

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
 Data File : BF131112.D
 Acq On : 10 Nov 2022 04:02
 Operator : CG\JU
 Sample : N5505-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-2-110722

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 04:37:16 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	6.892	152	90645	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	319236	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	155744	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	254868	20.000	ng	0.00
76) Chrysene-d12	14.080	240	209615	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	158372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	208685	39.152	ng	0.00
7) Phenol-d6	6.516	99	239583	34.381	ng	0.00
23) Nitrobenzene-d5	7.451	82	154126	21.783	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	50351	31.282	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	271874	24.369	ng	0.00
79) Terphenyl-d14	13.021	244	264334	22.110	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.792	152	44563	2.985	ng	99
52) Acenaphthene	9.963	154	27383	3.074	ng	96
58) Fluorene	10.480	166	38607	3.604	ng	97
71) Phenanthrene	11.451	178	520238	37.113	ng	99
72) Anthracene	11.504	178	130544	9.595	ng	98
73) Carbazole	11.657	167	28127	2.325	ng	98
75) Fluoranthene	12.651	202	881860	62.849	ng	100
78) Pyrene	12.886	202	856489	47.625	ng	99
81) Benzo(a)anthracene	14.068	228	461444	30.799	ng	97
83) Chrysene	14.104	228	402237	28.427	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	141478	13.904	ng	98
88) Benzo(b)fluoranthene	15.139	252	382310m	34.144	ng	
89) Benzo(k)fluoranthene	15.162	252	147055m	13.664	ng	
90) Benzo(a)pyrene	15.509	252	277204	30.880	ng	97
91) Dibenzo(a,h)anthracene	17.098	278	36735	7.058	ng	# 85
92) Benzo(g,h,i)perylene	17.551	276	135758	15.446	ng	99

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

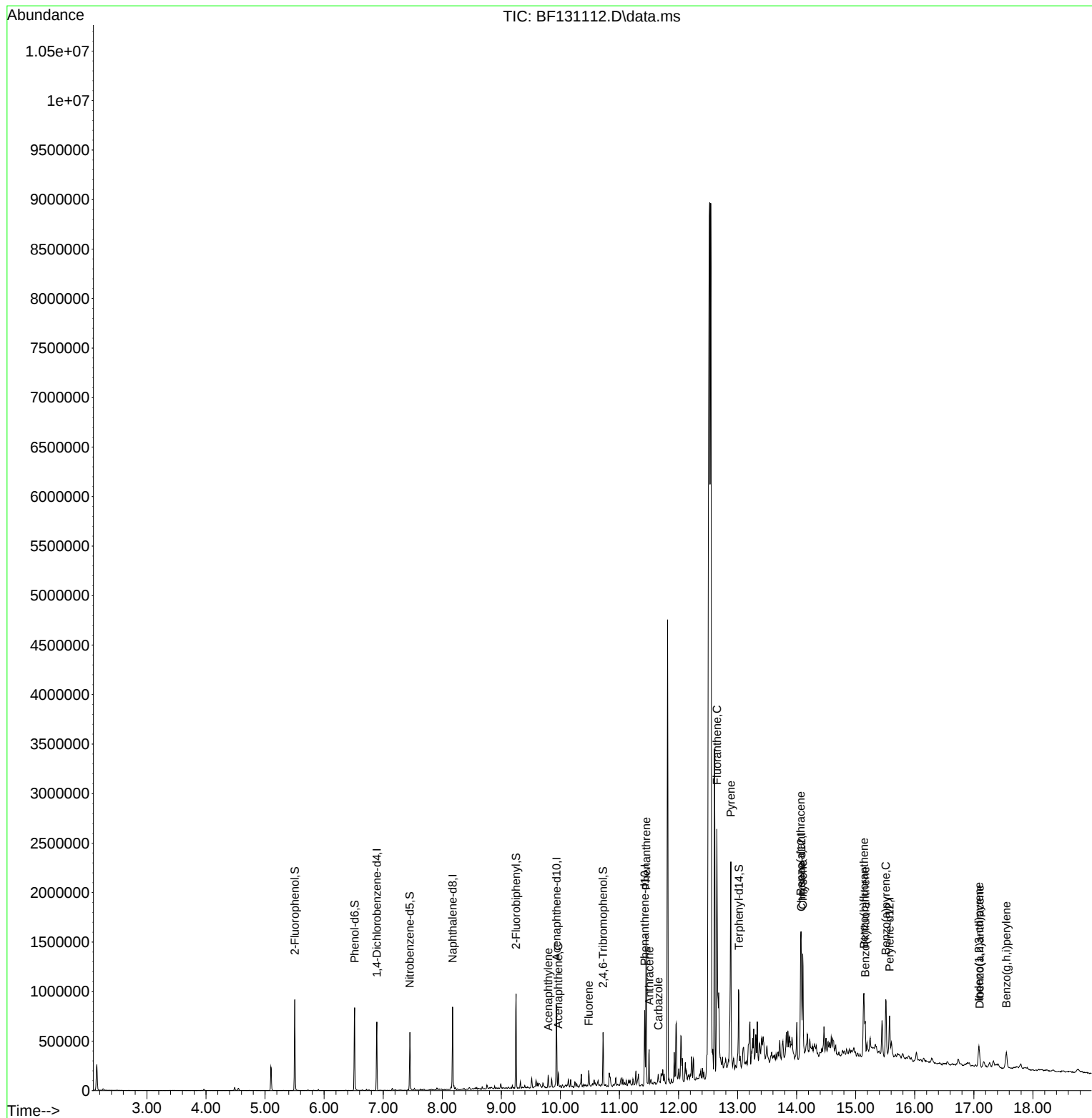
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
Data File : BF131112.D
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ALS Vial : 21 Sample Multiplier: 1

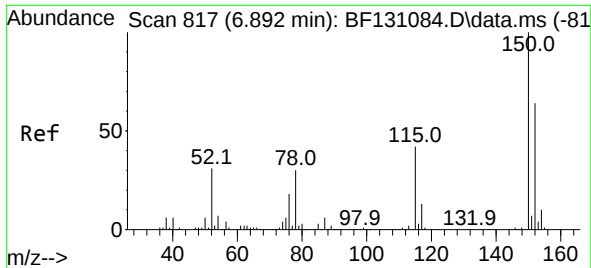
Instrument :
BNA_F
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HD-2-110722

Quant Time: Nov 10 04:37:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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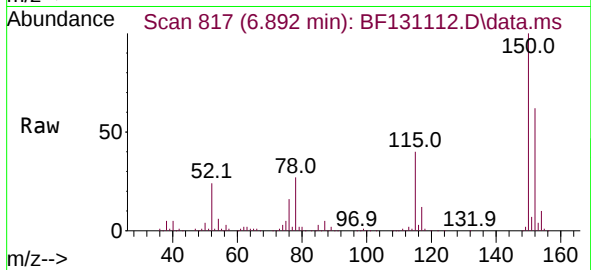
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

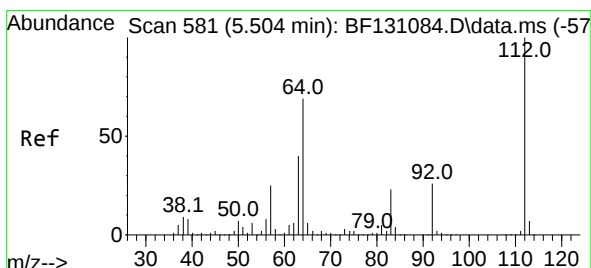
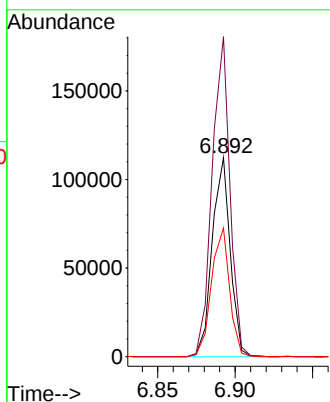
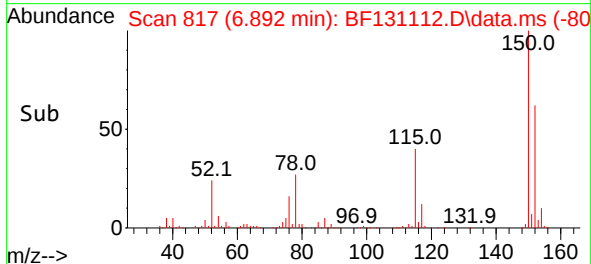
Instrument :
BNA_F
ClientSampleId :
HD-2-110722



