

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
 Data File : BF128704.D
 Acq On : 06 Jun 2022 18:58
 Operator : CG\JU
 Sample : N3201-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 21500

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/07/2022
 Supervised By : Jagrut Upadhyay 06/07/2022

Quant Time: Jun 07 02:43:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	59674	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	214670	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	103636	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	154623	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	153511	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	156571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	357422	95.404	ng	0.00
7) Phenol-d6	6.492	99	435557	95.242	ng	0.00
23) Nitrobenzene-d5	7.386	82	311040	67.460	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	93142	76.065	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	397559	53.736	ng	-0.01
79) Terphenyl-d14	12.939	244	475012	53.768	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	173552	15.753	ng	99
37) 2-Methylnaphthalene	8.822	142	375341	53.563	ng	99
38) 1-Methylnaphthalene	8.922	142	191479	28.282	ng	98
46) 1,1'-Biphenyl	9.280	154	100756	12.957	ng	98
49) Acenaphthylene	9.722	152	28704	3.160	ng	# 90
52) Acenaphthene	9.898	154	460087	77.777	ng	98
55) Dibenzofuran	10.069	168	570767	67.137	ng	91
58) Fluorene	10.416	166	768163	116.511	ng	99
71) Phenanthrene	11.386	178	2739265	353.200	ng	99
72) Anthracene	11.427	178	348757	45.433	ng	100
73) Carbazole	11.586	167	154416	21.658	ng	99
75) Fluoranthene	12.580	202	2148403	265.010	ng	98
78) Pyrene	12.804	202	1512509	132.431	ng	99
81) Benzo(a)anthracene	13.986	228	502266	52.490	ng	99
83) Chrysene	14.027	228	503010	55.138	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	53367	5.655	ng	# 90
88) Benzo(b)fluoranthene	15.039	252	346399m	34.624	ng	
89) Benzo(k)fluoranthene	15.062	252	138669m	14.734	ng	
90) Benzo(a)pyrene	15.398	252	167598m	21.314	ng	
91) Dibenzo(a,h)anthracene	16.915	278	16301	2.082	ng	94
92) Benzo(g,h,i)perylene	17.345	276	41452	5.343	ng	# 94

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

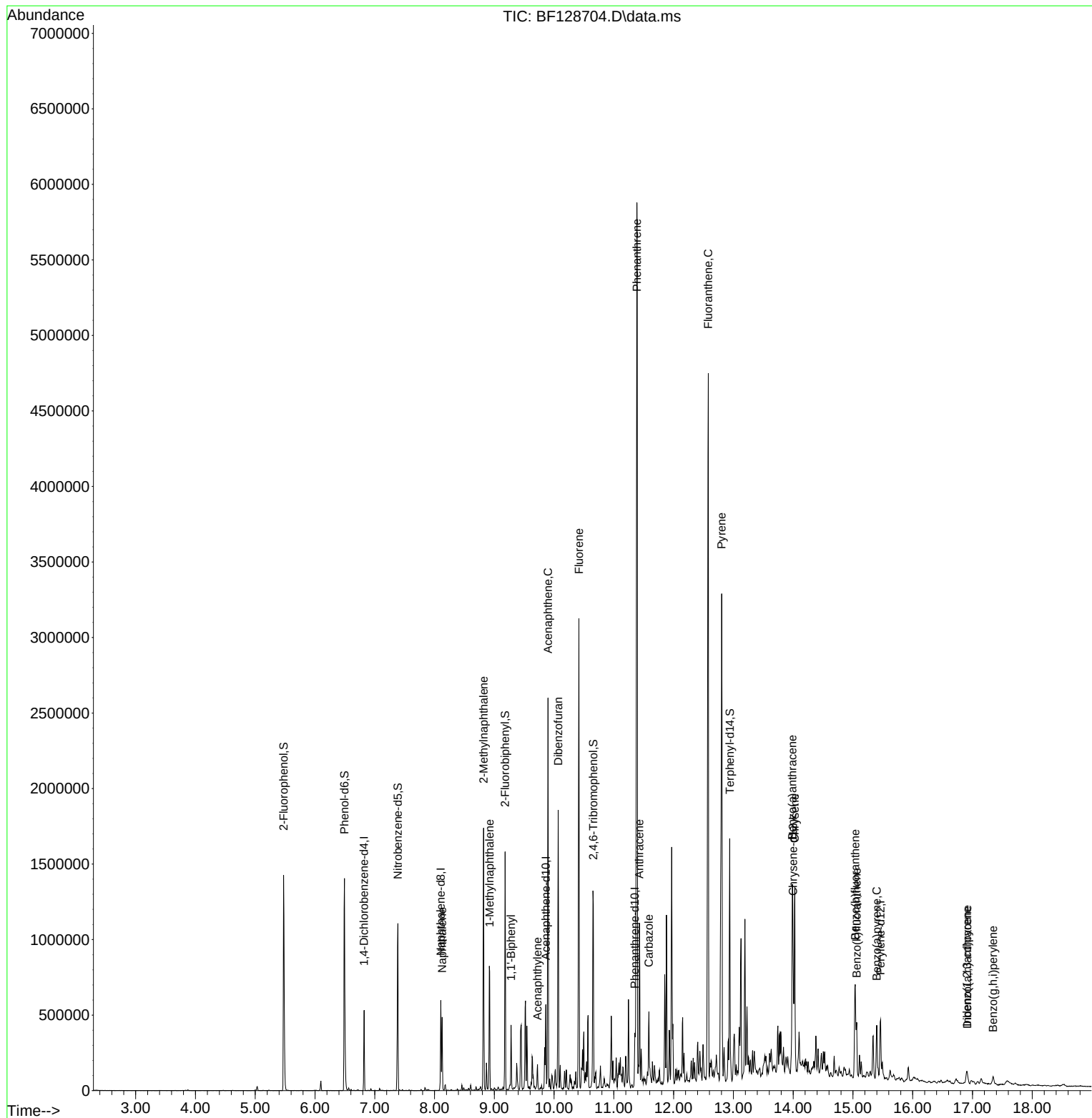
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128704.D
Acq On : 06 Jun 2022 18:58
Operator : CG\JU
Sample : N3201-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

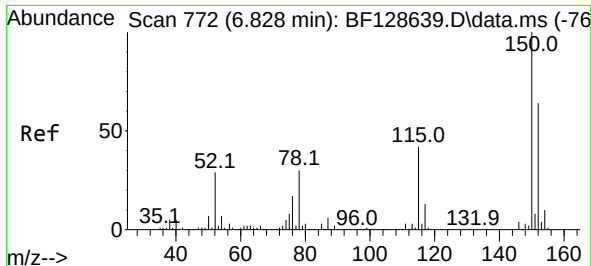
Instrument :
BNA_F
ClientSampleId :
21500

Manual Integrations
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Supervised By : Jagrut Upadhyay 06/07/2022

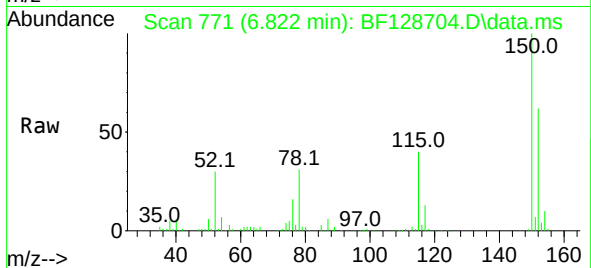
Quant Time: Jun 07 02:43:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 02 17:07:23 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

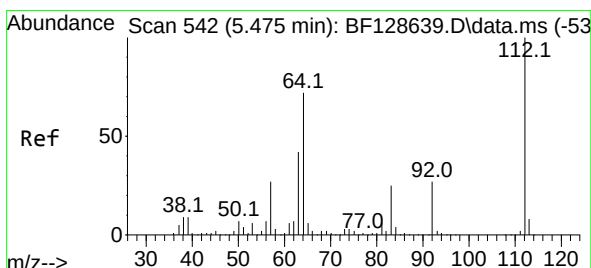
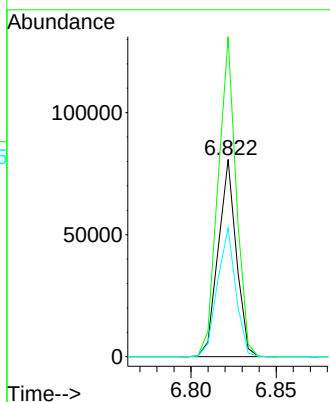
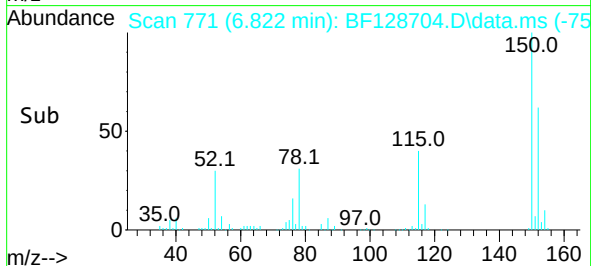
Instrument :
BNA_F
ClientSampleId :
21500



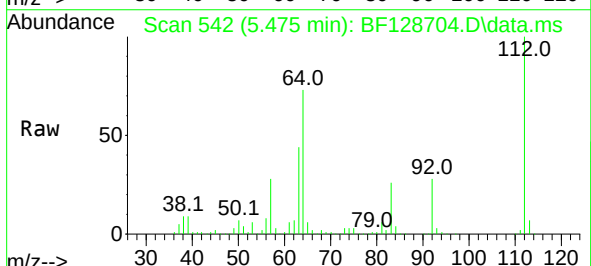
Tgt Ion:152 Resp: 59674
Ion Ratio Lower Upper
152 100
150 162.2 123.7 185.5
115 65.2 49.9 74.9

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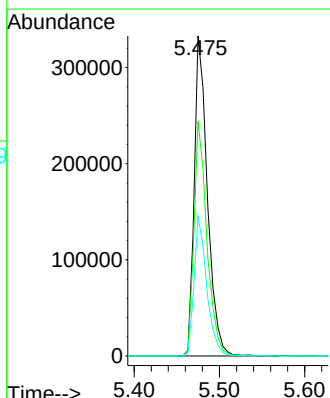
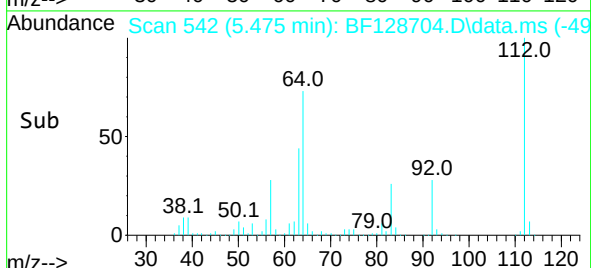
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

