

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129831.D
 Acq On : 17 Aug 2022 02:07
 Operator : CG\JU
 Sample : N4216-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/17/2022
 Supervised By : Jagrut Upadhyay 08/17/2022

Quant Time: Aug 17 04:45:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	111339	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	377114	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	162499	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	276201	20.000	ng	0.00
76) Chrysene-d12	14.004	240	226858	20.000	ng	0.00
86) Perylene-d12	15.480	264	170218	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	677752	100.787	ng	0.00
7) Phenol-d6	6.475	99	794253	94.317	ng	0.00
23) Nitrobenzene-d5	7.387	82	475189	67.454	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	152895	93.748	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	782166	73.106	ng	-0.01
79) Terphenyl-d14	12.934	244	864074	63.377	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.375	178	769489	49.883	ng	99
72) Anthracene	11.428	178	92843	6.052	ng	99
73) Carbazole	11.587	167	186499	13.393	ng	99
75) Fluoranthene	12.581	202	2604297	164.986	ng	97
78) Pyrene	12.810	202	2264923	114.890	ng	98
81) Benzo(a)anthracene	13.998	228	1006521	64.497	ng	98
83) Chrysene	14.033	228	1169309	80.045	ng	98
87) Indeno(1,2,3-cd)pyrene	16.969	276	418176	35.785	ng	94
88) Benzo(b)fluoranthene	15.051	252	1132359m	97.150	ng	
89) Benzo(k)fluoranthene	15.075	252	353857m	31.657	ng	
90) Benzo(a)pyrene	15.422	252	657996	71.686	ng	98
91) Dibenzo(a,h)anthracene	16.969	278	108359	11.238	ng	# 89
92) Benzo(g,h,i)perylene	17.416	276	407286	42.340	ng	98

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

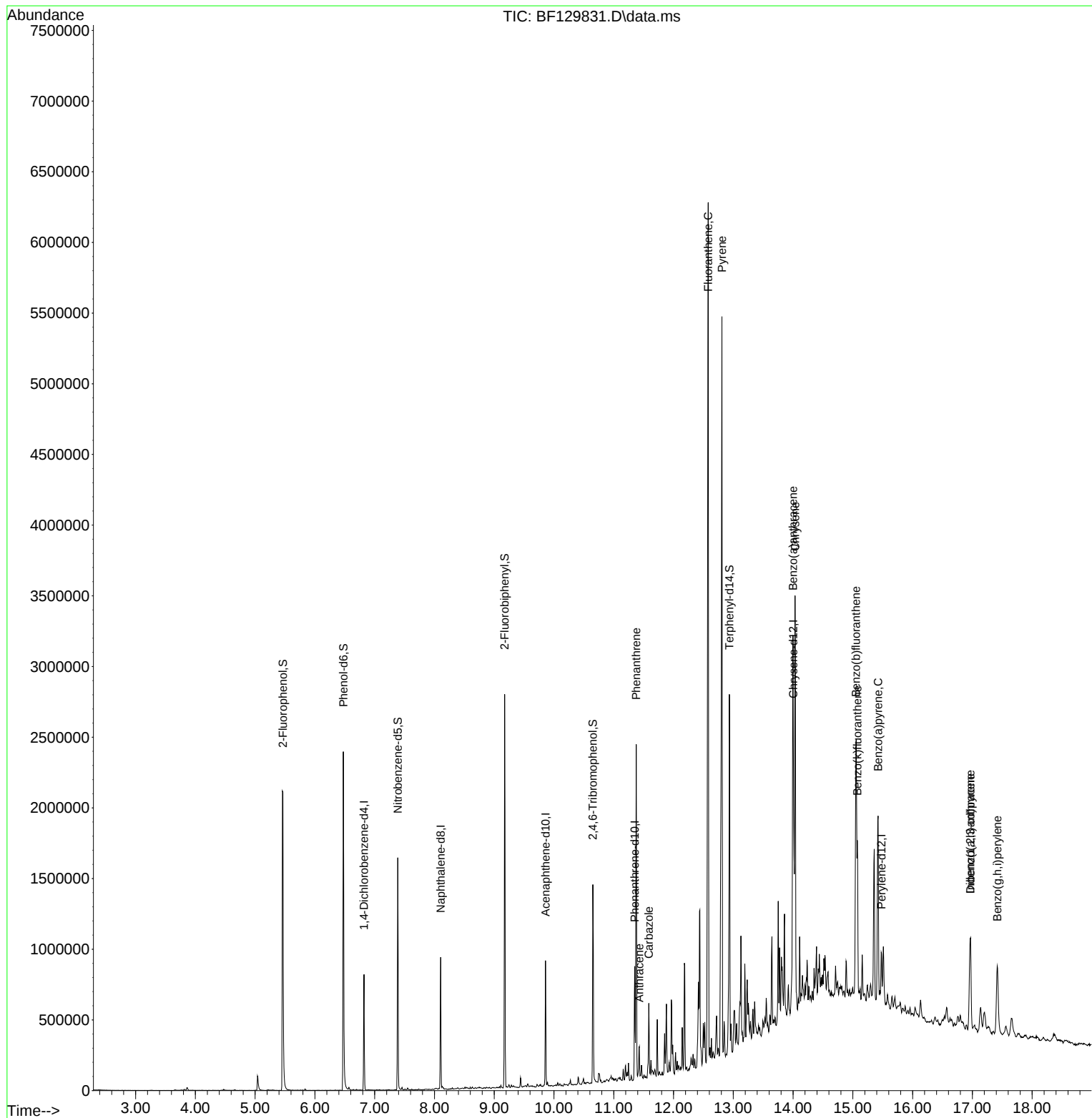
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Quant Time: Aug 17 04:45:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 15 02:28:31 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

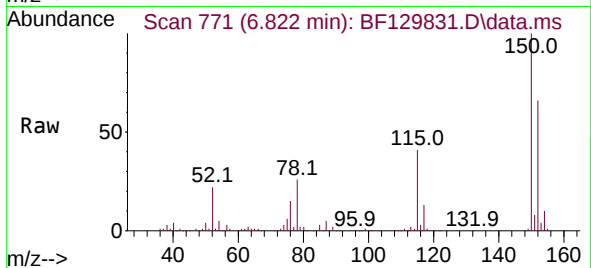
Reviewed By : Christian Giraldo 08/17/2022
Supervised By : Jagrut Upadhyay 08/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

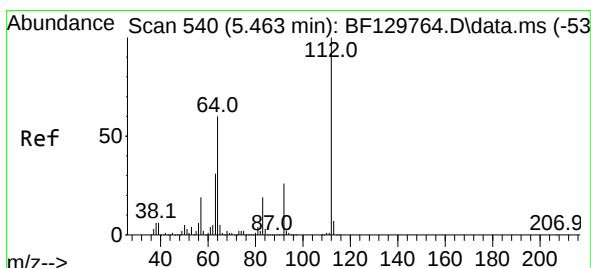
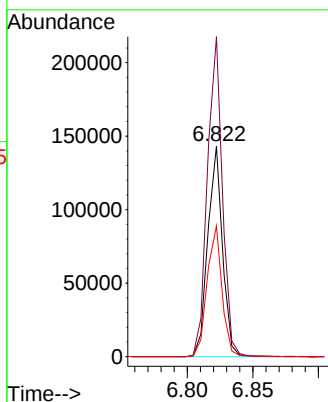
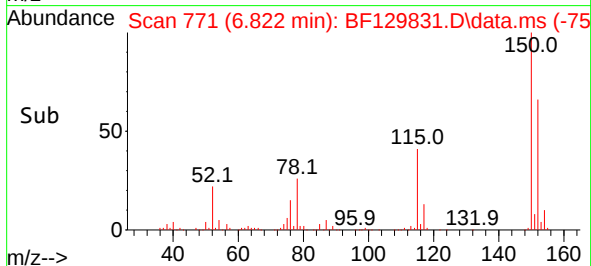
Instrument :
BNA_F
ClientSampleId :
NB-08-081522



