

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129557.D
 Acq On : 04 Aug 2022 00:22
 Operator : CG\JU
 Sample : N4009-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-080222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/04/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 04 02:21:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	118738	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	389301	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	175753	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	323186	20.000	ng	0.00
76) Chrysene-d12	14.045	240	309070	20.000	ng	0.00
86) Perylene-d12	15.533	264	223870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	797427	109.401	ng	0.00
7) Phenol-d6	6.516	99	912269	99.572	ng	0.00
23) Nitrobenzene-d5	7.434	82	560623	78.612	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	191143	113.120	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	862992	75.959	ng	-0.01
79) Terphenyl-d14	12.986	244	1066629	65.108	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	241234	13.674	ng	98
72) Anthracene	11.474	178	54606	3.150	ng	98
75) Fluoranthene	12.616	202	745050	41.681	ng	98
78) Pyrene	12.845	202	658341	25.472	ng	99
81) Benzo(a)anthracene	14.033	228	408247	19.337	ng	99
83) Chrysene	14.068	228	422975	21.257	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	160702	10.660	ng	95
88) Benzo(b)fluoranthene	15.098	252	486982m	32.793	ng	
89) Benzo(k)fluoranthene	15.121	252	123135m	8.461	ng	
90) Benzo(a)pyrene	15.468	252	279739	23.206	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	41564	3.387	ng	# 87
92) Benzo(g,h,i)perylene	17.486	276	152450	12.159	ng	98

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

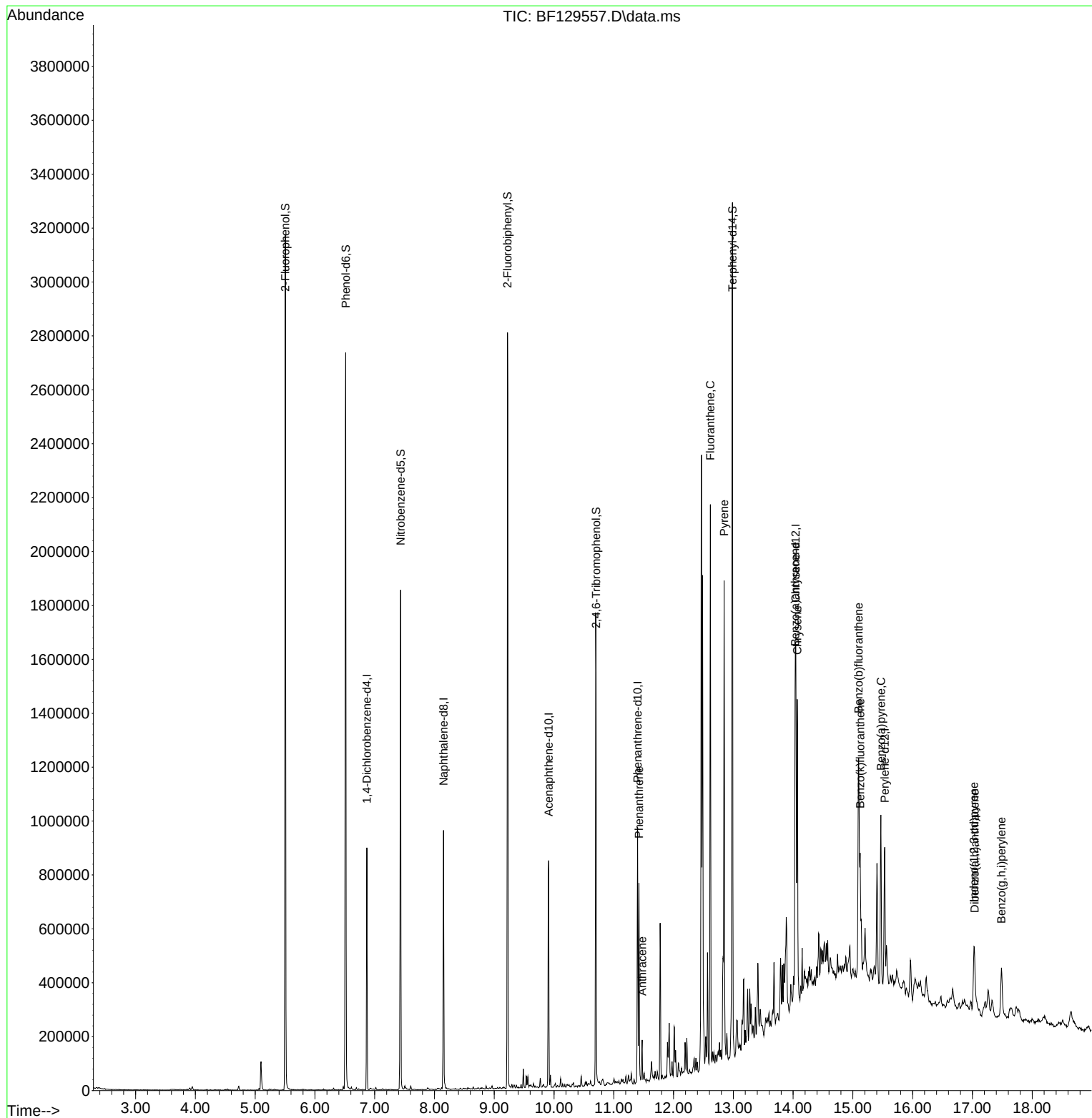
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129557.D
Acq On : 04 Aug 2022 00:22
Operator : CG\JU
Sample : N4009-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

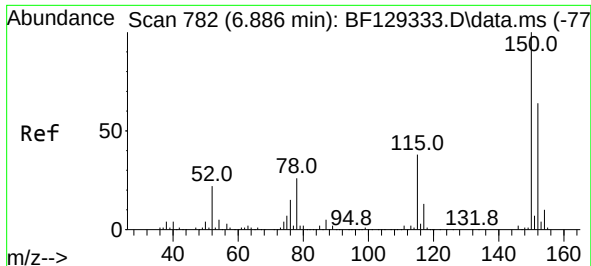
Instrument :
BNA_F
ClientSampleId :
TR-05-080222

Quant Time: Aug 04 02:21:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

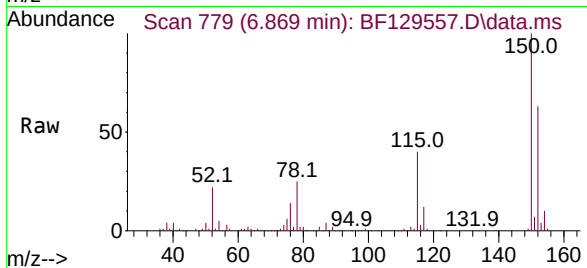
Reviewed By : Christian Giraldo 08/04/2022
Supervised By : Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

