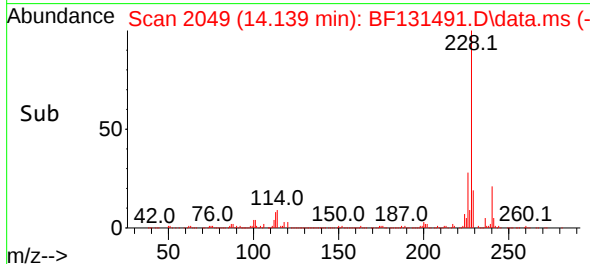
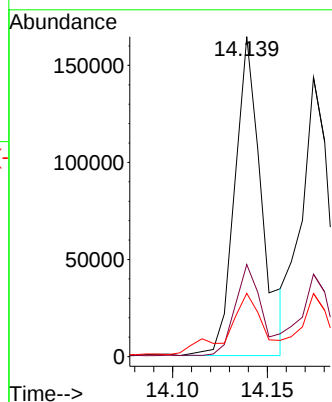
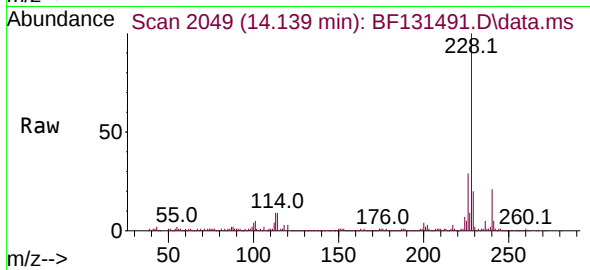
229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#83

Chrysene

Concen: 9.931 ng

RT: 14.174 min Scan# 2055

Delta R.T. -0.012 min

Lab File: BF131491.D

Acq: 01 Dec 2022 16:06

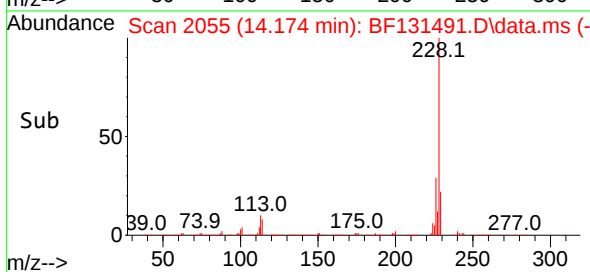
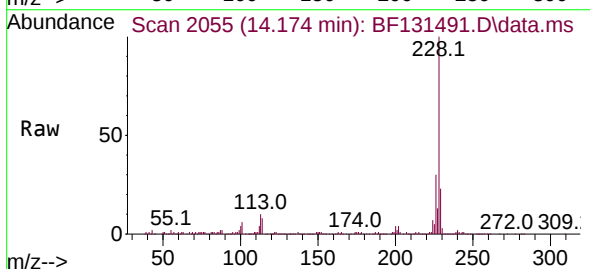
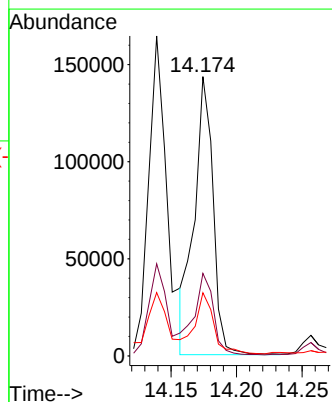
Tgt Ion:228 Resp: 142720

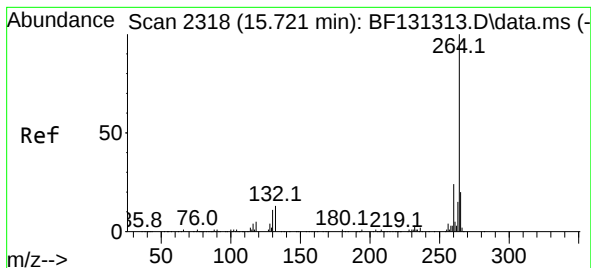
Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