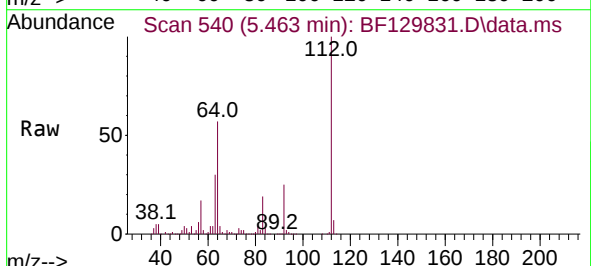
Tgt Ion:152 Resp: 111339
Ion Ratio Lower Upper
152 100
150 152.1 126.9 190.3
115 62.1 53.4 80.0

Manual Integrations
APPROVED

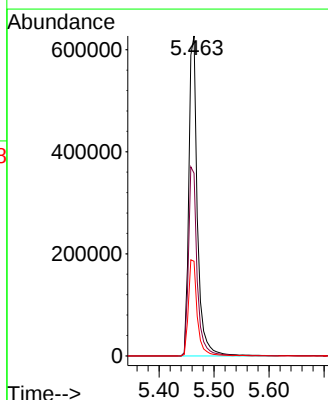
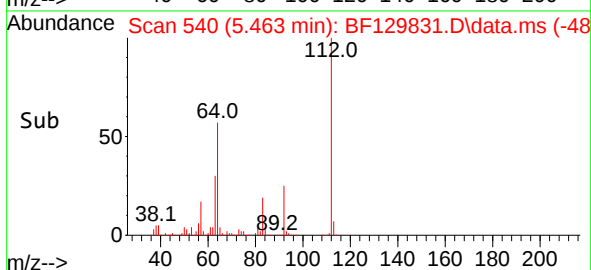
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#5
2-Fluorophenol
Concen: 100.787 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07



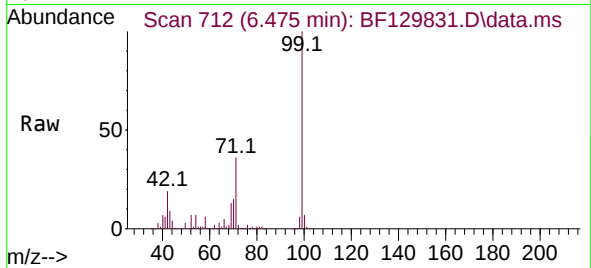
Tgt Ion:112 Resp: 677752
Ion Ratio Lower Upper
112 100
64 57.1 47.6 71.4
63 29.6 24.6 37.0





#7
Phenol-d6
Concen: 94.317 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

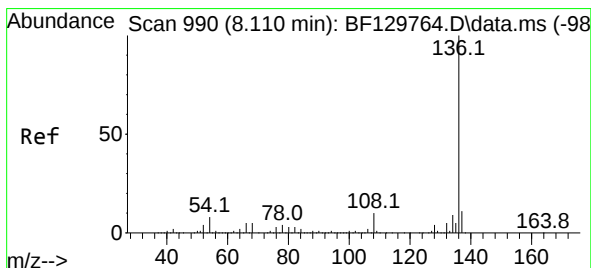
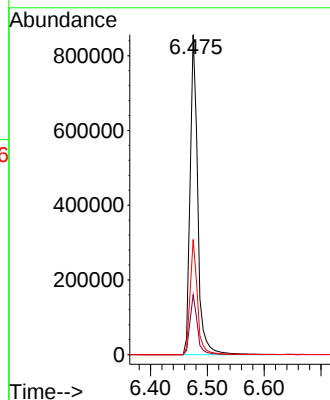
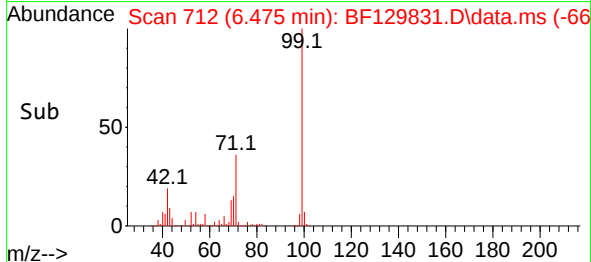
Instrument :
BNA_F
ClientSampleId :
NB-08-081522



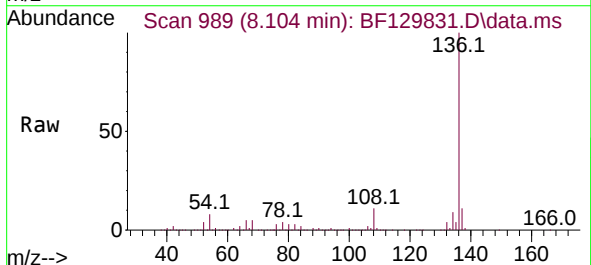
Tgt Ion: 99 Resp: 794253
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 36.0 28.8 43.2

Manual Integrations
APPROVED

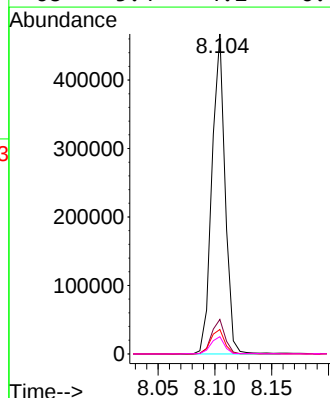
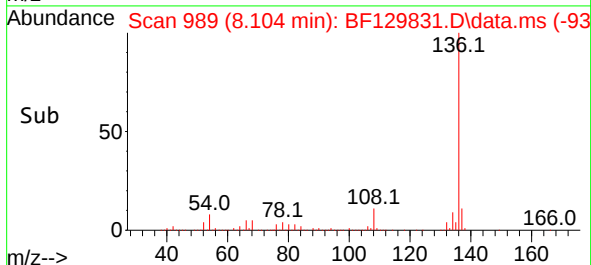
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07



Tgt Ion:136 Resp: 377114
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.6 6.2 9.2
68 5.4 4.2 6.4





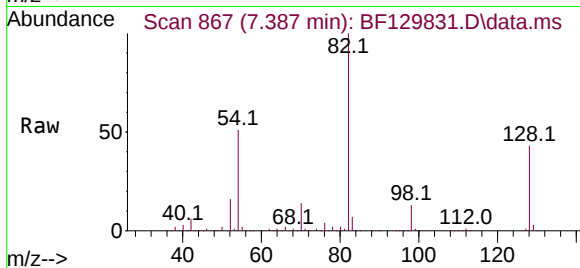
#23
Nitrobenzene-d5
Concen: 67.454 ng
RT: 7.387 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522

