

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
 Data File : BF130007.D
 Acq On : 25 Aug 2022 19:27
 Operator : CG\JU
 Sample : N4326-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-082322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/26/2022
 Supervised By : Jagrut Upadhyay 08/26/2022

Quant Time: Aug 26 01:02:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	101368	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	361346	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	158406	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	262659	20.000	ng	0.00
76) Chrysene-d12	13.927	240	272057	20.000	ng	0.00
86) Perylene-d12	15.374	264	221398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	142670	23.303	ng	0.00
7) Phenol-d6	6.422	99	162168	21.152	ng	0.00
23) Nitrobenzene-d5	7.322	82	104007	15.408	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	30676	19.295	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	167435	16.054	ng	0.00
79) Terphenyl-d14	12.857	244	190444	11.648	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.651	152	35578	2.464	ng	99
58) Fluorene	10.339	166	25062	2.281	ng	92
71) Phenanthrene	11.304	178	255337	17.406	ng	98
72) Anthracene	11.357	178	71050	4.870	ng	98
75) Fluoranthene	12.498	202	422711	28.160	ng	98
78) Pyrene	12.727	202	413954	17.510	ng	99
81) Benzo(a)anthracene	13.915	228	244440	13.061	ng	98
83) Chrysene	13.951	228	209093	11.935	ng	98
87) Indeno(1,2,3-cd)pyrene	16.827	276	82622	5.436	ng	# 93
88) Benzo(b)fluoranthene	14.962	252	246780m	16.278	ng	
89) Benzo(k)fluoranthene	14.986	252	61644m	4.240	ng	
90) Benzo(a)pyrene	15.315	252	164632	13.790	ng	# 96
92) Benzo(g,h,i)perylene	17.262	276	76442	6.110	ng	94

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

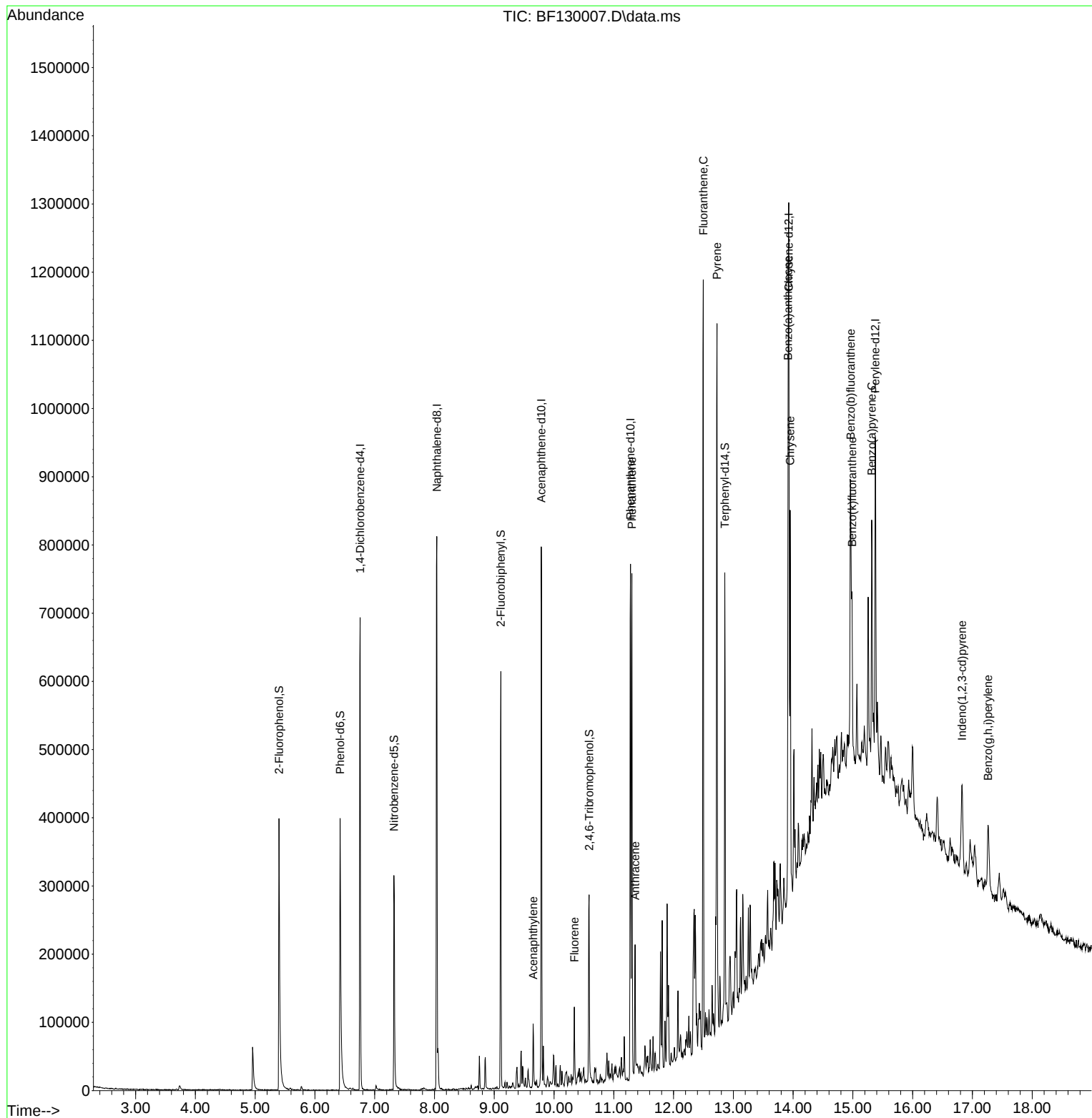
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
Data File : BF130007.D
Acq On : 25 Aug 2022 19:27
Operator : CG\JU
Sample : N4326-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

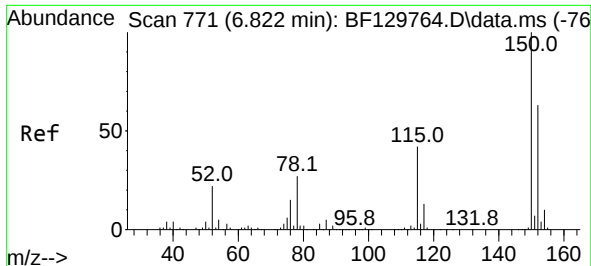
Instrument :
BNA_F
ClientSampleId :
SU-03-082322

Quant Time: Aug 26 01:02:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 14:45:09 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

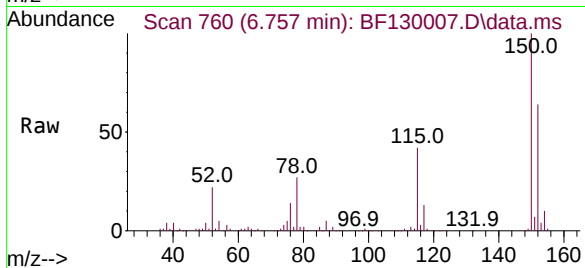
Reviewed By : Christian Giraldo 08/26/2022
Supervised By : Jagrut Upadhyay 08/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

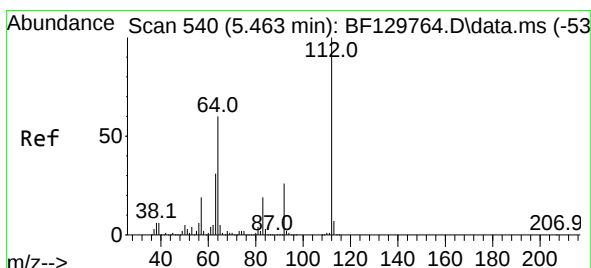
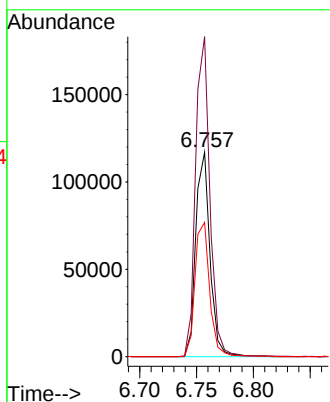
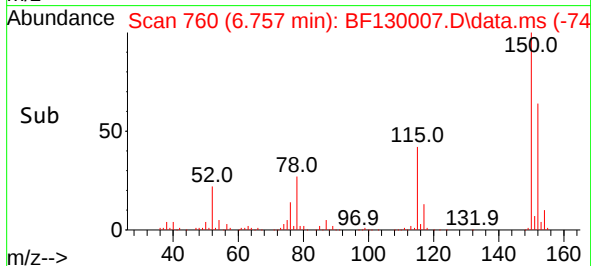
Instrument :
BNA_F
ClientSampleId :
SU-03-082322