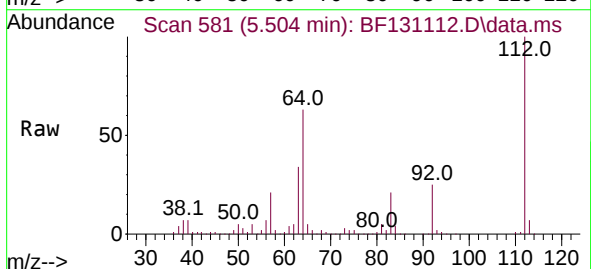
Tgt Ion:152 Resp: 90645
Ion Ratio Lower Upper
152 100
150 160.8 125.5 188.3
115 64.6 52.2 78.2

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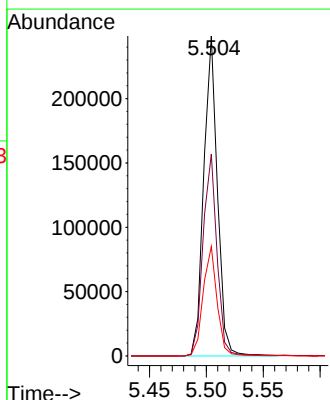
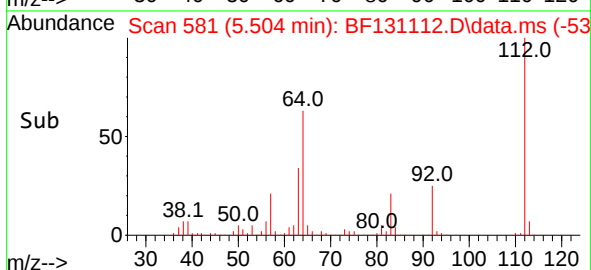
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

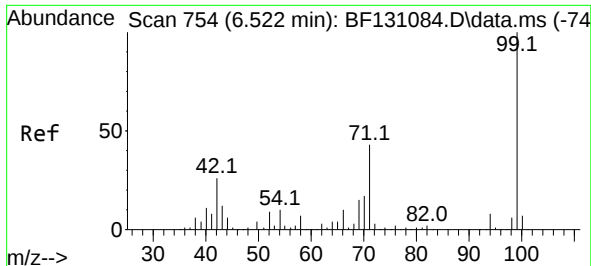


#5
2-Fluorophenol
Concen: 39.152 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02



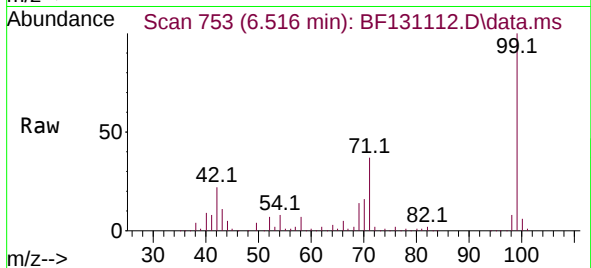
Tgt Ion:112 Resp: 208685
Ion Ratio Lower Upper
112 100
64 63.1 55.1 82.7
63 34.2 32.4 48.6





#7
Phenol-d6
Concen: 34.381 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

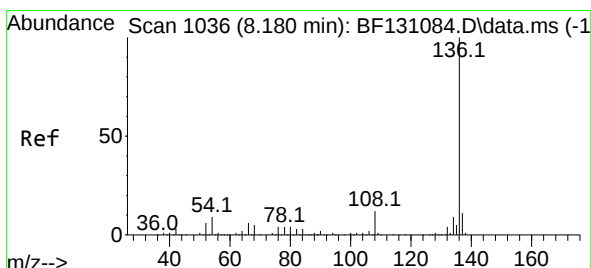
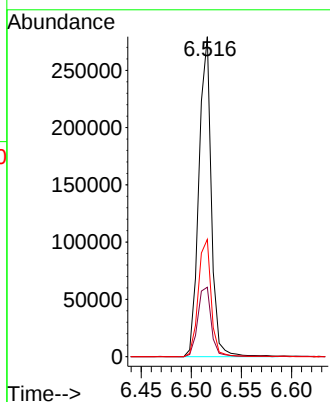
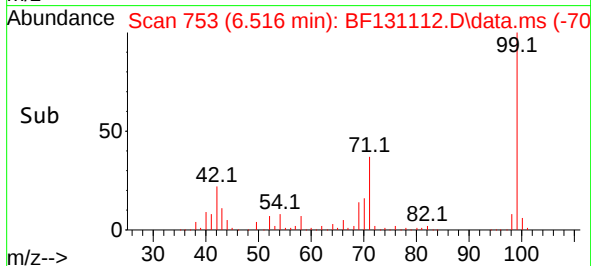
Instrument :
BNA_F
ClientSampleId :
HD-2-110722



Tgt Ion: 99 Resp: 239583
Ion Ratio Lower Upper
99 100
42 21.7 20.8 31.2
71 36.6 34.2 51.4

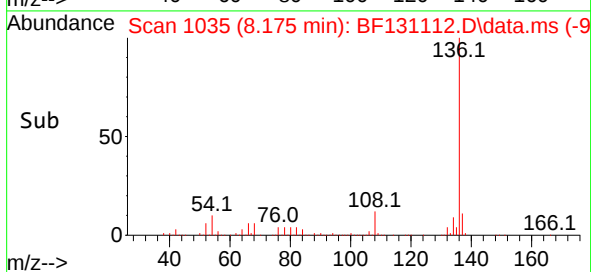
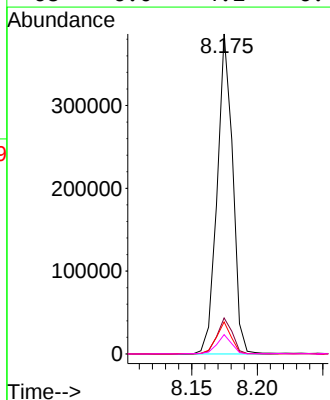
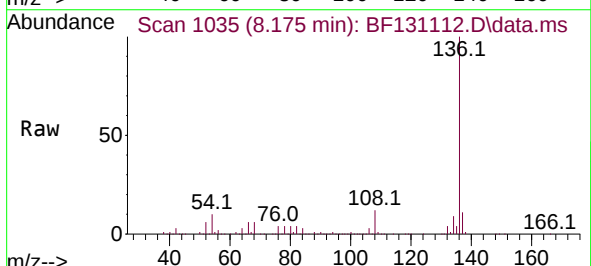
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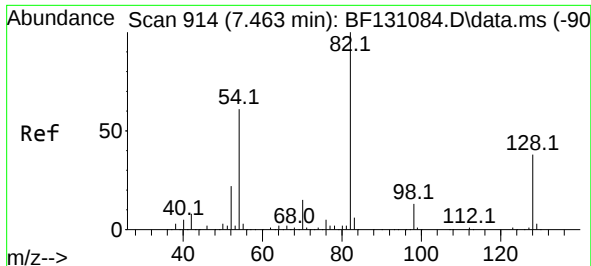
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:136 Resp: 319236
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 10.0 7.2 10.8
68 6.0 4.2 6.4





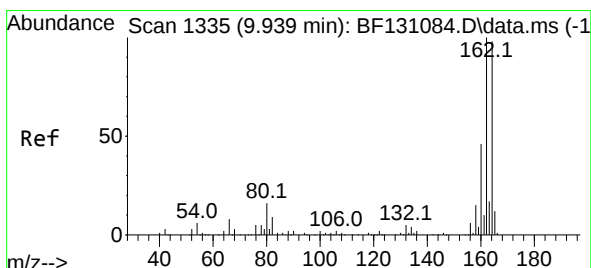
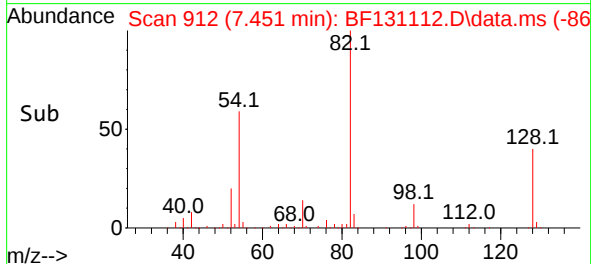
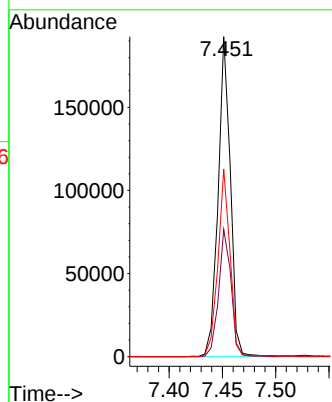
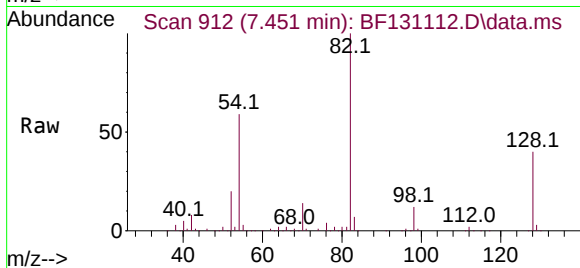
#23
Nitrobenzene-d5
Concen: 21.783 ng
RT: 7.451 min Scan# 914
Delta R.T. -0.012 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Instrument :
BNA_F
ClientSampleId :
HD-2-110722

