

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101022\
 Data File : BF130604.D
 Acq On : 10 Oct 2022 15:49
 Operator : CG\JU
 Sample : N5046-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/14/2022
 Supervised By : Jagrut Upadhyay 10/14/2022

Quant Time: Oct 11 03:25:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 10 16:07:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.604	152	94569	20.000	ng	0.00
21) Naphthalene-d8	7.887	136	351125	20.000	ng	0.00
39) Acenaphthene-d10	9.634	164	170744	20.000	ng	0.00
64) Phenanthrene-d10	11.116	188	240424	20.000	ng	0.00
76) Chrysene-d12	13.745	240	195293	20.000	ng	0.00
86) Perylene-d12	15.127	264	253979	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.210	112	650272	119.265	ng	0.00
7) Phenol-d6	6.251	99	795960	116.673	ng	0.00
23) Nitrobenzene-d5	7.175	82	500375	72.804	ng	0.00
42) 2,4,6-Tribromophenol	10.422	330	166969	102.056	ng	0.00
45) 2-Fluorobiphenyl	8.963	172	869817	74.182	ng	0.00
79) Terphenyl-d14	12.698	244	702692	59.603	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.139	178	84975	6.295	ng	98
75) Fluoranthene	12.322	202	69409	5.321	ng	98
78) Pyrene	12.551	202	96523	5.650	ng	99
81) Benzo(a)anthracene	13.733	228	43499m	3.348	ng	
83) Chrysene	13.769	228	47184m	3.825	ng	
88) Benzo(b)fluoranthene	14.745	252	68546m	4.135	ng	
90) Benzo(a)pyrene	15.068	252	52517	3.999	ng	# 91

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

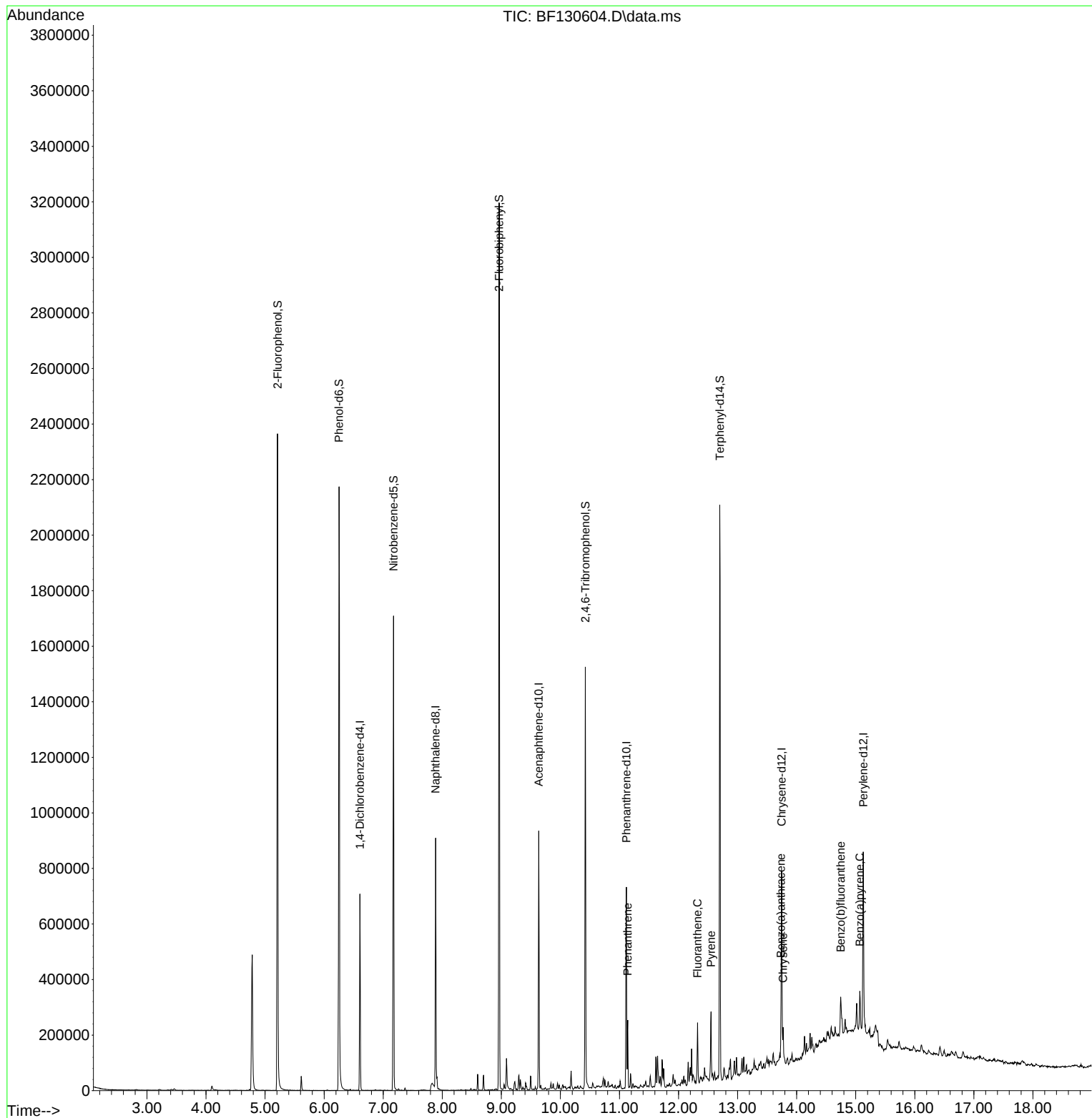
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101022\
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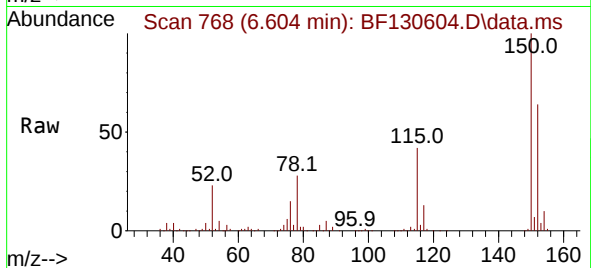
Reviewed By : Christian Giraldo 10/14/2022
Supervised By : Jagrut Upadhyay 10/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.604 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