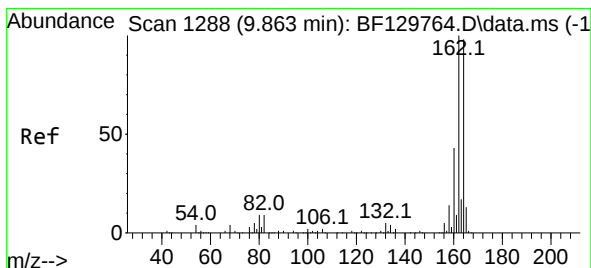
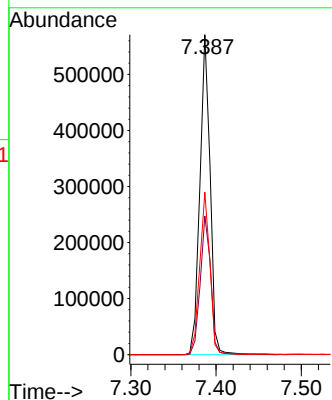
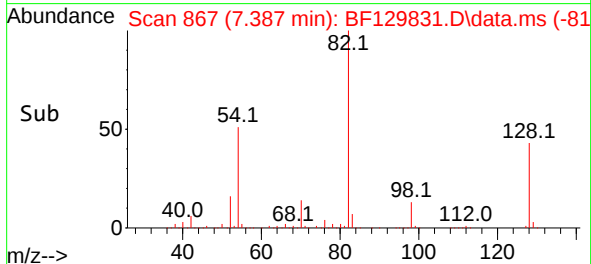


Tgt Ion: 82 Resp: 475189
Ion Ratio Lower Upper
82 100
128 43.3 36.1 54.1
54 50.7 40.0 60.0

Manual Integrations

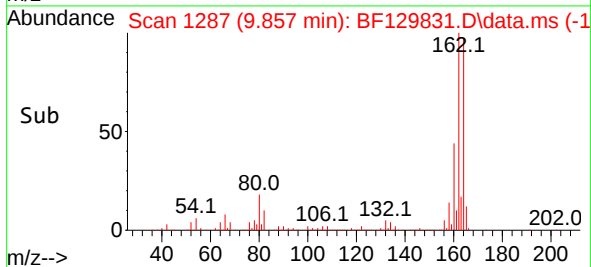
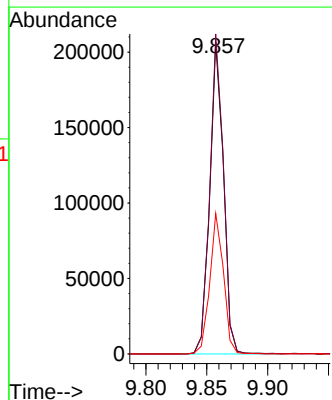
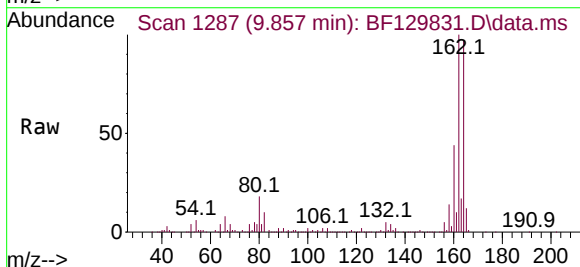
APPROVED

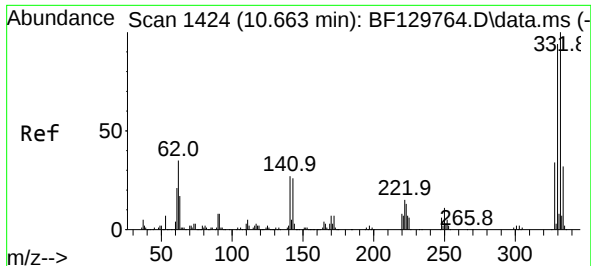
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:164 Resp: 162499
Ion Ratio Lower Upper
164 100
162 103.0 82.0 123.0
160 45.2 35.4 53.0





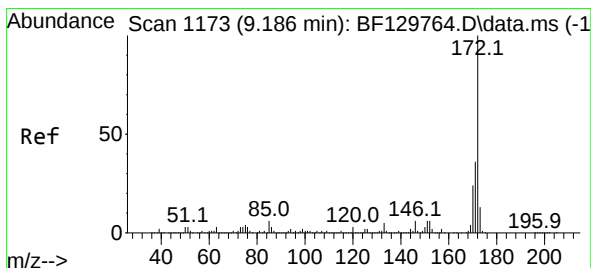
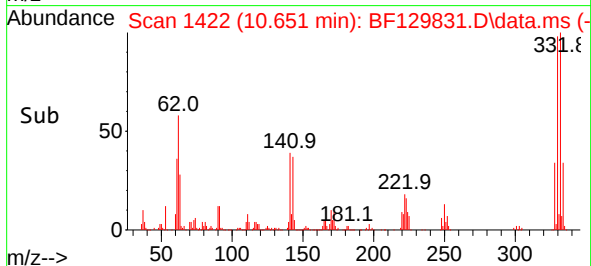
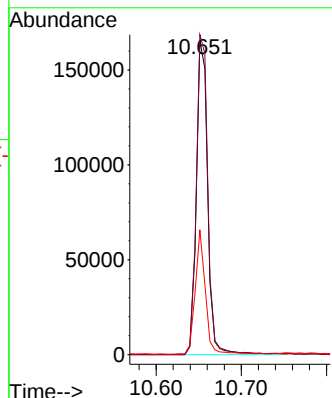
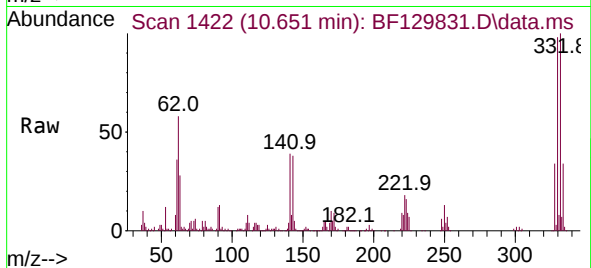
#42
2,4,6-Tribromophenol
Concen: 93.748 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Tgt Ion: 330 Resp: 152895
Ion Ratio Lower Upper
330 100
332 103.9 82.6 124.0
141 35.2 27.6 41.4

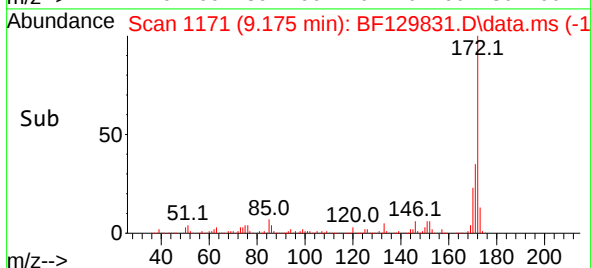
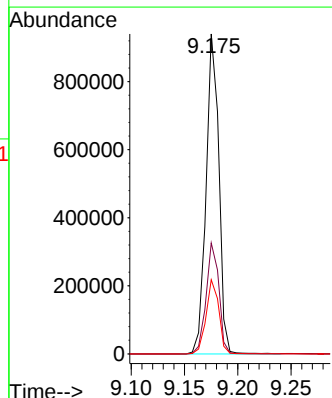
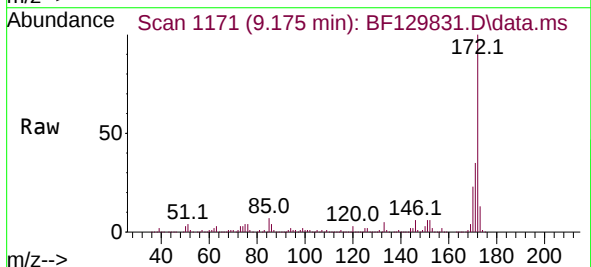
Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/17/2022
Supervised By : Jagrut Upadhyay 08/17/2022



#45
2-Fluorobiphenyl
Concen: 73.106 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.011 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion: 172 Resp: 782166
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

