

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129680.D
 Acq On : 09 Aug 2022 22:51
 Operator : CG\JU
 Sample : N3962-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-189

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 05:36:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	178407	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	680419	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	319069	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	452875	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	312874	20.000	ng	-0.01
86) Perylene-d12	15.492	264	282942	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	847350	77.370	ng	0.00
7) Phenol-d6	6.492	99	1050009	76.276	ng	-0.01
23) Nitrobenzene-d5	7.404	82	643102	51.595	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	207547	67.658	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1102286	53.442	ng	-0.01
79) Terphenyl-d14	12.951	244	837760	50.516	ng	-0.02
Target Compounds						
71) Phenanthrene	11.392	178	72490	2.932	ng	97
75) Fluoranthene	12.586	202	204719	8.173	ng	98
78) Pyrene	12.816	202	198443	7.585	ng	98
81) Benzo(a)anthracene	14.004	228	124087	5.806	ng	98
83) Chrysene	14.039	228	137324	6.818	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	78126	4.100	ng	94
88) Benzo(b)fluoranthene	15.057	252	200661m	10.691	ng	
89) Benzo(k)fluoranthene	15.086	252	69734m	3.791	ng	
90) Benzo(a)pyrene	15.427	252	131596	8.637	ng	# 96
92) Benzo(g,h,i)perylene	17.421	276	76135	4.805	ng	94

08/10/2022
 Supervised By : Jagrut
 Upadhyay

08/10/2022

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

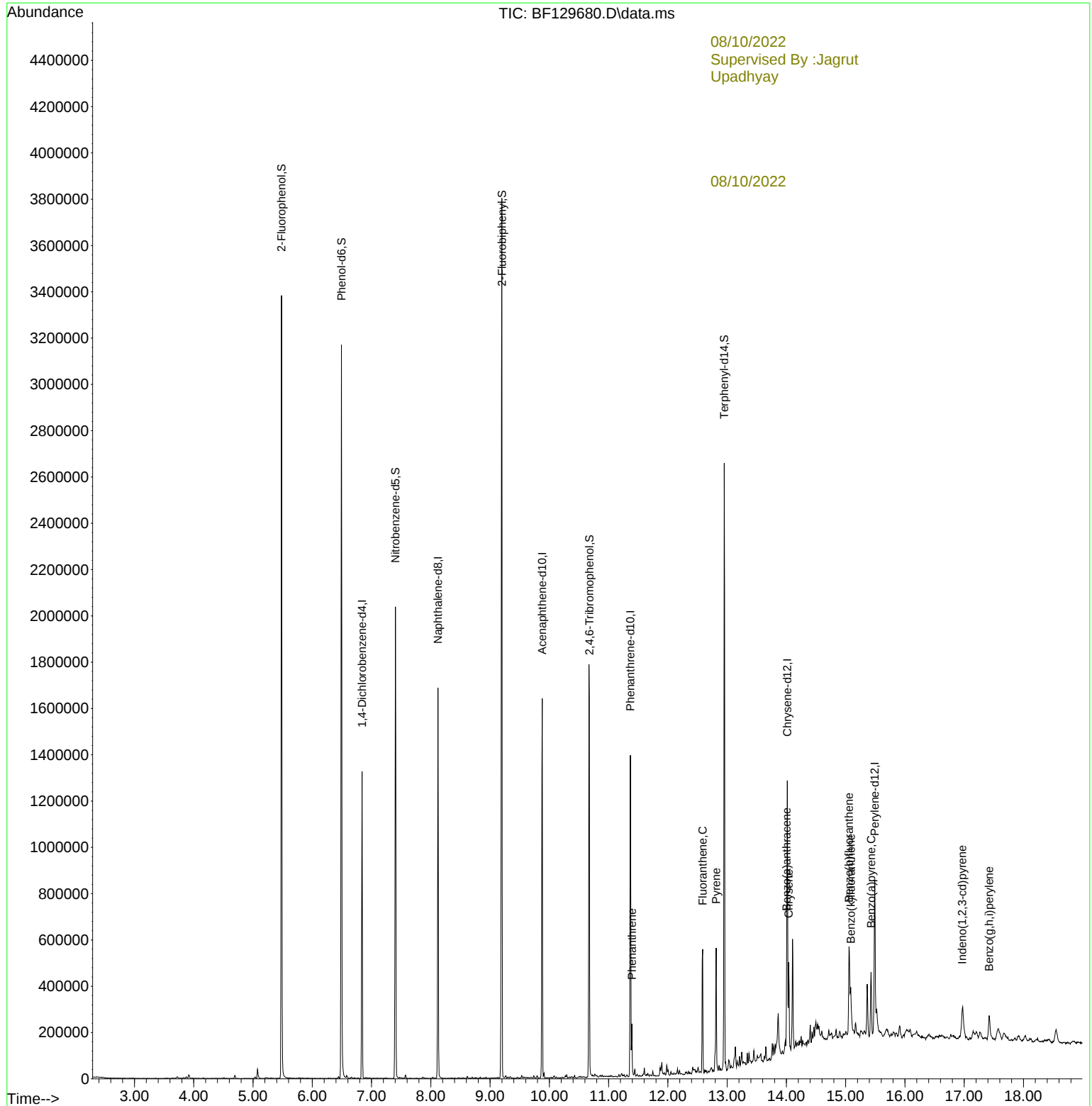
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
Data File : BF129680.D
Acq On : 09 Aug 2022 22:51
Operator : CG\JU
Sample : N3962-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

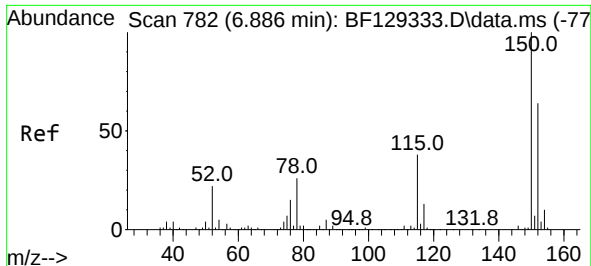
Instrument :
BNA_F
ClientSampleId :
RVE-189

Quant Time: Aug 10 05:36:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 16:27:34 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

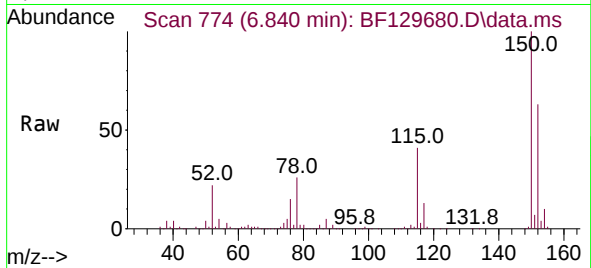
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

