

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129611.D
 Acq On : 05 Aug 2022 21:15
 Operator : CG\JU
 Sample : N3960-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-156

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 02:02:10 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	6.846	152	172752	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	679364	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	331480	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	469482	20.000	ng	#-0.01
76) Chrysene-d12	14.016	240	294980	20.000	ng	-0.01
86) Perylene-d12	15.492	264	324110	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	963075	90.815	ng	0.00
7) Phenol-d6	6.493	99	1378872	103.444	ng	-0.01
23) Nitrobenzene-d5	7.410	82	821532	66.012	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	353319	110.865	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1610557	75.161	ng	0.00
79) Terphenyl-d14	12.957	244	1299946	83.140	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.392	178	131484	5.131	ng	98
75) Fluoranthene	12.586	202	187112	7.206	ng	98
78) Pyrene	12.816	202	194087	7.868	ng	98
81) Benzo(a)anthracene	14.004	228	119172	5.914	ng	98
83) Chrysene	14.039	228	121028	6.373	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	118498	5.429	ng	94
88) Benzo(b)fluoranthene	15.057	252	201931m	9.392	ng	
89) Benzo(k)fluoranthene	15.080	252	69291m	3.289	ng	
90) Benzo(a)pyrene	15.427	252	167052	9.572	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120704	6.650	ng	98

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

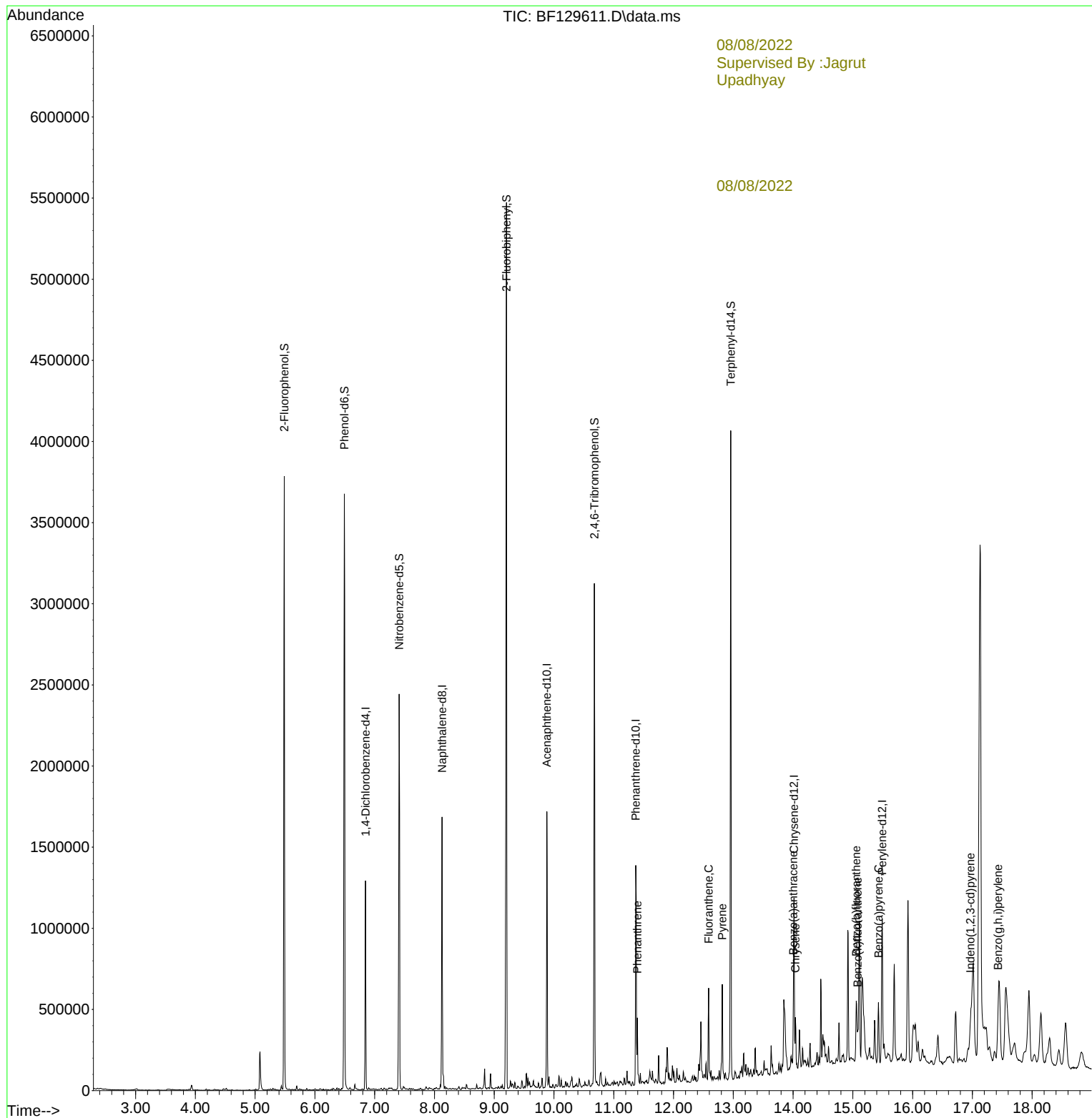
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
Data File : BF129611.D
Acq On : 05 Aug 2022 21:15
Operator : CG\JU
Sample : N3960-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

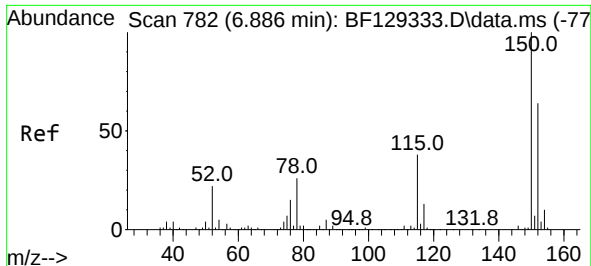
Instrument :
BNA_F
ClientSampleId :
RVE-156

Quant Time: Aug 08 02:02:10 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
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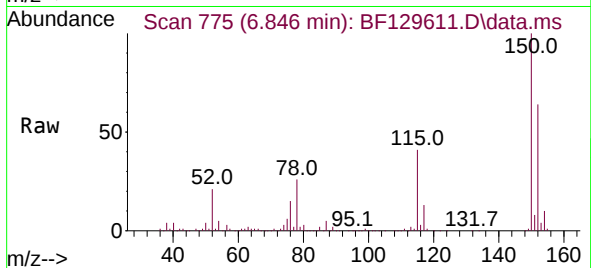
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

