

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129507.D
 Acq On : 02 Aug 2022 14:42
 Operator : CG\JU
 Sample : N3995-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/03/2022

Quant Time: Aug 02 17:38:25 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	6.875	152	180114	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	716242	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	350120	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	506301	20.000	ng	0.00
76) Chrysene-d12	14.051	240	352344	20.000	ng	0.00
86) Perylene-d12	15.539	264	412276	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1124401	101.694	ng	0.01
7) Phenol-d6	6.522	99	1432057	103.043	ng	0.00
23) Nitrobenzene-d5	7.439	82	937717	71.468	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	314112	93.315	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1509544	66.697	ng	0.00
79) Terphenyl-d14	12.986	244	1019291	54.577	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.945	154	60555	2.954	ng	97
58) Fluorene	10.463	166	69336	3.066	ng	99
71) Phenanthrene	11.433	178	880565	31.861	ng	98
72) Anthracene	11.480	178	202589	7.459	ng	99
73) Carbazole	11.639	167	80845	3.162	ng	99
75) Fluoranthene	12.621	202	944218	33.718	ng	99
78) Pyrene	12.851	202	871936	29.593	ng	99
81) Benzo(a)anthracene	14.039	228	467179	19.410	ng	99
83) Chrysene	14.074	228	417799	18.419	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	250914	9.038	ng	94
88) Benzo(b)fluoranthene	15.098	252	514436m	18.811	ng	
89) Benzo(k)fluoranthene	15.127	252	197536m	7.371	ng	
90) Benzo(a)pyrene	15.474	252	410628	18.497	ng	97
91) Dibenzo(a,h)anthracene	17.045	278	67961m	3.008	ng	
92) Benzo(g,h,i)perylene	17.498	276	235334	10.192	ng	99

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

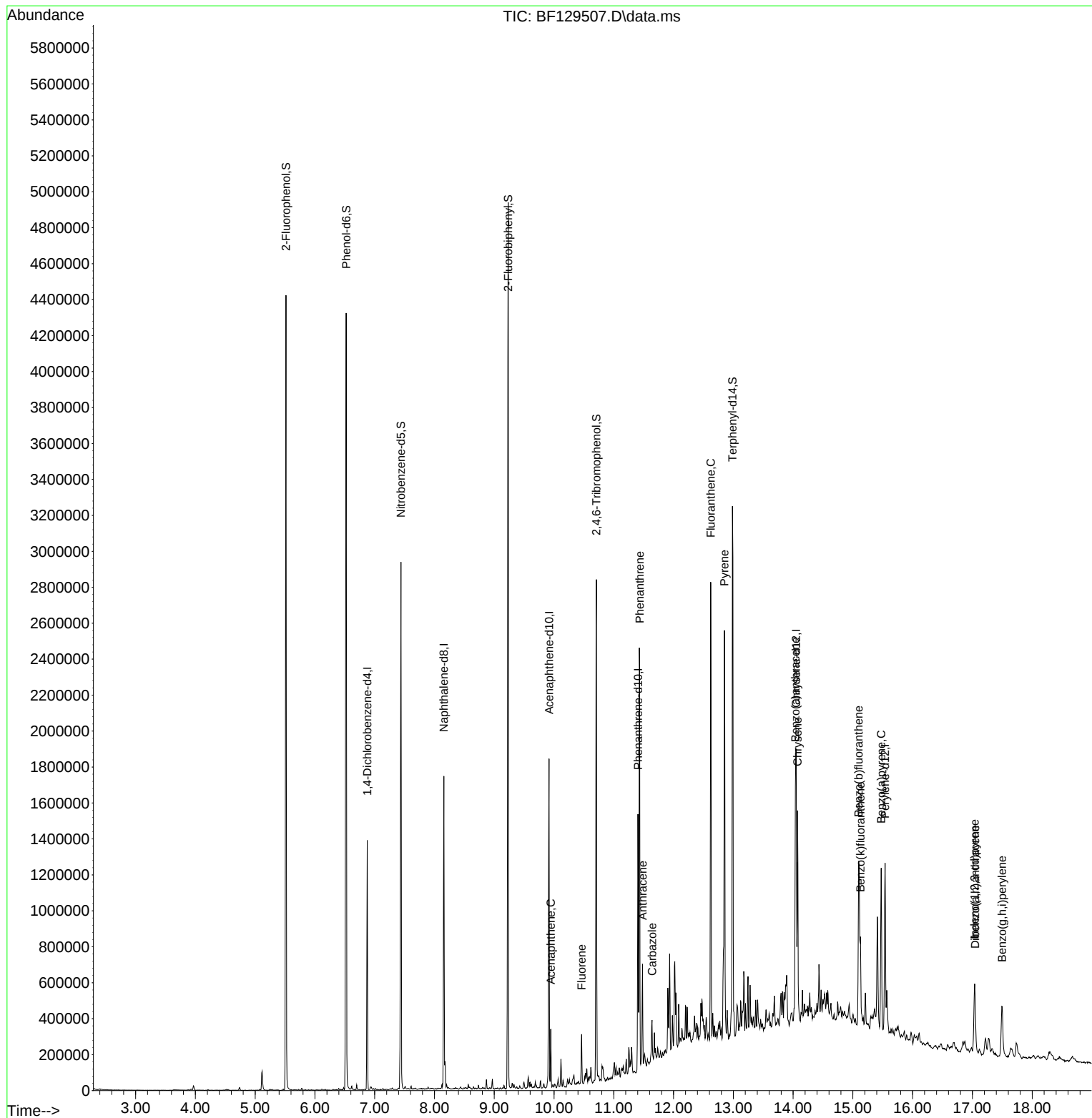
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
Data File : BF129507.D
Acq On : 02 Aug 2022 14:42
Operator : CG\JU
Sample : N3995-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

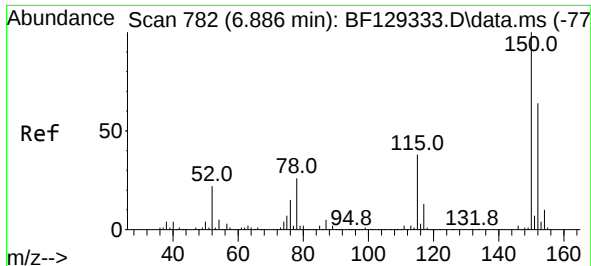
Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Time: Aug 02 17:38:25 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

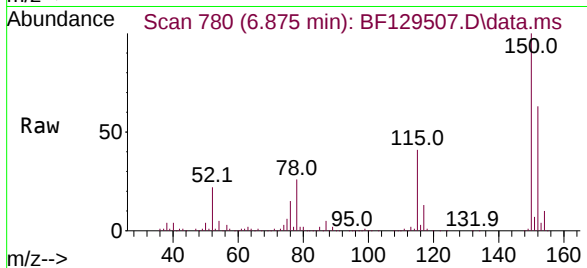
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

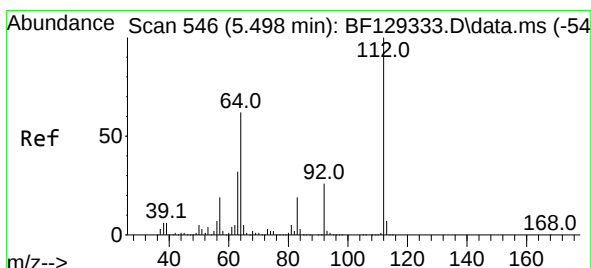
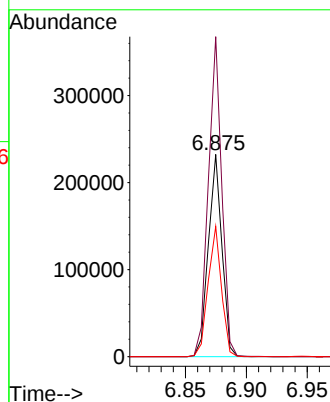
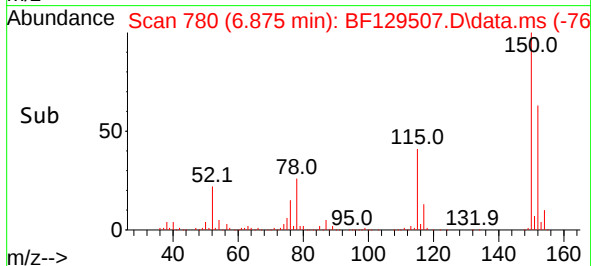
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:152 Resp: 180114
Ion Ratio Lower Upper
152 100
150 158.3 123.7 185.5
115 64.4 49.9 74.9

