

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
 Data File : BF128213.D
 Acq On : 12 May 2022 00:08
 Operator : CG\JU
 Sample : N2776-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-280MER-8-15

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/12/2022
 Supervised By : Jagrut Upadhyay 05/12/2022

Quant Time: May 12 06:02:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	72419	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	253468	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	125996	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	192405	20.000	ng	0.00
76) Chrysene-d12	14.080	240	142329	20.000	ng	0.00
86) Perylene-d12	15.580	264	106430	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	406356	89.450	ng	0.00
7) Phenol-d6	6.528	99	528290	87.922	ng	0.00
23) Nitrobenzene-d5	7.457	82	372813	66.183	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	112372	77.765	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	566347	70.332	ng	0.00
79) Terphenyl-d14	13.015	244	481180	63.437	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.798	152	25328	2.463	ng	# 93
52) Acenaphthene	9.969	154	24938	3.498	ng	94
55) Dibenzofuran	10.139	168	33281	3.288	ng	97
58) Fluorene	10.486	166	38520m	4.885	ng	
71) Phenanthrene	11.451	178	360308	37.608	ng	100
72) Anthracene	11.504	178	114331	11.953	ng	99
73) Carbazole	11.657	167	21229	2.334	ng	98
75) Fluoranthene	12.651	202	552160	53.160	ng	95
78) Pyrene	12.880	202	504308	48.867	ng	100
81) Benzo(a)anthracene	14.068	228	232279	25.550	ng	94
83) Chrysene	14.104	228	209958m	24.205	ng	
87) Indeno(1,2,3-cd)pyrene	17.103	276	79648	12.371	ng	# 93
88) Benzo(b)fluoranthene	15.139	252	214350m	32.489	ng	
89) Benzo(k)fluoranthene	15.162	252	54085m	8.305	ng	
90) Benzo(a)pyrene	15.515	252	142835	26.817	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	20969	4.023	ng	# 80
92) Benzo(g,h,i)perylene	17.574	276	77287	14.645	ng	96

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

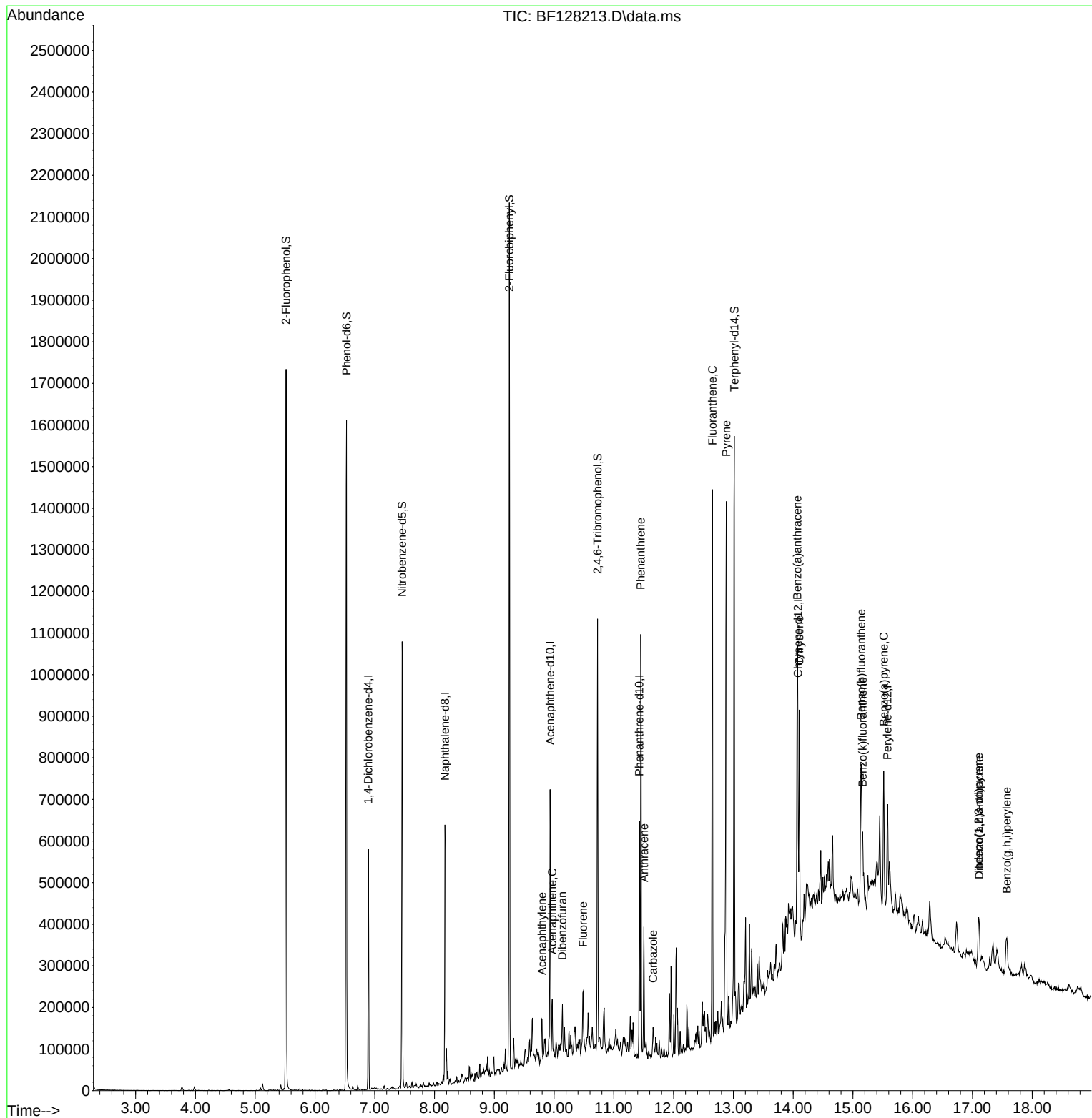
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
Data File : BF128213.D
Acq On : 12 May 2022 00:08
Operator : CG\JU
Sample : N2776-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

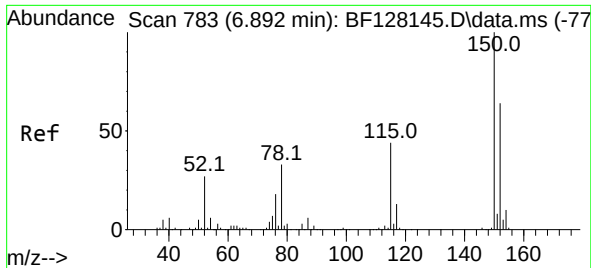
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/12/2022
Supervised By : Jagrut Upadhyay 05/12/2022

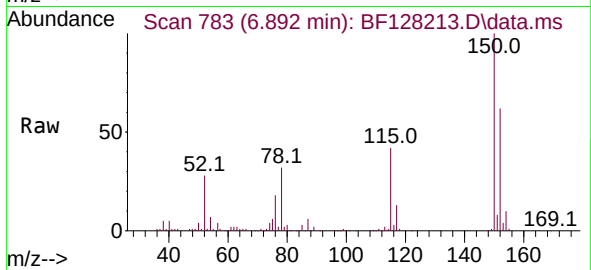
Quant Time: May 12 06:02:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 15:30:11 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

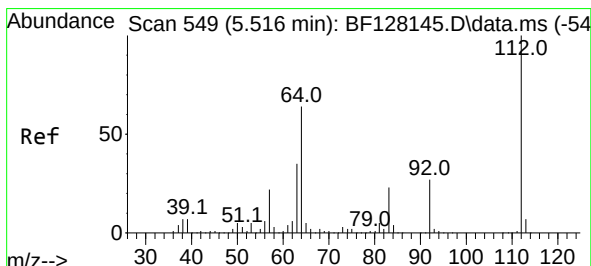
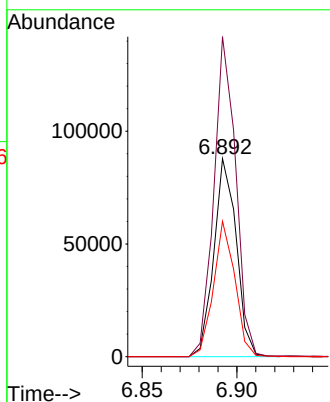
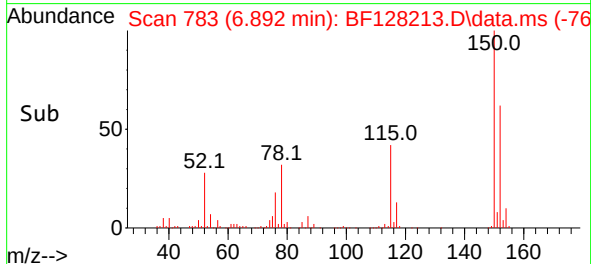
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



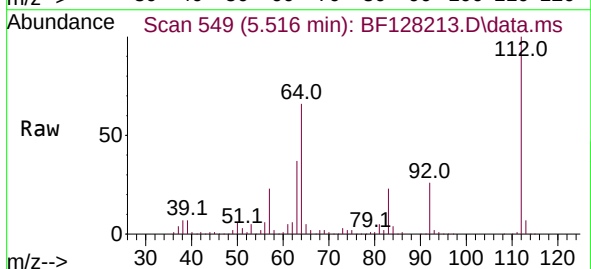
Tgt Ion:152 Resp: 72419
Ion Ratio Lower Upper
152 100
150 161.6 125.3 187.9
115 68.3 48.8 73.2