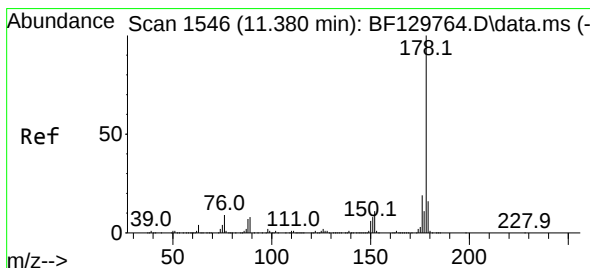
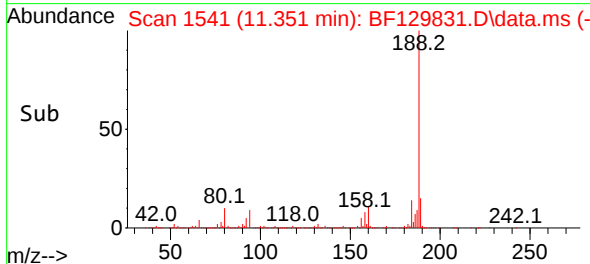
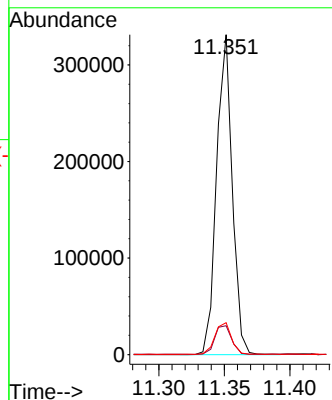
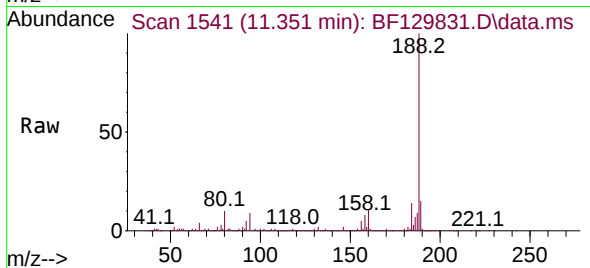
NB-08-081522

Tgt Ion:188 Resp: 276201
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.0 7.9 11.9

Manual Integrations

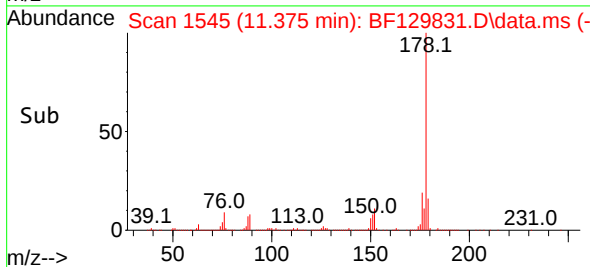
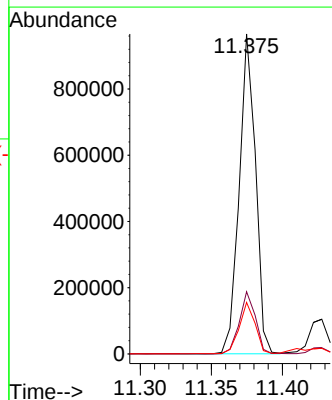
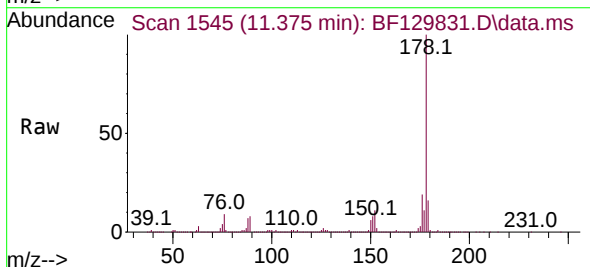
APPROVED

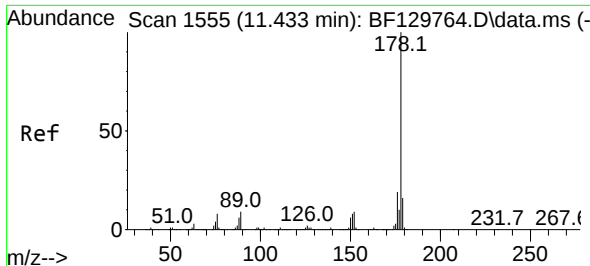
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#71
Phenanthrene
Concen: 49.883 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

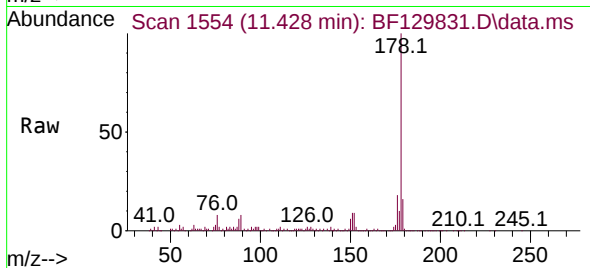
Tgt Ion:178 Resp: 769489
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.1 12.5 18.7





#72
 Anthracene
 Concen: 6.052 ng
 RT: 11.428 min Scan# 1555
 Delta R.T. -0.006 min
 Lab File: BF129831.D
 Acq: 17 Aug 2022 02:07

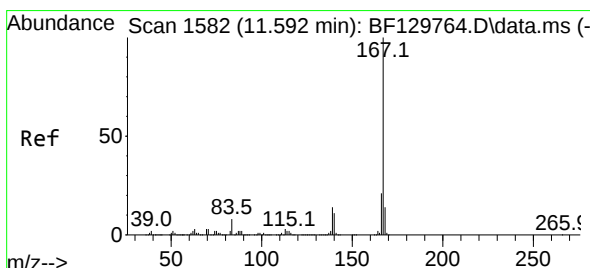
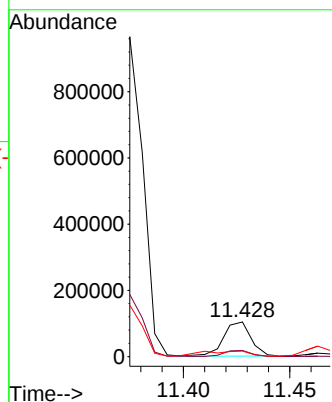
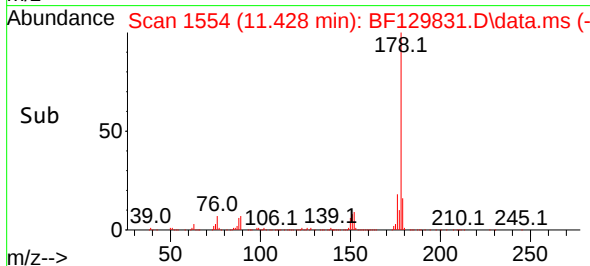
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522



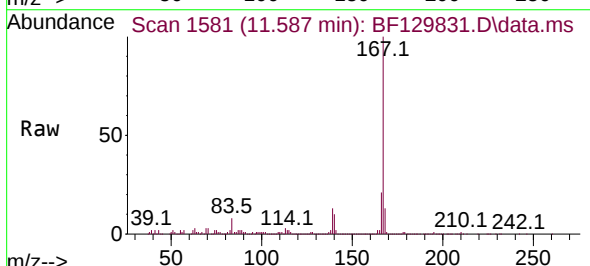
Tgt Ion:178 Resp: 92843
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.1 22.7
 179 15.8 12.6 18.8