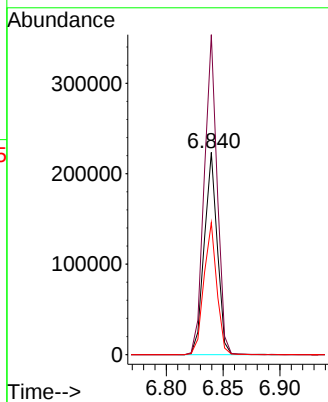
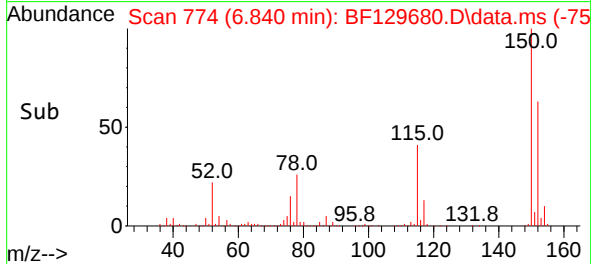
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion:152 Resp: 17840
Ion Ratio Lower Upper
152 100
150 158.3 123.7 185.5
115 65.2 49.9 74.9

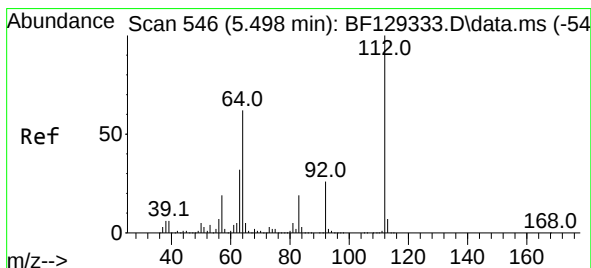
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



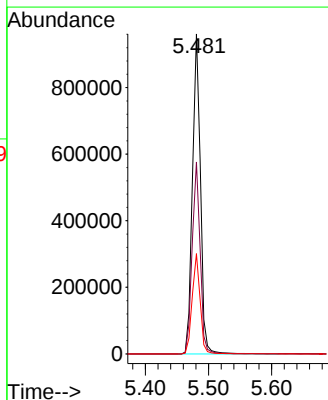
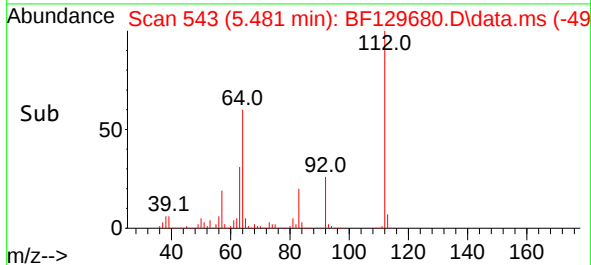
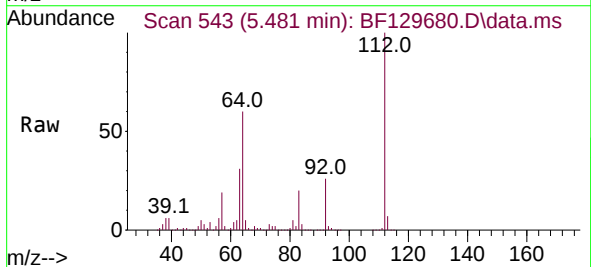
08/10/2022
Supervised By :Jagrut
Upadhyay

08/10/2022



#5
2-Fluorophenol
Concen: 77.370 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

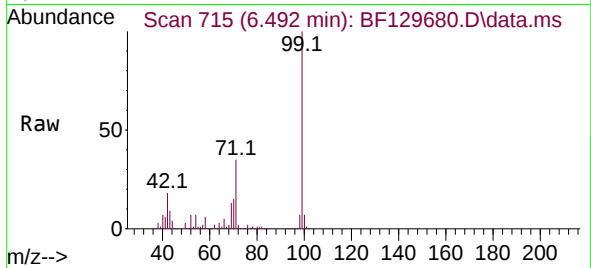
Tgt Ion:112 Resp: 847350
Ion Ratio Lower Upper
112 100
64 60.0 53.3 79.9
63 31.3 28.0 42.0





#7
Phenol-d6
Concen: 76.276 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

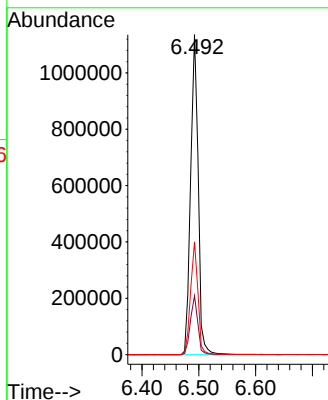
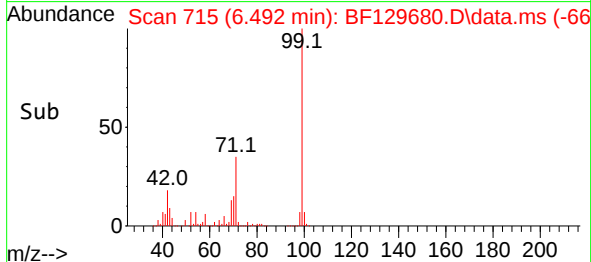
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion: 99 Resp: 1050009
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.2 28.9 43.3

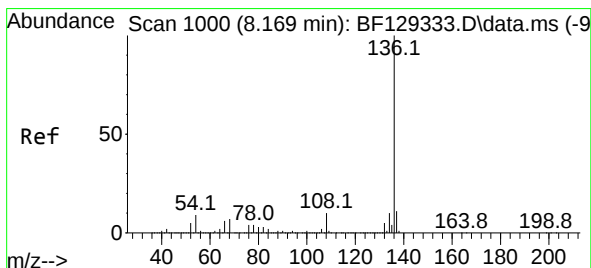
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