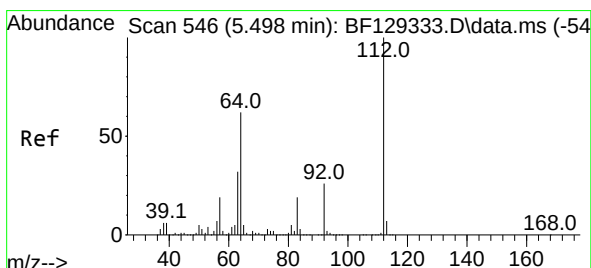
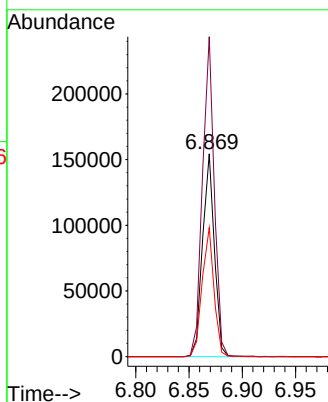
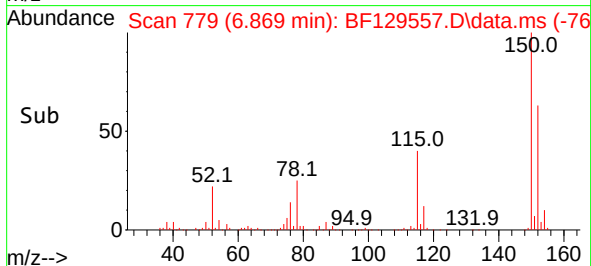
Instrument :
BNA_F
ClientSampleId :
TR-05-080222



Tgt Ion:152 Resp: 118738
Ion Ratio Lower Upper
152 100
150 157.8 123.7 185.5
115 63.5 49.9 74.9

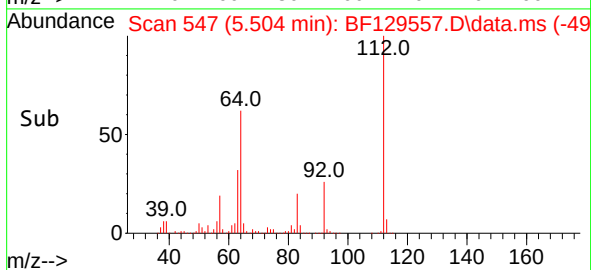
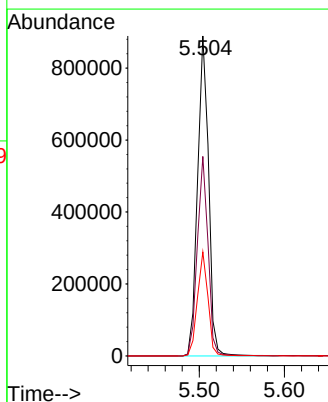
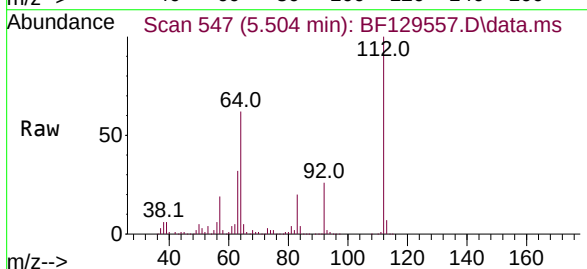
Manual Integrations
APPROVED

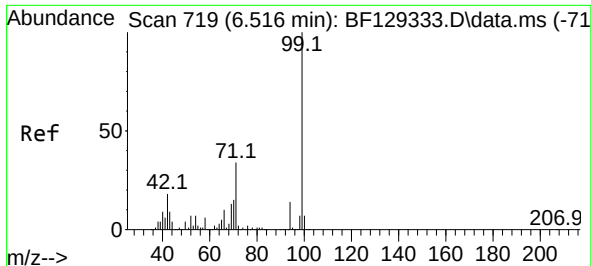
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 109.401 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.000 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

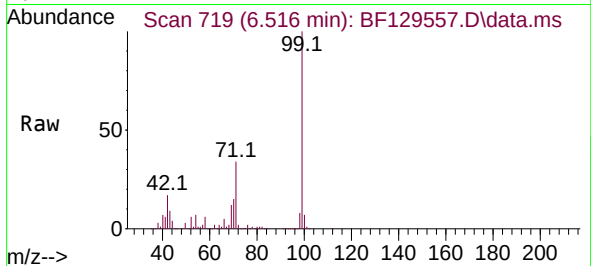
Tgt Ion:112 Resp: 797427
Ion Ratio Lower Upper
112 100
64 62.3 53.3 79.9
63 32.5 28.0 42.0





#7
Phenol-d6
Concen: 99.572 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

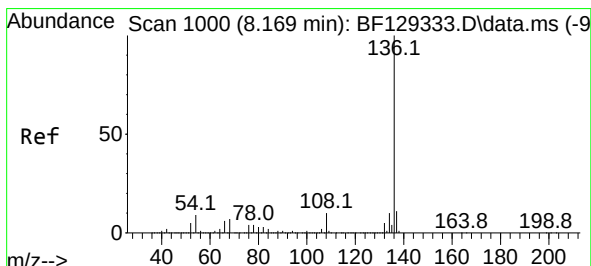
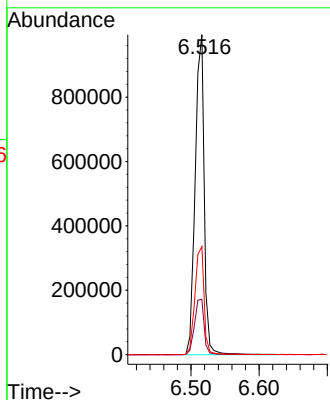
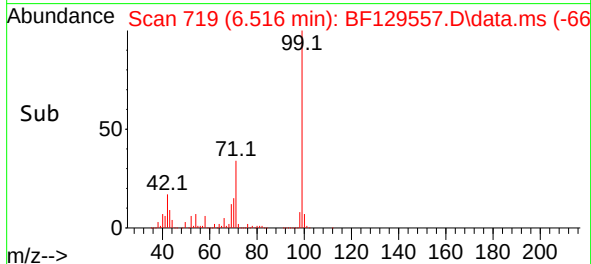
Instrument :
BNA_F
ClientSampleId :
TR-05-080222



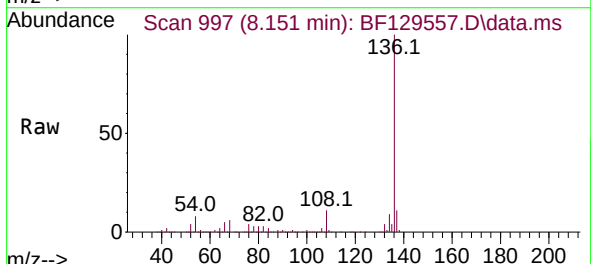
Tgt Ion: 99 Resp: 912269
Ion Ratio Lower Upper
99 100
42 17.3 17.3 25.9
71 33.8 28.9 43.3

Manual Integrations
APPROVED

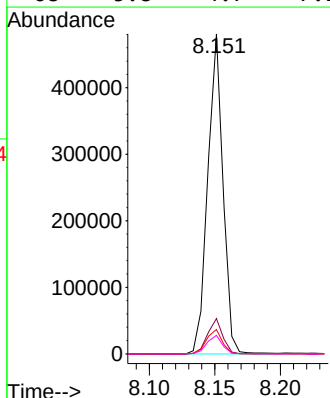
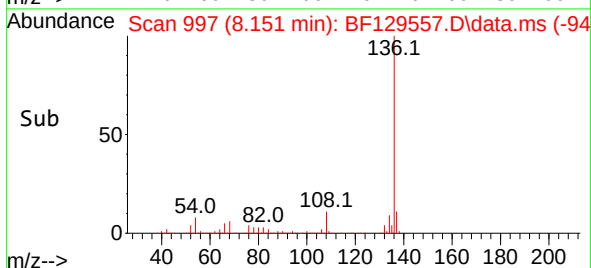
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

