

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129707.D
 Acq On : 10 Aug 2022 21:31
 Operator : CG\JU
 Sample : N4119-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-2-4FT

Quant Time: Aug 10 21:55:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 15:26:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 08/11/2022
 Supervised By : Jagrut Upadhyay 08/11/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	187079	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	687182	20.000	ng	#-0.01
39) Acenaphthene-d10	9.875	164	292136	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	403744	20.000	ng	#-0.02
76) Chrysene-d12	14.015	240	330388	20.000	ng	-0.01
86) Perylene-d12	15.492	264	256385	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	176164	15.340	ng	0.00
7) Phenol-d6	6.492	99	216375	14.990	ng	-0.01
23) Nitrobenzene-d5	7.398	82	125428	9.964	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	33416	11.897	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	222855	11.801	ng	-0.02
79) Terphenyl-d14	12.945	244	160196	9.148	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	81862	3.126	ng	97
71) Phenanthrene	11.386	178	346124	15.705	ng	99
72) Anthracene	11.439	178	145568	6.721	ng	98
75) Fluoranthene	12.586	202	848545	37.999	ng	99
78) Pyrene	12.816	202	848759	30.721	ng	98
81) Benzo(a)anthracene	14.004	228	650042	28.803	ng	95
83) Chrysene	14.045	228	532280	25.025	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	261349	15.137	ng	94
88) Benzo(b)fluoranthene	15.062	252	622003m	36.574	ng	
89) Benzo(k)fluoranthene	15.086	252	255808m	15.349	ng	
90) Benzo(a)pyrene	15.427	252	472465	34.222	ng	96
91) Dibenzo(a,h)anthracene	16.968	278	71315m	5.075	ng	
92) Benzo(g,h,i)perylene	17.427	276	240391	16.741	ng	97

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

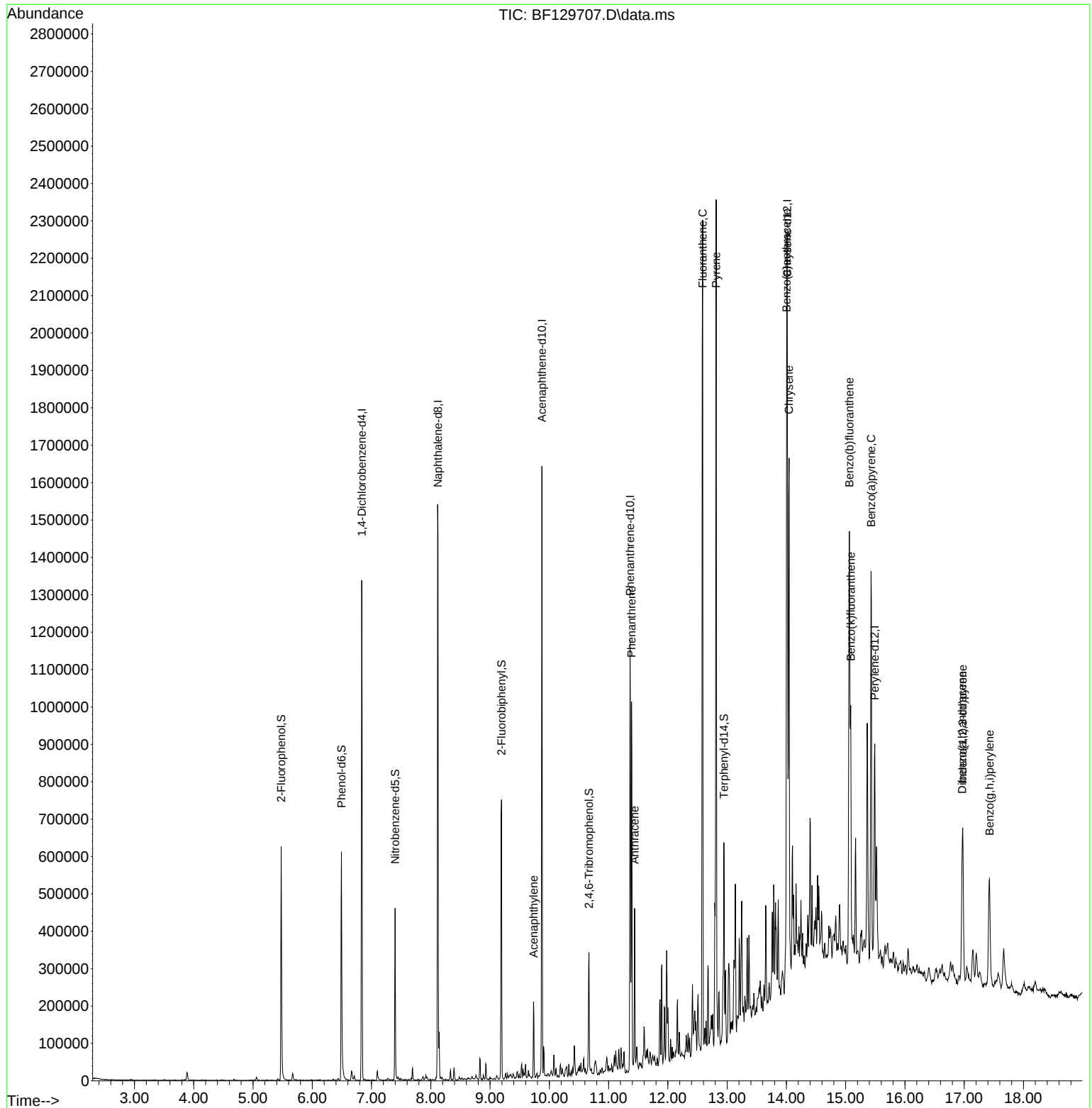
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
Data File : BF129707.D
Acq On : 10 Aug 2022 21:31
Operator : CG\JU
Sample : N4119-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

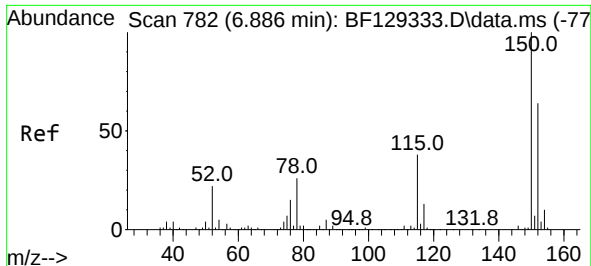
Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT

Quant Time: Aug 10 21:55:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 15:26:57 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

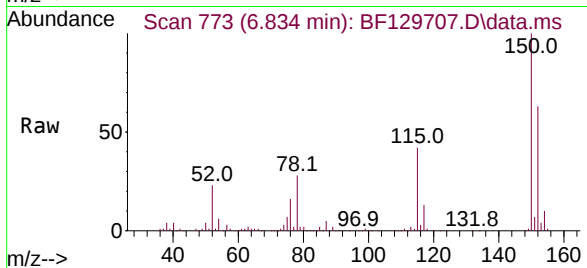
Reviewed By : Christian Giraldo 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