Manual Integrations
 APPROVED

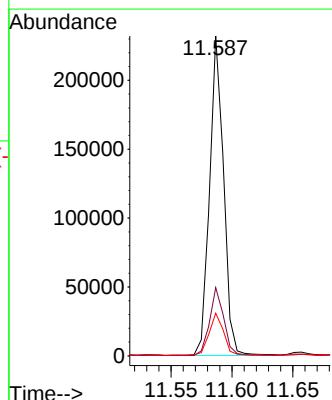
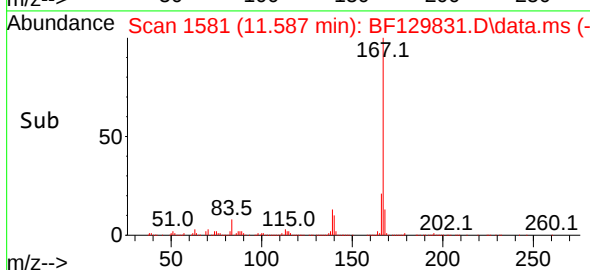
Reviewed By :Christian Giraldo 08/17/2022
 Supervised By :Jagrut Upadhyay 08/17/2022

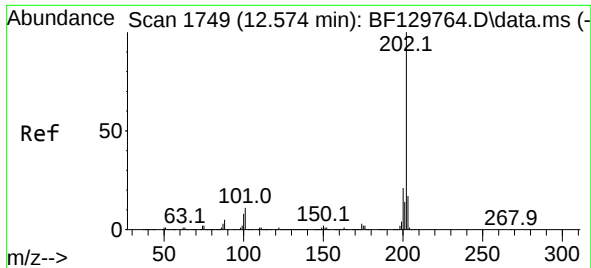


#73
 Carbazole
 Concen: 13.393 ng
 RT: 11.587 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF129831.D
 Acq: 17 Aug 2022 02:07



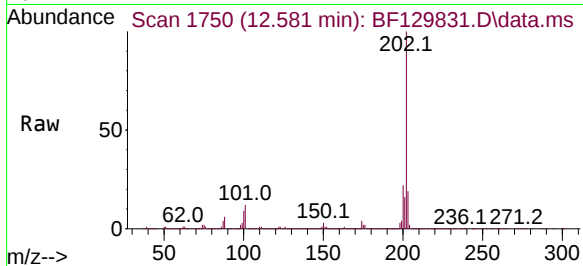
Tgt Ion:167 Resp: 186499
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 13.3 11.0 16.6





#75
Fluoranthene
Concen: 164.986 ng
RT: 12.581 min Scan# 1749
Delta R.T. 0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

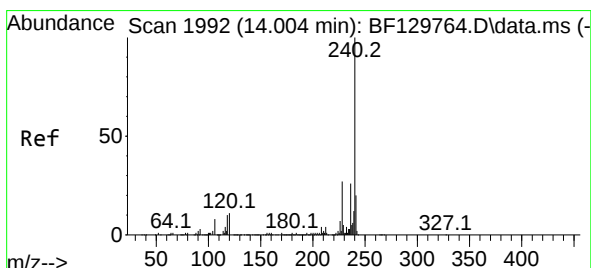
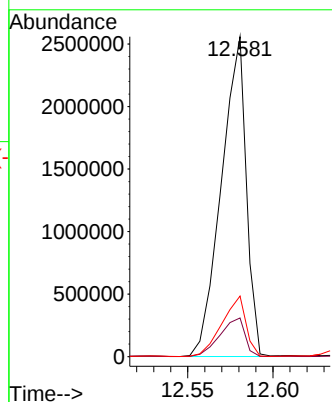
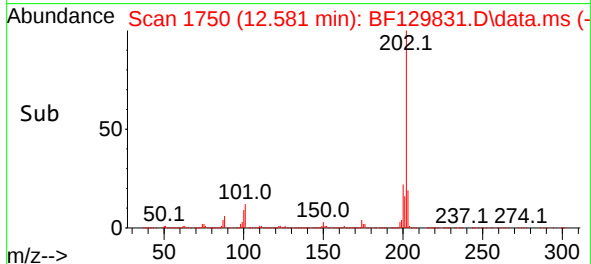
Instrument :
BNA_F
ClientSampleId :
NB-08-081522



Tgt Ion:202 Resp: 2604297
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 18.9 0.0 37.5

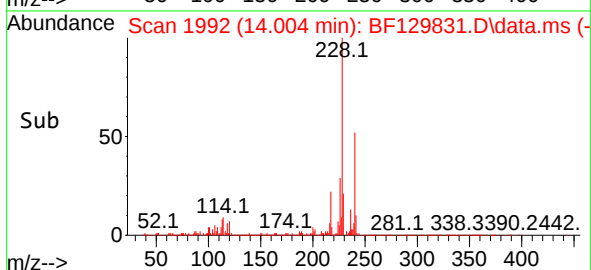
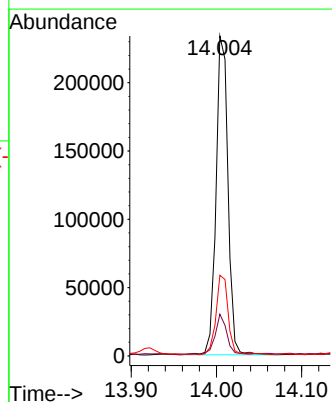
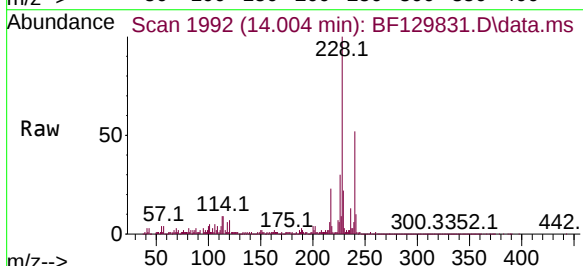
Manual Integrations
APPROVED

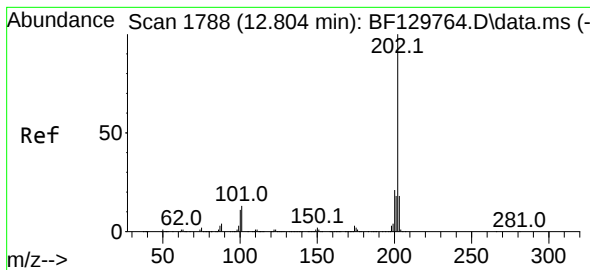
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:240 Resp: 226858
Ion Ratio Lower Upper
240 100
120 13.0 9.2 13.8
236 25.2 20.7 31.1





#78

Pyrene

Concen: 114.890 ng

RT: 12.810 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522

Tgt Ion:202 Resp: 2264923

Ion Ratio Lower Upper

202 100

200 22.1 17.0 25.6

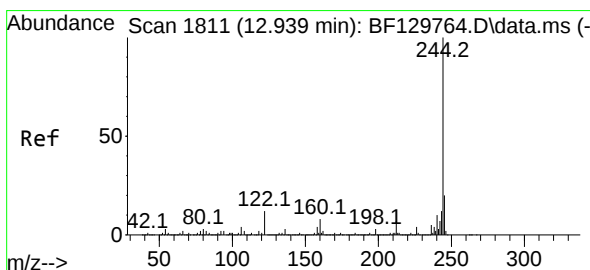
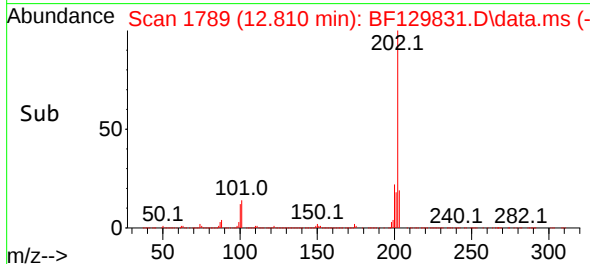
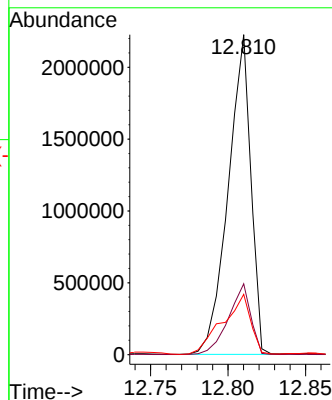
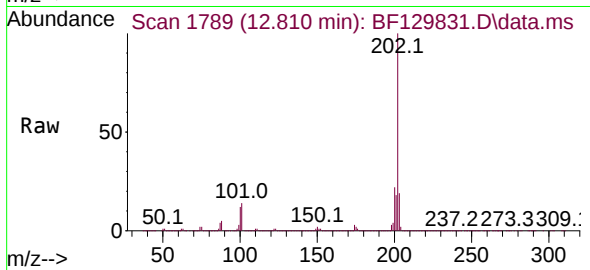
203 18.8 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/17/2022