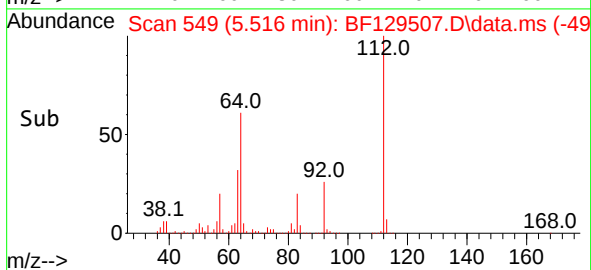
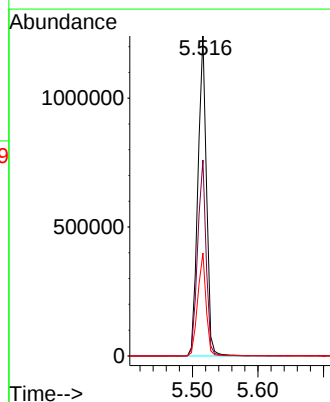
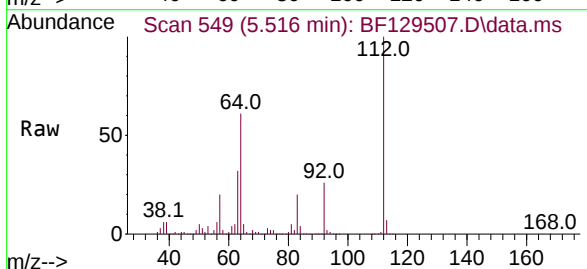
Manual Integrations
APPROVED

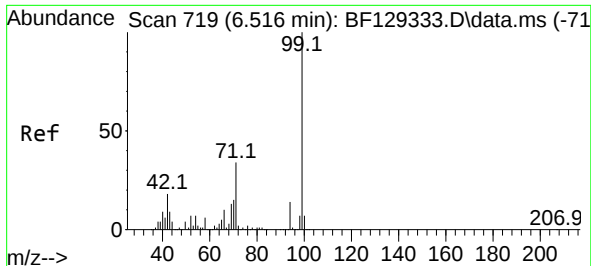
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#5
2-Fluorophenol
Concen: 101.694 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.012 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

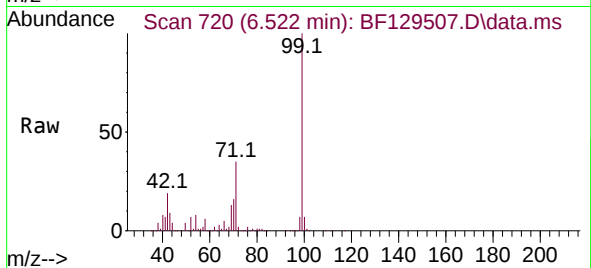
Tgt Ion:112 Resp: 1124401
Ion Ratio Lower Upper
112 100
64 61.2 53.3 79.9
63 32.1 28.0 42.0





#7
Phenol-d6
Concen: 103.043 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

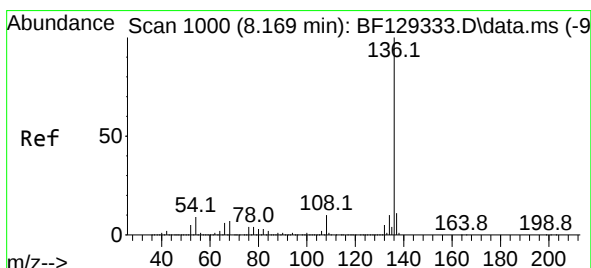
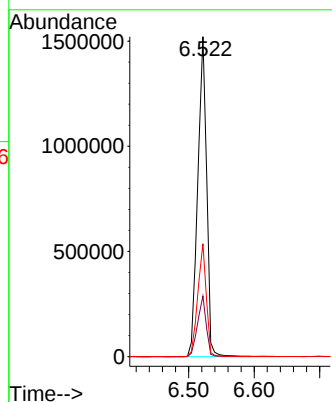
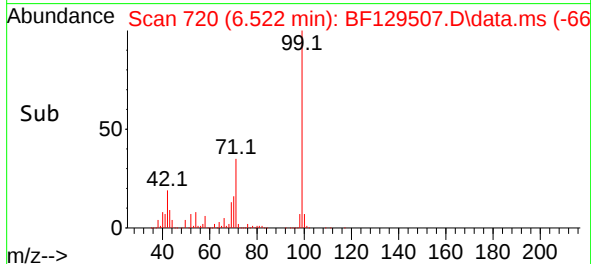
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion: 99 Resp: 143205
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 35.3 28.9 43.3

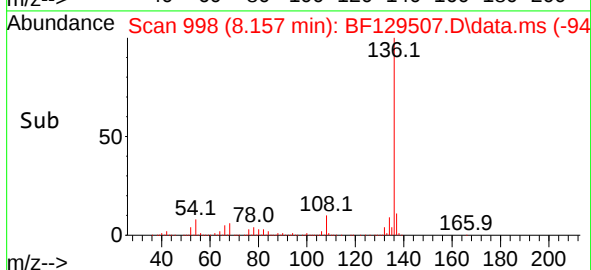
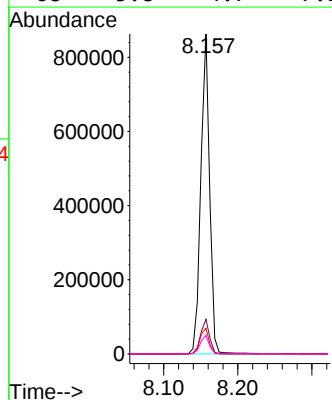
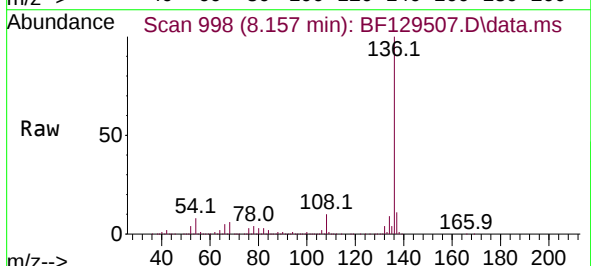
Manual Integrations
APPROVED

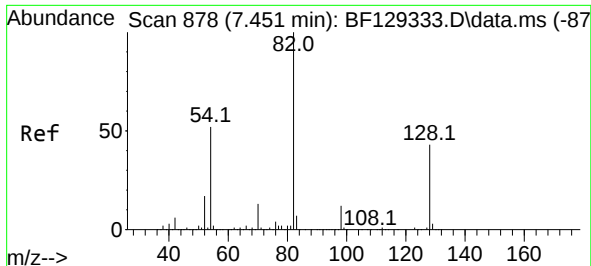
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

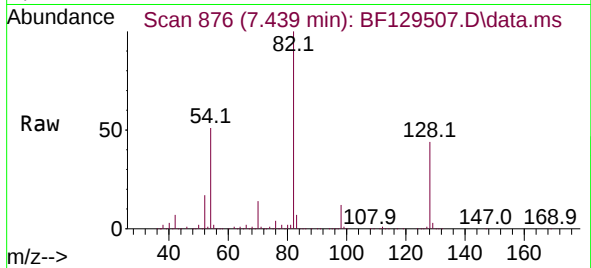
Tgt Ion:136 Resp: 716242
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.0 7.5 11.3
68 5.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 71.468 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

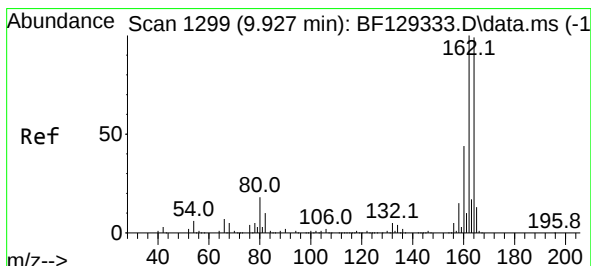
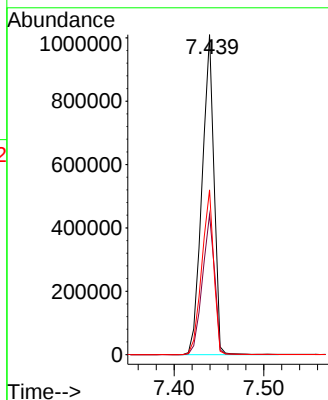
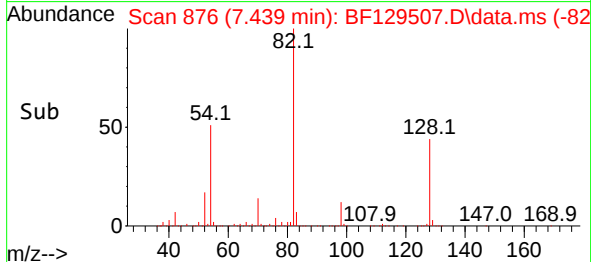
Instrument :
BNA_F
ClientSampleId :
COMP-2