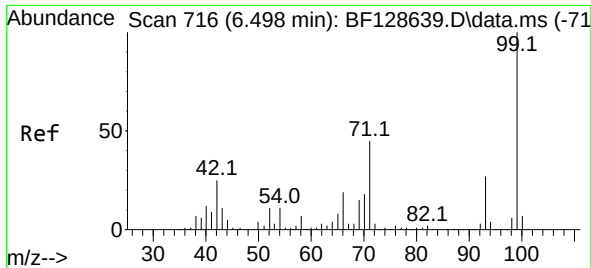


#5
2-Fluorophenol
Concen: 95.404 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



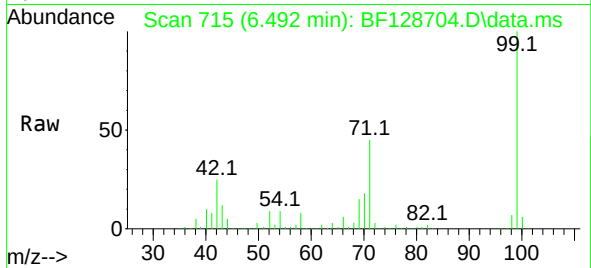
Tgt Ion:112 Resp: 357422
Ion Ratio Lower Upper
112 100
64 73.3 53.3 79.9
63 43.6 28.0 42.0#





#7
Phenol-d6
Concen: 95.242 ng
RT: 6.492 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

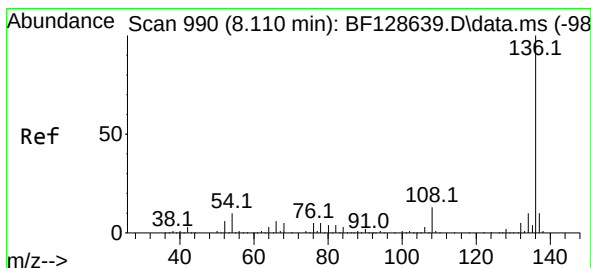
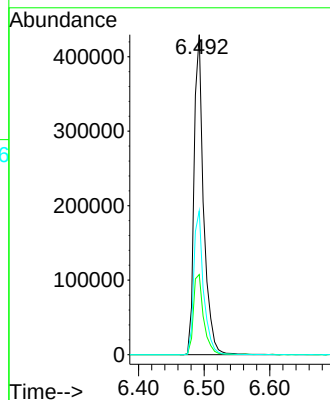
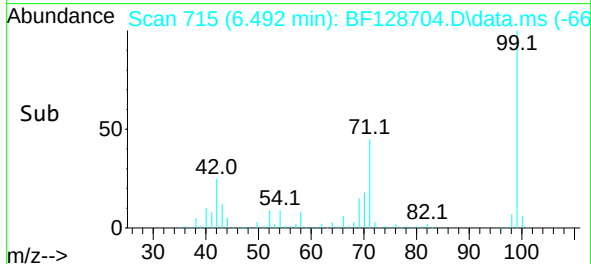
Instrument :
BNA_F
ClientSampleId :
21500



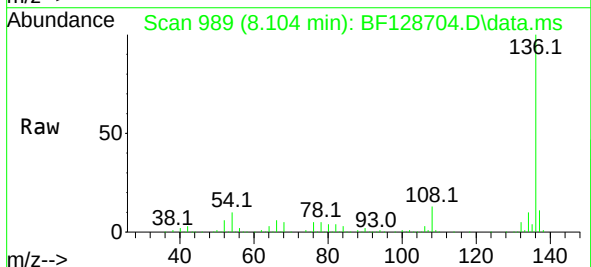
Tgt Ion: 99 Resp: 43555
Ion Ratio Lower Upper
99 100
42 25.1 17.3 25.9
71 44.9 28.9 43.3

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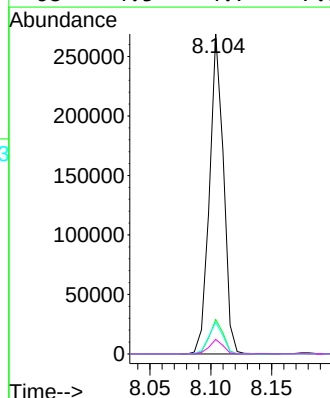
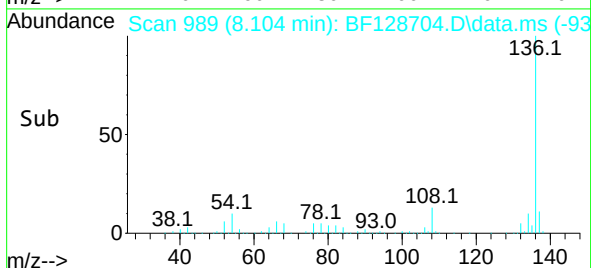
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

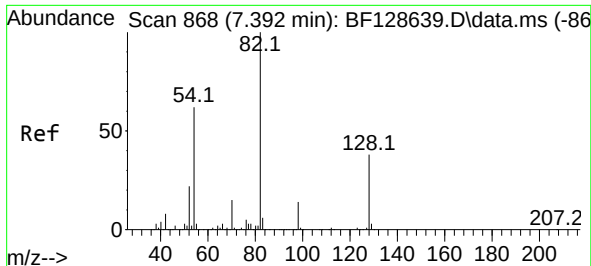


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



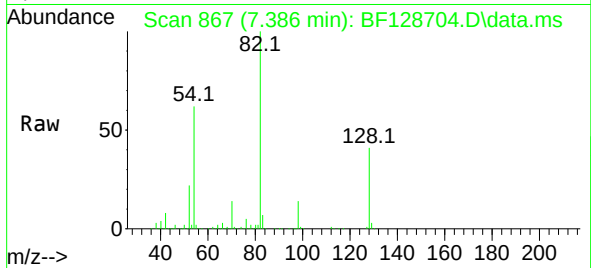
Tgt Ion:136 Resp: 214670
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.9 7.5 11.3
68 4.5 4.7 7.1





#23
Nitrobenzene-d5
Concen: 67.460 ng
RT: 7.386 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

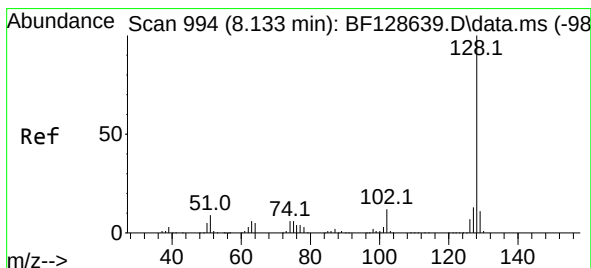
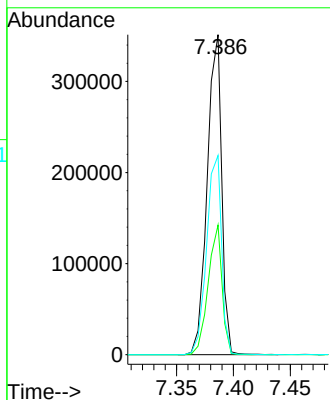
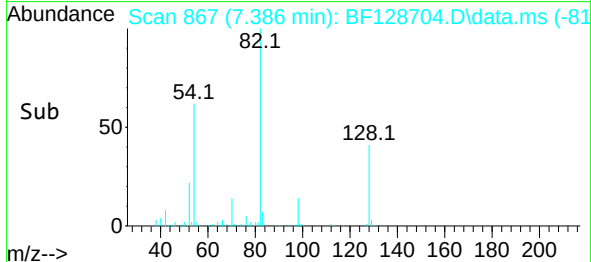
Instrument :
BNA_F
ClientSampleId :
21500



Tgt Ion: 82 Resp: 311040
Ion Ratio Lower Upper
82 100
128 40.5 34.0 51.0
54 62.3 46.9 70.3

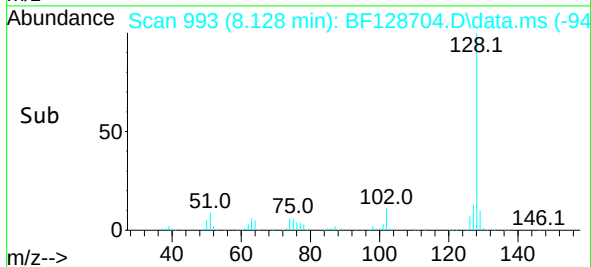
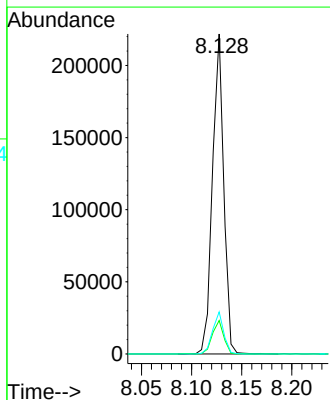
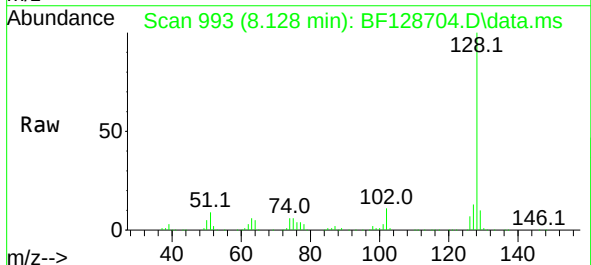
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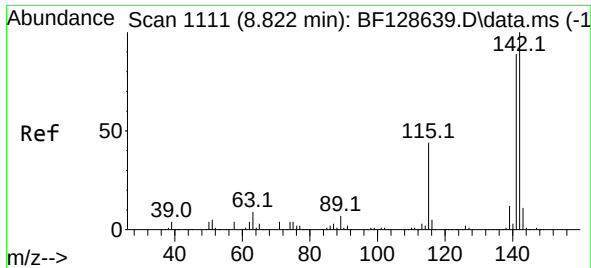
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#31
Naphthalene
Concen: 15.753 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