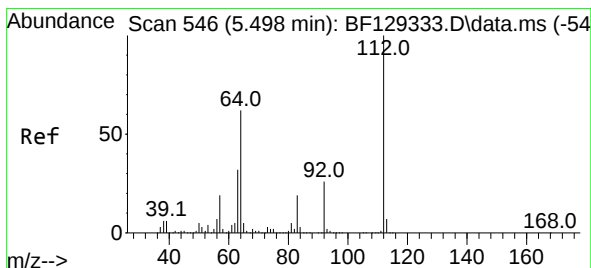
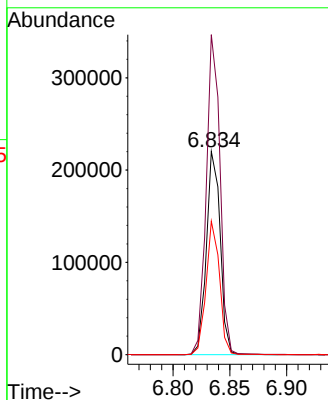
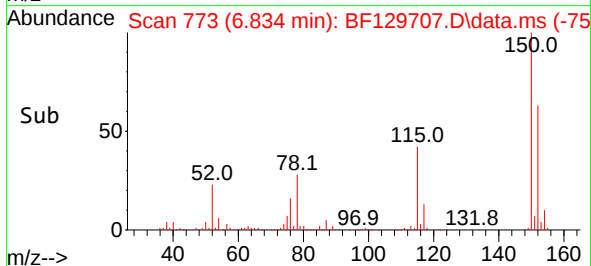
Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT



Tgt Ion:152 Resp: 187079
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 65.6 49.9 74.9

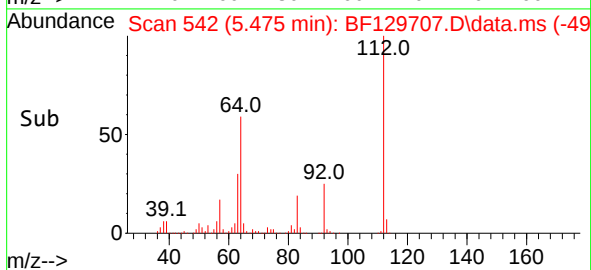
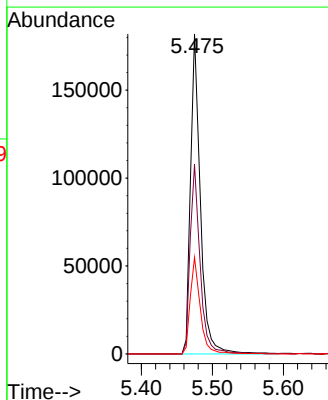
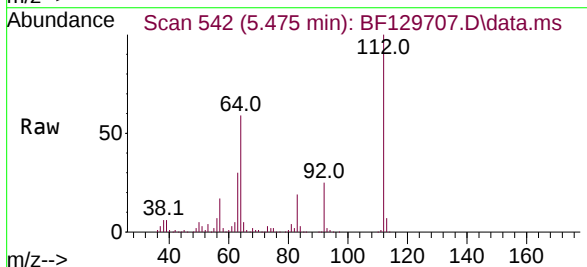
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#5
2-Fluorophenol
Concen: 15.340 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

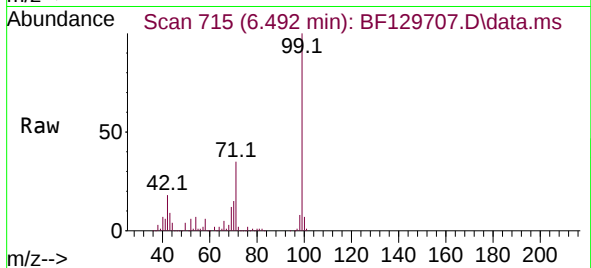
Tgt Ion:112 Resp: 176164
Ion Ratio Lower Upper
112 100
64 59.2 53.3 79.9
63 30.2 28.0 42.0





#7
Phenol-d6
Concen: 14.990 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

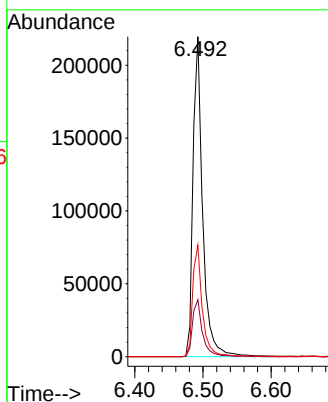
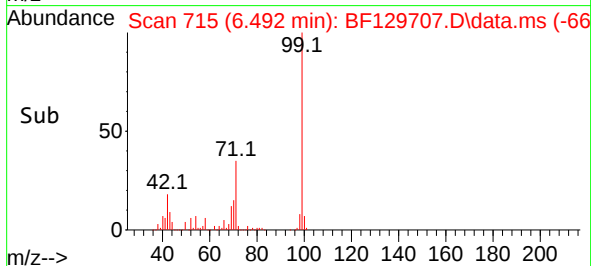
Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT



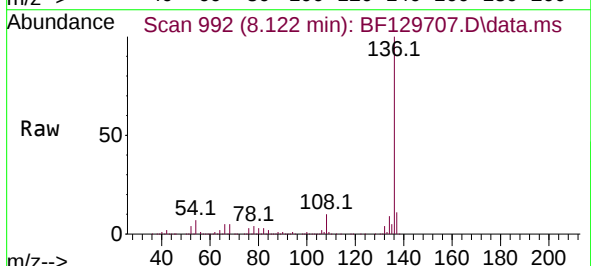
Tgt Ion: 99 Resp: 216375
Ion Ratio Lower Upper
99 100
42 17.8 17.3 25.9
71 34.8 28.9 43.3

Manual Integrations
APPROVED

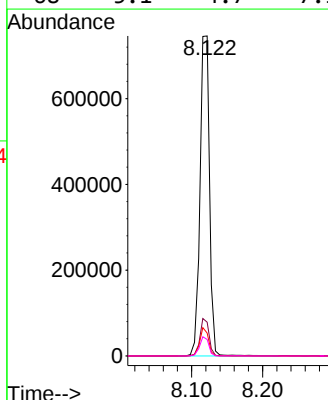
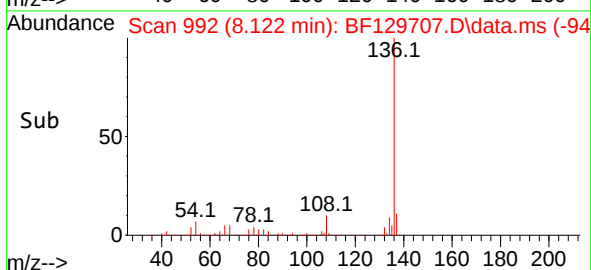
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

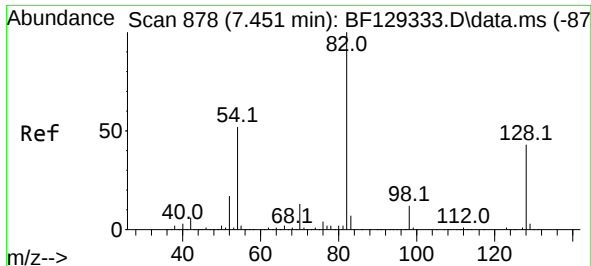


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31



Tgt Ion:136 Resp: 687182
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.1 7.5 11.3#
68 5.1 4.7 7.1





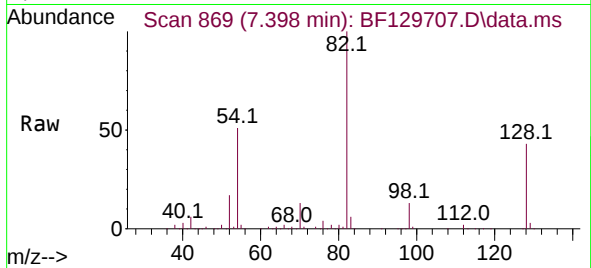
#23
Nitrobenzene-d5
Concen: 9.964 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.024 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

Instrument :

BNA_F

ClientSampleId :

