

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
 Data File : BF131110.D
 Acq On : 10 Nov 2022 03:03
 Operator : CG\JU
 Sample : N5511-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-110722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/10/2022
 Supervised By : Jagrut Upadhyay 11/10/2022

Quant Time: Nov 10 04:36:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	73077	20.000	ng	0.02
21) Naphthalene-d8	8.198	136	213935	20.000	ng	# 0.02
39) Acenaphthene-d10	9.934	164	157519	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	245392	20.000	ng	0.00
76) Chrysene-d12	14.080	240	168342	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	177989	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	269492	62.715	ng	0.02
7) Phenol-d6	6.534	99	461487	82.146	ng	0.01
23) Nitrobenzene-d5	7.493	82	324226m	68.379	ng	0.03
42) 2,4,6-Tribromophenol	10.728	330	150043	92.169	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	692657	61.385	ng	0.00
79) Terphenyl-d14	13.016	244	574023	59.786	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.228	128	3279633	280.563	ng	97
37) 2-Methylnaphthalene	8.910	142	2091658	277.585	ng	97
38) 1-Methylnaphthalene	9.004	142	1201488	162.814	ng	98
46) 1,1'-Biphenyl	9.351	154	37137	3.049	ng	96
49) Acenaphthylene	9.798	152	61530	4.074	ng	# 80
52) Acenaphthene	9.969	154	25769	2.861	ng	# 86
58) Fluorene	10.481	166	67984	6.274	ng	# 98
71) Phenanthrene	11.457	178	802168	59.436	ng	99
72) Anthracene	11.504	178	327303	24.987	ng	99
75) Fluoranthene	12.657	202	1717854	127.158	ng	99
78) Pyrene	12.886	202	1451436	100.494	ng	98
81) Benzo(a)anthracene	14.069	228	1031137	85.695	ng	97
83) Chrysene	14.110	228	848112	74.634	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	413292	29.959	ng	95
88) Benzo(b)fluoranthene	15.145	252	1054421m	83.791	ng	
89) Benzo(k)fluoranthene	15.169	252	423796m	35.038	ng	
90) Benzo(a)pyrene	15.521	252	822643	81.541	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	117804m	13.023	ng	
92) Benzo(g,h,i)perylene	17.557	276	353964	30.072	ng	98

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

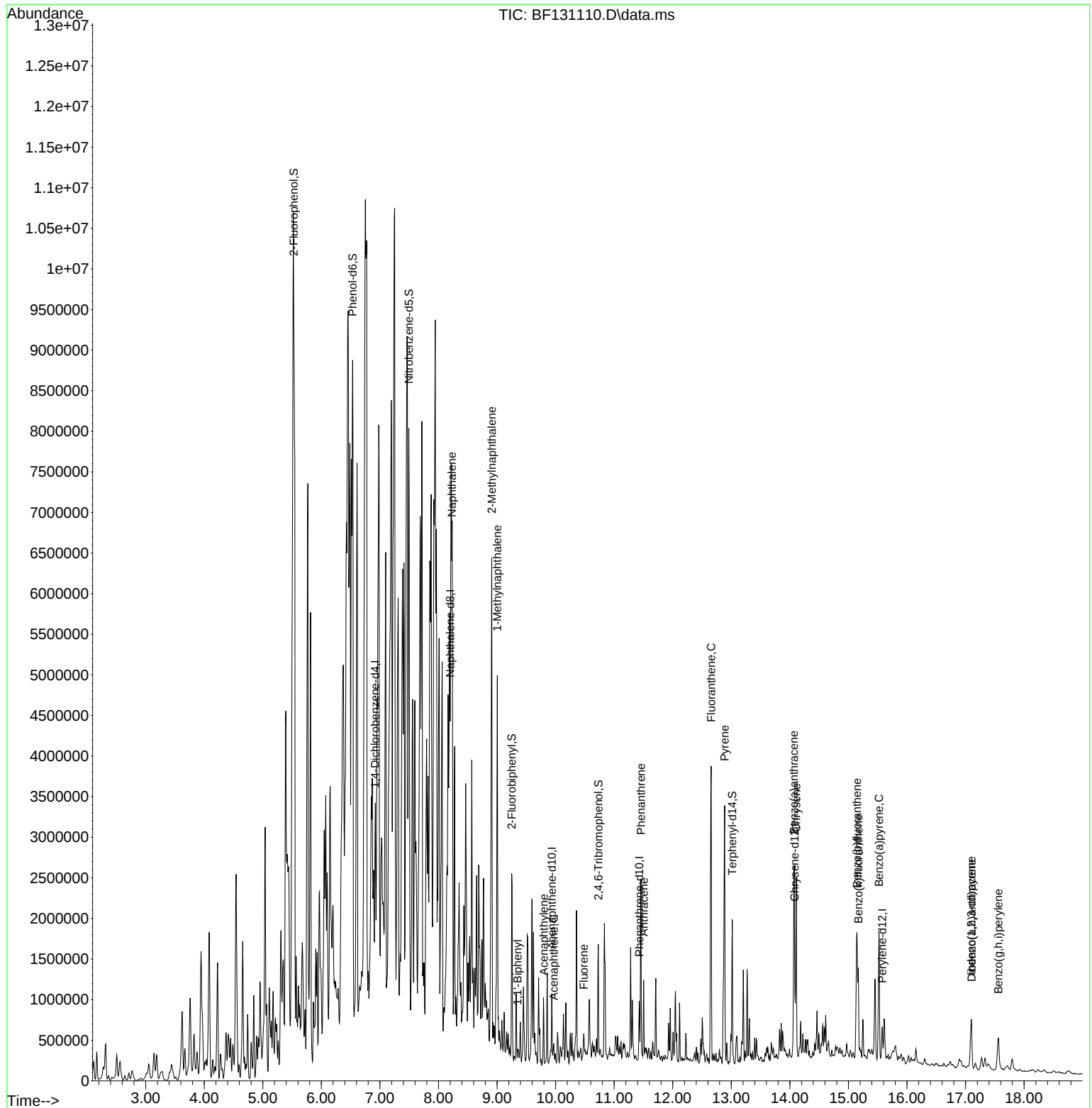
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131110.D
Acq On : 10 Nov 2022 03:03
Operator : CG\JU
Sample : N5511-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

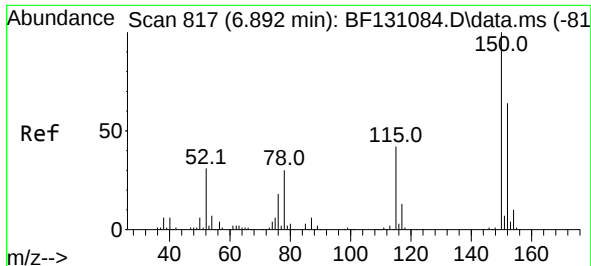
Instrument :
BNA_F
ClientSampleId :
PL-05-110722

Manual Integrations
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Supervised By :Jagrut Upadhyay 11/10/2022

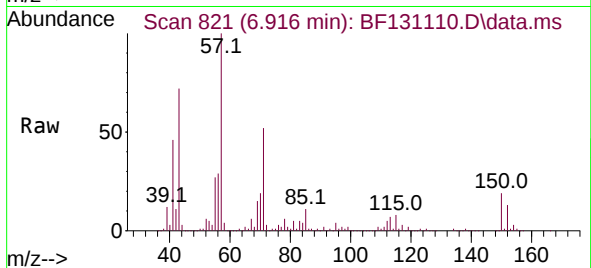
Quant Time: Nov 10 04:36:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 04:15:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 817
Delta R.T. 0.024 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

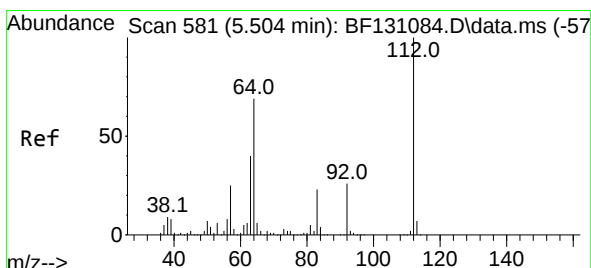
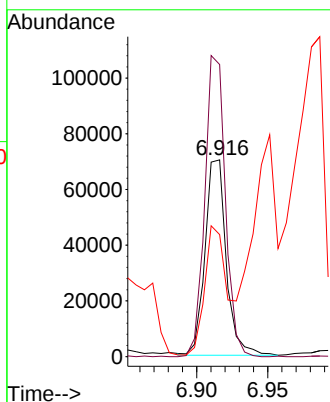
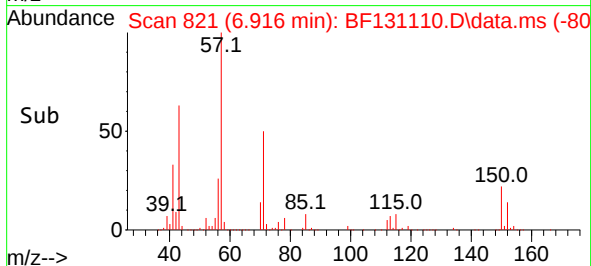
Instrument :
BNA_F
ClientSampleId :
PL-05-110722



Tgt Ion:152 Resp: 73072
Ion Ratio Lower Upper
152 100
150 148.5 125.5 188.3
115 62.1 52.2 78.2

