

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131441.D
 Acq On : 28 Nov 2022 21:32
 Operator : CG\JU
 Sample : N5752-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7D

Manual Integrations
 APPROVED

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

Quant Time: Nov 29 00:59:31 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	120991	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	413445	20.000	ng	# 0.00
39) Acenaphthene-d10	10.004	164	203646	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	319505	20.000	ng	0.00
76) Chrysene-d12	14.162	240	282226	20.000	ng	# 0.00
86) Perylene-d12	15.704	264	263800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	682718	107.393	ng	0.00
7) Phenol-d6	6.569	99	849808	104.772	ng	0.00
23) Nitrobenzene-d5	7.516	82	561708	68.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	162433	94.808	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	913667	65.271	ng	0.00
79) Terphenyl-d14	13.098	244	793064	45.951	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.527	178	367559	21.287	ng	99
72) Anthracene	11.580	178	85013	5.010	ng	98
75) Fluoranthene	12.727	202	500173	27.490	ng	99
78) Pyrene	12.957	202	515775	20.713	ng	99
81) Benzo(a)anthracene	14.151	228	281352	14.544	ng	97
83) Chrysene	14.186	228	262771	13.845	ng	97
87) Indeno(1,2,3-cd)pyrene	17.268	276	90549	5.111	ng	98
88) Benzo(b)fluoranthene	15.245	252	265741m	15.164	ng	
89) Benzo(k)fluoranthene	15.268	252	87073m	4.835	ng	
90) Benzo(a)pyrene	15.633	252	206182	14.338	ng	# 95
92) Benzo(g,h,i)perylene	17.745	276	86239	5.907	ng	95

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

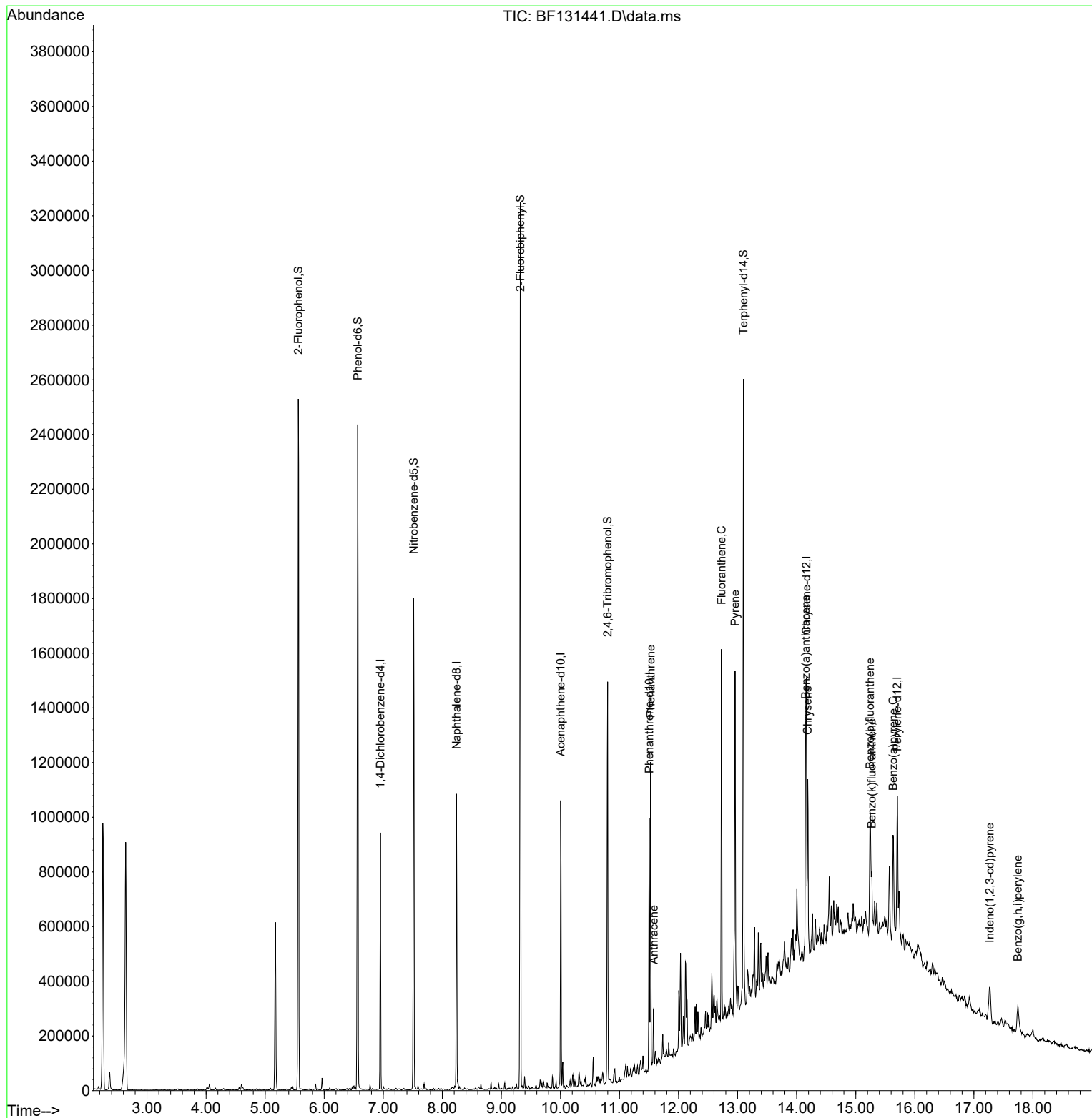
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
Data File : BF131441.D
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Sample : N5752-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

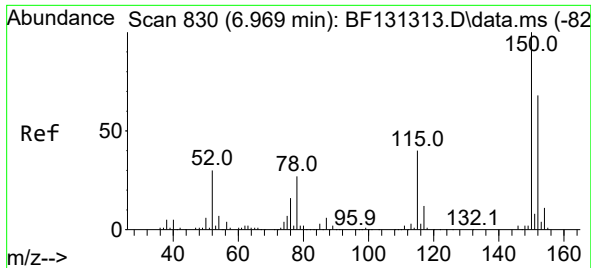
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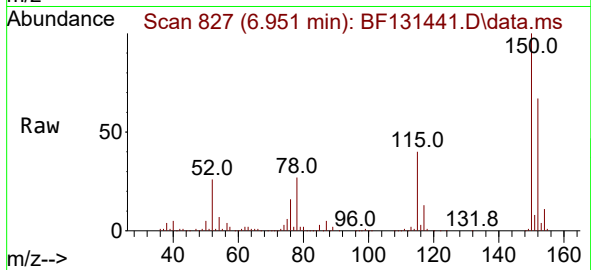
Quant Time: Nov 29 00:59:31 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