TP1-2-4FT

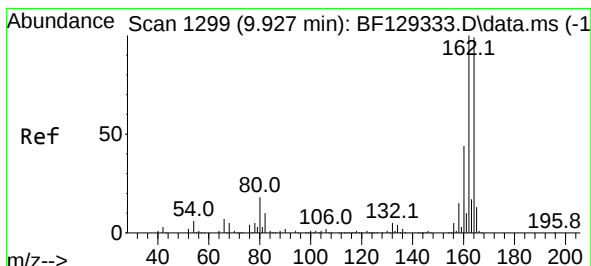
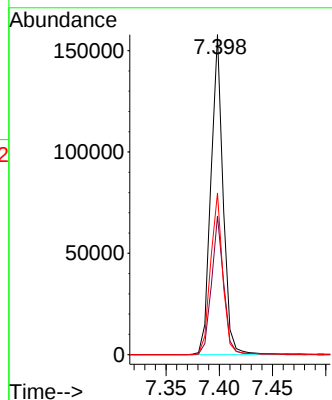
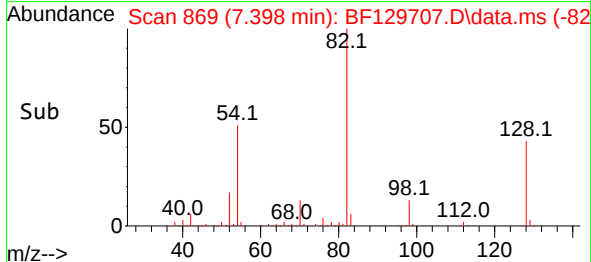


Tgt Ion: 82 Resp: 125428
Ion Ratio Lower Upper
82 100
128 43.3 34.0 51.0
54 50.5 46.9 70.3

Manual Integrations

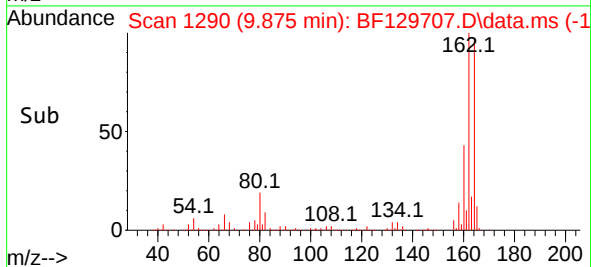
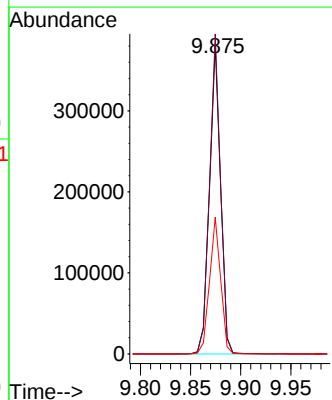
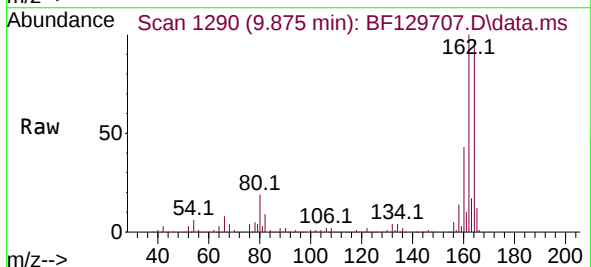
APPROVED

Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

Tgt Ion:164 Resp: 292136
Ion Ratio Lower Upper
164 100
162 103.6 79.5 119.3
160 44.2 34.2 51.4





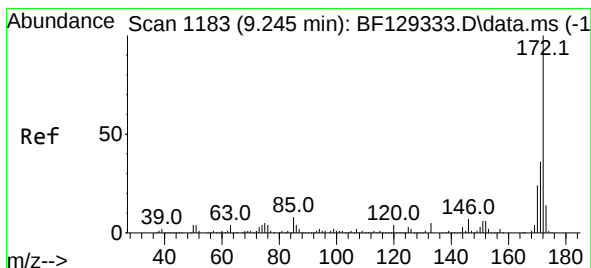
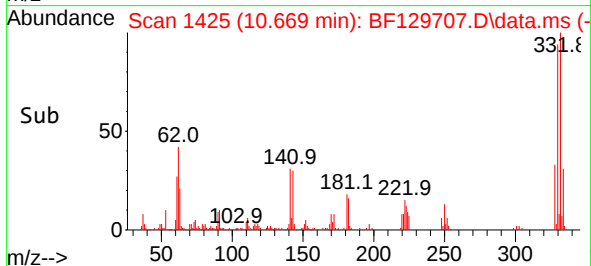
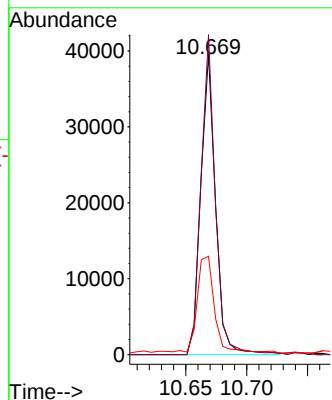
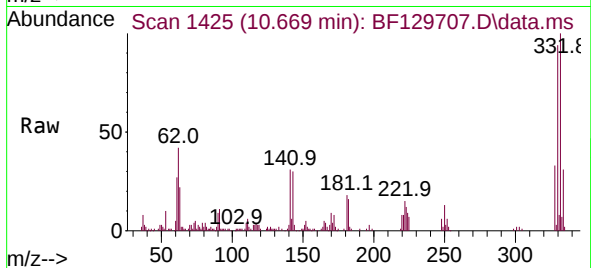
#42
2,4,6-Tribromophenol
Concen: 11.897 ng
RT: 10.669 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT

Tgt Ion: 330 Resp: 33416
Ion Ratio Lower Upper
330 100
332 103.2 76.8 115.2
141 35.7 28.0 42.0

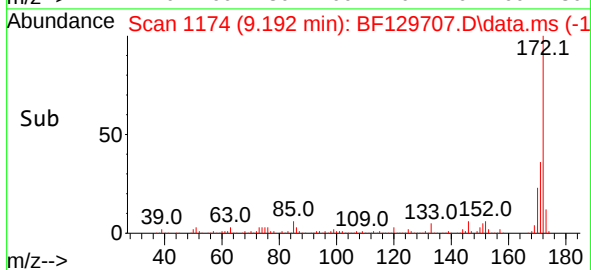
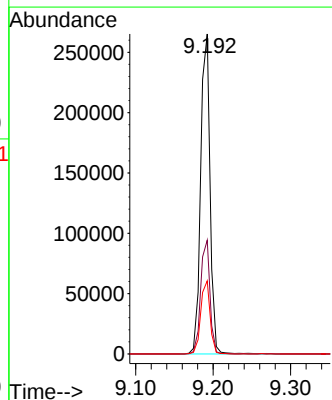
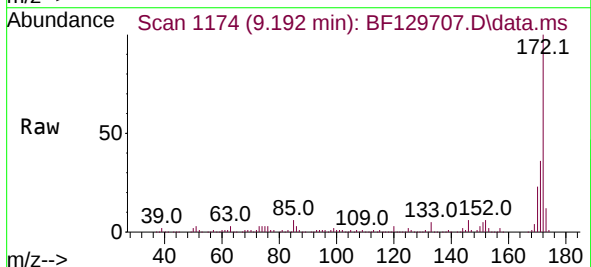
Manual Integrations
APPROVED

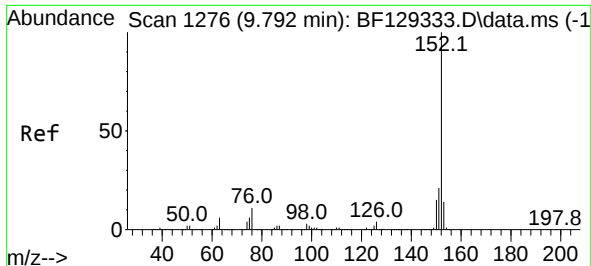
Reviewed By : Christian Giraldo 08/11/2022
Supervised By : Jagrut Upadhyay 08/11/2022