Manual Integrations
APPROVED

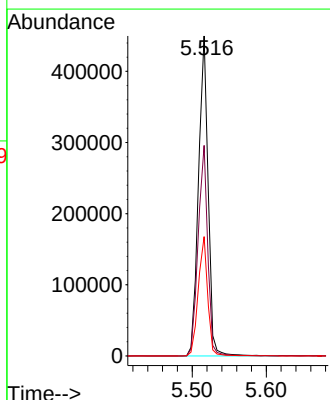
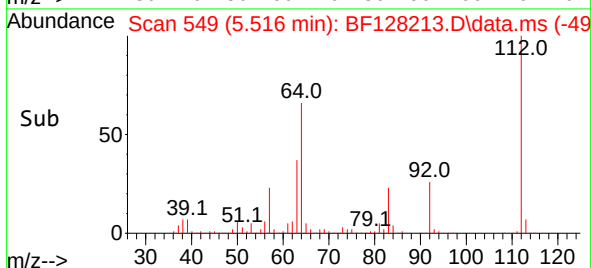
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

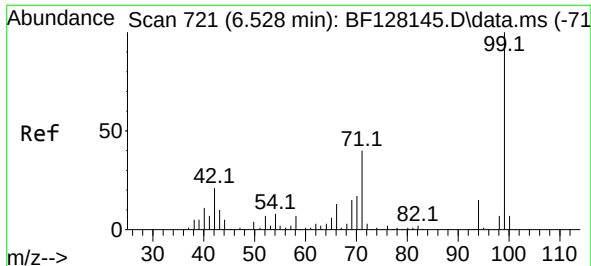


#5
2-Fluorophenol
Concen: 89.450 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



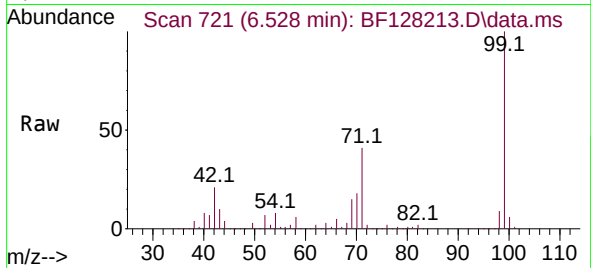
Tgt Ion:112 Resp: 406356
Ion Ratio Lower Upper
112 100
64 65.8 49.5 74.3
63 37.3 26.3 39.5





#7
Phenol-d6
Concen: 87.922 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

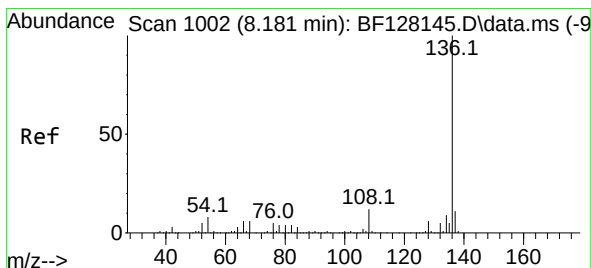
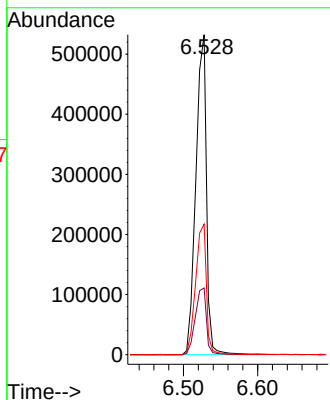
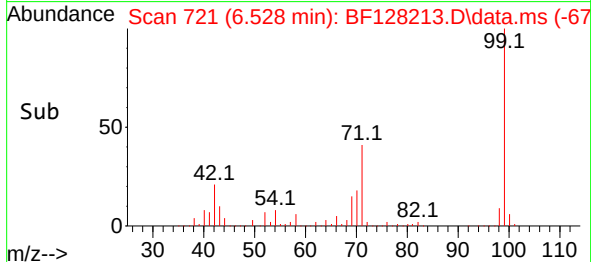
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



Tgt Ion: 99 Resp: 528290
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 40.8 30.0 45.0

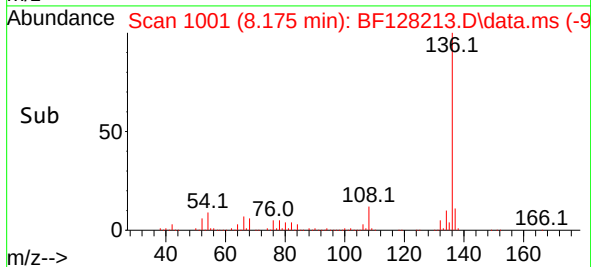
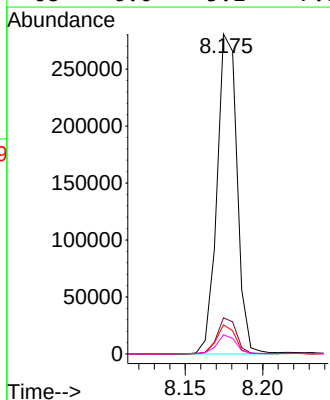
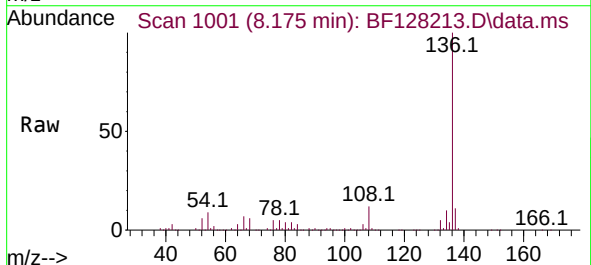
Manual Integrations
APPROVED

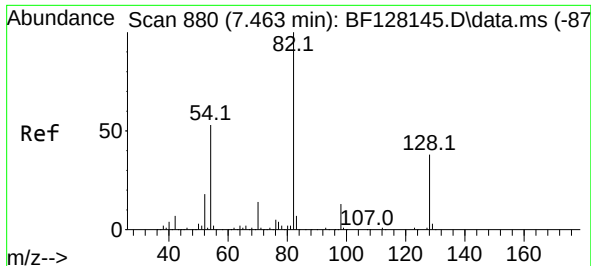
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

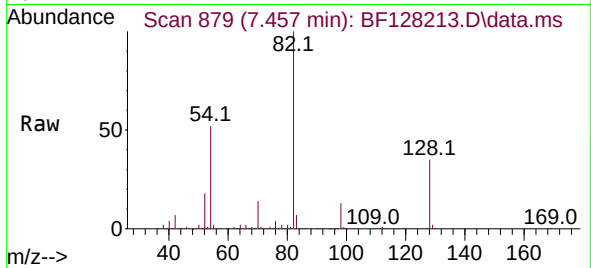
Tgt Ion:136 Resp: 253468
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.1 6.8 10.2
68 6.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 66.183 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

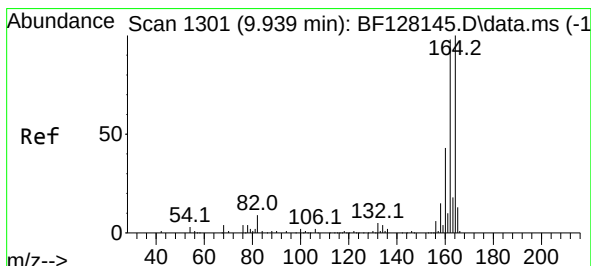
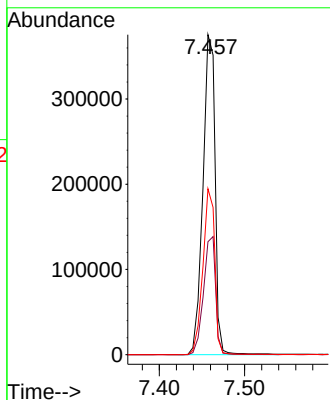
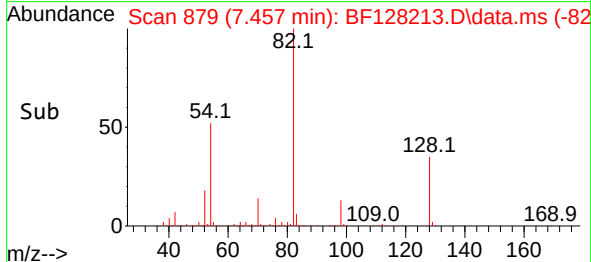
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



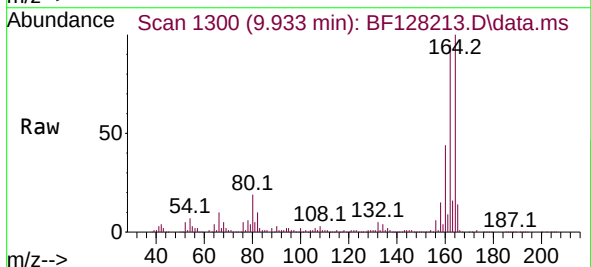
Tgt Ion: 82 Resp: 37281
Ion Ratio Lower Upper
82 100
128 35.3 30.0 45.0
54 51.8 41.3 61.9