Tgt Ion:128 Resp: 173552
Ion Ratio Lower Upper
128 100
129 10.5 9.2 13.8
127 13.1 10.5 15.7





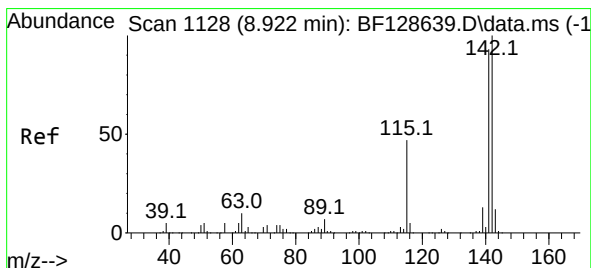
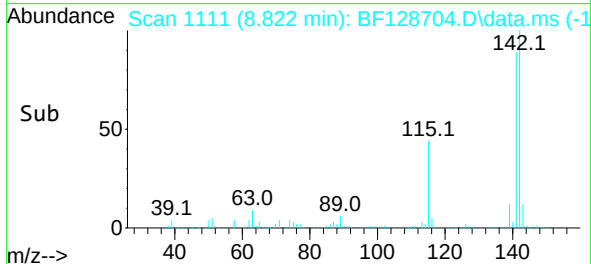
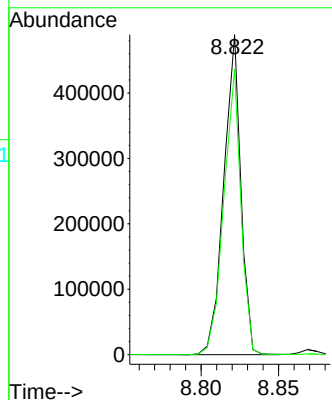
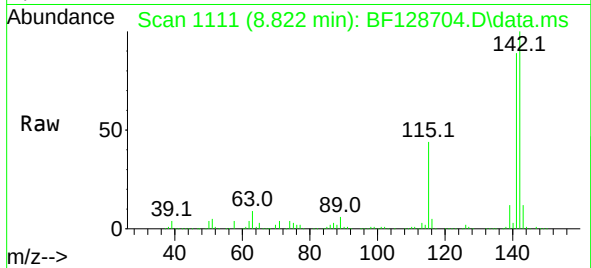
#37
2-Methylnaphthalene
Concen: 53.563 ng
RT: 8.822 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

Instrument :
BNA_F
ClientSampleId :
21500

Tgt Ion:142 Resp: 37534
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.4

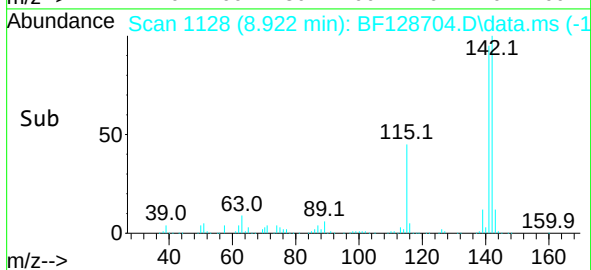
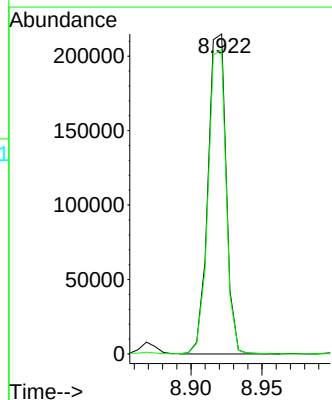
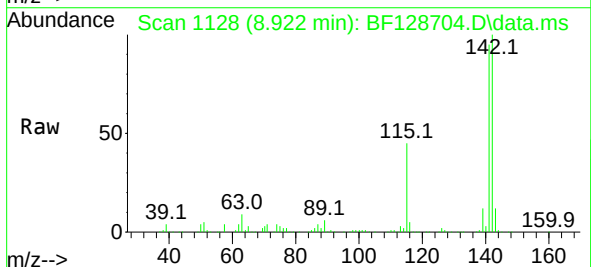
Manual Integrations
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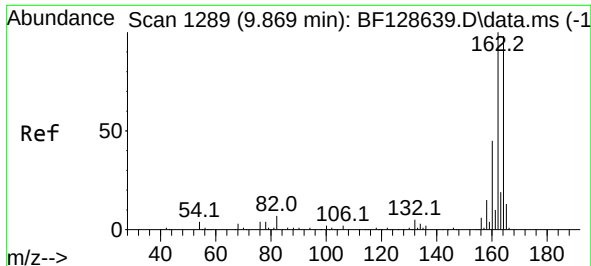
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#38
1-Methylnaphthalene
Concen: 28.282 ng
RT: 8.922 min Scan# 1128
Delta R.T. -0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

Tgt Ion:142 Resp: 191479
Ion Ratio Lower Upper
142 100
141 95.0 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF128704.D

Acq: 06 Jun 2022 18:58

Instrument :

BNA_F

ClientSampleId :

21500

Tgt Ion:164 Resp: 103630

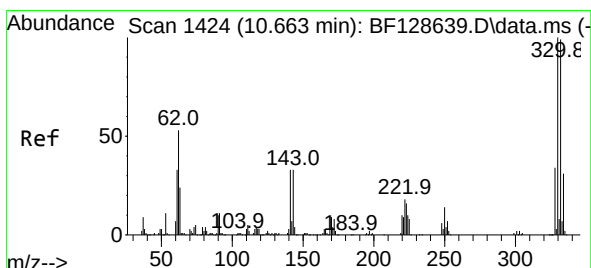
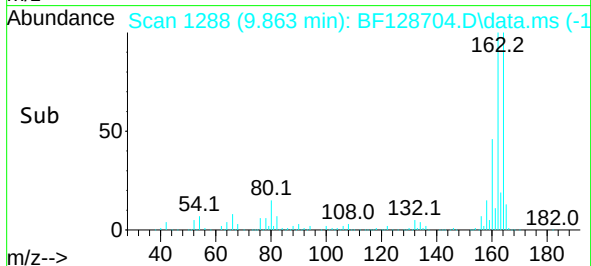
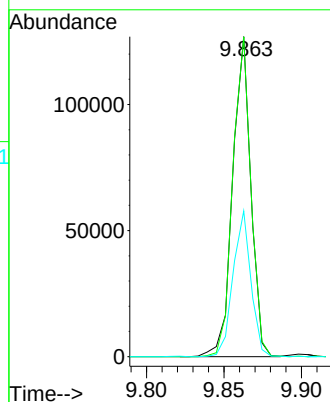
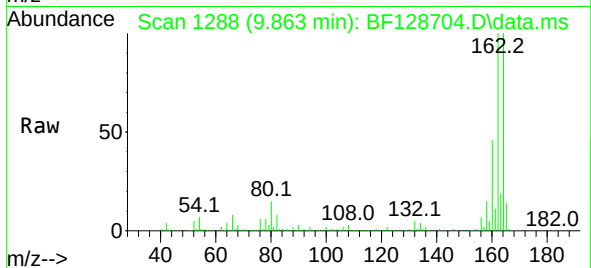
Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.5	119.3
160	45.5	34.2	51.4

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 76.065 ng

RT: 10.657 min Scan# 1423

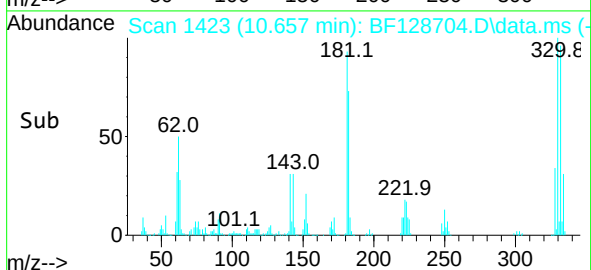
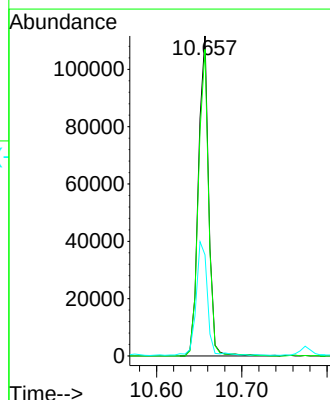
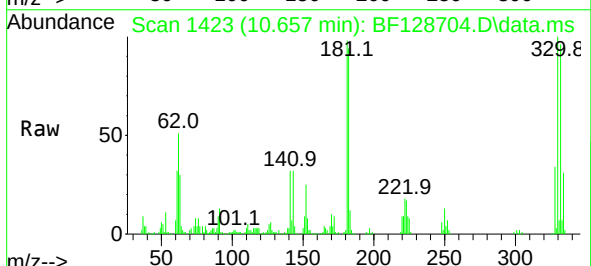
Delta R.T. -0.006 min

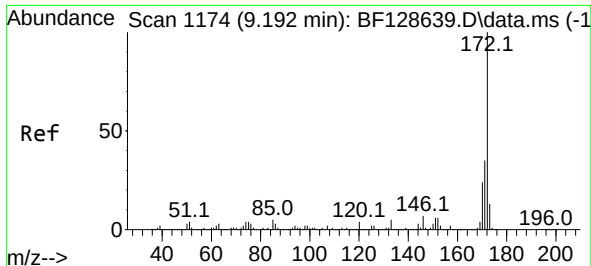
Lab File: BF128704.D

Acq: 06 Jun 2022 18:58

Tgt Ion:330 Resp: 93142

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.8	115.2
141	37.9	28.0	42.0





#45

2-Fluorobiphenyl

Concen: 53.736 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.012 min

Lab File: BF128704.D

Acq: 06 Jun 2022 18:58

Instrument :

BNA_F

ClientSampleId :