Supervised By :Jagrut Upadhyay 08/17/2022



#79

Terphenyl-d14

Concen: 63.377 ng

RT: 12.934 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

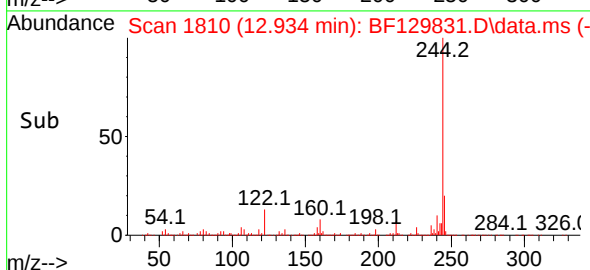
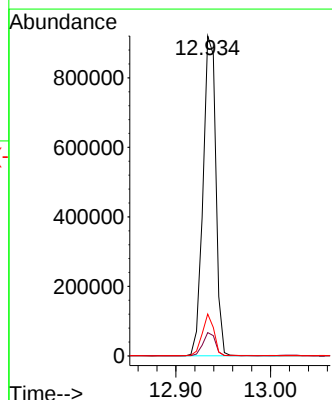
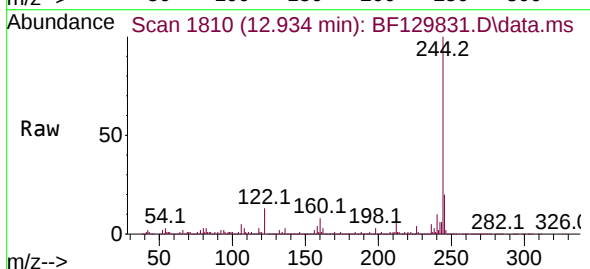
Tgt Ion:244 Resp: 864074

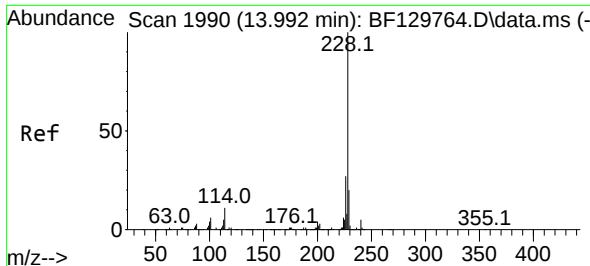
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 13.1 9.9 14.9





#81
Benzo(a)anthracene
Concen: 64.497 ng
RT: 13.998 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

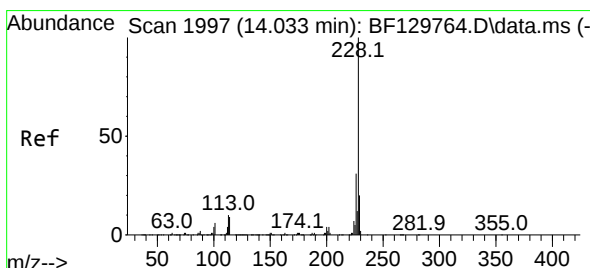
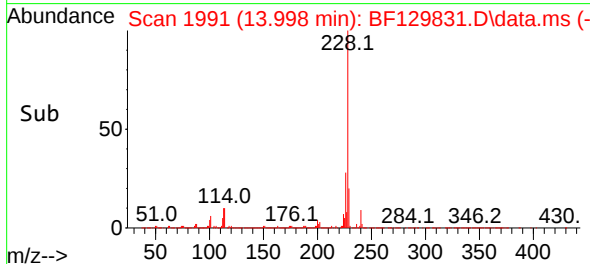
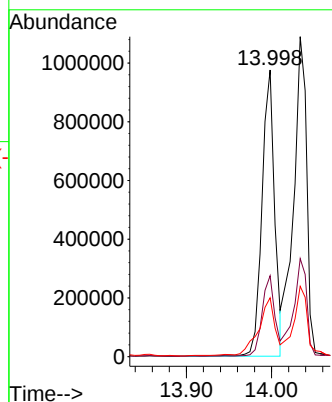
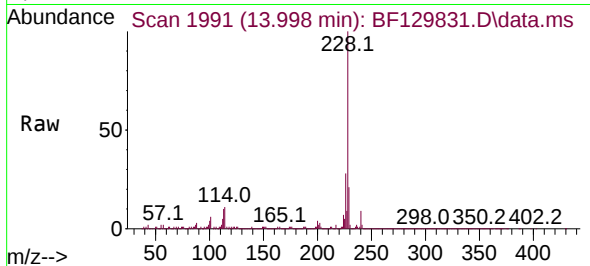
ClientSampleId :

NB-08-081522

Tgt Ion:228 Resp: 100652
Ion Ratio Lower Upper
228 100
226 28.2 21.4 32.0
229 20.5 16.1 24.1

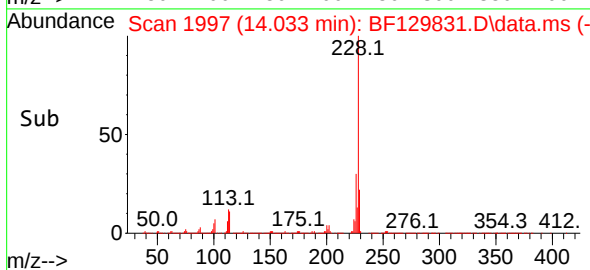
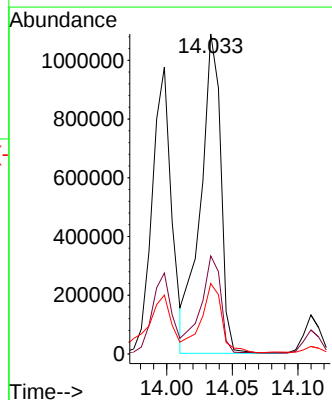
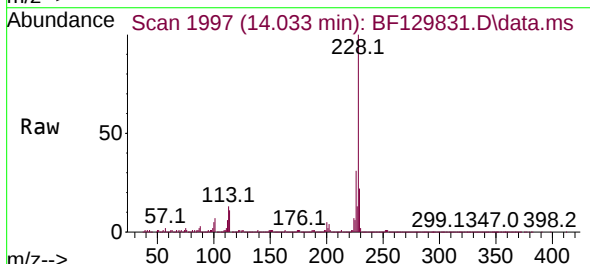
Manual Integrations
APPROVED

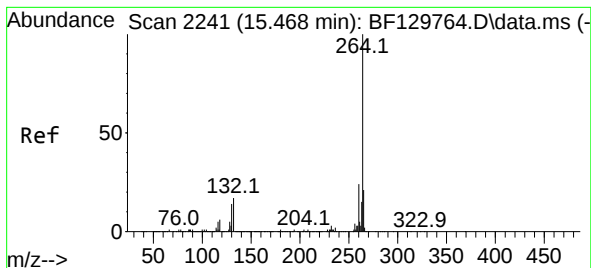
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#83
Chrysene
Concen: 80.045 ng
RT: 14.033 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:228 Resp: 1169309
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2241
Delta R.T. 0.012 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