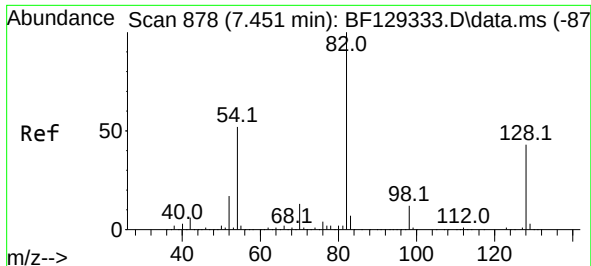


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22



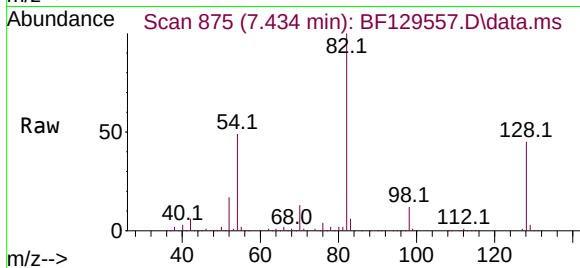
Tgt Ion:136 Resp: 389301
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.6 7.5 11.3
68 5.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 78.612 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

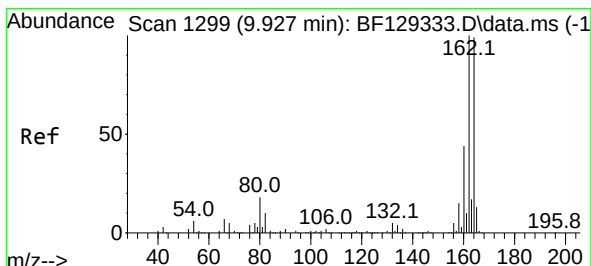
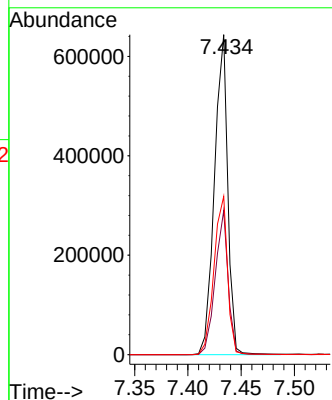
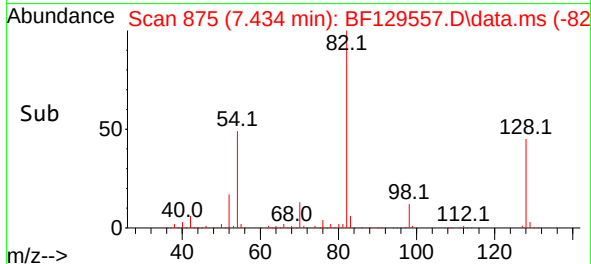
Instrument :
BNA_F
ClientSampleId :
TR-05-080222



Tgt Ion: 82 Resp: 560623
Ion Ratio Lower Upper
82 100
128 45.0 34.0 51.0
54 49.4 46.9 70.3

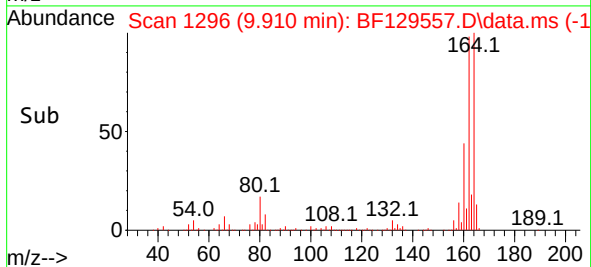
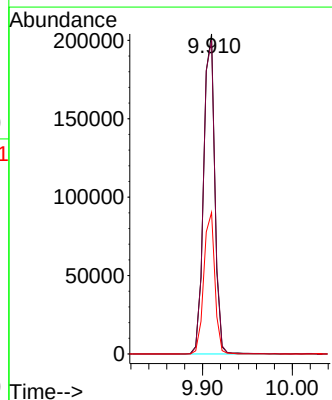
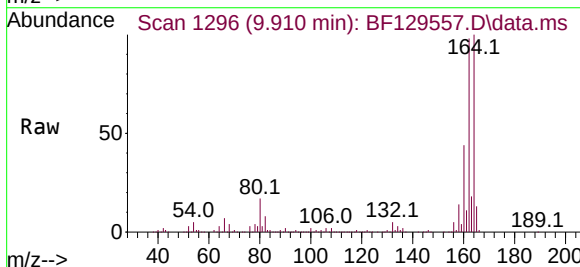
Manual Integrations
APPROVED

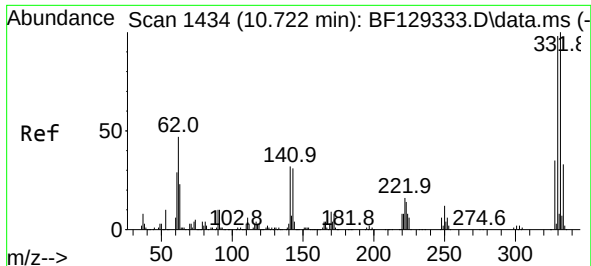
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:164 Resp: 175753
Ion Ratio Lower Upper
164 100
162 98.0 79.5 119.3
160 44.2 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 113.120 ng
RT: 10.704 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

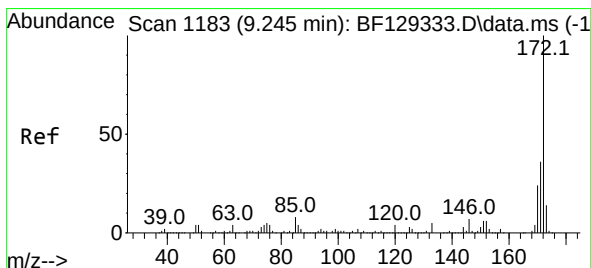
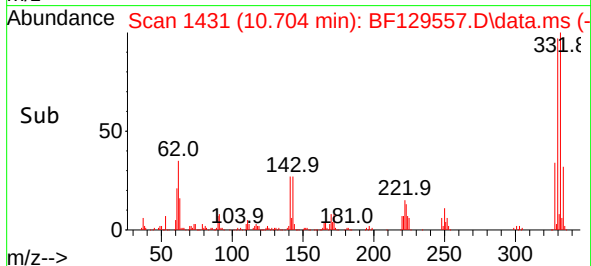
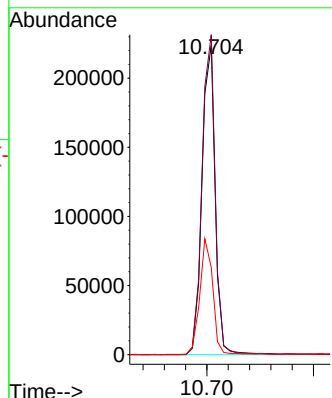
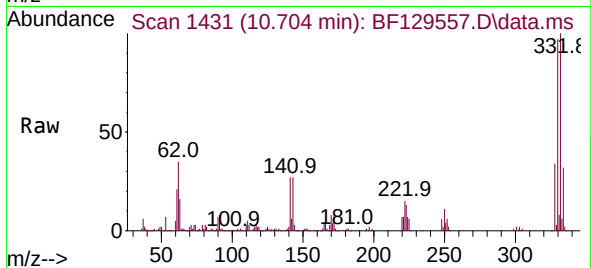
TR-05-080222

Tgt Ion:330 Resp: 191143
Ion Ratio Lower Upper
330 100
332 103.8 76.8 115.2
141 37.4 28.0 42.0