#45
2-Fluorobiphenyl
Concen: 11.801 ng
RT: 9.192 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

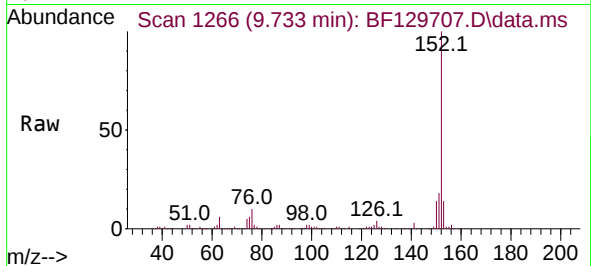
Tgt Ion: 172 Resp: 222855
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 22.8 19.8 29.8





#49
Acenaphthylene
Concen: 3.126 ng
RT: 9.733 min Scan# 1543
Delta R.T. -0.024 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

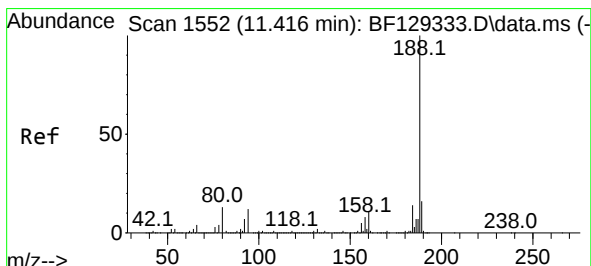
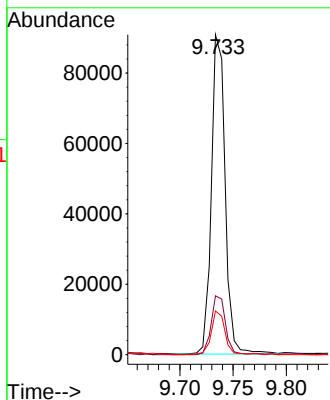
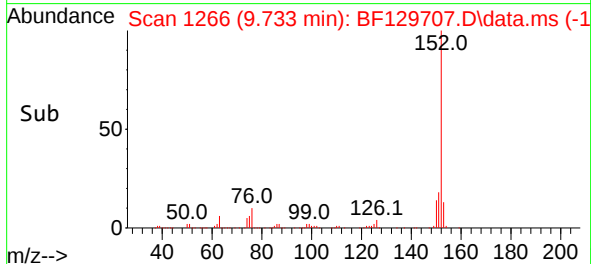
Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT



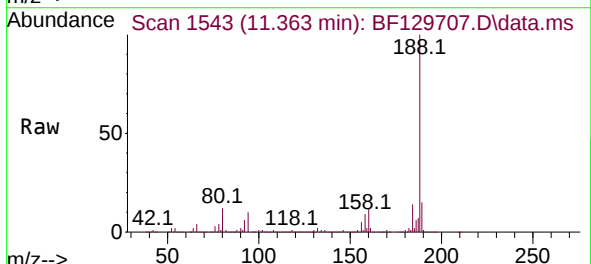
Tgt Ion:152 Resp: 81862
Ion Ratio Lower Upper
152 100
151 18.4 16.2 24.4
153 13.6 10.7 16.1

Manual Integrations
APPROVED

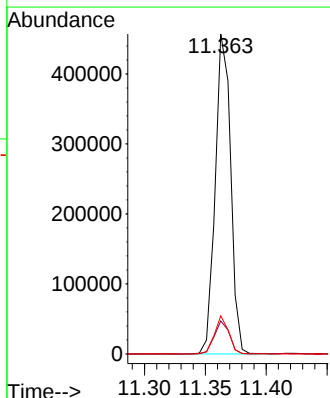
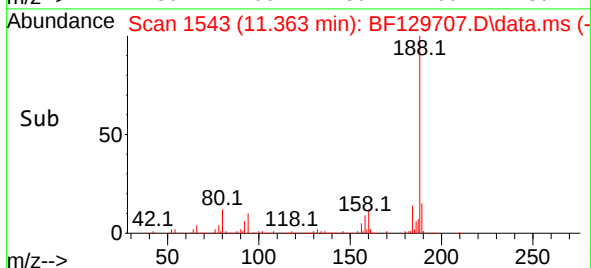
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

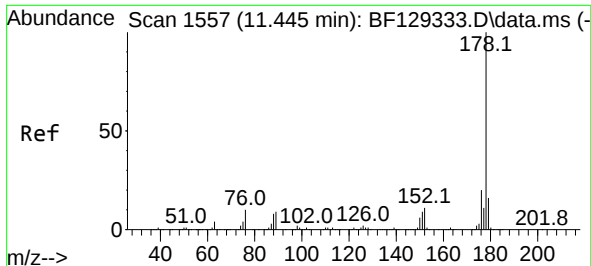


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.018 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31



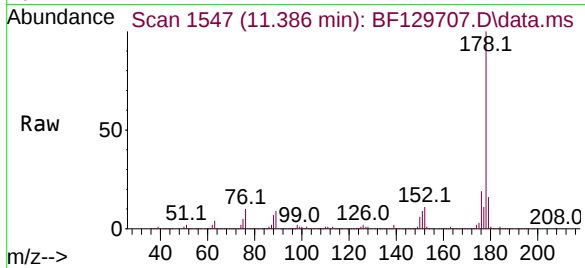
Tgt Ion:188 Resp: 403744
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 11.9 7.6 11.4





#71
Phenanthrene
Concen: 15.705 ng
RT: 11.386 min Scan# 11557
Delta R.T. -0.024 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

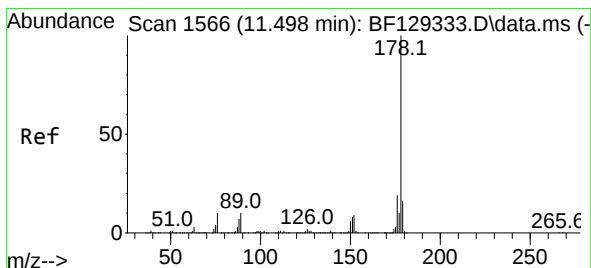
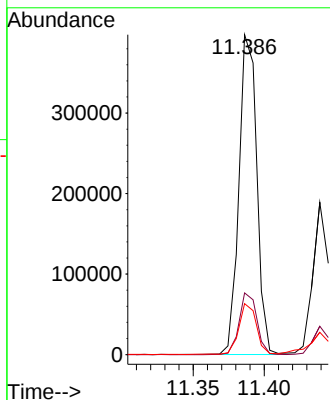
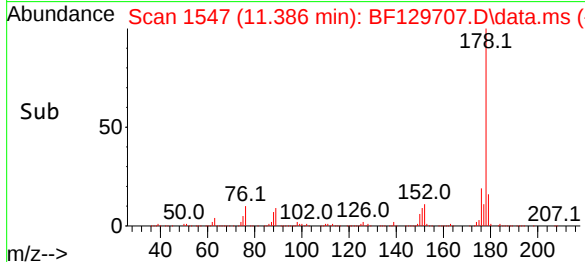
Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT



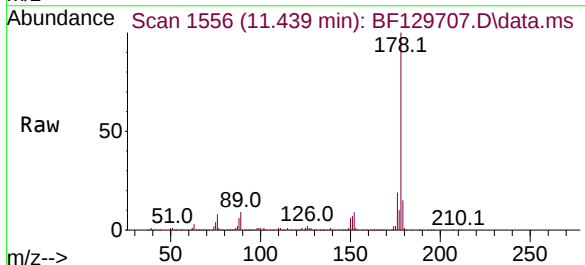
Tgt Ion:178 Resp: 346124
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.9 12.6 19.0