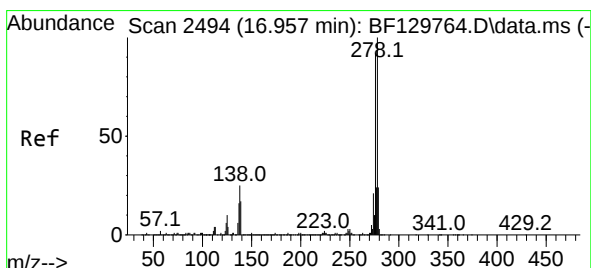
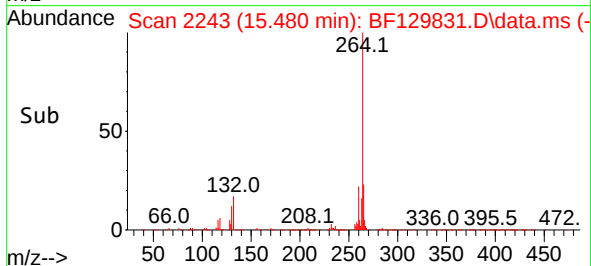
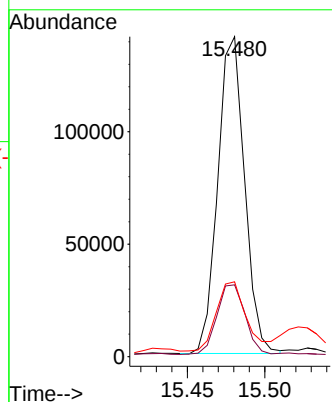
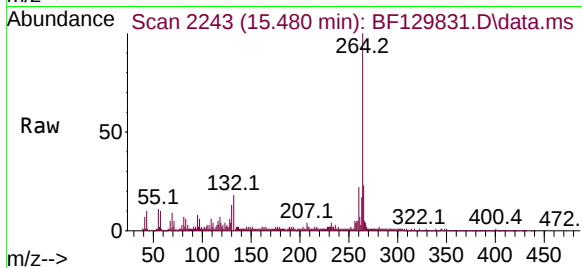
NB-08-081522

Tgt Ion:264 Resp: 170218
Ion Ratio Lower Upper
264 100
260 22.4 19.1 28.7
265 23.4 16.7 25.1

Manual Integrations

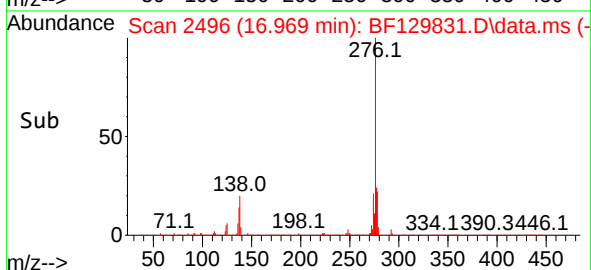
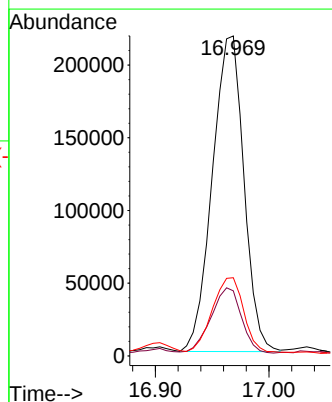
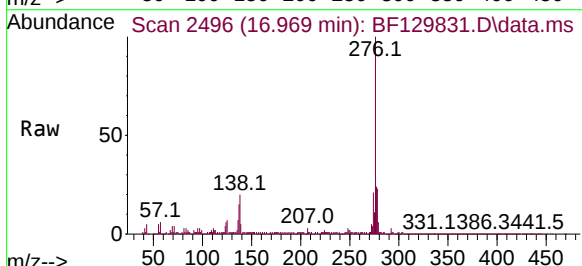
APPROVED

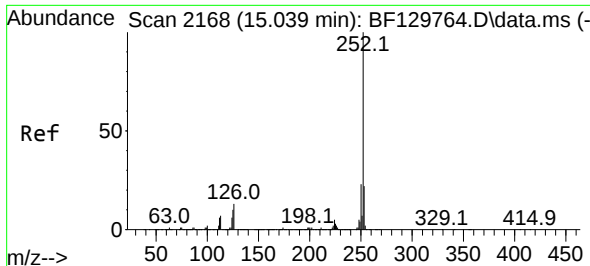
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 35.785 ng
RT: 16.969 min Scan# 2496
Delta R.T. 0.012 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

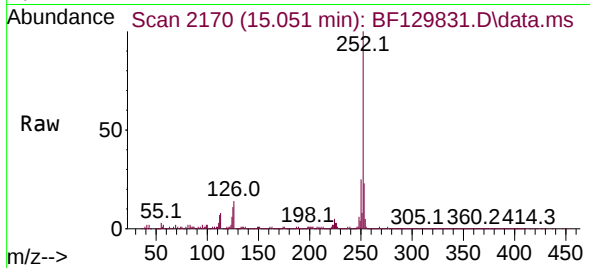
Tgt Ion:276 Resp: 418176
Ion Ratio Lower Upper
276 100
138 20.9 19.8 29.8
277 23.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 97.150 ng m
RT: 15.051 min Scan# 2168
Delta R.T. 0.012 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

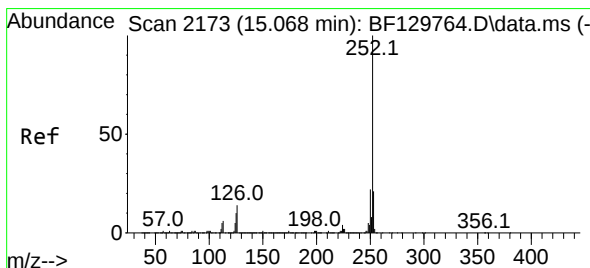
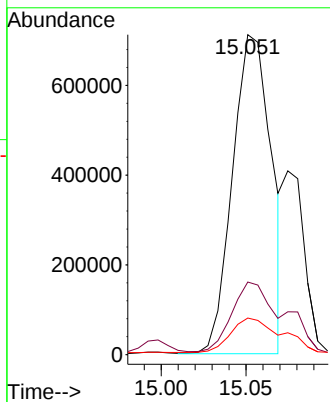
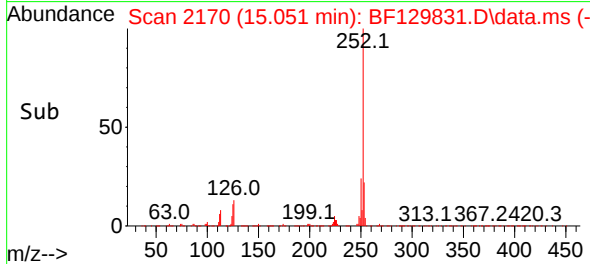
Instrument :
BNA_F
ClientSampleId :
NB-08-081522



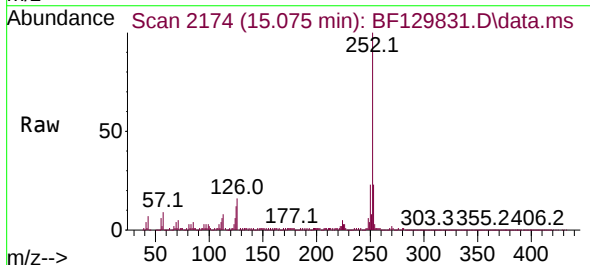
Tgt Ion:252 Resp: 1132359
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.4 8.3 12.5