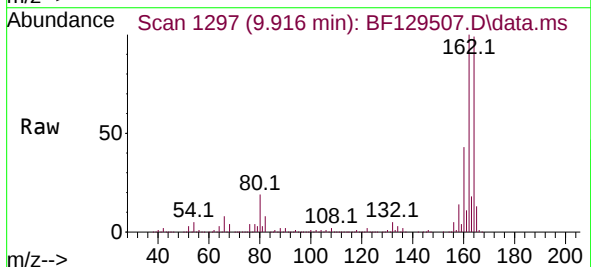
Tgt Ion: 82 Resp: 93771
Ion Ratio Lower Upper
82 100
128 43.8 34.0 51.0
54 51.5 46.9 70.3

Manual Integrations
APPROVED

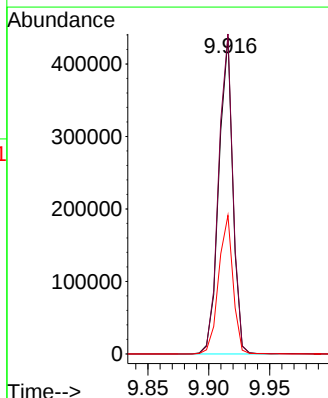
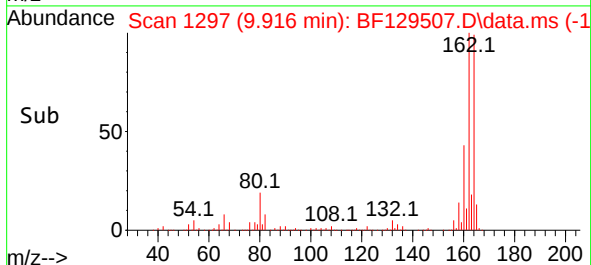
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

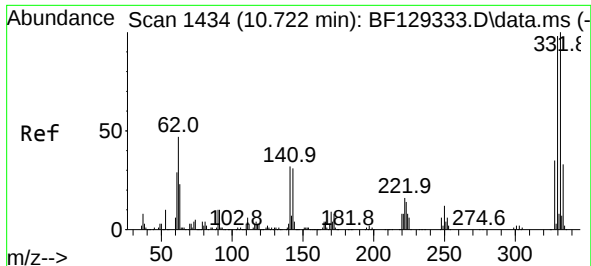


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42



Tgt Ion:164 Resp: 350120
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 43.8 34.2 51.4





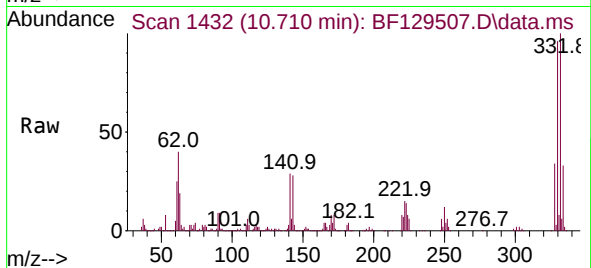
#42
2,4,6-Tribromophenol
Concen: 93.315 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

Instrument :

BNA_F

ClientSampleId :

COMP-2

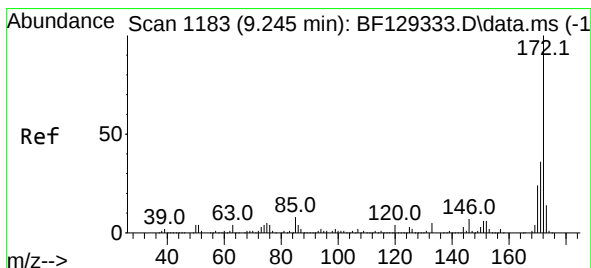
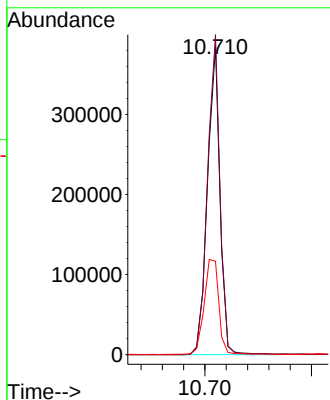
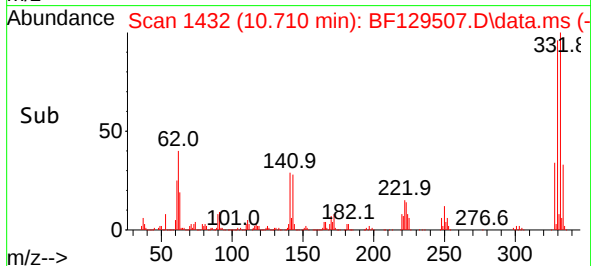


Tgt Ion: 330 Resp: 314112
Ion Ratio Lower Upper
330 100
332 103.7 76.8 115.2
141 36.2 28.0 42.0

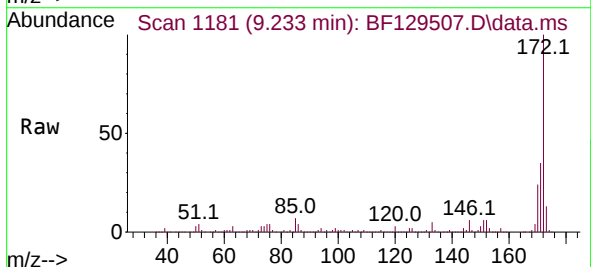
Manual Integrations

APPROVED

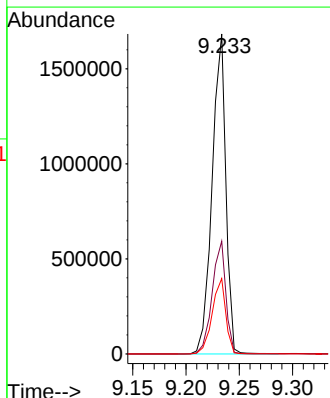
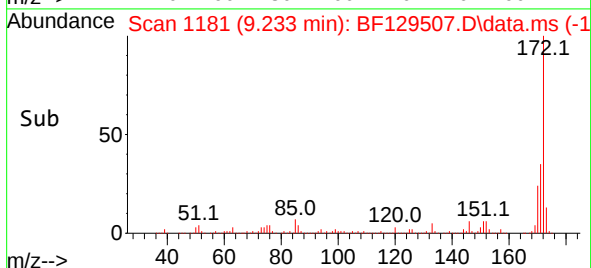
Reviewed By : Christian Giraldo 08/03/2022
Supervised By : Jagrut Upadhyay 08/03/2022

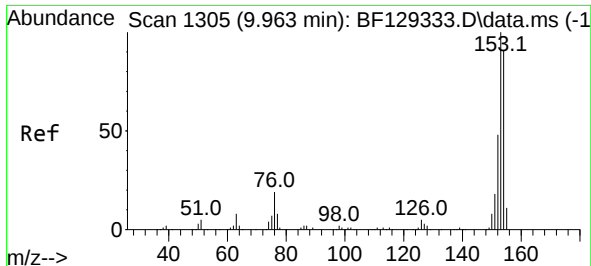


#45
2-Fluorobiphenyl
Concen: 66.697 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42



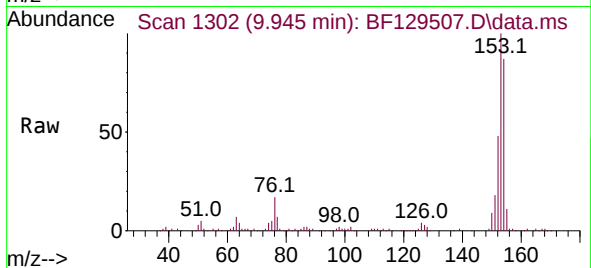
Tgt Ion: 172 Resp: 1509544
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.5 19.8 29.8





