

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131436.D
 Acq On : 28 Nov 2022 18:48
 Operator : CG\JU
 Sample : N5752-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-11D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/29/2022
 Supervised By : mohammad ahmed 12/02/2022

Quant Time: Nov 29 00:57:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:18:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	79597	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	280314	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	146393	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	228128	20.000	ng	0.00
76) Chrysene-d12	14.157	240	172796	20.000	ng	#-0.01
86) Perylene-d12	15.698	264	173867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	393778	94.155	ng	0.00
7) Phenol-d6	6.569	99	489882	91.806	ng	0.00
23) Nitrobenzene-d5	7.516	82	332756	59.839	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	116927	94.938	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	633540	62.960	ng	0.00
79) Terphenyl-d14	13.098	244	550954	52.140	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.721	202	75766	5.832	ng	97
78) Pyrene	12.951	202	74164	4.865	ng	98
81) Benzo(a)anthracene	14.145	228	50054m	4.226	ng	
83) Chrysene	14.180	228	49326	4.245	ng	99
87) Indeno(1,2,3-cd)pyrene	17.256	276	39249	3.361	ng	96
88) Benzo(b)fluoranthene	15.233	252	86729m	7.509	ng	
90) Benzo(a)pyrene	15.627	252	60324	6.365	ng	# 96
92) Benzo(g,h,i)perylene	17.733	276	35578	3.697	ng	96

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

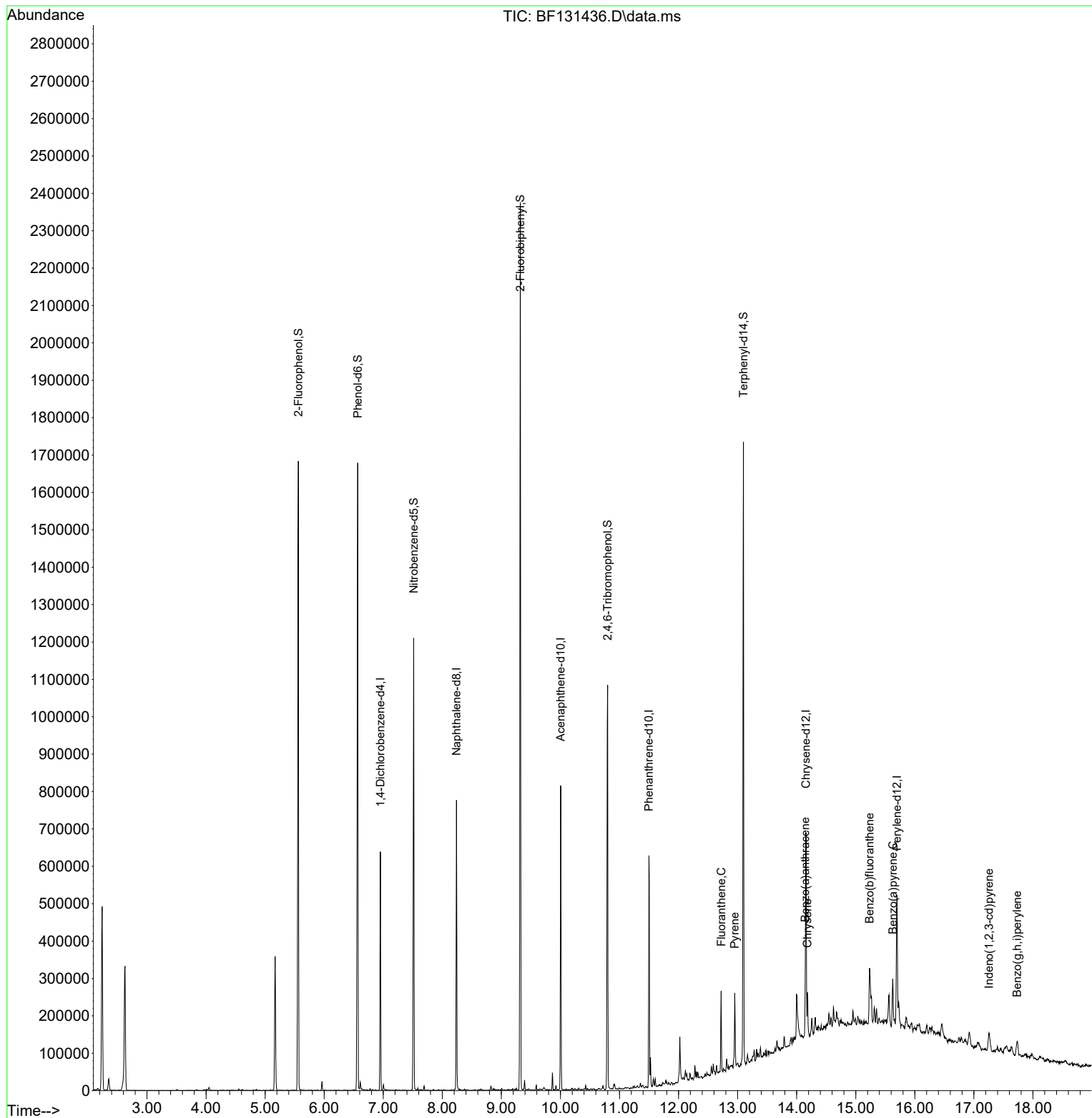
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
Data File : BF131436.D
Acq On : 28 Nov 2022 18:48
Operator : CG\JU
Sample : N5752-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

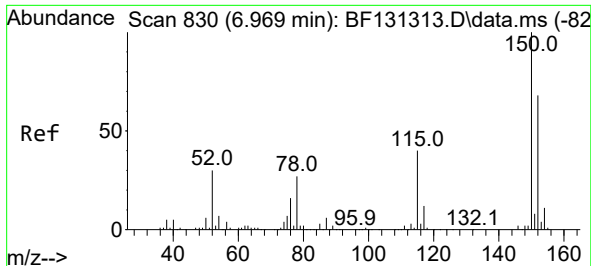
Instrument :
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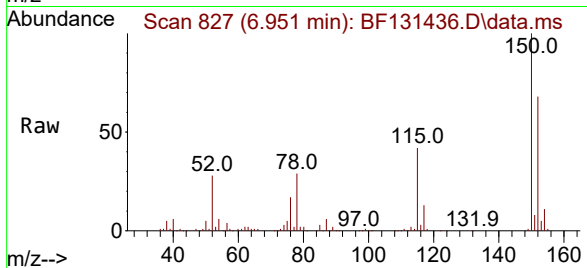
Quant Time: Nov 29 00:57:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