Manual Integrations
APPROVED

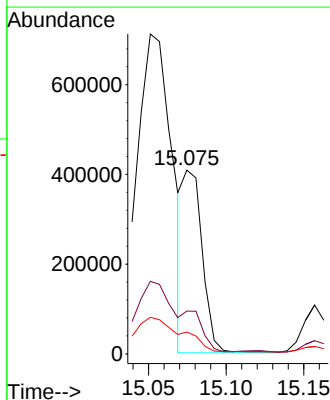
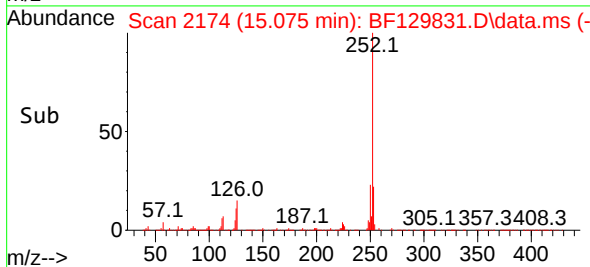
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

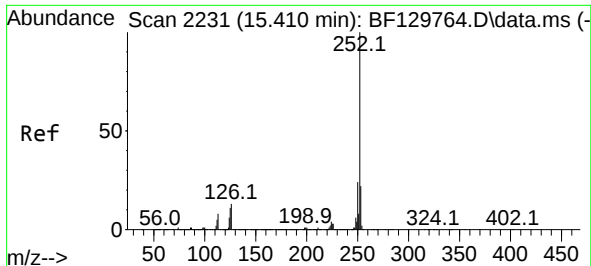


#89
Benzo(k)fluoranthene
Concen: 31.657 ng m
RT: 15.075 min Scan# 2174
Delta R.T. 0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07



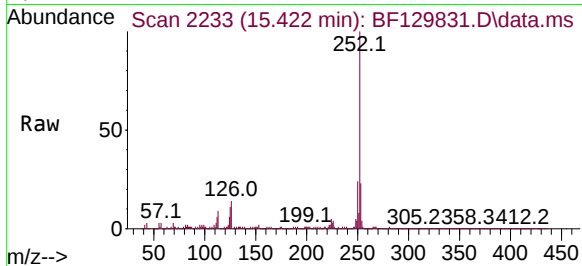
Tgt Ion:252 Resp: 353857
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 11.9 8.3 12.5





#90
Benzo(a)pyrene
Concen: 71.686 ng
RT: 15.422 min Scan# 2233
Delta R.T. 0.012 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

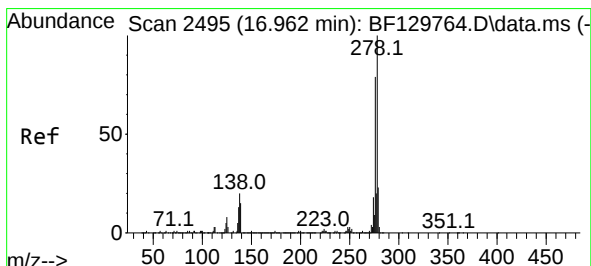
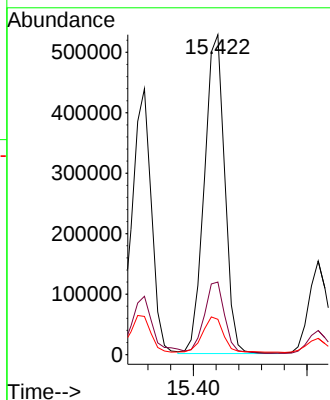
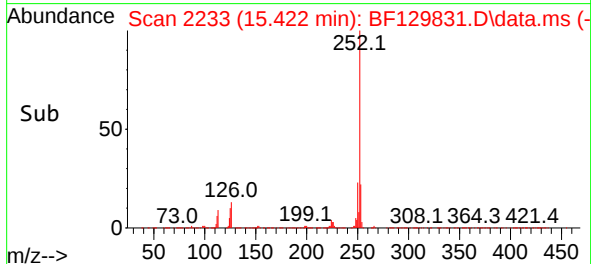
Instrument :
BNA_F
ClientSampleId :
NB-08-081522



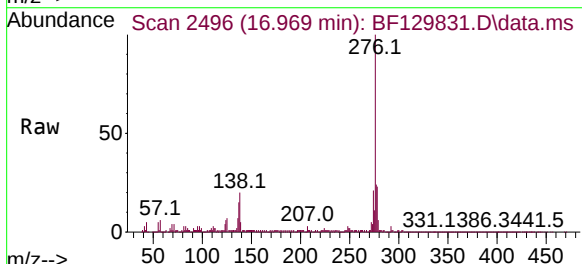
Tgt Ion:252 Resp: 657996
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 11.0 8.8 13.2

Manual Integrations
APPROVED

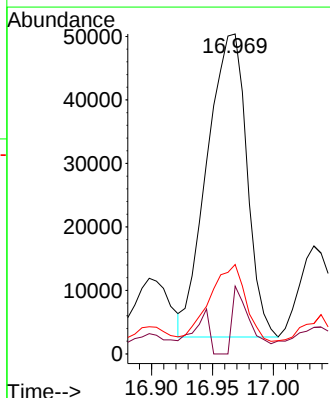
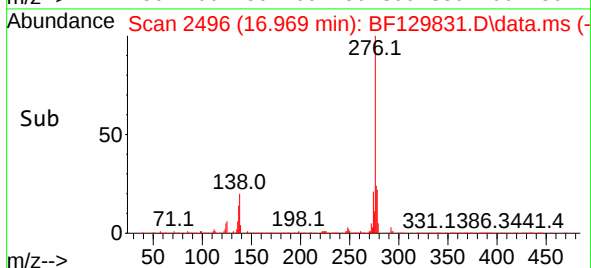
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

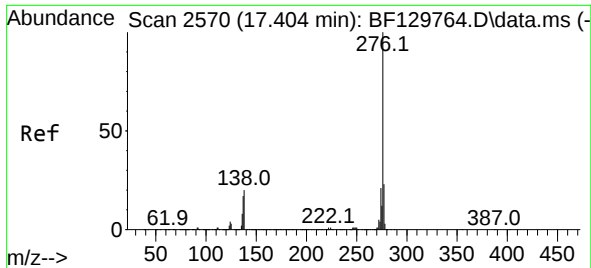


#91
Dibenzo(a,h)anthracene
Concen: 11.238 ng
RT: 16.969 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07



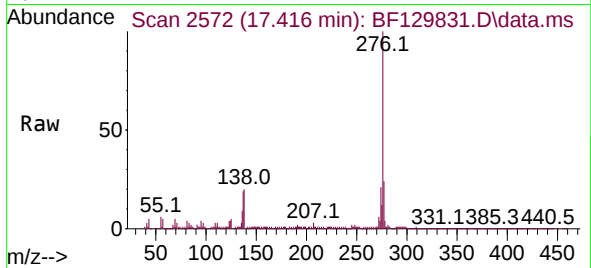
Tgt Ion:278 Resp: 108359
Ion Ratio Lower Upper
278 100
139 21.2 12.2 18.4#
279 27.9 18.7 28.1





#92
 Benzo(g,h,i)perylene
 Concen: 42.340 ng
 RT: 17.416 min Scan# 2572
 Delta R.T. 0.012 min
 Lab File: BF129831.D
 Acq: 17 Aug 2022 02:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522



Tgt Ion:276 Resp: 407286
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.2 27.4
 138 20.2 15.8 23.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/17/2022
 Supervised By :Jagrut Upadhyay 08/17/2022