Manual Integrations

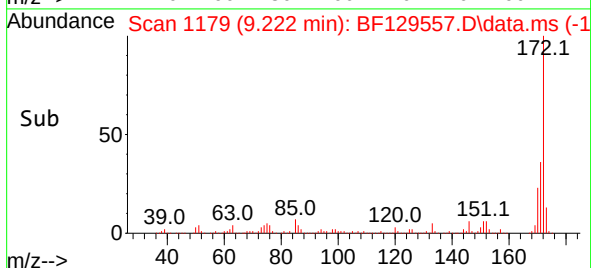
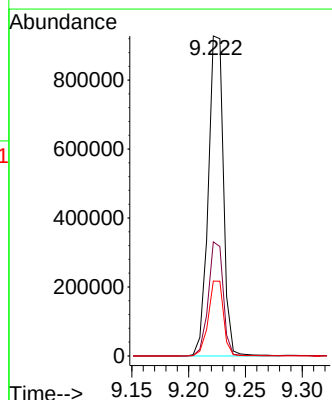
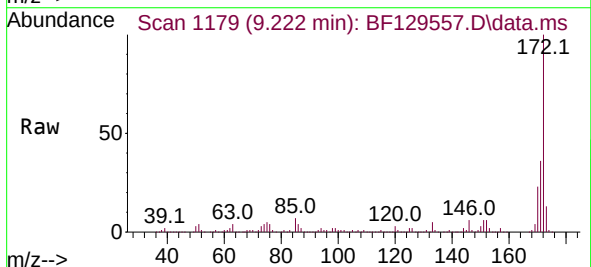
APPROVED

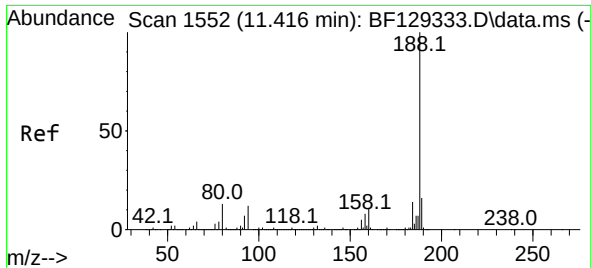
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 75.959 ng
RT: 9.222 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:172 Resp: 862992
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.4 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

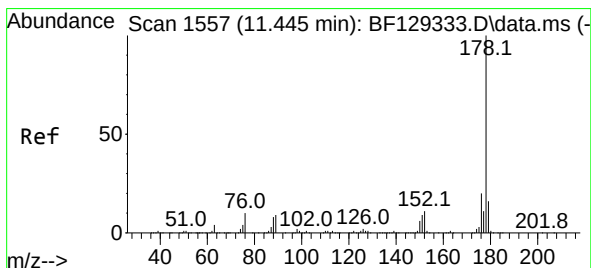
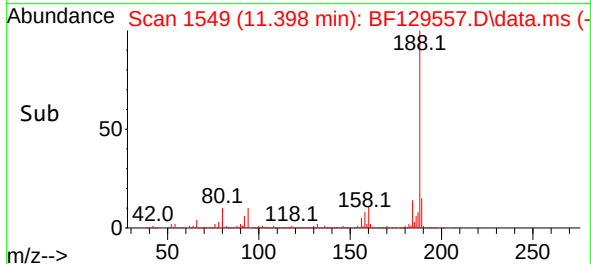
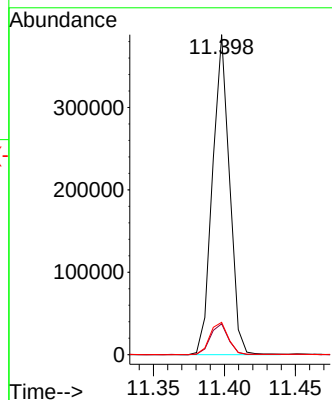
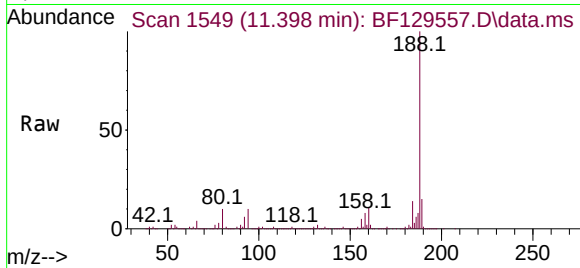
TR-05-080222

Tgt Ion:188 Resp: 323186
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.1 7.6 11.4

Manual Integrations

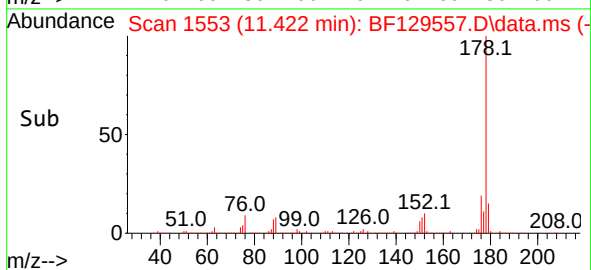
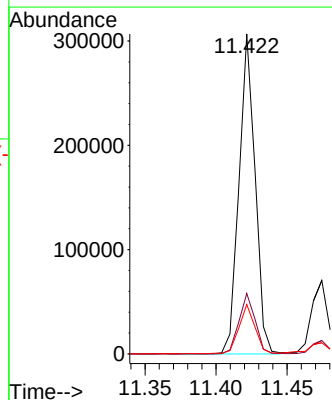
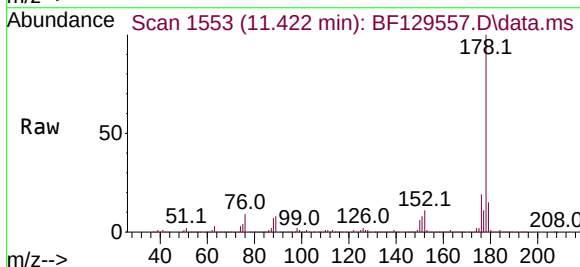
APPROVED

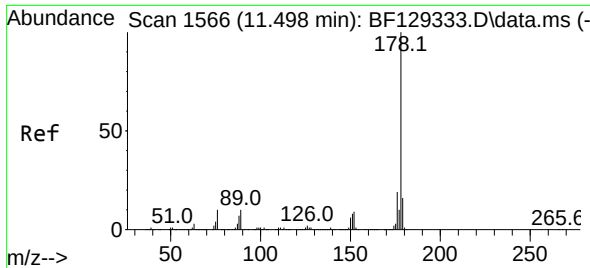
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#71
Phenanthrene
Concen: 13.674 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:178 Resp: 241234
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.5 12.6 19.0





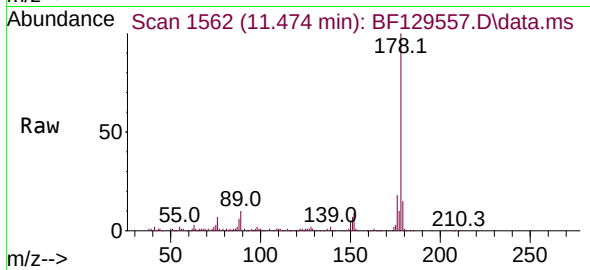
#72
 Anthracene
 Concen: 3.150 ng
 RT: 11.474 min Scan# 1147
 Delta R.T. -0.006 min
 Lab File: BF129557.D
 Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