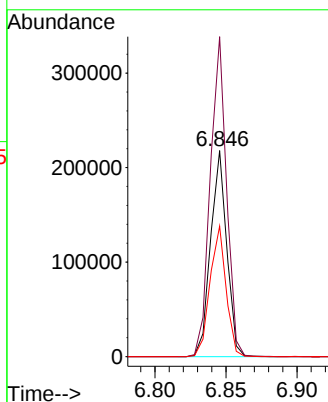
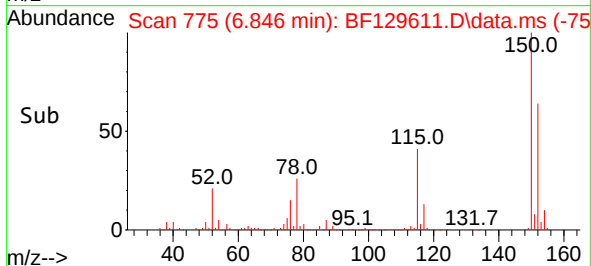
Instrument :
BNA_F
ClientSampleId :
RVE-156



Tgt Ion:152 Resp: 172752
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 63.3 49.9 74.9

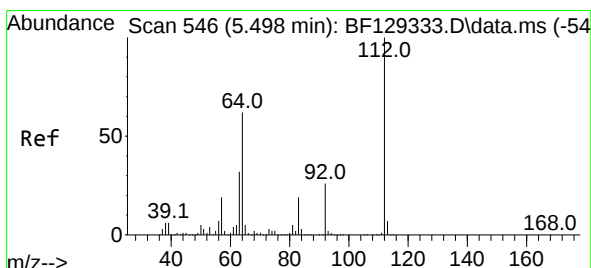
Manual Integrations
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Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



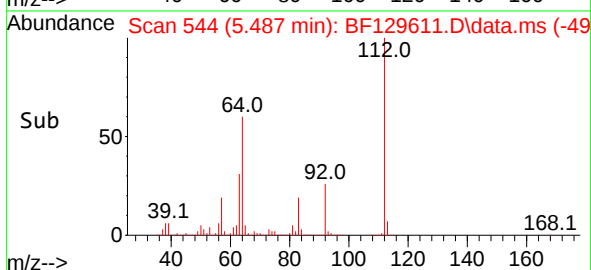
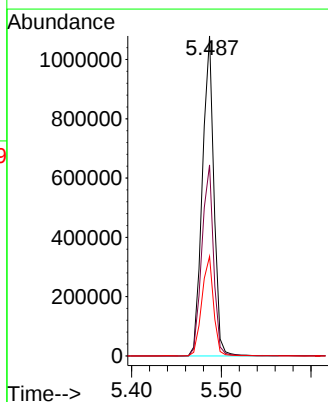
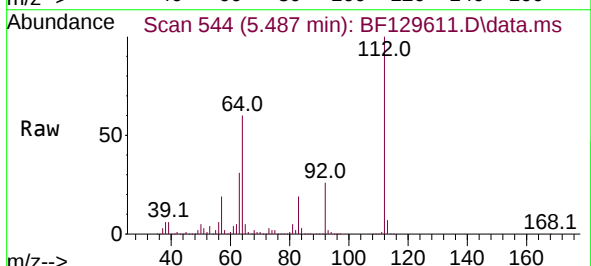
08/08/2022
Supervised By :Jagrut
Upadhyay

08/08/2022



#5
2-Fluorophenol
Concen: 90.815 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

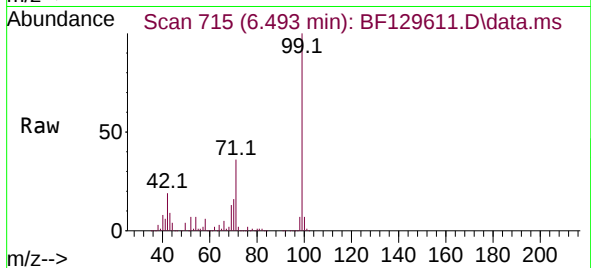
Tgt Ion:112 Resp: 963075
Ion Ratio Lower Upper
112 100
64 59.7 53.3 79.9
63 31.1 28.0 42.0





#7
Phenol-d6
Concen: 103.444 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

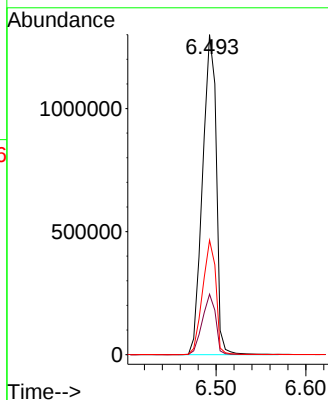
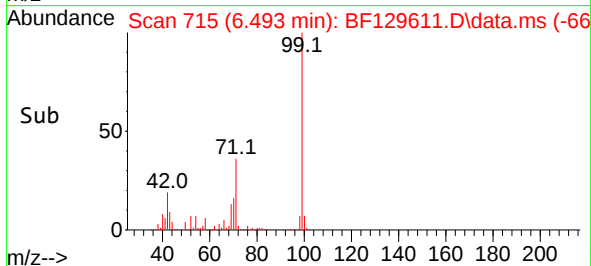
Instrument :
BNA_F
ClientSampleId :
RVE-156



Tgt Ion: 99 Resp: 1378872
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 35.7 28.9 43.3

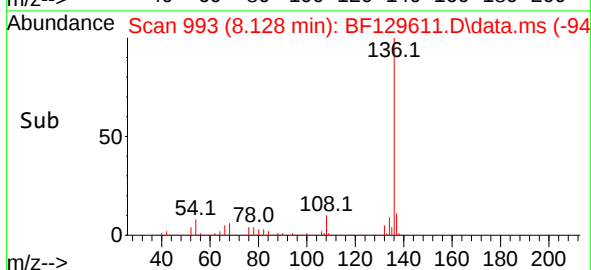
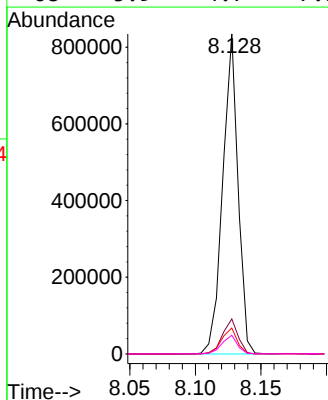
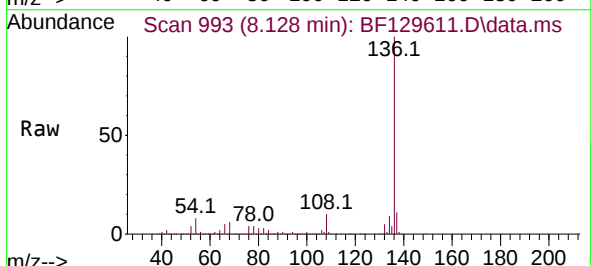
Manual Integrations
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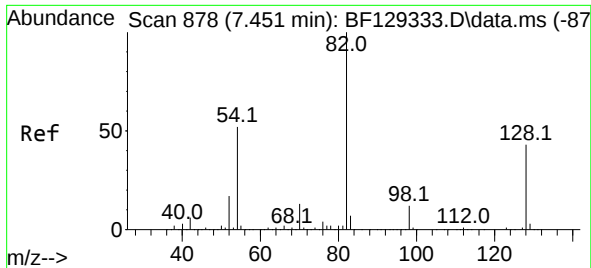
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