Tgt Ion:152 Resp: 101368
Ion Ratio Lower Upper
152 100
150 156.6 126.9 190.3
115 65.7 53.4 80.0

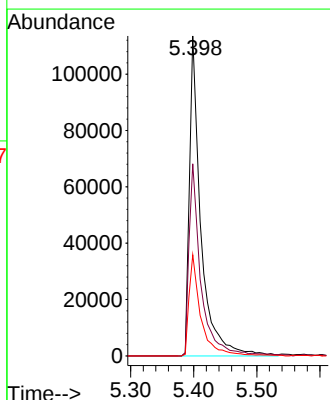
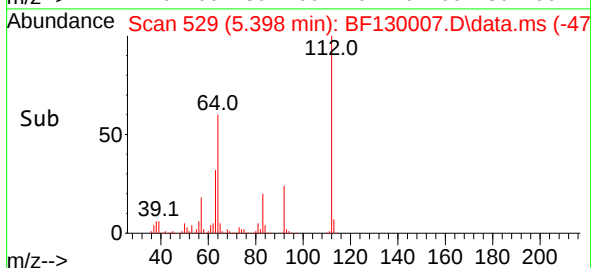
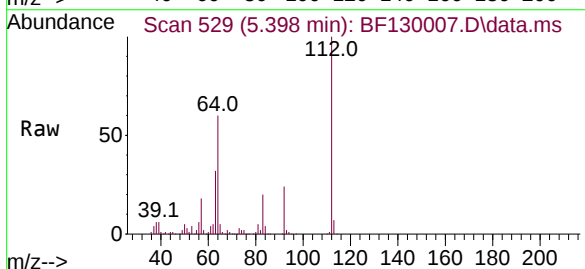
Manual Integrations
APPROVED

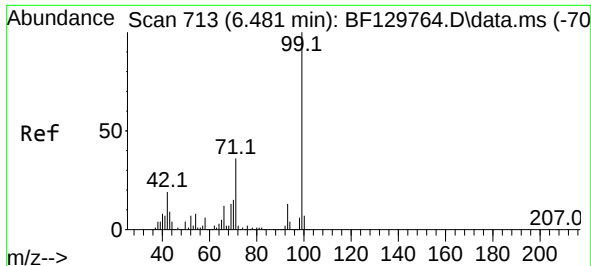
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#5
2-Fluorophenol
Concen: 23.303 ng
RT: 5.398 min Scan# 529
Delta R.T. 0.006 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

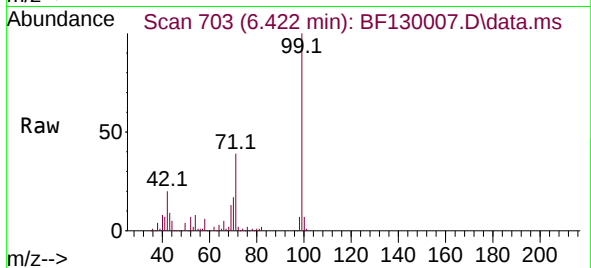
Tgt Ion:112 Resp: 142670
Ion Ratio Lower Upper
112 100
64 60.0 47.6 71.4
63 31.6 24.6 37.0





#7
Phenol-d6
Concen: 21.152 ng
RT: 6.422 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

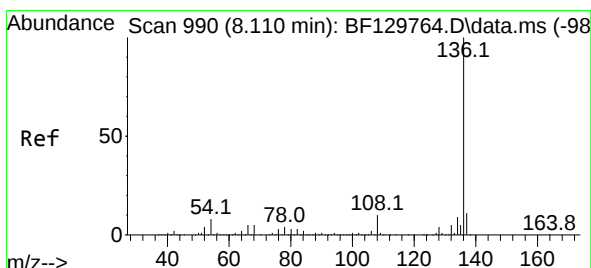
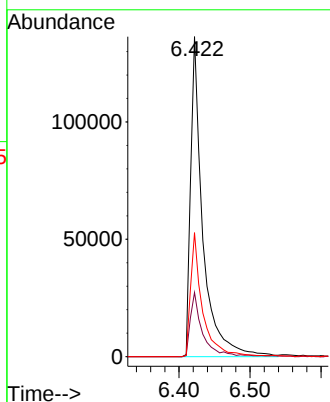
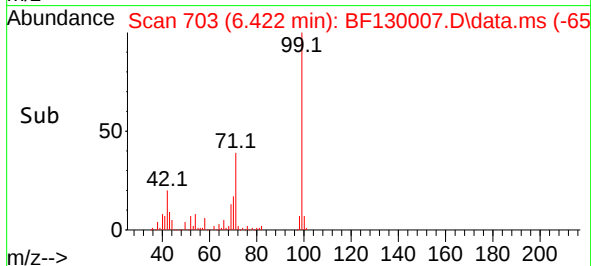
Instrument :
BNA_F
ClientSampleId :
SU-03-082322



Tgt Ion: 99 Resp: 162168
Ion Ratio Lower Upper
99 100
42 20.0 15.0 22.4
71 38.7 28.8 43.2

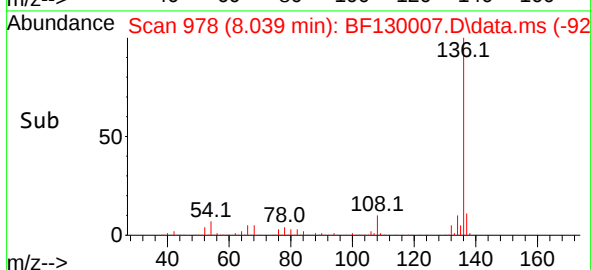
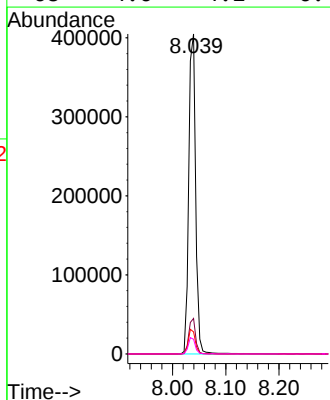
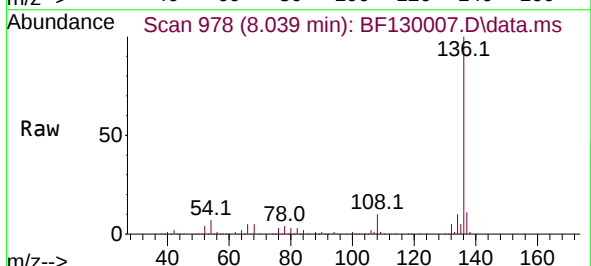
Manual Integrations
APPROVED

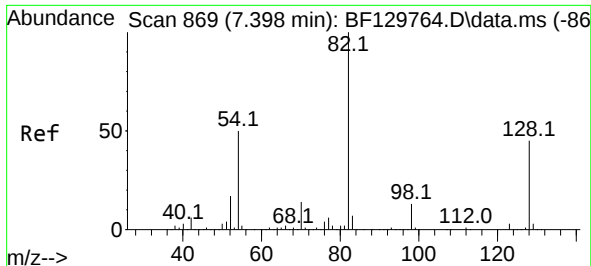
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 978
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Tgt Ion:136 Resp: 361346
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.9 6.2 9.2
68 4.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 15.408 ng