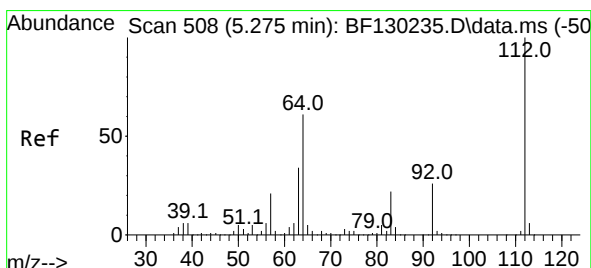
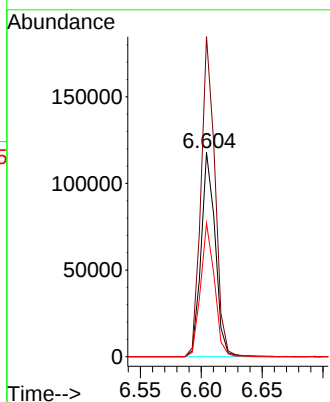
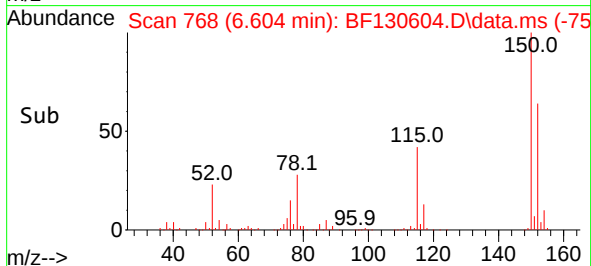
Instrument :
BNA_F
ClientSampleId :
R-1



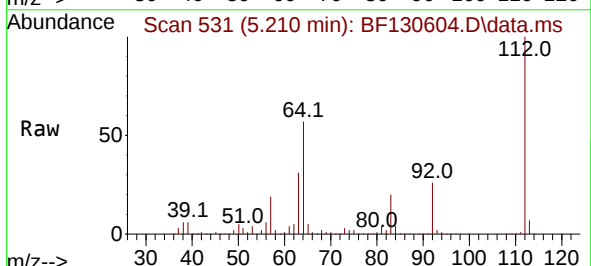
Tgt Ion:152 Resp: 94569
Ion Ratio Lower Upper
152 100
150 156.8 122.8 184.2
115 65.4 53.8 80.8

Manual Integrations
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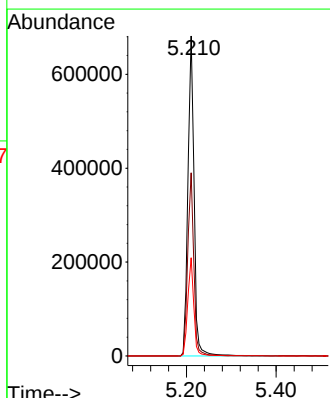
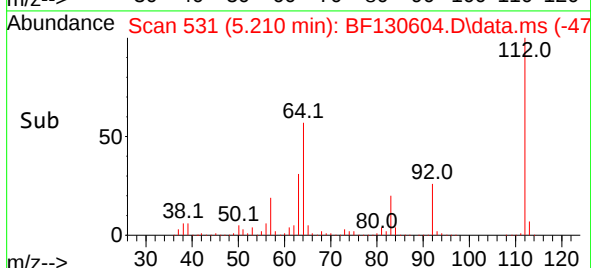
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#5
2-Fluorophenol
Concen: 119.265 ng
RT: 5.210 min Scan# 531
Delta R.T. 0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49



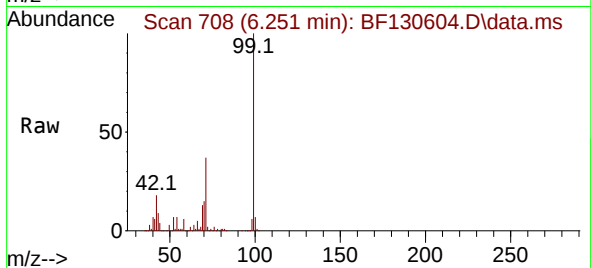
Tgt Ion:112 Resp: 650272
Ion Ratio Lower Upper
112 100
64 57.3 51.4 77.0
63 30.7 28.8 43.2





#7
Phenol-d6
Concen: 116.673 ng
RT: 6.251 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

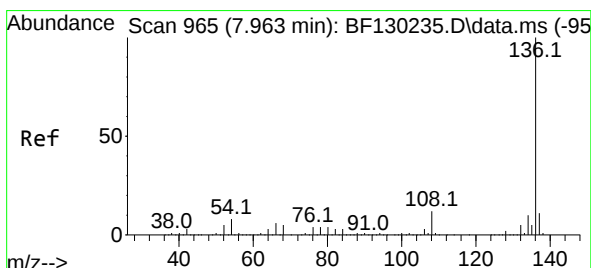
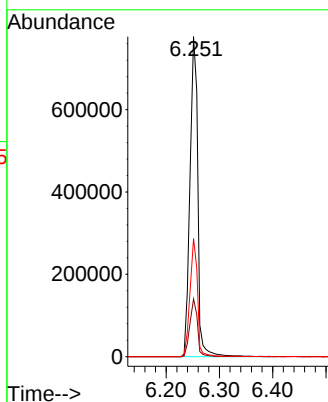
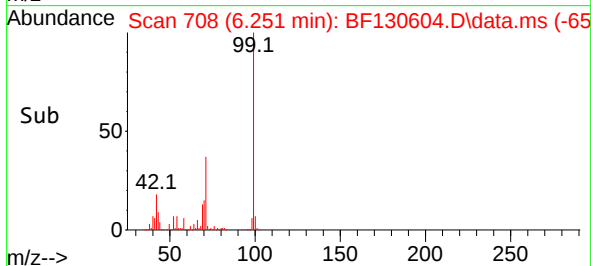
Instrument :
BNA_F
ClientSampleId :
R-1