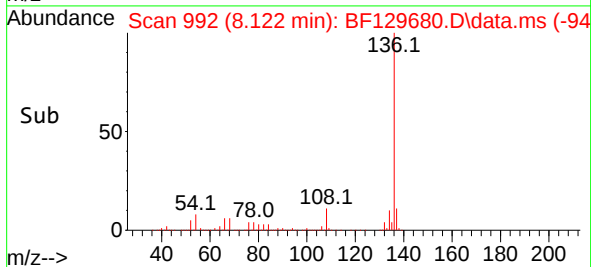
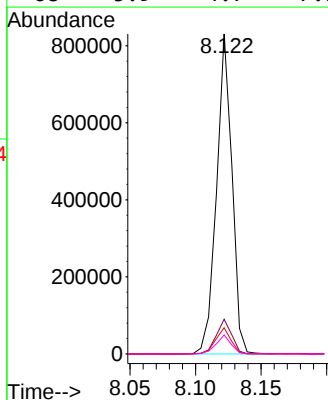
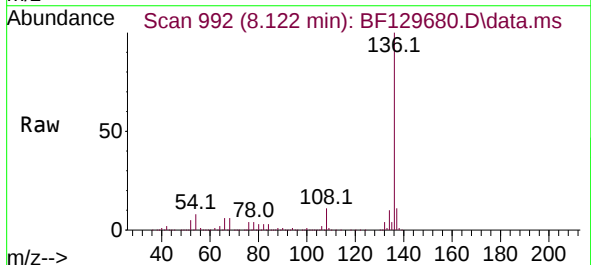
08/10/2022
Supervised By :Jagrut
Upadhyay

08/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

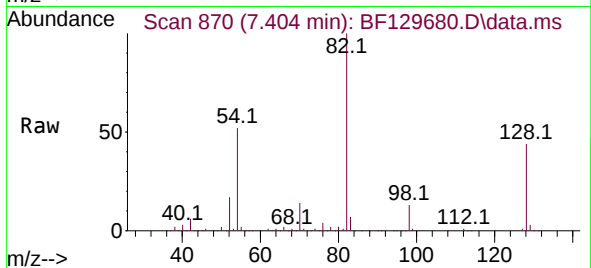
Tgt Ion:136 Resp: 680419
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 51.595 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

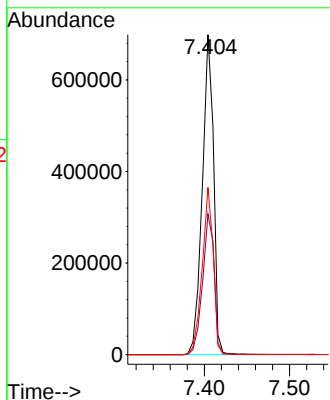
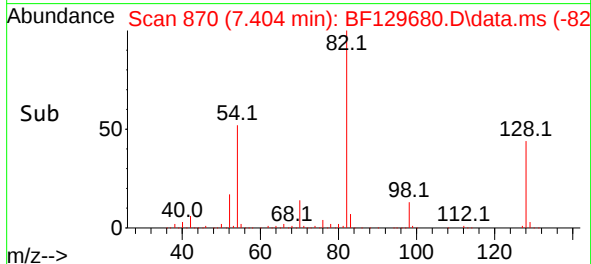
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion: 82 Resp: 643102
Ion Ratio Lower Upper
82 100
128 43.9 34.0 51.0
54 52.2 46.9 70.3

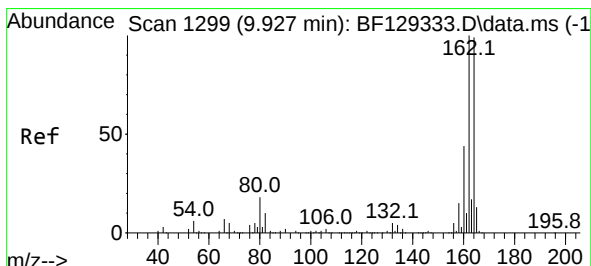
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



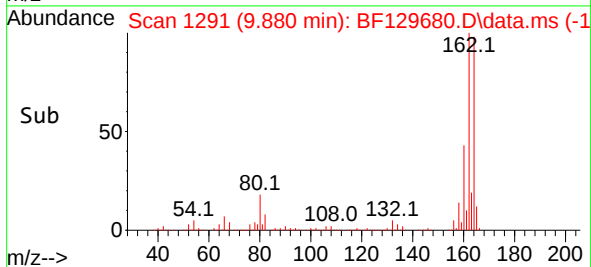
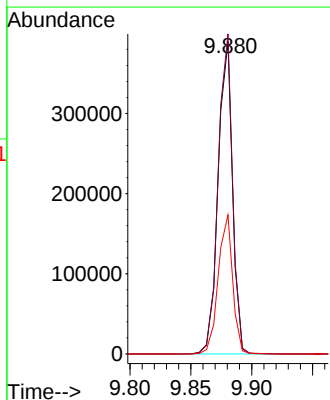
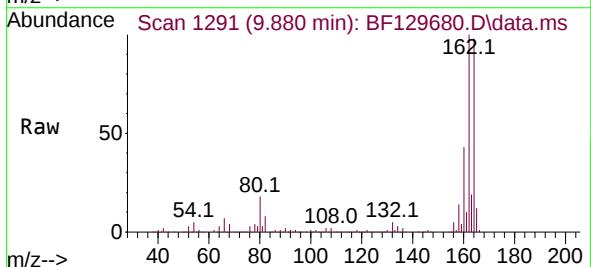
08/10/2022
Supervised By :Jagrut
Upadhyay

08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

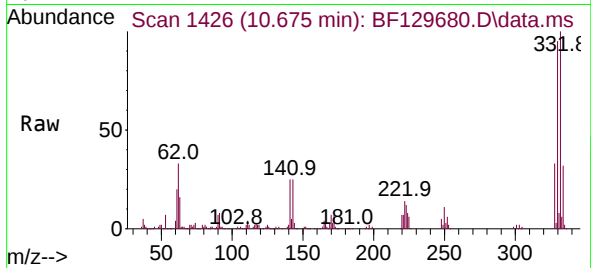
Tgt Ion:164 Resp: 319069
Ion Ratio Lower Upper
164 100
162 102.5 79.5 119.3
160 44.5 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 67.658 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

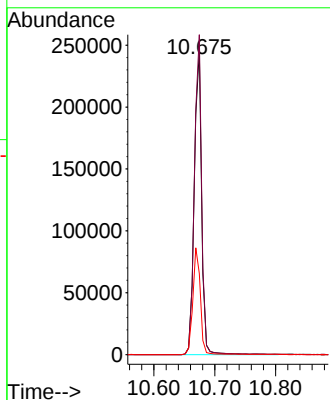
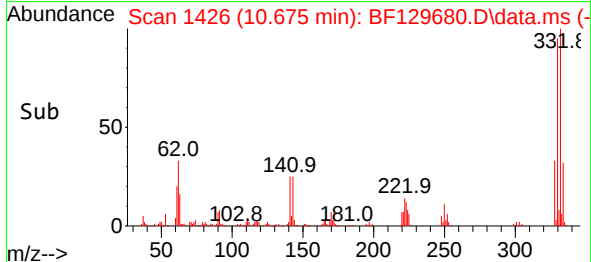
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion: 330 Resp: 207547
Ion Ratio Lower Upper
330 100
332 103.4 76.8 115.2
141 35.4 28.0 42.0