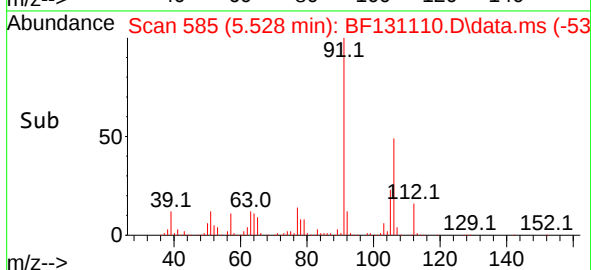
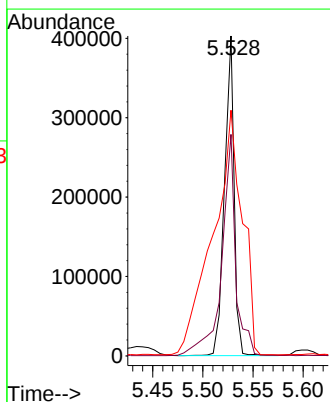
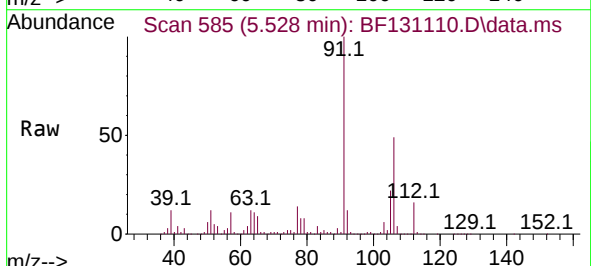
Manual Integrations
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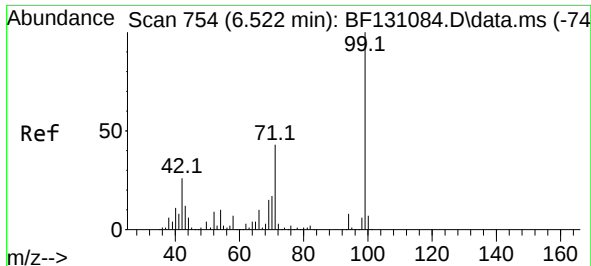
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#5
2-Fluorophenol
Concen: 62.715 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.024 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

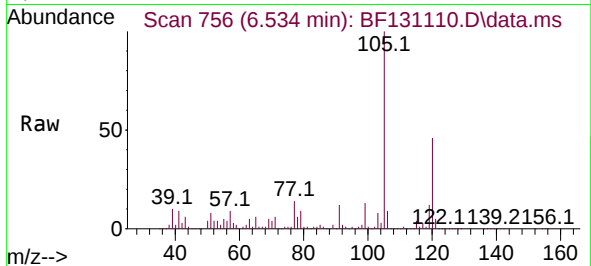
Tgt Ion:112 Resp: 269492
Ion Ratio Lower Upper
112 100
64 69.2 55.1 82.7
63 76.8 32.4 48.6#





#7
Phenol-d6
Concen: 82.146 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

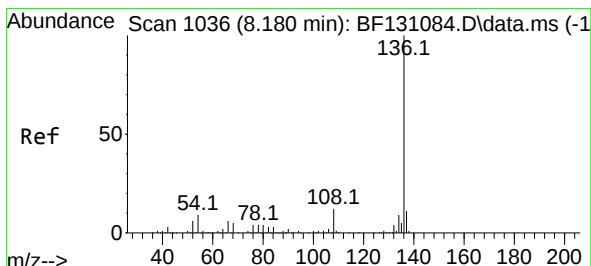
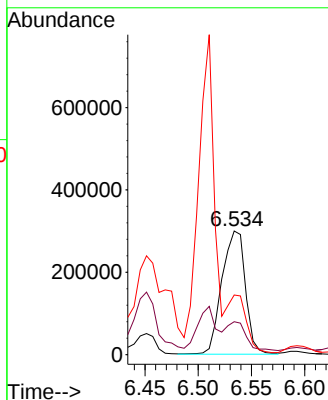
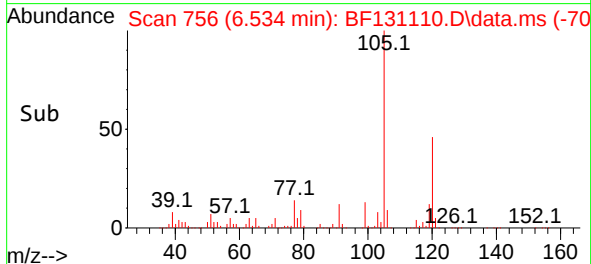
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PL-05-110722



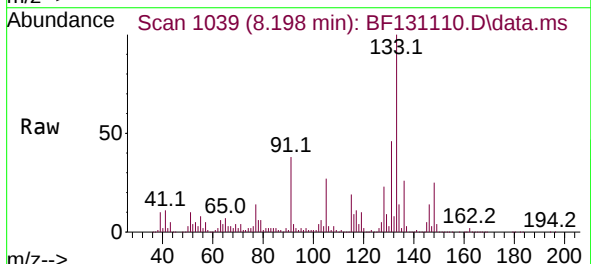
Tgt Ion: 99 Resp: 46148
Ion Ratio Lower Upper
99 100
42 26.7 20.8 31.2
71 48.3 34.2 51.4

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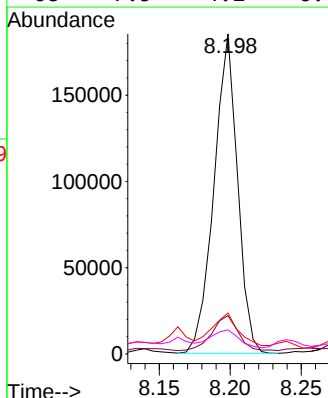
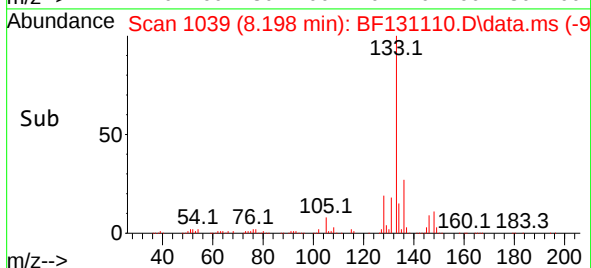
Reviewed By :Christian Giraldo 11/10/2022
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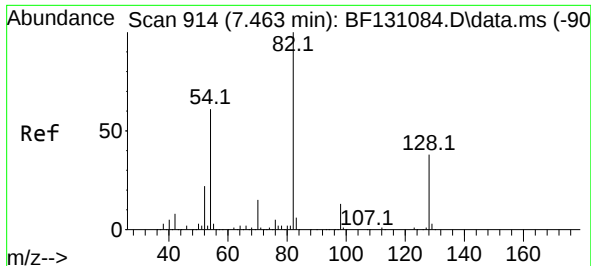


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.018 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03



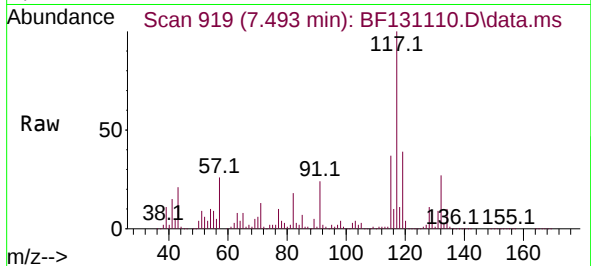
Tgt Ion:136 Resp: 213935
Ion Ratio Lower Upper
136 100
137 11.9 8.6 12.8
54 12.8 7.2 10.8#
68 7.5 4.2 6.4#





#23
Nitrobenzene-d5
Concen: 68.379 ng m
RT: 7.493 min Scan# 914
Delta R.T. 0.030 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

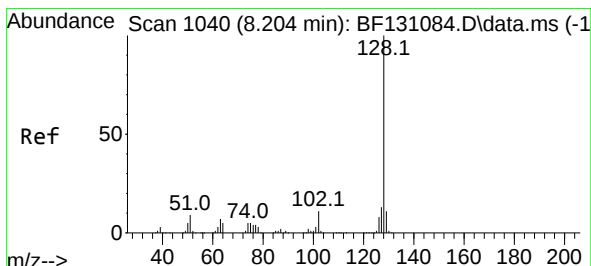
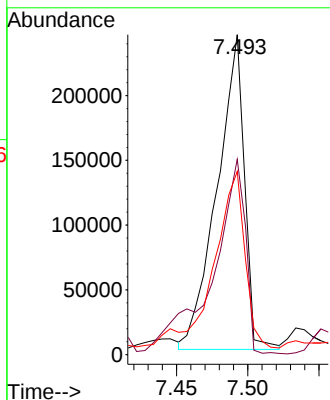
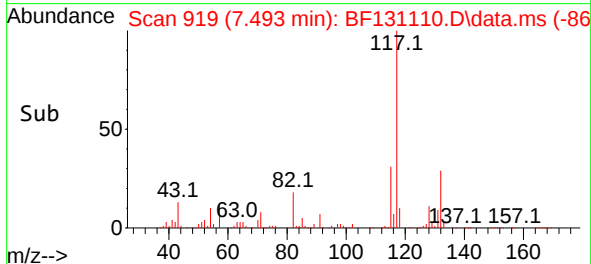
Instrument :
BNA_F
ClientSampleId :
PL-05-110722



Tgt Ion: 82 Resp: 324226
Ion Ratio Lower Upper
82 100
128 61.0 30.5 45.7
54 57.2 49.1 73.7