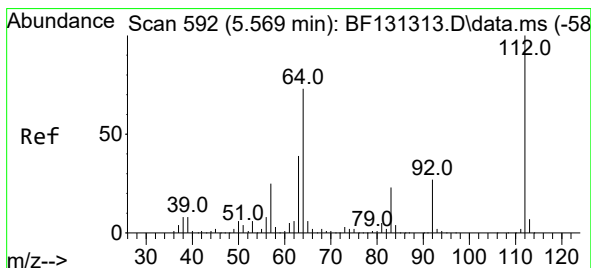
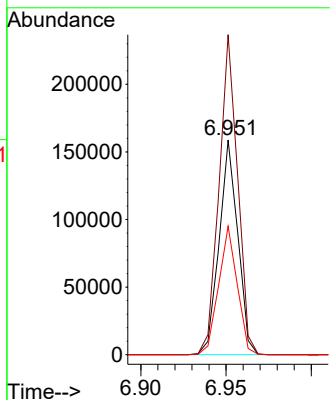
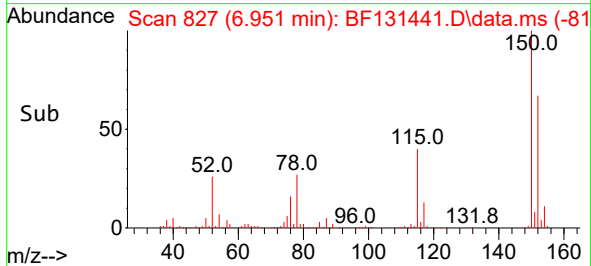
Instrument :
BNA_F
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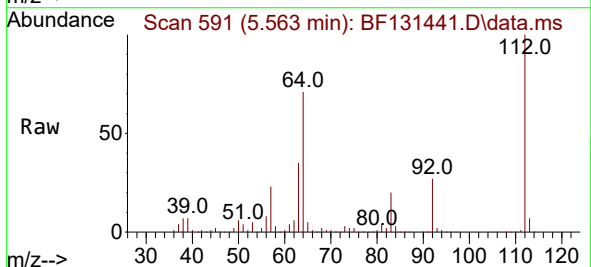
Tgt Ion:152 Resp: 12099
Ion Ratio Lower Upper
152 100
150 149.0 117.8 176.8
115 59.8 47.1 70.7

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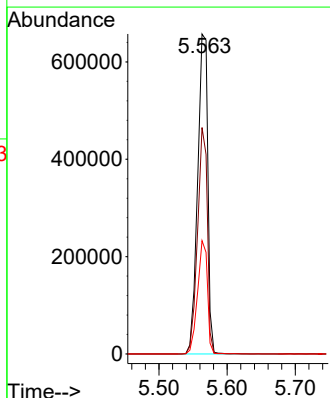
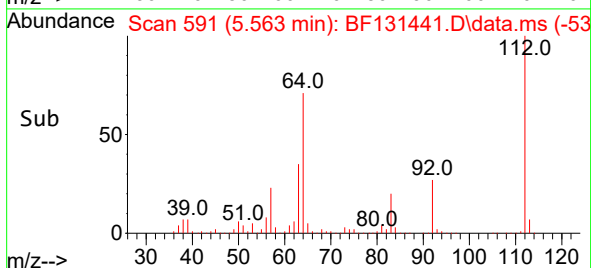
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

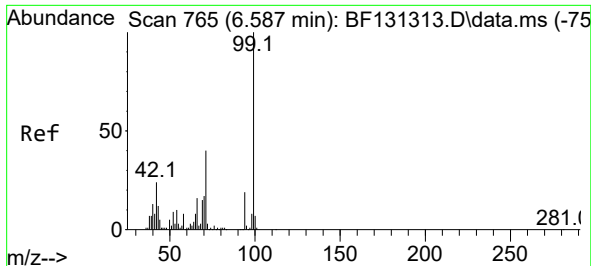


#5
2-Fluorophenol
Concen: 107.393 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32



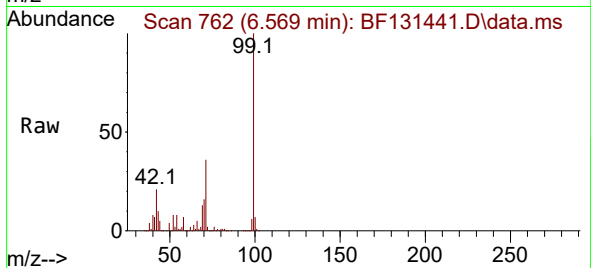
Tgt Ion:112 Resp: 682718
Ion Ratio Lower Upper
112 100
64 70.7 58.6 88.0
63 35.4 31.4 47.0





#7
Phenol-d6
Concen: 104.772 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

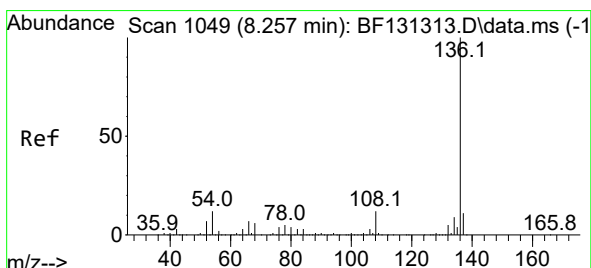
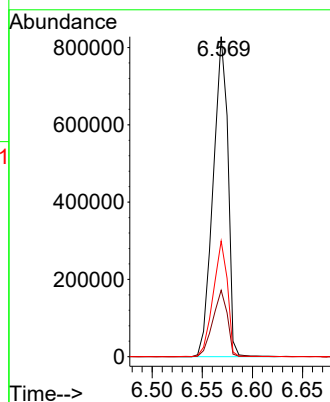
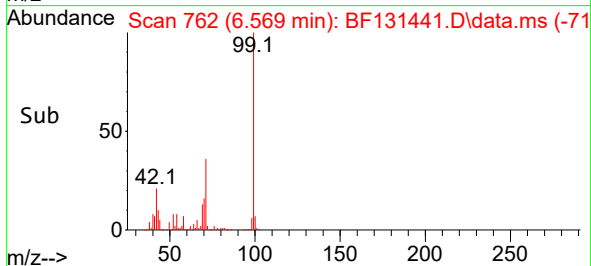
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 849808
Ion Ratio Lower Upper
99 100
42 20.7 19.4 29.2
71 36.1 32.3 48.5

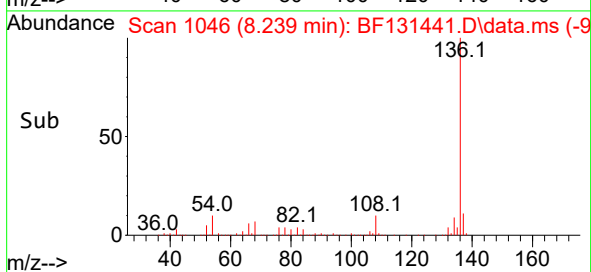
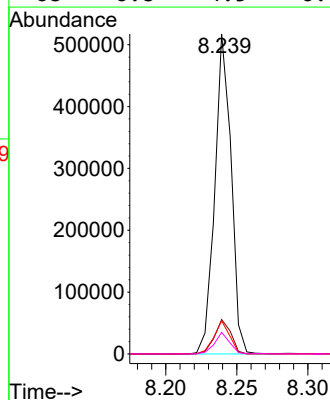
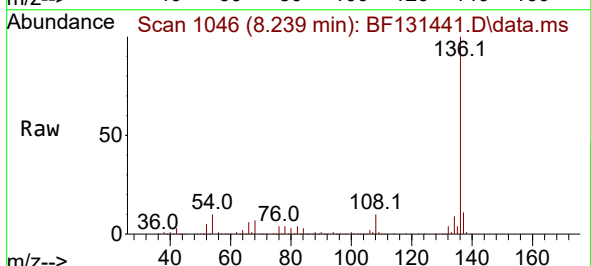
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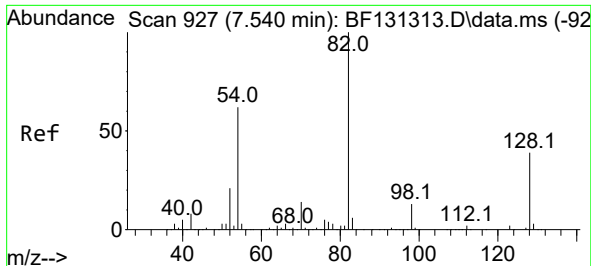
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