RT: 7.322 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130007.D

Acq: 25 Aug 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SU-03-082322

Tgt Ion: 82 Resp: 10400

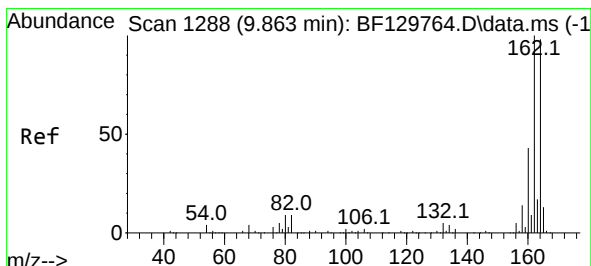
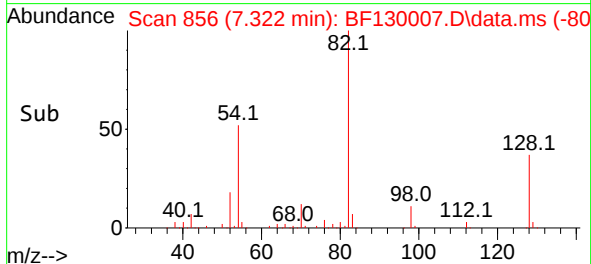
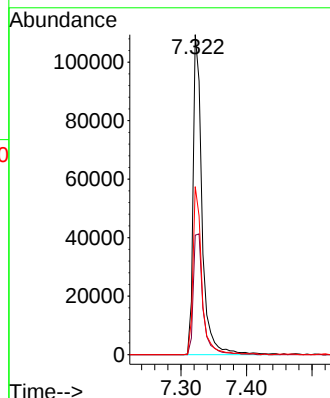
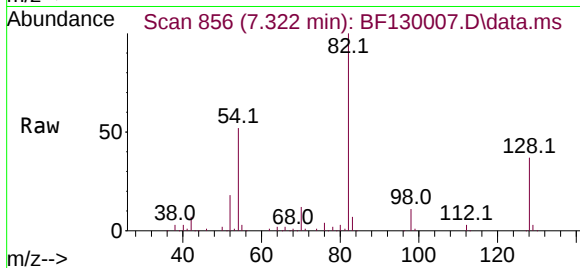
Ion	Ratio	Lower	Upper
82	100		
128	37.3	36.1	54.1
54	52.5	40.0	60.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/26/2022

Supervised By :Jagrut Upadhyay 08/26/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 1275

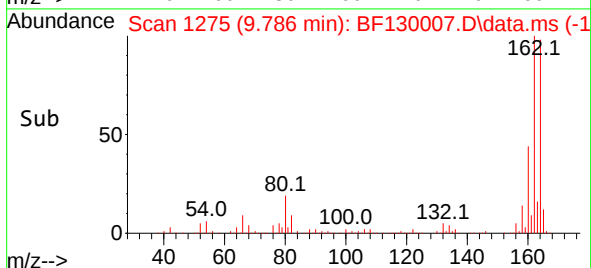
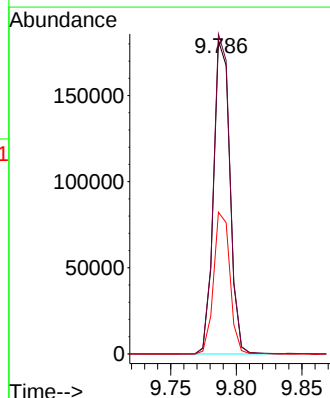
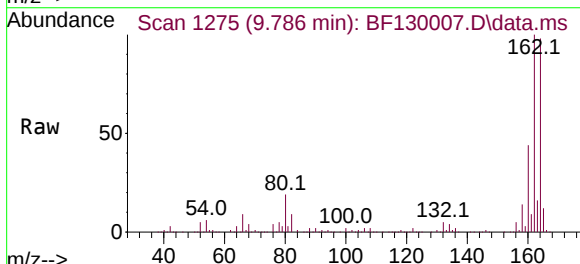
Delta R.T. -0.006 min

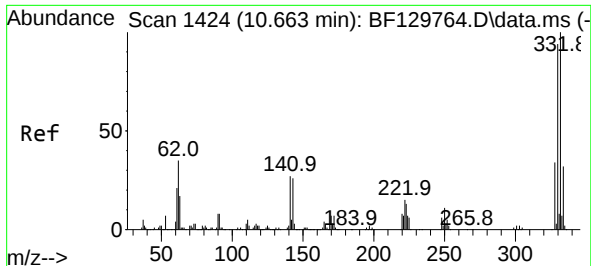
Lab File: BF130007.D

Acq: 25 Aug 2022 19:27

Tgt Ion:164 Resp: 158406

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.0	123.0
160	45.2	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 19.295 ng
RT: 10.586 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Instrument :

BNA_F

ClientSampleId :

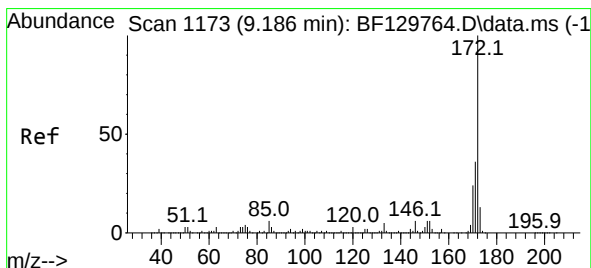
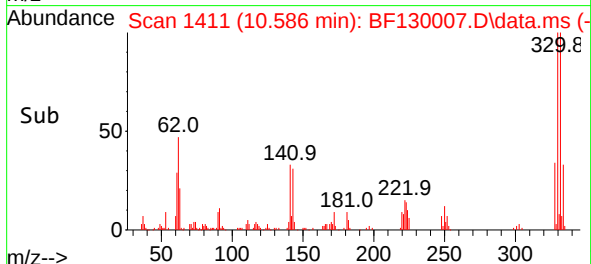
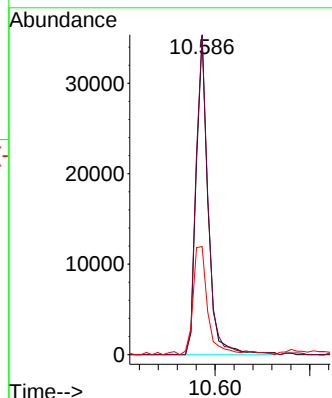
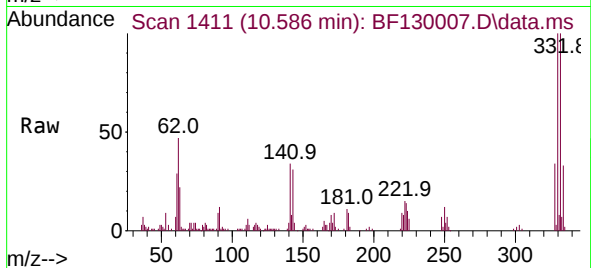
SU-03-082322

Tgt Ion:330 Resp: 30676
Ion Ratio Lower Upper
330 100
332 101.9 82.6 124.0
141 41.9 27.6 41.4

Manual Integrations

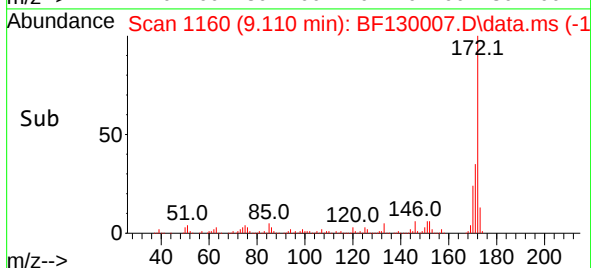
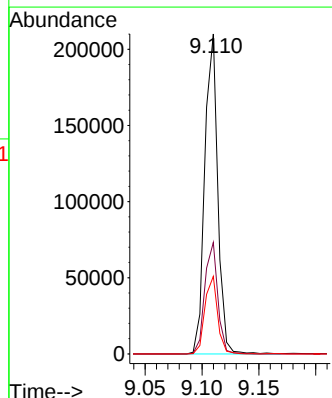
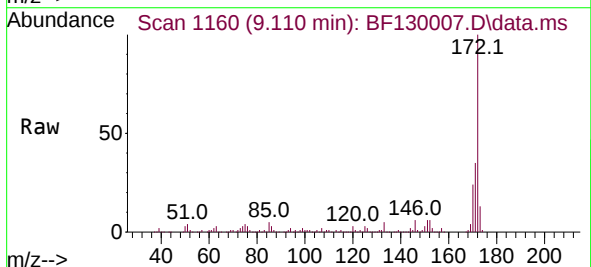
APPROVED