Manual Integrations
APPROVED

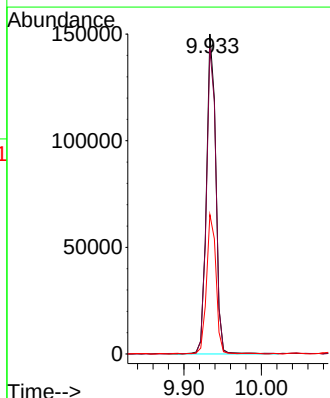
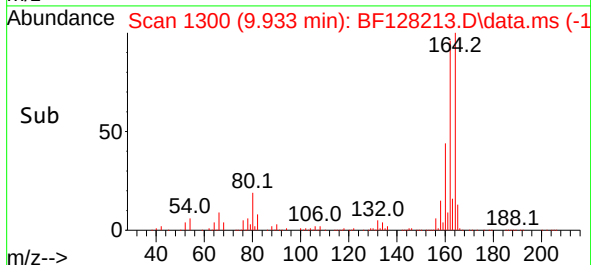
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

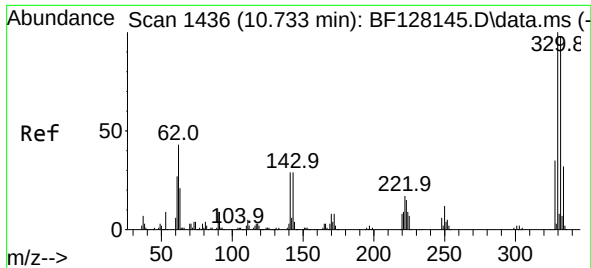


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



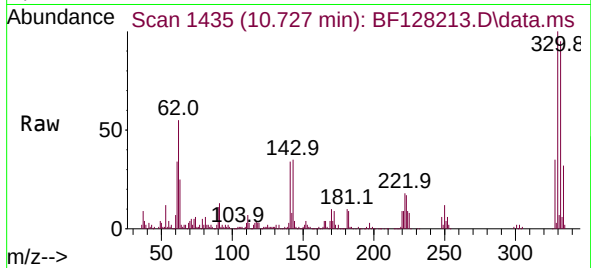
Tgt Ion:164 Resp: 125996
Ion Ratio Lower Upper
164 100
162 95.4 76.0 114.0
160 43.5 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 77.765 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

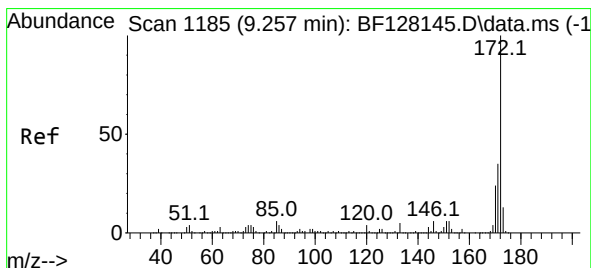
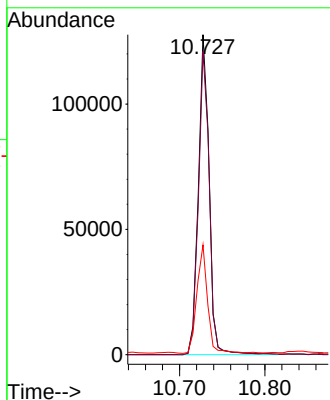
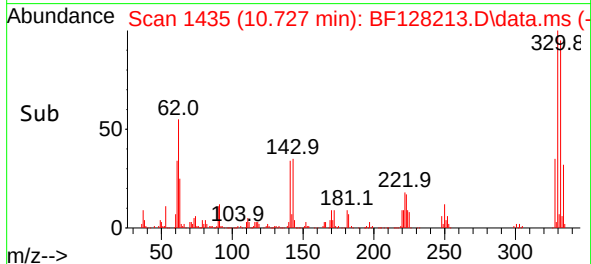
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



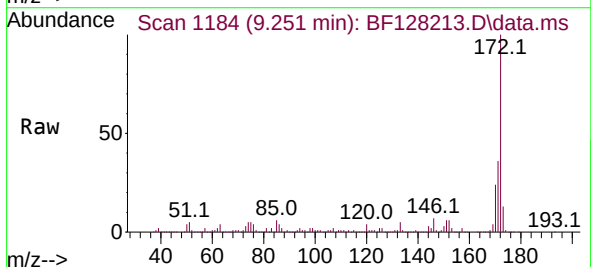
Tgt Ion:330 Resp: 112372
Ion Ratio Lower Upper
330 100
332 95.3 79.0 118.4
141 33.6 28.9 43.3

Manual Integrations
APPROVED

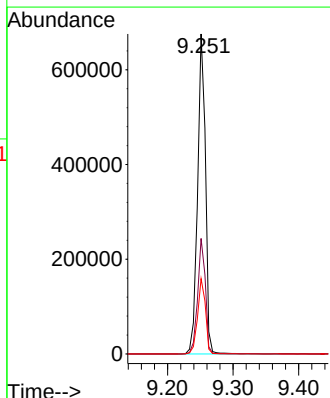
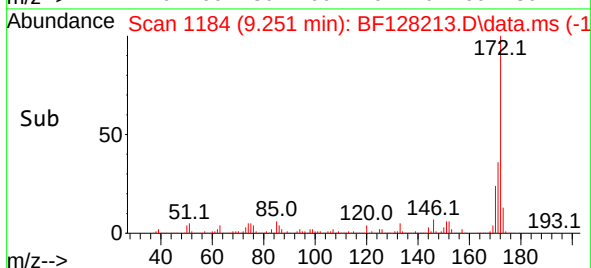
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

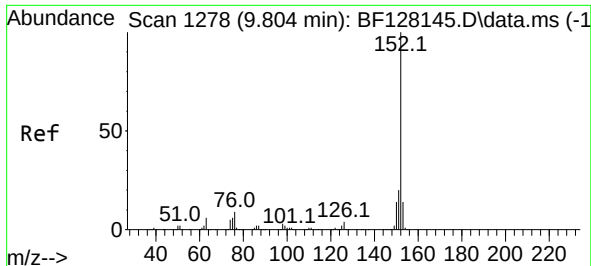


#45
2-Fluorobiphenyl
Concen: 70.332 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



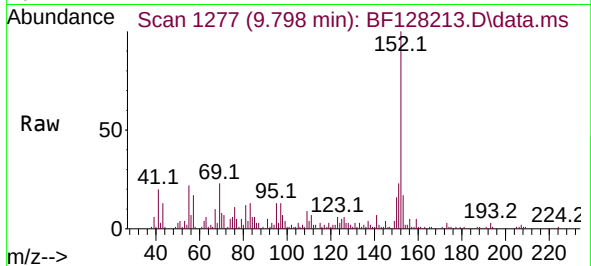
Tgt Ion:172 Resp: 566347
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 23.6 19.1 28.7





#49
Acenaphthylene
Concen: 2.463 ng
RT: 9.798 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

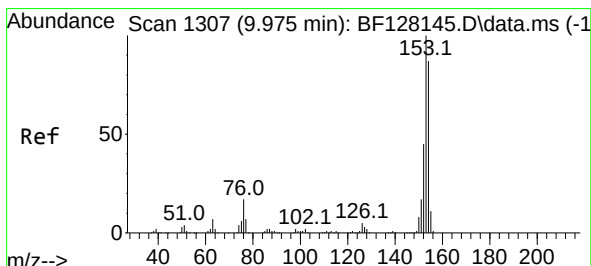
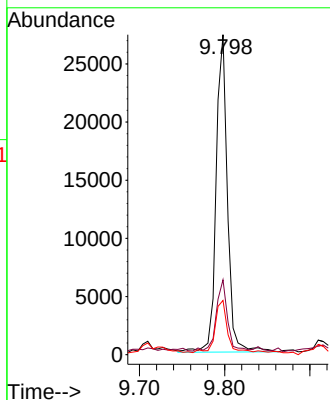
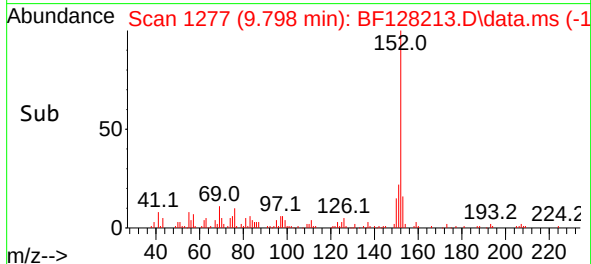
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



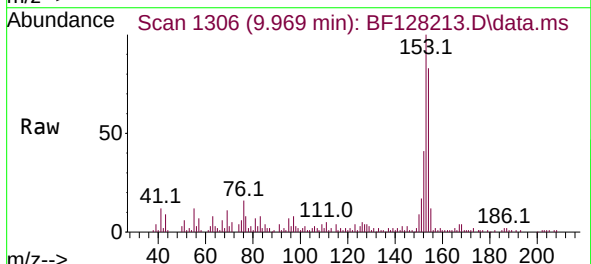
Tgt Ion:152 Resp: 25328
Ion Ratio Lower Upper
152 100
151 23.4 16.2 24.2
153 16.9 11.2 16.8