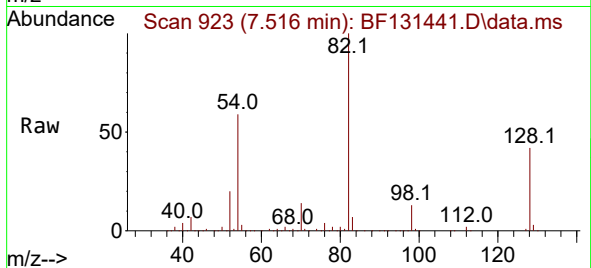
Tgt Ion:136 Resp: 413445
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.4 9.4 14.0
68 6.8 4.5 6.7#





#23
Nitrobenzene-d5
Concen: 68.485 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

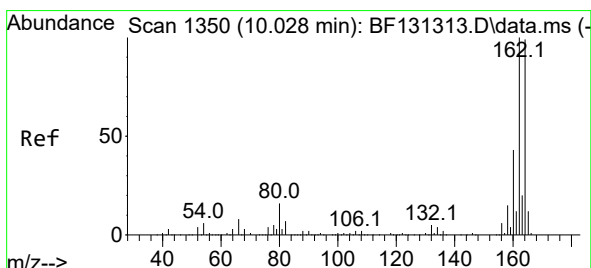
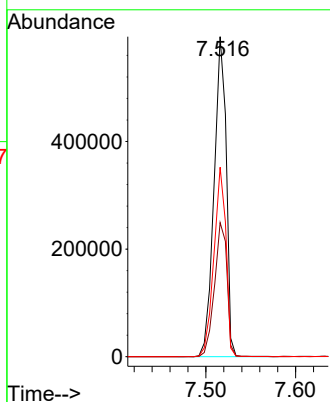
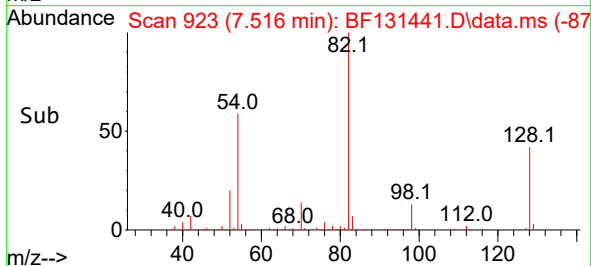
Instrument :
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ClientSampleId :
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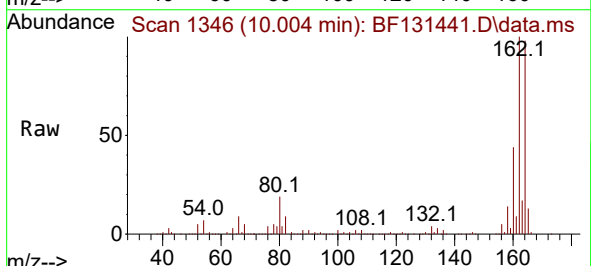
Tgt Ion: 82 Resp: 561708
Ion Ratio Lower Upper
82 100
128 41.9 31.4 47.0
54 59.2 49.8 74.6

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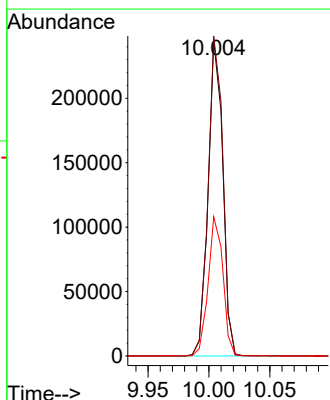
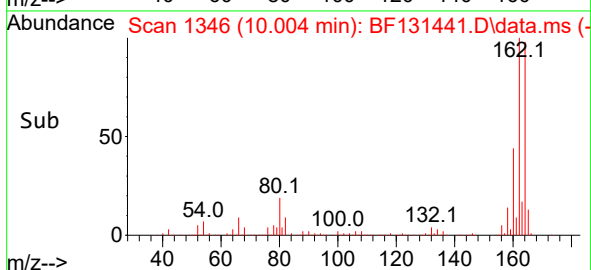
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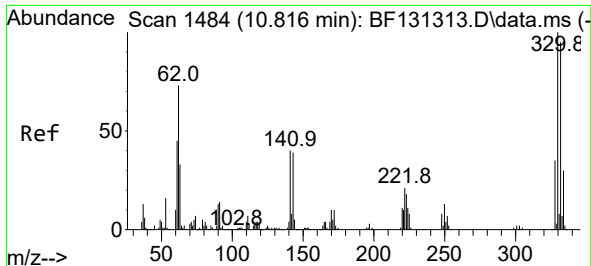


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32



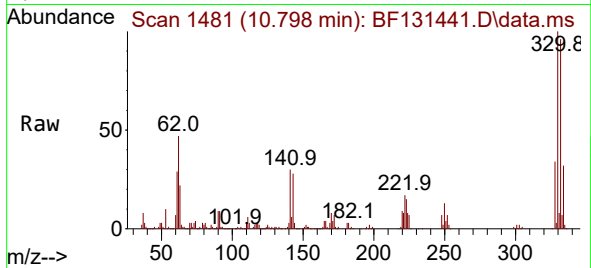
Tgt Ion:164 Resp: 203646
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 44.2 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 94.808 ng
RT: 10.798 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

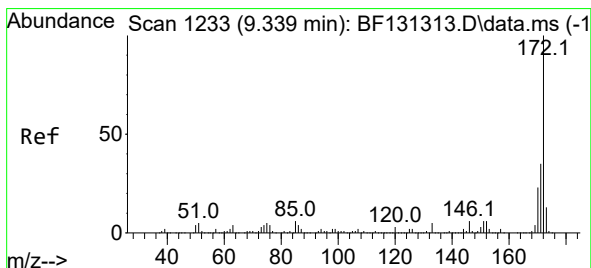
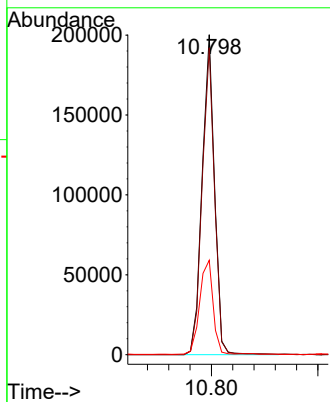
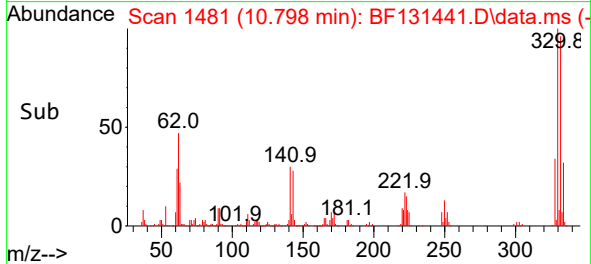
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 330 Resp: 16243
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 31.8 29.3 43.9