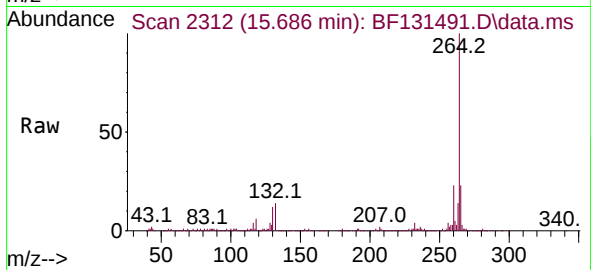
229 22.6 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.686 min Scan# 2318
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

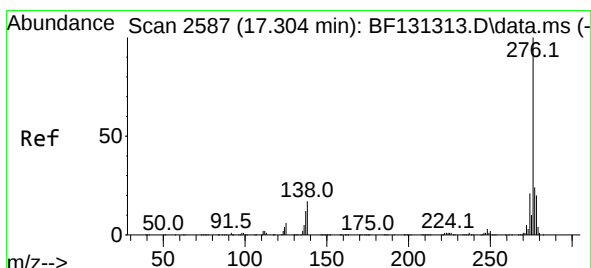
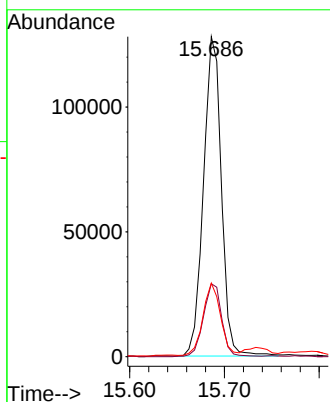
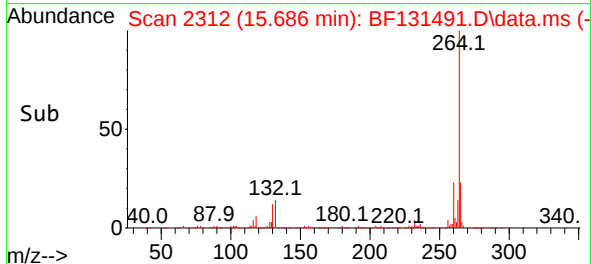
Instrument :
BNA_F
ClientSampleId :
SB-1-STOCK



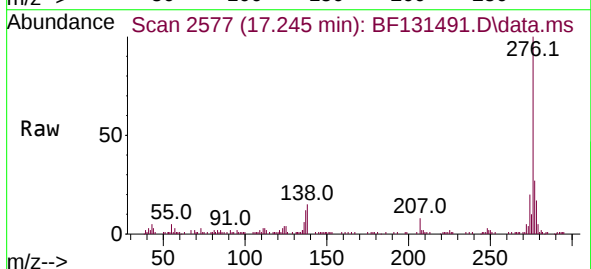
Tgt Ion:264 Resp: 168478
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.4
265 23.0 16.4 24.6

Manual Integrations
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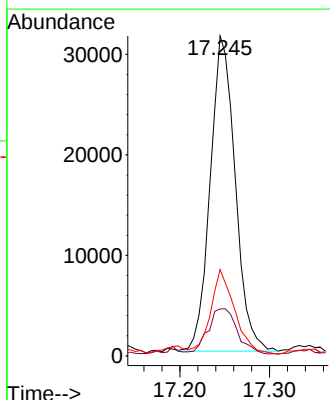
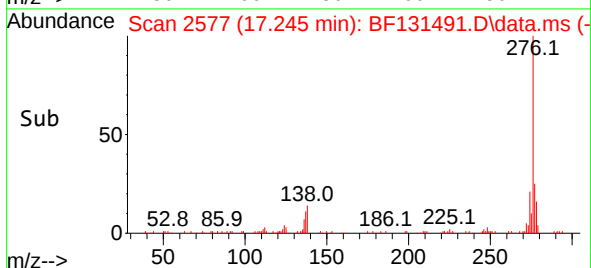
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