Manual Integrations
APPROVED

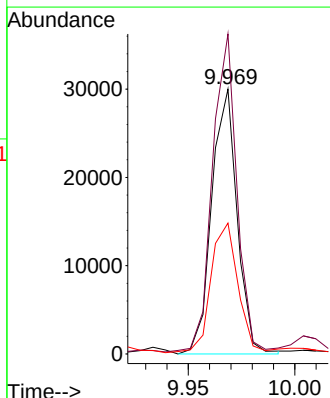
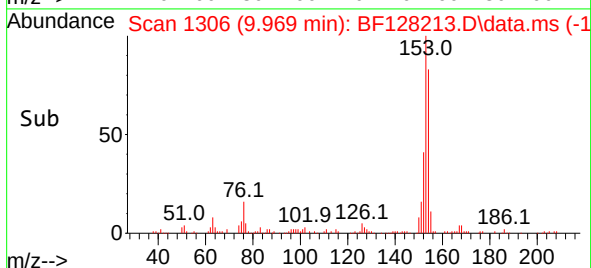
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

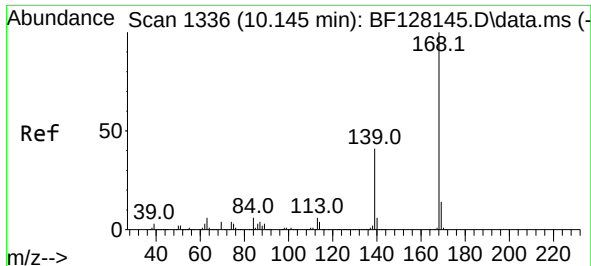


#52
Acenaphthene
Concen: 3.498 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



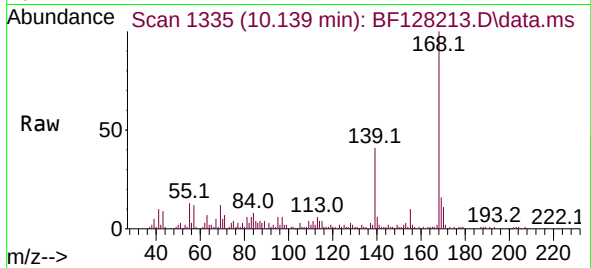
Tgt Ion:154 Resp: 24938
Ion Ratio Lower Upper
154 100
153 120.9 90.5 135.7
152 49.4 41.0 61.6





#55
Dibenzenofuran
Concen: 3.288 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

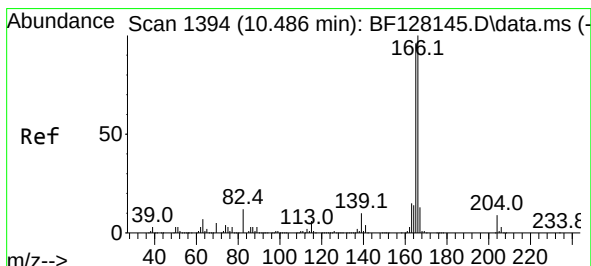
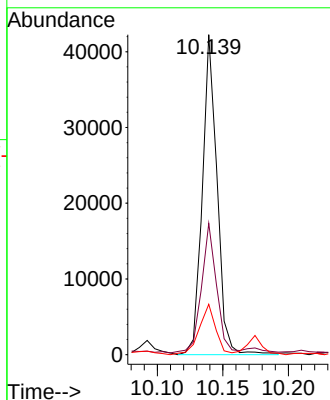
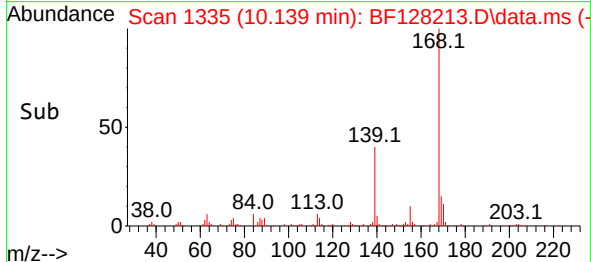
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



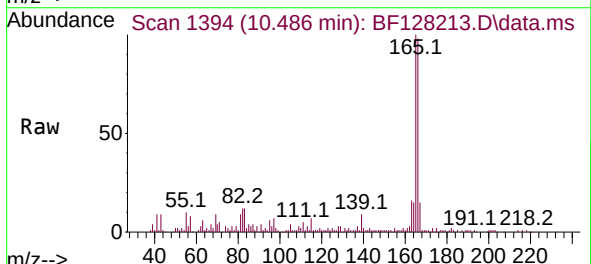
Tgt Ion:168 Resp: 3328
Ion Ratio Lower Upper
168 100
139 41.0 31.7 47.5
169 15.8 10.9 16.3

Manual Integrations
APPROVED

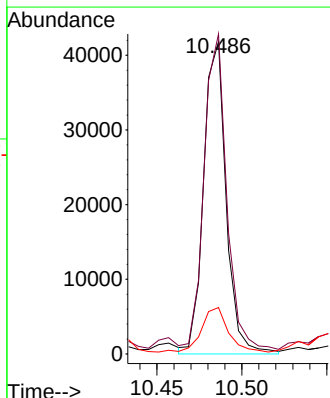
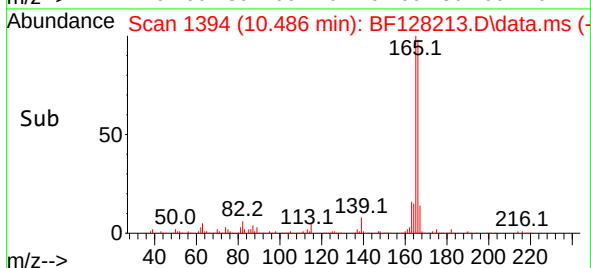
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

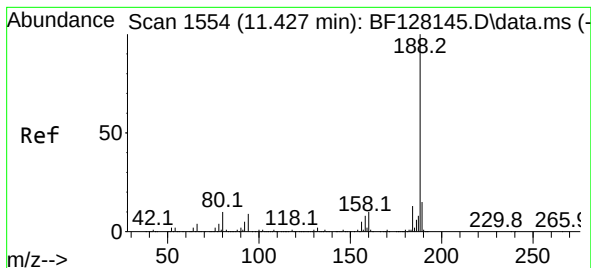


#58
Fluorene
Concen: 4.885 ng m
RT: 10.486 min Scan# 1394
Delta R.T. -0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



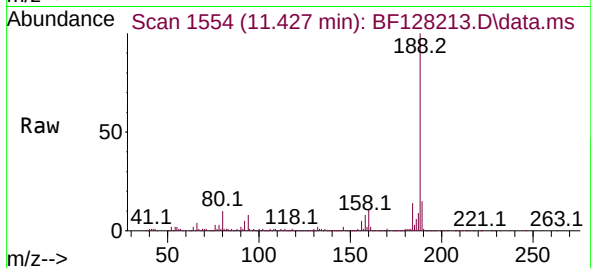
Tgt Ion:166 Resp: 38520
Ion Ratio Lower Upper
166 100
165 102.5 78.6 117.8
167 14.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

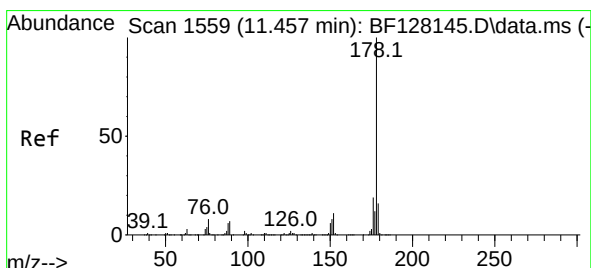
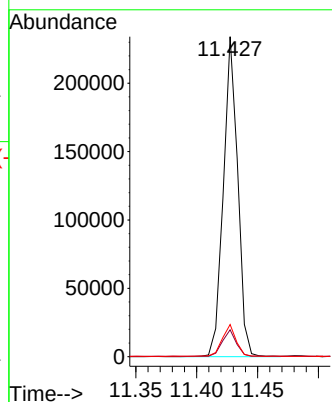
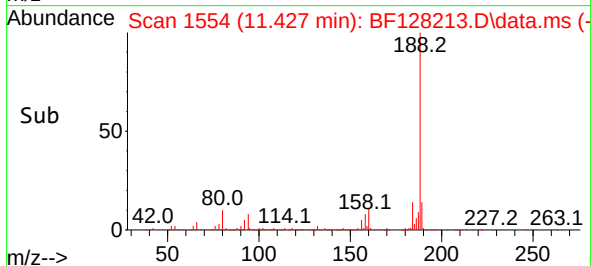
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



Tgt Ion:188 Resp: 19240
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 10.1 8.9 13.3