#52
Acenaphthene
Concen: 2.954 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

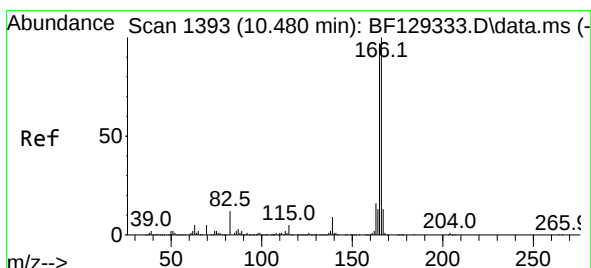
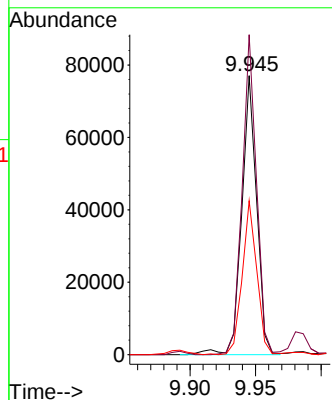
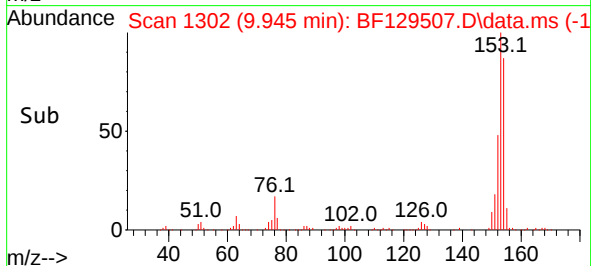
Instrument :
BNA_F
ClientSampleId :
COMP-2



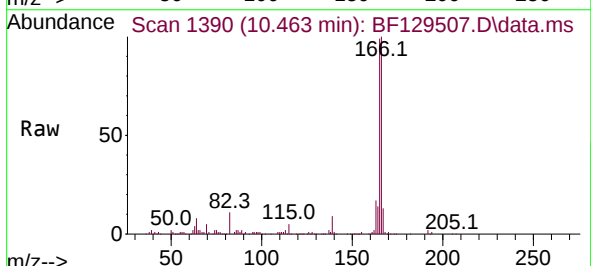
Tgt Ion:154 Resp: 6055
Ion Ratio Lower Upper
154 100
153 114.7 89.6 134.4
152 55.2 42.4 63.6

Manual Integrations
APPROVED

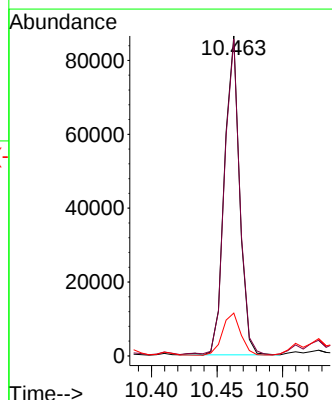
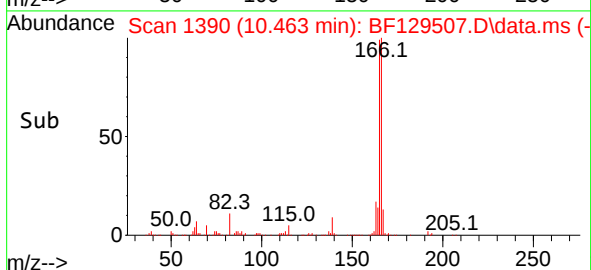
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

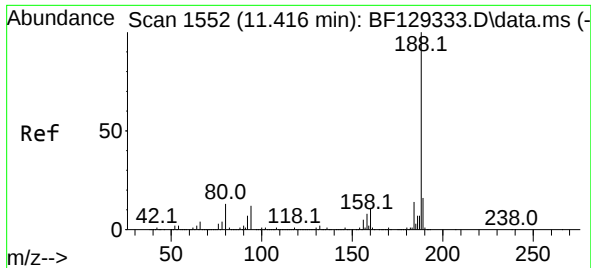


#58
Fluorene
Concen: 3.066 ng
RT: 10.463 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42



Tgt Ion:166 Resp: 69336
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 13.4 10.5 15.7





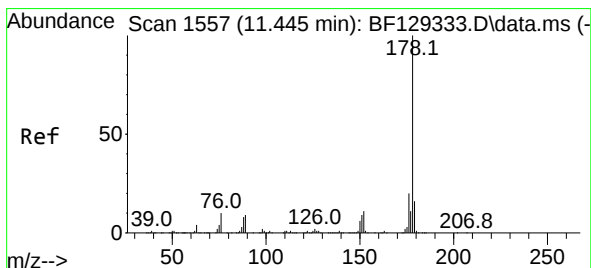
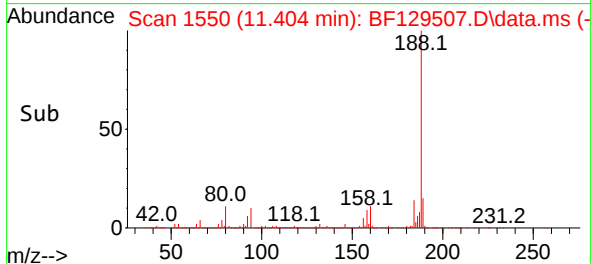
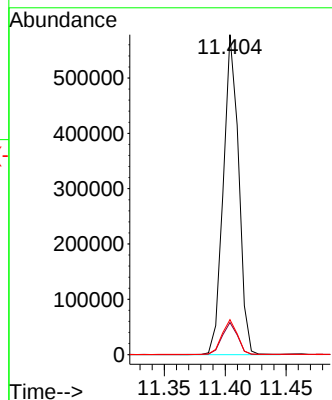
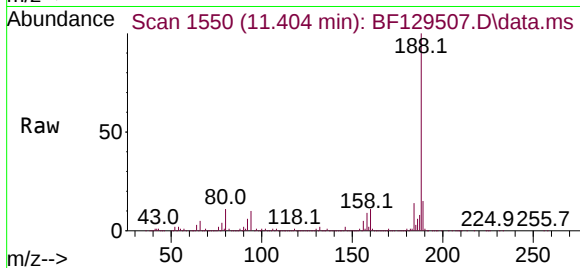
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:188 Resp: 50630
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.9 7.6 11.4

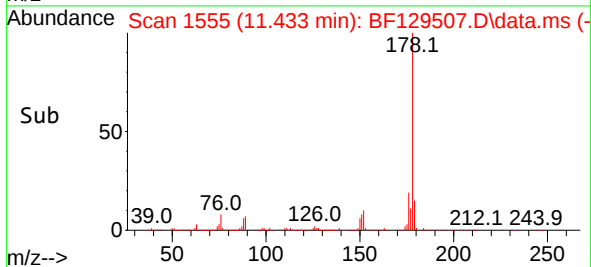
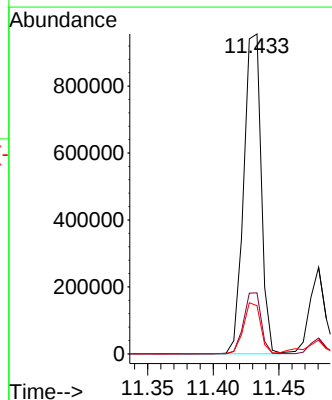
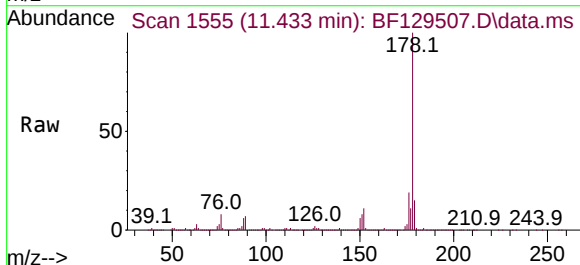
Manual Integrations
APPROVED

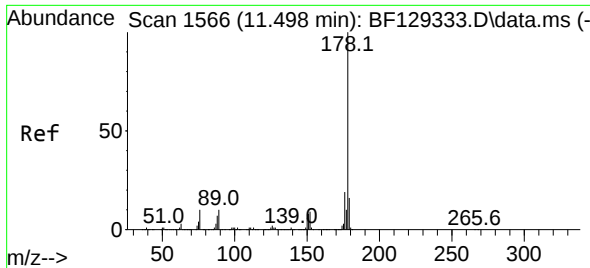
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#71
Phenanthrene
Concen: 31.861 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