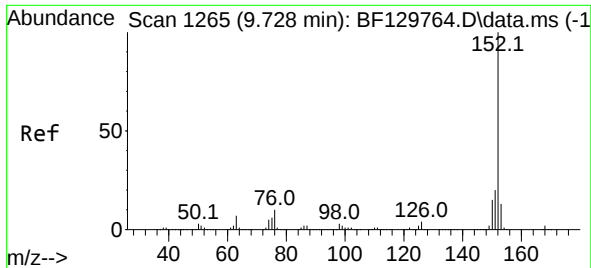
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#45
2-Fluorobiphenyl
Concen: 16.054 ng
RT: 9.110 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Tgt Ion:172 Resp: 167435
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 24.2 19.1 28.7





#49
Acenaphthylene
Concen: 2.464 ng
RT: 9.651 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Instrument :

BNA_F

ClientSampleId :

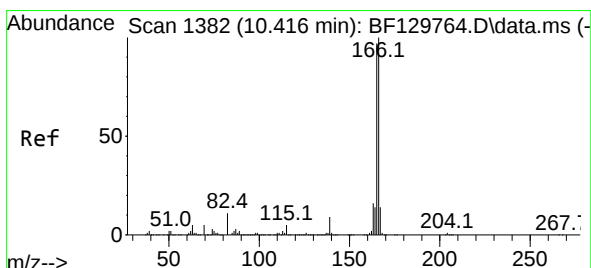
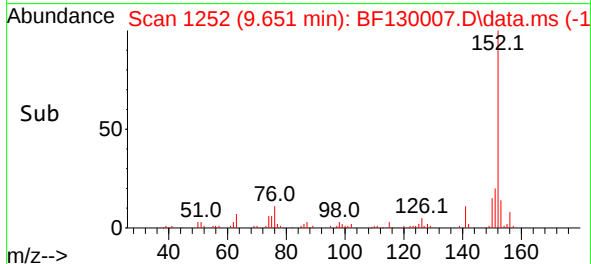
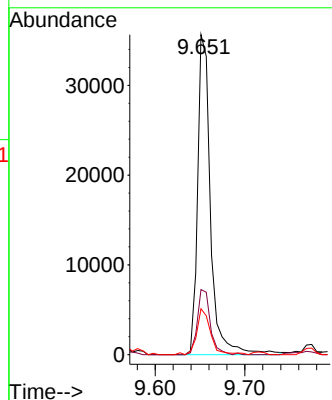
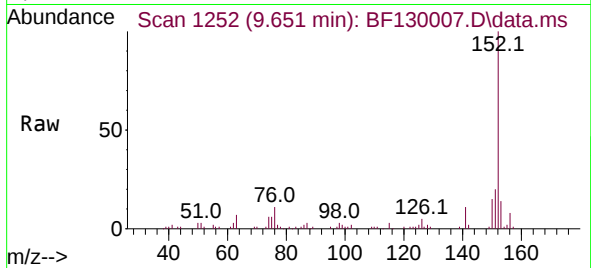
SU-03-082322

Tgt Ion:152 Resp: 35578
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 14.3 10.6 16.0

Manual Integrations

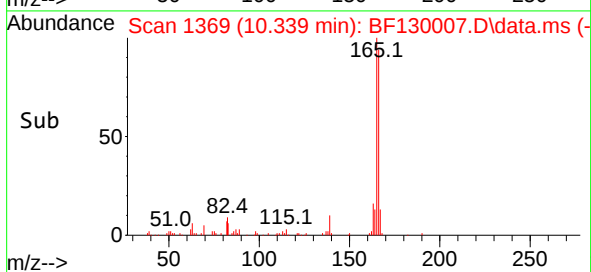
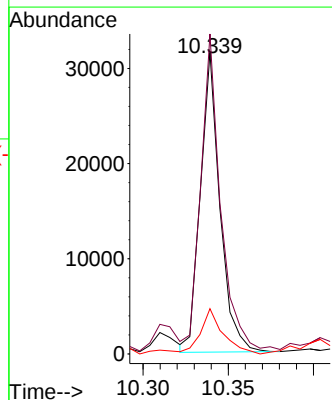
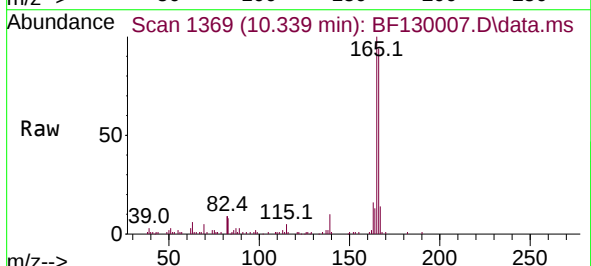
APPROVED

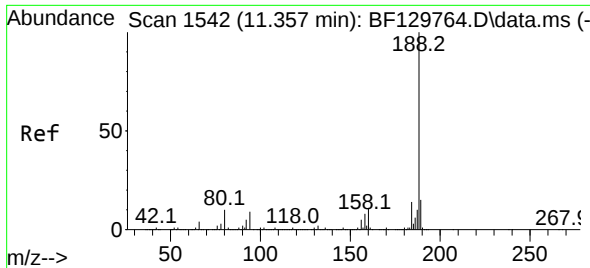
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#58
Fluorene
Concen: 2.281 ng
RT: 10.339 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

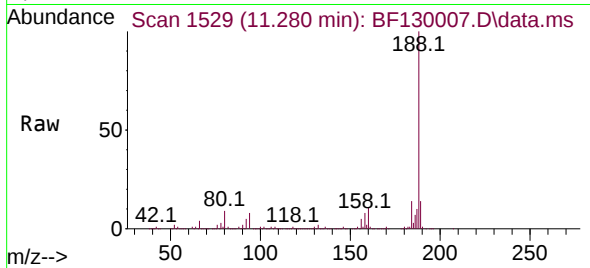
Tgt Ion:166 Resp: 25062
Ion Ratio Lower Upper
166 100
165 106.1 77.9 116.9
167 15.0 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

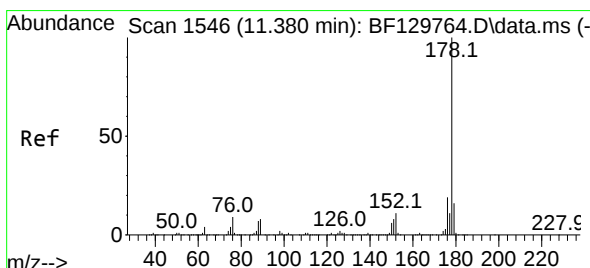
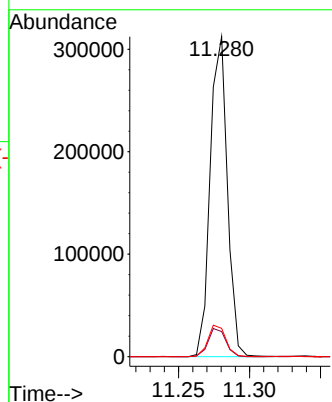
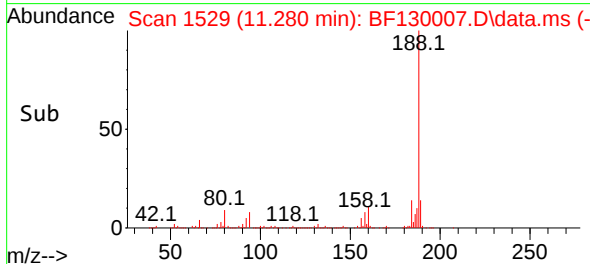
Instrument :
BNA_F
ClientSampleId :
SU-03-082322