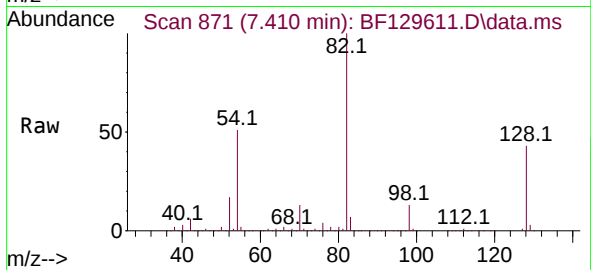
Tgt Ion:136 Resp: 679364
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 66.012 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

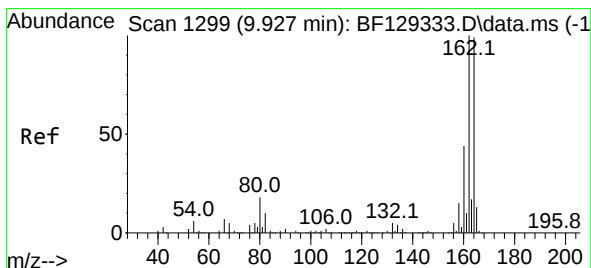
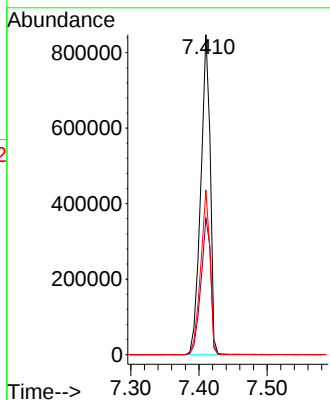
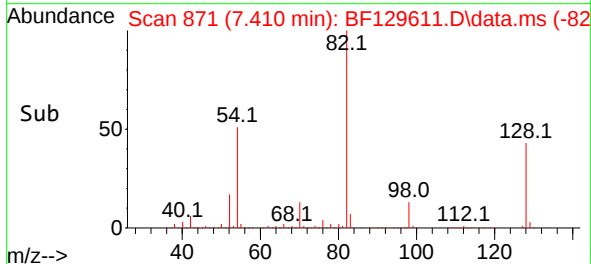
Instrument :
BNA_F
ClientSampleId :
RVE-156



Tgt Ion: 82 Resp: 821532
Ion Ratio Lower Upper
82 100
128 42.6 34.0 51.0
54 51.4 46.9 70.3

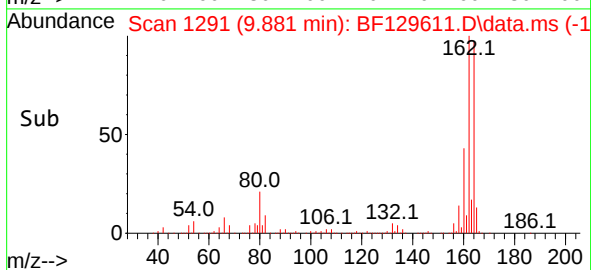
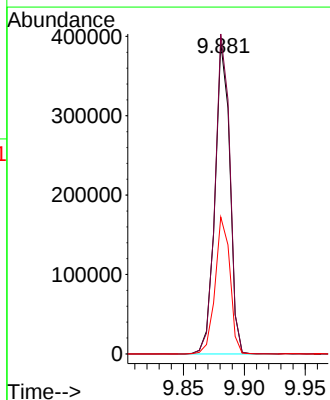
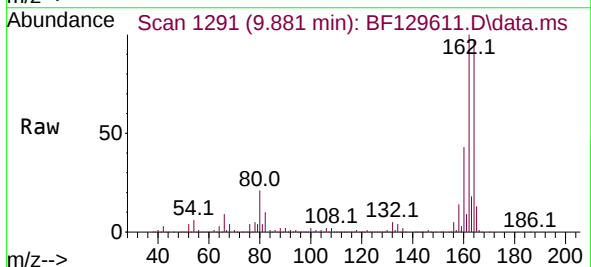
Manual Integrations
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Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:164 Resp: 331480
Ion Ratio Lower Upper
164 100
162 102.7 79.5 119.3
160 43.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 110.865 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Instrument :

BNA_F

ClientSampleId :

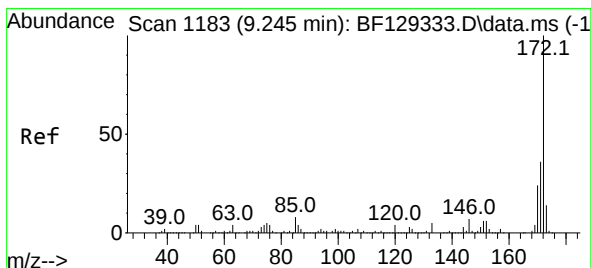
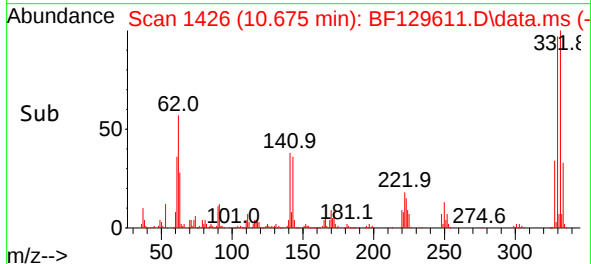
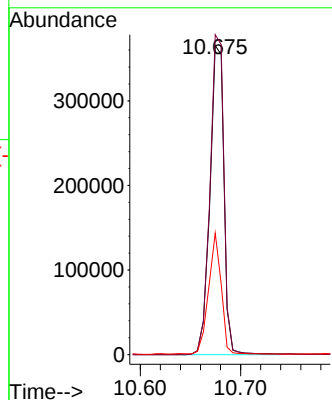
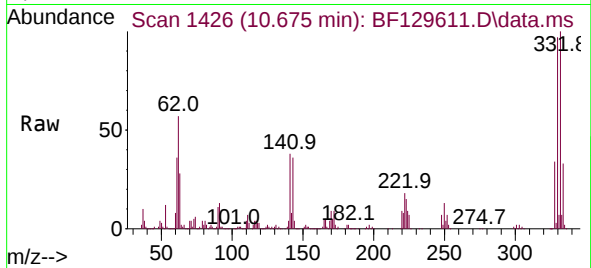
RVE-156