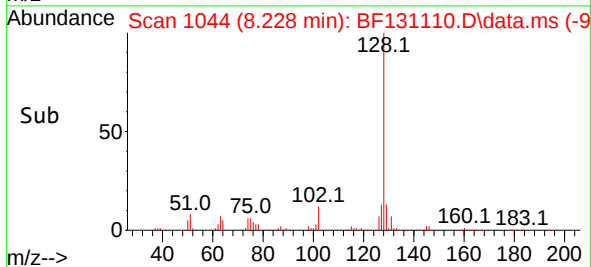
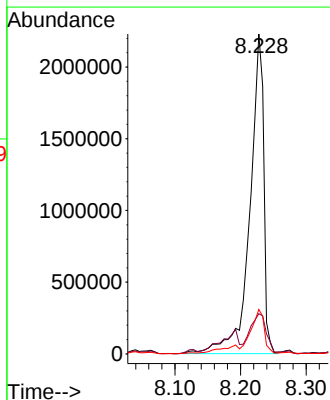
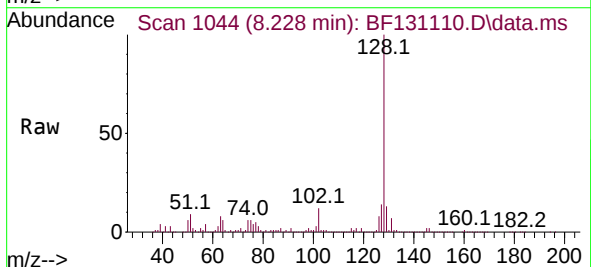
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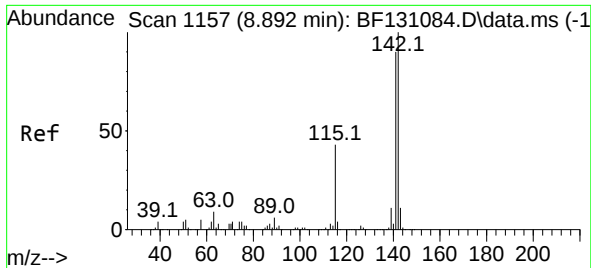
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#31
Naphthalene
Concen: 280.563 ng
RT: 8.228 min Scan# 1044
Delta R.T. 0.024 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Tgt Ion:128 Resp: 3279633
Ion Ratio Lower Upper
128 100
129 12.6 8.7 13.1
127 13.9 10.8 16.2





#37

2-Methylnaphthalene

Concen: 277.585 ng

RT: 8.910 min Scan# 1157

Delta R.T. 0.018 min

Lab File: BF131110.D

Acq: 10 Nov 2022 03:03

Instrument :

BNA_F

ClientSampleId :

PL-05-110722

Tgt Ion:142 Resp: 2091658

Ion Ratio Lower Upper

142 100

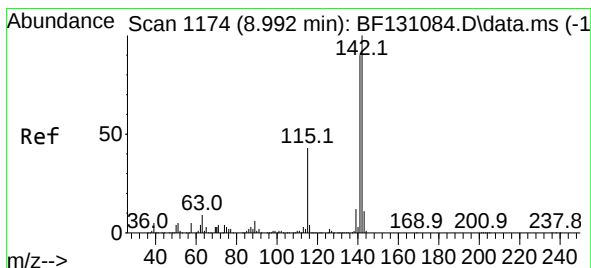
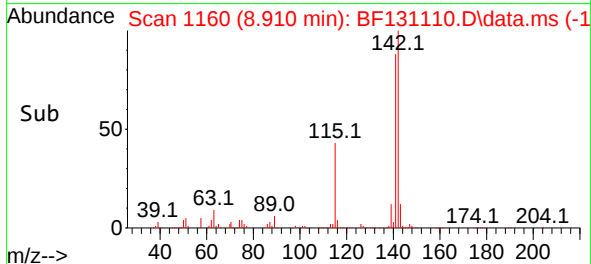
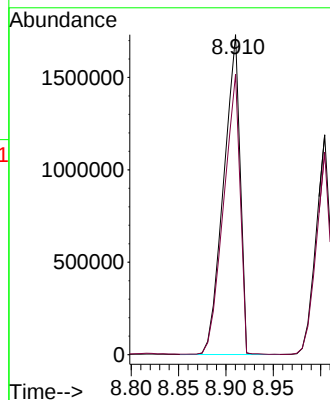
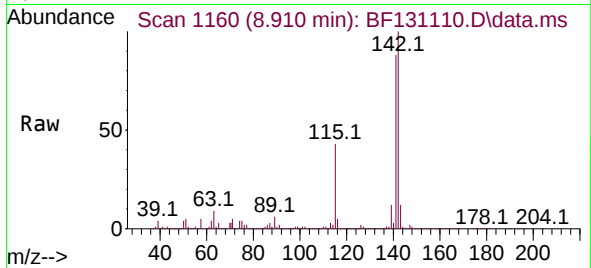
141 87.6 72.0 108.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/10/2022



#38

1-Methylnaphthalene

Concen: 162.814 ng

RT: 9.004 min Scan# 1176

Delta R.T. 0.012 min

Lab File: BF131110.D

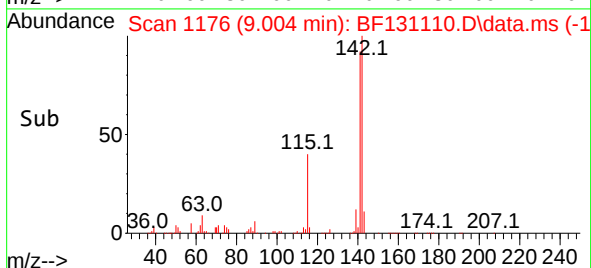
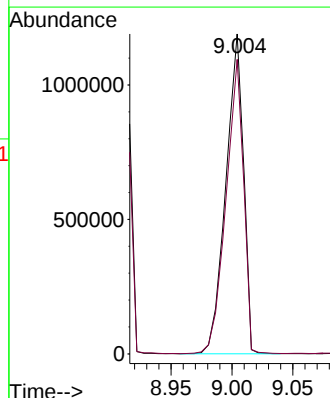
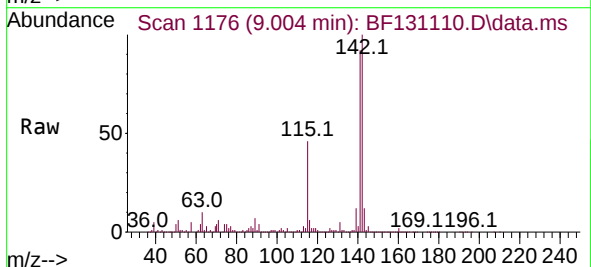
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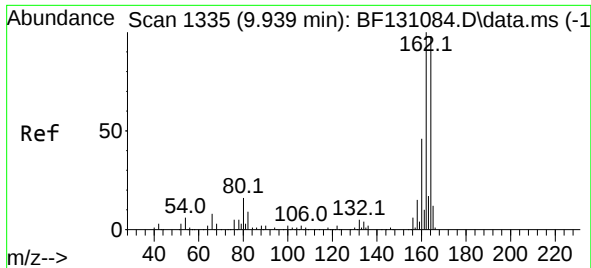
Tgt Ion:142 Resp: 1201488

Ion Ratio Lower Upper

142 100

141 92.0 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1334
Delta R.T. -0.005 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Instrument :

BNA_F

ClientSampleId :

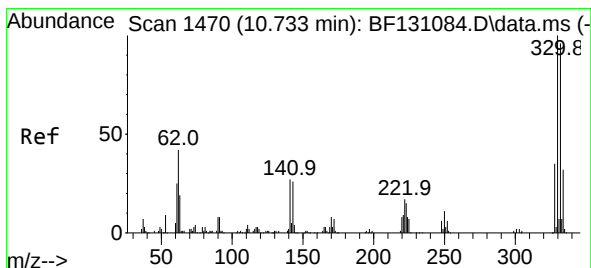
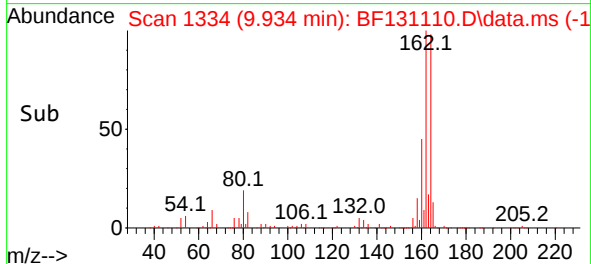
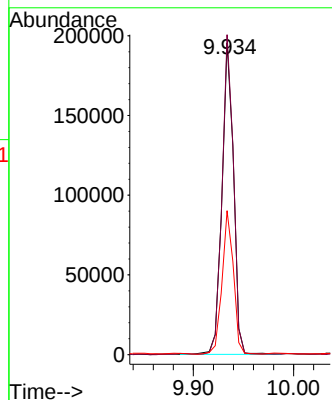
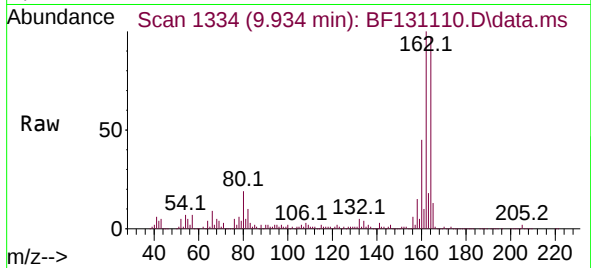
PL-05-110722

Tgt Ion:164 Resp: 157519
Ion Ratio Lower Upper
164 100
162 102.6 81.7 122.5
160 46.2 37.4 56.2