Manual Integrations
APPROVED

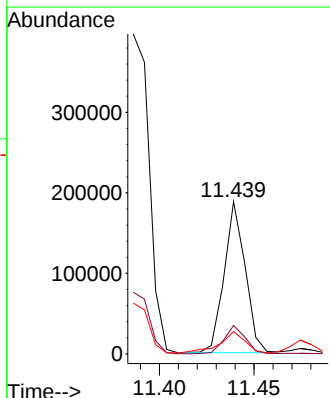
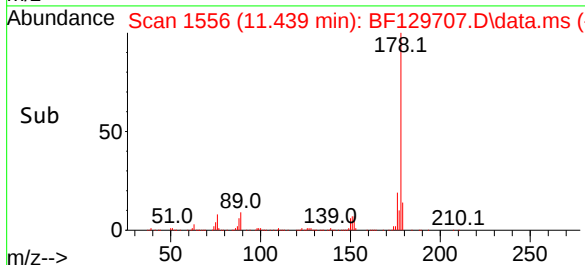
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

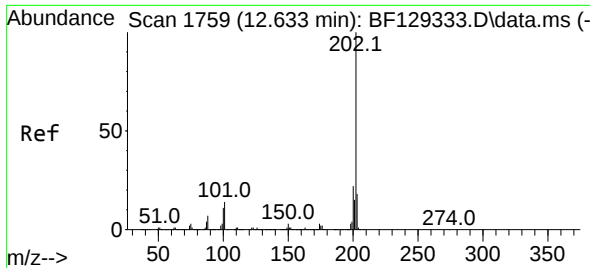


#72
Anthracene
Concen: 6.721 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.024 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31



Tgt Ion:178 Resp: 145568
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.7 12.6 19.0





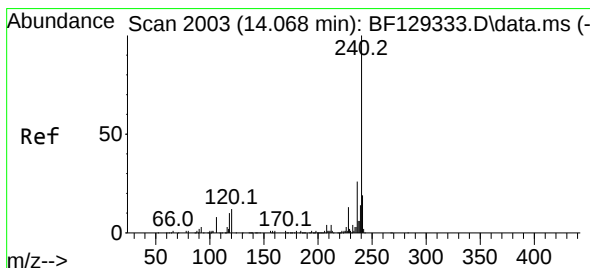
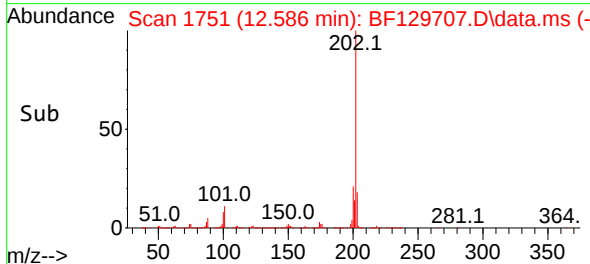
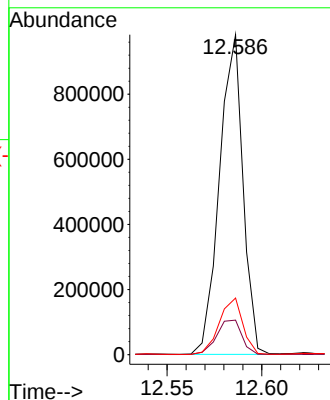
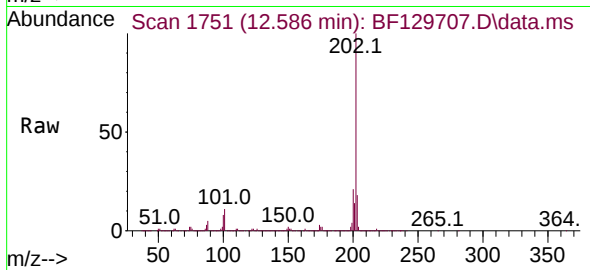
#75
Fluoranthene
Concen: 37.999 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT

Tgt Ion:202 Resp: 848545
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 17.7 0.0 38.0

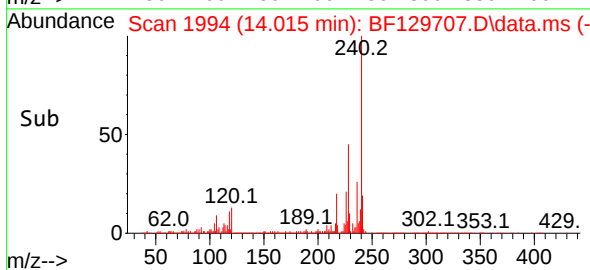
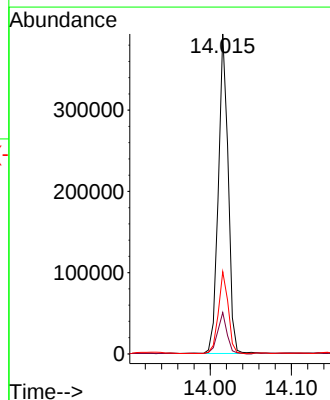
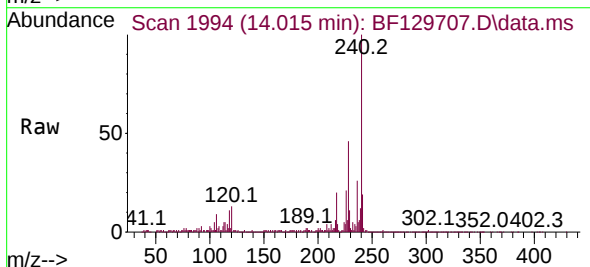
Manual Integrations
APPROVED

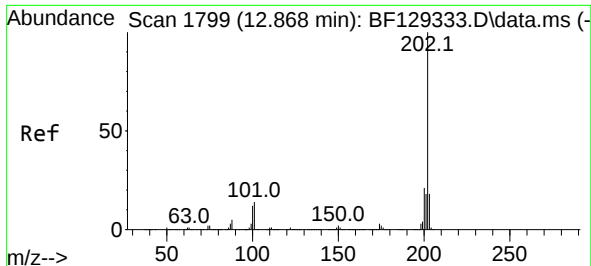
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

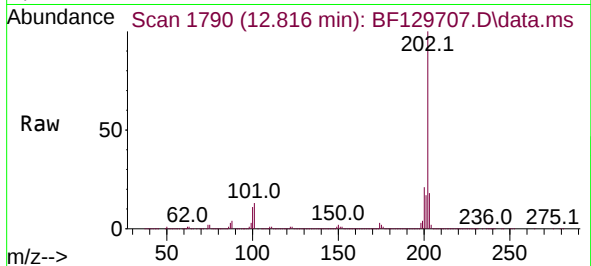
Tgt Ion:240 Resp: 330388
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 25.7 20.8 31.2





#78
Pyrene
Concen: 30.721 ng
RT: 12.816 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