Tgt Ion:188 Resp: 262659
Ion Ratio Lower Upper
188 100
94 7.8 7.4 11.2
80 8.8 7.9 11.9

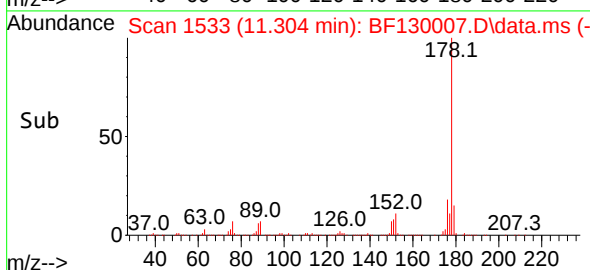
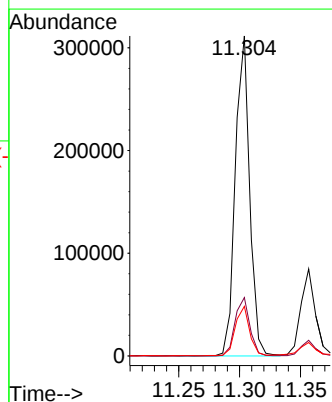
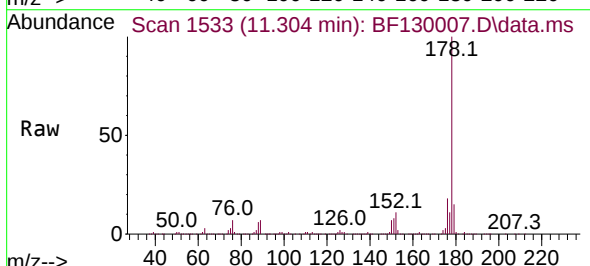
Manual Integrations
APPROVED

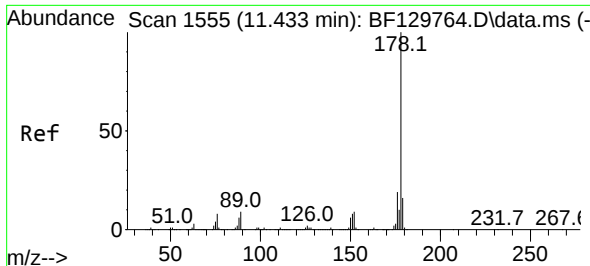
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#71
Phenanthrene
Concen: 17.406 ng
RT: 11.304 min Scan# 1533
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

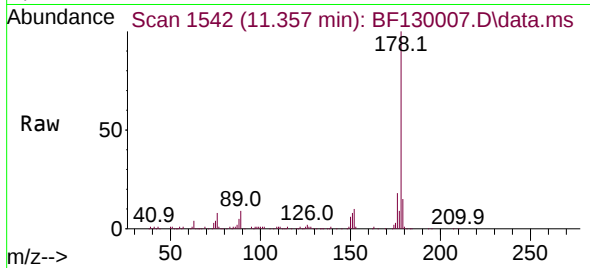
Tgt Ion:178 Resp: 255337
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.5 12.5 18.7





#72
 Anthracene
 Concen: 4.870 ng
 RT: 11.357 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF130007.D
 Acq: 25 Aug 2022 19:27

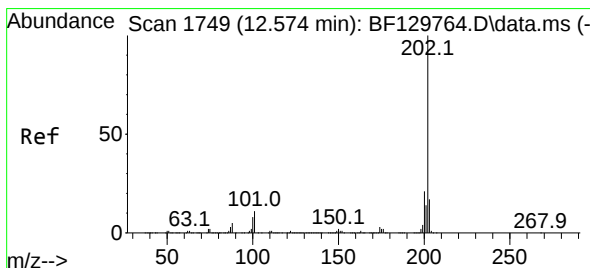
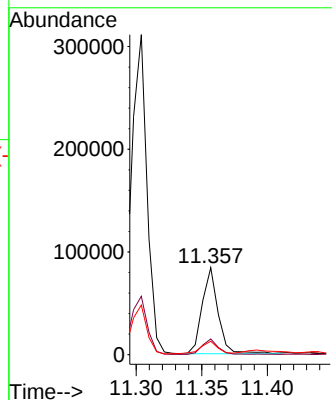
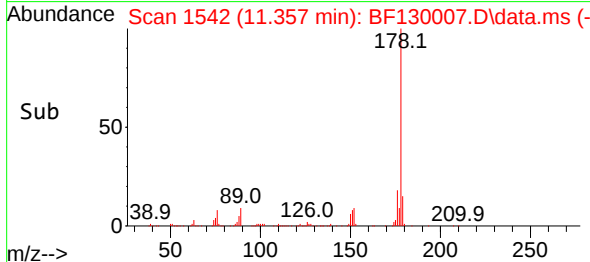
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-082322



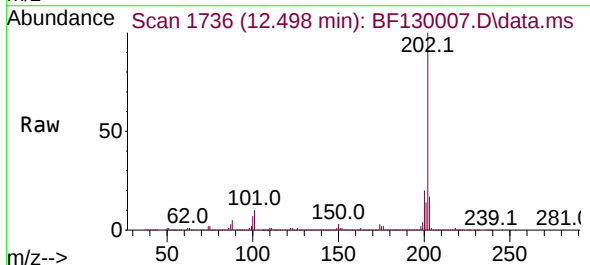
Tgt Ion:178 Resp: 71050
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.1 22.7
 179 15.3 12.6 18.8

Manual Integrations
 APPROVED

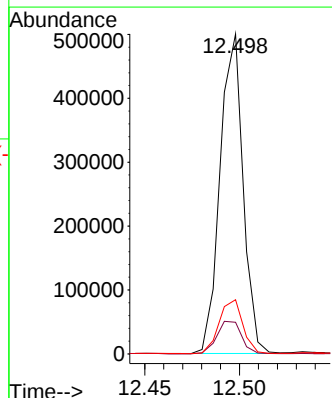
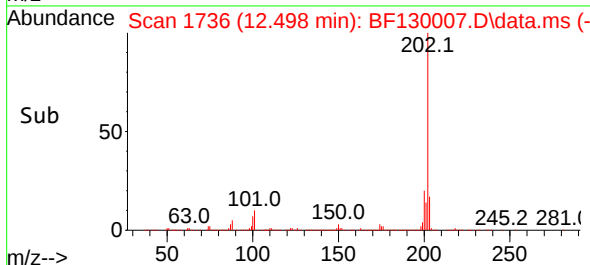
Reviewed By :Christian Giraldo 08/26/2022
 Supervised By :Jagrut Upadhyay 08/26/2022

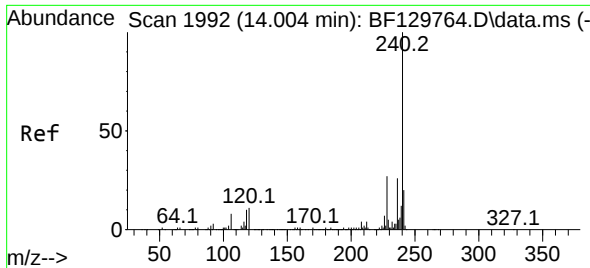


#75
 Fluoranthene
 Concen: 28.160 ng
 RT: 12.498 min Scan# 1736
 Delta R.T. -0.000 min
 Lab File: BF130007.D
 Acq: 25 Aug 2022 19:27



Tgt Ion:202 Resp: 422711
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.7
 203 16.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Instrument :