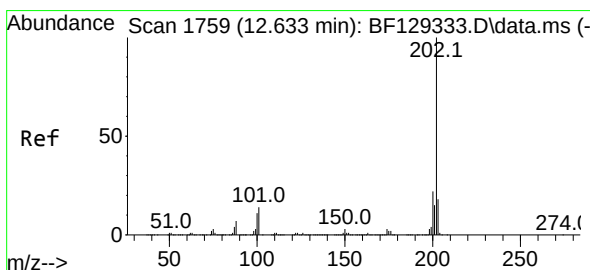
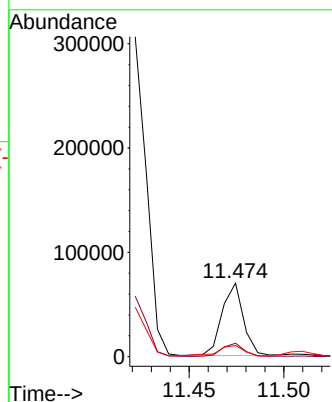
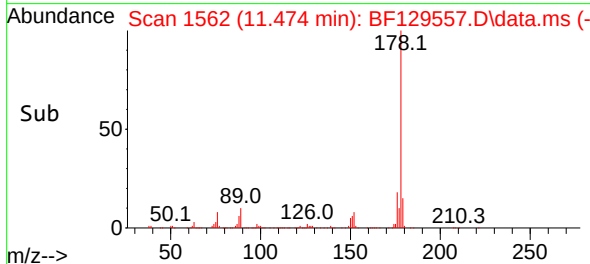


Tgt Ion:178 Resp: 54600
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 15.1 12.6 19.0

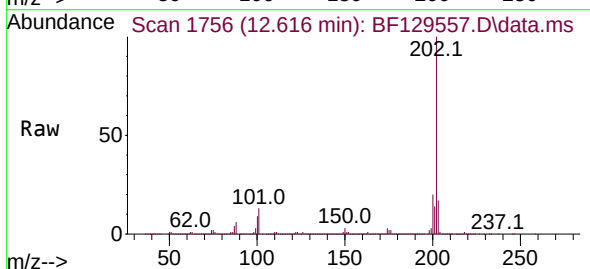
Manual Integrations

APPROVED

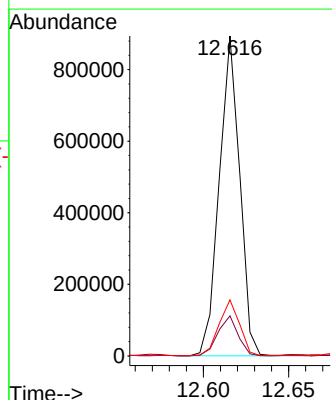
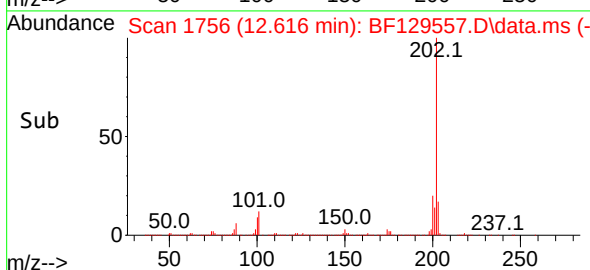
Reviewed By :Christian Giraldo 08/04/2022
 Supervised By :Jagrut Upadhyay 08/05/2022

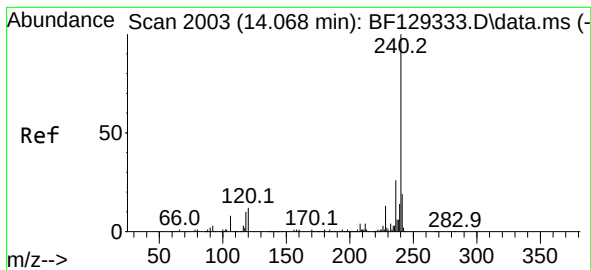


#75
 Fluoranthene
 Concen: 41.681 ng
 RT: 12.616 min Scan# 1756
 Delta R.T. -0.006 min
 Lab File: BF129557.D
 Acq: 04 Aug 2022 00:22



Tgt Ion:202 Resp: 745050
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 31.4
 203 17.5 0.0 38.0





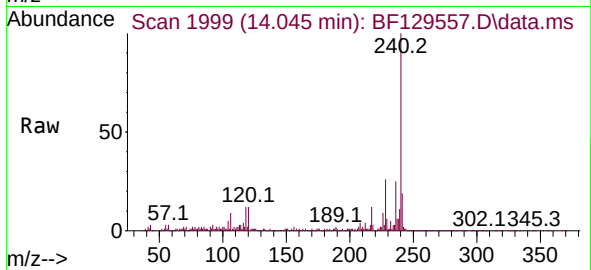
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

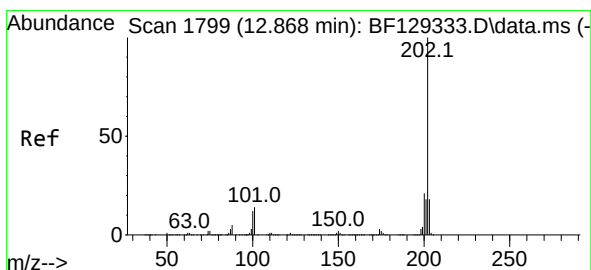
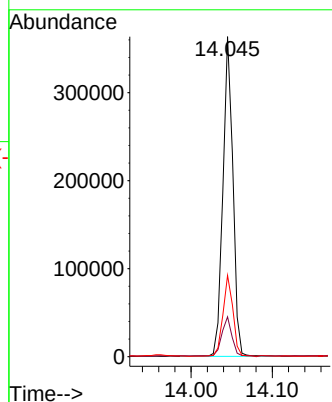
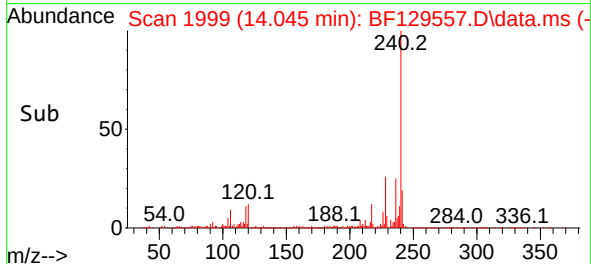


Tgt Ion:240 Resp: 309070
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 25.4 20.8 31.2

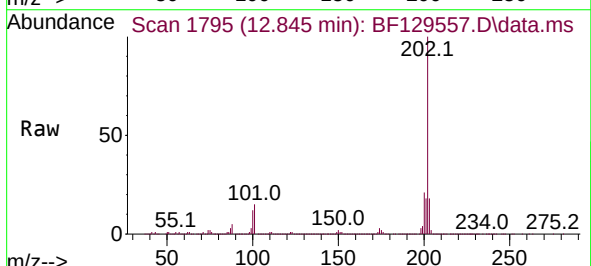
Manual Integrations

APPROVED

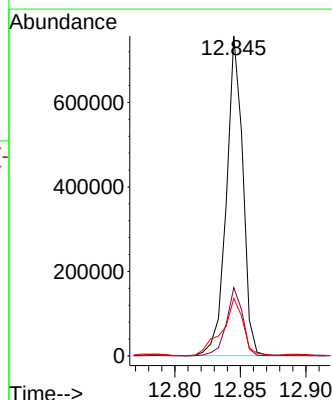
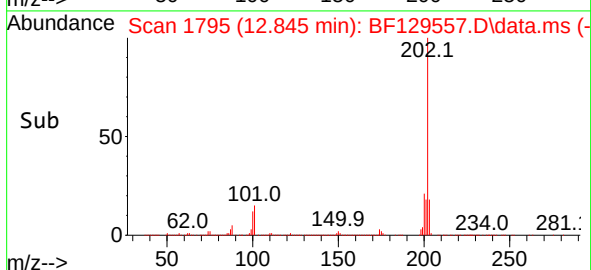
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