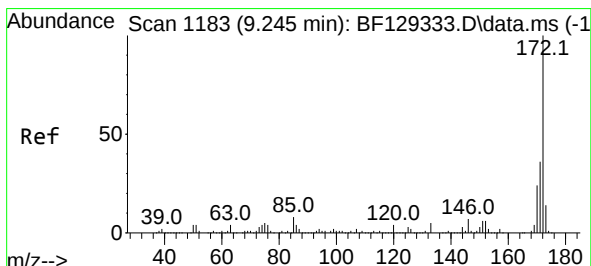
Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022

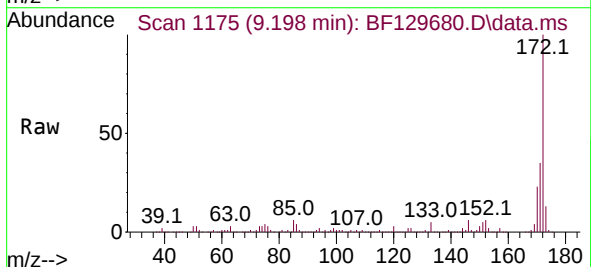


08/10/2022
Supervised By : Jagrut
Upadhyay

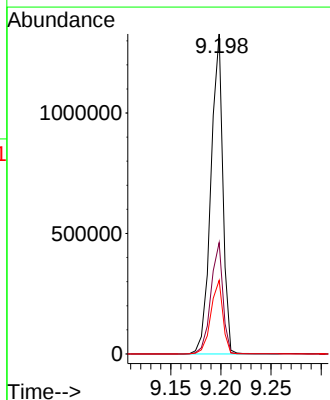
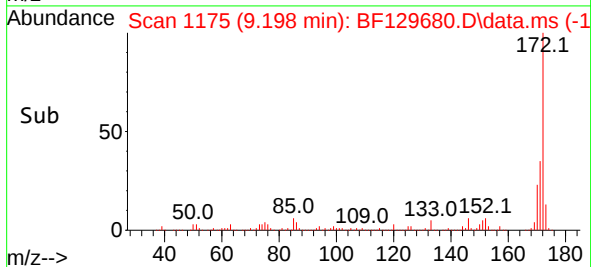
08/10/2022



#45
2-Fluorobiphenyl
Concen: 53.442 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51



Tgt Ion: 172 Resp: 1102286
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.0 19.8 29.8





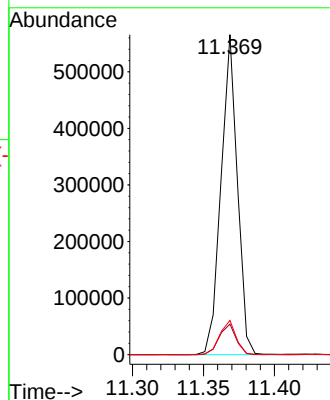
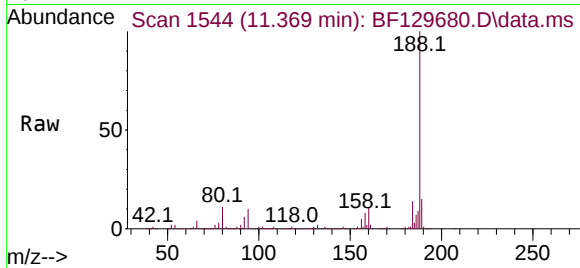
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

Instrument :
BNA_F
ClientSampleId :
RVE-189

Tgt Ion:188 Resp: 452875
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 10.7 7.6 11.4

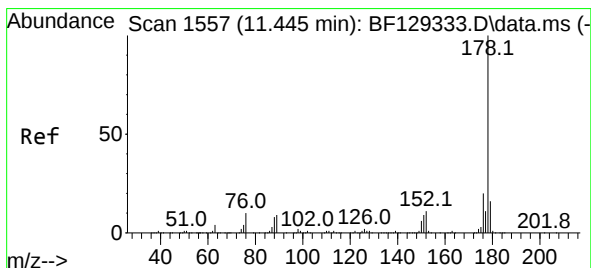
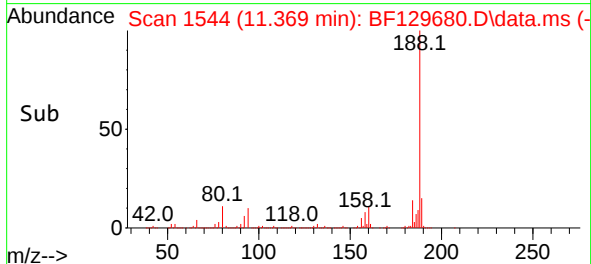
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



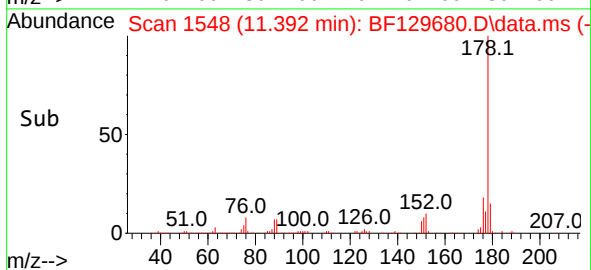
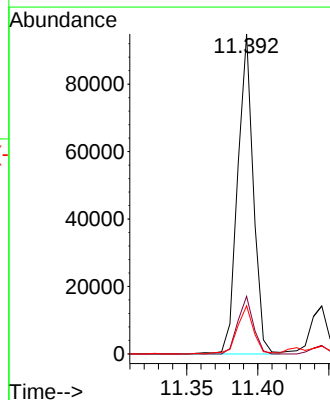
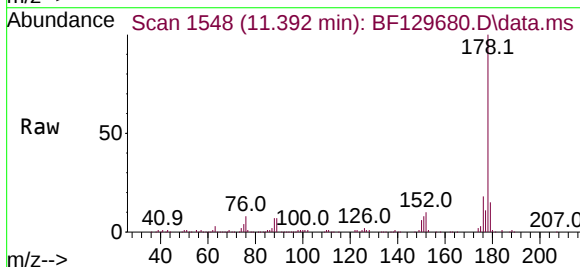
08/10/2022
Supervised By :Jagrut
Upadhyay