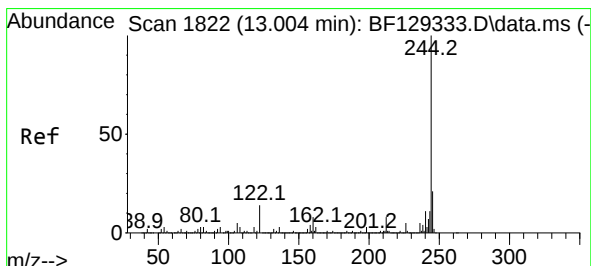
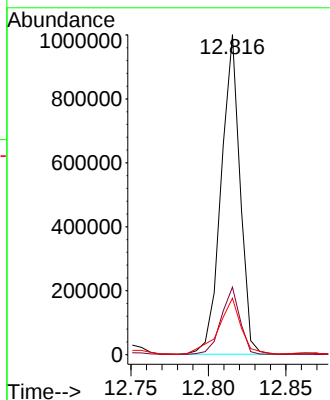
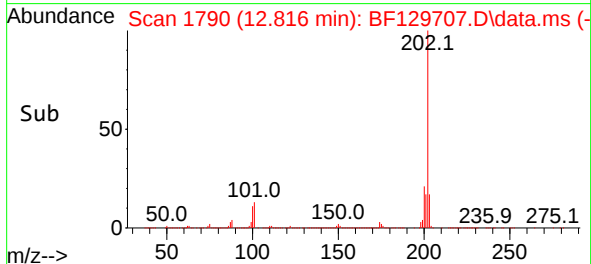
Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT



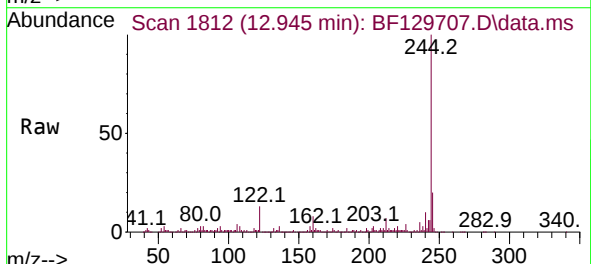
Tgt Ion:202 Resp: 848759
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.7 14.6 21.8

Manual Integrations
APPROVED

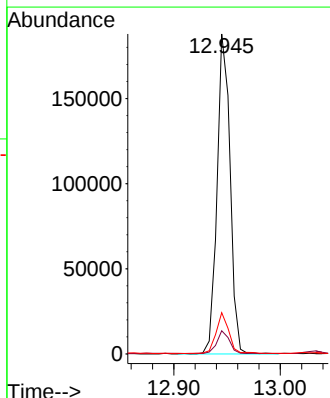
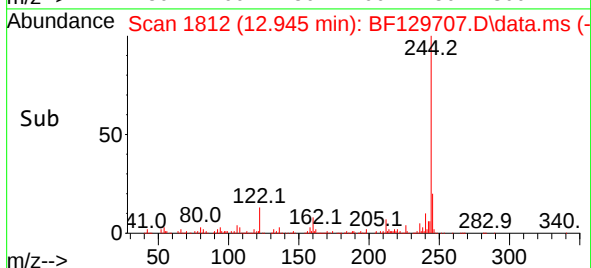
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

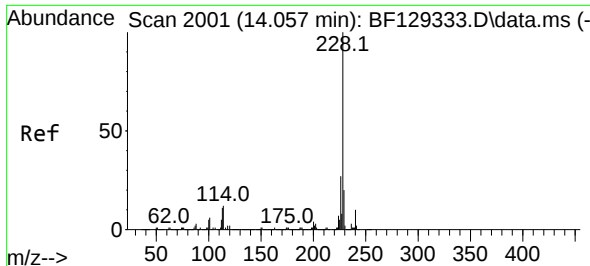


#79
Terphenyl-d14
Concen: 9.148 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.024 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31



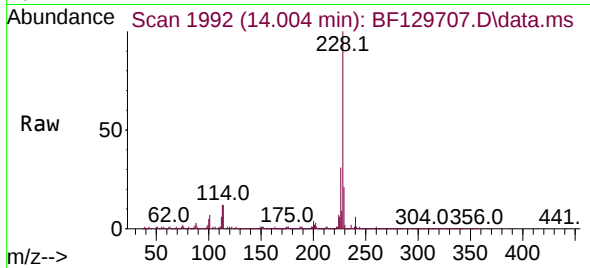
Tgt Ion:244 Resp: 160196
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 12.9 8.8 13.2





#81
Benzo(a)anthracene
Concen: 28.803 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

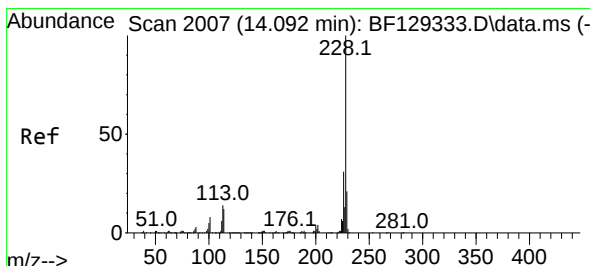
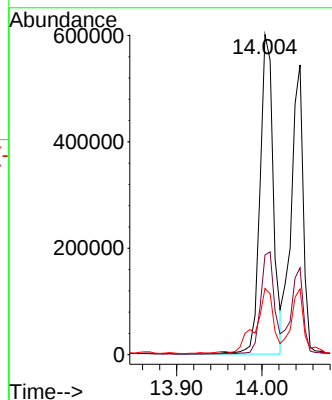
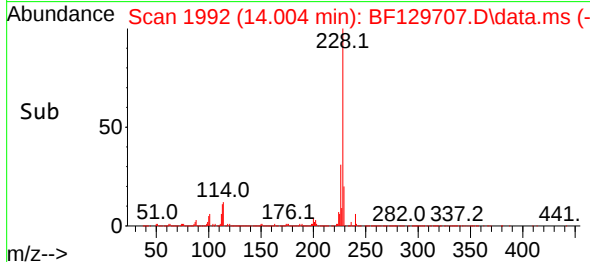
Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT



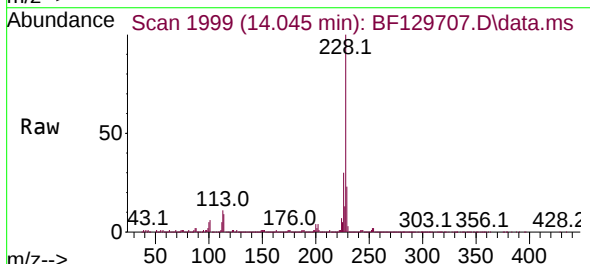
Tgt Ion:228 Resp: 650042
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 20.7 15.8 23.8

Manual Integrations
APPROVED

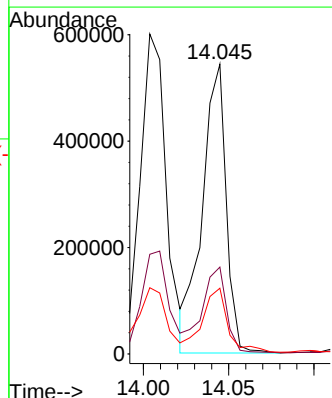
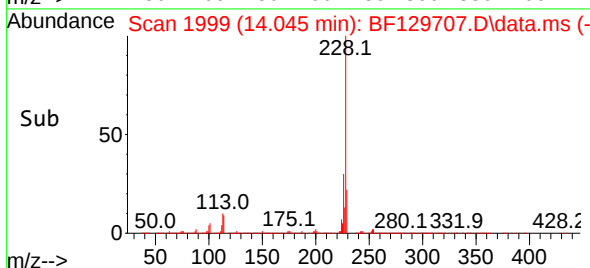
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

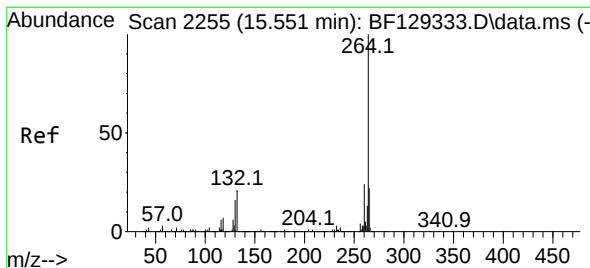


#83
Chrysene
Concen: 25.025 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31