BNA_F

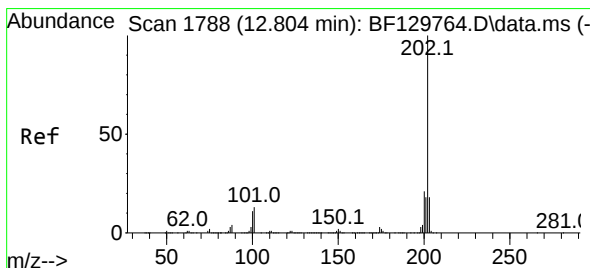
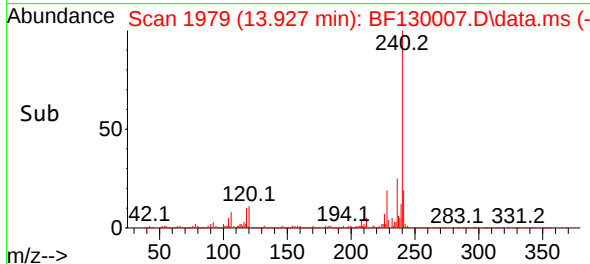
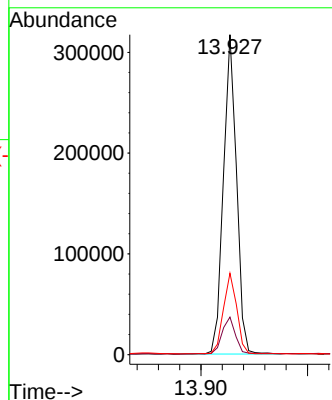
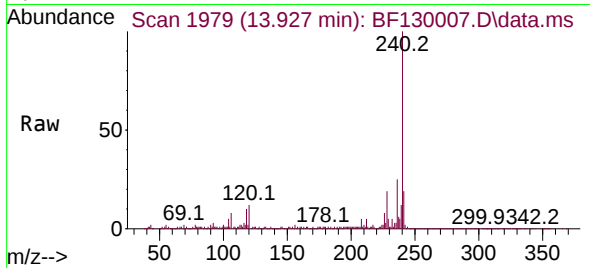
ClientSampleId :

SU-03-082322

Tgt Ion:240 Resp: 272052
Ion Ratio Lower Upper
240 100
120 11.7 9.2 13.8
236 25.5 20.7 31.1

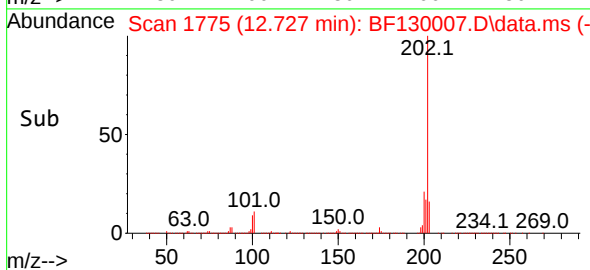
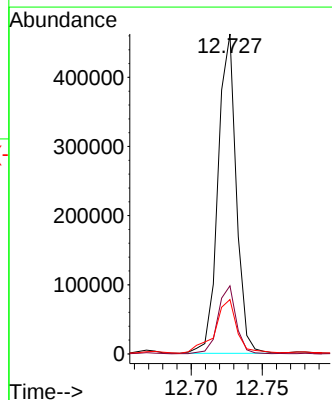
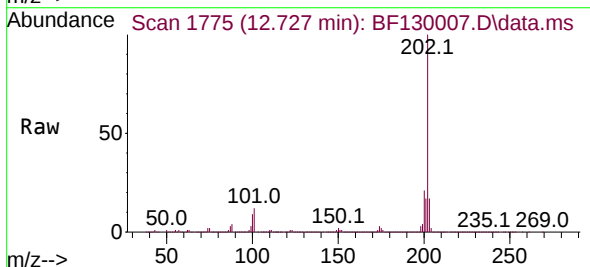
Manual Integrations
APPROVED

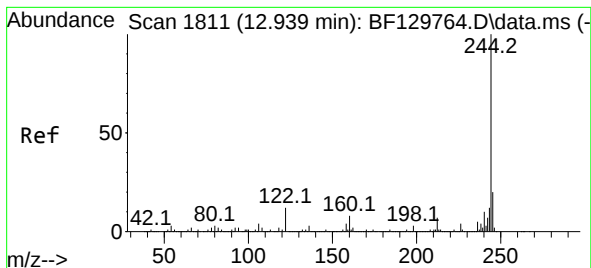
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#78
Pyrene
Concen: 17.510 ng
RT: 12.727 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Tgt Ion:202 Resp: 413954
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 17.0 14.1 21.1





#79

Terphenyl-d14

Concen: 11.648 ng

RT: 12.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130007.D

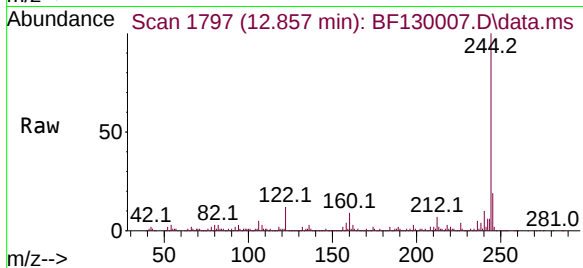
Acq: 25 Aug 2022 19:27

Instrument :

BNA_F

ClientSampleId :

SU-03-082322



Tgt Ion:244 Resp: 190444

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

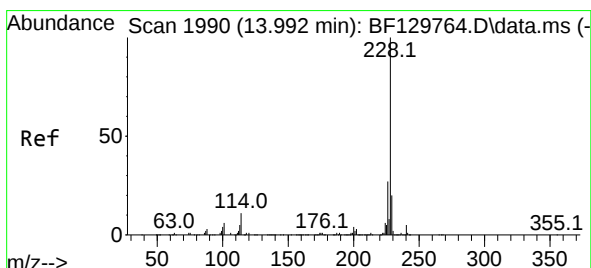
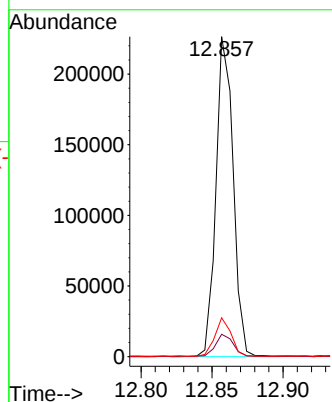
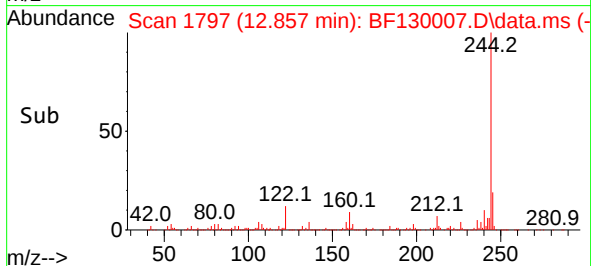
122 12.1 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/26/2022

Supervised By :Jagrut Upadhyay 08/26/2022



#81

Benzo(a)anthracene

Concen: 13.061 ng

RT: 13.915 min Scan# 1977

Delta R.T. -0.000 min

Lab File: BF130007.D

Acq: 25 Aug 2022 19:27

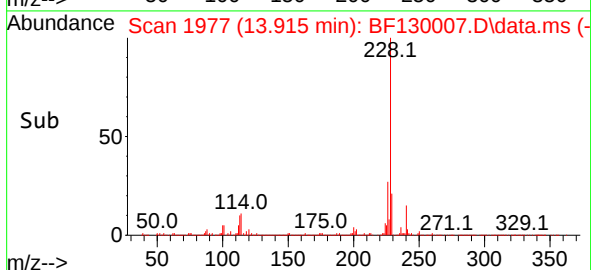
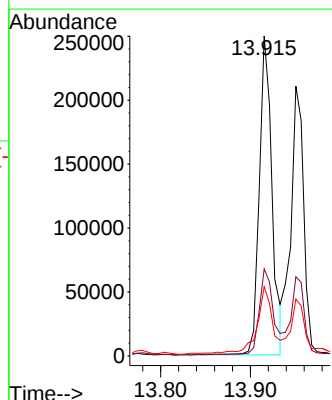
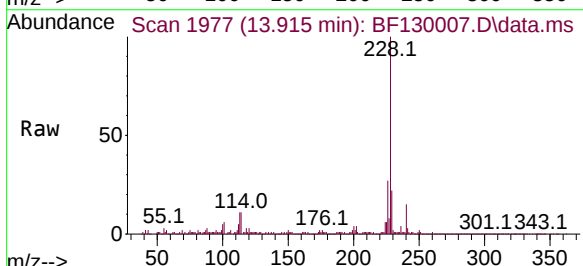
Tgt Ion:228 Resp: 244440