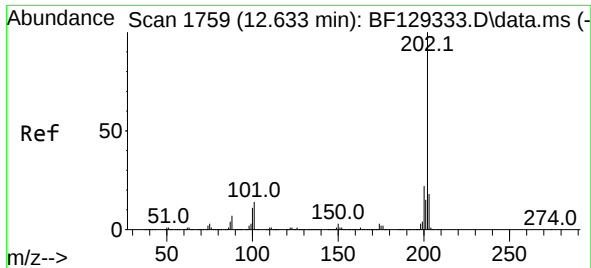
08/10/2022



#71
Phenanthrene
Concen: 2.932 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.018 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

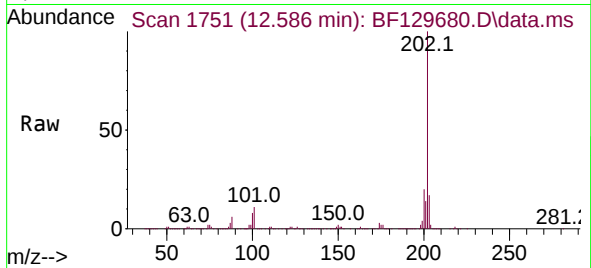
Tgt Ion:178 Resp: 72490
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 8.173 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

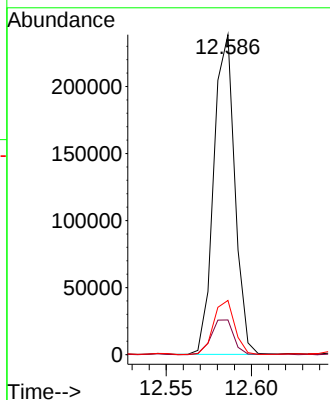
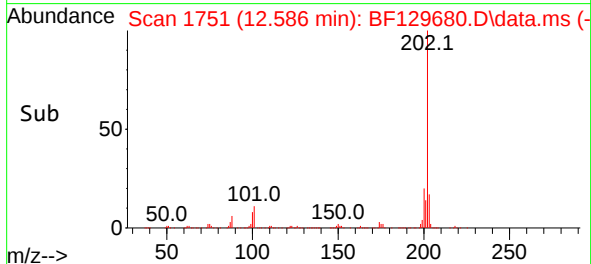
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion:202 Resp: 204719
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 16.9 0.0 38.0

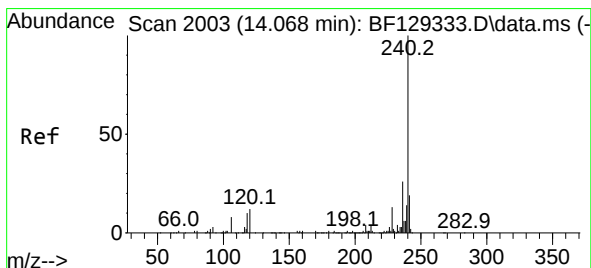
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



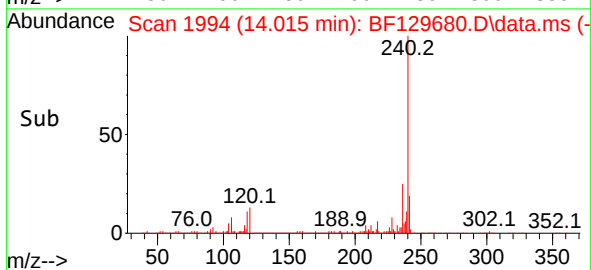
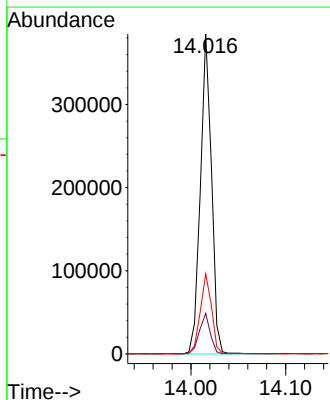
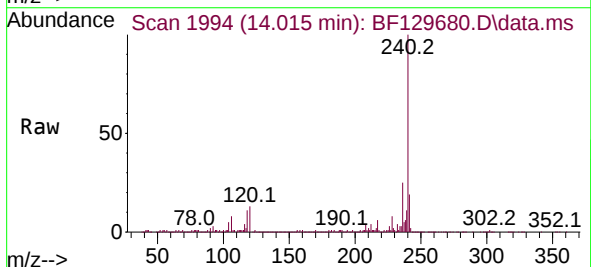
08/10/2022
Supervised By :Jagrut
Upadhyay

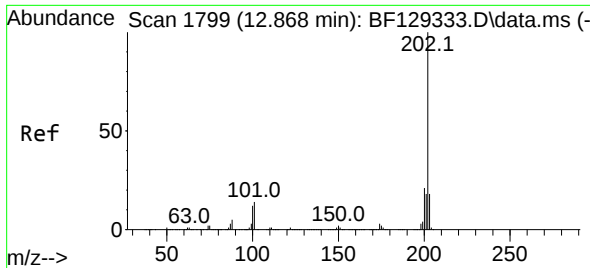
08/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

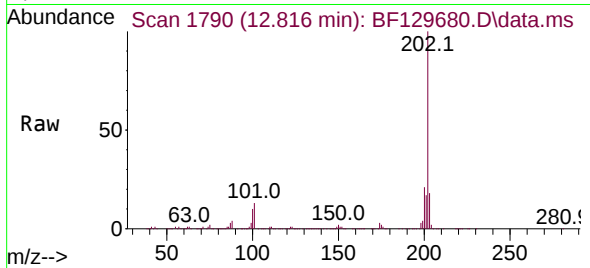
Tgt Ion:240 Resp: 312874
Ion Ratio Lower Upper
240 100
120 12.7 8.9 13.3
236 25.0 20.8 31.2





#78
Pyrene
Concen: 7.585 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

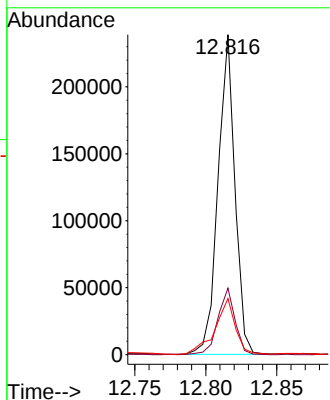
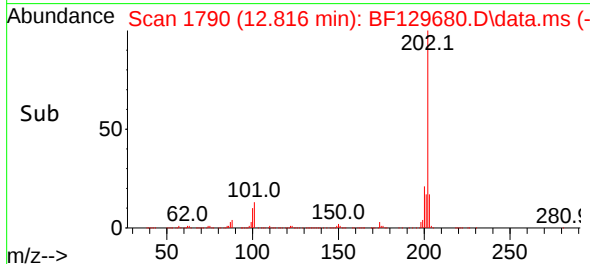
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion:202 Resp: 198443
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.5 14.6 21.8