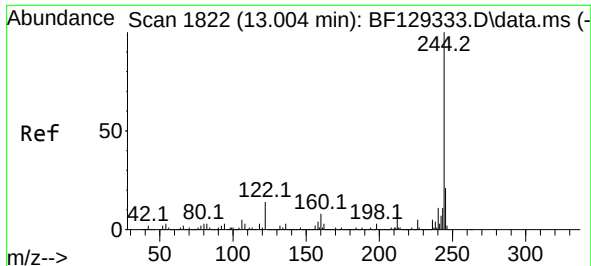


#78
Pyrene
Concen: 25.472 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22



Tgt Ion:202 Resp: 658341
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 65.108 ng
 RT: 12.986 min Scan# 1822
 Delta R.T. -0.000 min
 Lab File: BF129557.D
 Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

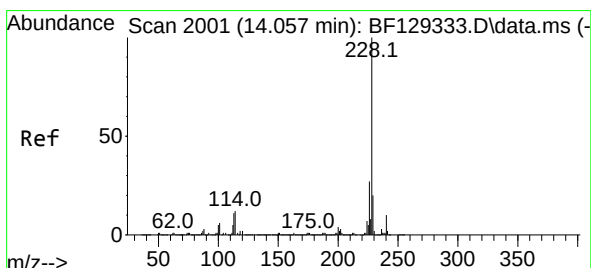
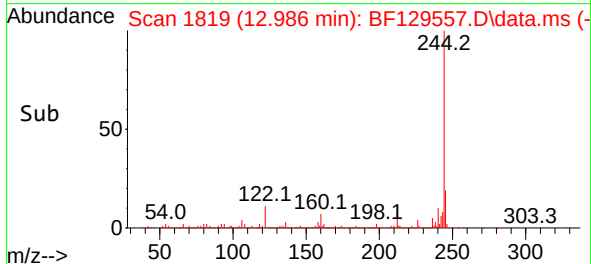
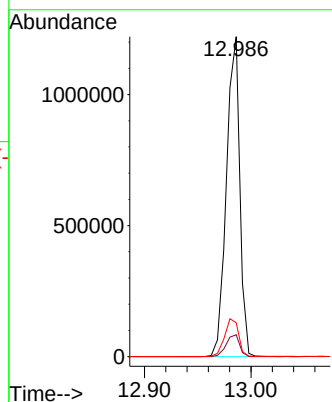
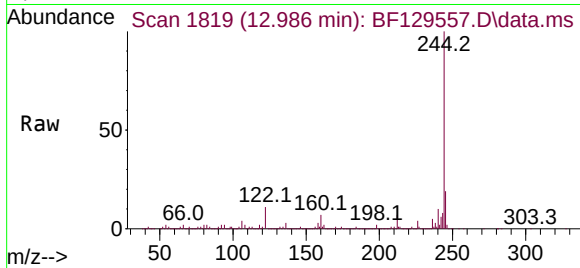
ClientSampleId :

TR-05-080222

Tgt Ion:244 Resp: 1066629
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 10.6 8.8 13.2

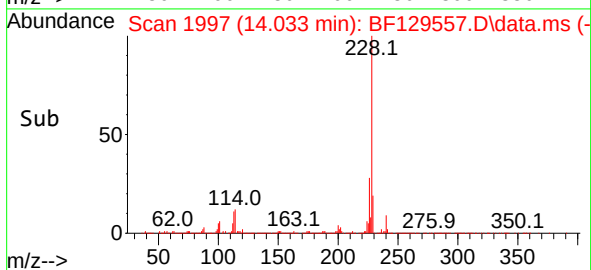
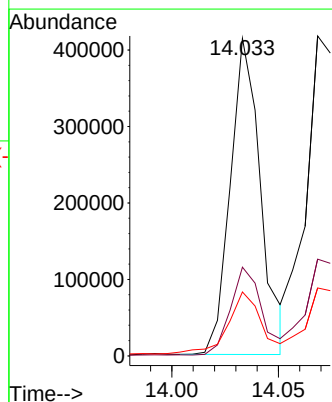
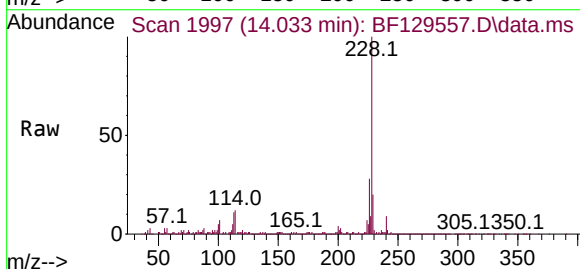
Manual Integrations
 APPROVED

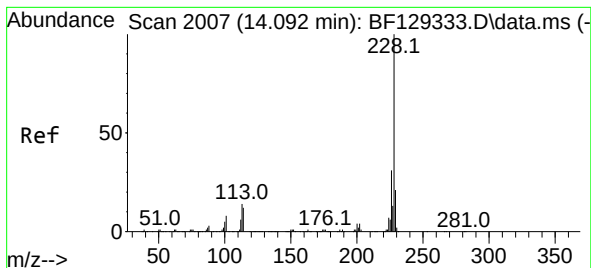
Reviewed By :Christian Giraldo 08/04/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#81
 Benzo(a)anthracene
 Concen: 19.337 ng
 RT: 14.033 min Scan# 1997
 Delta R.T. -0.006 min
 Lab File: BF129557.D
 Acq: 04 Aug 2022 00:22

Tgt Ion:228 Resp: 408247
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.1 33.1
 229 20.1 15.8 23.8





#83

Chrysene

Concen: 21.257 ng

RT: 14.068 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

Tgt Ion:228 Resp: 422975

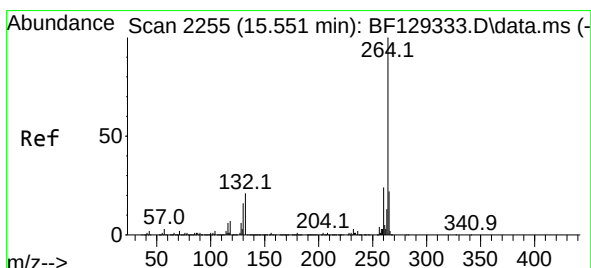
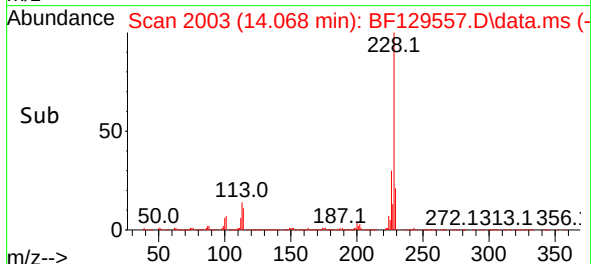
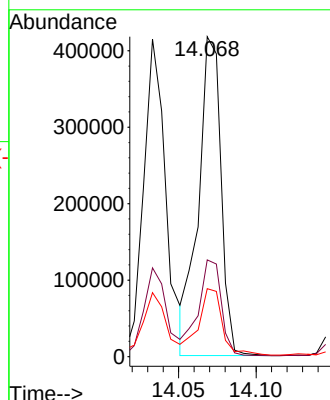
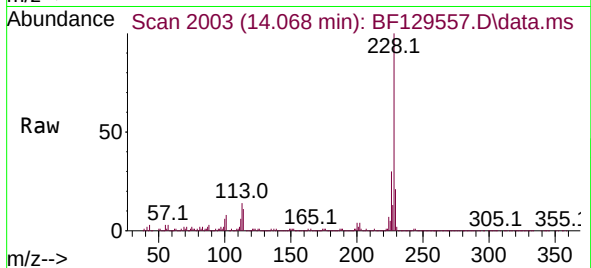
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	21.3	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/04/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2252