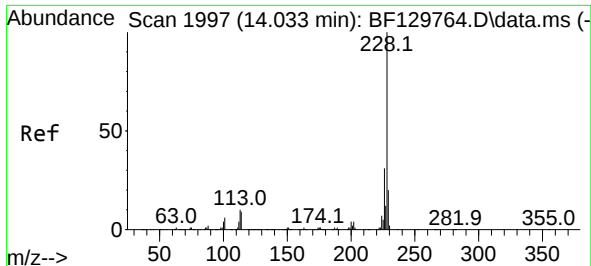
Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.0

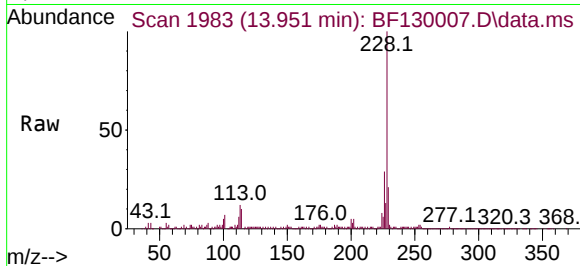
229 21.6 16.1 24.1





#83
Chrysene
Concen: 11.935 ng
RT: 13.951 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

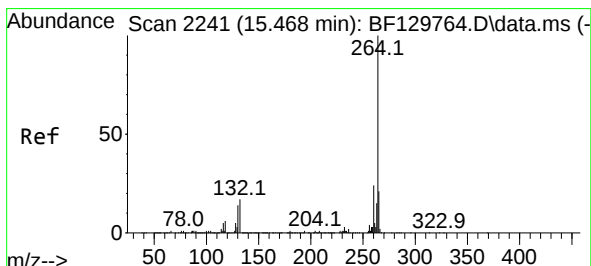
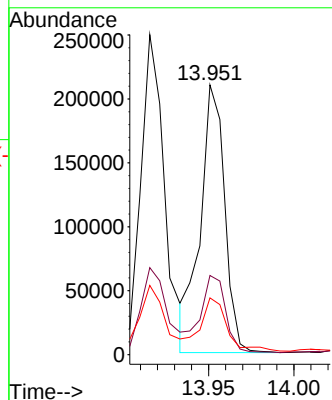
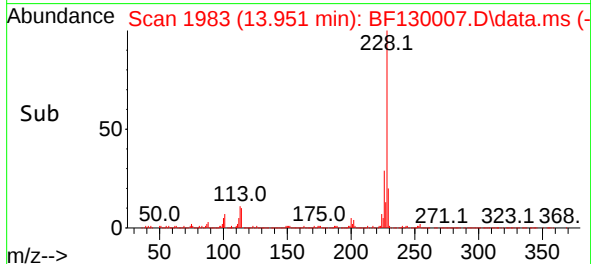
Instrument :
BNA_F
ClientSampleId :
SU-03-082322



Tgt Ion:228 Resp: 209093
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 21.1 15.9 23.9

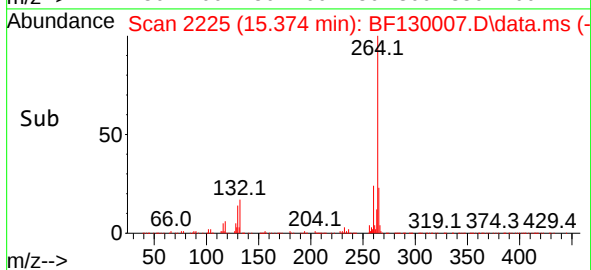
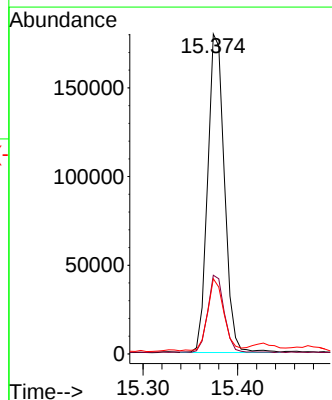
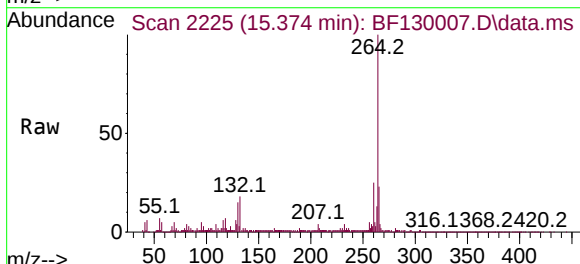
Manual Integrations
APPROVED

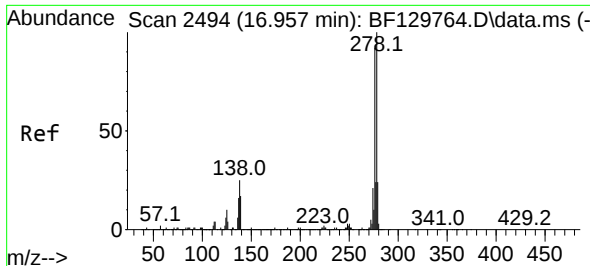
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2225
Delta R.T. 0.006 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Tgt Ion:264 Resp: 221398
Ion Ratio Lower Upper
264 100
260 24.6 19.1 28.7
265 23.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.436 ng
RT: 16.827 min Scan# 2494
Delta R.T. 0.012 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Instrument :

BNA_F

ClientSampleId :

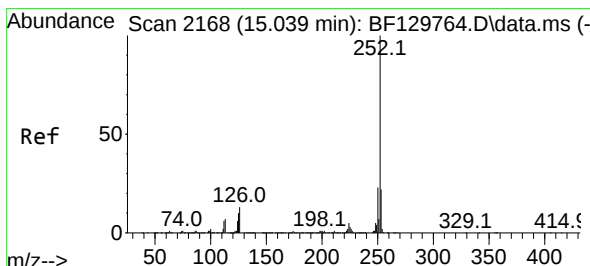
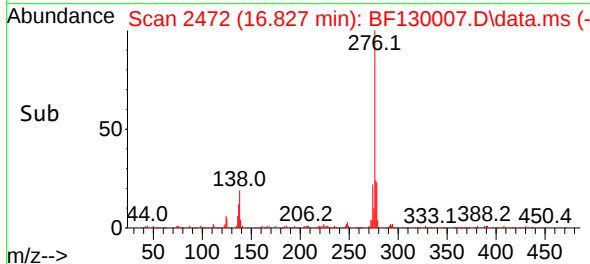
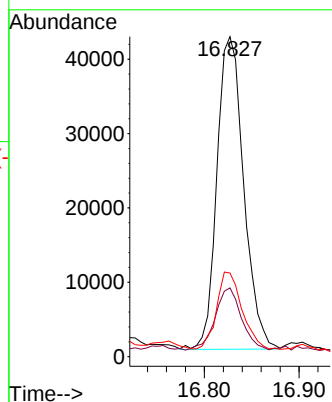
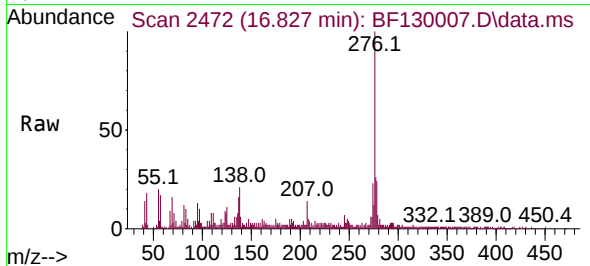
SU-03-082322

Tgt Ion:276 Resp: 82622
Ion Ratio Lower Upper
276 100
138 19.6 19.8 29.8
277 23.7 20.4 30.6