Manual Integrations

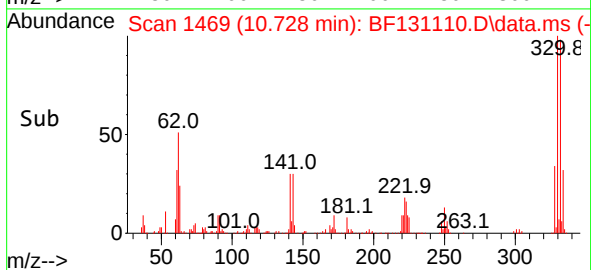
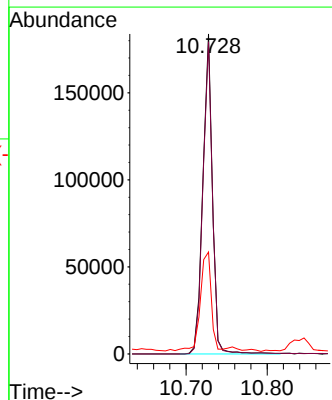
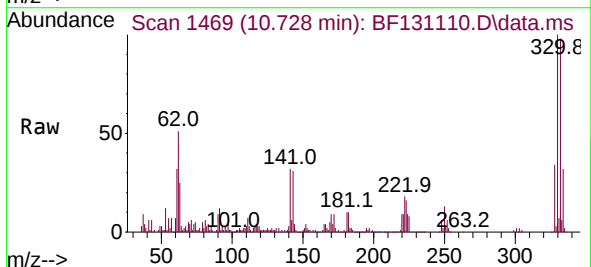
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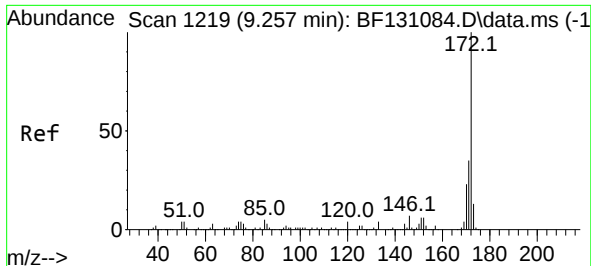
Reviewed By :Christian Giraldo 11/10/2022
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#42
2,4,6-Tribromophenol
Concen: 92.169 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

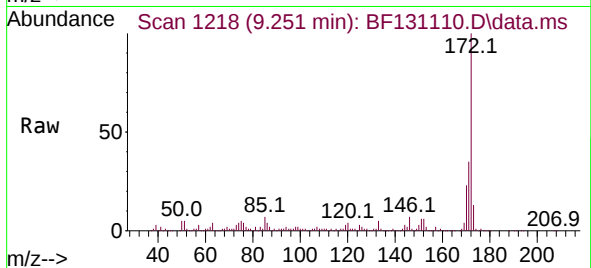
Tgt Ion:330 Resp: 150043
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 35.3 28.5 42.7





#45
2-Fluorobiphenyl
Concen: 61.385 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

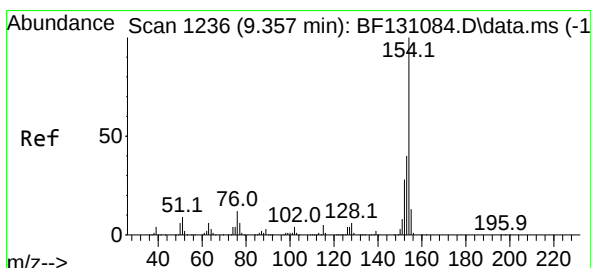
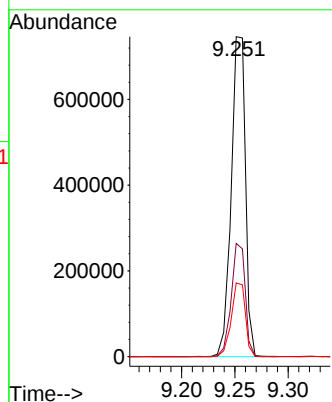
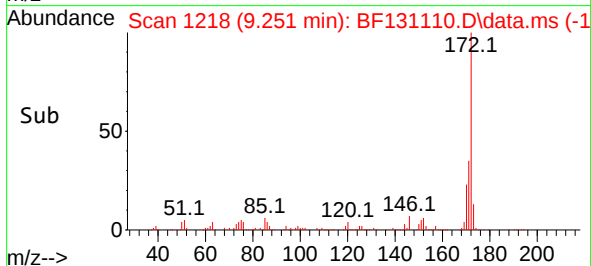
Instrument :
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PL-05-110722



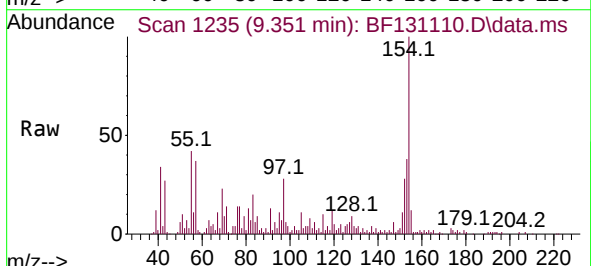
Tgt Ion:172 Resp: 692652
Ion Ratio Lower Upper
172 100
171 35.4 27.7 41.5
170 23.0 18.8 28.2

Manual Integrations
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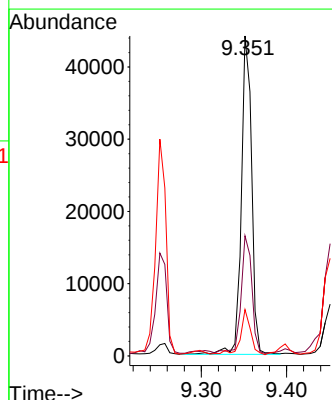
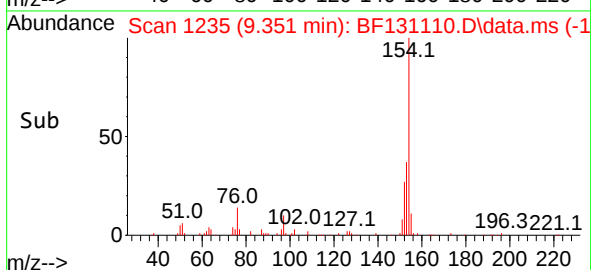
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

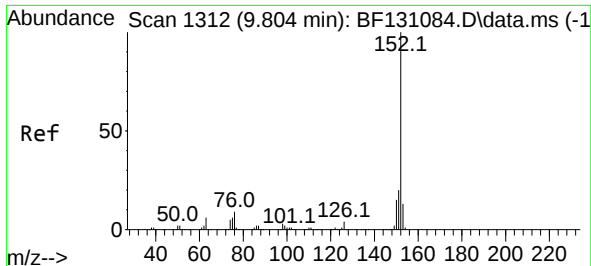


#46
1,1'-Biphenyl
Concen: 3.049 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03



Tgt Ion:154 Resp: 37137
Ion Ratio Lower Upper
154 100
153 37.5 19.9 59.9
76 14.5 0.0 32.5





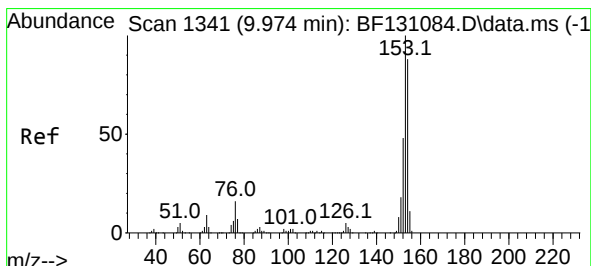
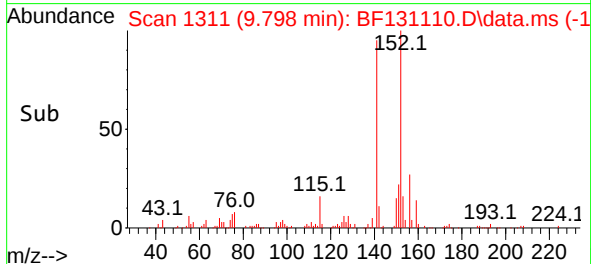
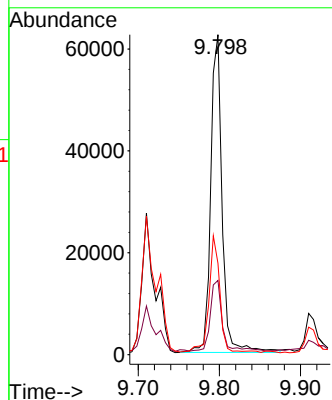
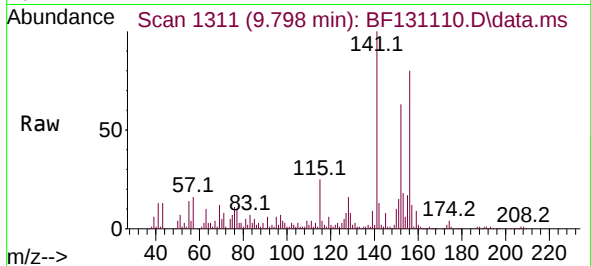
#49
Acenaphthylene
Concen: 4.074 ng
RT: 9.798 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Instrument :
BNA_F
ClientSampleId :
PL-05-110722

Tgt Ion:152 Resp: 61530
Ion Ratio Lower Upper
152 100
151 23.2 16.0 24.0
153 28.5 10.2 15.4

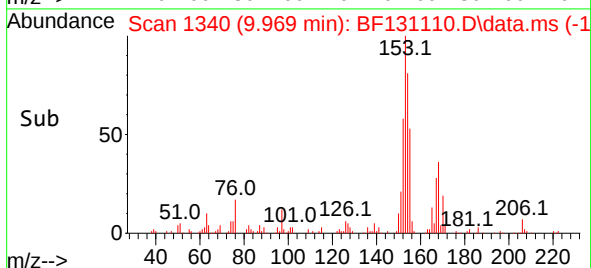
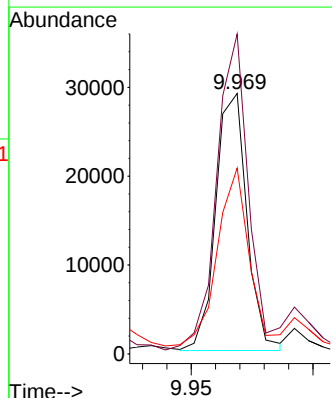
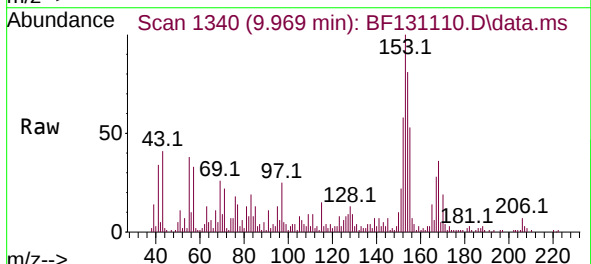
Manual Integrations
APPROVED