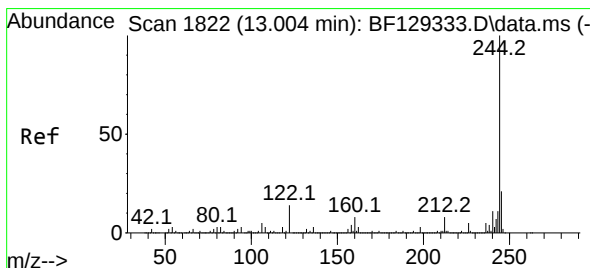
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



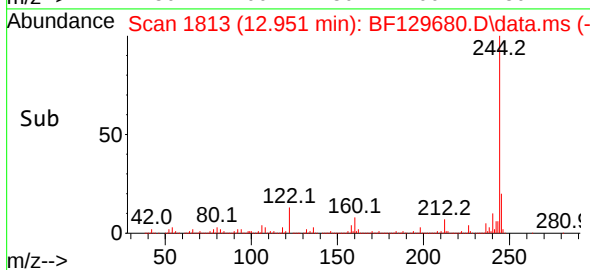
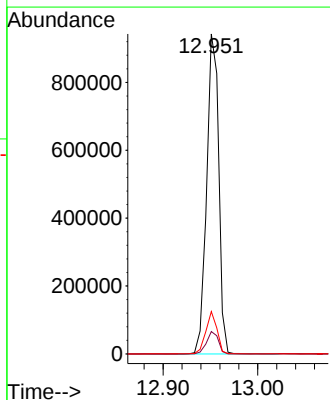
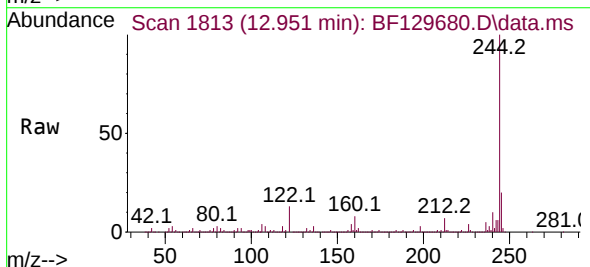
08/10/2022
Supervised By :Jagrut
Upadhyay

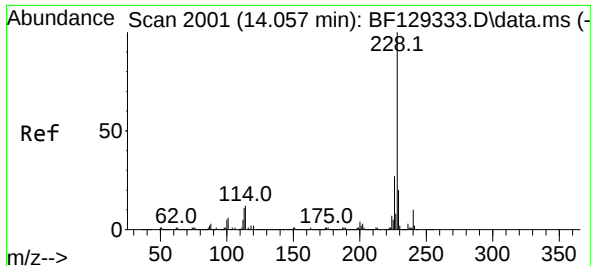
08/10/2022



#79
Terphenyl-d14
Concen: 50.516 ng
RT: 12.951 min Scan# 1813
Delta R.T. -0.018 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

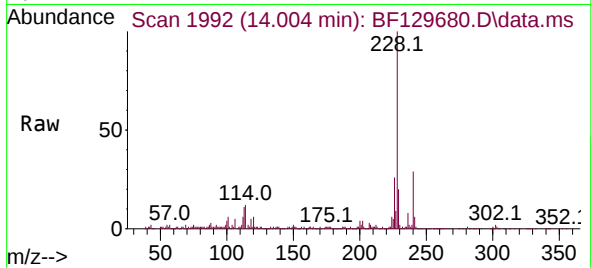
Tgt Ion:244 Resp: 837760
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 13.2 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 5.806 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

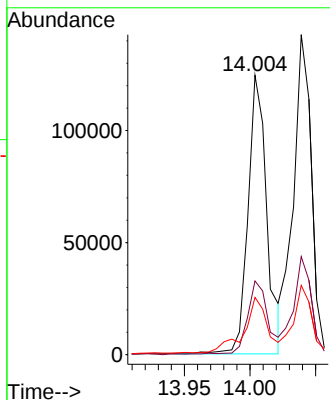
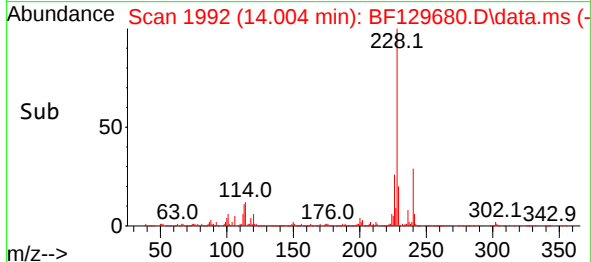
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion:228 Resp: 124087
Ion Ratio Lower Upper
228 100
226 26.4 22.1 33.1
229 20.5 15.8 23.8

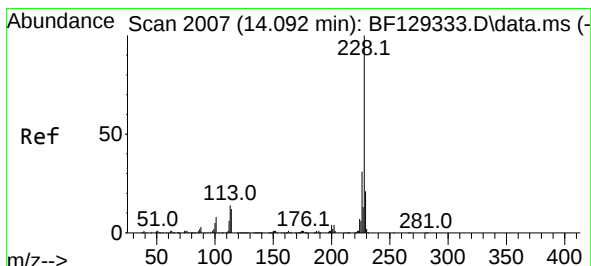
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

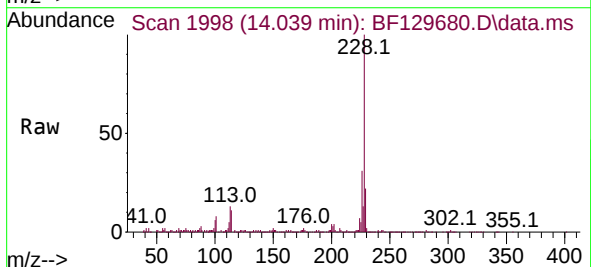


08/10/2022
Supervised By :Jagrut
Upadhyay

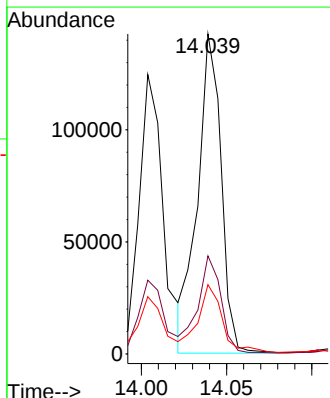
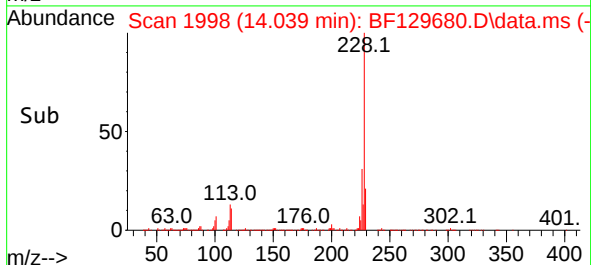
08/10/2022