Tgt Ion: 82 Resp: 154126
Ion Ratio Lower Upper
82 100
128 39.8 30.5 45.7
54 58.6 49.1 73.7

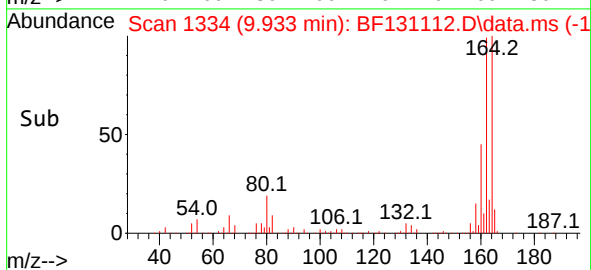
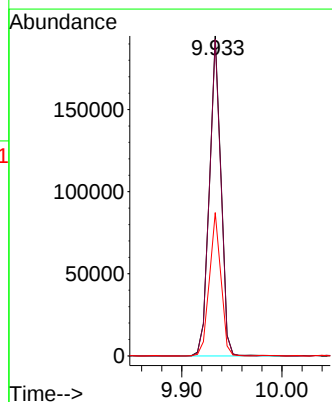
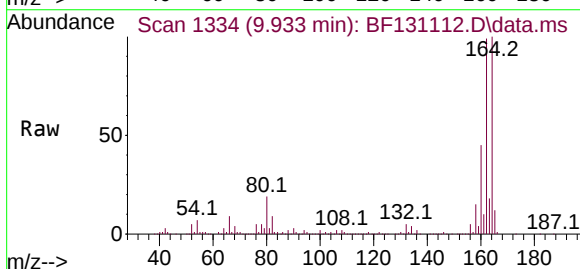
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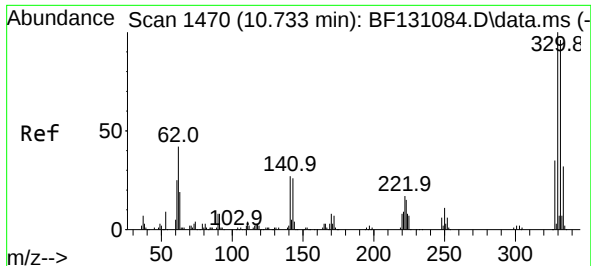
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:164 Resp: 155744
Ion Ratio Lower Upper
164 100
162 98.9 81.7 122.5
160 44.8 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 31.282 ng
RT: 10.722 min Scan# 1470
Delta R.T. -0.012 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

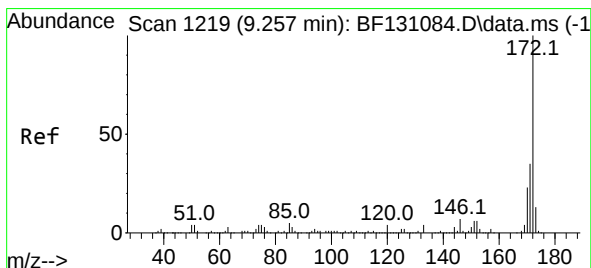
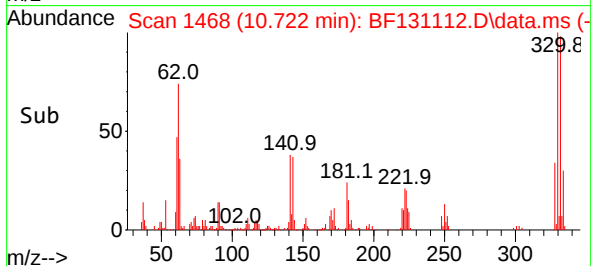
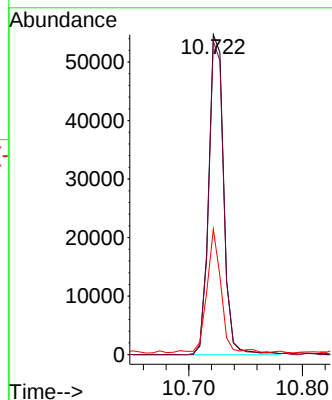
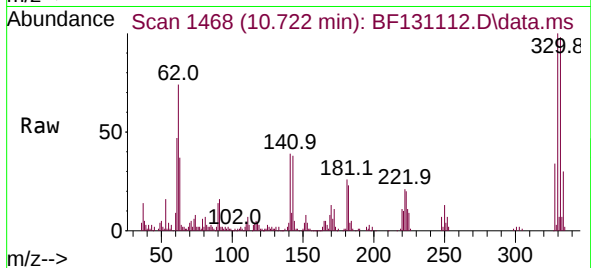
HD-2-110722

Tgt Ion: 330 Resp: 5035
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.4
141 35.2 28.5 42.7

Manual Integrations

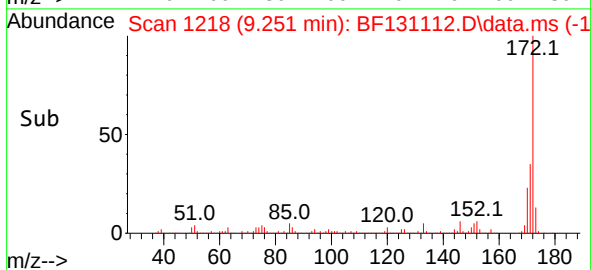
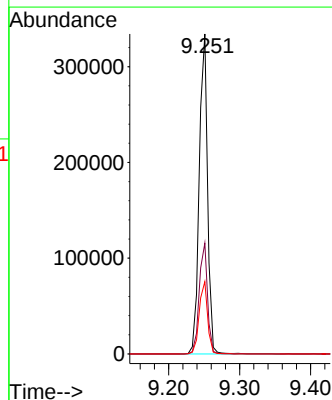
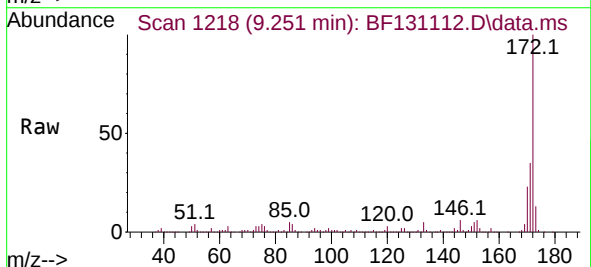
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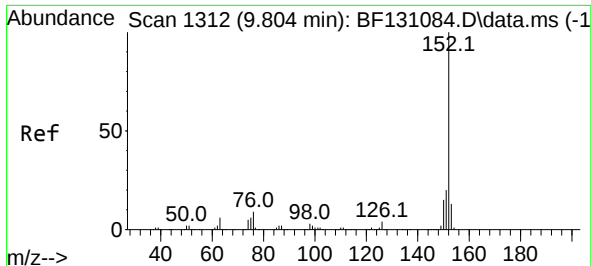
Reviewed By : Christian Giraldo 11/10/2022
Supervised By : Jagrut Upadhyay 11/10/2022



#45
2-Fluorobiphenyl
Concen: 24.369 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion: 172 Resp: 271874
Ion Ratio Lower Upper
172 100
171 34.6 27.7 41.5
170 22.6 18.8 28.2