21500

Tgt Ion:172 Resp: 39755

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

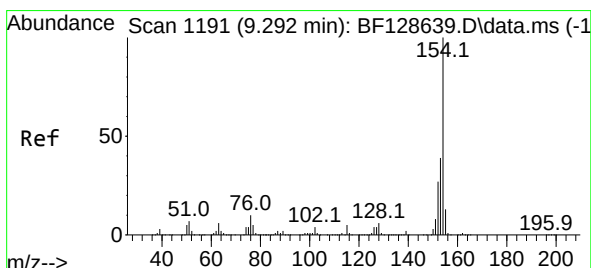
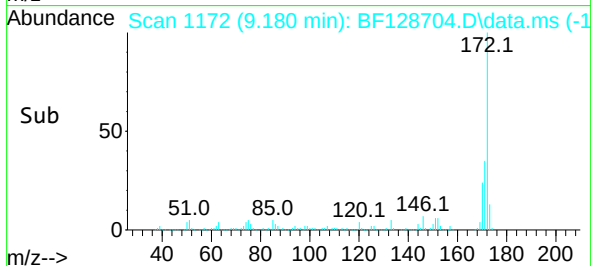
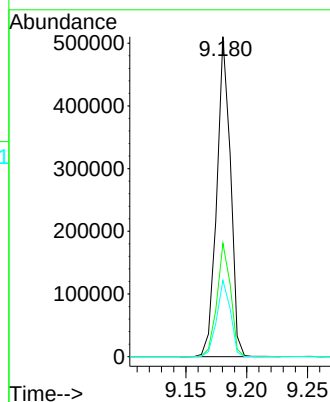
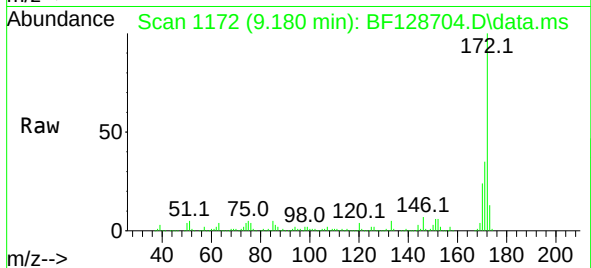
170 23.9 19.8 29.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/07/2022



#46

1,1'-Biphenyl

Concen: 12.957 ng

RT: 9.280 min Scan# 1189

Delta R.T. -0.012 min

Lab File: BF128704.D

Acq: 06 Jun 2022 18:58

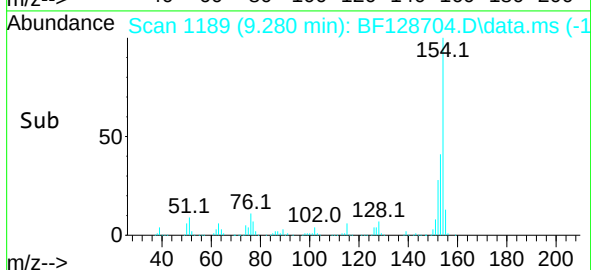
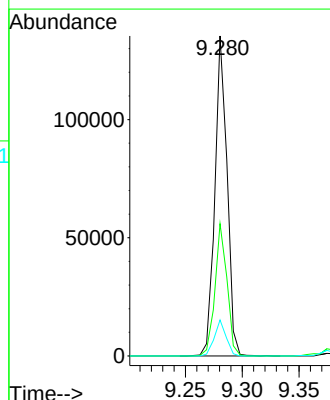
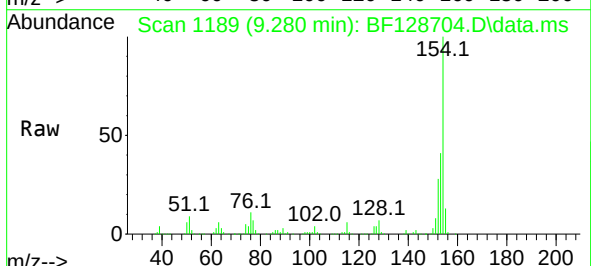
Tgt Ion:154 Resp: 100756

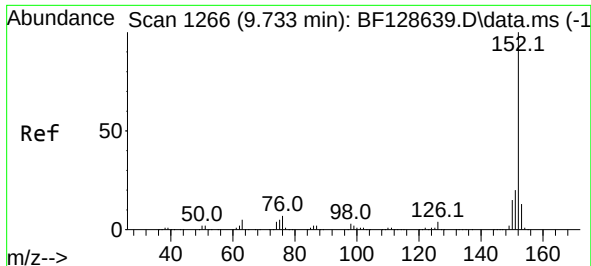
Ion Ratio Lower Upper

154 100

153 41.4 20.6 60.6

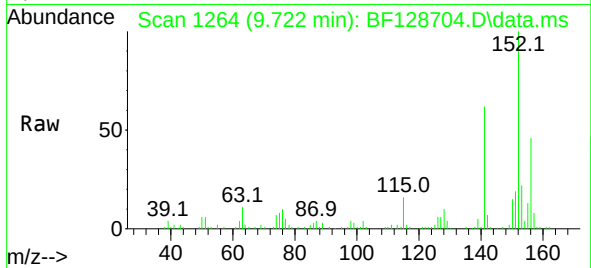
76 11.3 0.0 33.3





#49
Acenaphthylene
Concen: 3.160 ng
RT: 9.722 min Scan# 1266
Delta R.T. -0.012 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

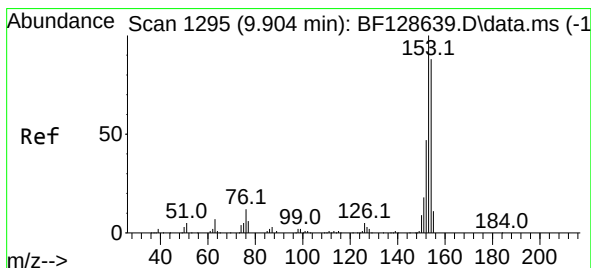
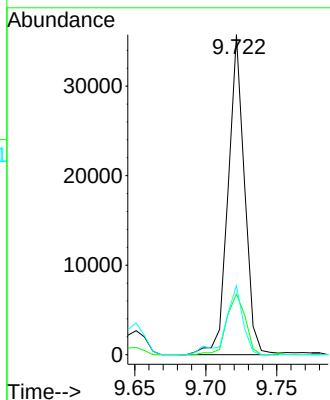
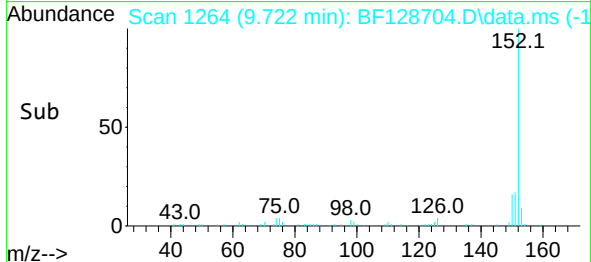
Instrument :
BNA_F
ClientSampleId :
21500



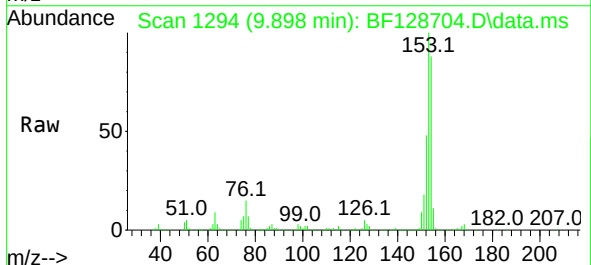
Tgt Ion:152 Resp: 28704
Ion Ratio Lower Upper
152 100
151 18.9 16.2 24.4
153 21.6 10.7 16.1

Manual Integrations
APPROVED

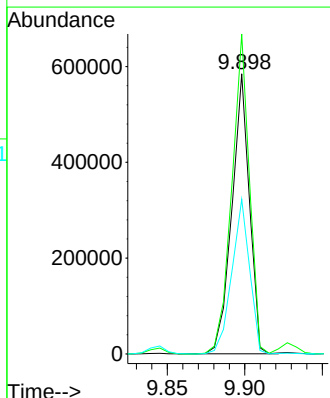
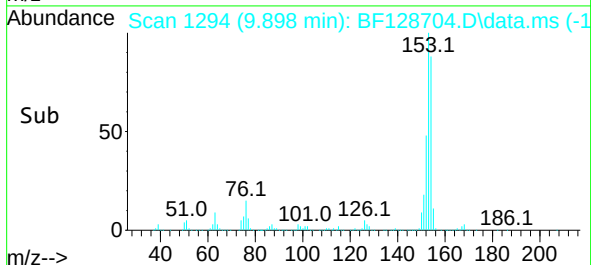
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

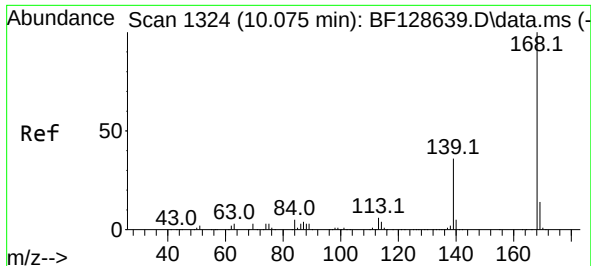


#52
Acenaphthene
Concen: 77.777 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



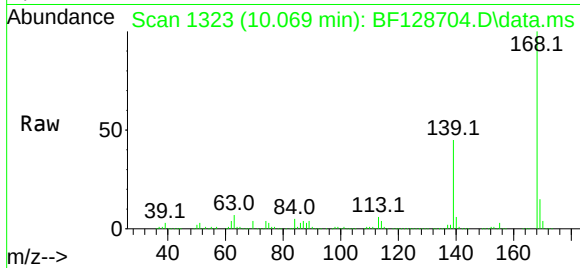
Tgt Ion:154 Resp: 460087
Ion Ratio Lower Upper
154 100
153 114.2 89.6 134.4
152 55.2 42.4 63.6





#55
Dibenzofuran
Concen: 67.137 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

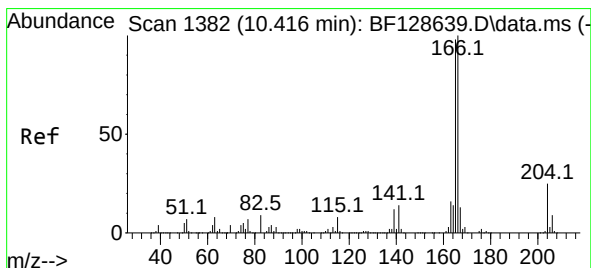
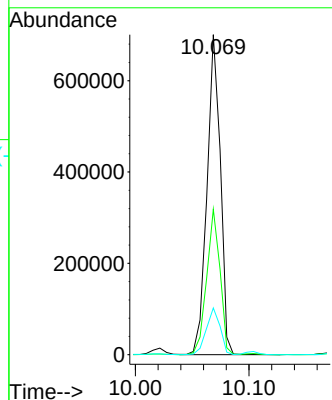
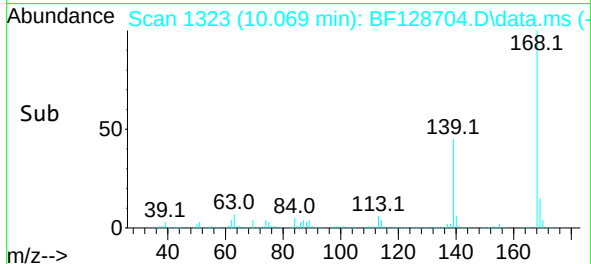
Instrument :
BNA_F
ClientSampleId :
21500