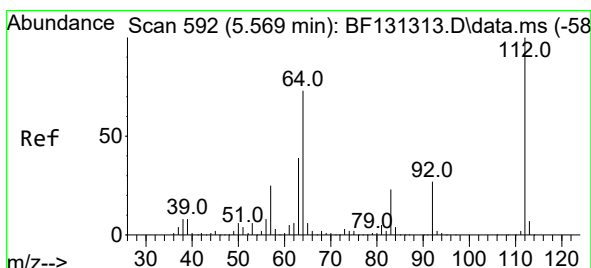
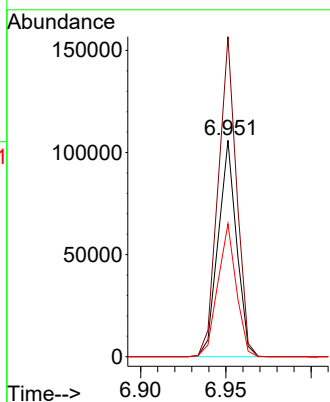
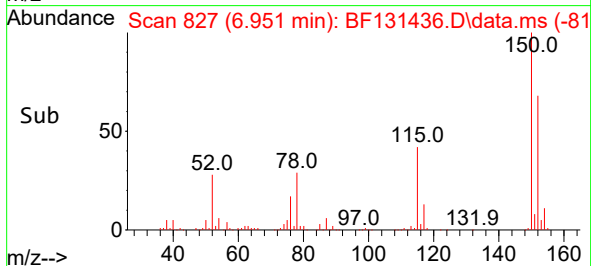
Instrument :
BNA_F
ClientSampleId :
B-11D



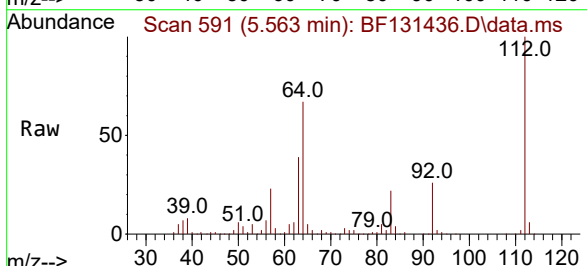
Tgt Ion:152 Resp: 7959
Ion Ratio Lower Upper
152 100
150 147.9 117.8 176.8
115 61.5 47.1 70.7

Manual Integrations
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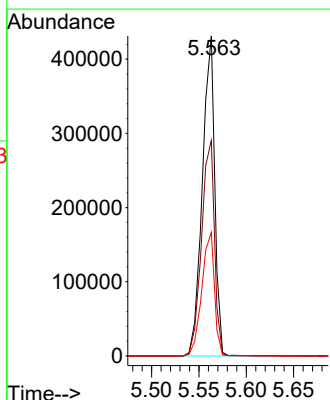
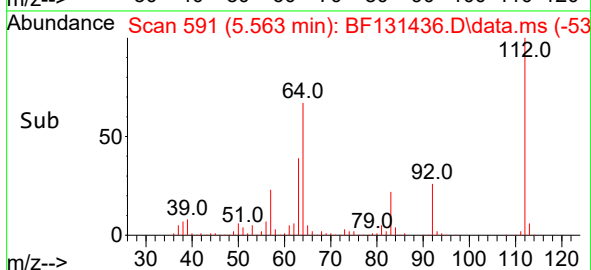
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

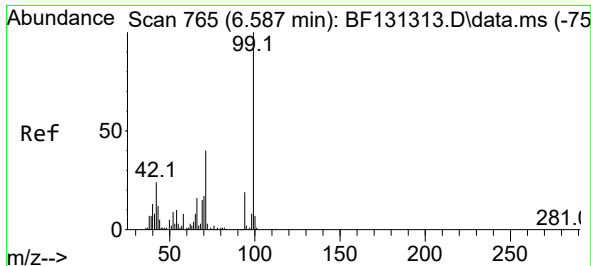


#5
2-Fluorophenol
Concen: 94.155 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48



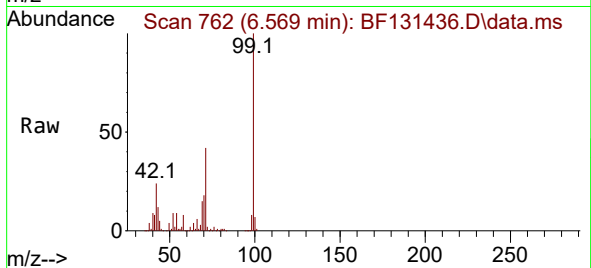
Tgt Ion:112 Resp: 393778
Ion Ratio Lower Upper
112 100
64 67.4 58.6 88.0
63 38.6 31.4 47.0





#7
Phenol-d6
Concen: 91.806 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

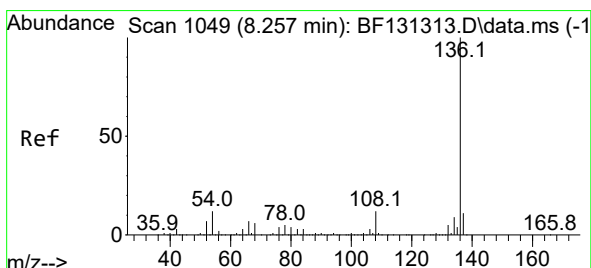
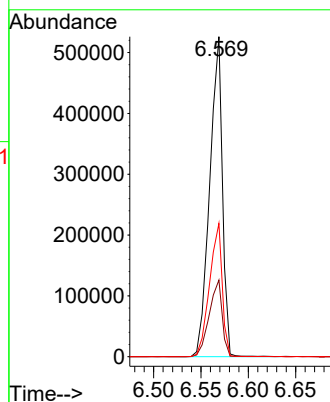
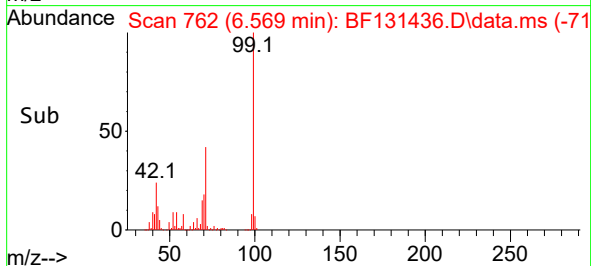
Instrument :
BNA_F
ClientSampleId :
B-11D