#49

Acenaphthylene

Concen: 2.985 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

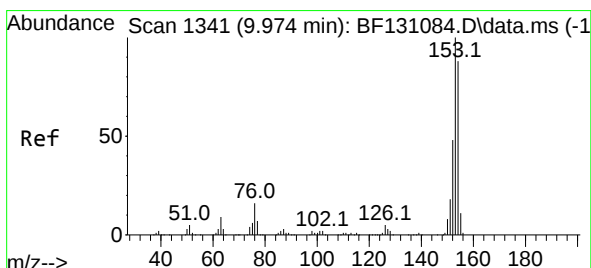
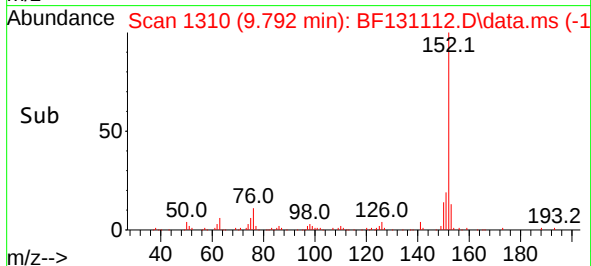
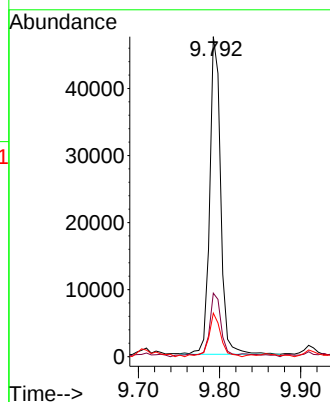
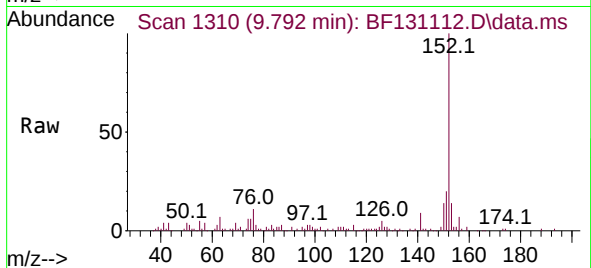
HD-2-110722

Tgt Ion:152 Resp: 44563
 Ion Ratio Lower Upper
 152 100
 151 19.8 16.0 24.0
 153 13.6 10.2 15.4

Manual Integrations

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



#52

Acenaphthene

Concen: 3.074 ng

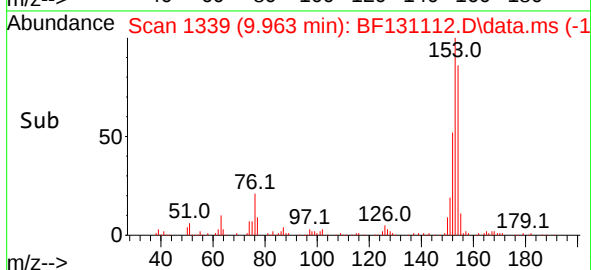
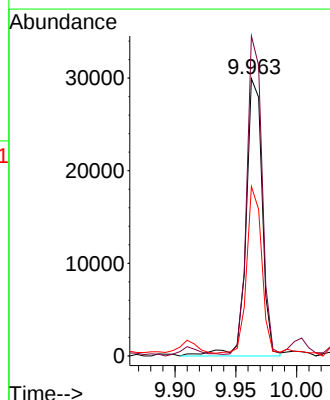
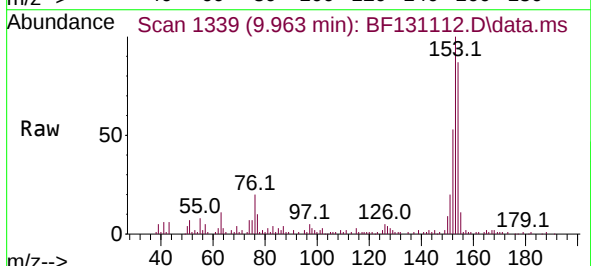
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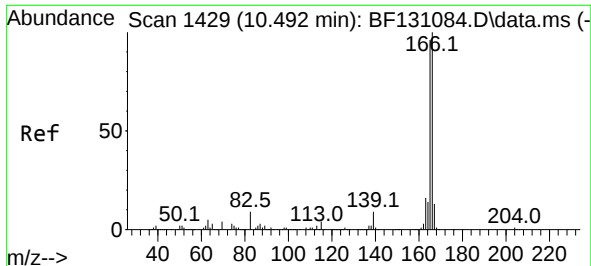
Delta R.T. -0.012 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

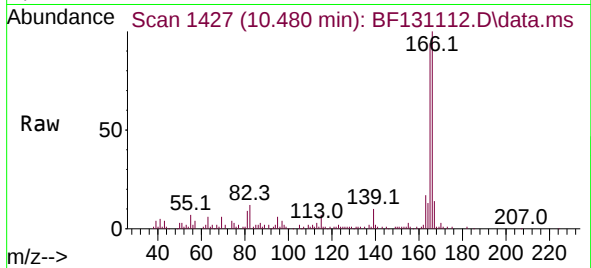
Tgt Ion:154 Resp: 27383
 Ion Ratio Lower Upper
 154 100
 153 115.4 90.8 136.2
 152 61.1 43.4 65.2





#58
Fluorene
Concen: 3.604 ng
RT: 10.480 min Scan# 1429
Delta R.T. -0.012 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

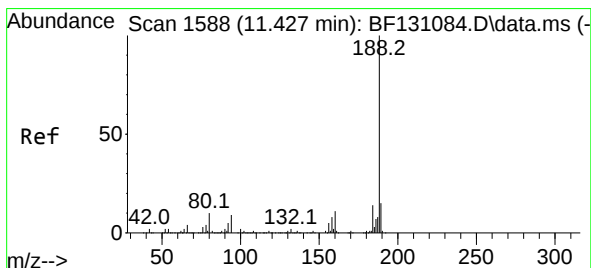
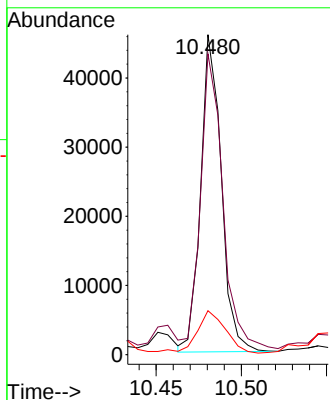
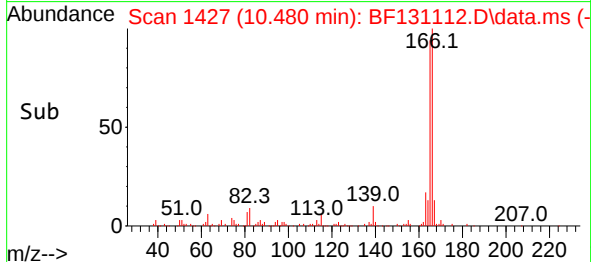
Instrument :
BNA_F
ClientSampleId :
HD-2-110722



Tgt Ion:166 Resp: 3860
Ion Ratio Lower Upper
166 100
165 94.0 77.2 115.8
167 13.7 10.2 15.4

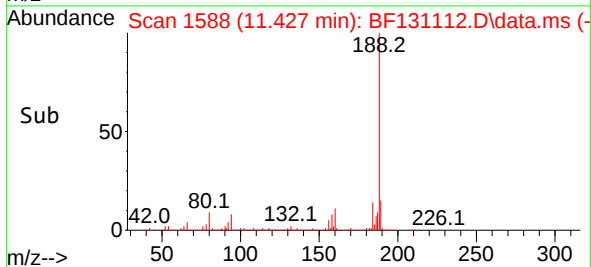
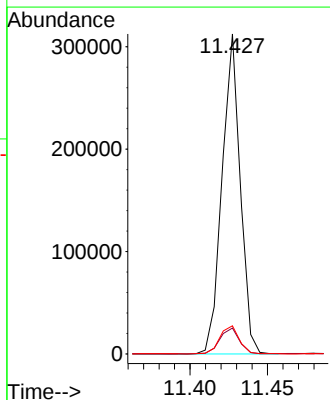
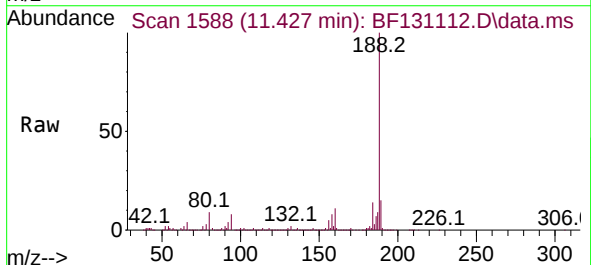
Manual Integrations
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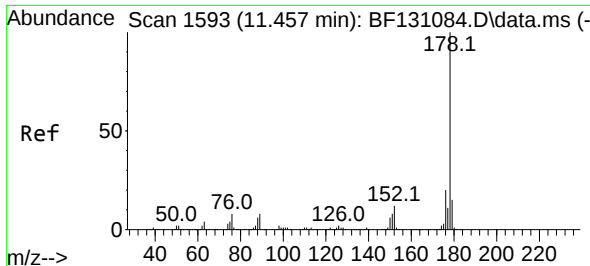
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:188 Resp: 254868
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 8.8 7.9 11.9