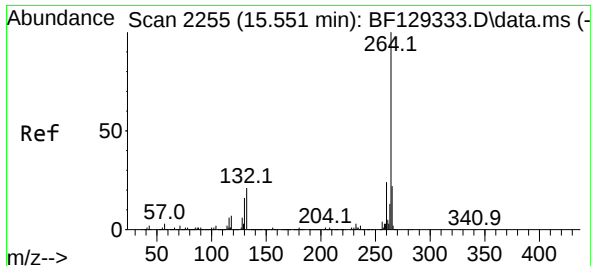


#83
Chrysene
Concen: 6.818 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51



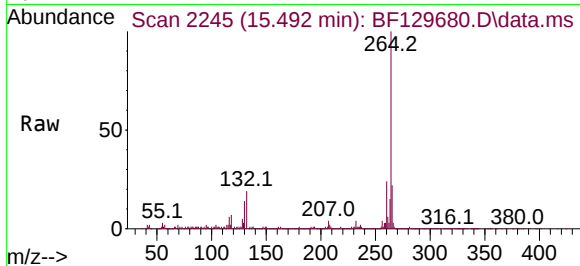
Tgt Ion:228 Resp: 137324
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.6 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

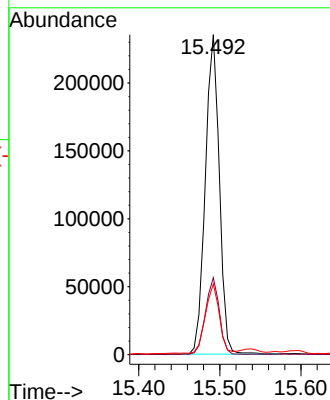
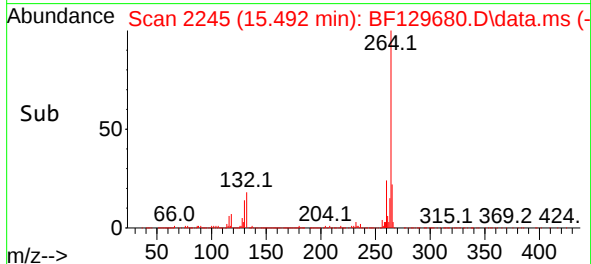
Instrument :
BNA_F
ClientSampleId :
RVE-189



Tgt Ion:264 Resp: 282942
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.1 17.2 25.8

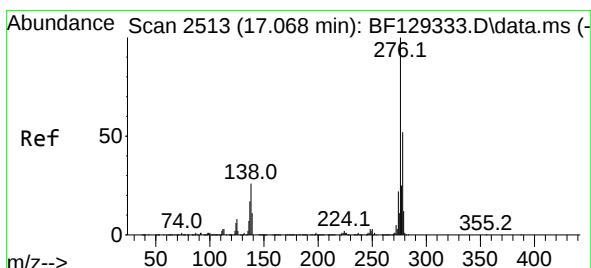
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



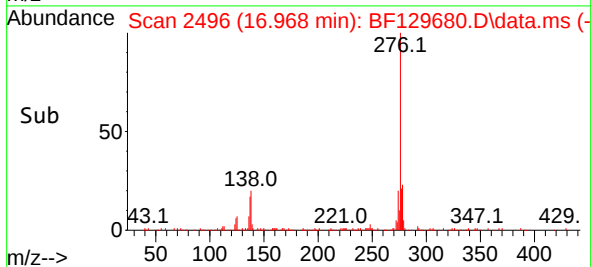
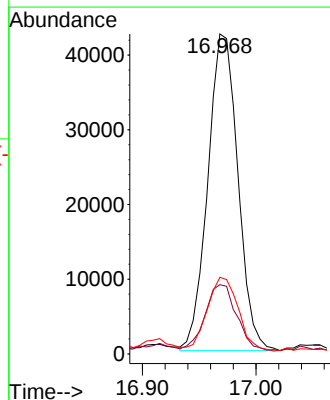
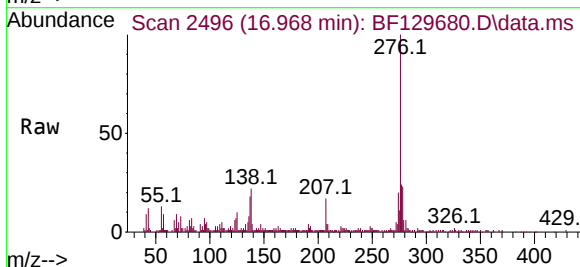
08/10/2022
Supervised By :Jagrut
Upadhyay

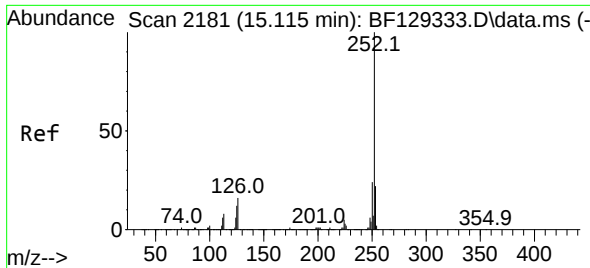
08/10/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.100 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

Tgt Ion:276 Resp: 78126
Ion Ratio Lower Upper
276 100
138 21.7 21.1 31.7
277 24.3 20.3 30.5





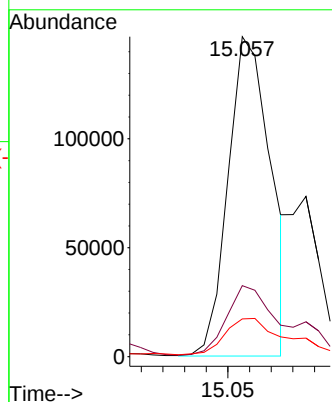
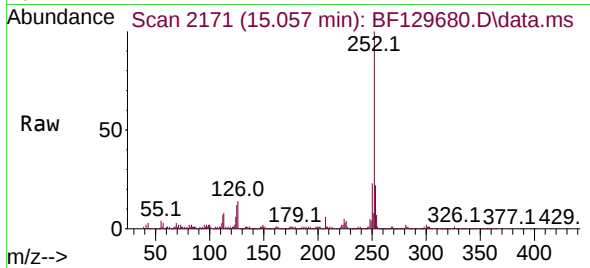
#88
Benzo(b)fluoranthene
Concen: 10.691 ng m
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