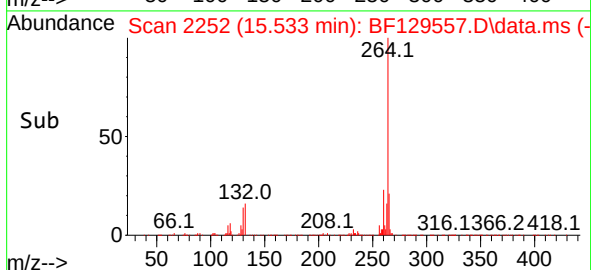
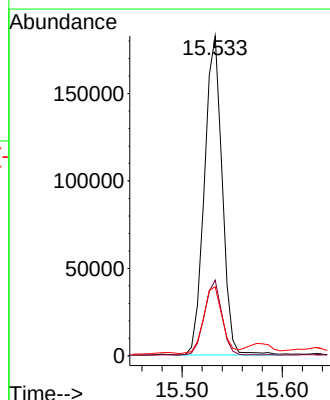
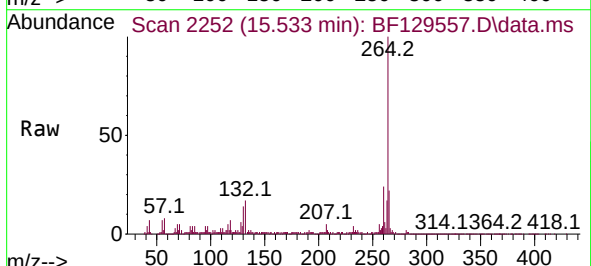
Delta R.T. 0.006 min

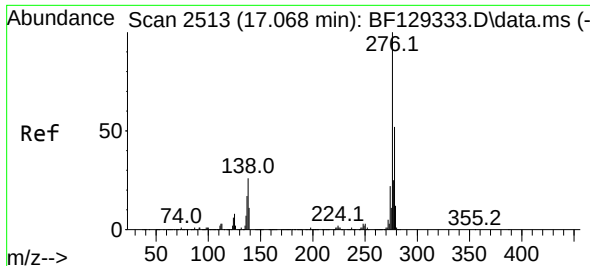
Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Tgt Ion:264 Resp: 223870

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	21.6	17.2	25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.660 ng
RT: 17.027 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

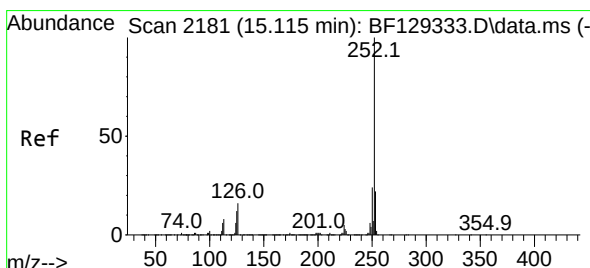
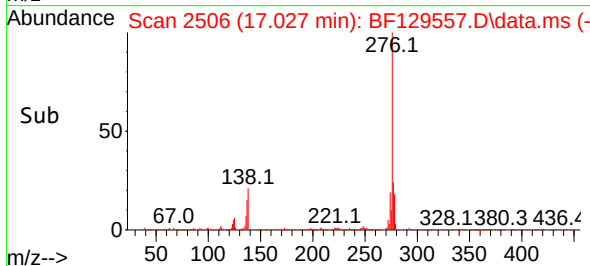
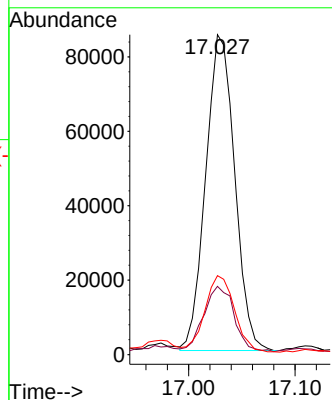
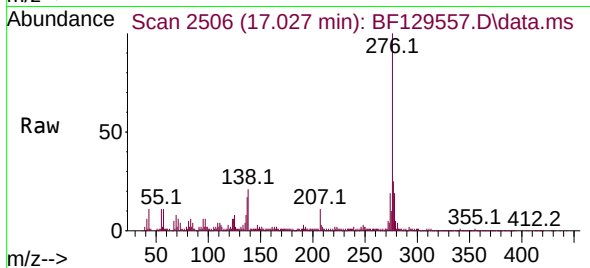
ClientSampleId :

TR-05-080222

Tgt Ion:276 Resp: 160702
Ion Ratio Lower Upper
276 100
138 21.7 21.1 31.7
277 24.9 20.3 30.5

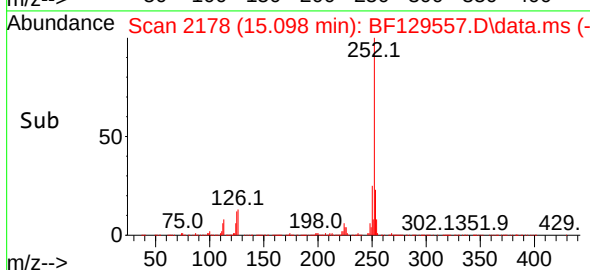
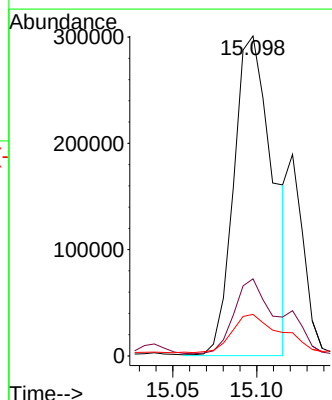
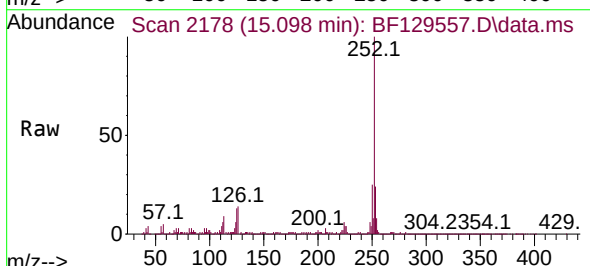
Manual Integrations
APPROVED

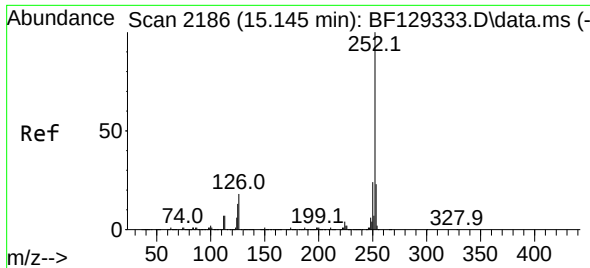
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#88
Benzo(b)fluoranthene
Concen: 32.793 ng m
RT: 15.098 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:252 Resp: 486982
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 13.0 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 8.461 ng m