Tgt Ion: 99 Resp: 795960
Ion Ratio Lower Upper
99 100
42 18.1 17.0 25.6
71 36.9 32.3 48.5

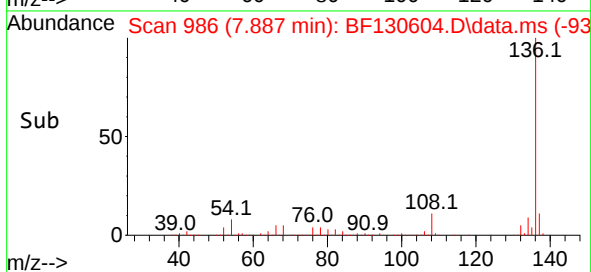
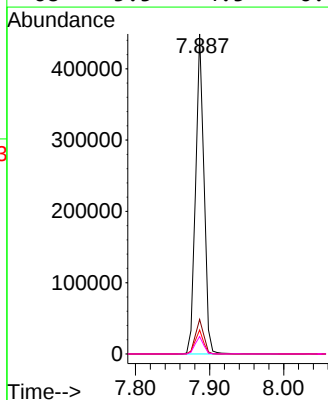
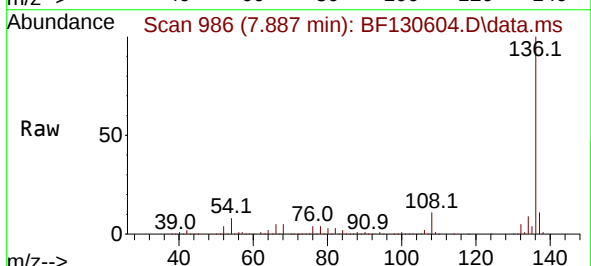
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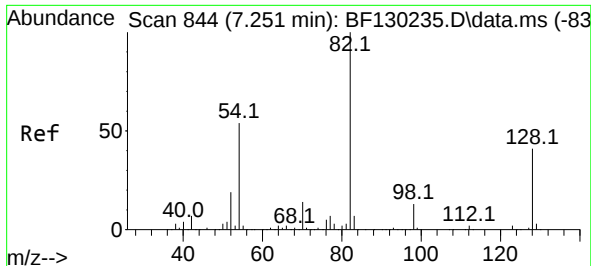
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.887 min Scan# 986
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

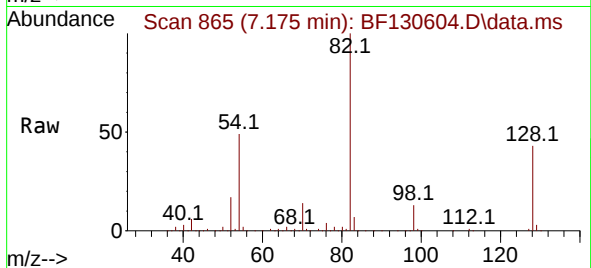
Tgt Ion:136 Resp: 351125
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 7.5 7.1 10.7
68 5.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 72.804 ng
RT: 7.175 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

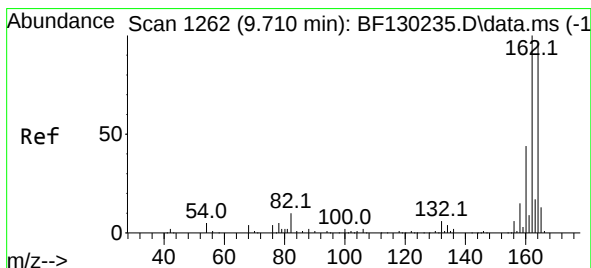
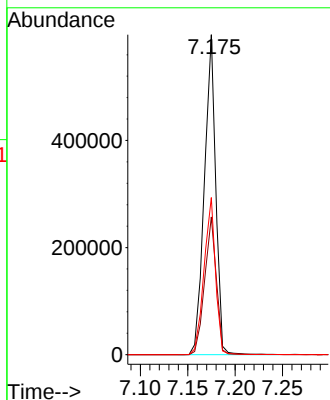
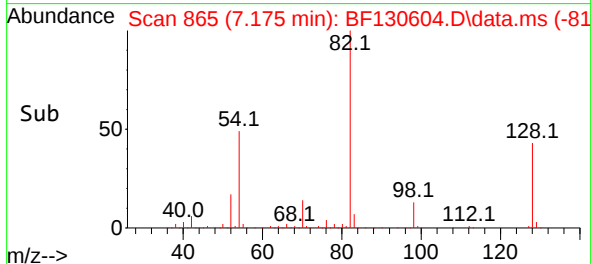
Instrument :
BNA_F
ClientSampleId :
R-1



Tgt Ion: 82 Resp: 500375
Ion Ratio Lower Upper
82 100
128 43.1 32.6 49.0
54 49.1 43.8 65.6

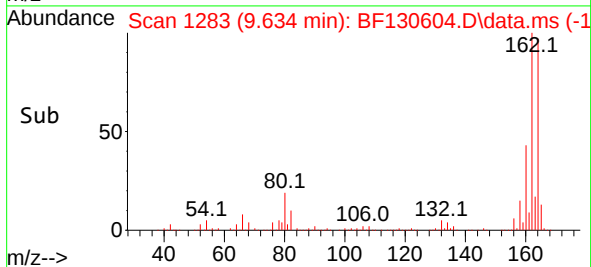
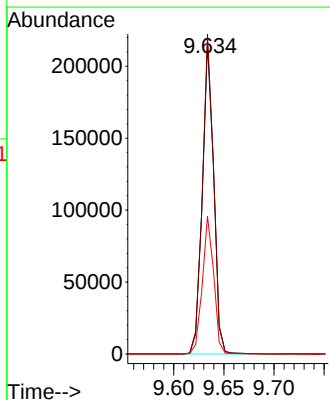
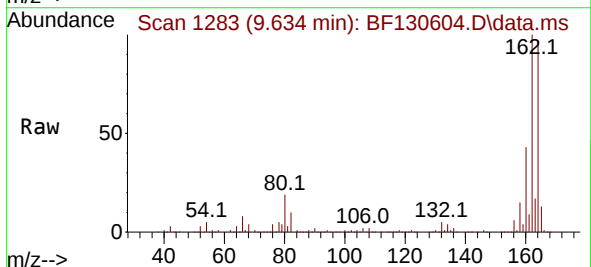
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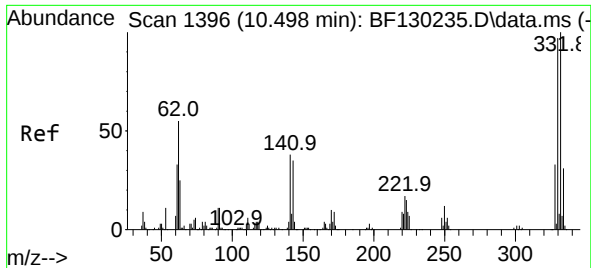
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.634 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