Tgt Ion: 99 Resp: 489882
Ion Ratio Lower Upper
99 100
42 23.9 19.4 29.2
71 41.6 32.3 48.5

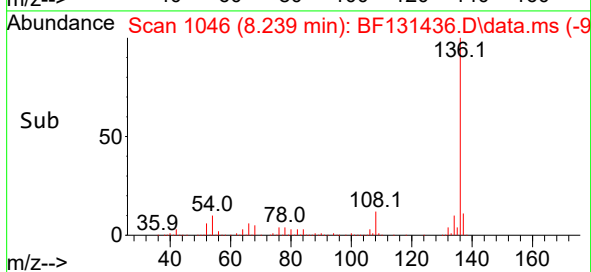
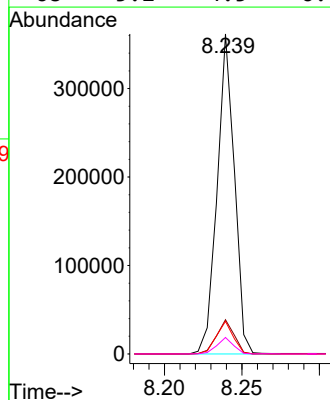
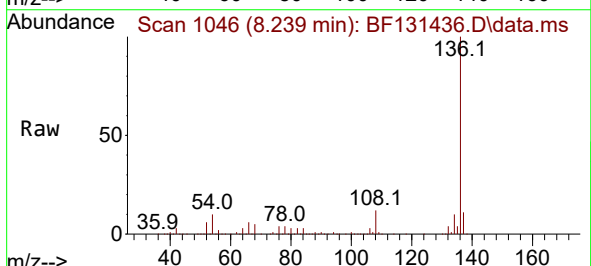
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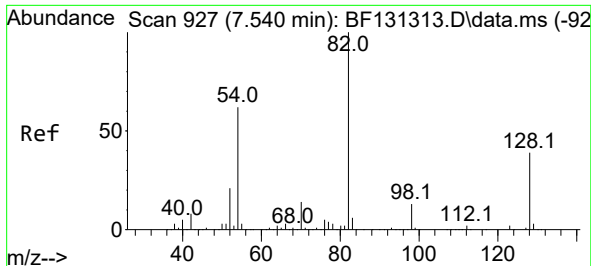
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:136 Resp: 280314
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.2 9.4 14.0
68 5.2 4.5 6.7





#23

Nitrobenzene-d5

Concen: 59.839 ng

RT: 7.516 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

B-11D

Tgt Ion: 82 Resp: 332750

Ion Ratio Lower Upper

82 100

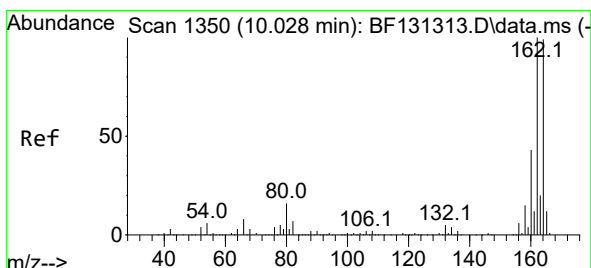
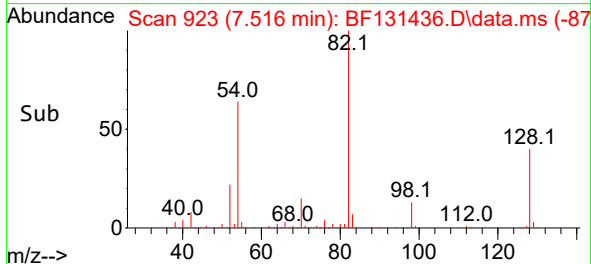
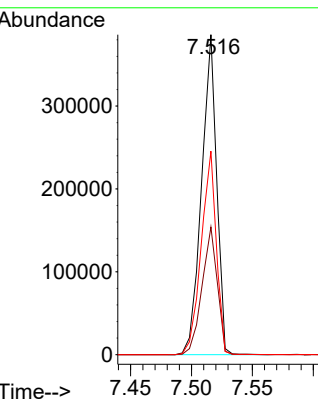
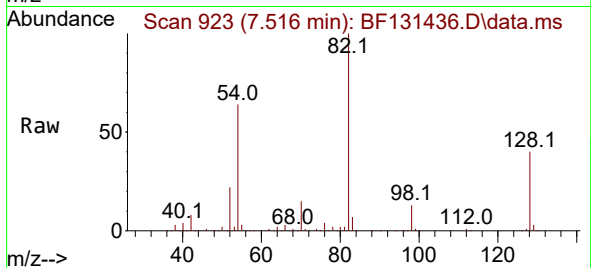
128 39.9 31.4 47.0

54 63.6 49.8 74.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1346

Delta R.T. -0.006 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

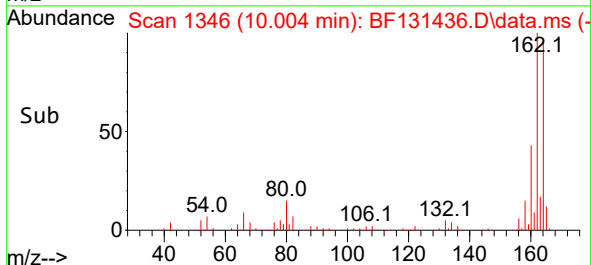
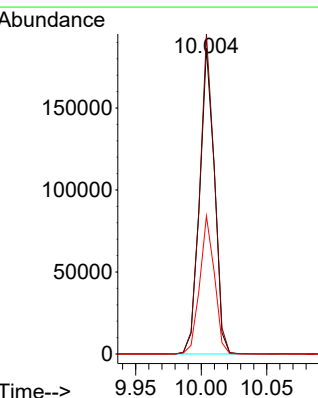
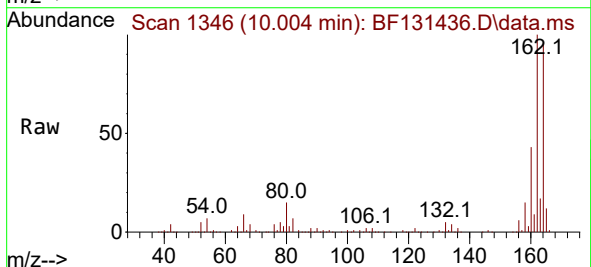
Tgt Ion:164 Resp: 146393