Tgt Ion:228 Resp: 532280
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 22.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129707.D

Acq: 10 Aug 2022 21:31

Instrument :

BNA_F

ClientSampleId :

TP1-2-4FT

Tgt Ion:264 Resp: 256385

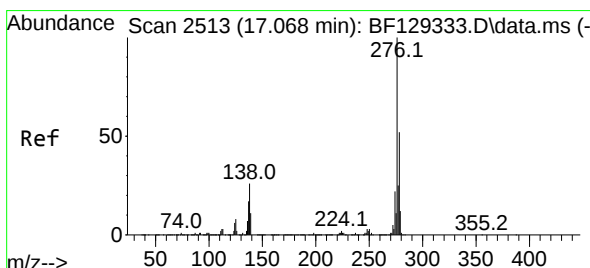
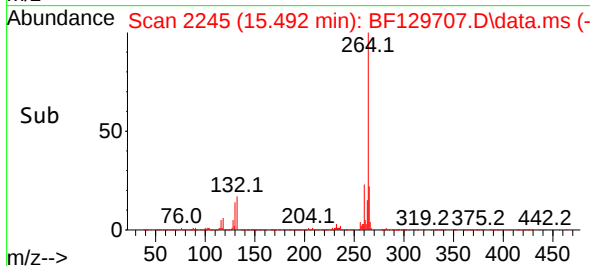
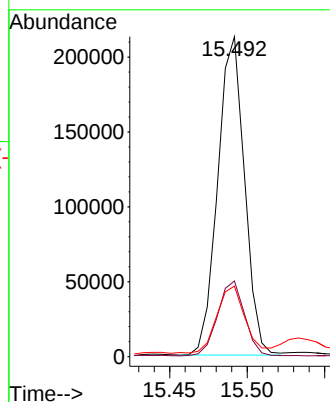
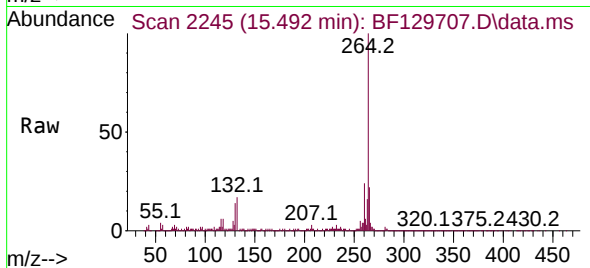
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	22.0	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.137 ng

RT: 16.974 min Scan# 2497

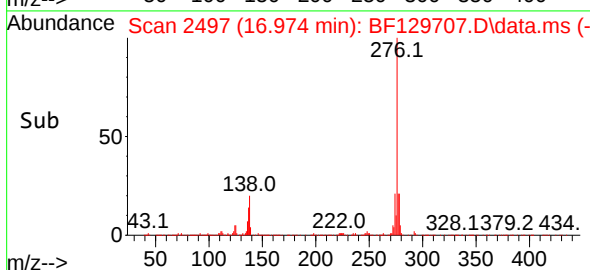
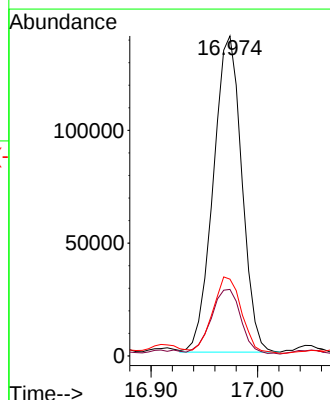
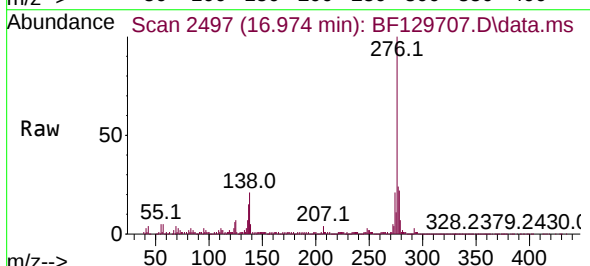
Delta R.T. -0.024 min

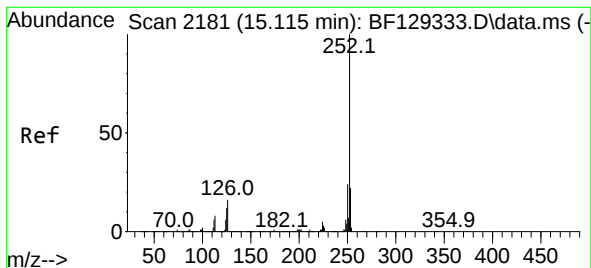
Lab File: BF129707.D

Acq: 10 Aug 2022 21:31

Tgt Ion:276 Resp: 261349

Ion	Ratio	Lower	Upper
276	100		
138	21.4	21.1	31.7
277	24.4	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 36.574 ng m

RT: 15.062 min Scan# 2172

Delta R.T. -0.006 min

Lab File: BF129707.D

Acq: 10 Aug 2022 21:31

Instrument :

BNA_F

ClientSampleId :

TP1-2-4FT

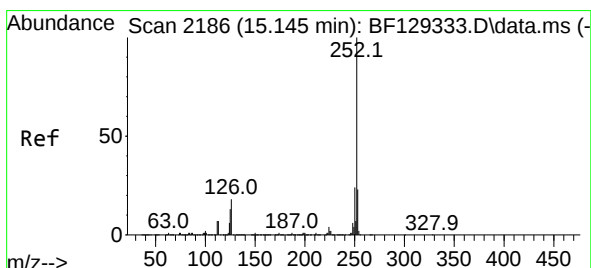
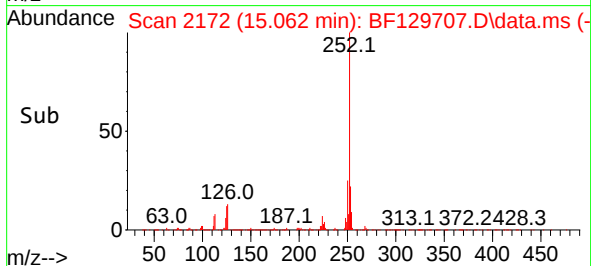
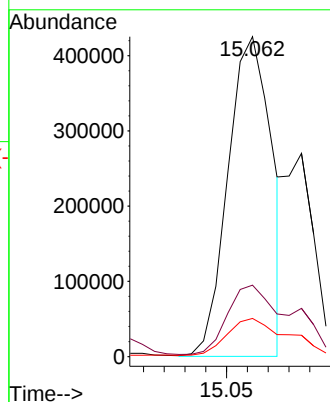
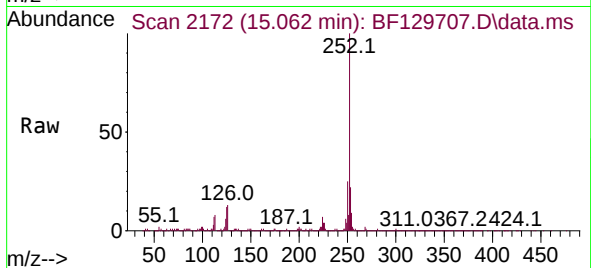
Tgt Ion:252 Resp: 622003
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 11.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/11/2022