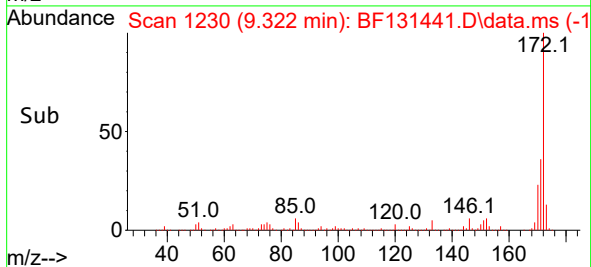
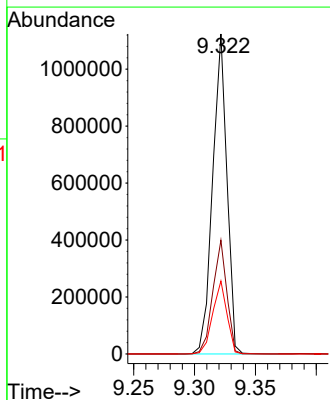
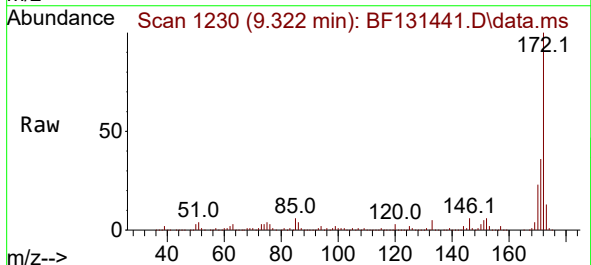
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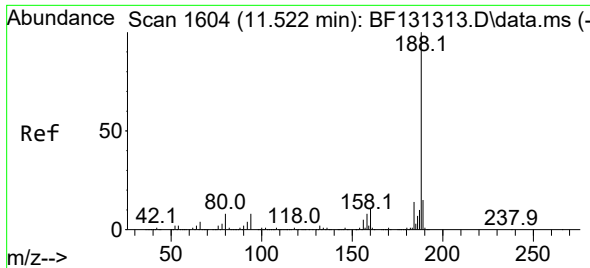
Reviewed By : Christian Giraldo 11/29/2022
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#45
2-Fluorobiphenyl
Concen: 65.271 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion: 172 Resp: 913667
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 22.8 18.7 28.1





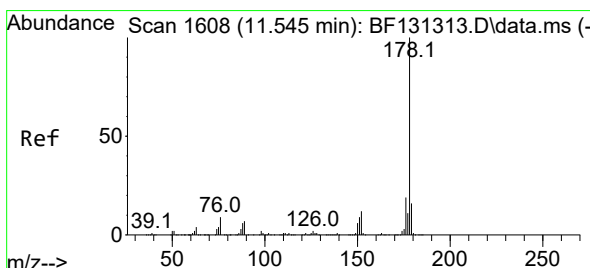
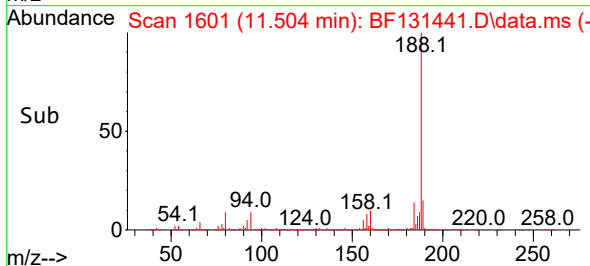
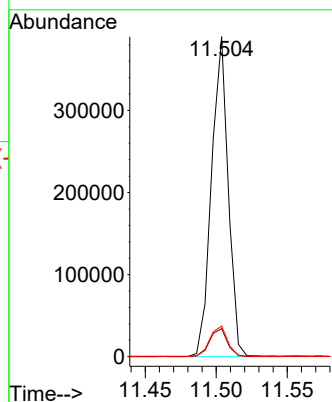
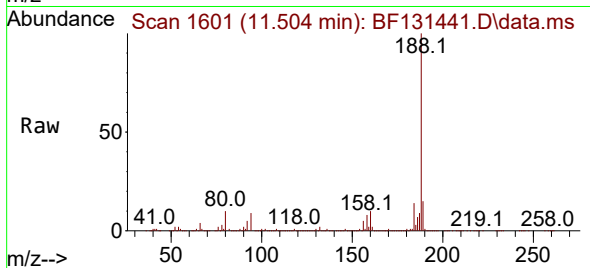
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Instrument :
BNA_F
ClientSampleId :
B-7D

Tgt Ion:188 Resp: 31950
Ion Ratio Lower Upper
188 100
94 8.8 6.3 9.5
80 9.6 6.8 10.2

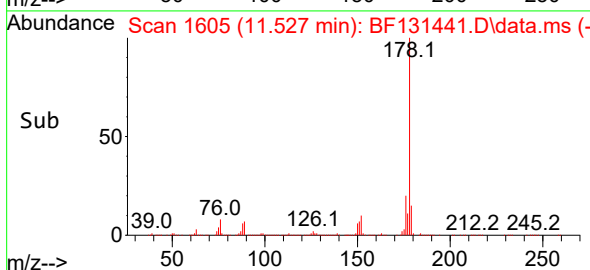
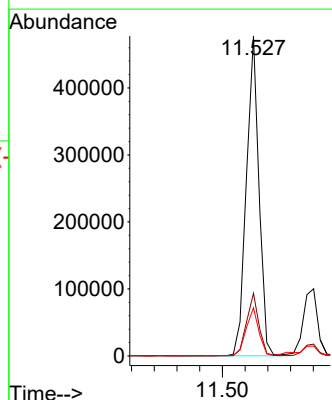
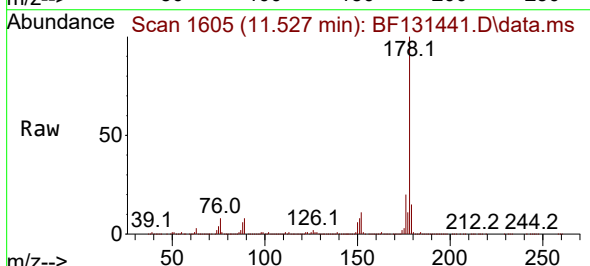
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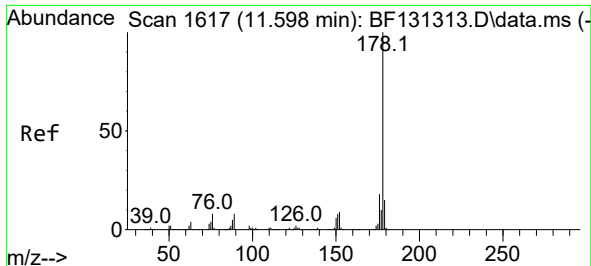
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#71
Phenanthrene
Concen: 21.287 ng
RT: 11.527 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