Tgt Ion:164 Resp: 170744
Ion Ratio Lower Upper
164 100
162 103.0 81.4 122.0
160 44.4 36.2 54.4





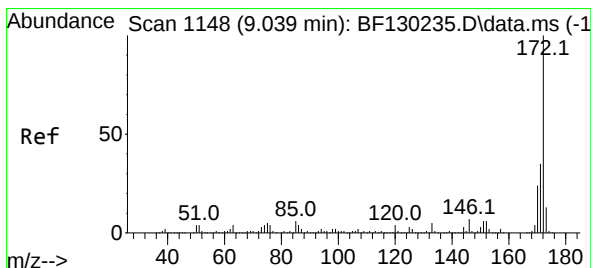
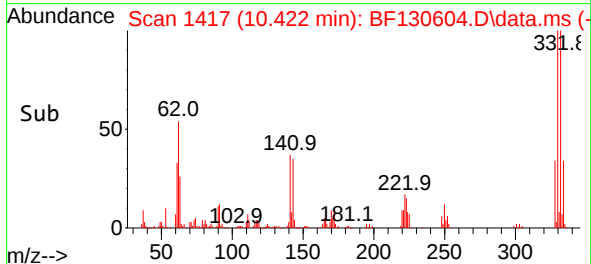
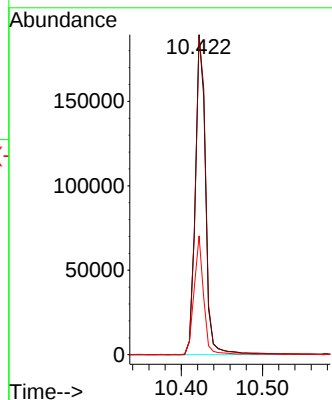
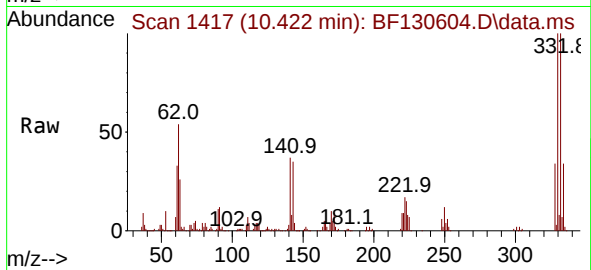
#42
2,4,6-Tribromophenol
Concen: 102.056 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

Instrument :
BNA_F
ClientSampleId :
R-1

Tgt Ion: 330 Resp: 166969
Ion Ratio Lower Upper
330 100
332 100.3 83.4 125.2
141 35.2 34.0 51.0

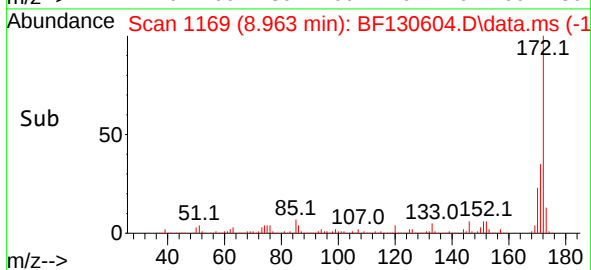
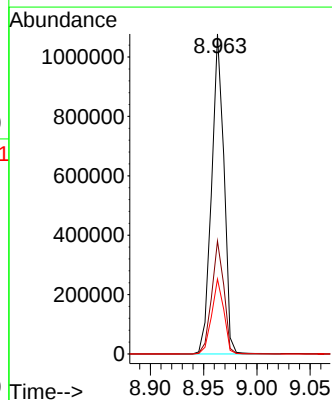
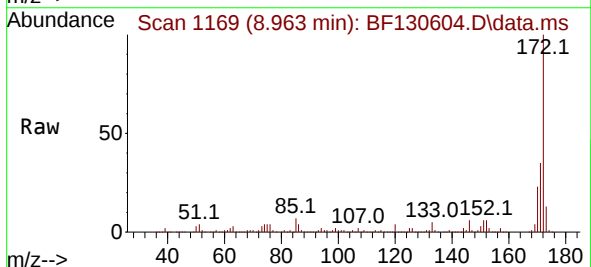
Manual Integrations
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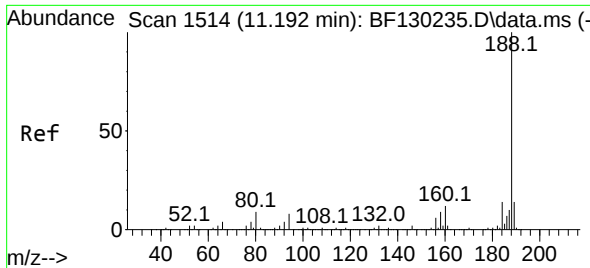
Reviewed By : Christian Giraldo 10/14/2022
Supervised By : Jagrut Upadhyay 10/14/2022



#45
2-Fluorobiphenyl
Concen: 74.182 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