Tgt Ion:330 Resp: 353319
Ion Ratio Lower Upper
330 100
332 103.6 76.8 115.2
141 35.6 28.0 42.0

Manual Integrations

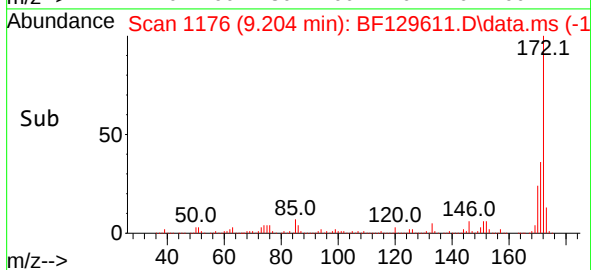
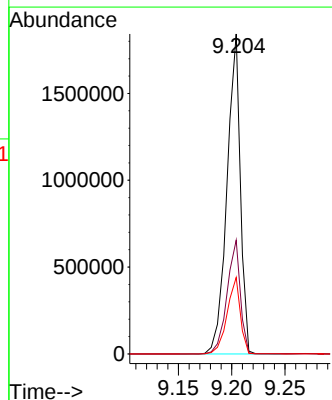
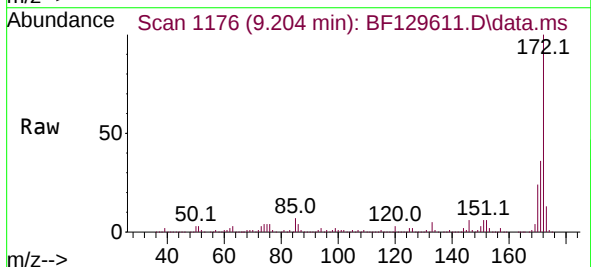
APPROVED

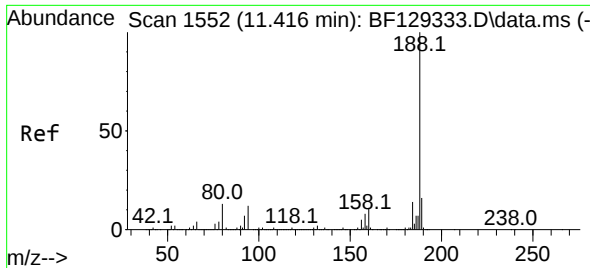
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#45
2-Fluorobiphenyl
Concen: 75.161 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:172 Resp: 1610557
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.9 19.8 29.8





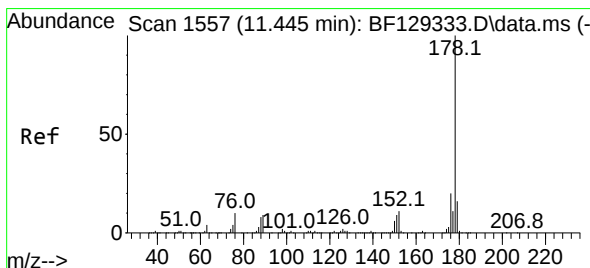
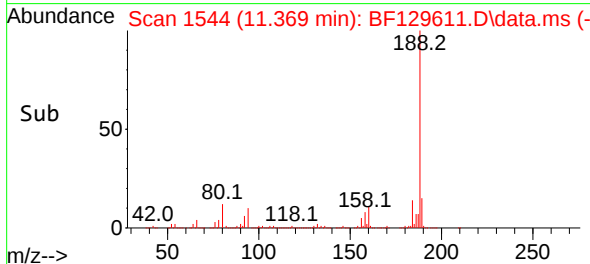
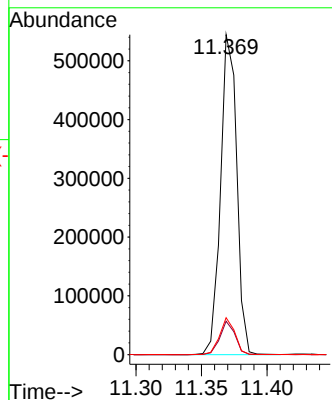
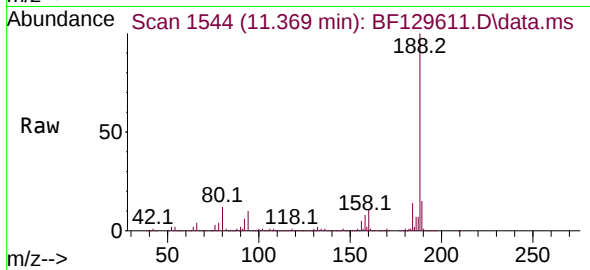
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Instrument :
BNA_F
ClientSampleId :
RVE-156

Tgt Ion:188 Resp: 469482
Ion Ratio Lower Upper
188 100
94 10.4 7.0 10.6
80 11.5 7.6 11.4

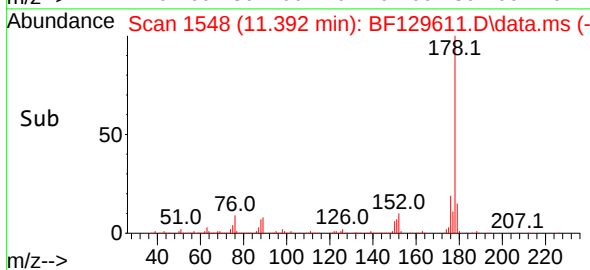
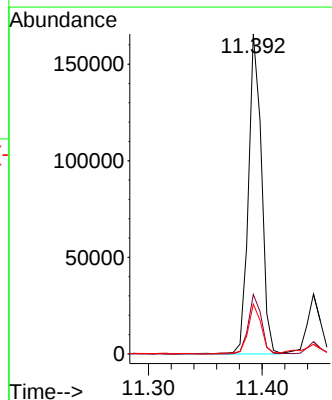
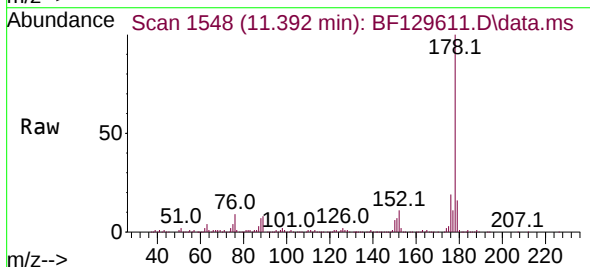
Manual Integrations
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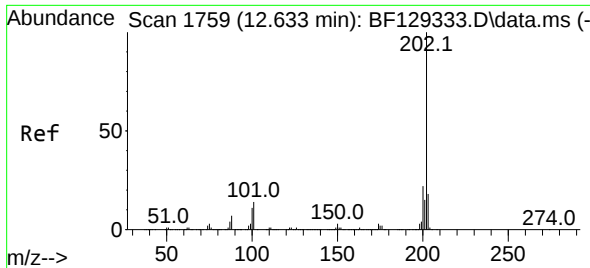
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#71
Phenanthrene
Concen: 5.131 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.018 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