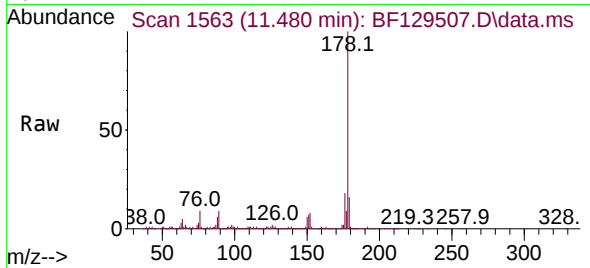
Tgt Ion:178 Resp: 880565
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 7.459 ng
 RT: 11.480 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF129507.D
 Acq: 02 Aug 2022 14:42

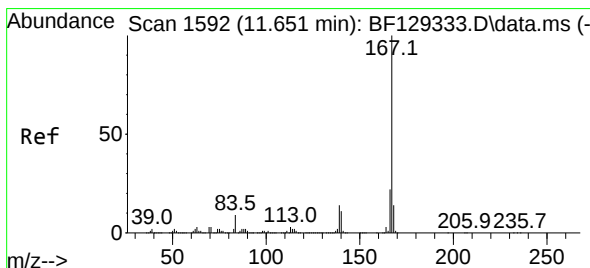
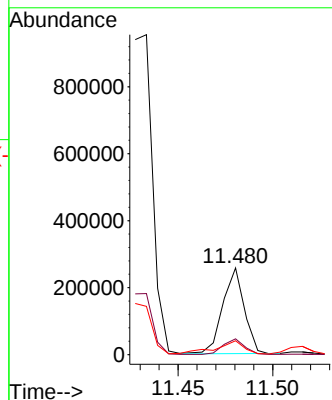
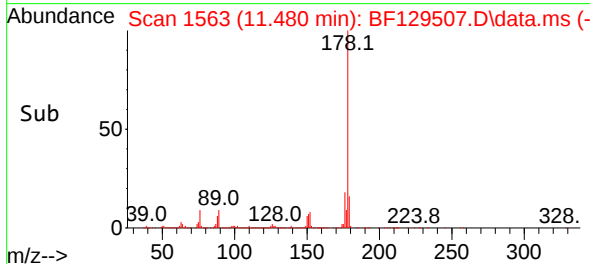
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



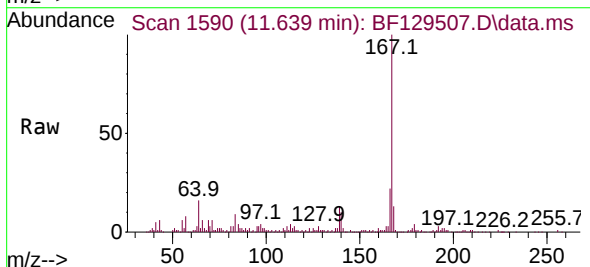
Tgt Ion:178 Resp: 202589
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 15.9 12.6 19.0

Manual Integrations
 APPROVED

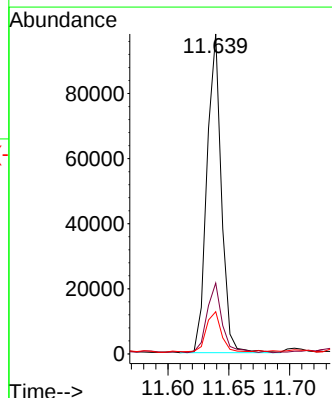
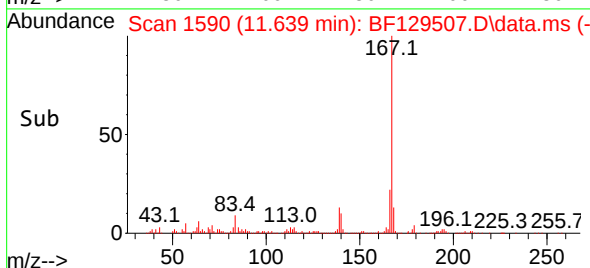
Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/03/2022

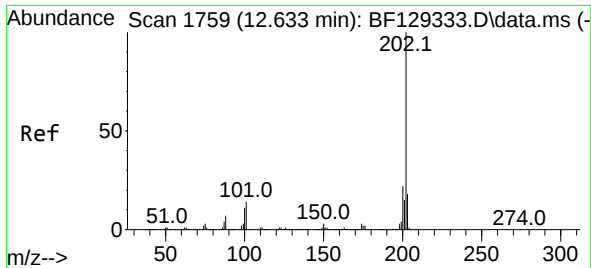


#73
 Carbazole
 Concen: 3.162 ng
 RT: 11.639 min Scan# 1590
 Delta R.T. -0.000 min
 Lab File: BF129507.D
 Acq: 02 Aug 2022 14:42



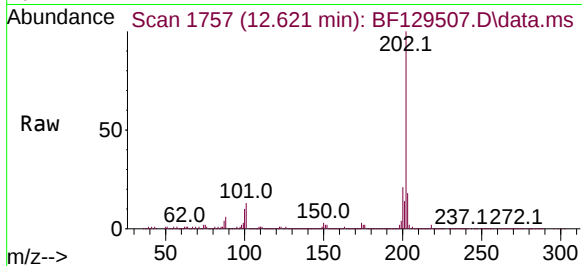
Tgt Ion:167 Resp: 80845
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 13.2 11.2 16.8





#75
Fluoranthene
Concen: 33.718 ng
RT: 12.621 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

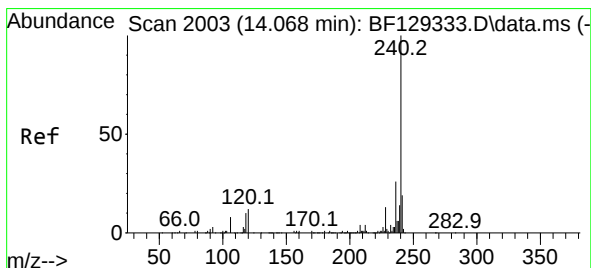
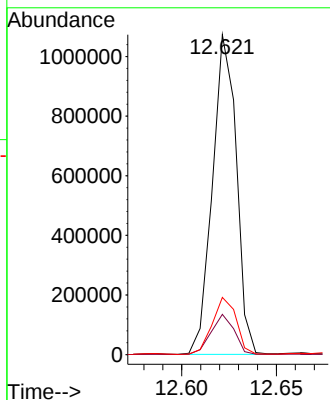
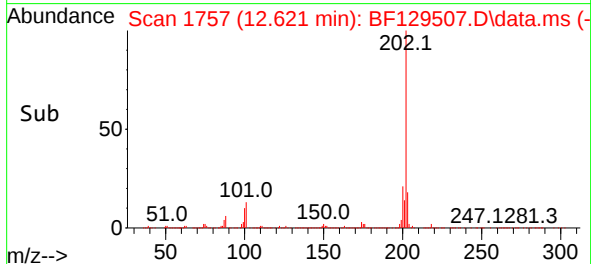
Instrument :
BNA_F
ClientSampleId :
COMP-2



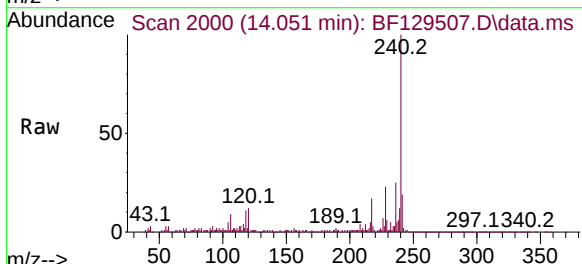
Tgt Ion:202 Resp: 944218
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.4
203 17.9 0.0 38.0