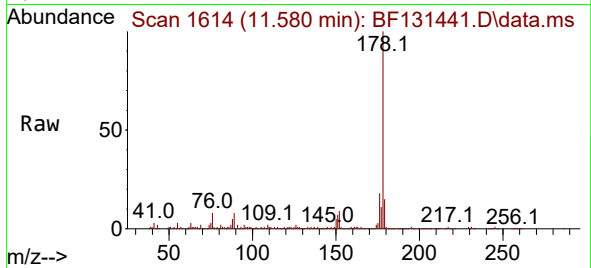
Tgt Ion:178 Resp: 367559
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 5.010 ng
 RT: 11.580 min Scan# 10
 Delta R.T. -0.006 min
 Lab File: BF131441.D
 Acq: 28 Nov 2022 21:32

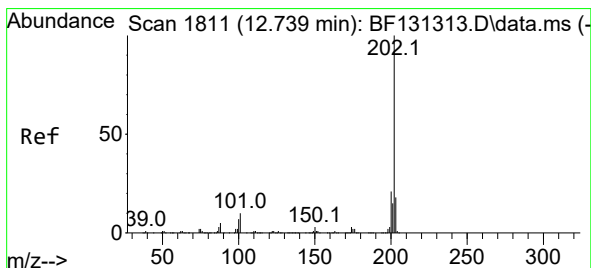
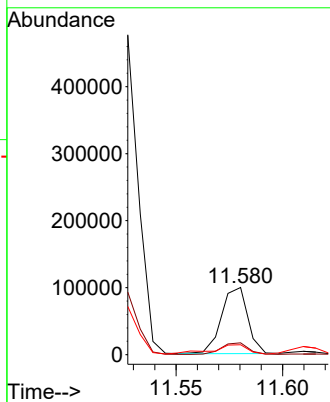
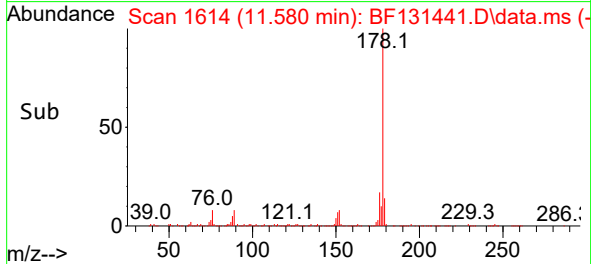
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Tgt Ion:178 Resp: 8501
 Ion Ratio Lower Upper
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 176 17.6 14.7 22.1
 179 14.7 12.2 18.4

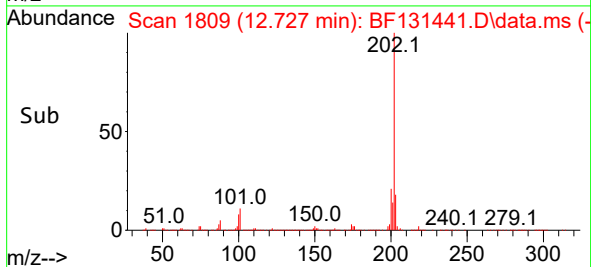
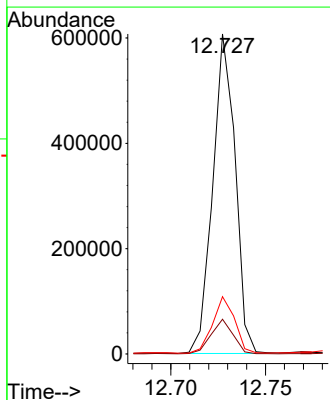
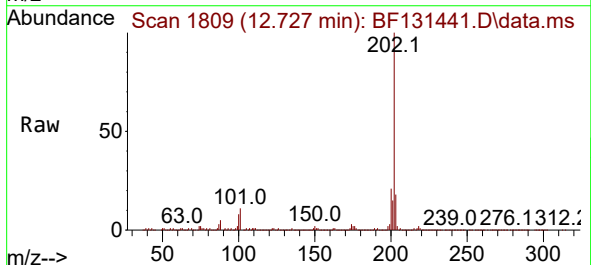
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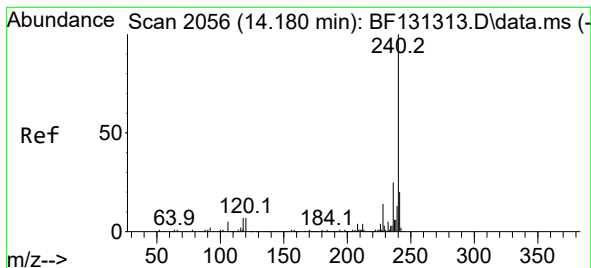
Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022



#75
 Fluoranthene
 Concen: 27.490 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. -0.000 min
 Lab File: BF131441.D
 Acq: 28 Nov 2022 21:32

Tgt Ion:202 Resp: 500173
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.162 min Scan# 2053

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

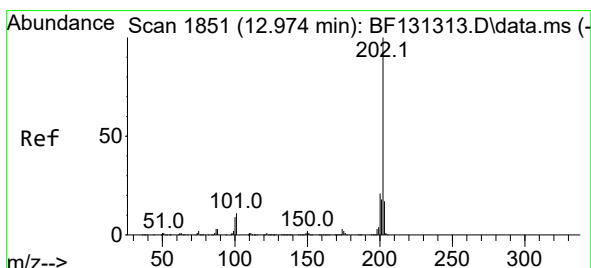
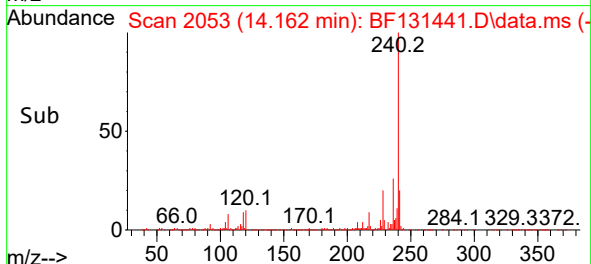
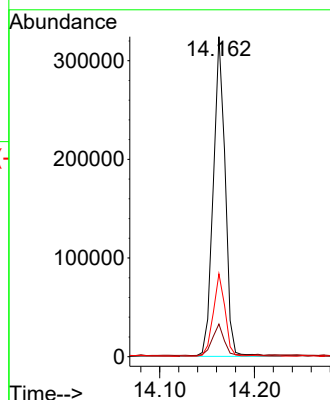
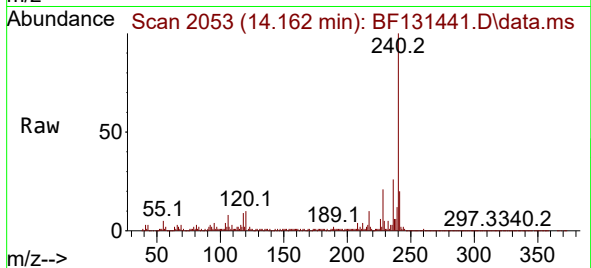
B-7D

Tgt Ion:240 Resp: 282220
 Ion Ratio Lower Upper
 240 100
 120 10.2 5.8 8.8
 236 25.9 20.3 30.5