Supervised By :Jagrut Upadhyay 08/11/2022



#89

Benzo(k)fluoranthene

Concen: 15.349 ng m

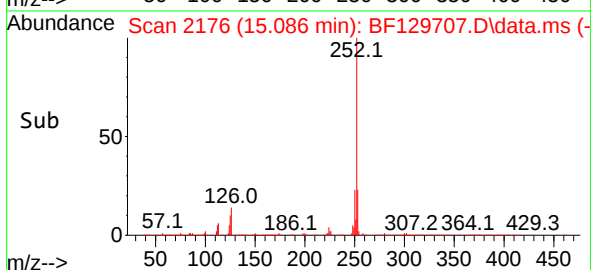
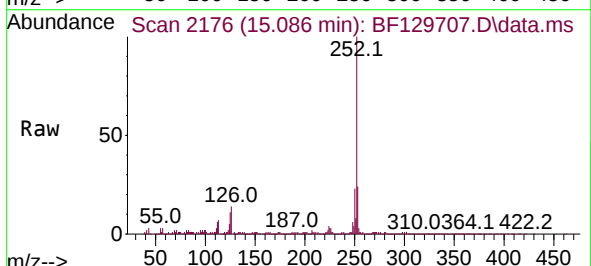
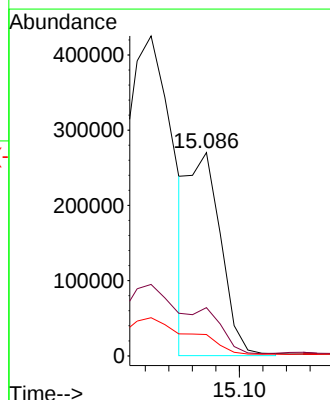
RT: 15.086 min Scan# 2176

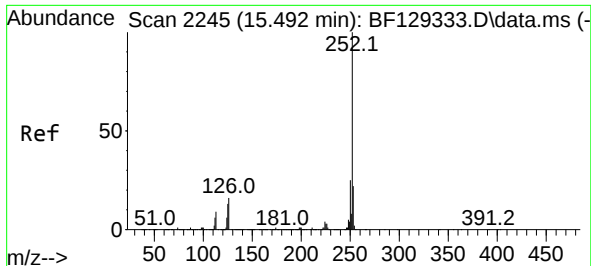
Delta R.T. -0.018 min

Lab File: BF129707.D

Acq: 10 Aug 2022 21:31

Tgt Ion:252 Resp: 255808
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.8 26.6
 125 10.5 8.3 12.5





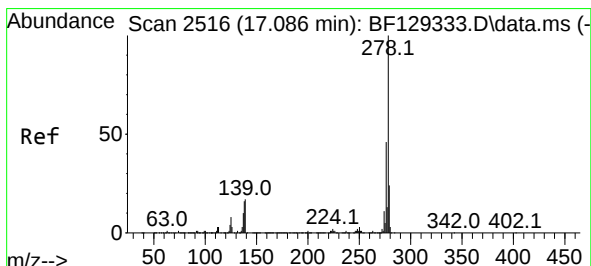
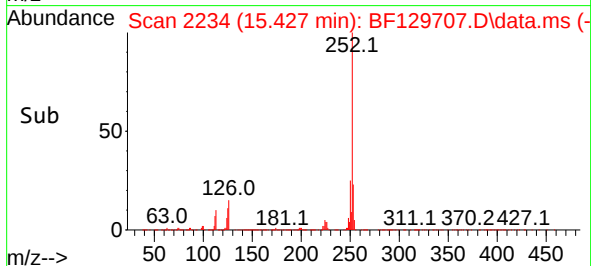
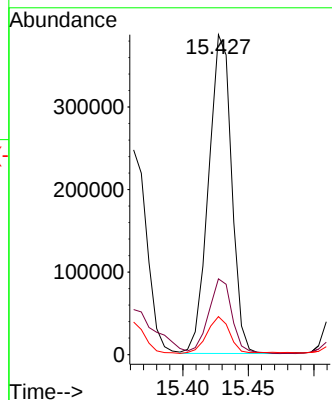
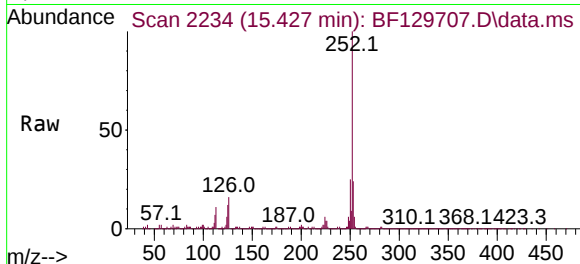
#90
Benzo(a)pyrene
Concen: 34.222 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

Instrument :
BNA_F
ClientSampleId :
TP1-2-4FT

Tgt Ion:252 Resp: 472465
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 11.9 8.8 13.2

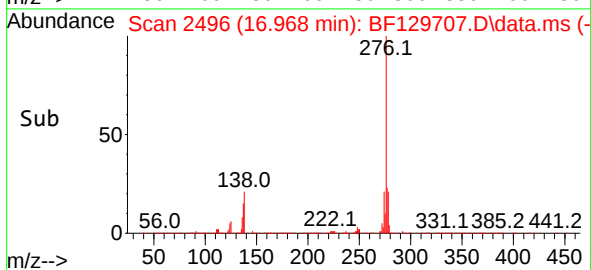
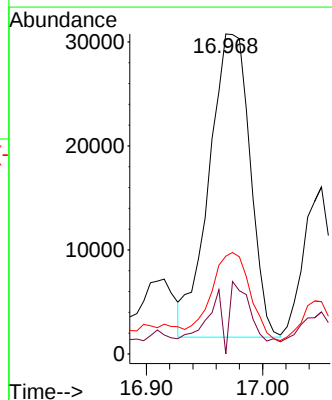
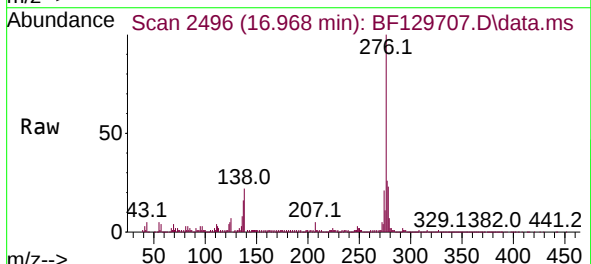
Manual Integrations
APPROVED

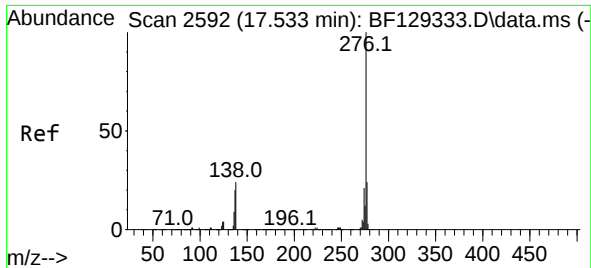
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.075 ng m
RT: 16.968 min Scan# 2496
Delta R.T. -0.041 min
Lab File: BF129707.D
Acq: 10 Aug 2022 21:31

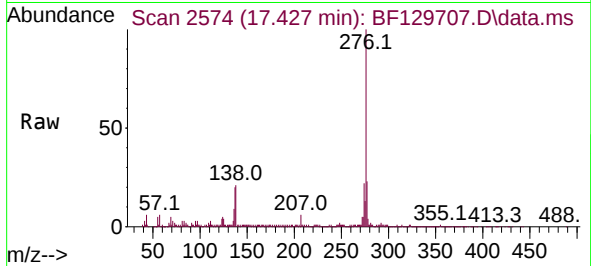
Tgt Ion:278 Resp: 71315
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 30.5 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 16.741 ng
 RT: 17.427 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF129707.D
 Acq: 10 Aug 2022 21:31

Instrument :
 BNA_F
 ClientSampleId :
 TP1-2-4FT



Tgt Ion:	276	Resp:	24039
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.1	28.7
138	20.8	18.0	27.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