Manual Integrations
APPROVED

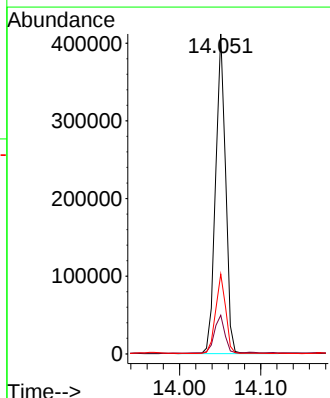
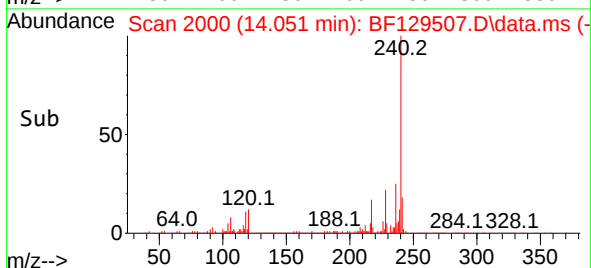
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

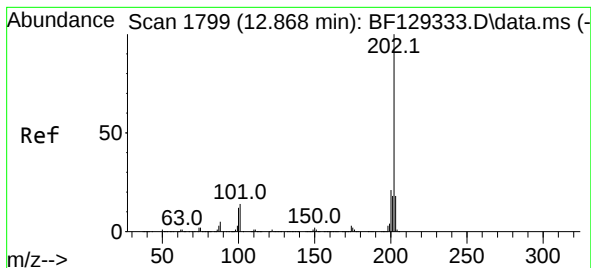


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42



Tgt Ion:240 Resp: 352344
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 24.9 20.8 31.2





#78

Pyrene

Concen: 29.593 ng

RT: 12.851 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF129507.D

Acq: 02 Aug 2022 14:42

Instrument :

BNA_F

ClientSampleId :

COMP-2

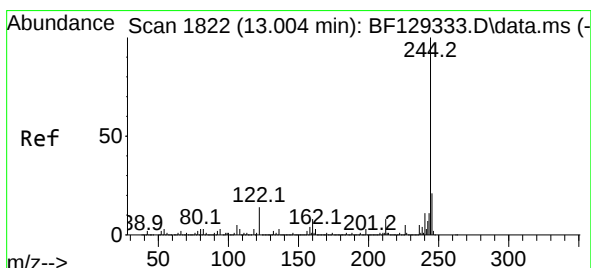
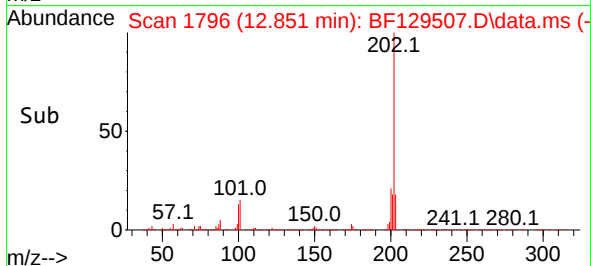
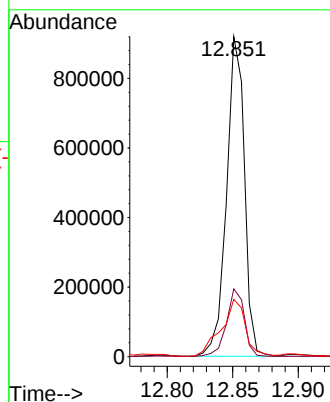
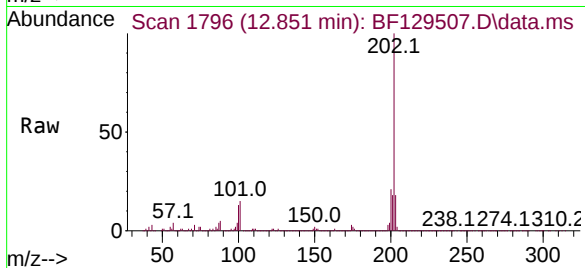
Tgt Ion:202 Resp: 871936
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.7 26.5
 203 17.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#79

Terphenyl-d14

Concen: 54.577 ng

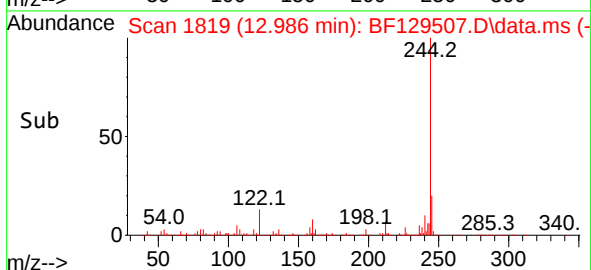
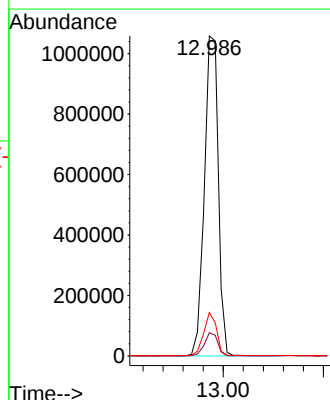
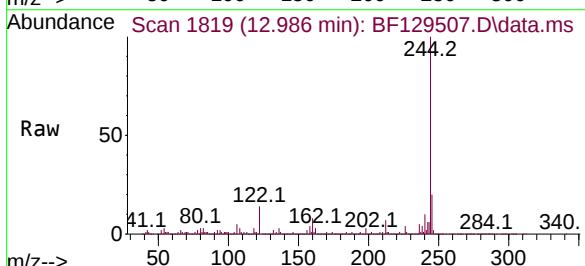
RT: 12.986 min Scan# 1819

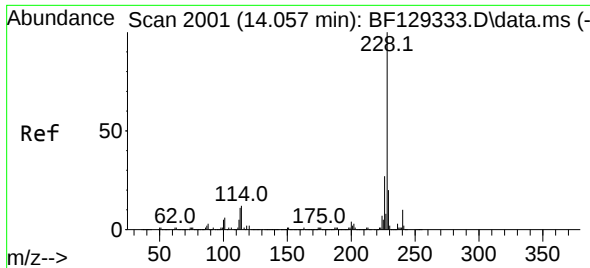
Delta R.T. -0.000 min

Lab File: BF129507.D

Acq: 02 Aug 2022 14:42

Tgt Ion:244 Resp: 1019291
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 13.5 8.8 13.2#





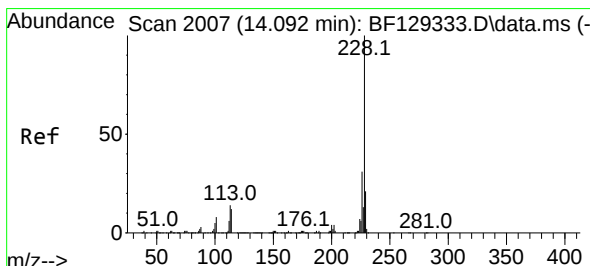
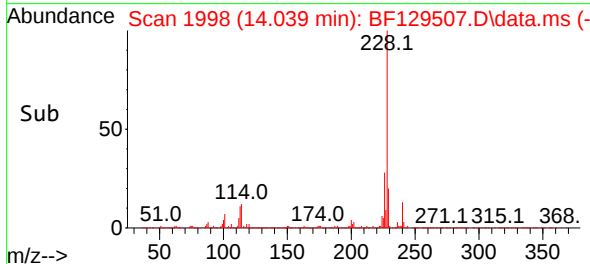
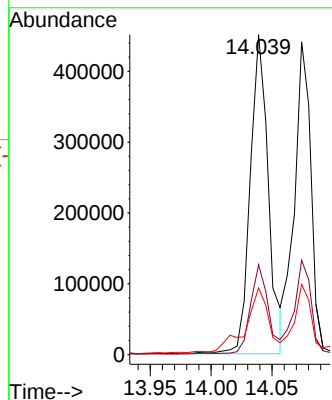
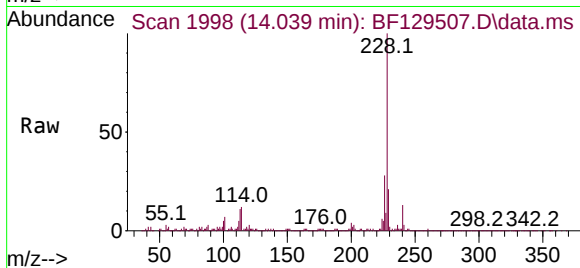
#81
Benzo(a)anthracene
Concen: 19.410 ng
RT: 14.039 min Scan# 19
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:228 Resp: 467179
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.8 15.8 23.8