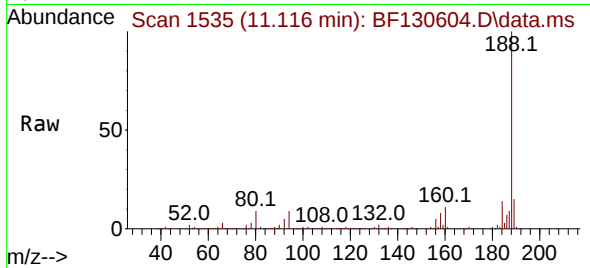
Tgt Ion: 172 Resp: 869817
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.4 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.116 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

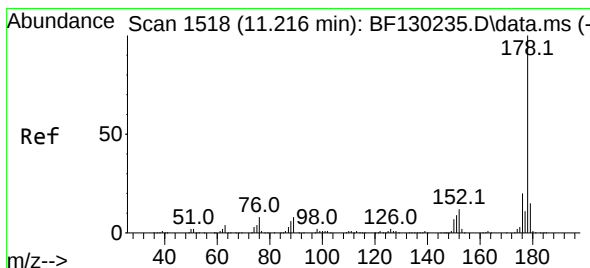
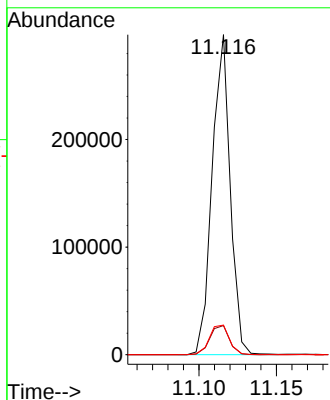
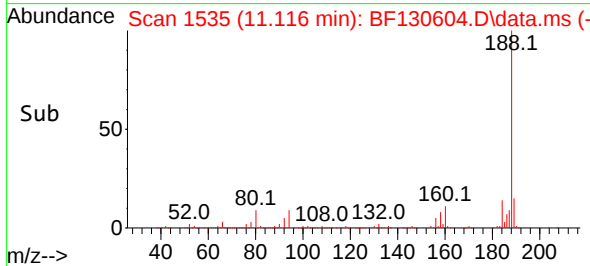
Instrument :
BNA_F
ClientSampleId :
R-1



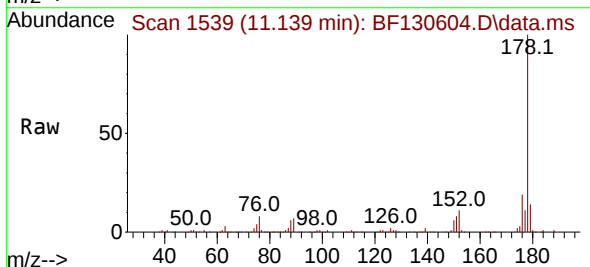
Tgt Ion:188 Resp: 240424
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.2 7.9 11.9

Manual Integrations
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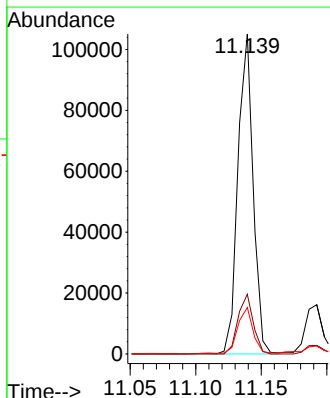
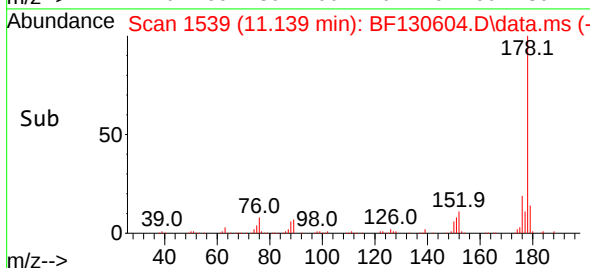
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

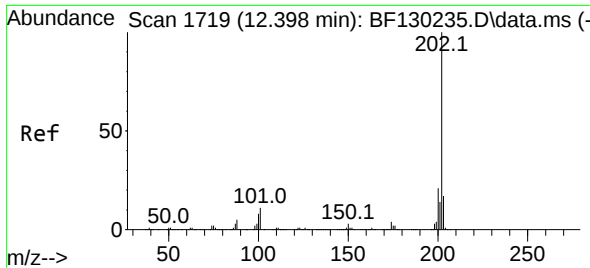


#71
Phenanthrene
Concen: 6.295 ng
RT: 11.139 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49



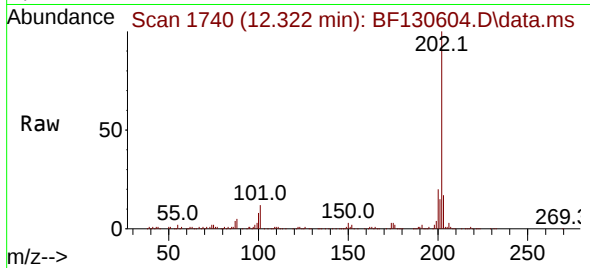
Tgt Ion:178 Resp: 84975
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 14.5 12.4 18.6





#75
Fluoranthene
Concen: 5.321 ng
RT: 12.322 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

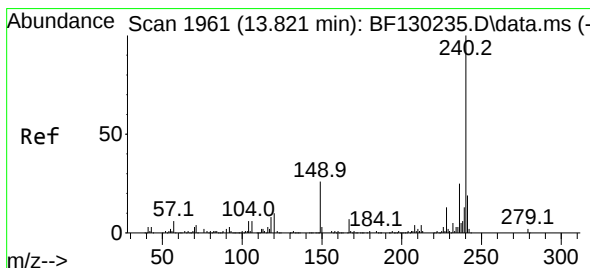
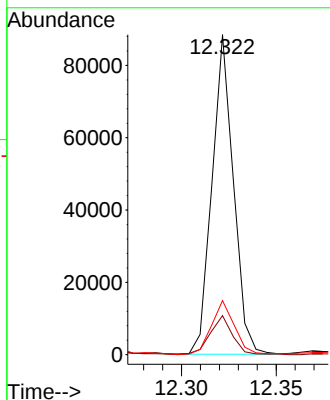
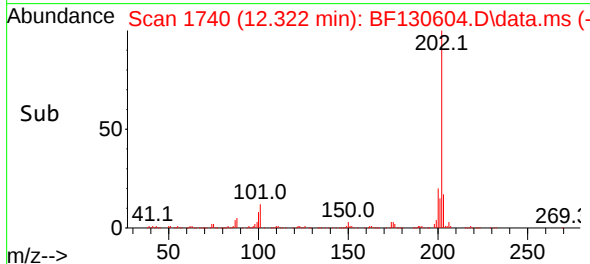
Instrument :
BNA_F
ClientSampleId :
R-1