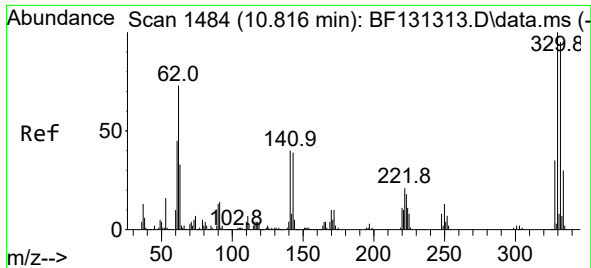
Ion Ratio Lower Upper

164 100

162 104.6 80.6 120.8

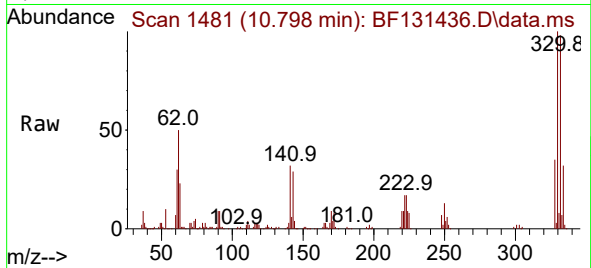
160 45.1 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 94.938 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

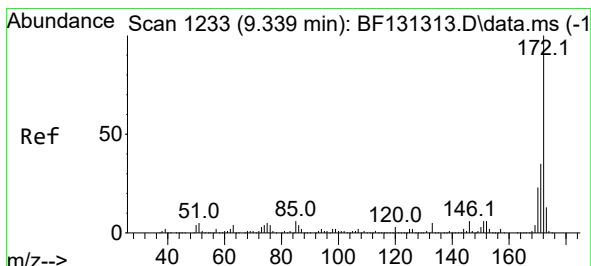
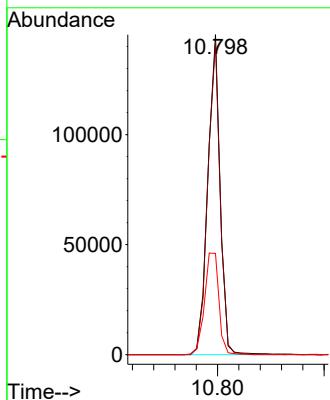
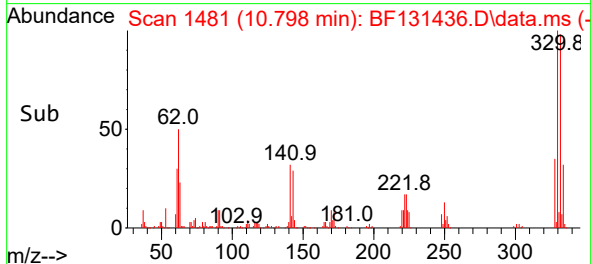
Instrument :
BNA_F
ClientSampleId :
B-11D



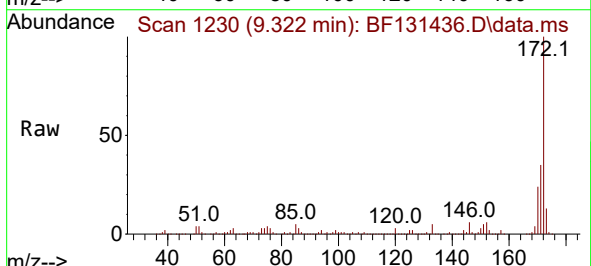
Tgt Ion: 330 Resp: 116927
Ion Ratio Lower Upper
330 100
332 97.8 77.5 116.3
141 37.1 29.3 43.9

Manual Integrations
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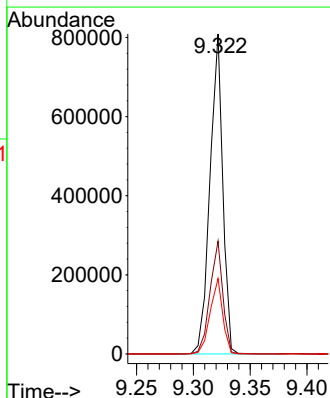
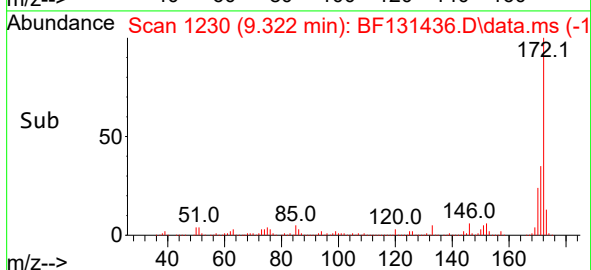
Reviewed By : Christian Giraldo 11/29/2022
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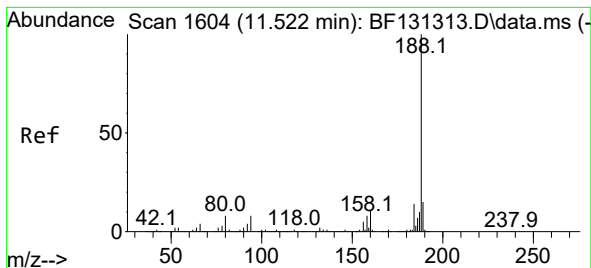


#45
2-Fluorobiphenyl
Concen: 62.960 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48



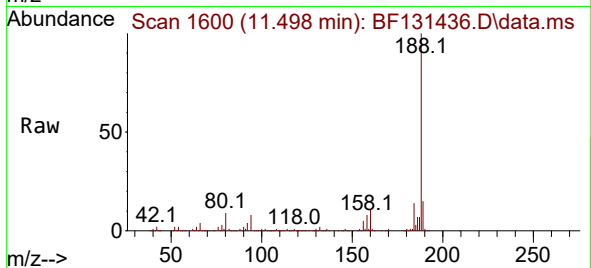
Tgt Ion: 172 Resp: 633540
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