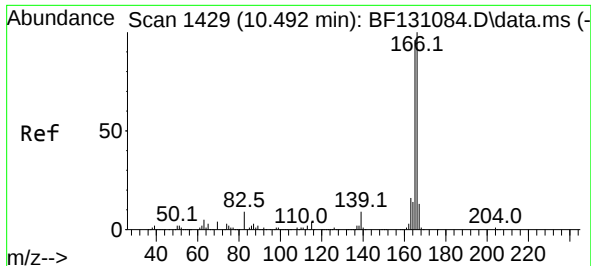
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#52
Acenaphthene
Concen: 2.861 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

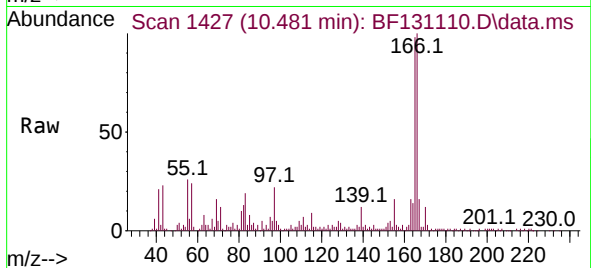
Tgt Ion:154 Resp: 25769
Ion Ratio Lower Upper
154 100
153 122.9 90.8 136.2
152 71.4 43.4 65.2





#58
Fluorene
Concen: 6.274 ng
RT: 10.481 min Scan# 1429
Delta R.T. -0.011 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

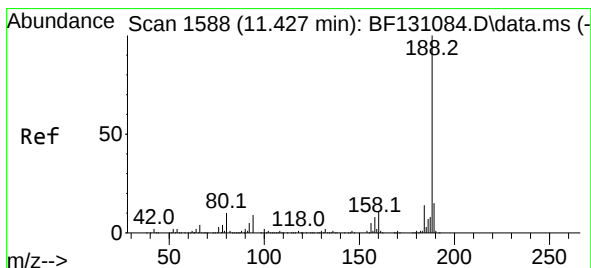
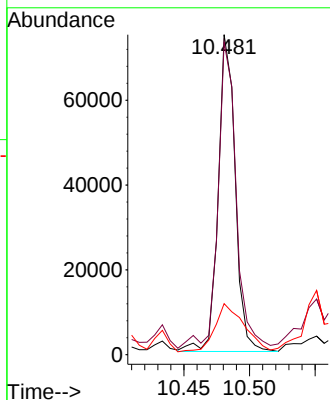
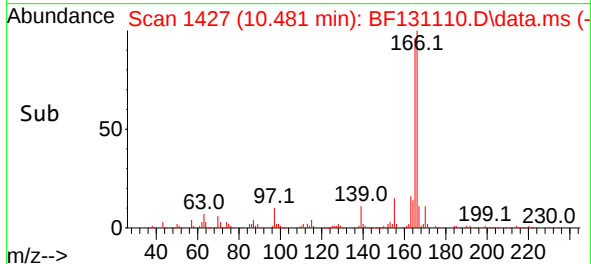
Instrument :
BNA_F
ClientSampleId :
PL-05-110722



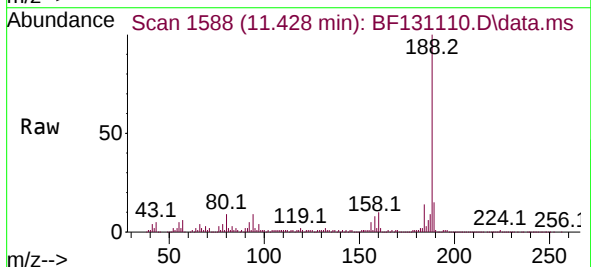
Tgt Ion:166 Resp: 67984
Ion Ratio Lower Upper
166 100
165 97.6 77.2 115.8
167 15.9 10.2 15.4

Manual Integrations
APPROVED

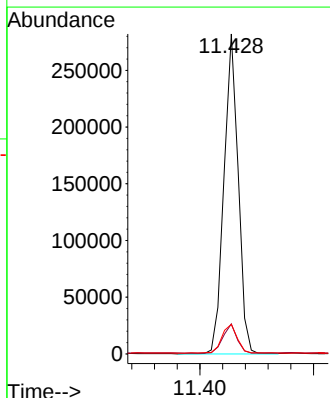
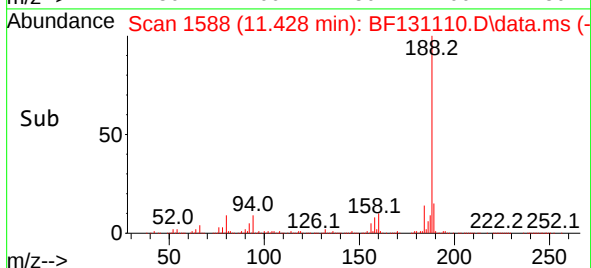
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

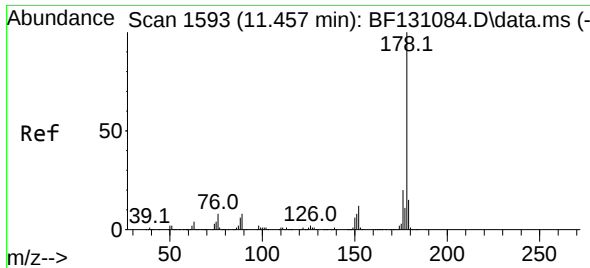


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1588
Delta R.T. 0.001 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03



Tgt Ion:188 Resp: 245392
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 9.2 7.9 11.9





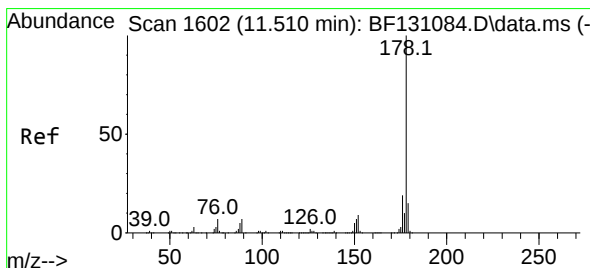
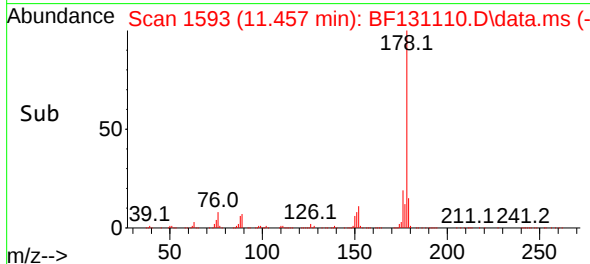
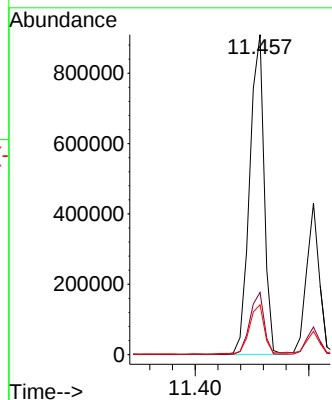
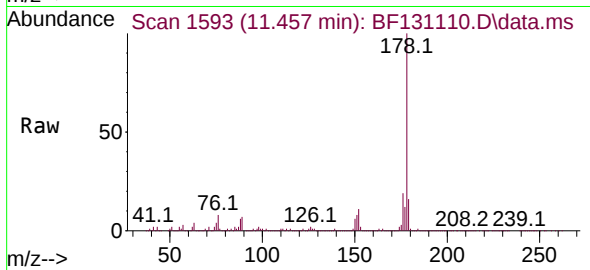
#71
Phenanthrene
Concen: 59.436 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Instrument :
BNA_F
ClientSampleId :
PL-05-110722

Tgt Ion:178 Resp: 802168
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.6 12.2 18.2

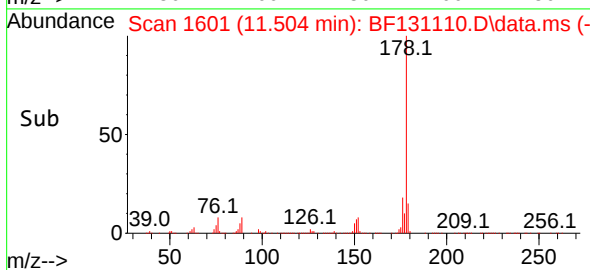
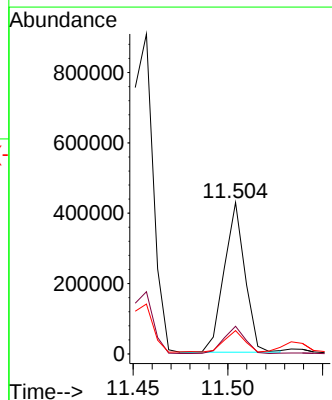
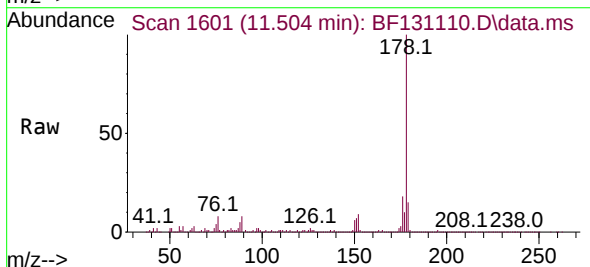
Manual Integrations
APPROVED

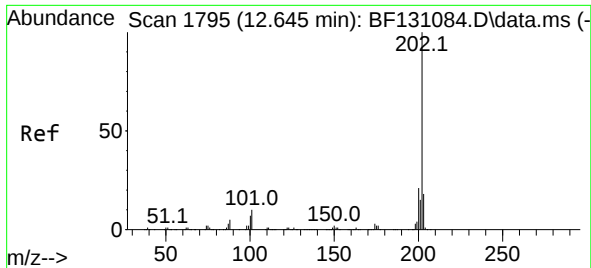
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#72
Anthracene
Concen: 24.987 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