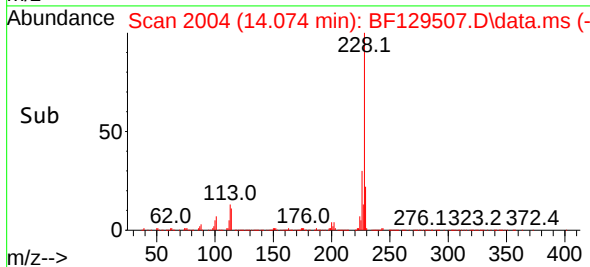
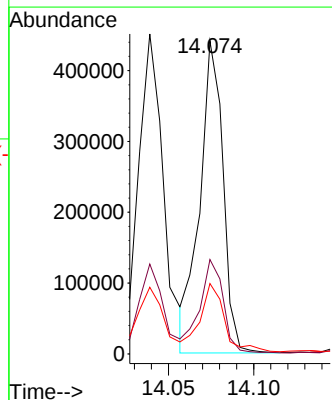
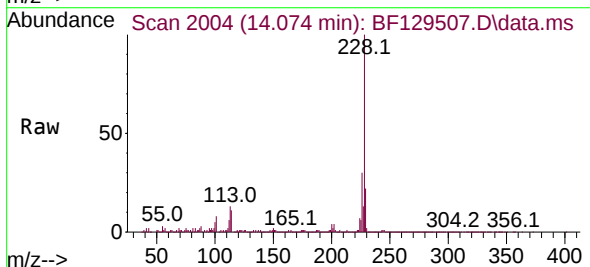
Manual Integrations
APPROVED

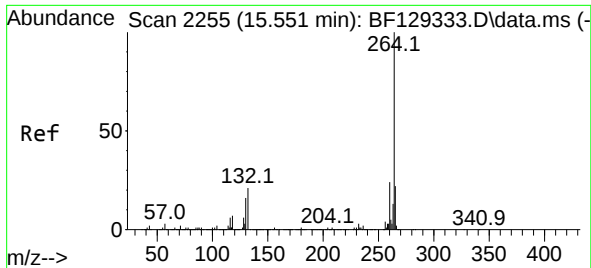
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#83
Chrysene
Concen: 18.419 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

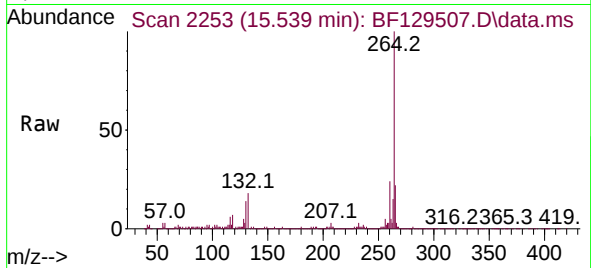
Tgt Ion:228 Resp: 417799
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 22.5 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

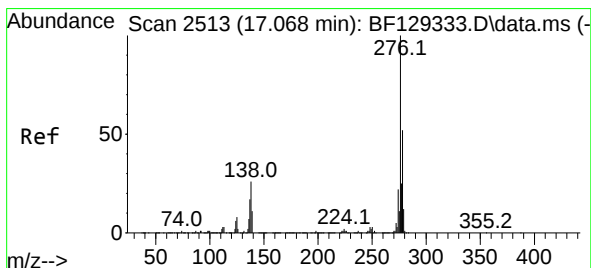
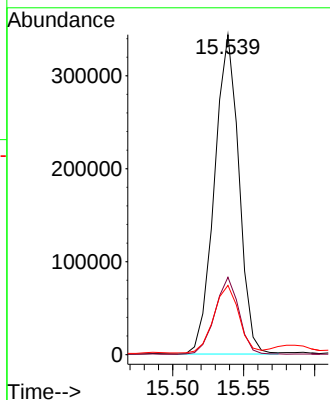
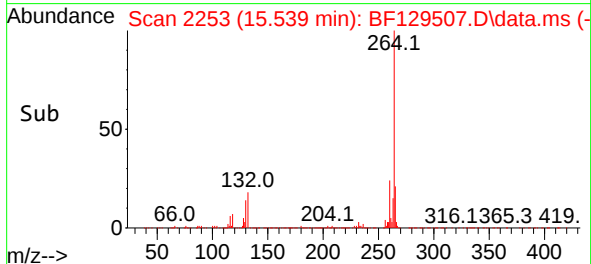
Instrument :
BNA_F
ClientSampleId :
COMP-2



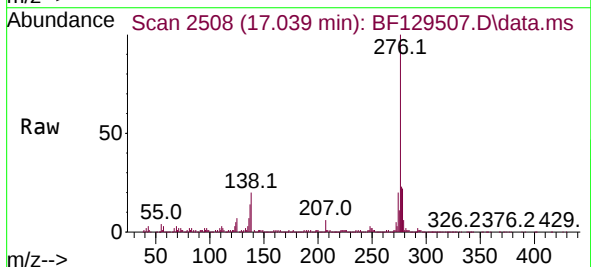
Tgt Ion:264 Resp: 412276
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 21.6 17.2 25.8

Manual Integrations
APPROVED

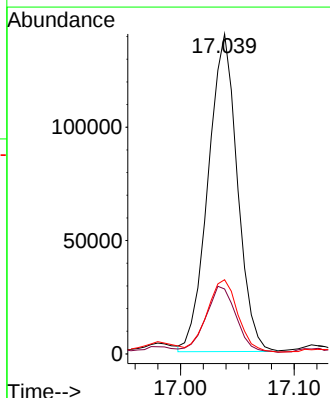
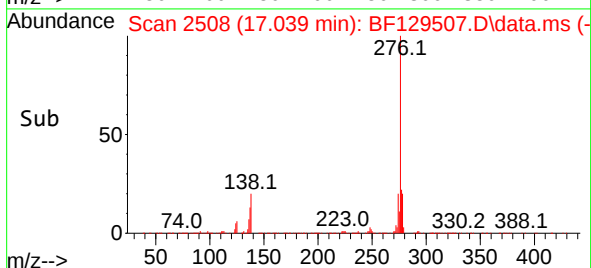
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022

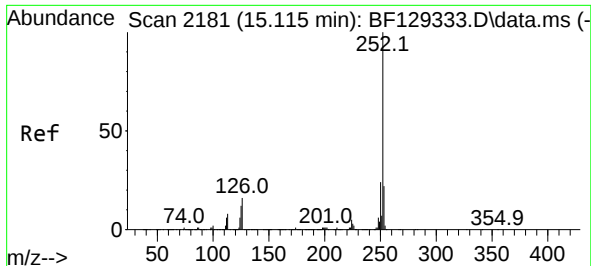


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.038 ng
RT: 17.039 min Scan# 2508
Delta R.T. 0.006 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42



Tgt Ion:276 Resp: 250914
Ion Ratio Lower Upper
276 100
138 21.6 21.1 31.7
277 23.8 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 18.811 ng m

RT: 15.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129507.D

Acq: 02 Aug 2022 14:42

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:252 Resp: 514436

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

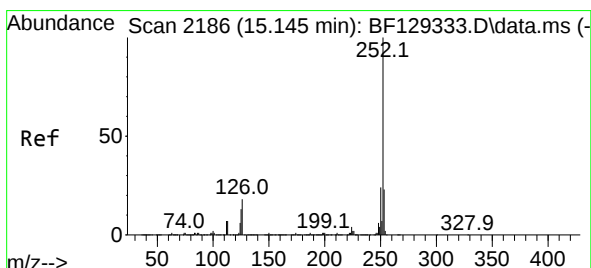
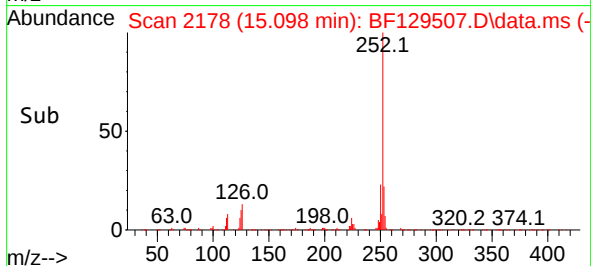
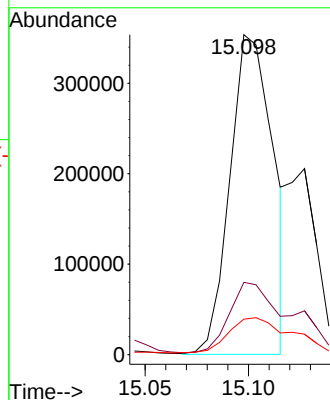
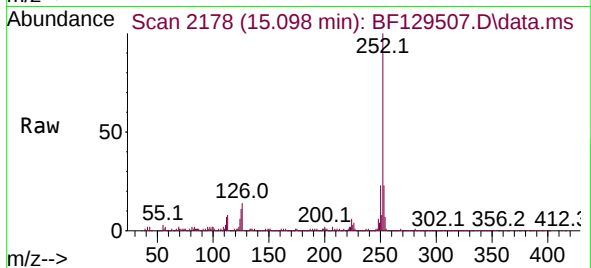
125 11.1 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/03/2022