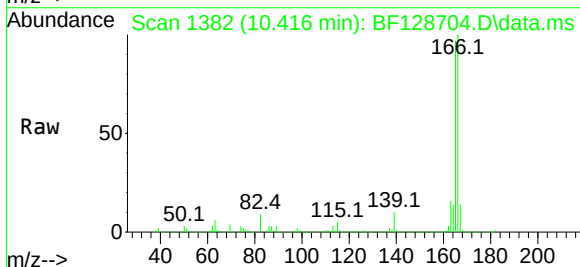
Tgt Ion:168 Resp: 57076
Ion Ratio Lower Upper
168 100
139 45.4 30.6 46.0
169 14.6 11.0 16.6

Manual Integrations
APPROVED

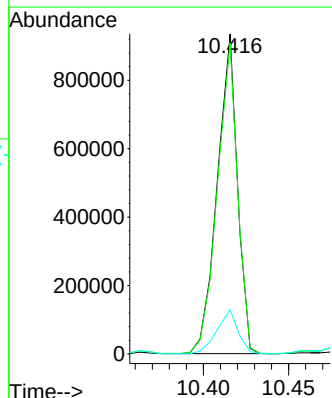
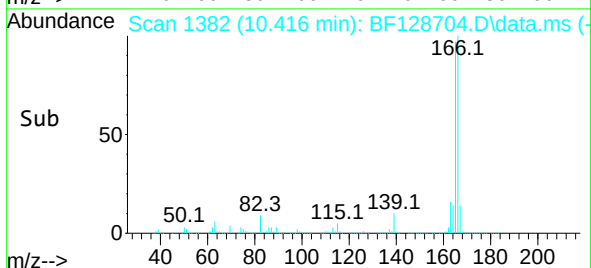
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

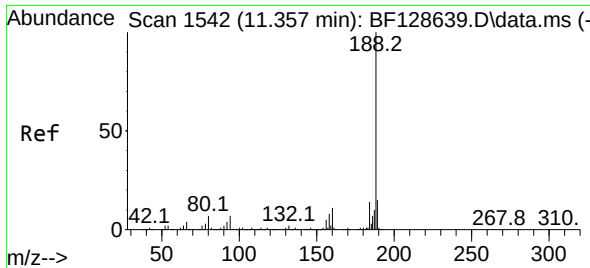


#58
Fluorene
Concen: 116.511 ng
RT: 10.416 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



Tgt Ion:166 Resp: 768163
Ion Ratio Lower Upper
166 100
165 97.2 78.1 117.1
167 13.8 10.5 15.7





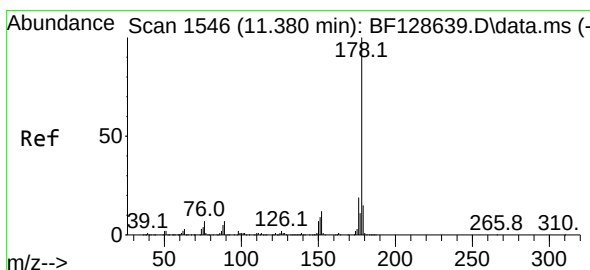
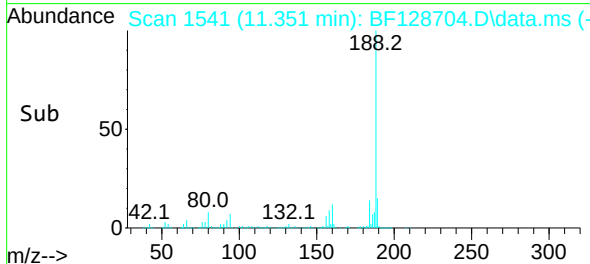
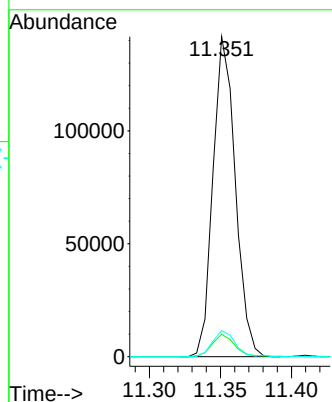
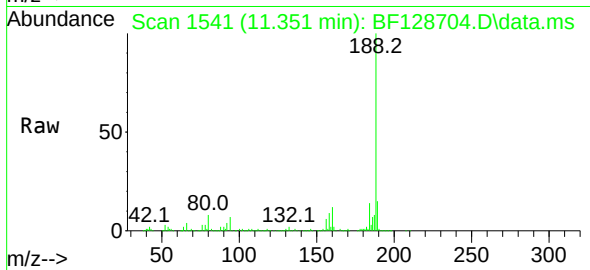
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

Instrument :
BNA_F
ClientSampleId :
21500

Tgt Ion:188 Resp: 15462
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6
80 8.2 7.6 11.4

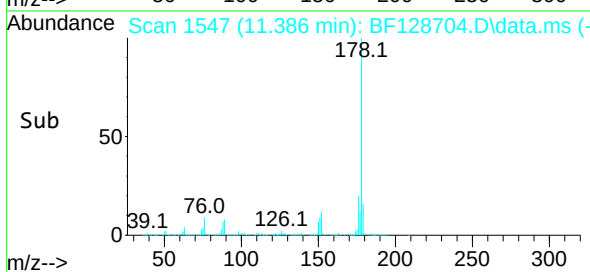
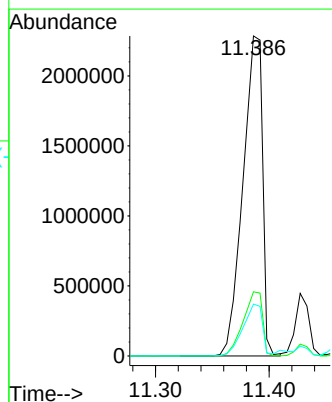
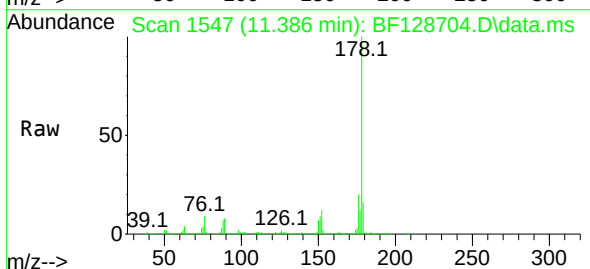
Manual Integrations
APPROVED

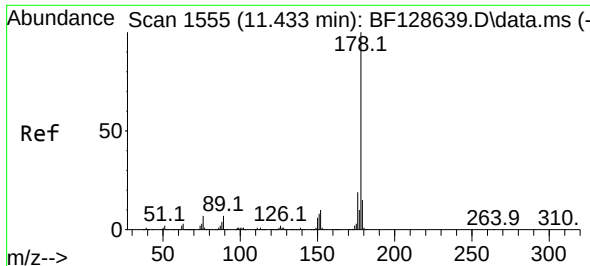
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#71
Phenanthrene
Concen: 353.200 ng
RT: 11.386 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

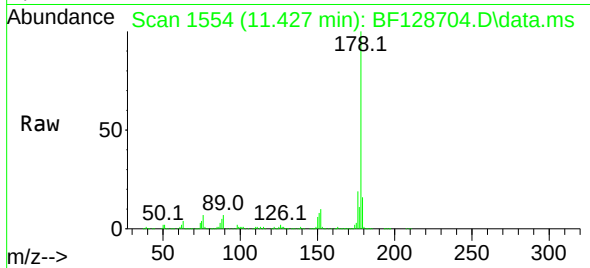
Tgt Ion:178 Resp: 2739265
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 16.2 12.6 19.0





#72
 Anthracene
 Concen: 45.433 ng
 RT: 11.427 min Scan# 11500
 Delta R.T. -0.006 min
 Lab File: BF128704.D
 Acq: 06 Jun 2022 18:58

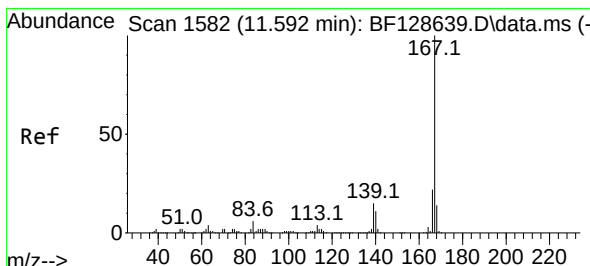
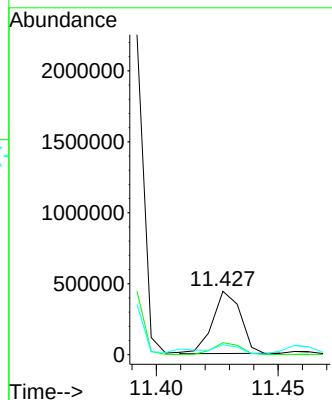
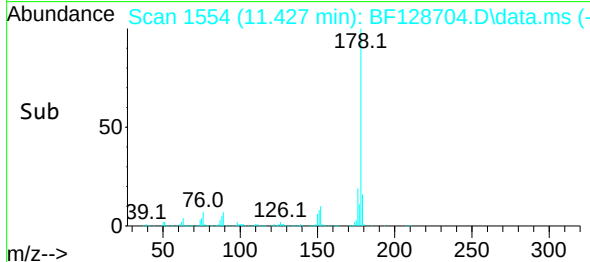
Instrument :
 BNA_F
 ClientSampleId :
 21500



Tgt Ion:178 Resp: 34875
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.7 12.6 19.0