RT: 15.121 min Scan# 2186

Delta R.T. -0.000 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

ClientSampleId :

TR-05-080222

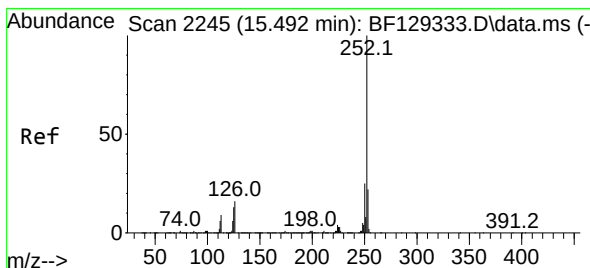
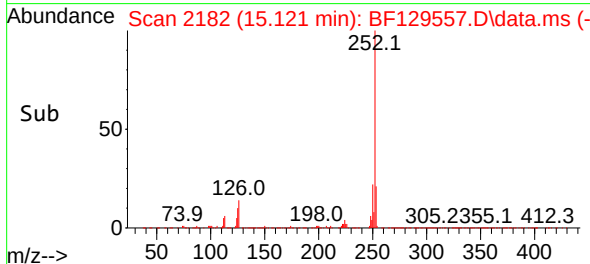
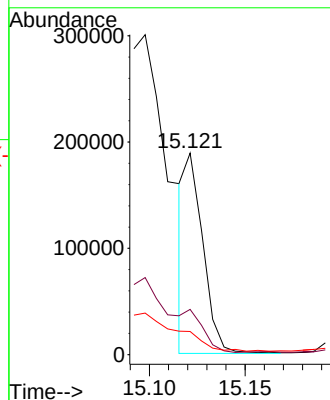
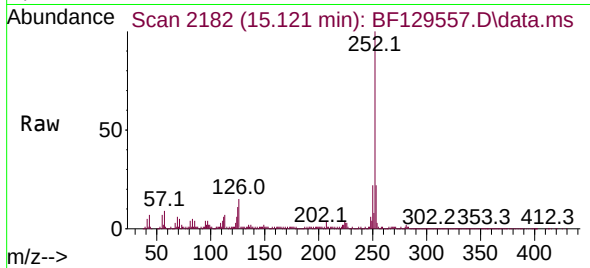
Tgt Ion:	252	Resp:	123135
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	11.5	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/04/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#90

Benzo(a)pyrene

Concen: 23.206 ng

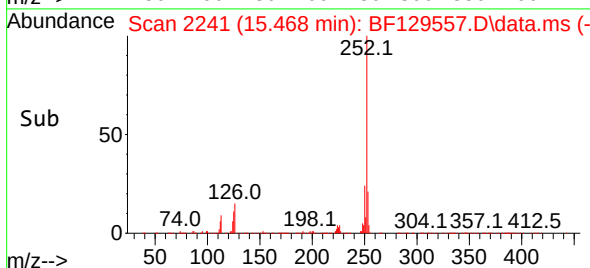
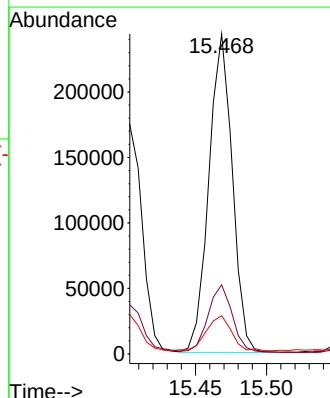
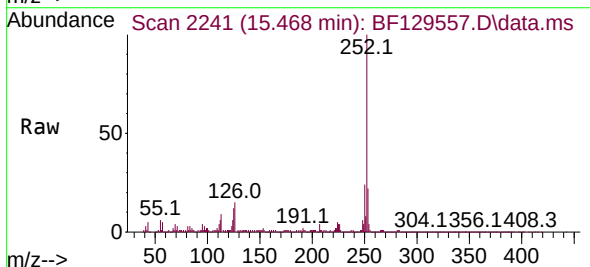
RT: 15.468 min Scan# 2241

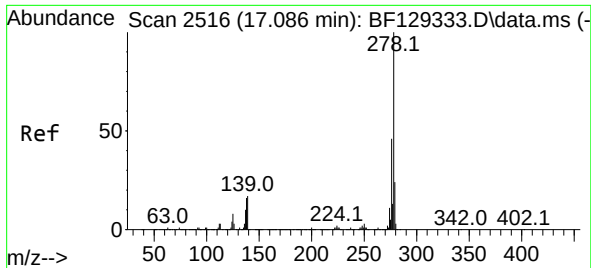
Delta R.T. -0.000 min

Lab File: BF129557.D

Acq: 04 Aug 2022 00:22

Tgt Ion:	252	Resp:	279739
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.0	25.6
125	11.9	8.8	13.2





#91
Dibenzo(a,h)anthracene
Concen: 3.387 ng
RT: 17.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Instrument :

BNA_F

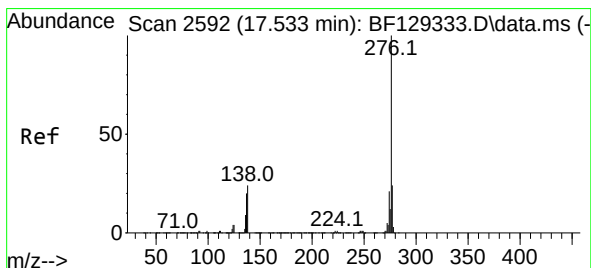
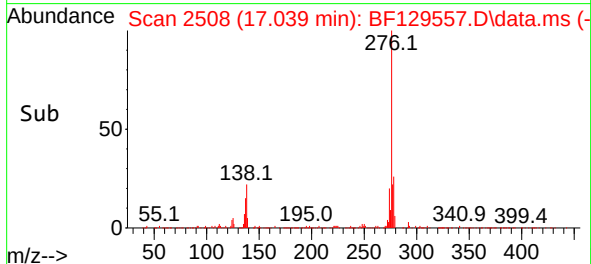
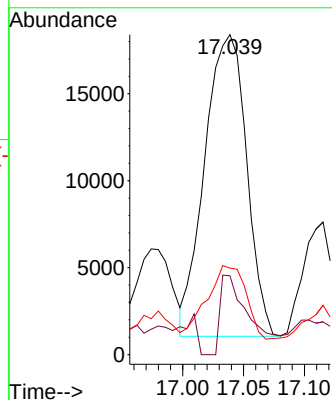
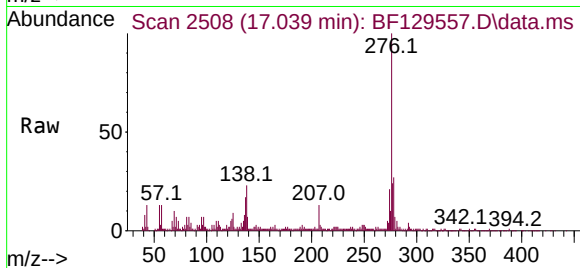
ClientSampleId :

TR-05-080222

Tgt Ion:278 Resp: 41564
Ion Ratio Lower Upper
278 100
139 24.6 12.8 19.2
279 27.0 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#92
Benzo(g,h,i)perylene
Concen: 12.159 ng
RT: 17.486 min Scan# 2584
Delta R.T. -0.006 min
Lab File: BF129557.D
Acq: 04 Aug 2022 00:22

Tgt Ion:276 Resp: 152450
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.0 18.0 27.0