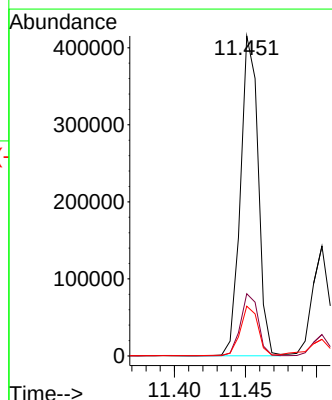
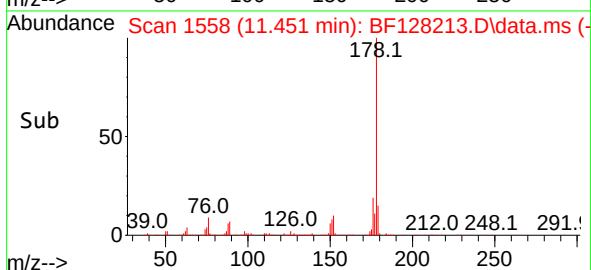
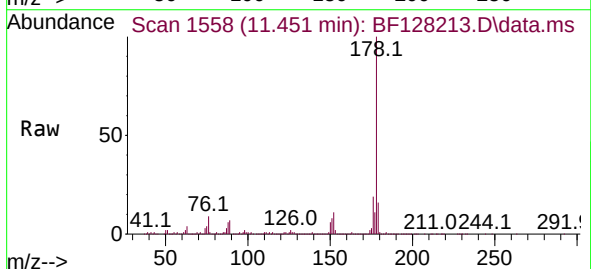
Manual Integrations APPROVED

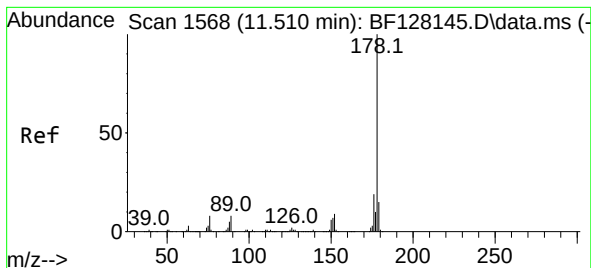
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022



#71
Phenanthrene
Concen: 37.608 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

Tgt Ion:178 Resp: 360308
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.5 12.6 19.0





#72

Anthracene

Concen: 11.953 ng

RT: 11.504 min Scan# 11433

Delta R.T. -0.006 min

Lab File: BF128213.D

Acq: 12 May 2022 00:08

Instrument :

BNA_F

ClientSampleId :

CF-280MER-8-15

Tgt Ion:178 Resp: 11433

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.6

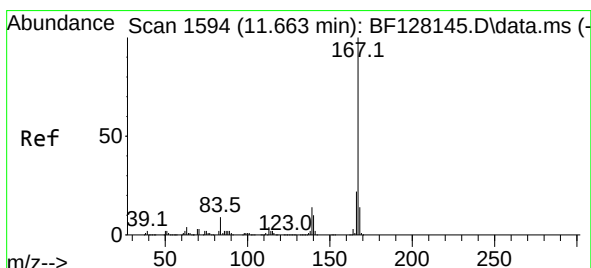
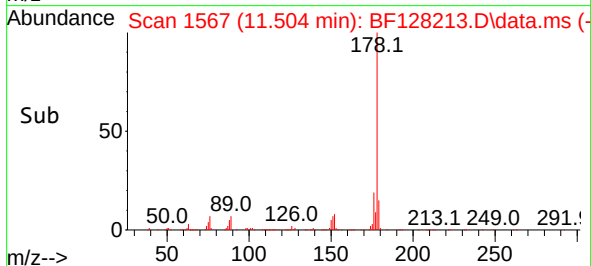
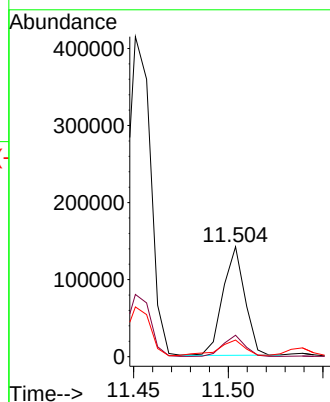
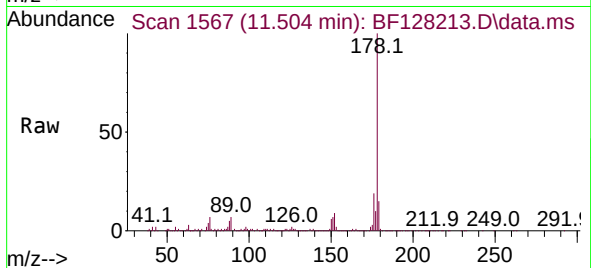
179 15.2 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2022

Supervised By :Jagrut Upadhyay 05/12/2022



#73

Carbazole

Concen: 2.334 ng

RT: 11.657 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF128213.D

Acq: 12 May 2022 00:08

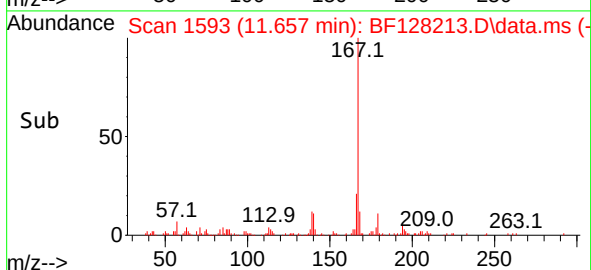
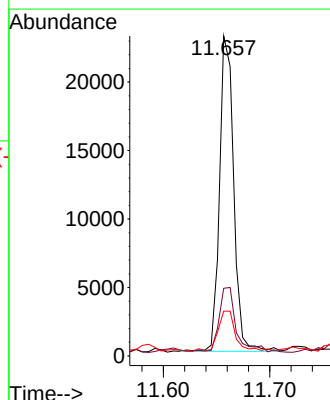
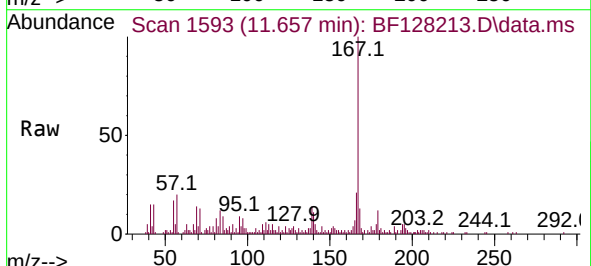
Tgt Ion:167 Resp: 21229

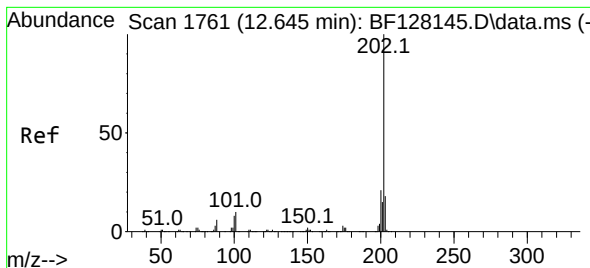
Ion Ratio Lower Upper

167 100

166 21.2 17.6 26.4

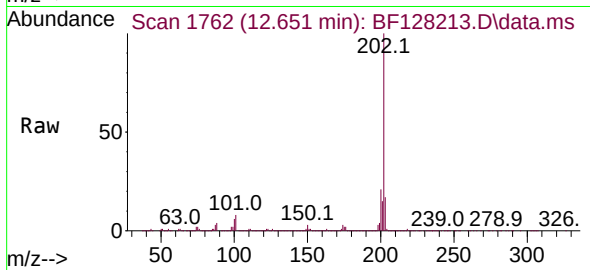
139 14.0 10.7 16.1





#75
Fluoranthene
Concen: 53.160 ng
RT: 12.651 min Scan# 1761
Delta R.T. 0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

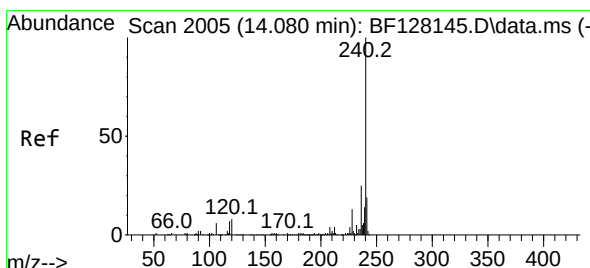
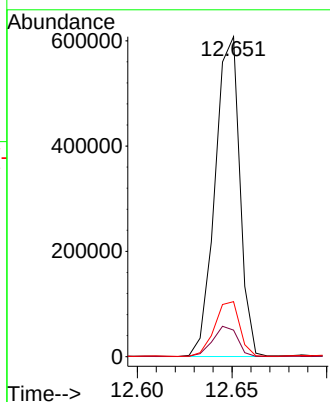
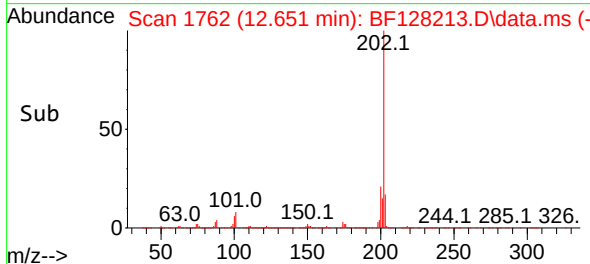
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