Instrument :
BNA_F
ClientSampleId :
RVE-189

Tgt Ion:252 Resp: 20066
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.8 8.0 12.0

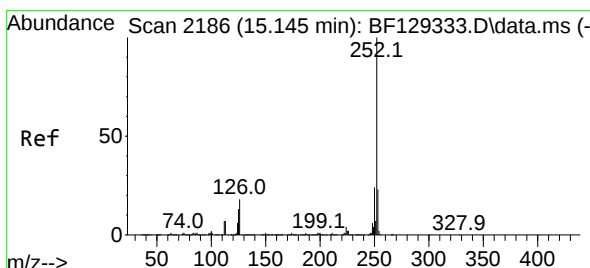
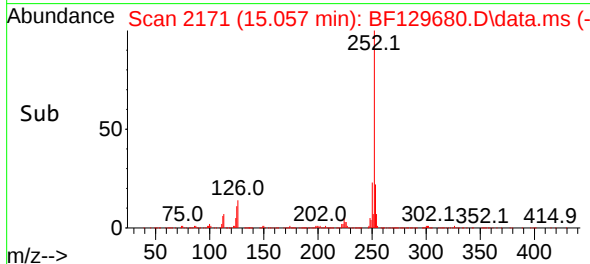
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



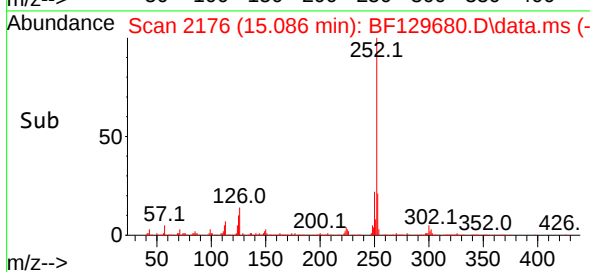
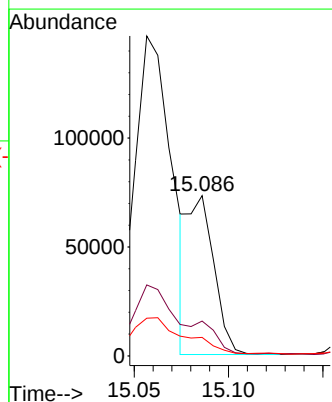
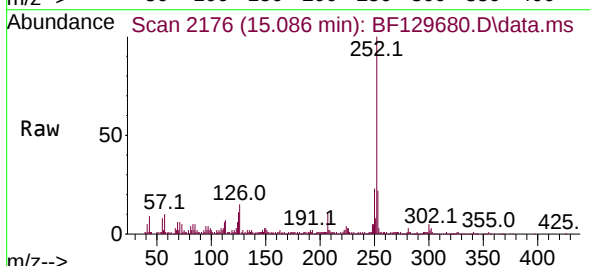
08/10/2022
Supervised By :Jagrut
Upadhyay

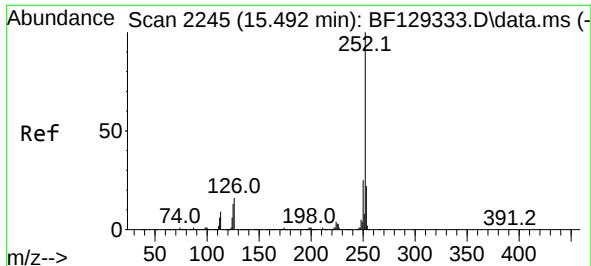
08/10/2022



#89
Benzo(k)fluoranthene
Concen: 3.791 ng m
RT: 15.086 min Scan# 2176
Delta R.T. -0.018 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

Tgt Ion:252 Resp: 69734
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 11.5 8.3 12.5





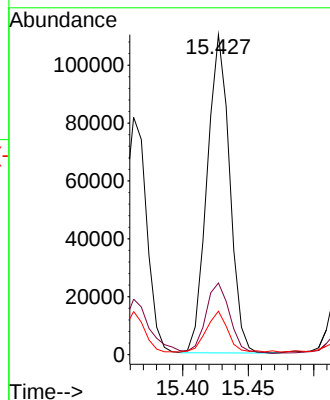
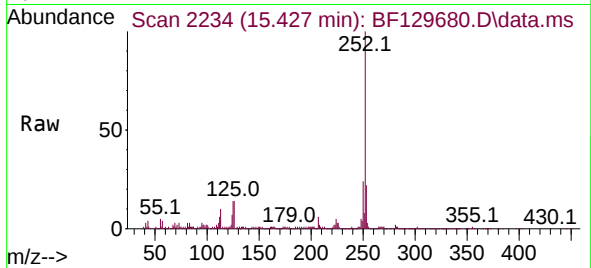
#90
Benzo(a)pyrene
Concen: 8.637 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

Instrument :
BNA_F
ClientSampleId :
RVE-189

Tgt Ion:252 Resp: 131596
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 13.6 8.8 13.2

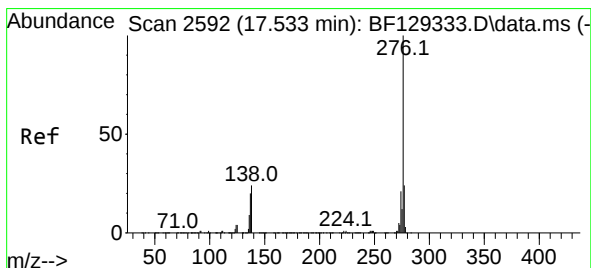
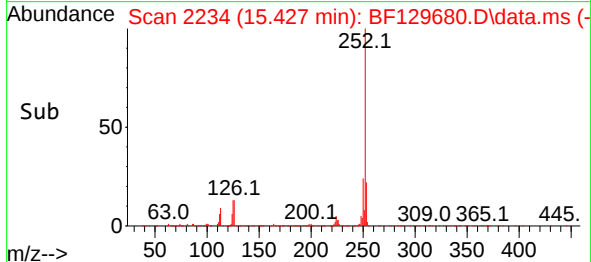
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



08/10/2022
Supervised By :Jagrut
Upadhyay

08/10/2022



#92
Benzo(g,h,i)perylene
Concen: 4.805 ng
RT: 17.421 min Scan# 2573
Delta R.T. -0.029 min
Lab File: BF129680.D
Acq: 09 Aug 2022 22:51

Tgt Ion:276 Resp: 76135
Ion Ratio Lower Upper
276 100
277 26.5 19.1 28.7
138 25.6 18.0 27.0