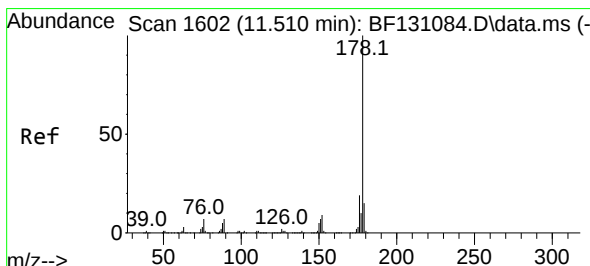
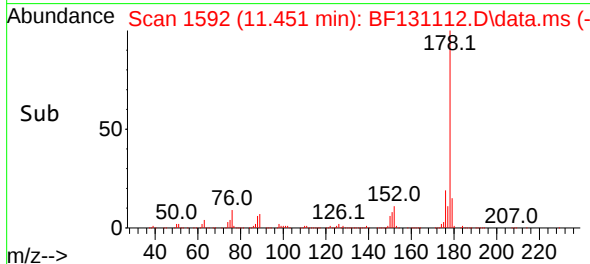
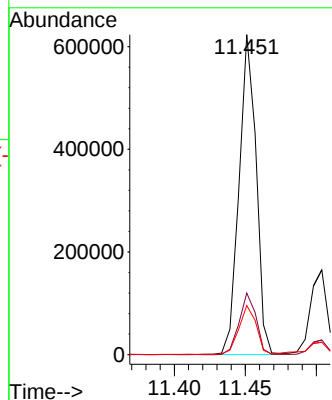
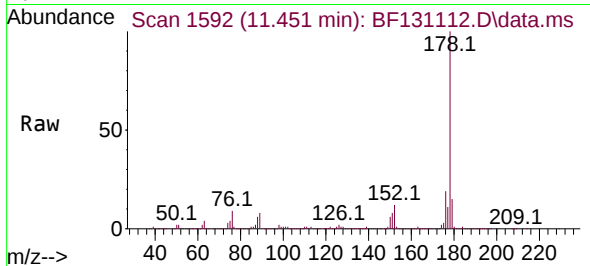
#71
Phenanthrene
Concen: 37.113 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Instrument :
BNA_F
ClientSampleId :
HD-2-110722

Tgt Ion:178 Resp: 520238
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.4 12.2 18.2

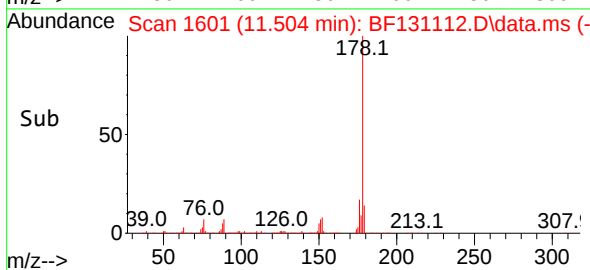
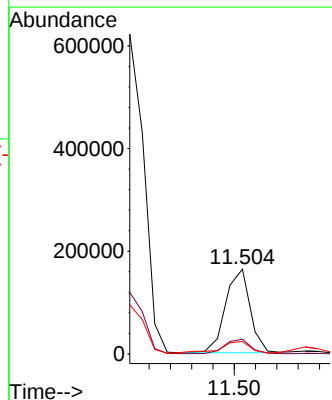
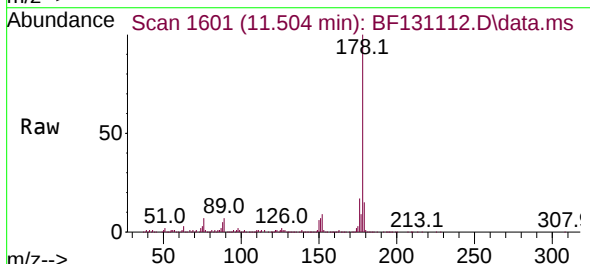
Manual Integrations
APPROVED

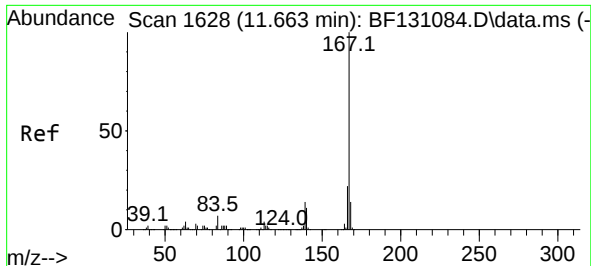
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#72
Anthracene
Concen: 9.595 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

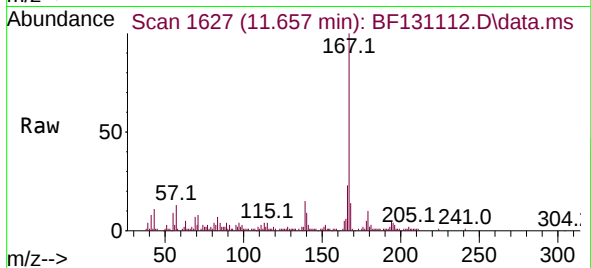
Tgt Ion:178 Resp: 130544
Ion Ratio Lower Upper
178 100
176 17.3 15.0 22.6
179 14.6 11.8 17.8





#73
 Carbazole
 Concen: 2.325 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. -0.006 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

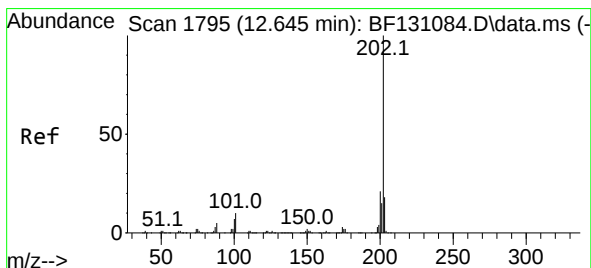
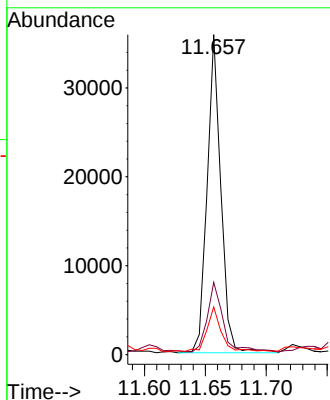
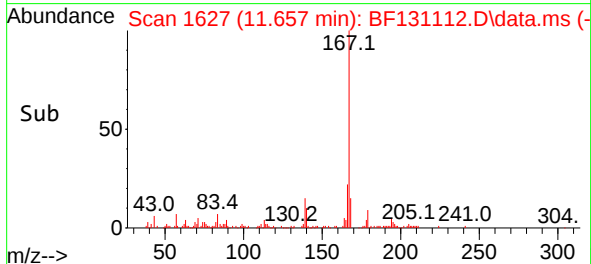
Instrument :
 BNA_F
 ClientSampleId :
 HD-2-110722



Tgt Ion:167 Resp: 2812
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.6 26.4
 139 14.9 10.8 16.2

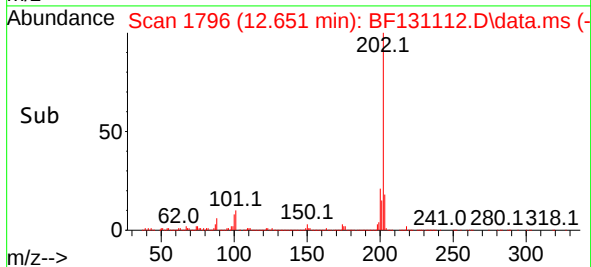
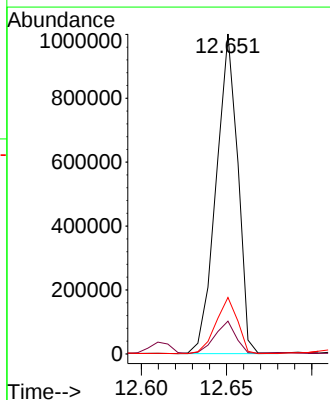
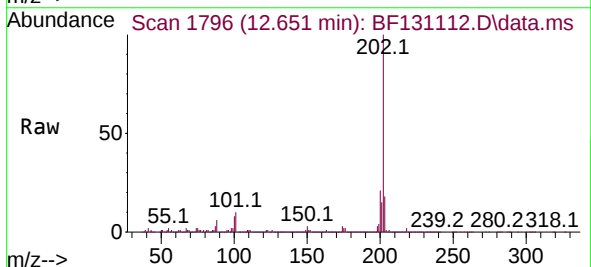
Manual Integrations
 APPROVED

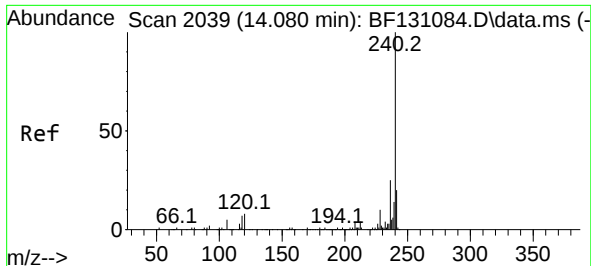
Reviewed By :Christian Giraldo 11/10/2022
 Supervised By :Jagrut Upadhyay 11/10/2022