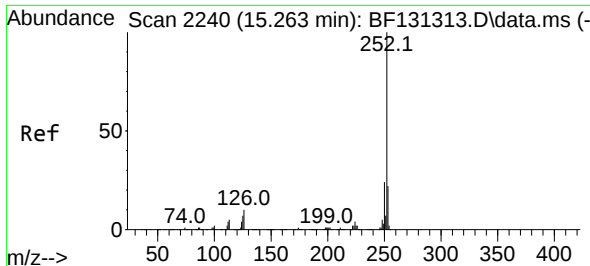


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.390 ng
RT: 17.245 min Scan# 2577
Delta R.T. -0.012 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06



Tgt Ion:276 Resp: 60994
Ion Ratio Lower Upper
276 100
138 16.8 15.8 23.6
277 25.9 20.3 30.5





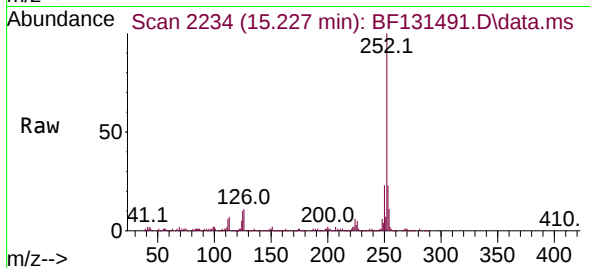
#88
Benzo(b)fluoranthene
Concen: 19.845 ng m
RT: 15.227 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Instrument :

BNA_F

ClientSampleId :

SB-1-STOCK

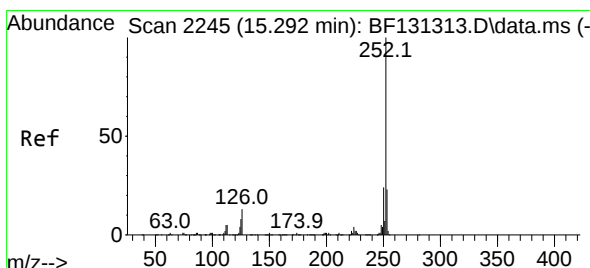
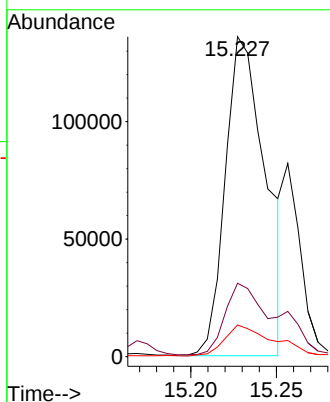
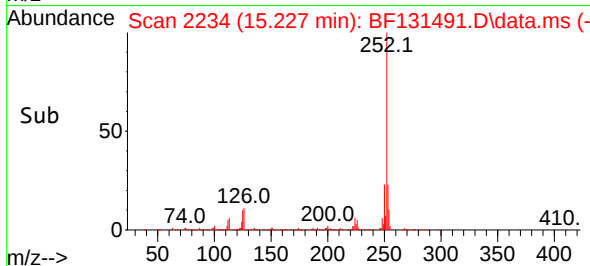


Tgt Ion:252 Resp: 222113
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.9 5.8 8.6

Manual Integrations

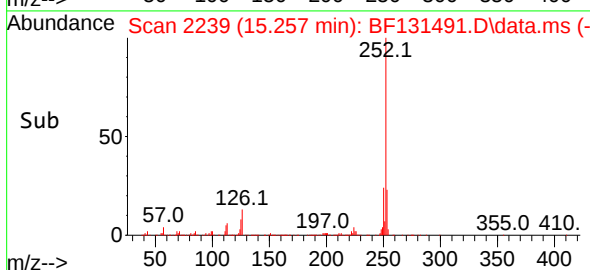
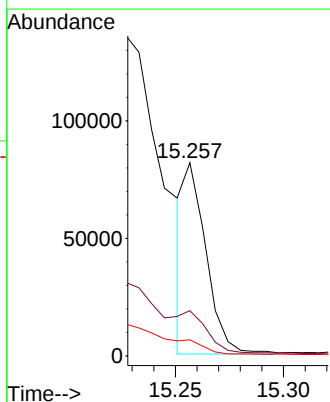
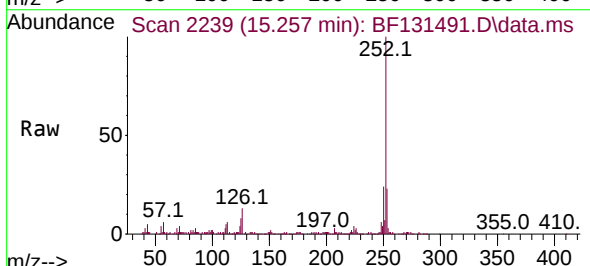
APPROVED