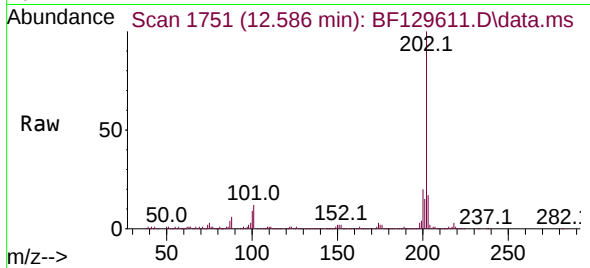
Tgt Ion:178 Resp: 131484
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.6 12.6 19.0





#75
Fluoranthene
Concen: 7.206 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

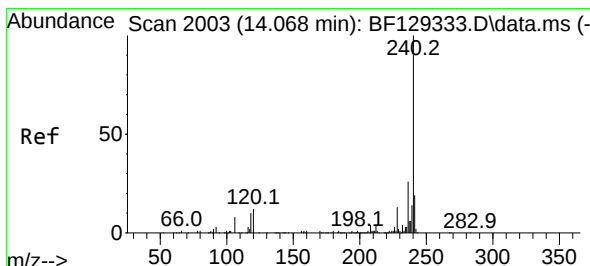
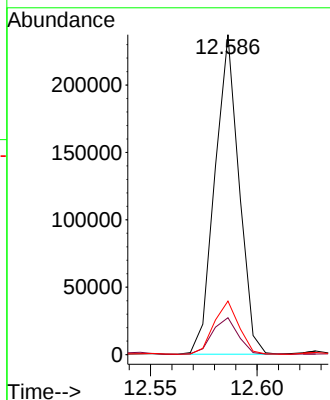
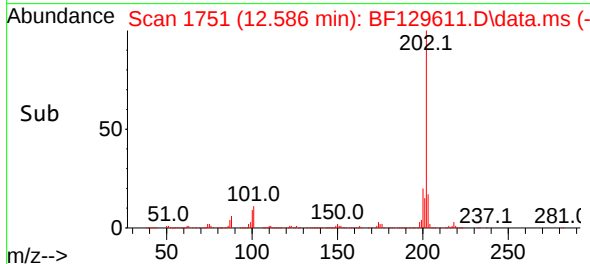
Instrument :
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ClientSampleId :
RVE-156



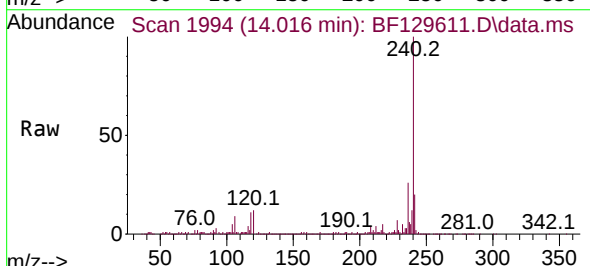
Tgt Ion:202 Resp: 187112
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 16.7 0.0 38.0

Manual Integrations
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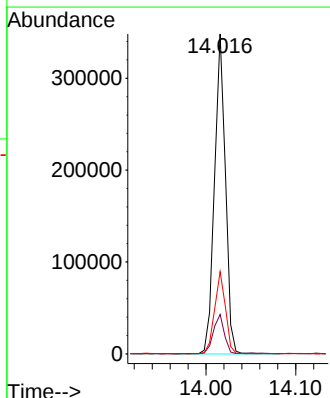
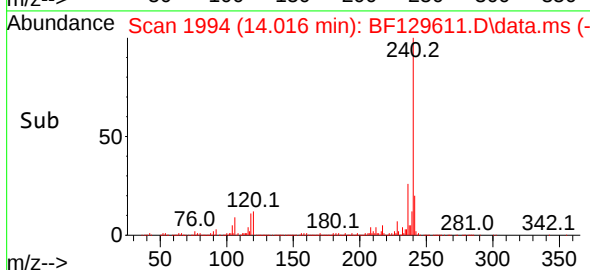
Reviewed By :Christian Giraldo 08/08/2022
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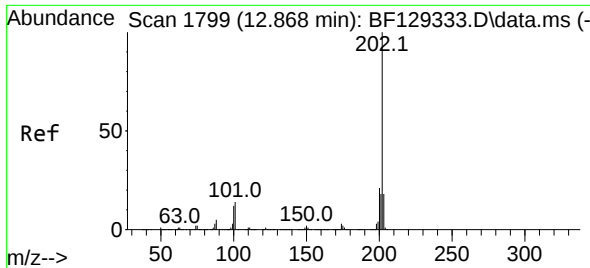


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15



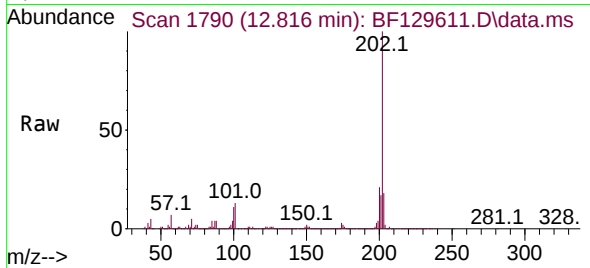
Tgt Ion:240 Resp: 294980
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 25.7 20.8 31.2