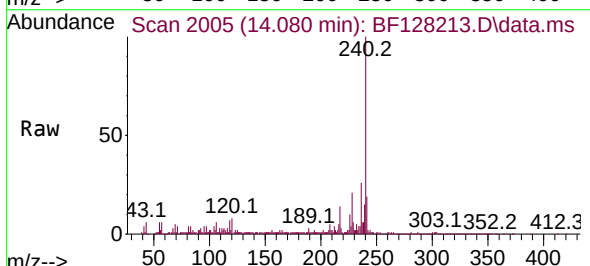
Tgt Ion:202 Resp: 552160
Ion Ratio Lower Upper
202 100
101 8.3 0.0 31.6
203 17.2 0.0 38.1

Manual Integrations
APPROVED

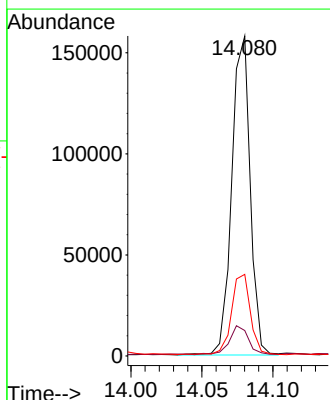
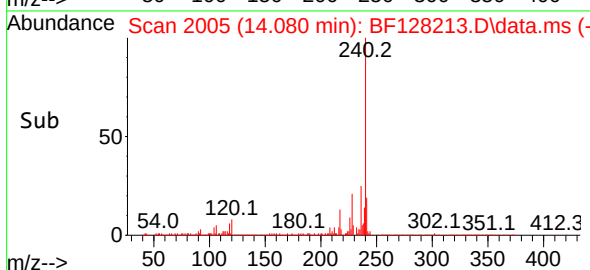
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

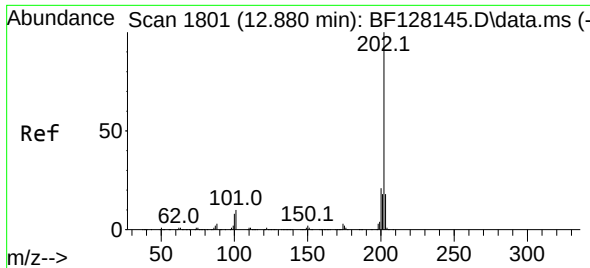


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



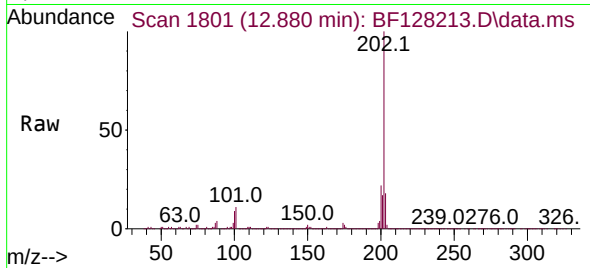
Tgt Ion:240 Resp: 142329
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.6
236 25.5 20.3 30.5





#78
Pyrene
Concen: 48.867 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

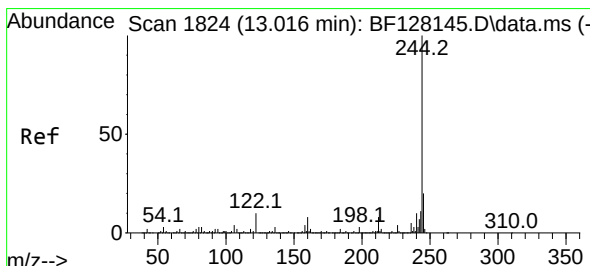
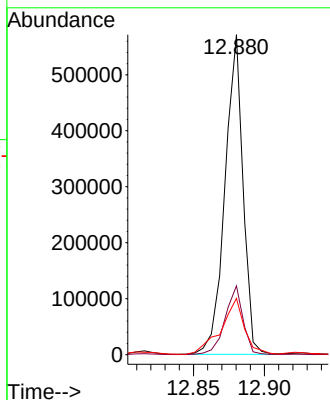
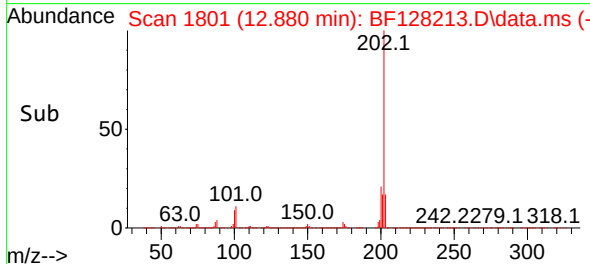
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



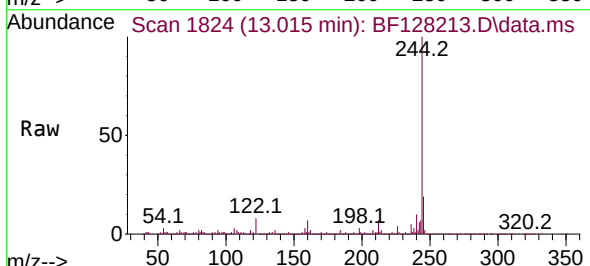
Tgt Ion:202 Resp: 504308
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.6 14.0 21.0

Manual Integrations
APPROVED

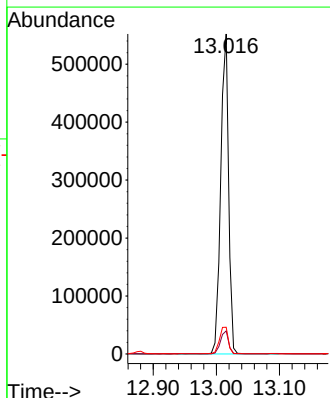
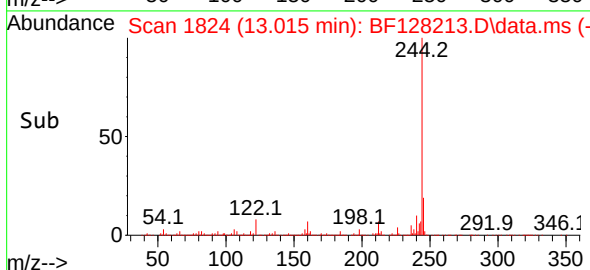
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

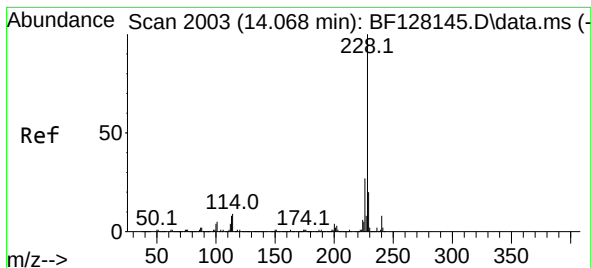


#79
Terphenyl-d14
Concen: 63.437 ng
RT: 13.015 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



Tgt Ion:244 Resp: 481180
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 8.4 8.6 12.8#





#81

Benzo(a)anthracene

Concen: 25.550 ng

RT: 14.068 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BF128213.D

Acq: 12 May 2022 00:08

Instrument :

BNF

ClientSampleId :

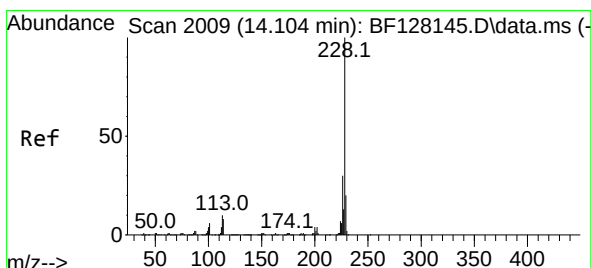
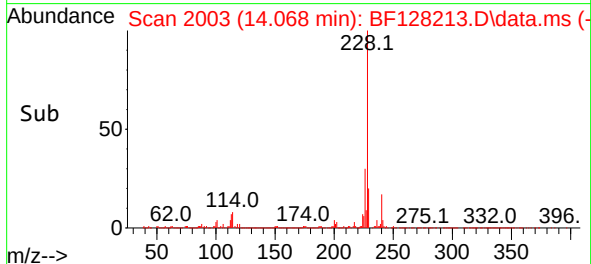
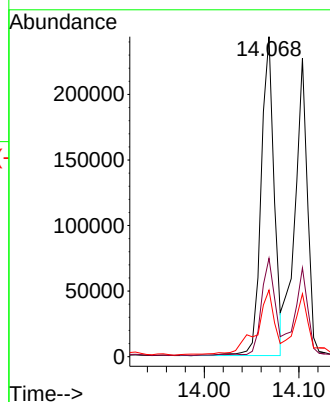
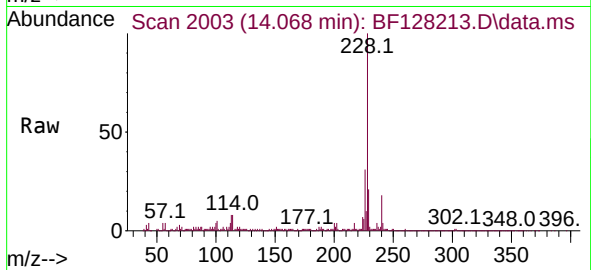
CF-280MER-8-15