Tgt Ion:202 Resp: 69409
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.8
203 16.9 0.0 37.8

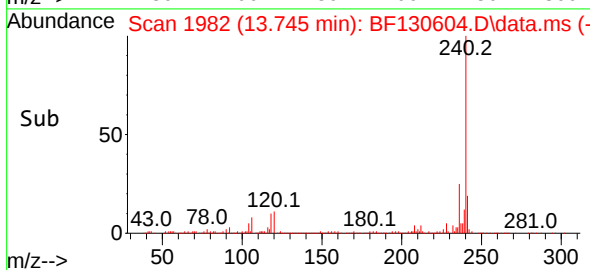
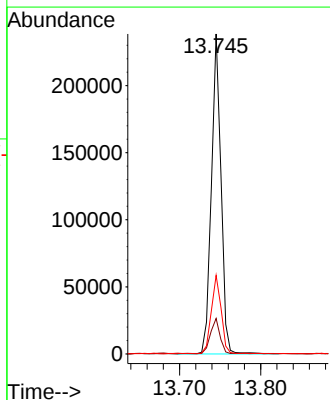
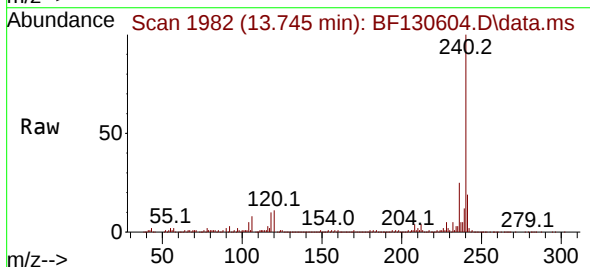
Manual Integrations
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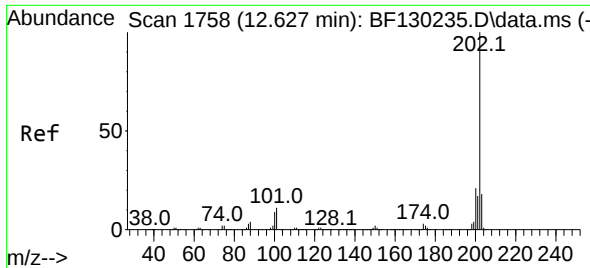
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.745 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

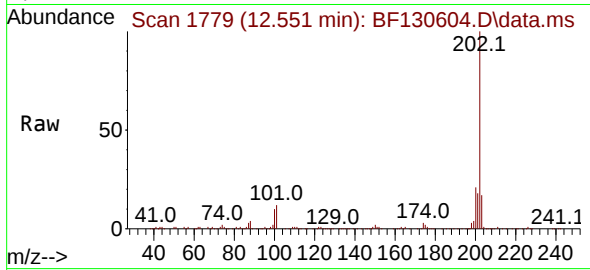
Tgt Ion:240 Resp: 195293
Ion Ratio Lower Upper
240 100
120 11.1 8.7 13.1
236 24.6 20.9 31.3





#78
Pyrene
Concen: 5.650 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

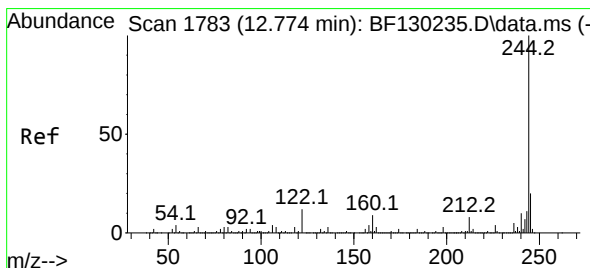
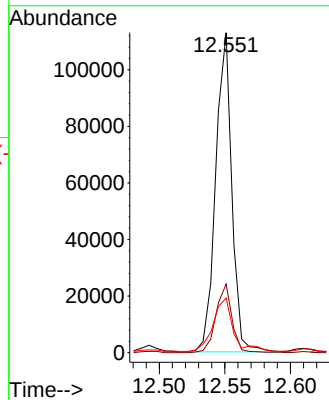
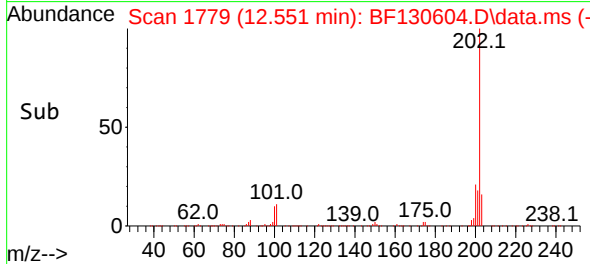
Instrument :
BNA_F
ClientSampleId :
R-1



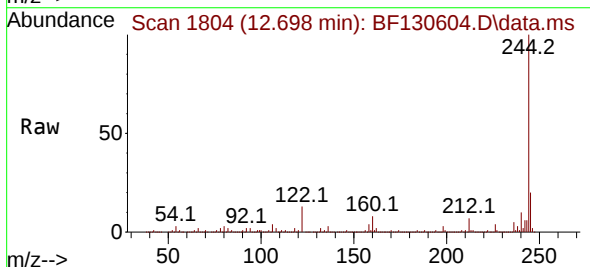
Tgt Ion:202 Resp: 9652
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.1 14.3 21.5