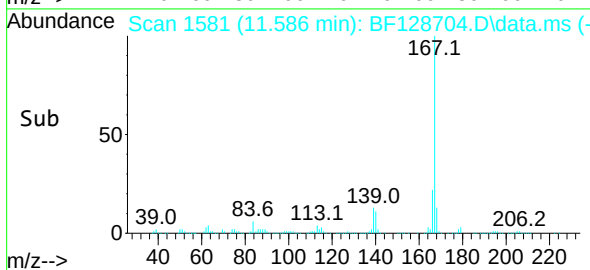
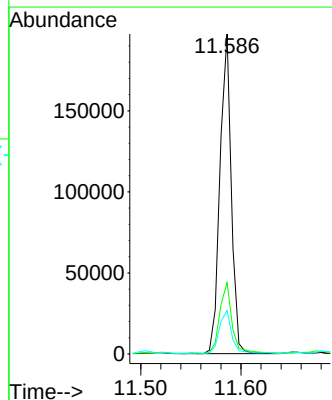
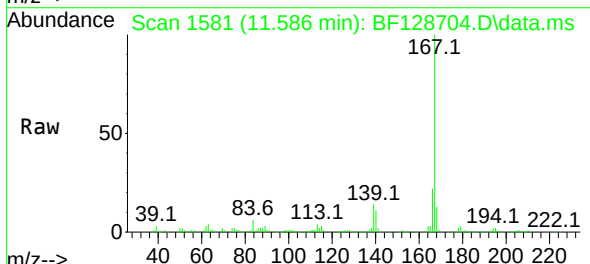
Manual Integrations
 APPROVED

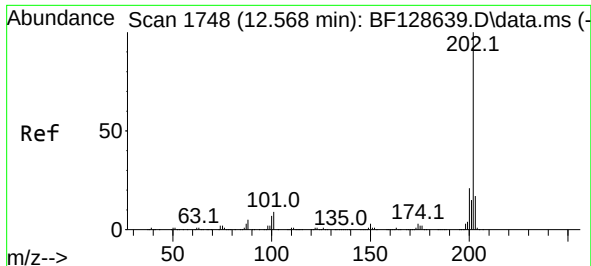
Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022



#73
 Carbazole
 Concen: 21.658 ng
 RT: 11.586 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF128704.D
 Acq: 06 Jun 2022 18:58

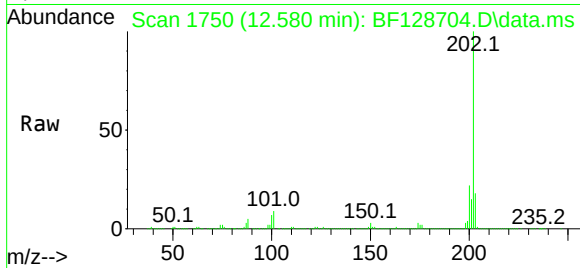
Tgt Ion:167 Resp: 154416
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.6 11.2 16.8





#75
Fluoranthene
Concen: 265.010 ng
RT: 12.580 min Scan# 1748
Delta R.T. 0.012 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

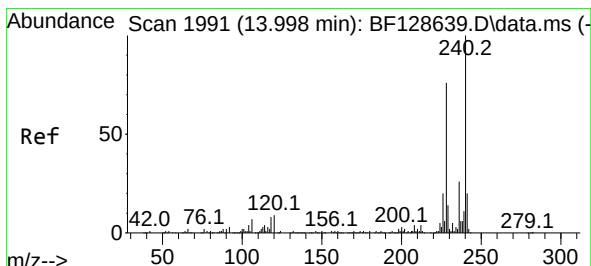
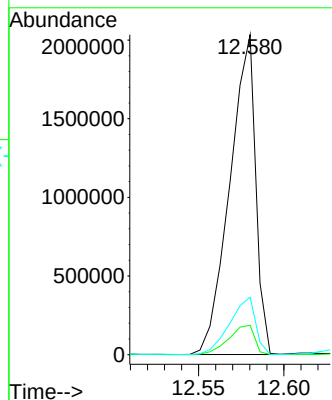
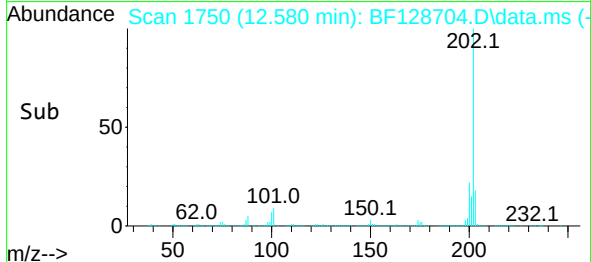
Instrument :
BNA_F
ClientSampleId :
21500



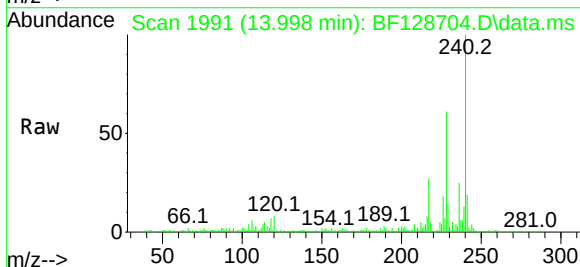
Tgt Ion:202 Resp: 214840
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.4
203 18.0 0.0 38.0

Manual Integrations
APPROVED

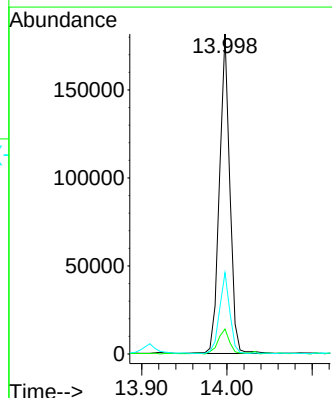
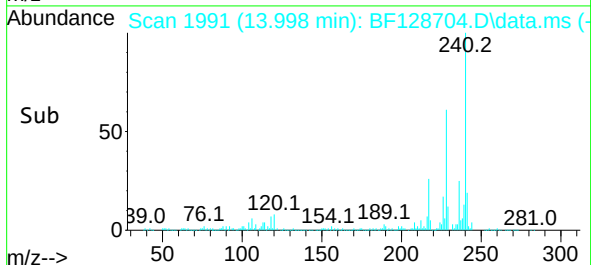
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

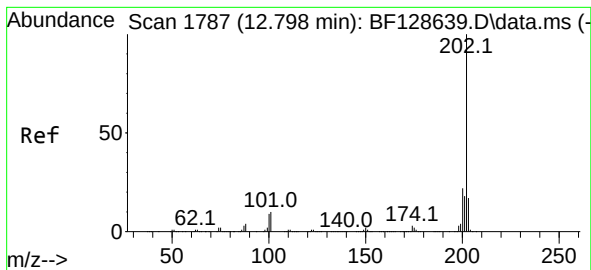


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



Tgt Ion:240 Resp: 153511
Ion Ratio Lower Upper
240 100
120 7.8 8.9 13.3#
236 25.4 20.8 31.2





#78

Pyrene

Concen: 132.431 ng

RT: 12.804 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF128704.D

Acq: 06 Jun 2022 18:58

Instrument :

BNA_F

ClientSampleId :

21500

Tgt Ion:202 Resp: 1512509

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

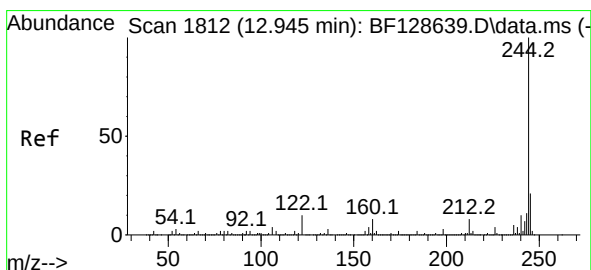
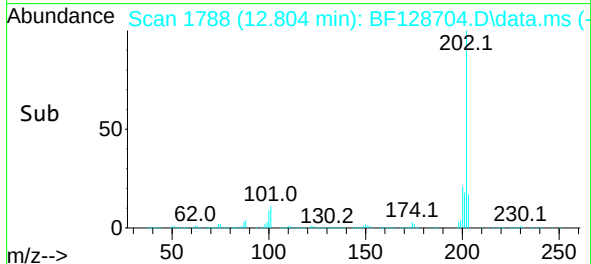
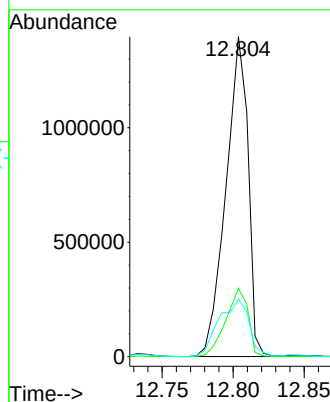
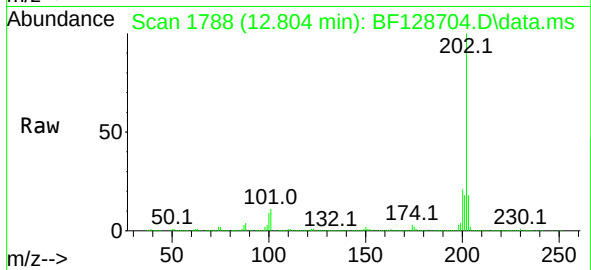
203 17.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#79

Terphenyl-d14

Concen: 53.768 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF128704.D

Acq: 06 Jun 2022 18:58

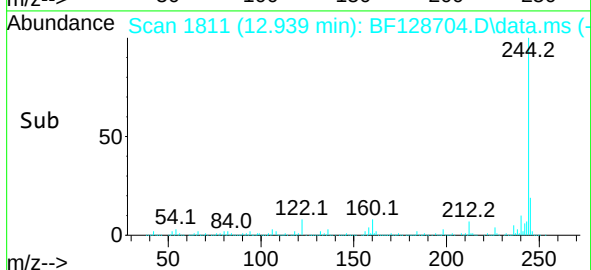
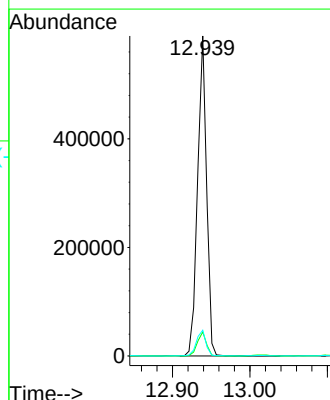
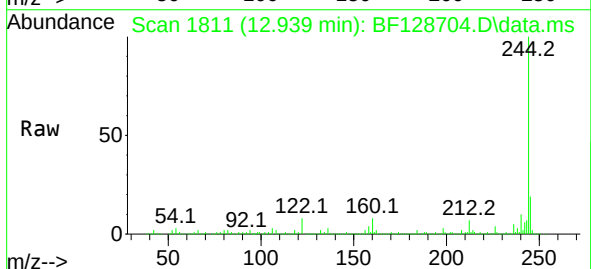
Tgt Ion:244 Resp: 475012