Tgt Ion:228 Resp: 232279
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.7 32.5
 229 20.8 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2022
 Supervised By :Jagrut Upadhyay 05/12/2022



#83

Chrysene

Concen: 24.205 ng m

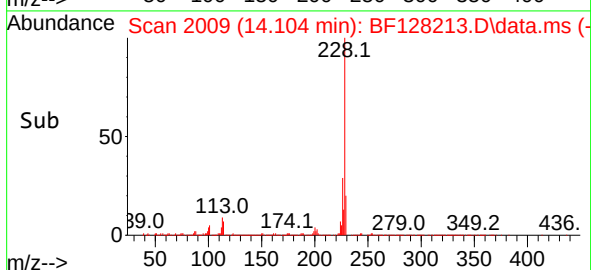
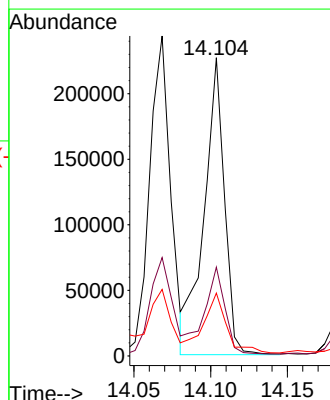
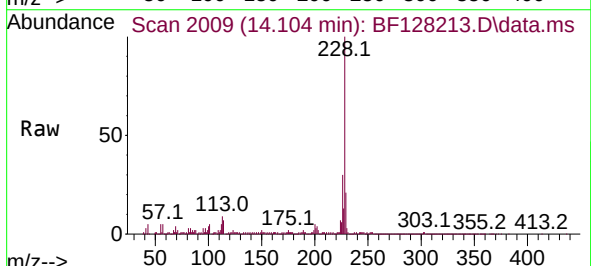
RT: 14.104 min Scan# 2009

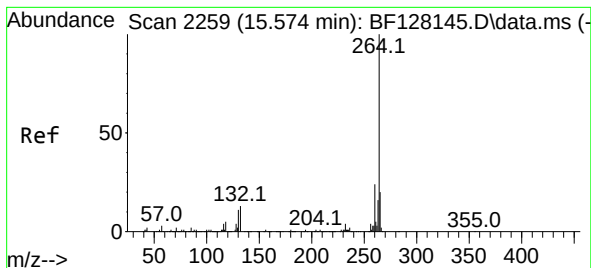
Delta R.T. -0.000 min

Lab File: BF128213.D

Acq: 12 May 2022 00:08

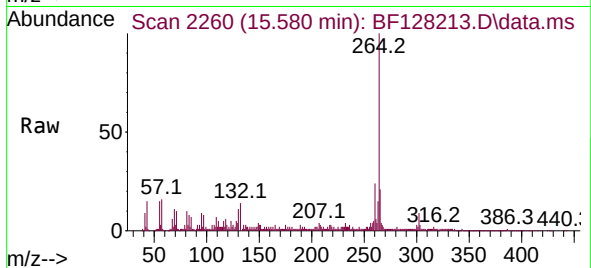
Tgt Ion:228 Resp: 209958
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.4 36.6
 229 21.1 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

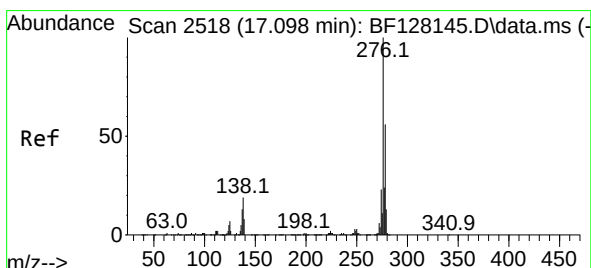
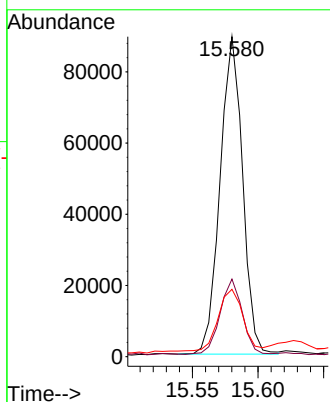
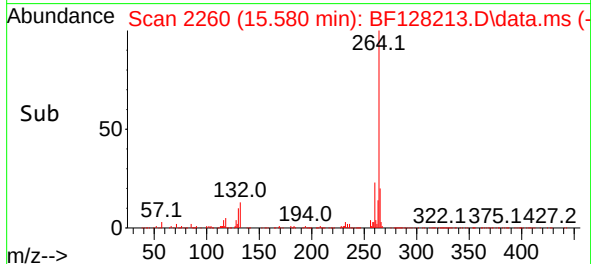
Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



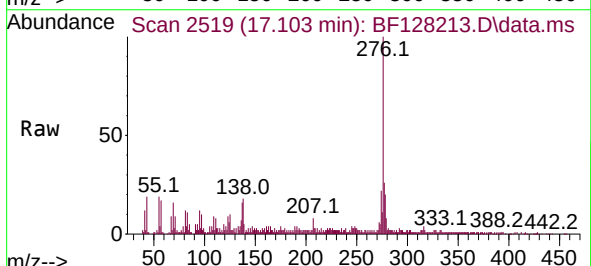
Tgt Ion:264 Resp: 106430
Ion Ratio Lower Upper
264 100
260 24.2 20.1 30.1
265 21.0 17.5 26.3

Manual Integrations
APPROVED

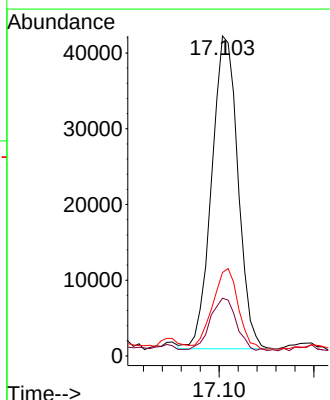
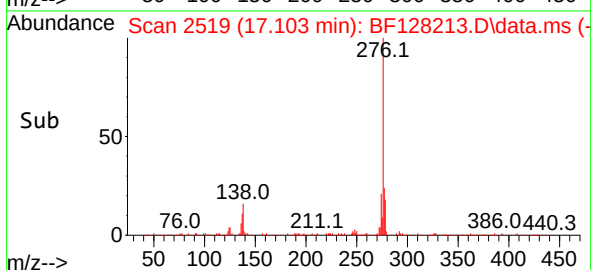
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

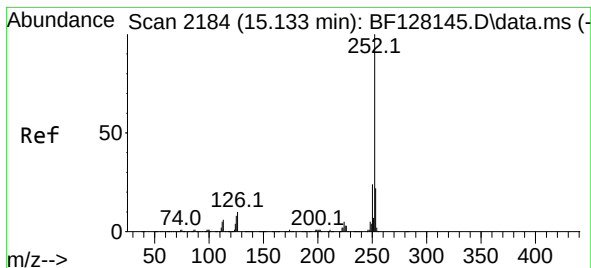


#87
Indeno(1,2,3-cd)pyrene
Concen: 12.371 ng
RT: 17.103 min Scan# 2519
Delta R.T. 0.006 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08



Tgt Ion:276 Resp: 79648
Ion Ratio Lower Upper
276 100
138 17.0 19.0 28.4#
277 25.0 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 32.489 ng m

RT: 15.139 min Scan# 2184

Delta R.T. 0.006 min

Lab File: BF128213.D

Acq: 12 May 2022 00:08

Instrument :

BNA_F

ClientSampleId :

CF-280MER-8-15

Tgt Ion:252 Resp: 214350

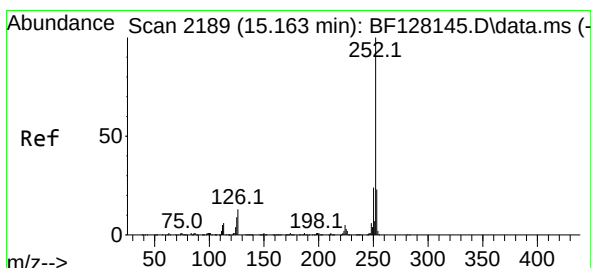
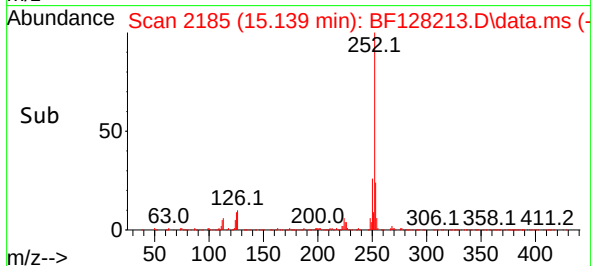
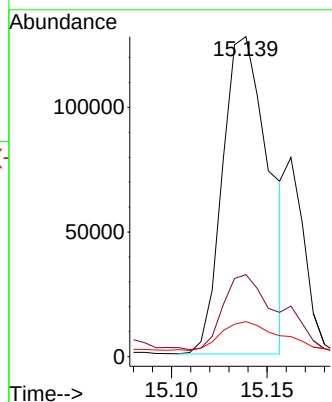
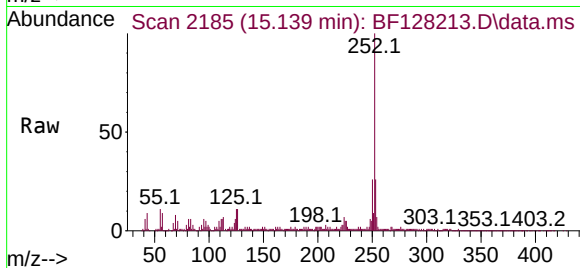
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.4	26.2
125	11.0	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2022