Manual Integrations

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#78

Pyrene

Concen: 20.713 ng

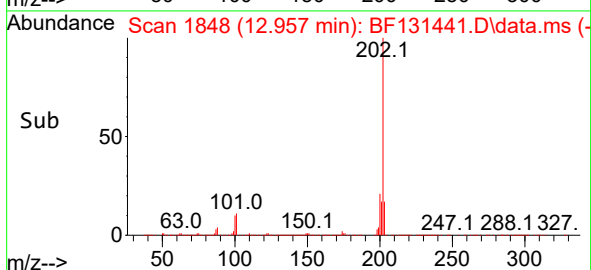
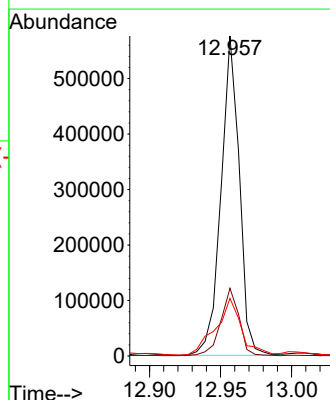
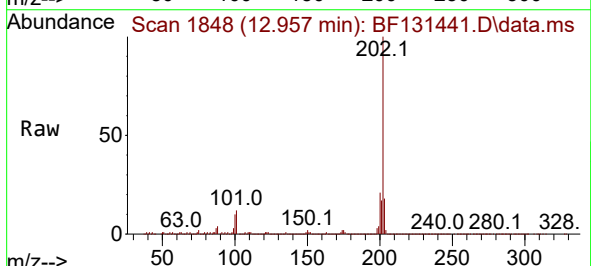
RT: 12.957 min Scan# 1848

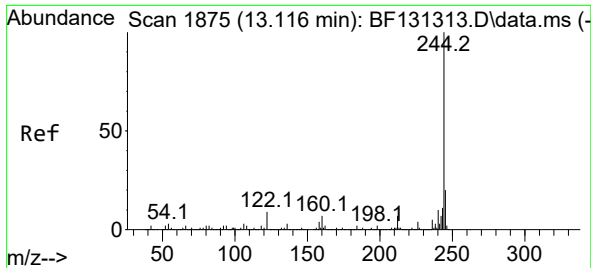
Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Tgt Ion:202 Resp: 515775
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 18.0 13.9 20.9





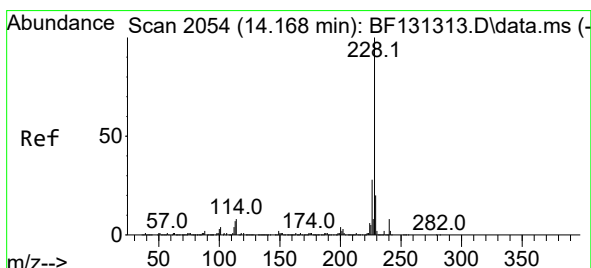
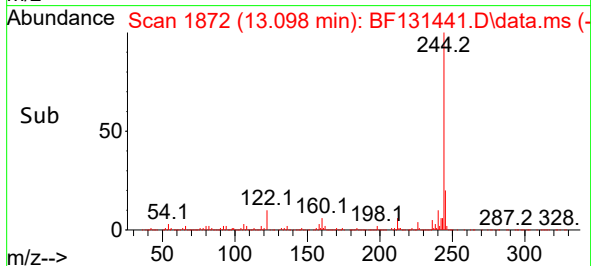
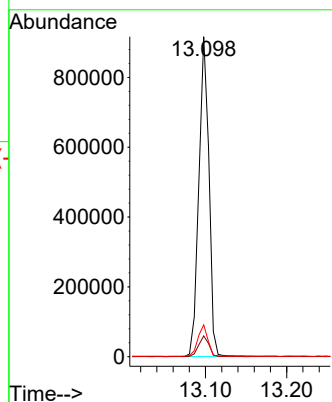
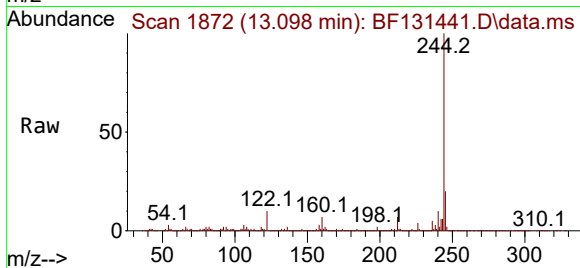
#79
 Terphenyl-d14
 Concen: 45.951 ng
 RT: 13.098 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: BF131441.D
 Acq: 28 Nov 2022 21:32

Instrument :
 BNA_F
 ClientSampleId :
 B-7D

Tgt Ion:244 Resp: 793064
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 10.0 7.5 11.3

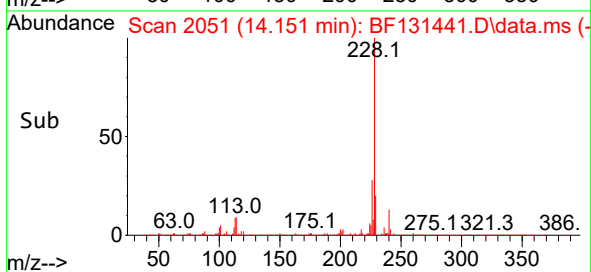
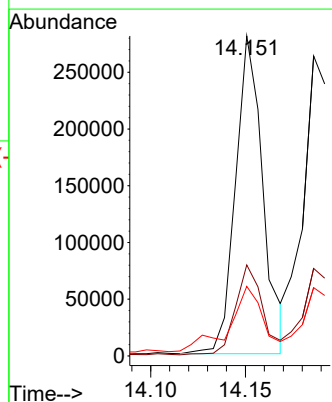
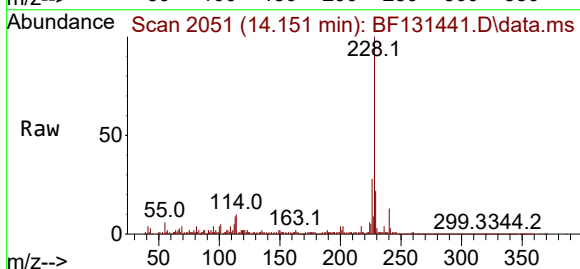
Manual Integrations
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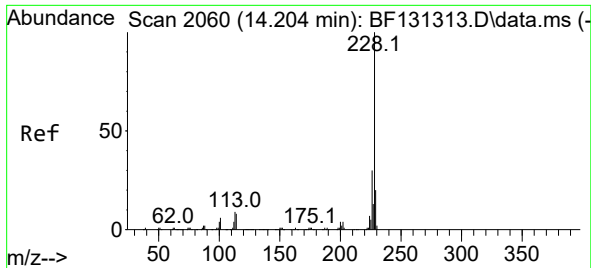
Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022



#81
 Benzo(a)anthracene
 Concen: 14.544 ng
 RT: 14.151 min Scan# 2051
 Delta R.T. -0.006 min
 Lab File: BF131441.D
 Acq: 28 Nov 2022 21:32

Tgt Ion:228 Resp: 281352
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.0 33.0
 229 21.7 15.7 23.5