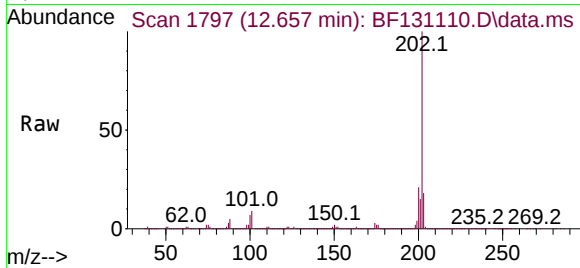
Tgt Ion:178 Resp: 327303
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.3 11.8 17.8





#75
Fluoranthene
Concen: 127.158 ng
RT: 12.657 min Scan# 1795
Delta R.T. 0.012 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

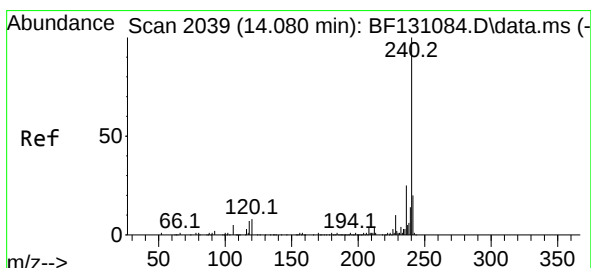
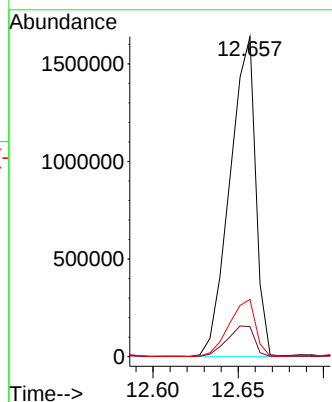
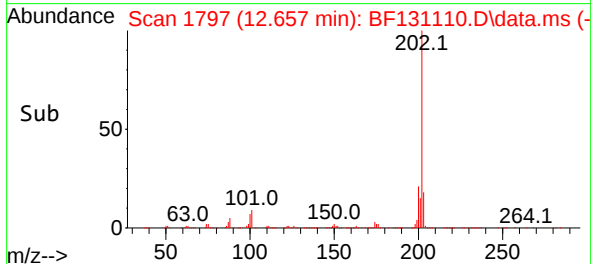
Instrument :
BNA_F
ClientSampleId :
PL-05-110722



Tgt Ion:202 Resp: 1717854
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.0
203 17.9 0.0 37.7

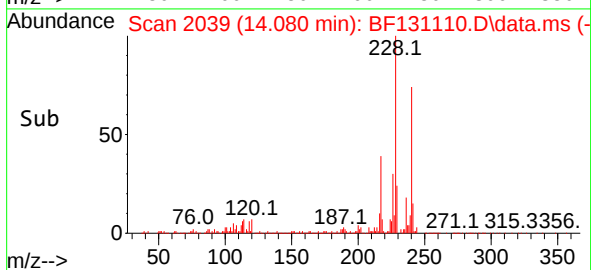
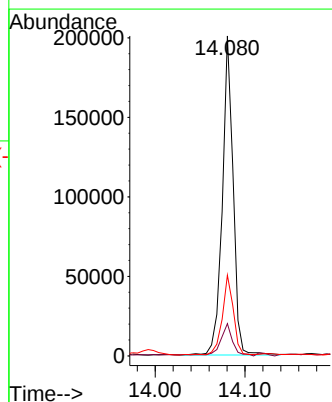
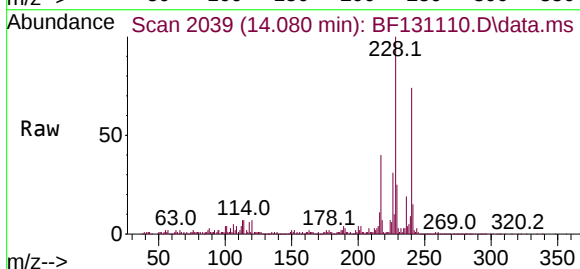
Manual Integrations
APPROVED

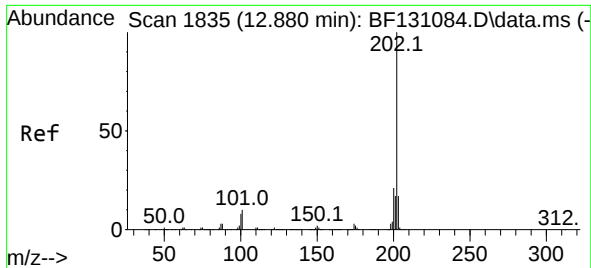
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

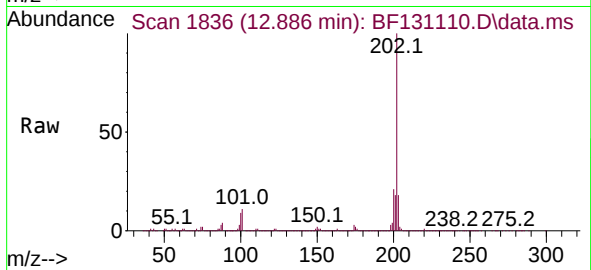
Tgt Ion:240 Resp: 168342
Ion Ratio Lower Upper
240 100
120 10.1 6.5 9.7#
236 25.2 19.7 29.5





#78
Pyrene
Concen: 100.494 ng
RT: 12.886 min Scan# 1835
Delta R.T. 0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

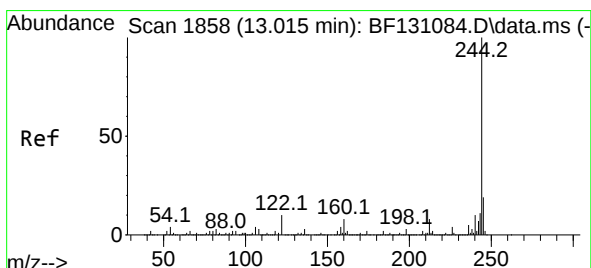
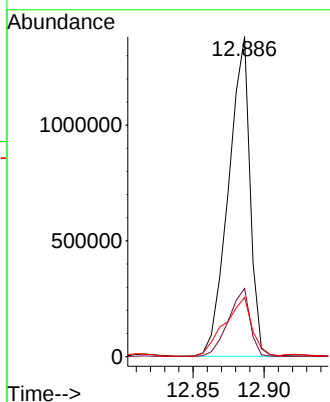
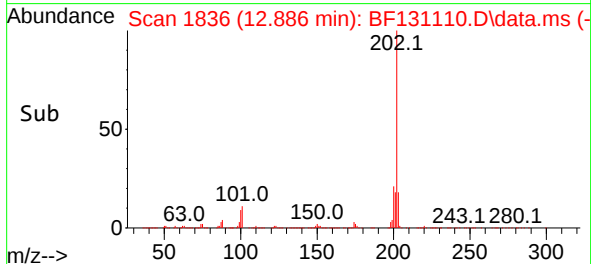
Instrument :
BNA_F
ClientSampleId :
PL-05-110722



Tgt Ion:202 Resp: 1451436
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 18.5 13.6 20.4

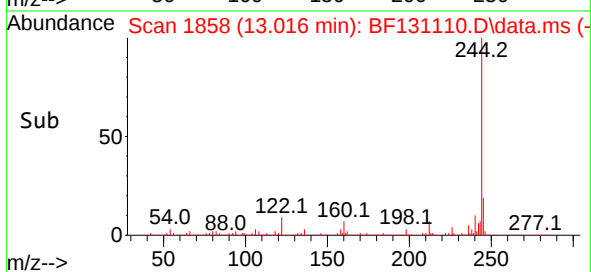
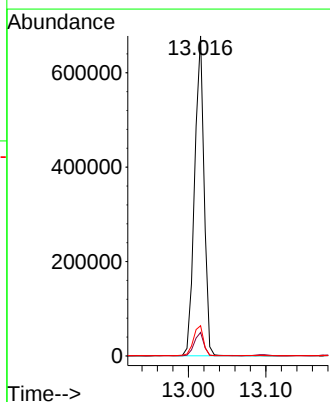
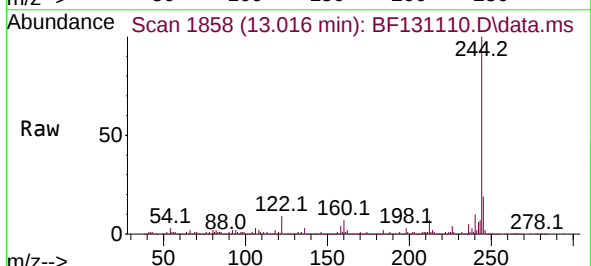
Manual Integrations
APPROVED

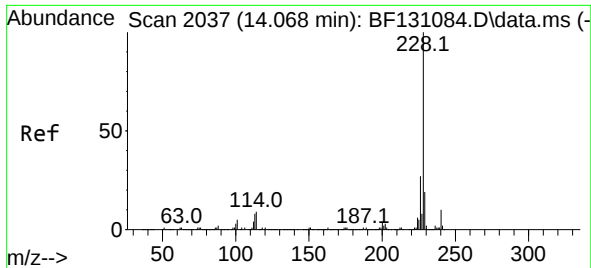
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#79
Terphenyl-d14
Concen: 59.786 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.001 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Tgt Ion:244 Resp: 574023
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 9.4 7.8 11.8