Manual Integrations
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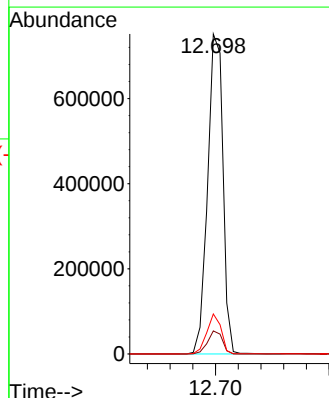
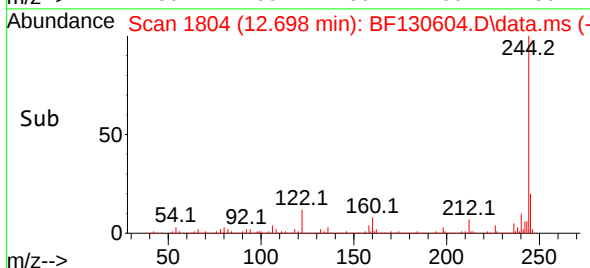
Reviewed By :Christian Giraldo 10/14/2022
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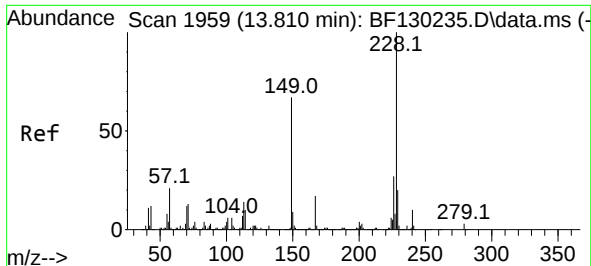


#79
Terphenyl-d14
Concen: 59.603 ng
RT: 12.698 min Scan# 1804
Delta R.T. 0.000 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49



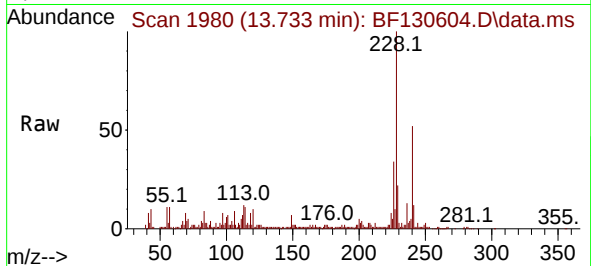
Tgt Ion:244 Resp: 702692
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 12.5 8.5 12.7





#81
Benzo(a)anthracene
Concen: 3.348 ng m
RT: 13.733 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

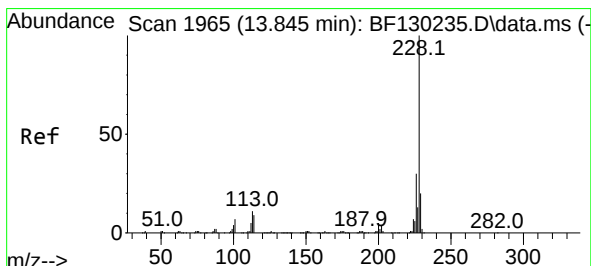
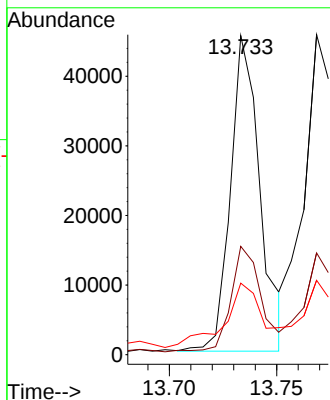
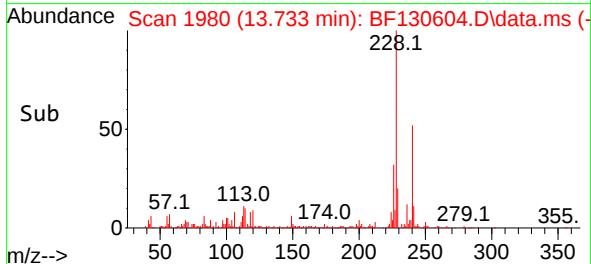
Instrument :
BNA_F
ClientSampleId :
R-1



Tgt Ion:228 Resp: 43495
Ion Ratio Lower Upper
228 100
226 33.9 21.9 32.9
229 22.4 16.1 24.1

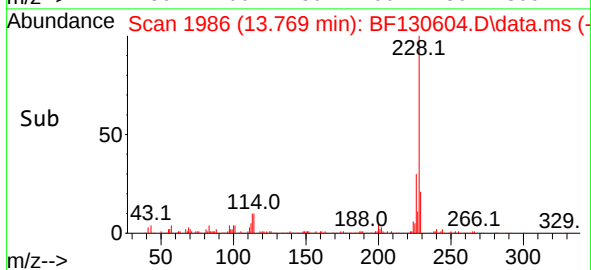
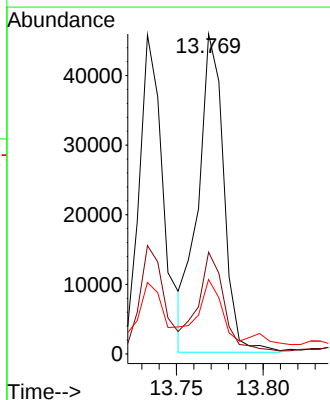
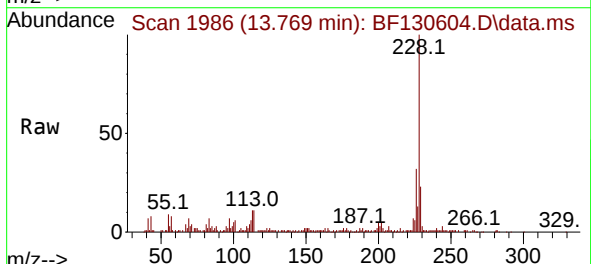
Manual Integrations
APPROVED

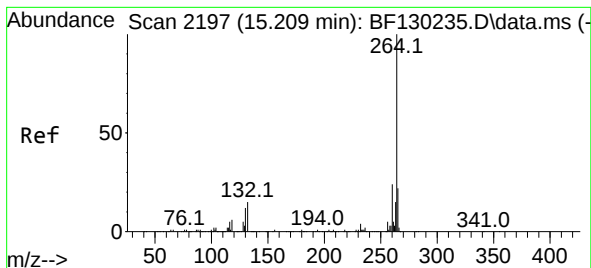
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#83
Chrysene
Concen: 3.825 ng m
RT: 13.769 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