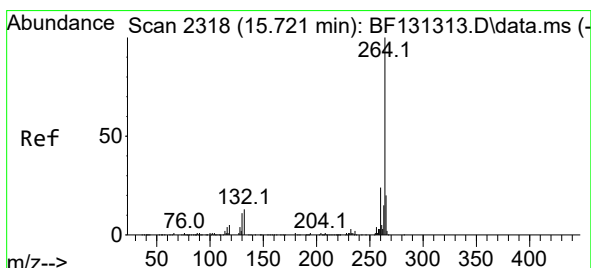
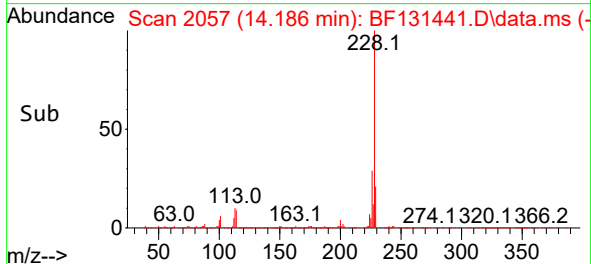
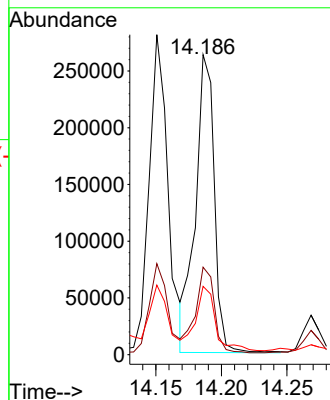
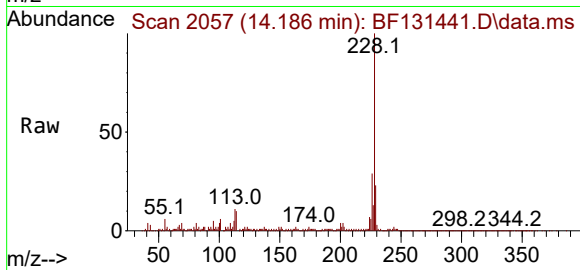
#83
Chrysene
Concen: 13.845 ng
RT: 14.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Instrument :
BNA_F
ClientSampleId :
B-7D

Tgt Ion:228 Resp: 26277
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 22.8 16.2 24.4

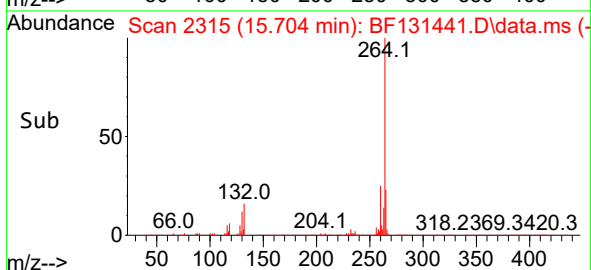
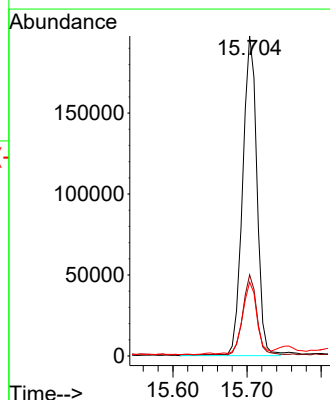
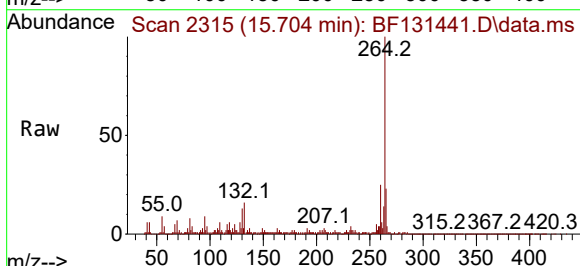
Manual Integrations
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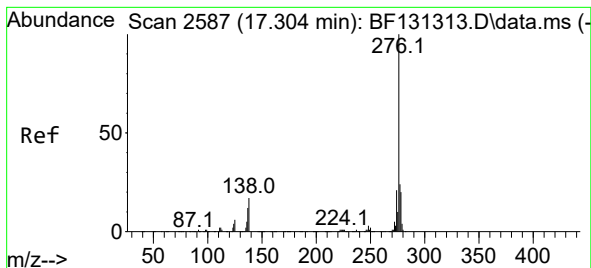
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.704 min Scan# 2315
Delta R.T. 0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion:264 Resp: 263800
Ion Ratio Lower Upper
264 100
260 25.3 19.0 28.4
265 23.1 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.111 ng

RT: 17.268 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

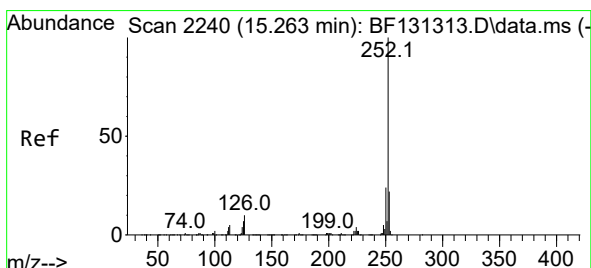
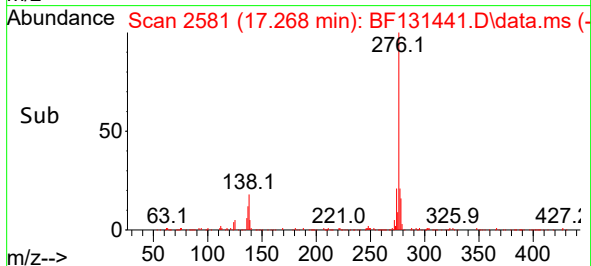
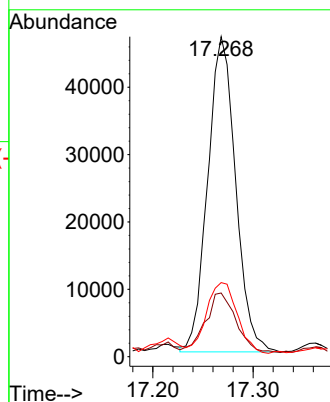
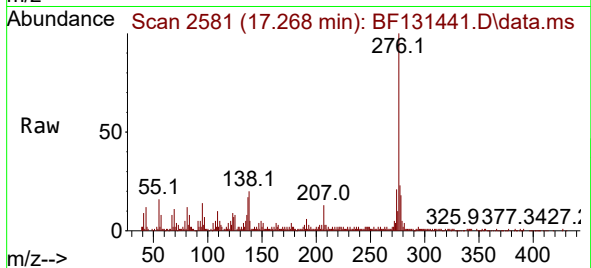
B-7D

Tgt Ion:	276	Resp:	90549
Ion Ratio	Lower	Upper	
276	100		
138	20.8	15.8	23.6
277	24.8	20.3	30.5