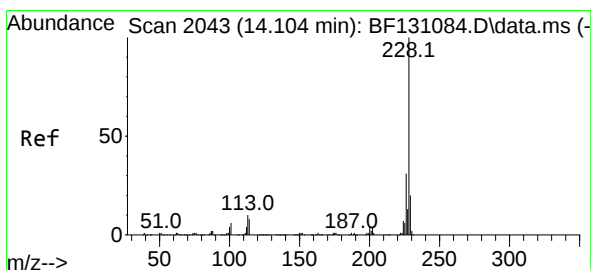
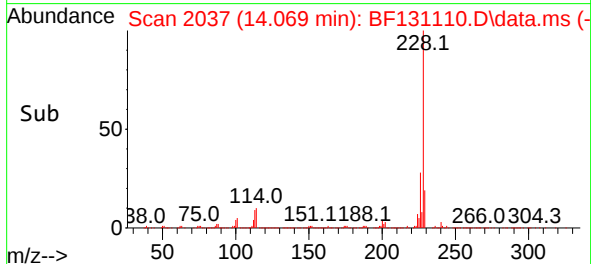
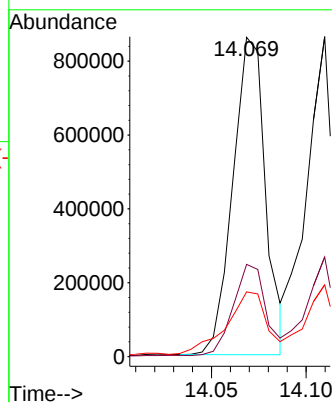
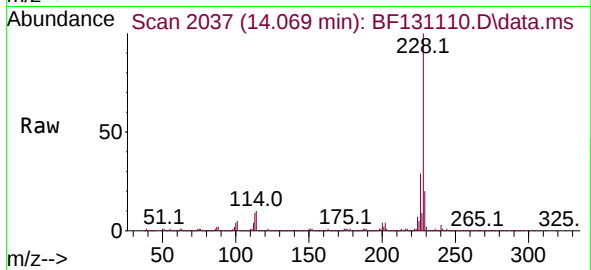
#81
Benzo(a)anthracene
Concen: 85.695 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Instrument :
BNA_F
ClientSampleId :
PL-05-110722

Tgt Ion:228 Resp: 1031137
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.6
229 20.3 15.4 23.2

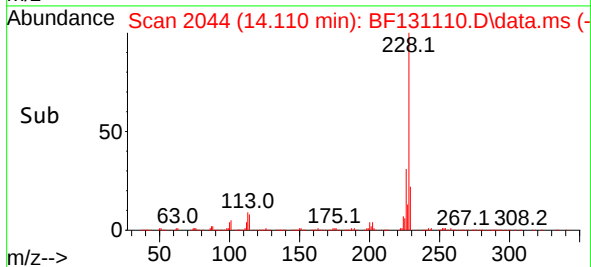
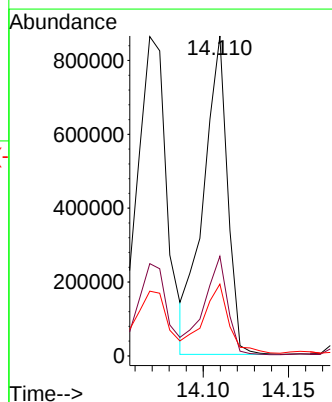
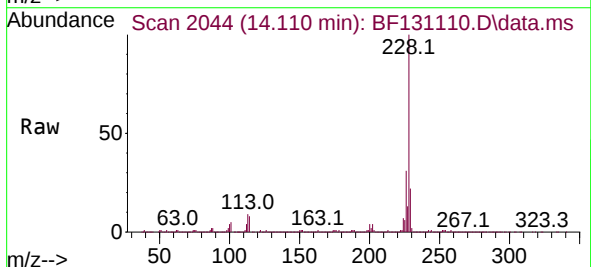
Manual Integrations
APPROVED

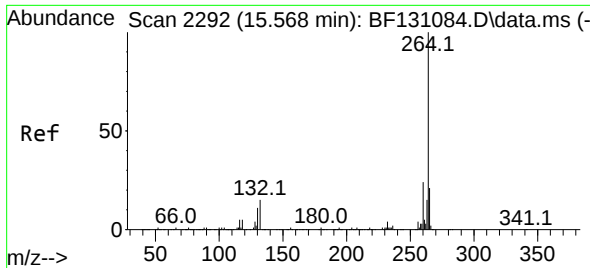
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#83
Chrysene
Concen: 74.634 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.006 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Tgt Ion:228 Resp: 848112
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 22.4 15.8 23.6





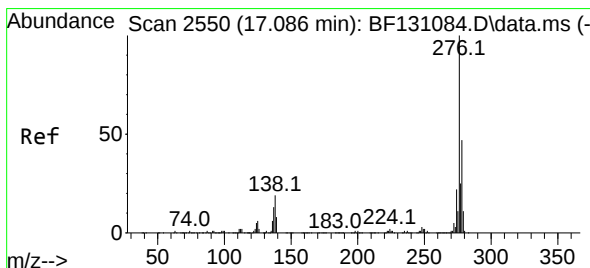
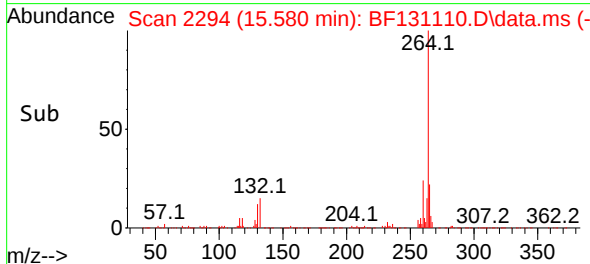
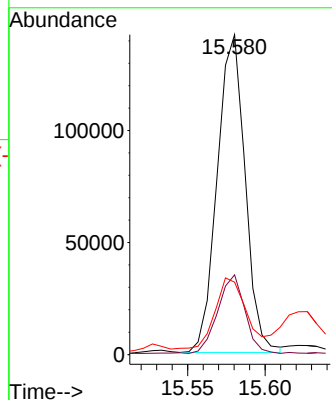
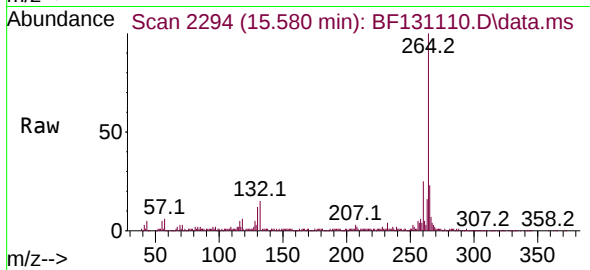
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2292
Delta R.T. 0.012 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Instrument :
BNA_F
ClientSampleId :
PL-05-110722

Tgt Ion:264 Resp: 177989
Ion Ratio Lower Upper
264 100
260 24.9 19.1 28.7
265 22.6 16.7 25.1

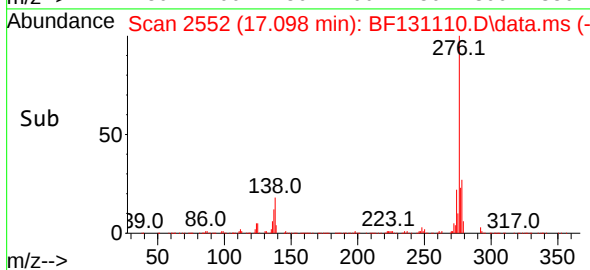
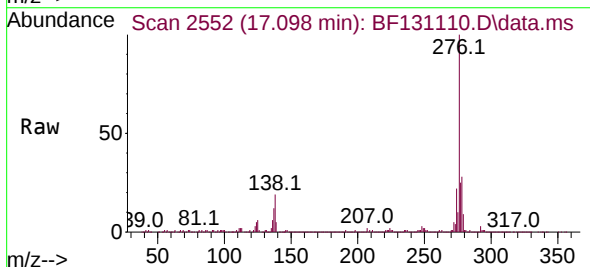
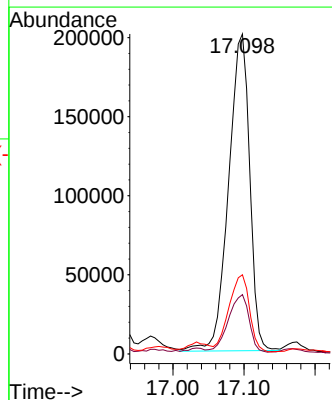
Manual Integrations
APPROVED

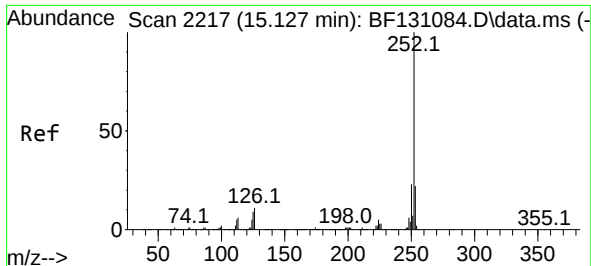
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 29.959 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.012 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

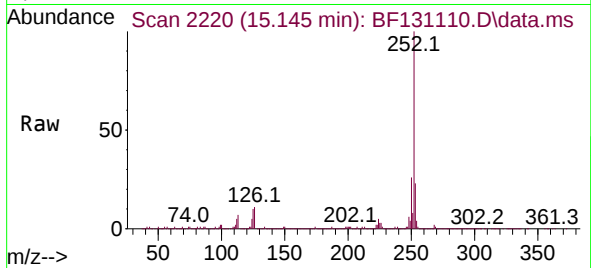
Tgt Ion:276 Resp: 413292
Ion Ratio Lower Upper
276 100
138 18.0 16.9 25.3
277 23.9 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 83.791 ng m
RT: 15.145 min Scan# 2217
Delta R.T. 0.018 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