#89

Benzo(k)fluoranthene

Concen: 7.371 ng m

RT: 15.127 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF129507.D

Acq: 02 Aug 2022 14:42

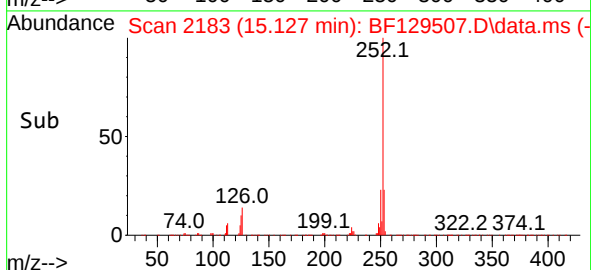
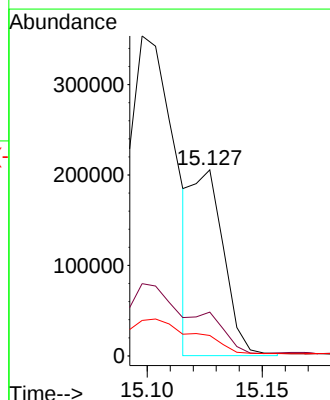
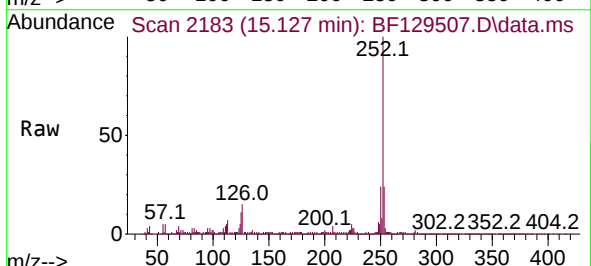
Tgt Ion:252 Resp: 197536

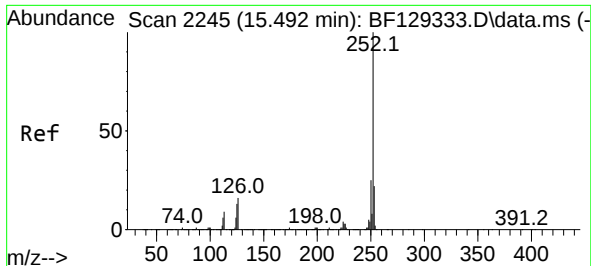
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 11.0 8.3 12.5





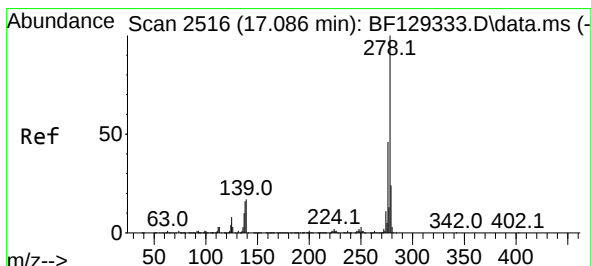
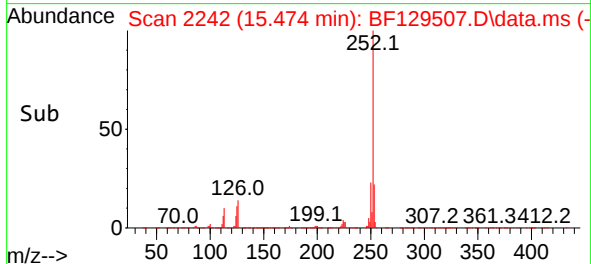
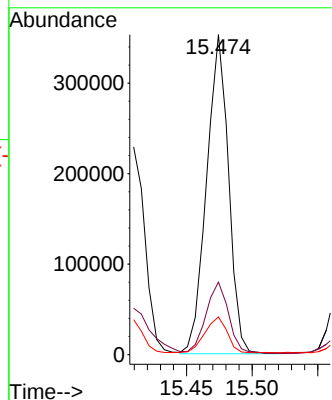
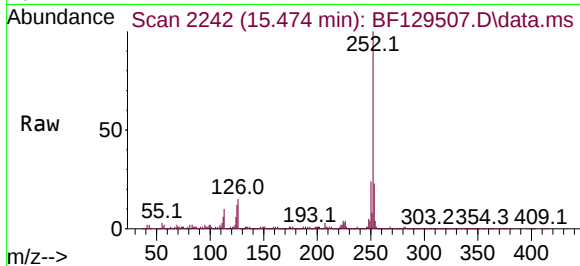
#90
Benzo(a)pyrene
Concen: 18.497 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 410628
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.8 8.8 13.2

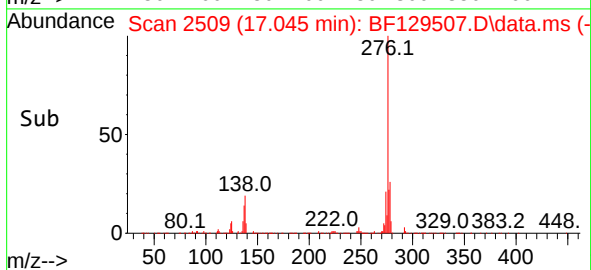
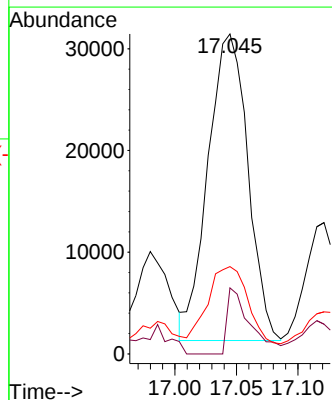
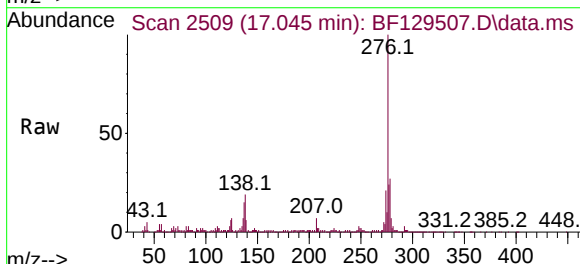
Manual Integrations
APPROVED

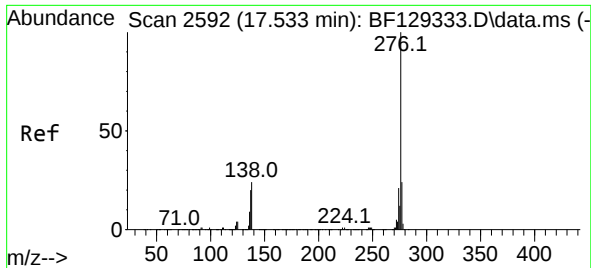
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/03/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.008 ng m
RT: 17.045 min Scan# 2509
Delta R.T. -0.000 min
Lab File: BF129507.D
Acq: 02 Aug 2022 14:42

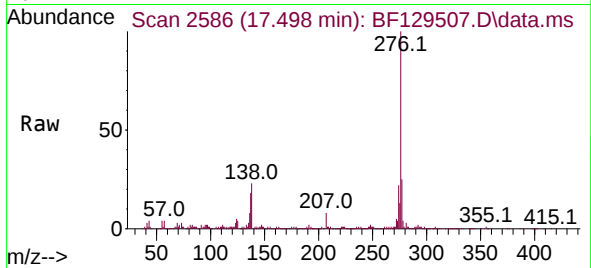
Tgt Ion:278 Resp: 67961
Ion Ratio Lower Upper
278 100
139 20.6 12.8 19.2#
279 27.3 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 10.192 ng
 RT: 17.498 min Scan# 2586
 Delta R.T. 0.006 min
 Lab File: BF129507.D
 Acq: 02 Aug 2022 14:42

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



Tgt Ion:	276	Resp:	235334
Ion Ratio	100	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	22.6	18.0	27.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/03/2022