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 15.164 ng m

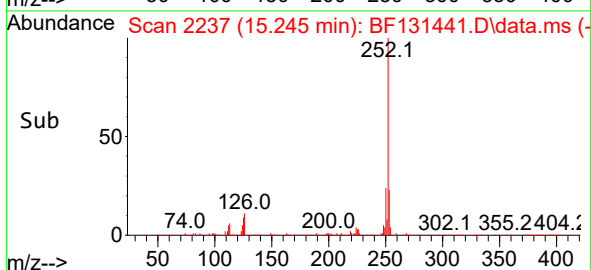
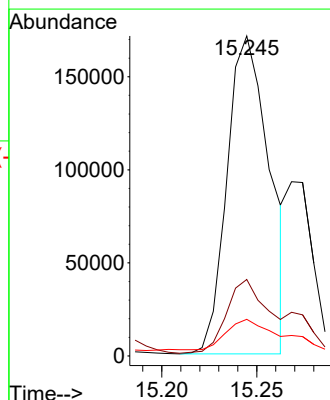
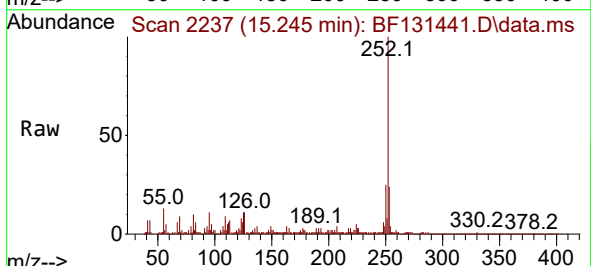
RT: 15.245 min Scan# 2237

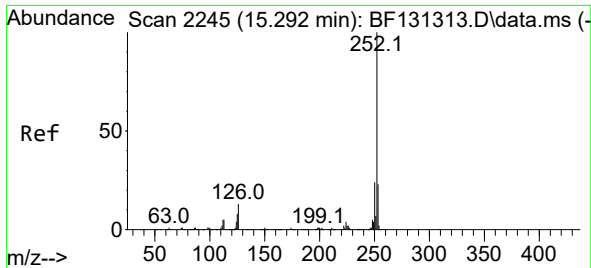
Delta R.T. -0.000 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Tgt Ion:	252	Resp:	265741
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.5	26.3
125	11.5	5.8	8.6





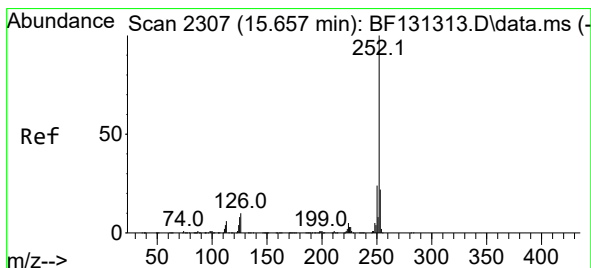
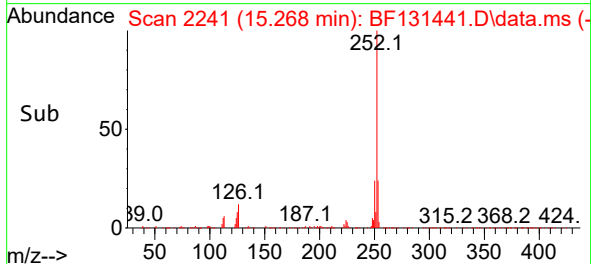
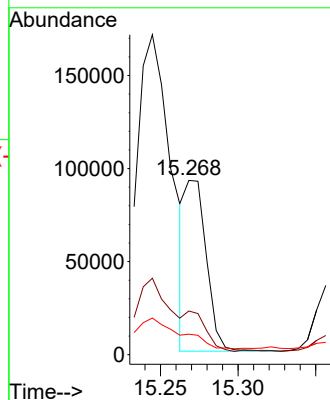
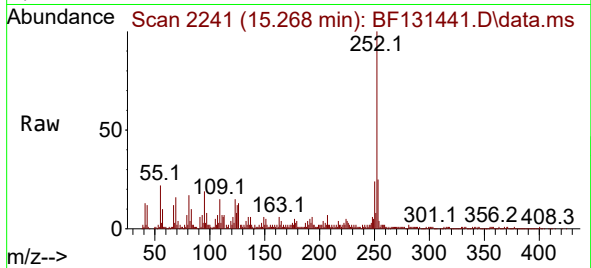
#89
Benzo(k)fluoranthene
Concen: 4.835 ng m
RT: 15.268 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Instrument :
BNA_F
ClientSampleId :
B-7D

Tgt Ion:252 Resp: 8707
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 11.7 6.6 10.0

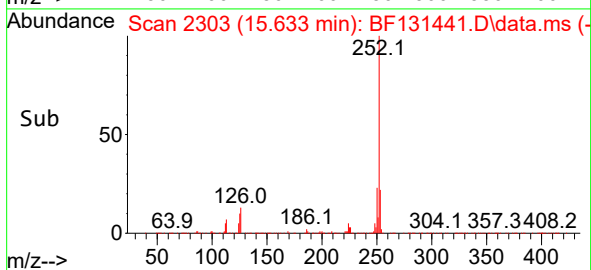
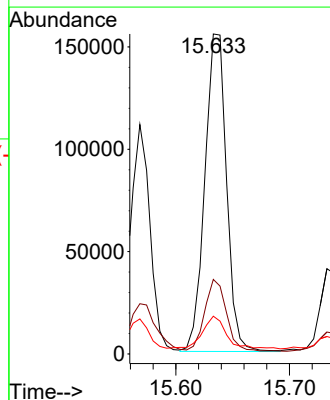
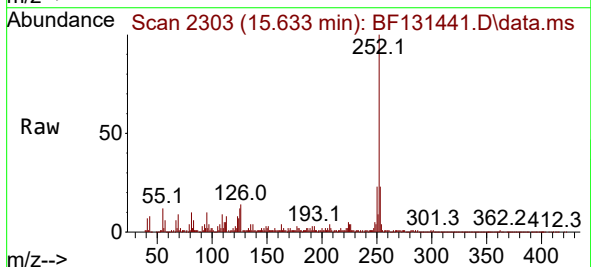
Manual Integrations
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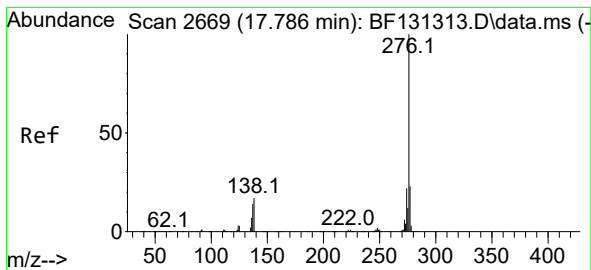
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#90
Benzo(a)pyrene
Concen: 14.338 ng
RT: 15.633 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

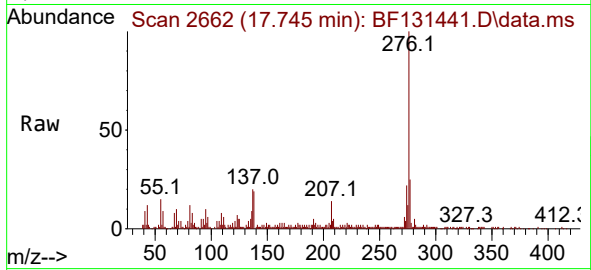
Tgt Ion:252 Resp: 206182
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.8 6.1 9.1





#92
Benzo(g,h,i)perylene
Concen: 5.907 ng
RT: 17.745 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Instrument :
BNA_F
ClientSampleId :
B-7D



Tgt Ion: 276 Resp: 86239
Ion Ratio Lower Upper
276 100
277 25.5 18.3 27.5
138 19.0 13.8 20.6

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