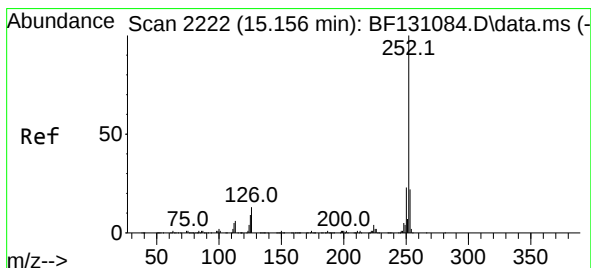
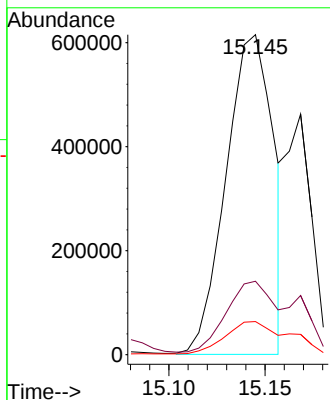
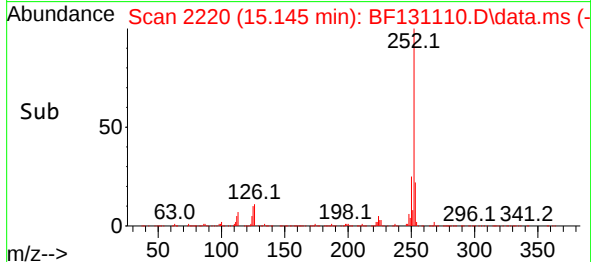
Instrument :
BNA_F
ClientSampleId :
PL-05-110722



Tgt Ion:252 Resp: 105442
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.4 7.2 10.8

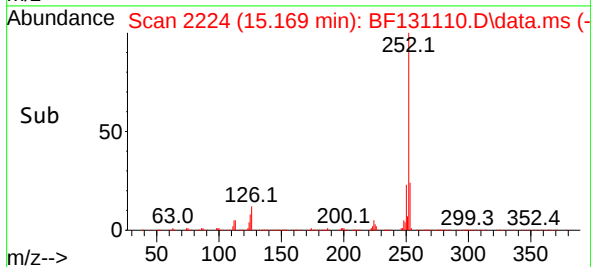
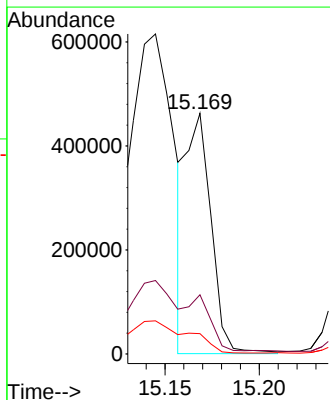
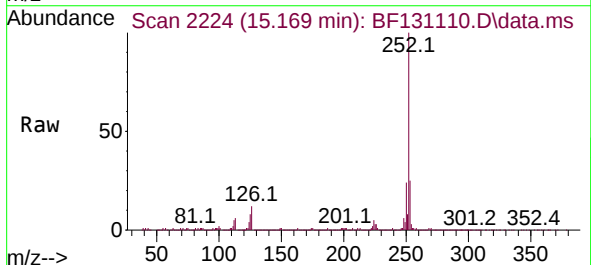
Manual Integrations
APPROVED

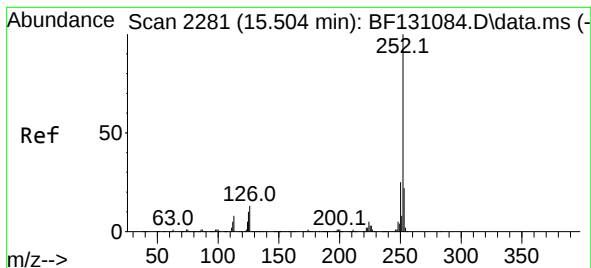
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#89
Benzo(k)fluoranthene
Concen: 35.038 ng m
RT: 15.169 min Scan# 2224
Delta R.T. 0.013 min
Lab File: BF131110.D
Acq: 10 Nov 2022 03:03

Tgt Ion:252 Resp: 423796
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 8.5 7.5 11.3





#90

Benzo(a)pyrene

Concen: 81.541 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF131110.D

Acq: 10 Nov 2022 03:03

Instrument :

BNA_F

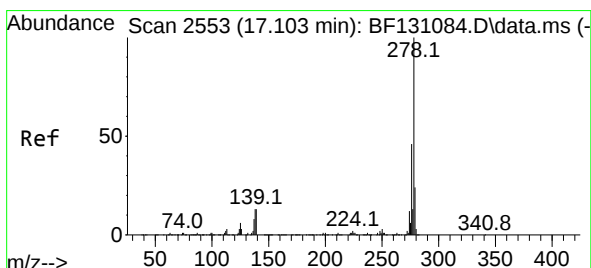
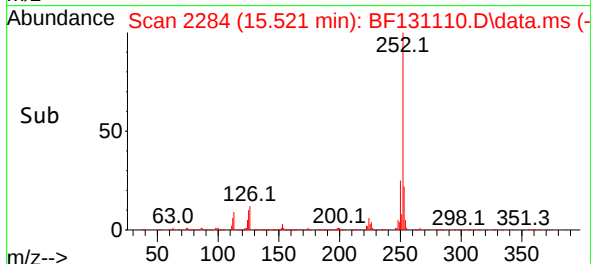
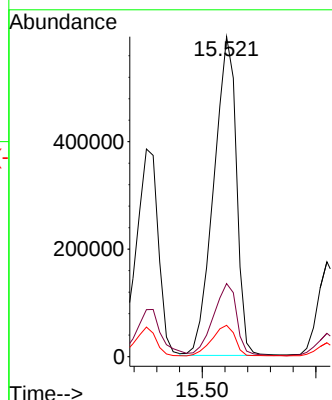
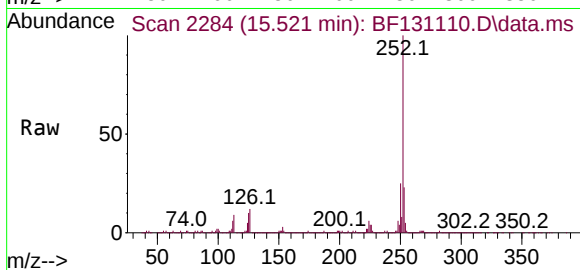
ClientSampleId :

PL-05-110722

Tgt Ion:252 Resp: 822643
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.8 26.8
 125 9.8 8.1 12.1

Manual Integrations
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Reviewed By :Christian Giraldo 11/10/2022
 Supervised By :Jagrut Upadhyay 11/10/2022



#91

Dibenzo(a,h)anthracene

Concen: 13.023 ng m

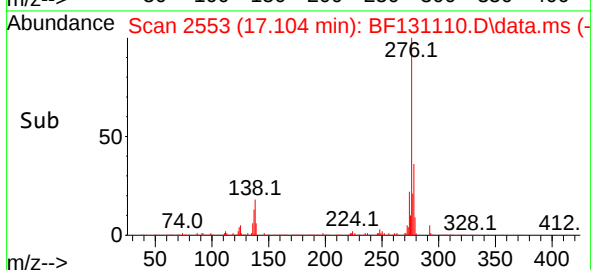
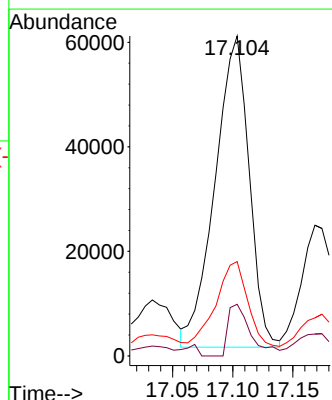
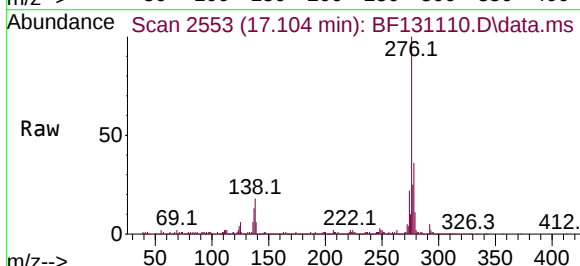
RT: 17.104 min Scan# 2553

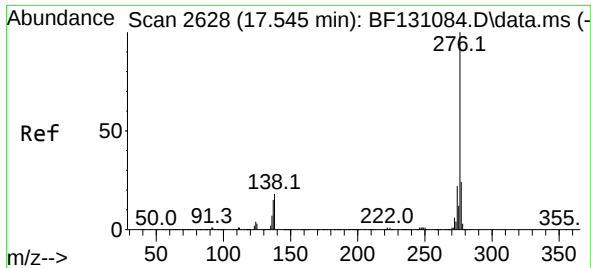
Delta R.T. 0.001 min

Lab File: BF131110.D

Acq: 10 Nov 2022 03:03

Tgt Ion:278 Resp: 117804
 Ion Ratio Lower Upper
 278 100
 139 16.1 10.8 16.2
 279 29.5 19.2 28.8#





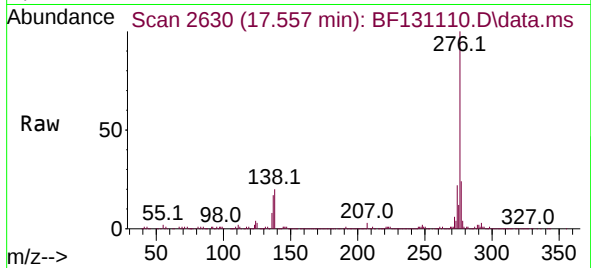
#92
 Benzo(g,h,i)perylene
 Concen: 30.072 ng
 RT: 17.557 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF131110.D
 Acq: 10 Nov 2022 03:03

Instrument :

BNA_F

ClientSampleId :

PL-05-110722



Tgt Ion:276 Resp: 353964
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.0 28.4
 138 19.6 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/10/2022
 Supervised By :Jagrut Upadhyay 11/10/2022