#75
 Fluoranthene
 Concen: 62.849 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. 0.006 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

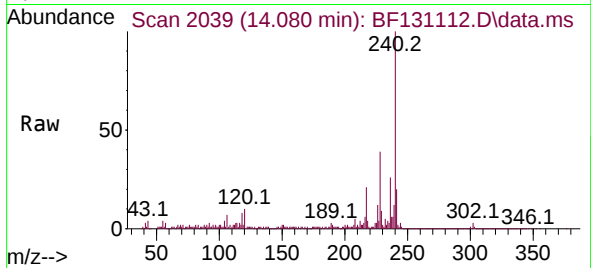
Tgt Ion:202 Resp: 881860
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.0
 203 17.6 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

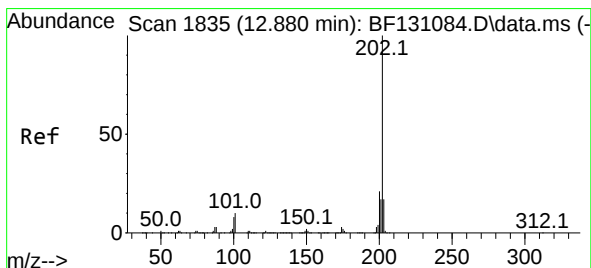
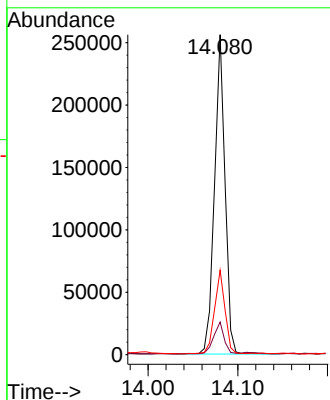
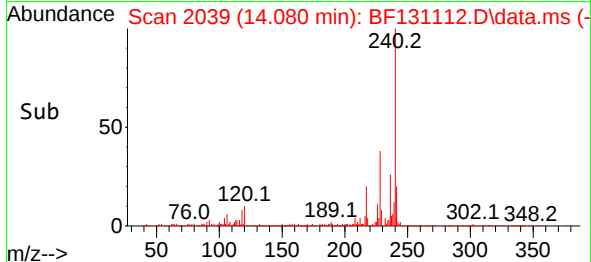
Instrument :
BNA_F
ClientSampleId :
HD-2-110722



Tgt Ion:240 Resp: 209615
Ion Ratio Lower Upper
240 100
120 10.2 6.5 9.7
236 26.4 19.7 29.5

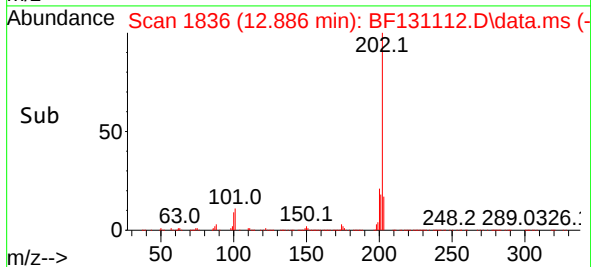
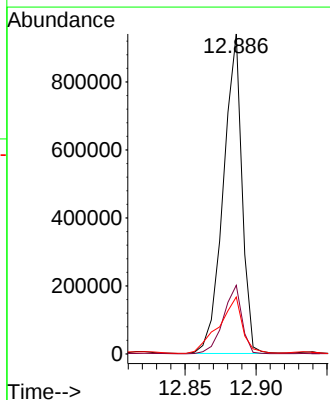
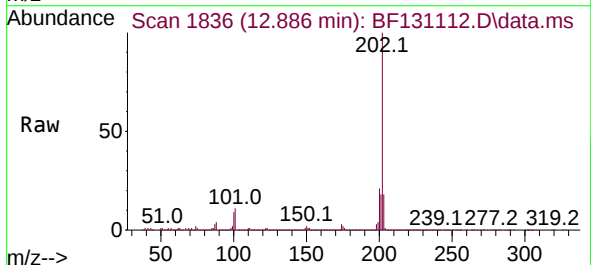
Manual Integrations
APPROVED

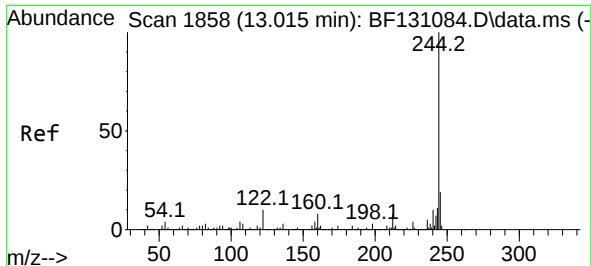
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#78
Pyrene
Concen: 47.625 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:202 Resp: 856489
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 17.8 13.6 20.4





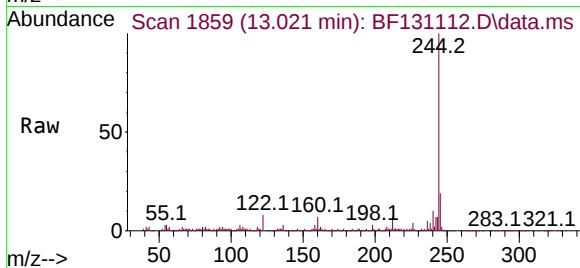
#79
Terphenyl-d14
Concen: 22.110 ng
RT: 13.021 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

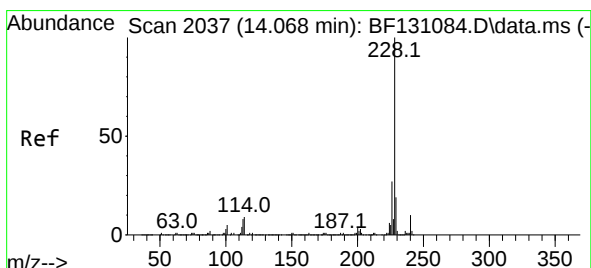
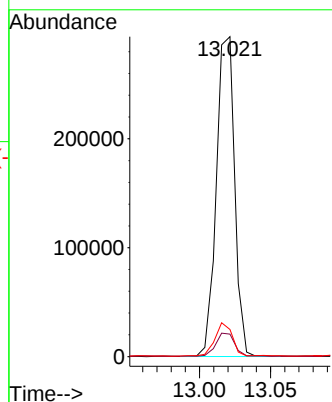
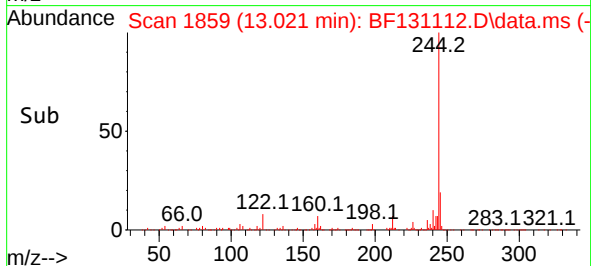


Tgt Ion:244 Resp: 264334
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.2
122 8.5 7.8 11.8

Manual Integrations

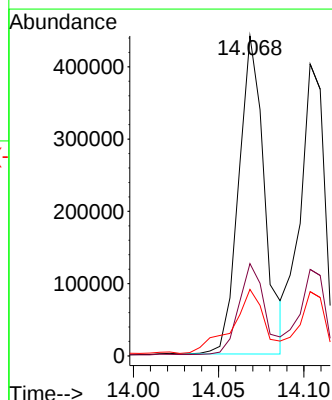
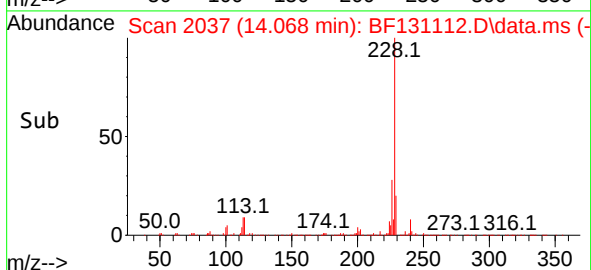
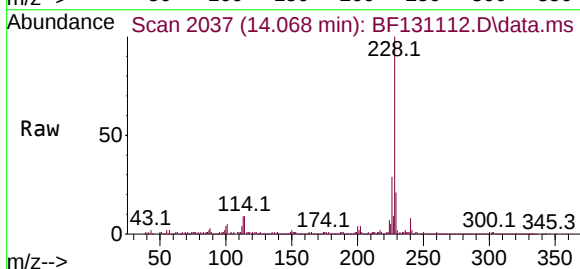
APPROVED