#78
Pyrene
Concen: 7.868 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

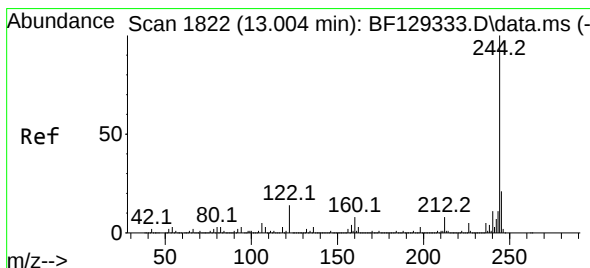
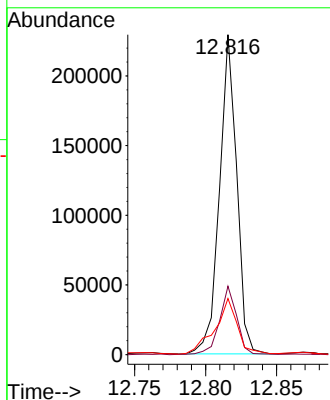
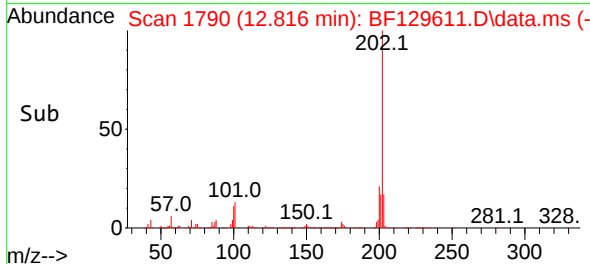
Instrument :
BNA_F
ClientSampleId :
RVE-156



Tgt Ion:202 Resp: 19408
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 17.5 14.6 21.8

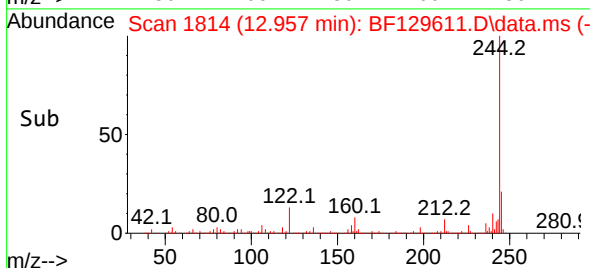
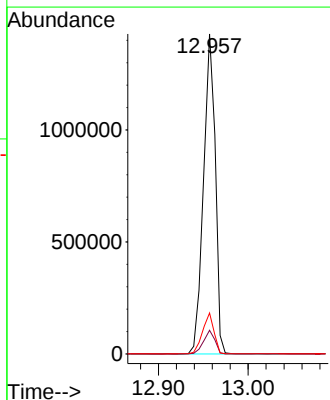
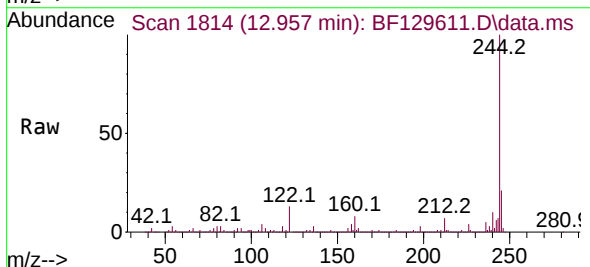
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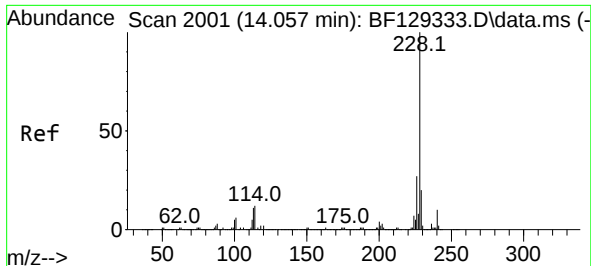
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#79
Terphenyl-d14
Concen: 83.140 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

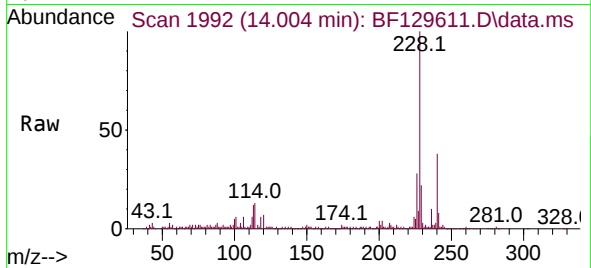
Tgt Ion:244 Resp: 1299946
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 12.8 8.8 13.2





#81
Benzo(a)anthracene
Concen: 5.914 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

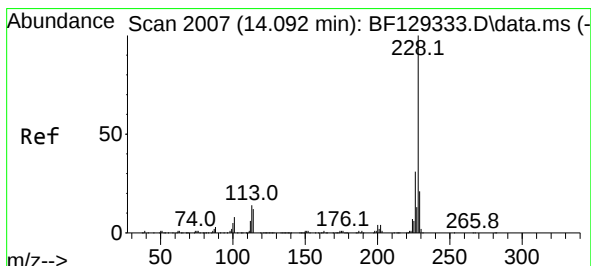
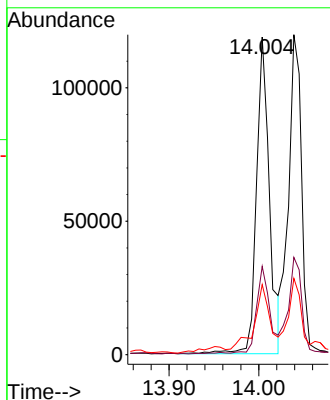
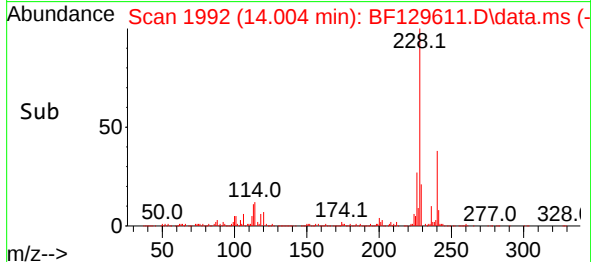
Instrument :
BNA_F
ClientSampleId :
RVE-156



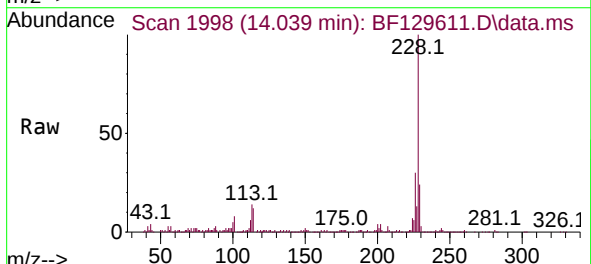
Tgt Ion:228 Resp: 119172
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 22.0 15.8 23.8