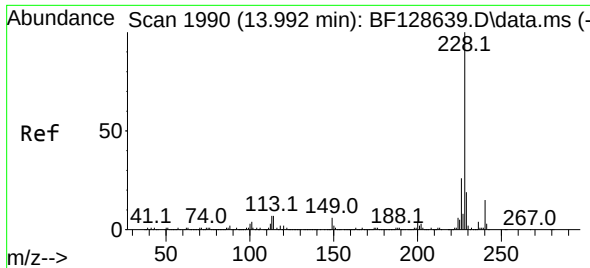
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

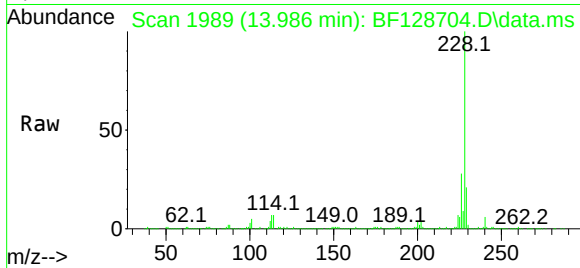
122 8.1 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 52.490 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

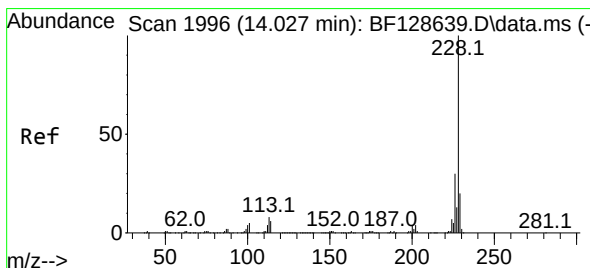
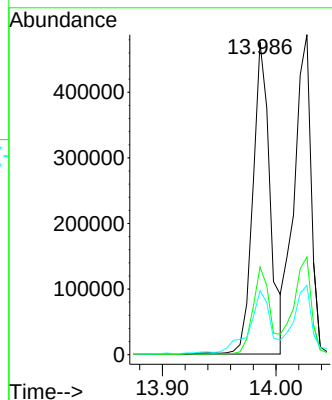
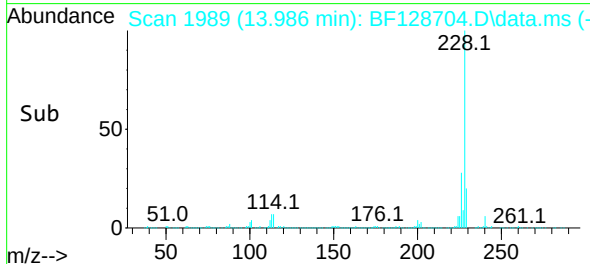
Instrument :
BNA_F
ClientSampleId :
21500



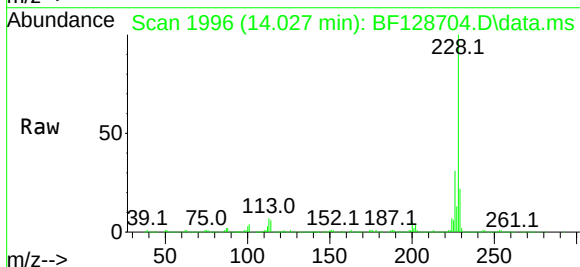
Tgt Ion:228 Resp: 502260
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.5 15.8 23.8

Manual Integrations
APPROVED

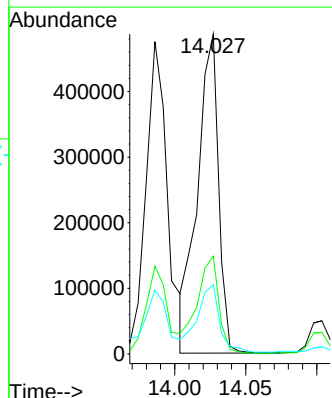
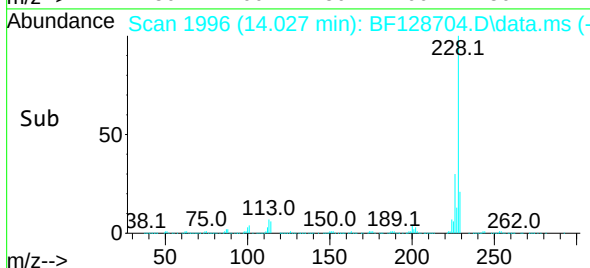
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

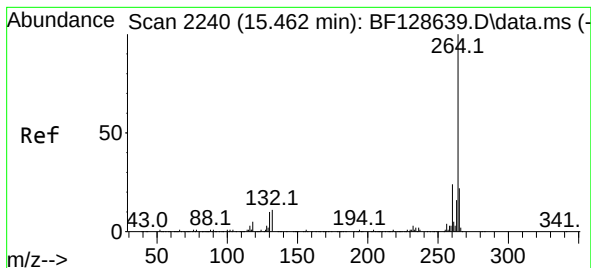


#83
Chrysene
Concen: 55.138 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



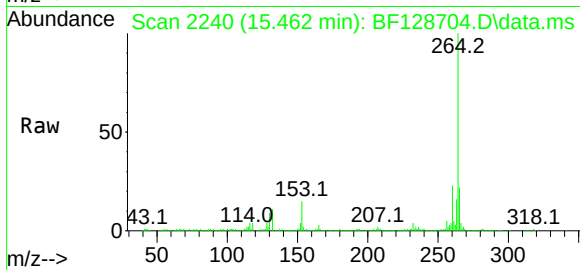
Tgt Ion:228 Resp: 503010
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.7 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 21500
Delta R.T. 0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

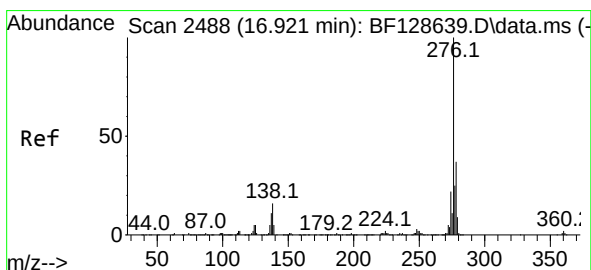
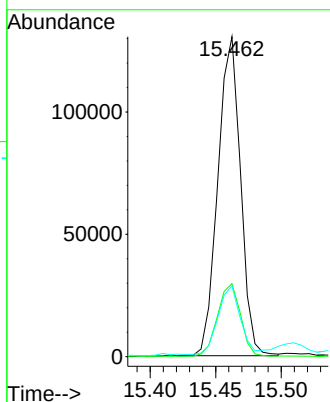
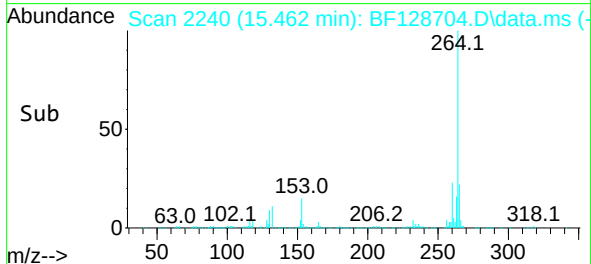
Instrument :
BNA_F
ClientSampleId :
21500



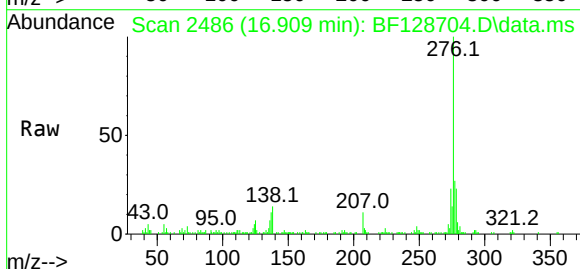
Tgt Ion:264 Resp: 15657
Ion Ratio Lower Upper
264 100
260 22.8 18.4 27.6
265 22.1 17.2 25.8

Manual Integrations
APPROVED

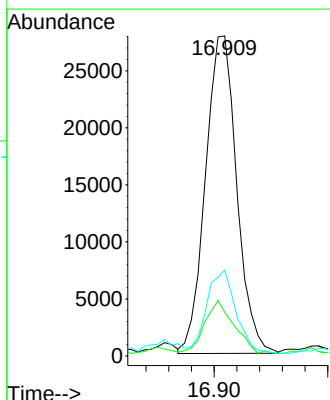
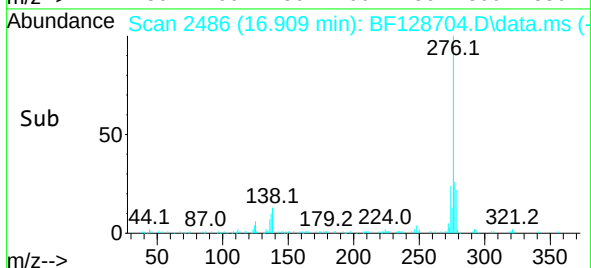
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

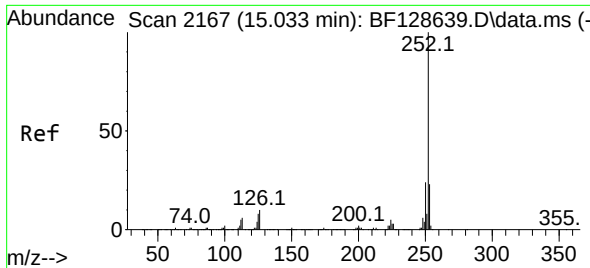


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.655 ng
RT: 16.909 min Scan# 2486
Delta R.T. -0.012 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