Manual Integrations

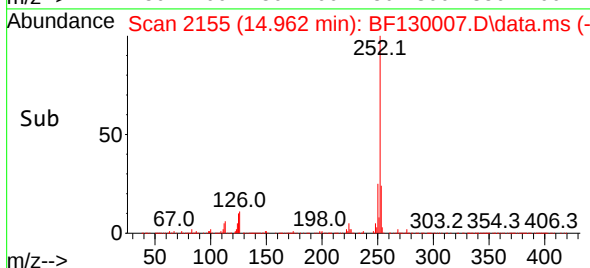
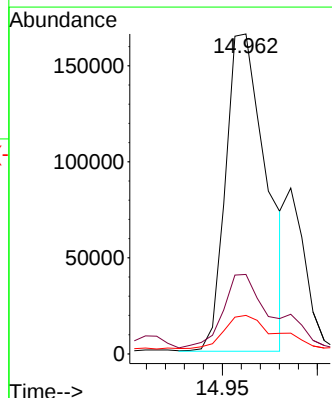
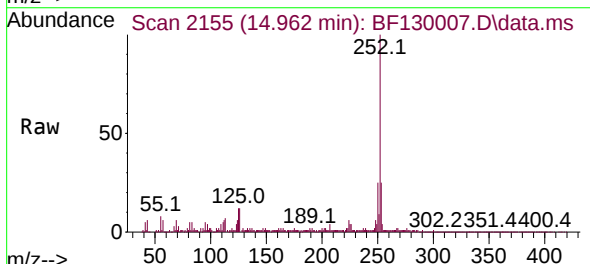
APPROVED

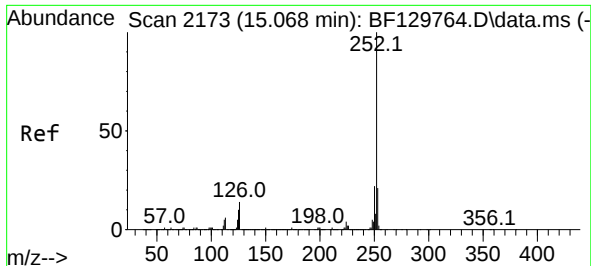
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#88
Benzo(b)fluoranthene
Concen: 16.278 ng m
RT: 14.962 min Scan# 2155
Delta R.T. 0.012 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Tgt Ion:252 Resp: 246780
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 12.0 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 4.240 ng m

RT: 14.986 min Scan# 2173

Delta R.T. 0.006 min

Lab File: BF130007.D

Acq: 25 Aug 2022 19:27

Instrument :

BNA_F

ClientSampleId :

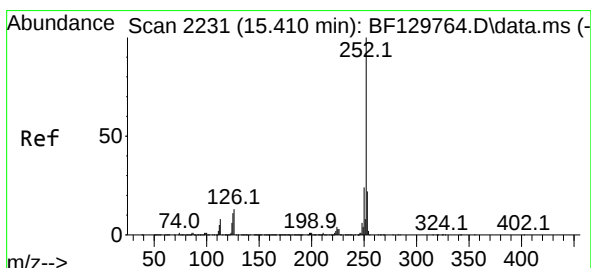
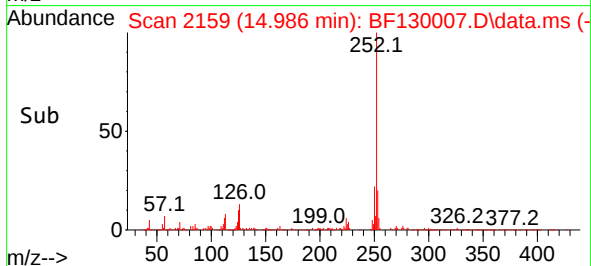
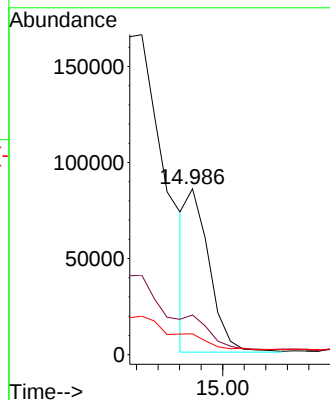
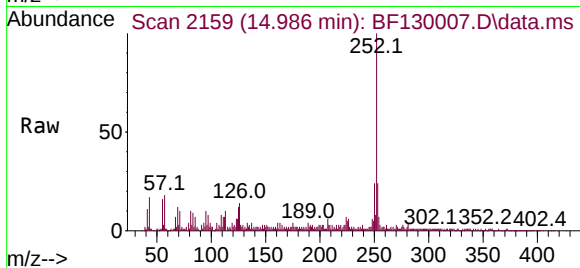
SU-03-082322

Tgt Ion:252 Resp: 61644
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.1 25.7
 125 12.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/26/2022
 Supervised By :Jagrut Upadhyay 08/26/2022



#90

Benzo(a)pyrene

Concen: 13.790 ng

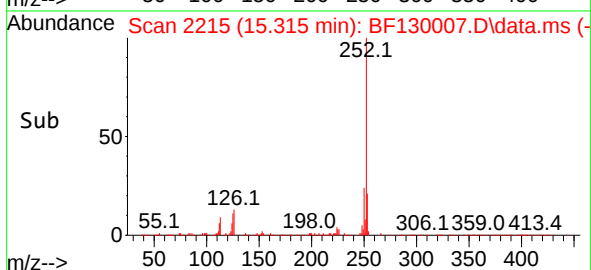
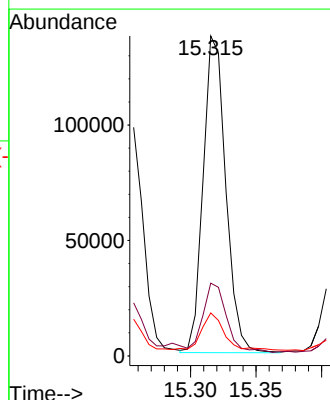
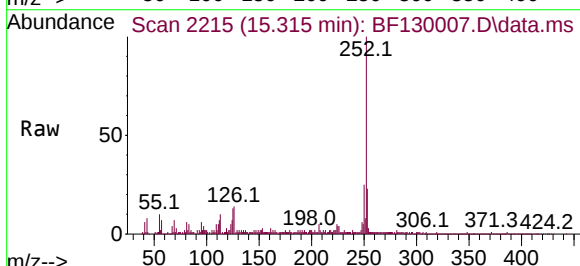
RT: 15.315 min Scan# 2215

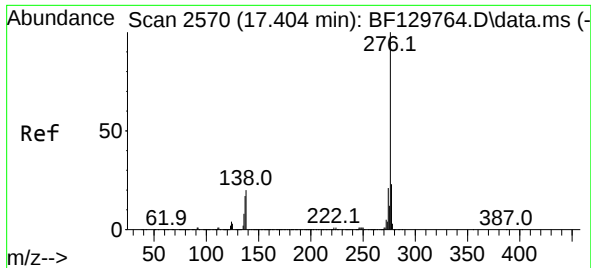
Delta R.T. 0.006 min

Lab File: BF130007.D

Acq: 25 Aug 2022 19:27

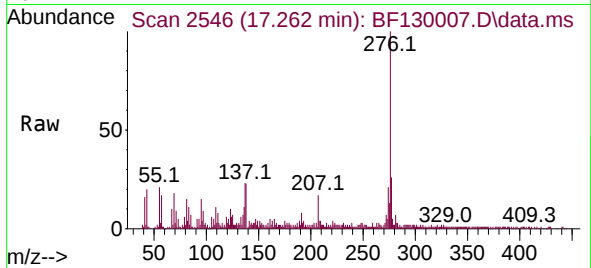
Tgt Ion:252 Resp: 164632
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.2 25.8
 125 13.4 8.8 13.2#





#92
Benzo(g,h,i)perylene
Concen: 6.110 ng
RT: 17.262 min Scan# 2546
Delta R.T. 0.018 min
Lab File: BF130007.D
Acq: 25 Aug 2022 19:27

Instrument :
BNA_F
ClientSampleId :
SU-03-082322



Tgt Ion: 276 Resp: 76442
Ion Ratio Lower Upper
276 100
277 25.7 18.2 27.4
138 22.8 15.8 23.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/26/2022
Supervised By : Jagrut Upadhyay 08/26/2022