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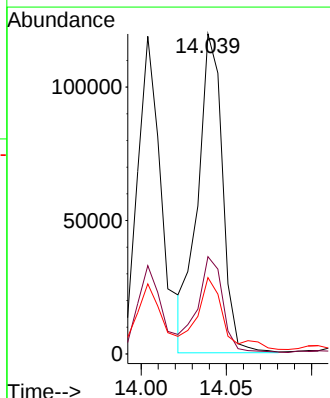
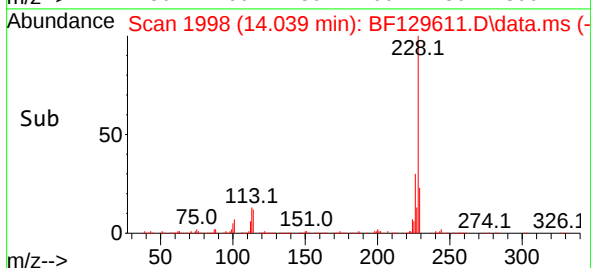
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

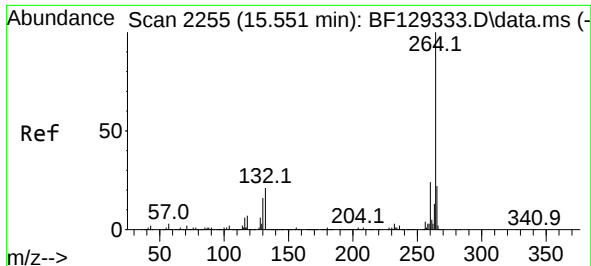


#83
Chrysene
Concen: 6.373 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15



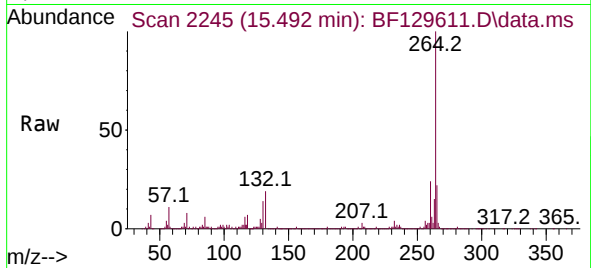
Tgt Ion:228 Resp: 121028
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 23.8 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

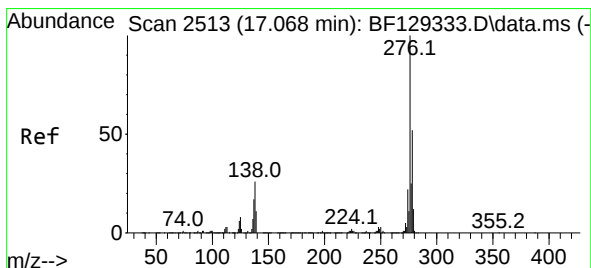
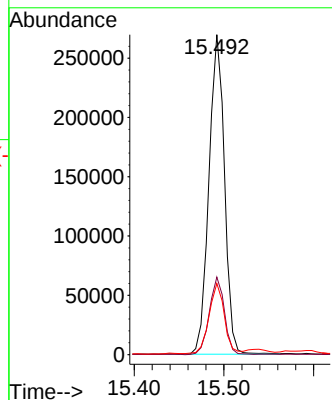
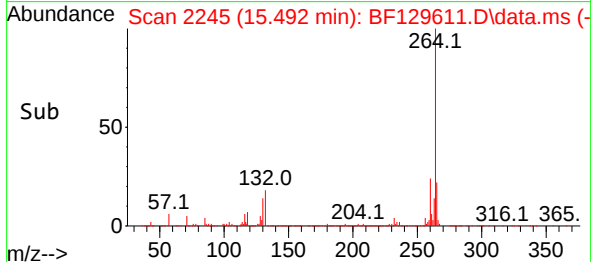
Instrument :
BNA_F
ClientSampleId :
RVE-156



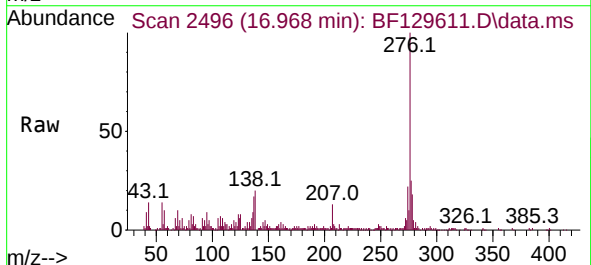
Tgt Ion:264 Resp: 324110
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 22.2 17.2 25.8

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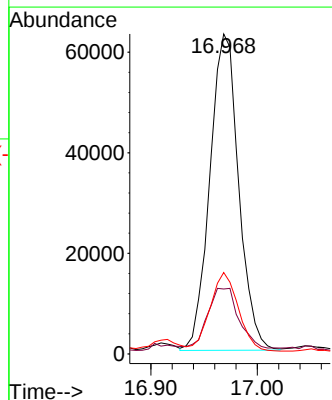
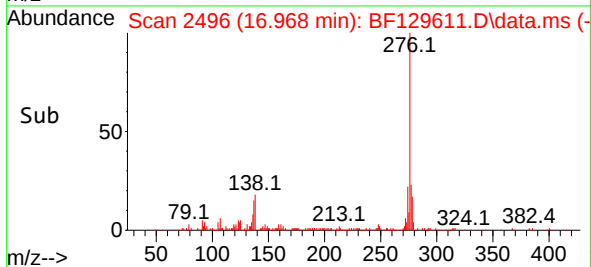
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

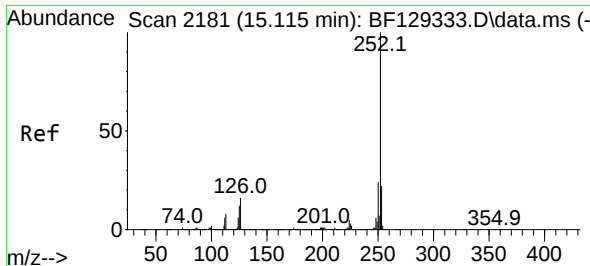


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.429 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15



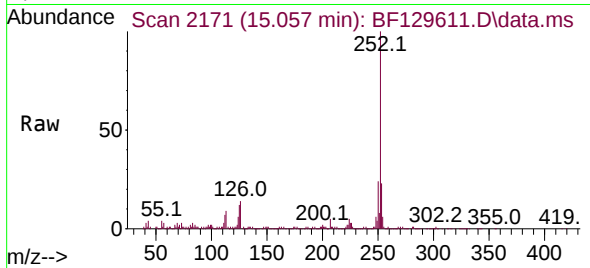
Tgt Ion:276 Resp: 118498
Ion Ratio Lower Upper
276 100
138 21.3 21.1 31.7
277 24.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 9.392 ng m
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