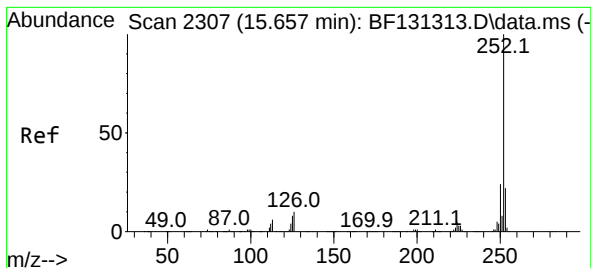
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#89
Benzo(k)fluoranthene
Concen: 5.023 ng m
RT: 15.257 min Scan# 2239
Delta R.T. -0.012 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Tgt Ion:252 Resp: 57771
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 8.3 6.6 10.0





#90
Benzo(a)pyrene
Concen: 11.181 ng
RT: 15.615 min Scan# 2300
Delta R.T. -0.012 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Instrument :

BNA_F

ClientSampleId :

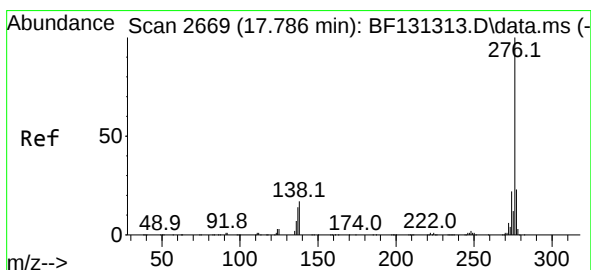
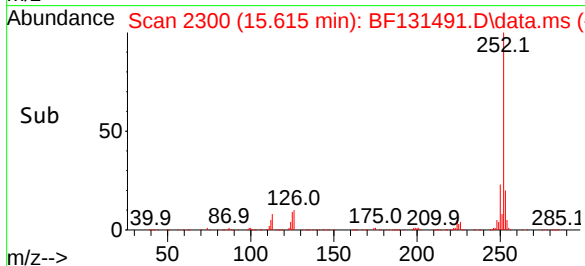
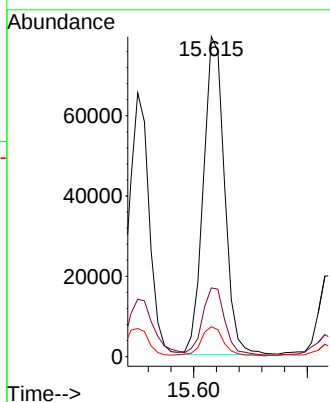
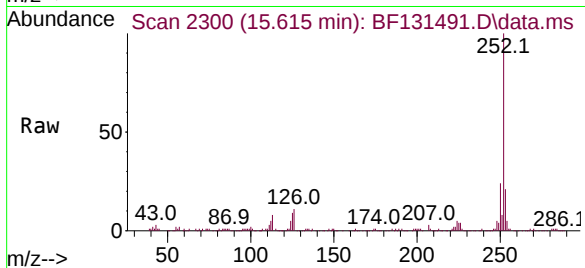
SB-1-STOCK

Tgt Ion:252 Resp: 102686
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 9.3 6.1 9.1

Manual Integrations

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Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#92
Benzo(g,h,i)perylene
Concen: 5.544 ng
RT: 17.721 min Scan# 2658
Delta R.T. -0.018 min
Lab File: BF131491.D
Acq: 01 Dec 2022 16:06

Tgt Ion:276 Resp: 51689
Ion Ratio Lower Upper
276 100
277 22.9 18.3 27.5
138 15.8 13.8 20.6