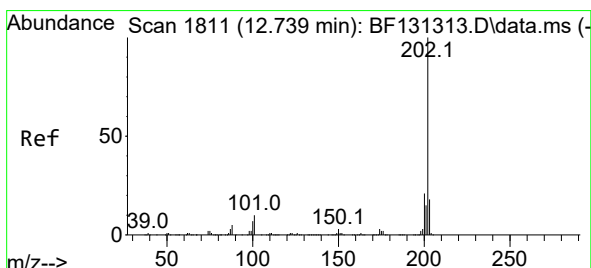
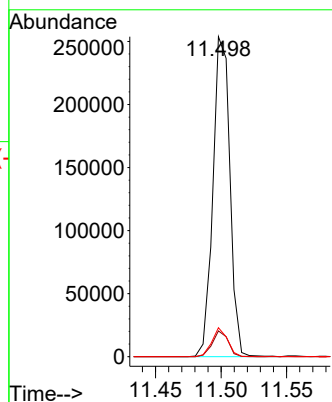
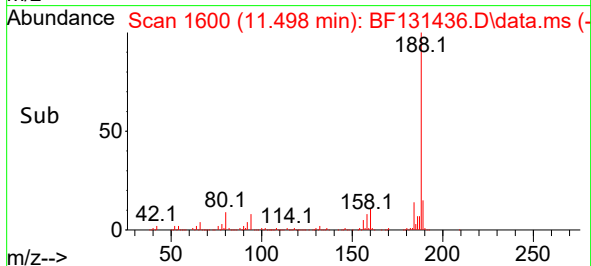
Instrument :
BNA_F
ClientSampleId :
B-11D



Tgt Ion:188 Resp: 228128
Ion Ratio Lower Upper
188 100
94 8.1 6.3 9.5
80 9.1 6.8 10.2

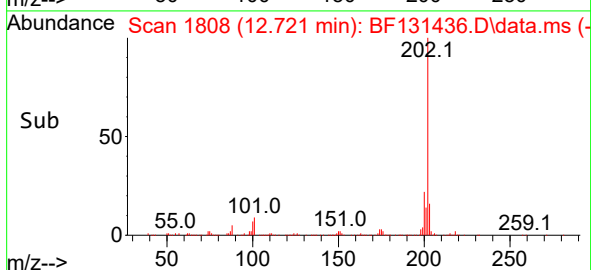
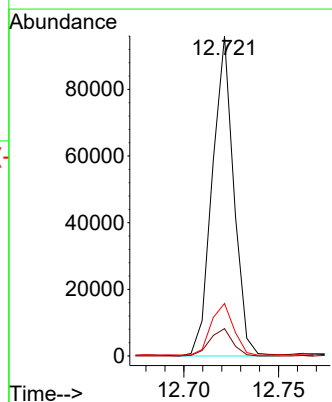
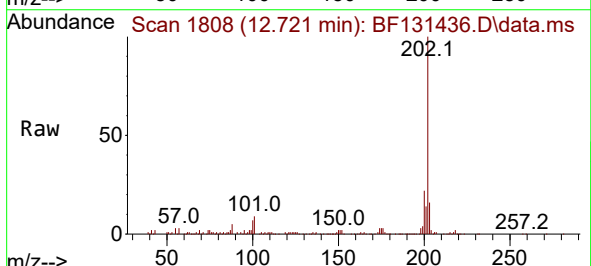
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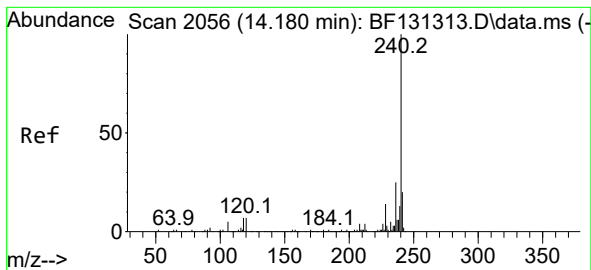
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#75
Fluoranthene
Concen: 5.832 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:202 Resp: 75766
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.6
203 16.4 0.0 37.8





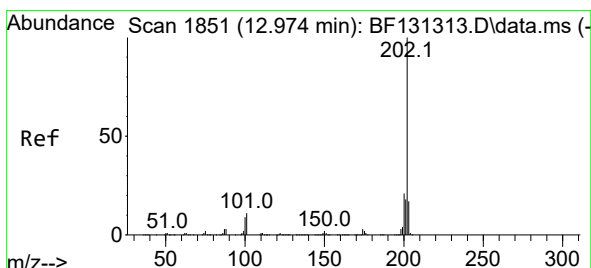
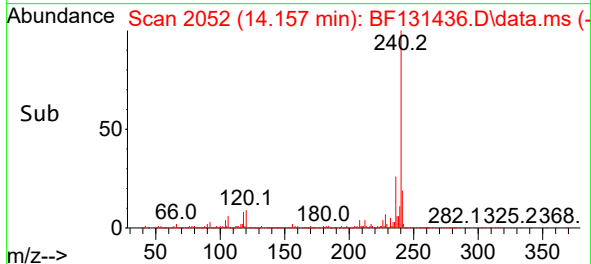
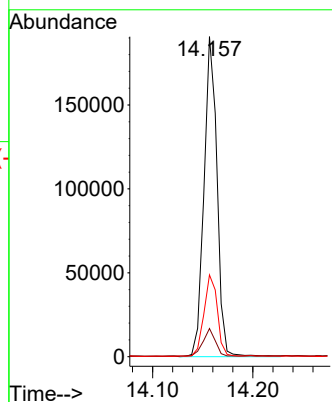
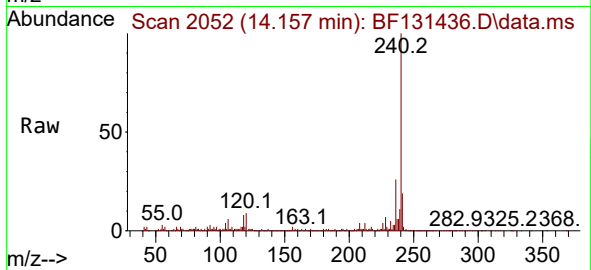
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Instrument :
BNA_F
ClientSampleId :
B-11D

Tgt Ion:240 Resp: 172790
Ion Ratio Lower Upper
240 100
120 8.8 5.8 8.8
236 25.6 20.3 30.5