Supervised By :Jagrut Upadhyay 05/12/2022



#89

Benzo(k)fluoranthene

Concen: 8.305 ng m

RT: 15.162 min Scan# 2189

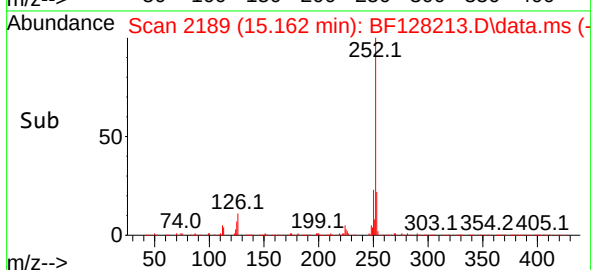
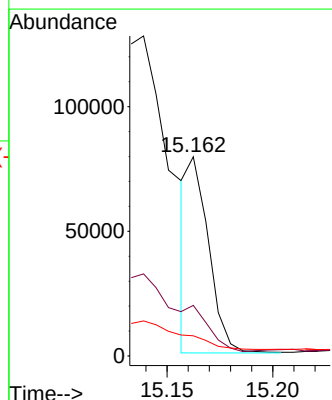
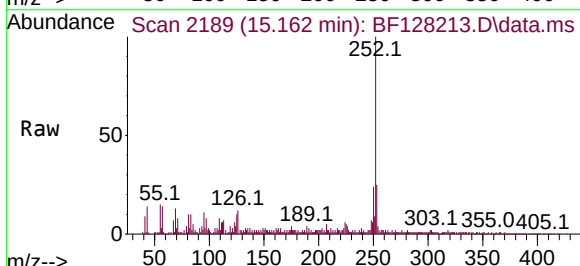
Delta R.T. -0.000 min

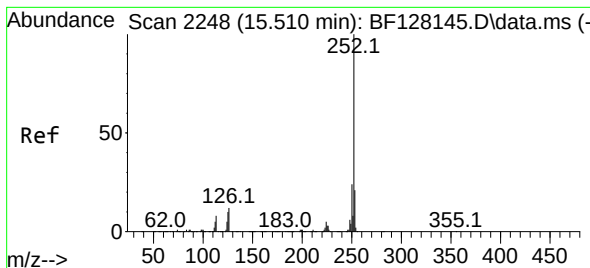
Lab File: BF128213.D

Acq: 12 May 2022 00:08

Tgt Ion:252 Resp: 54085

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.4
125	10.1	6.8	10.2





#90

Benzo(a)pyrene

Concen: 26.817 ng

RT: 15.515 min Scan# 2248

Delta R.T. 0.006 min

Lab File: BF128213.D

Acq: 12 May 2022 00:08

Instrument :

BNA_F

ClientSampleId :

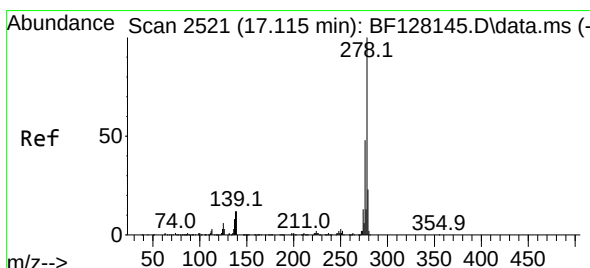
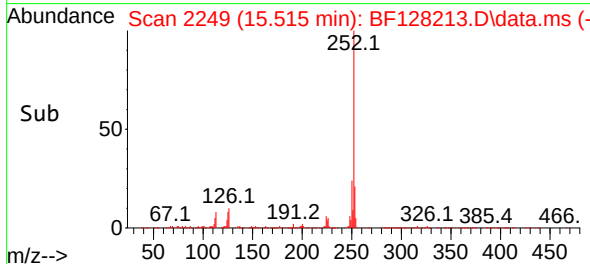
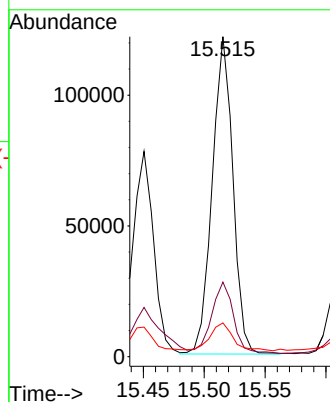
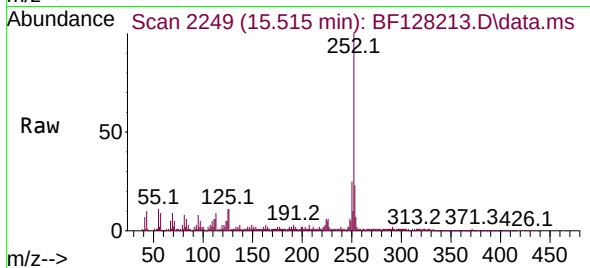
CF-280MER-8-15

Tgt Ion:252 Resp: 142835
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.6
 125 10.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2022
 Supervised By :Jagrut Upadhyay 05/12/2022



#91

Dibenzo(a,h)anthracene

Concen: 4.023 ng

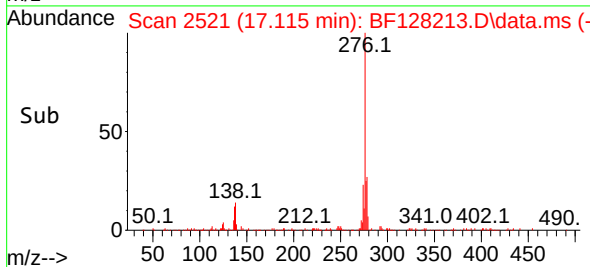
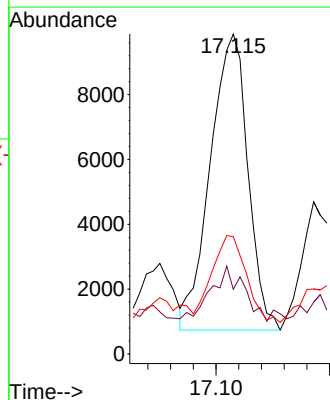
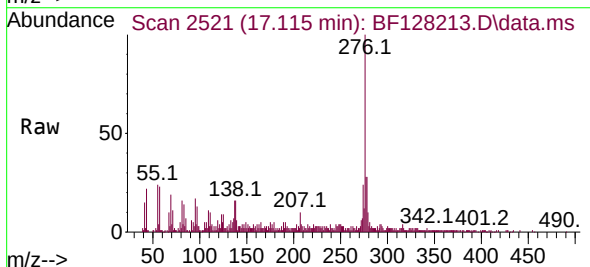
RT: 17.115 min Scan# 2521

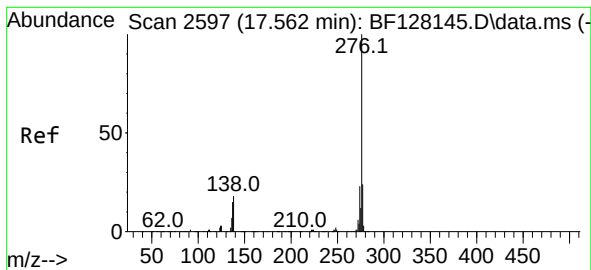
Delta R.T. -0.000 min

Lab File: BF128213.D

Acq: 12 May 2022 00:08

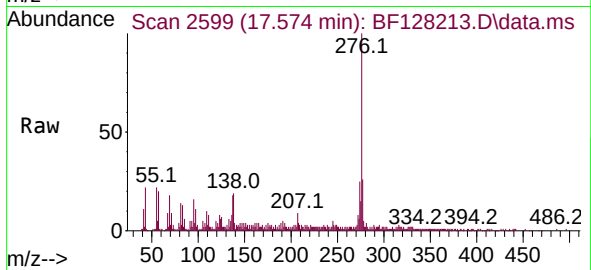
Tgt Ion:278 Resp: 20969
 Ion Ratio Lower Upper
 278 100
 139 20.2 12.6 19.0#
 279 36.7 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 14.645 ng
RT: 17.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF128213.D
Acq: 12 May 2022 00:08

Instrument :
BNA_F
ClientSampleId :
CF-280MER-8-15



Tgt Ion:276 Resp: 7728
Ion Ratio Lower Upper
276 100
277 26.1 18.8 28.2
138 18.7 16.2 24.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