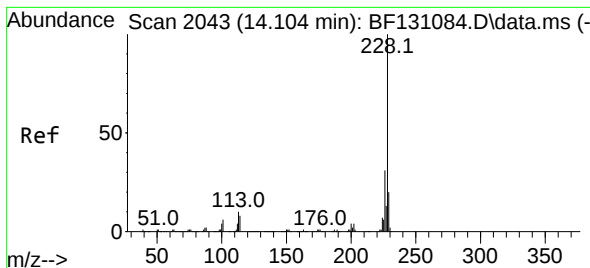
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#81
Benzo(a)anthracene
Concen: 30.799 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:228 Resp: 461444
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.6
229 20.8 15.4 23.2





#83

Chrysene

Concen: 28.427 ng

RT: 14.104 min Scan# 2043

Delta R.T. -0.000 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

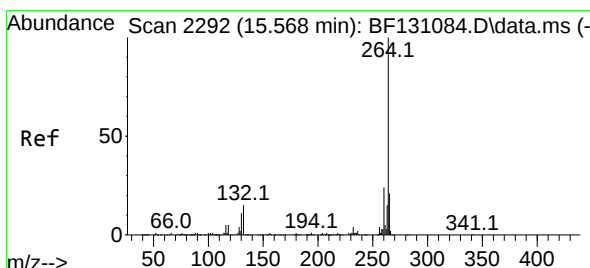
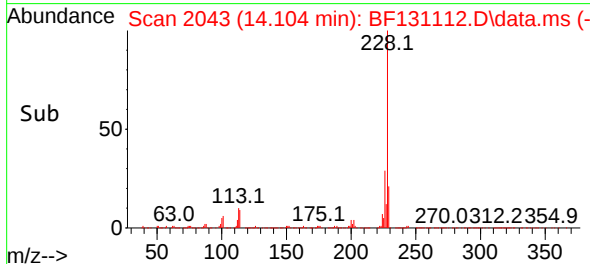
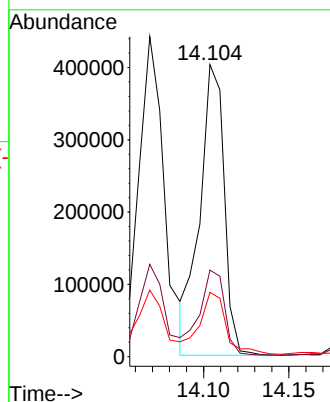
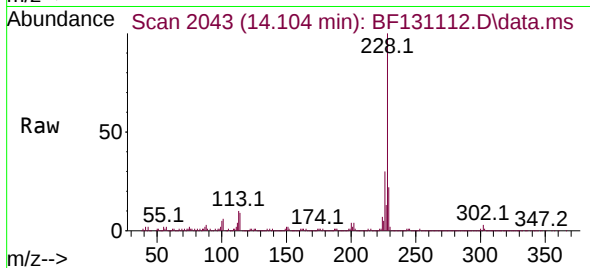
Tgt Ion:	228	Resp:	402237
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.4	36.6
229	22.0	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/10/2022

Supervised By :Jagrut Upadhyay 11/10/2022



#86

Perylene-d12

Concen: 20.000 ng

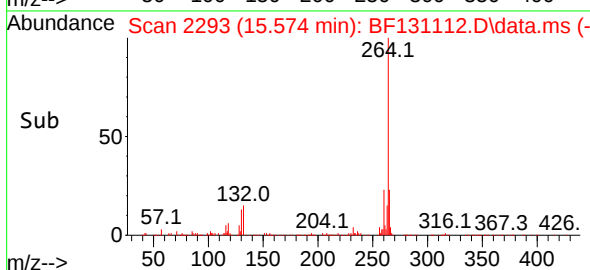
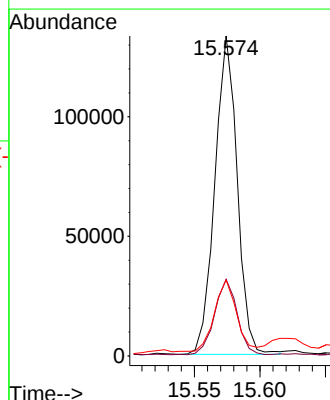
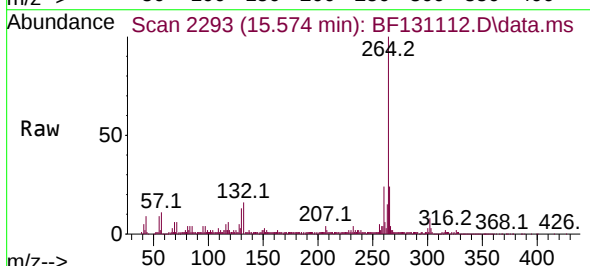
RT: 15.574 min Scan# 2293

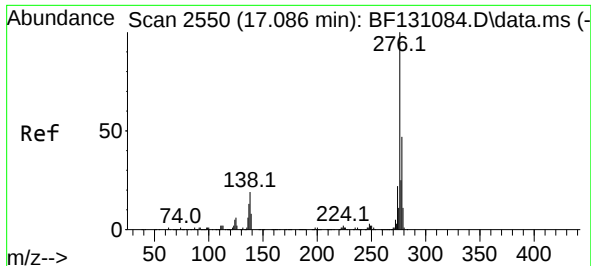
Delta R.T. 0.006 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Tgt Ion:	264	Resp:	158372
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.1	28.7
265	23.7	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 13.904 ng
RT: 17.086 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

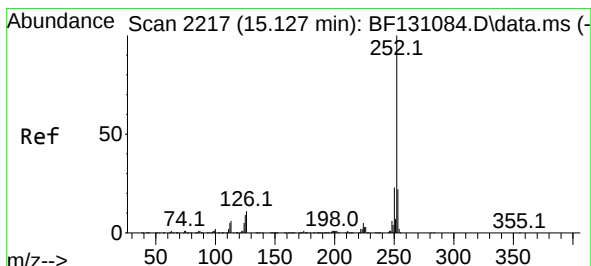
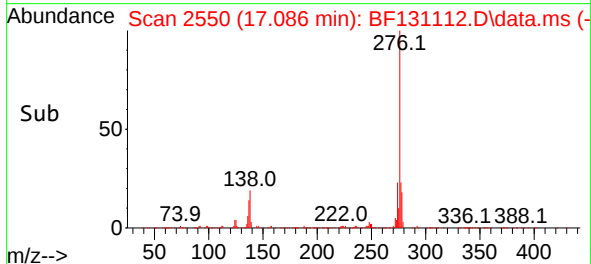
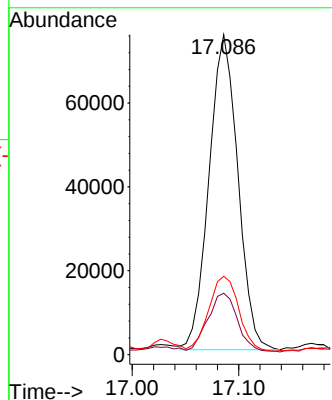
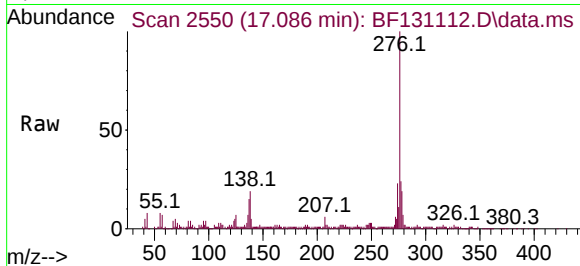
ClientSampleId :

HD-2-110722

Tgt Ion:276 Resp: 141478
Ion Ratio Lower Upper
276 100
138 19.3 16.9 25.3
277 24.9 20.3 30.5

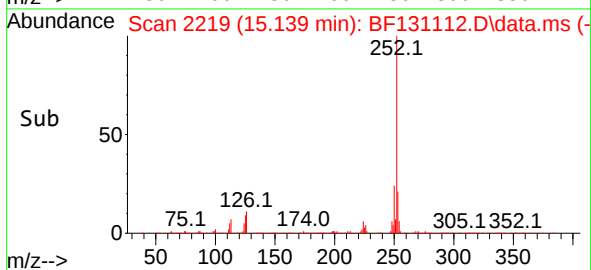
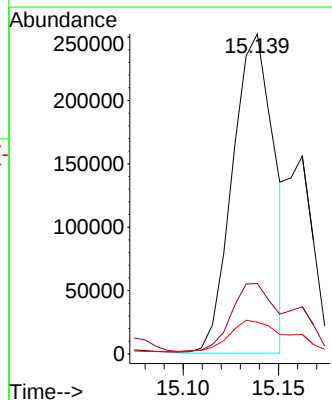
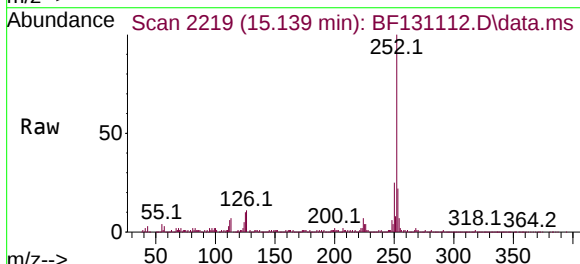
Manual Integrations
APPROVED