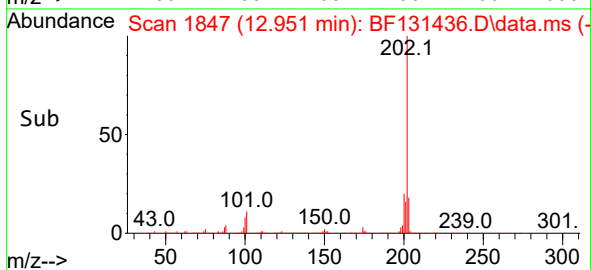
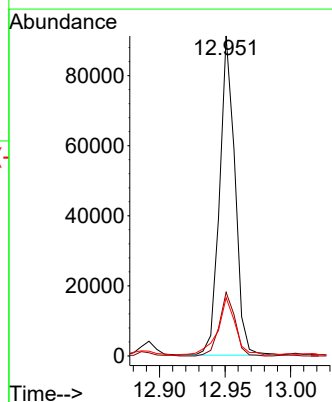
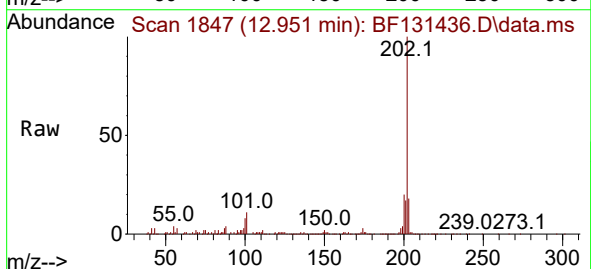
Manual Integrations
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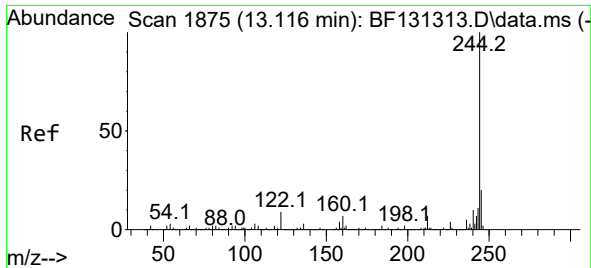
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#78
Pyrene
Concen: 4.865 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:202 Resp: 74164
Ion Ratio Lower Upper
202 100
200 19.9 16.9 25.3
203 18.2 13.9 20.9





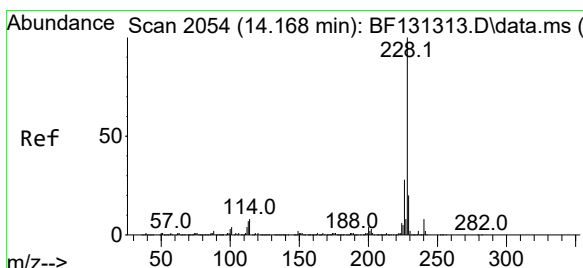
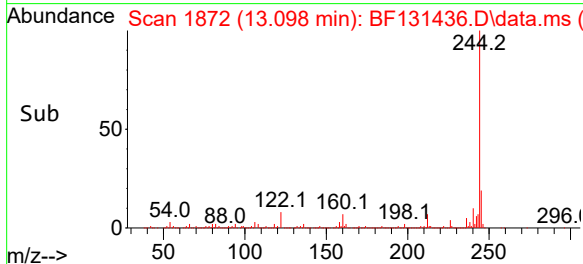
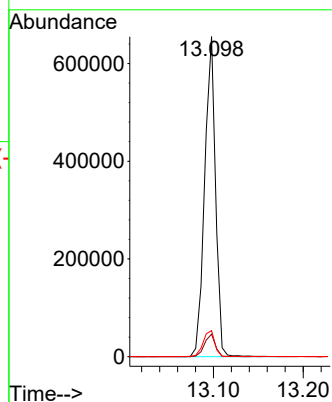
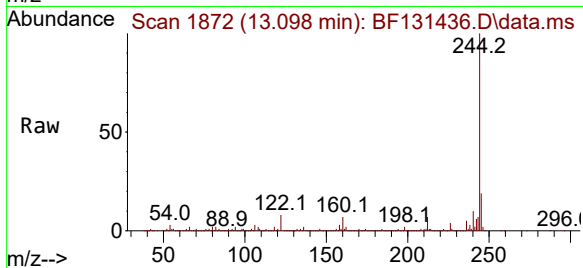
#79
 Terphenyl-d14
 Concen: 52.140 ng
 RT: 13.098 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131436.D
 Acq: 28 Nov 2022 18:48

Instrument :
 BNA_F
 ClientSampleId :
 B-11D

Tgt Ion:244 Resp: 550954
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 8.1 7.5 11.3

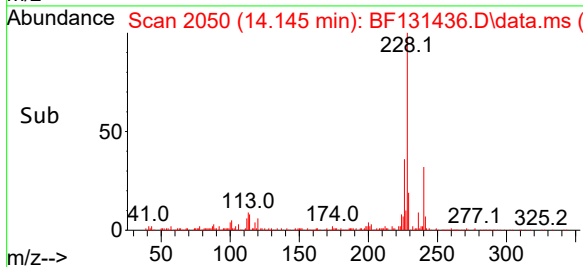
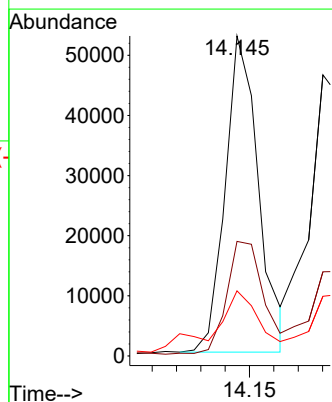
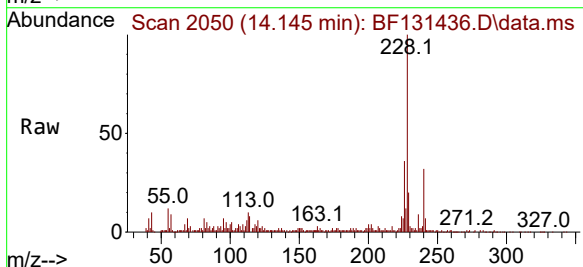
Manual Integrations
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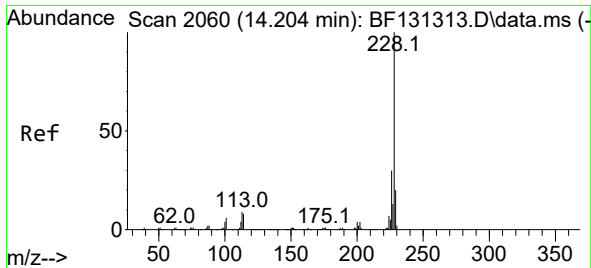
Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022