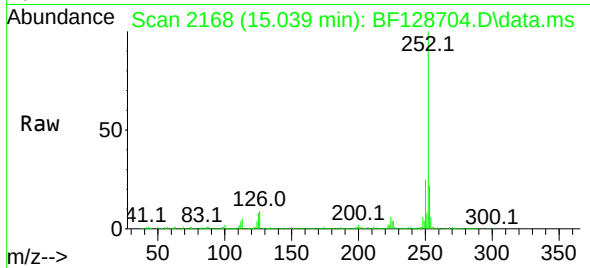
Tgt Ion:276 Resp: 53367
Ion Ratio Lower Upper
276 100
138 16.6 21.1 31.7#
277 25.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 34.624 ng m
RT: 15.039 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

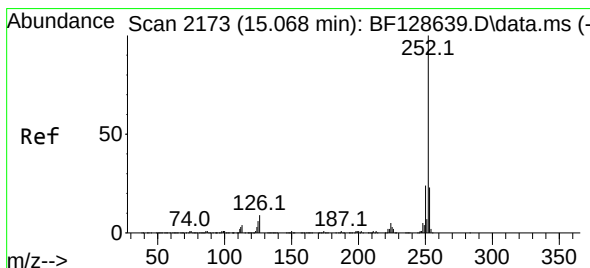
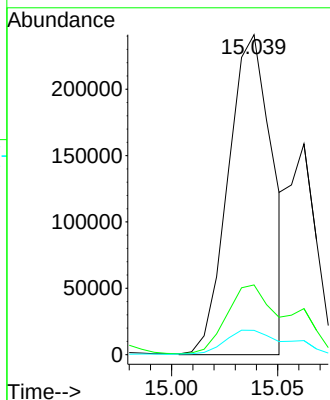
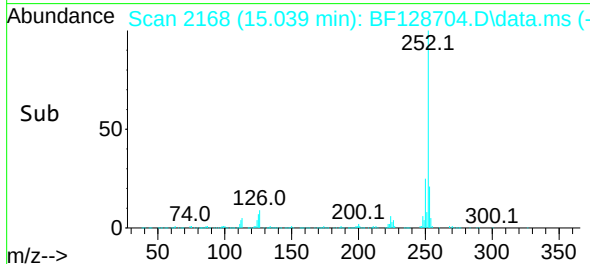
Instrument :
BNA_F
ClientSampleId :
21500



Tgt Ion:252 Resp: 346399
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 7.6 8.0 12.0

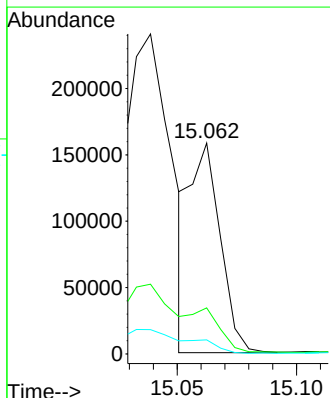
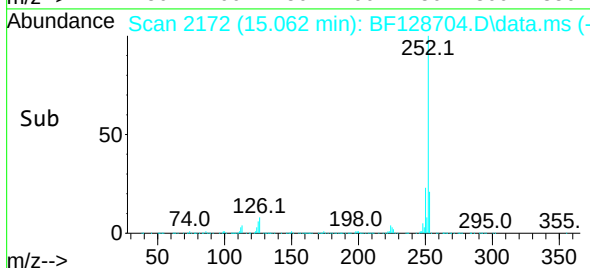
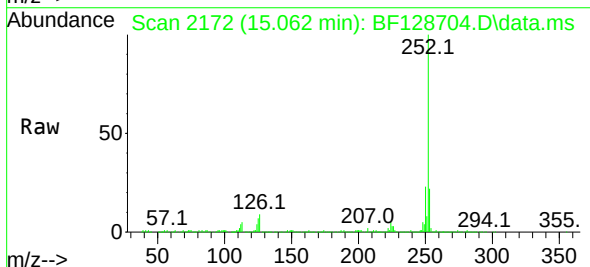
Manual Integrations
APPROVED

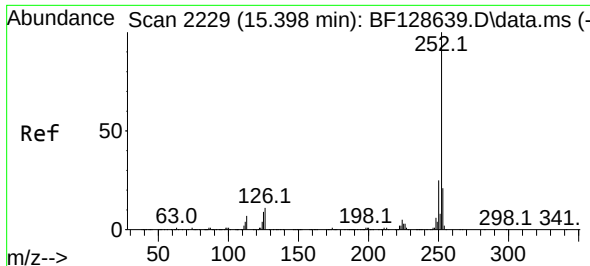
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#89
Benzo(k)fluoranthene
Concen: 14.734 ng m
RT: 15.062 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

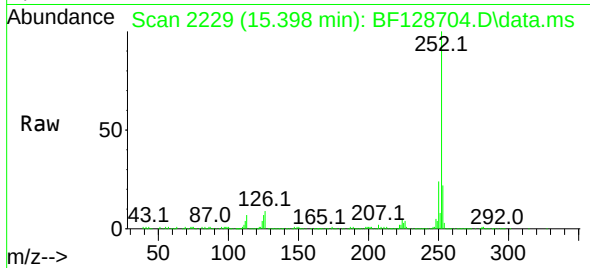
Tgt Ion:252 Resp: 138669
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 6.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 21.314 ng m
RT: 15.398 min Scan# 21500
Delta R.T. -0.000 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58

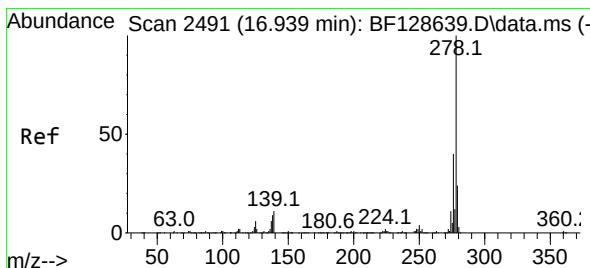
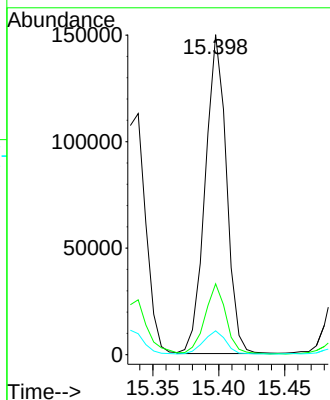
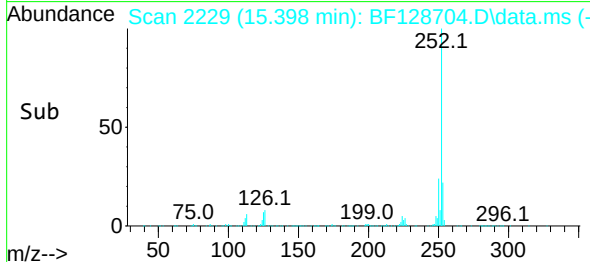
Instrument :
BNA_F
ClientSampleId :
21500



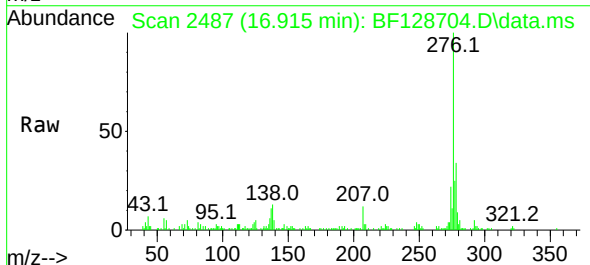
Tgt Ion:252 Resp: 167598
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 7.5 8.8 13.2

Manual Integrations
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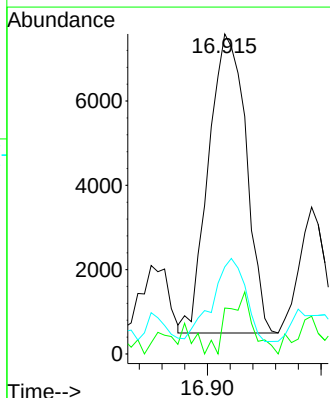
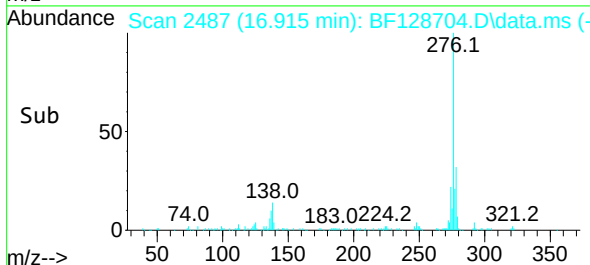
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

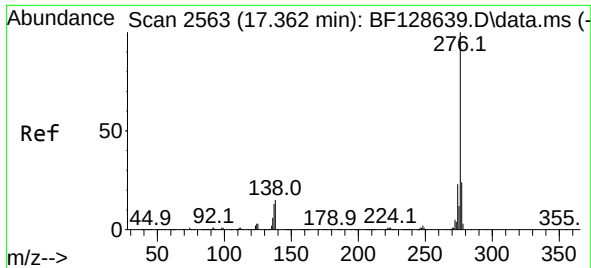


#91
Dibenzo(a,h)anthracene
Concen: 2.082 ng
RT: 16.915 min Scan# 2487
Delta R.T. -0.024 min
Lab File: BF128704.D
Acq: 06 Jun 2022 18:58



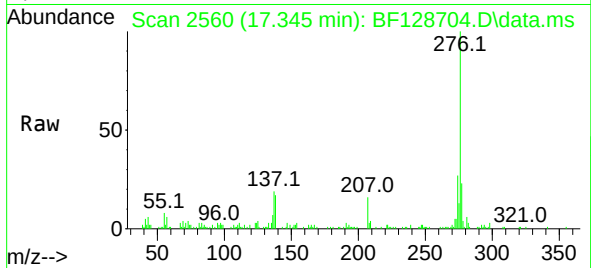
Tgt Ion:278 Resp: 16301
Ion Ratio Lower Upper
278 100
139 14.3 12.8 19.2
279 27.2 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.343 ng
 RT: 17.345 min Scan# 21500
 Delta R.T. -0.018 min
 Lab File: BF128704.D
 Acq: 06 Jun 2022 18:58

Instrument : BNA_F
 ClientSampleId : 21500



Tgt Ion: 276 Resp: 41452

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.1	28.7
138	17.1	18.0	27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/07/2022
 Supervised By : Jagrut Upadhyay 06/07/2022