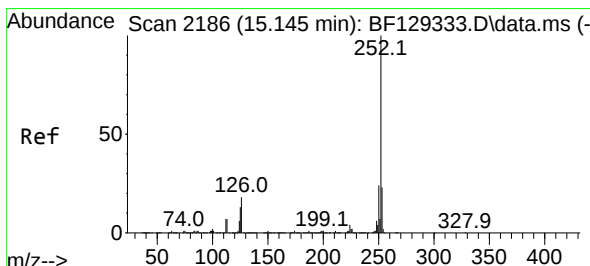
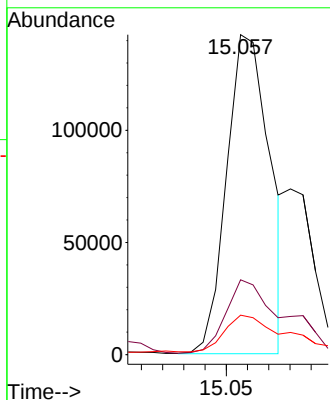
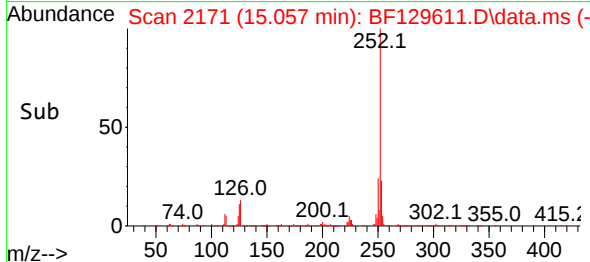
Instrument :
BNA_F
ClientSampleId :
RVE-156



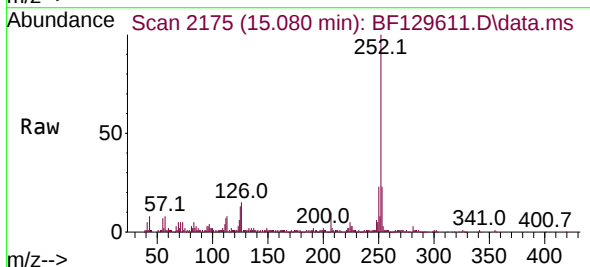
Tgt Ion:252 Resp: 201931
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 12.3 8.0 12.0

Manual Integrations
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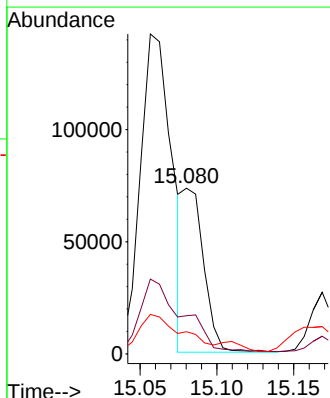
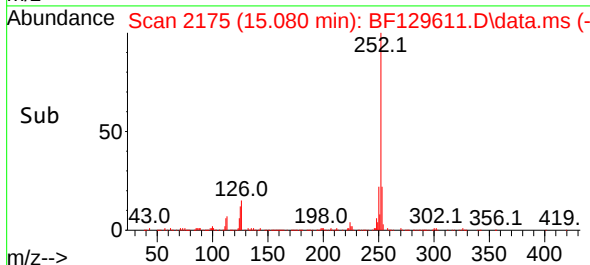
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

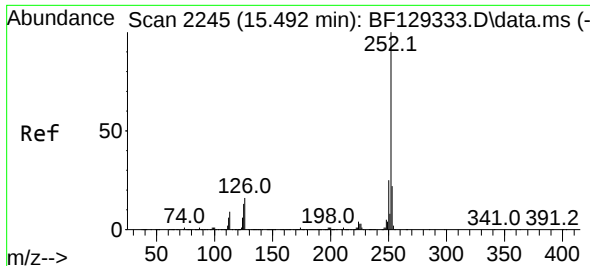


#89
Benzo(k)fluoranthene
Concen: 3.289 ng m
RT: 15.080 min Scan# 2175
Delta R.T. -0.023 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15



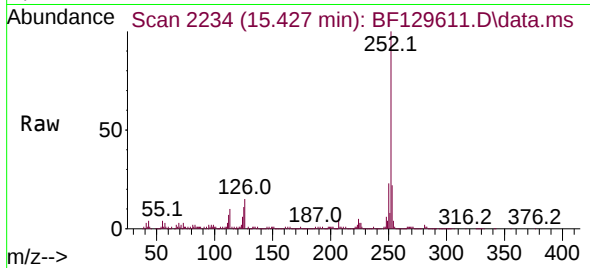
Tgt Ion:252 Resp: 69291
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 13.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 9.572 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

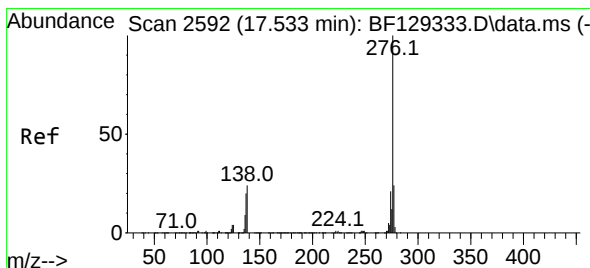
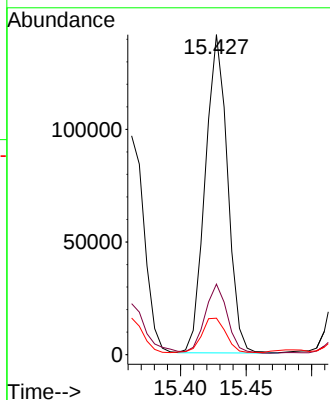
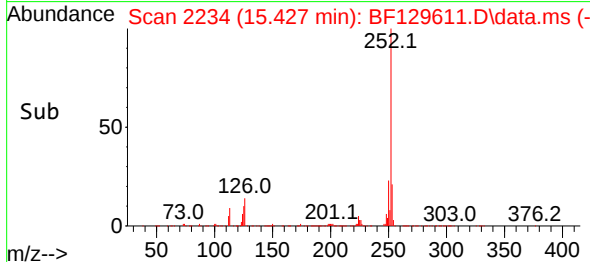
Instrument :
BNA_F
ClientSampleId :
RVE-156



Tgt Ion:252 Resp: 167052
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 11.4 8.8 13.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 6.650 ng
RT: 17.427 min Scan# 2574
Delta R.T. -0.023 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:276 Resp: 120704
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 24.4 18.0 27.0