#81
 Benzo(a)anthracene
 Concen: 4.226 ng m
 RT: 14.145 min Scan# 2050
 Delta R.T. -0.012 min
 Lab File: BF131436.D
 Acq: 28 Nov 2022 18:48

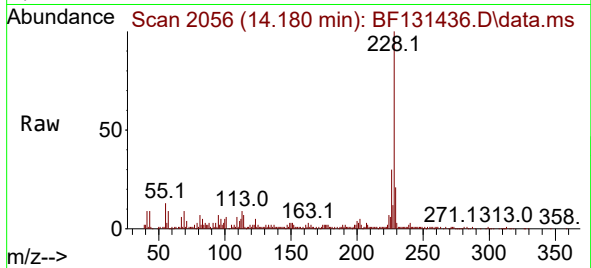
Tgt Ion:228 Resp: 50054
 Ion Ratio Lower Upper
 228 100
 226 35.8 22.0 33.0#
 229 20.4 15.7 23.5





#83
Chrysene
Concen: 4.245 ng
RT: 14.180 min Scan# 2060
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

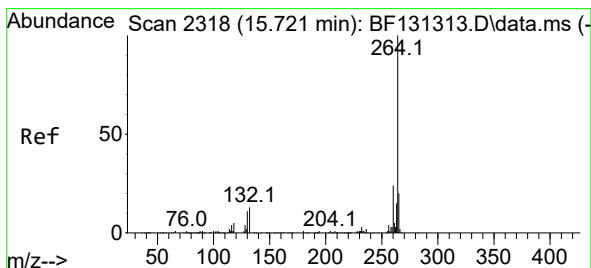
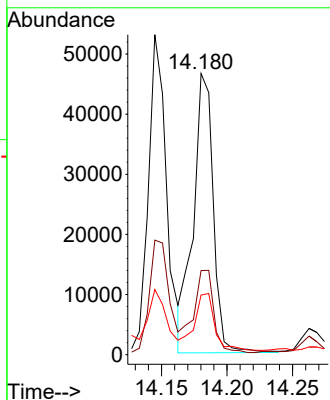
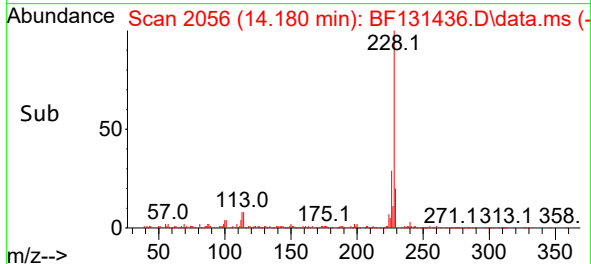
Instrument :
BNA_F
ClientSampleId :
B-11D



Tgt Ion:228 Resp: 49320
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 21.3 16.2 24.4

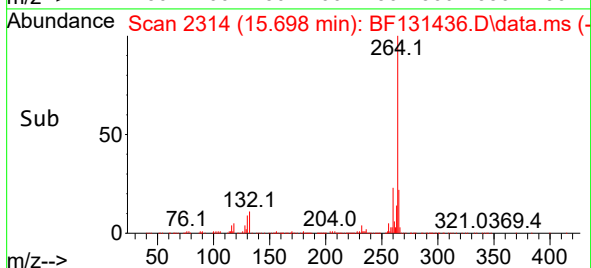
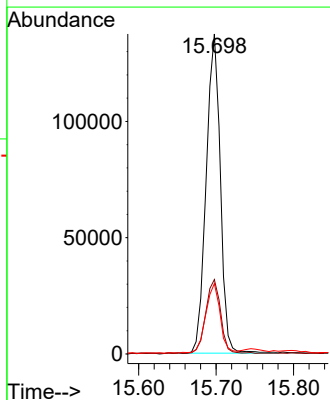
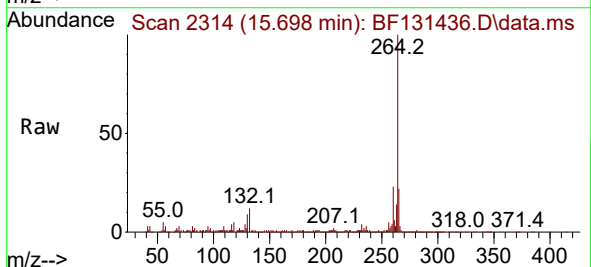
Manual Integrations
APPROVED

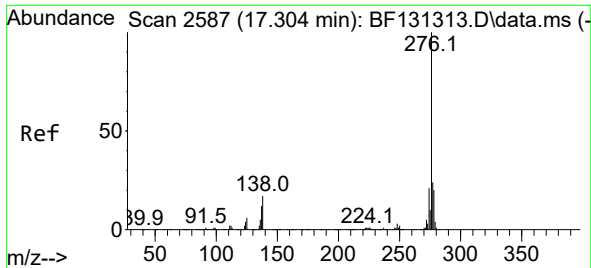
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.698 min Scan# 2314
Delta R.T. -0.000 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:264 Resp: 173867
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 22.0 16.4 24.6





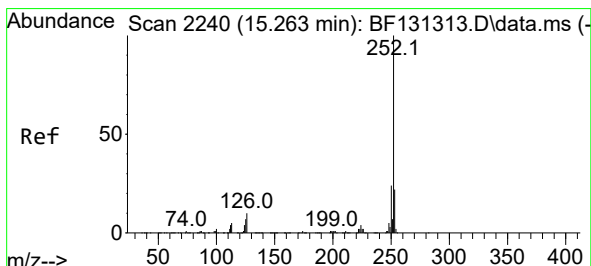
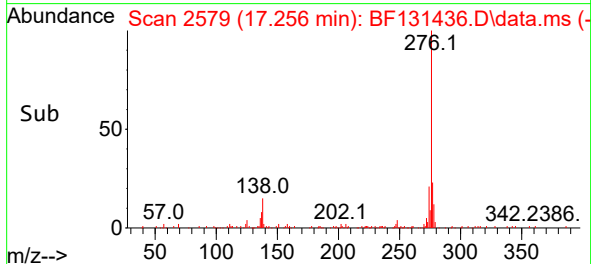
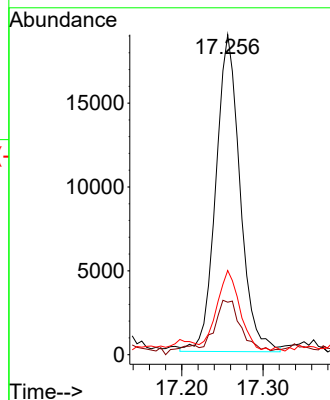
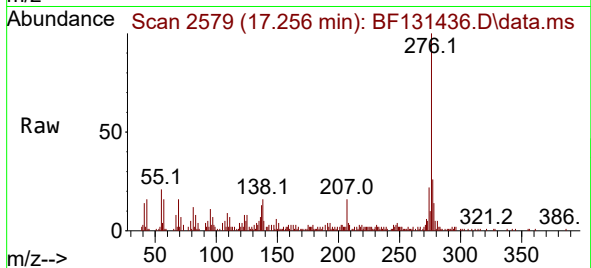
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.361 ng
RT: 17.256 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Instrument :
BNA_F
ClientSampleId :
B-11D