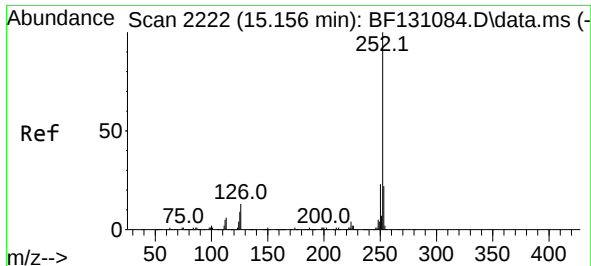
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#88
Benzo(b)fluoranthene
Concen: 34.144 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:252 Resp: 382310
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 9.9 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 13.664 ng m

RT: 15.162 min Scan# 2222

Delta R.T. 0.006 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

Tgt Ion:252 Resp: 147055

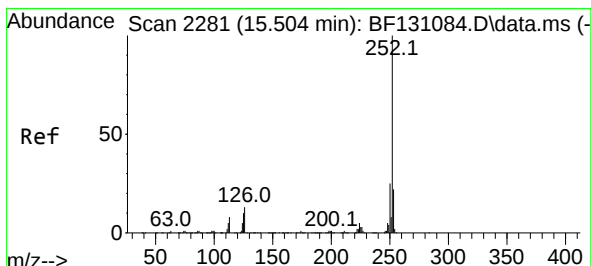
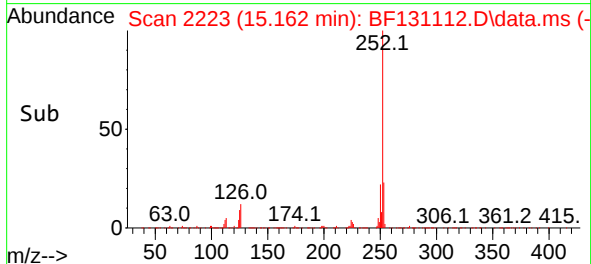
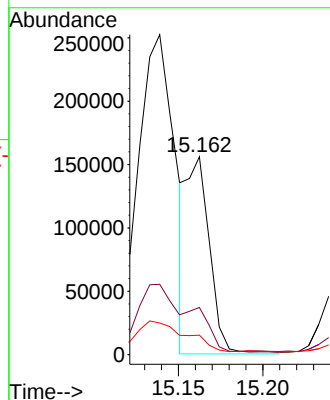
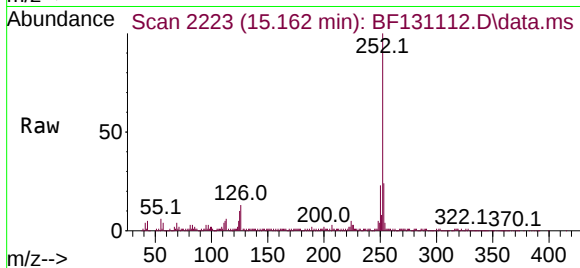
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	9.8	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/10/2022

Supervised By :Jagrut Upadhyay 11/10/2022



#90

Benzo(a)pyrene

Concen: 30.880 ng

RT: 15.509 min Scan# 2282

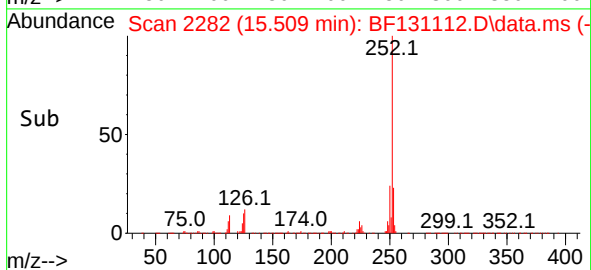
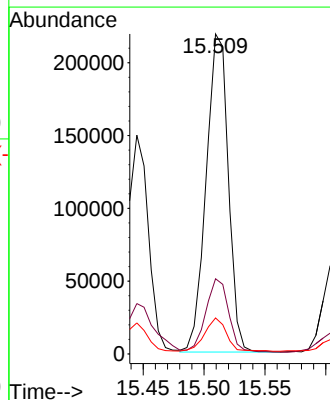
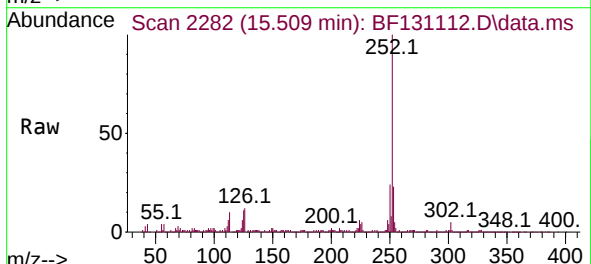
Delta R.T. 0.005 min

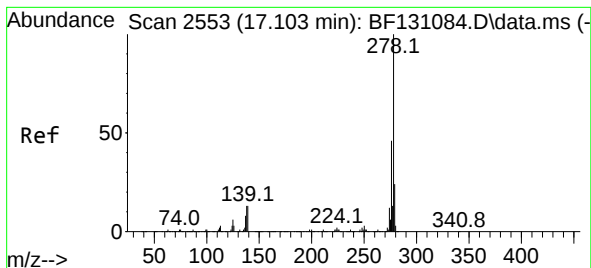
Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Tgt Ion:252 Resp: 277204

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.2	8.1	12.1





#91

Dibenzo(a,h)anthracene

Concen: 7.058 ng

RT: 17.098 min Scan# 2553

Delta R.T. -0.005 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

Tgt Ion:278 Resp: 36735

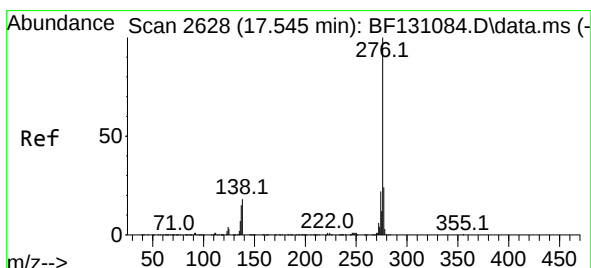
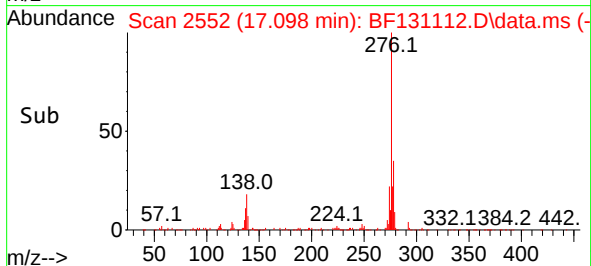
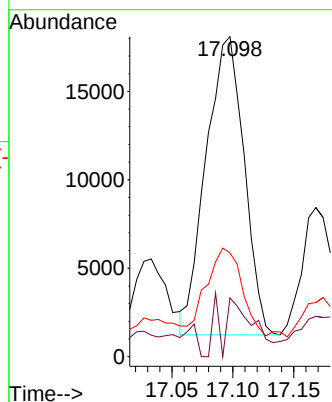
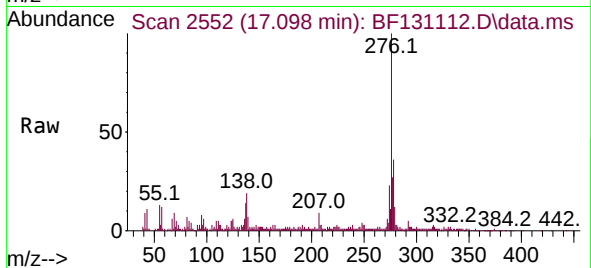
Ion	Ratio	Lower	Upper
278	100		
139	18.3	10.8	16.2
279	32.4	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/10/2022

Supervised By :Jagrut Upadhyay 11/10/2022



#92

Benzo(g,h,i)perylene

Concen: 15.446 ng

RT: 17.551 min Scan# 2629

Delta R.T. 0.006 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Tgt Ion:276 Resp: 135758

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	18.9	14.6	21.8