Tgt Ion:228 Resp: 47184
Ion Ratio Lower Upper
228 100
226 31.8 23.8 35.8
229 23.2 15.3 22.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.127 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF130604.D

Acq: 10 Oct 2022 15:49

Instrument :

BNA_F

ClientSampleId :

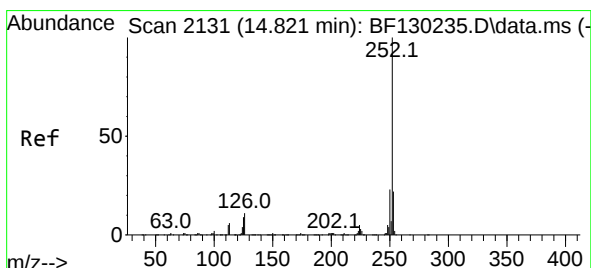
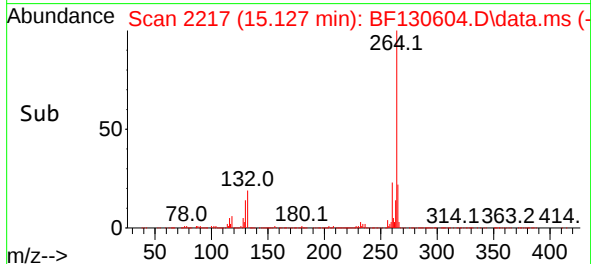
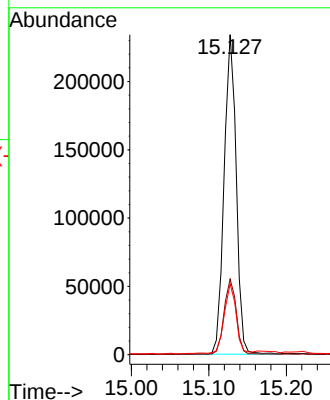
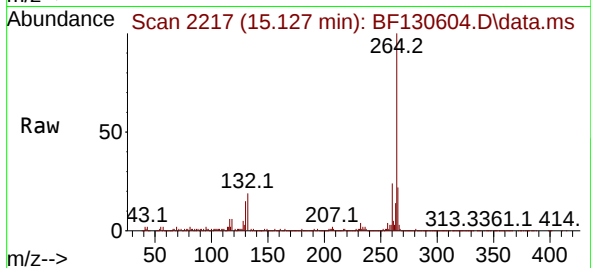
R-1

Tgt Ion:264 Resp: 253979
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.3 28.9
 265 22.1 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/14/2022
 Supervised By :Jagrut Upadhyay 10/14/2022



#88

Benzo(b)fluoranthene

Concen: 4.135 ng m

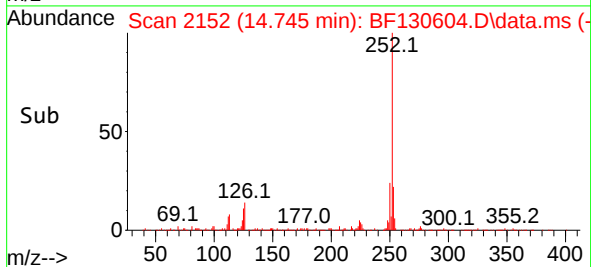
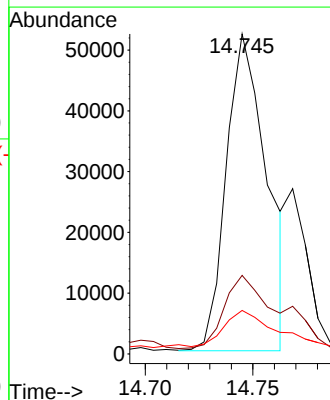
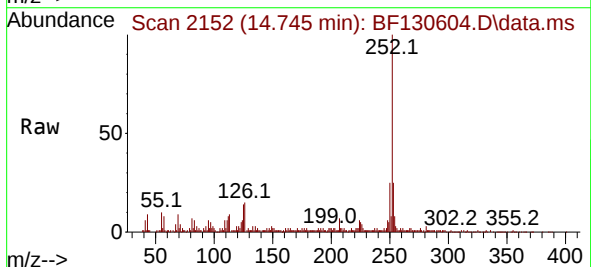
RT: 14.745 min Scan# 2152

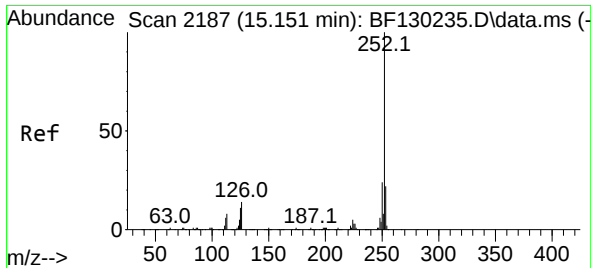
Delta R.T. 0.000 min

Lab File: BF130604.D

Acq: 10 Oct 2022 15:49

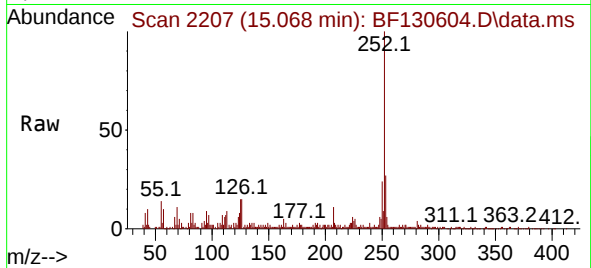
Tgt Ion:252 Resp: 68546
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.7 26.5
 125 13.6 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 3.999 ng
RT: 15.068 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BF130604.D
Acq: 10 Oct 2022 15:49

Instrument :
BNA_F
ClientSampleId :
R-1



Tgt Ion:252 Resp: 52517
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.6
125 14.6 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