Tgt Ion:276 Resp: 39249
Ion Ratio Lower Upper
276 100
138 17.9 15.8 23.6
277 23.7 20.3 30.5

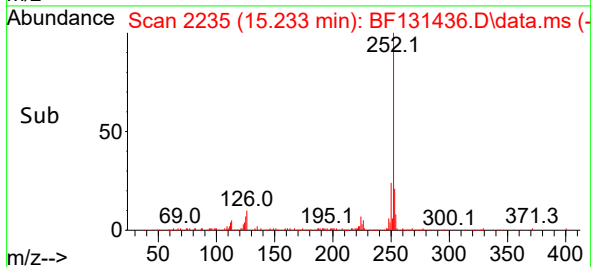
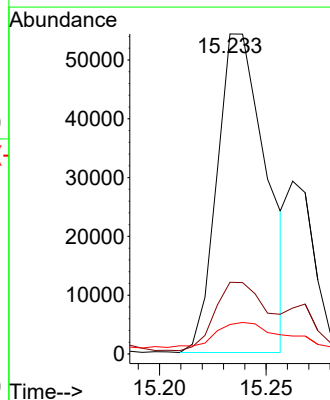
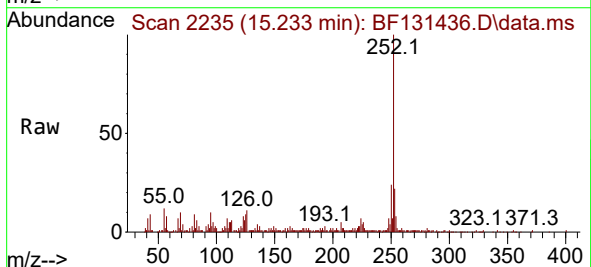
Manual Integrations
APPROVED

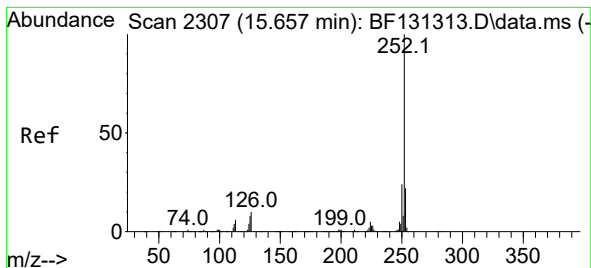
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#88
Benzo(b)fluoranthene
Concen: 7.509 ng m
RT: 15.233 min Scan# 2235
Delta R.T. -0.012 min
Lab File: BF131436.D
Acq: 28 Nov 2022 18:48

Tgt Ion:252 Resp: 86729
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 9.2 5.8 8.6#





#90

Benzo(a)pyrene

Concen: 6.365 ng

RT: 15.627 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Instrument :

BNA_F

ClientSampleId :

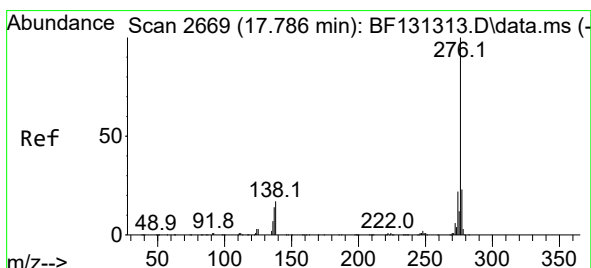
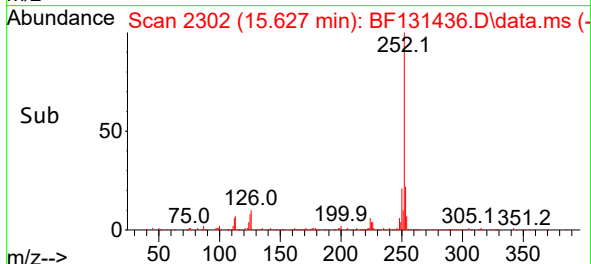
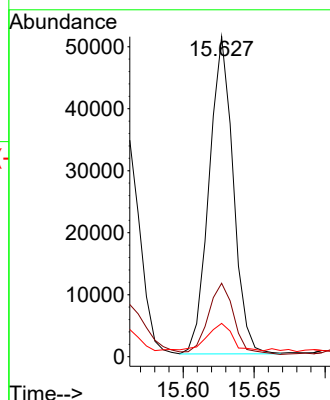
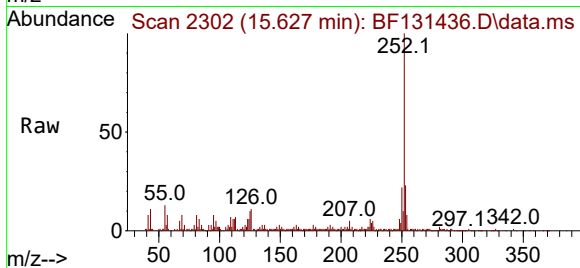
B-11D

Tgt Ion:252 Resp: 60324
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.5 26.3
 125 10.4 6.1 9.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022



#92

Benzo(g,h,i)perylene

Concen: 3.697 ng

RT: 17.733 min Scan# 2660

Delta R.T. -0.024 min

Lab File: BF131436.D

Acq: 28 Nov 2022 18:48

Tgt Ion:276 Resp: 35578
 Ion Ratio Lower Upper
 276 100
 277 26.2 18.3 27.5
 138 17.4 13.8 20.6

